HyNet North West Hydrogen Pipeline

Delivering clean growth

Cadent

Your Gas Network

Appendix 11B

Preliminary Public Rights of Way Management Plan

September 2022

Revision 1
Volume 0001
Document ref. 0001

Contents

1. Introduction 4

1.1 Overview 4
1.2 Overview of the Project 4
1.3 Public Rights of Way 5
1.4 Permissive Paths 6
1.5 Other Routes with Public Access Routes (ORPA) 7
1.6 Open Access Land (OAL) 7
1.1 Structure of the PRoW Management Plan 7

2. Potential Effects of the Project 8

2.2 The Project 9
2.3 Additional Construction Phase Details 9
2.4 Operational and Maintenance Phase 10
2.5 Decommissioning Phase 10
2.6 Study Area 11
2.7 Public Rights of Way affected by the Project 11
2.8 Other Routes with Public Access affected by the Project 31
2.9 Open Access Land affected by the Project 32

3. Environmental Measures 33

3.1 Introduction 33
3.2 PRoW Temporary Effects Environmental Measures Proposals 33
Introduction 33
Overarching mitigation 34
3.3 Proposed Management Measures 34
PRoWs crossed by the pipeline corridor 34
PRoWs following temporary construction access tracks (shared routes) 35
PRoW crossing temporary construction access tracks 36
Small section of PRoW within the Preliminary Order Limits 36
PRoW routed through trenchless crossing areas or materials storage areas. 37
3.4 ORPA temporary effects environmental measures proposals 37
3.5 Overarching environmental measures proposals 37
Inspection and Maintenance 37
Signage management 38
3.6 Areas of OAL Environmental Measures 39

4. Summary and Conclusions 41

Table 2.1 PRoW affected by the Project – West Corridor 13
Table 2.2 PRoW affected by the Project – North Corridor 19
Table 2.3 PRoWs affected by the Project – East Corridor 23
Table 2.4 PRoW affected by the Project – South Corridor 26
Table 2.5 ORPA Affected by the Project 31
Table 2.6 OAL affected by Preliminary Order Limits of the Project 32

1. Introduction

1.1 Overview

1.1.1 This Preliminary Public Rights of Way Management Plan (PRoWMP) has been appended to **Chapter 11: Traffic and Transport** of the Preliminary Environmental Information Report (PEIR) for the HyNet North West Hydrogen Pipeline Project (the Project). The PRoWMP should be read in conjunction with the Project description provided in **Chapter 2: The Project.**

1.1.2 This Preliminary PRoWMP is a live document and will be updated as the elements of the Project are further defined through the ongoing design process and following feedback from Section 42 Statutory Consultation. Further consultation will be undertaken with Cheshire West and Chester Council (CWCC), Cheshire East Council (CEC), Trafford Council (TC), Halton Borough Council (HBC), Warrington Borough Council (WBC) and St Helens Borough Council (SHBC) to develop an agreed Management and Mitigation Strategy for construction traffic and PRoWs affected by the Project. This will be submitted as part of the Development Consent Order application within an agreed PRoWMP.

1.1.3 This report details the environmental measures which would be implemented in relation to Public Rights of Way (PRoW), permissive paths, Other Routes with Public Access (ORPA) and Open Access Land (OAL) which are affected by the construction phase of the Project.

1.1.4 Whilst it is an offence to obstruct a highway (including a PRoW), it is intended that the DCO will provide powers to temporarily stop up or divert PRoWs for the purpose of the construction of the Project and may also provide for permanent diversion if this is required. This Preliminary PRoWMP sets out the locations of all PRoW that could be affected by the Project and details the type of environmental measures that could be proposed to overcome any issues arising during the construction and operational phase.

1.2 Overview of the Project

1.2.1 The UK Government has set legally binding net-zero carbon dioxide (CO_2) emissions targets in response to the global climate emergency. This means that by 2050, any CO_2 emissions to the atmosphere must be offset by equivalent emissions removal.

1.2.2 The Preliminary Environmental Information Report that this PRoWMP is prepared to support is for the HyNet North West Hydrogen Pipeline Project ('the Project'). This is an integral part of the wider HyNet North West programme scheme and the associated removal of emissions described in **Chapter 1: Introduction, Section 1.2**.

1.2.3 The HyNet North West scheme is being developed in stages, as is necessary and appropriate for the commercial deployment of hydrogen technology. The Project

comprises one of the elements of the wider HyNet North West scheme. The elements of the wider scheme include:

- Production of hydrogen by Vertex Hydrogen at the Hydrogen Production Plant (located at Essar Stanlow Refinery);
- Development of Carbon Capture and Storage (CCS) infrastructure for capture, transport and storage of carbon dioxide from the Hydrogen Production Plant (as well as existing and new build industrial facilities) by Liverpool Bay CCS Ltd;
- Development of a Hydrogen Storage Facility (HSF) by Inovyn at underground storage caverns in Cheshire to allow for fluctuations in demand.

1.2.4 The Project is of a scale and location in proportion and proximity to the above other elements. The aim is to commission the Project for operation in 2027.

1.2.5 The Project is being designed with foreseeable future phases and usage in mind and the potential to accommodate hydrogen from other sources in the area including sources of blue and green hydrogen.

1.2.6 The key objective of the Project is as follows:

"*The HyNet North West Hydrogen Pipeline project will transport low carbon hydrogen from the Vertex HydrogenStanlow production site at Stanlow or the Inovyn storage site to identified industrial customersusers and will to provide the opportunity to introduce or convey blending blend hydrogen into the existing gas network points at Partington and Warburton (the "UsersCustomers"). The aim is for the Project to be commissioned in 2027, but it will also be designed with foreseeable future phases, demand and need in mind. In this way, it will support some of the North West's biggest businesses and employers for years to come, helping the region lead the way in the transition to Net Zero Carbon by 2050.*".

1.2.7 This Project has the potential to reduce carbon dioxide emissions by 10 million tonnes every year by 2030 – the equivalent of taking four million cars off the road. By achieving this, HyNet North West will create and maintain thousands of local jobs, enabling long-term sustainability for businesses and supporting financial security for communities across the region.

1.2.8 The Project includes the construction, operation and maintenance of up to 125km of new pipeline to distribute hydrogen to industry and for blending with the gas network in the North West, and a number of Hydrogen Above Ground Installations (HAGIs) (including Block Valves described in **Chapter 2: The Project**) required to control the flow and pressure of hydrogen at key points along the proposed pipeline.

1.3 Public Rights of Way

1.3.1 In England and Wales, members of the public have a right to access some land for walking or certain leisure activities. Users can:

- use PRoW, for example, roads (restricted byways), paths or tracks that run through towns, the countryside or private property; and

- use right to roam to access OAL including mountains, moors and common land that is registered.

1.3.2 There are four distinct types of PRoWs:

- footpaths – for walking or running;
- bridleways – for walking, running, cycling and horse riding;
- restricted byways – for any transport that does not have a motor; and
- byways open to all traffic – for any kind of transport, including cars (but these are mainly used by walkers, runners, cyclists and horse riders).

1.3.3 In the countryside, PRoWs are usually marked with signs or coloured arrows, for example, yellow for footpaths and blue for bridleways. Strategic National Trails are usually marked with route specific signage.

1.3.4 PRoWs are recorded on the Definitive Map and Statement, which are collated by the local Council as surveying authority. Definitive maps and statements are documentary records of public rights of way depending on the category of PRoW. They indicate where the public may lawfully walk, ride or drive. Section 56 of the Wildlife and Countryside Act 1981 makes it explicit that the definitive map and statement, taken together, are legally conclusive evidence of the existence of the highways of the description shown and of the rights and limitations existing over those highways at the relevant date, unless there is a subsequently confirmed legal order amending those rights.

1.3.5 All surveying authorities must maintain a Definitive Map and Statement of PRoW within their administrative boundaries, which includes historic routes and any changes to PRoW orders and routes that may have occurred since 1981. Many local authorities also present this information online, but this does not always reflect recent changes.

1.3.6 PRoW are also detailed on Ordnance Survey (OS) mapping, however this mapping may not correspond to information contained within the Definitive Map and Statement. Hence, this should always be referred to confirm whether a PRoW exists and its classification.

1.3.7 At this stage, a large number of PRoWs have been identified as being affected by the Project.

1.4 Permissive Paths

1.4.1 A permissive path, permitted path, or concessionary path is not a PRoW but a path (which could be for walkers, riders, cyclists, or any combination) whose use is allowed by the landowner, but over which there is no legal right of access.

1.4.2 If any permissive paths that may interact with the Project are identified through consultation, agreement will be sought with the respective landowners on their management so to accommodate project activities.

1.4.3 At the PEIR stage, no permissive paths have been identified as being affected by the Project. Further consultation with the relevant local authorities will be

undertaken in the post Section 42 consultation phase to understand if there are any routes that should be considered in the DCO submission.

1.5 Other Routes with Public Access Routes (ORPA)

1.5.1 These are other routes with public access, which are included on OS maps. These routes are roads/tracks that carry public rights of some sort, but which are not recorded either as PRoW, nor coloured as most public roads are, in red, brown, orange or yellow on OS mapping. It is not possible to tell if these have rights other than a PRoW on foot.

1.5.2 A review of the local area has indicated there are several ORPAs within the Preliminary Order Limits.

1.6 Open Access Land (OAL)

1.6.1 The Countryside and Rights of Way Act 2000 (CROW Act)[1] normally gives a public right of access to land mapped as 'open country' (mountain, moor, heath and down) or registered common land. These areas are known as 'open access land' (OAL).

1.6.2 OAL may be publicly or privately owned. A review of the Preliminary Order Limits indicates that there are three areas of OAL that are affected by the Project.

1.1 Structure of the PRoW Management Plan

1.6.3 The remainder of this Preliminary PRoWMP is set out as follows:

- **Section 2: Potential effects of the Project** – identifies all PRoWs and open access land that are affected by the Project, taking into account the PEIR optionality, and sets out the nature of the interaction;
- **Section 3: Environmental measures** – details the overarching environmental measures and initial proposals for affected PRoWs and OAL; and
- **Section 4: Summary and conclusions** – summarises the environmental measures and provides a narrative of the next steps following Section 42 statutory consultation up to submission of the DCO application.

[1] UK Government (2000). The Countryside and Rights of Way Acy=t 2000. (online) Available at: https://www.legislation.gov.uk/ukpga/2000/37/contents (Accessed August 2022)

2. Potential Effects of the Project

2.1.1 In order to ascertain the extent of the potential effects of the Project on the PRoW network, OAL and ORPA, several key sources of data have been used to inform the PEIR:

- GIS version of the Definitive Map provided by CWCC[2], CEC[3], WBC[4] and SHBC[5] ;
- PDF of PRoWs in the HBC area hosted on the HBC website[6];
- A KLM dataset for the Trafford Council Area[7]; and
- Ordnance Survey 1:25,000 online mapping at Microsoft Bing.com setting out areas of OAL, permissive paths and ORPAs.[8]

2.1.2 In terms of potential effects, this Preliminary PRoWMP presents all effects anticipated as a result of the Project, be that during the construction or operational phase including PRoWs, permissive paths, ORPAs and OAL which are:

- Crossed by the proposed underground pipeline routes;
- Affected by the construction of any permanent elements of the Project;
- Affected by the siting of temporary material storage areas and construction compounds;
- Affected by the routing of temporary construction access haul roads and access tracks; and
- Affected by the provision of temporary construction accesses and related visibility splays;
- Overlapped by any other elements of the Preliminary Order Limits of the Project.

---

[2] Cheshire West and Chester Council (2022). Public Map Viewer (online). Available at: https://maps.cheshirewestandchester.gov.uk/cwac/webmapping (Accessed August 2022).
[3] Cheshire East Council (2022). Public Map Viewer (online). Available at: https://maps.cheshireeast.gov.uk/ce/webmapping (Accessed August 2022).
[4] Warrington Council (2022). Online mapping (online) Available at: https://mapping.warrington.gov.uk/wml/Map.aspx?MapName=Planning_and_LLC_External (Accessed August 2022).
[5] St Helens Borough Council (2022). My Council (online) Available at: https://maps.sthelens.gov.uk/mycouncil.aspx (Accessed August 2022).
[6] Halton Borough Council (2022). Public Rights of Way (online) Available at: https://www3.halton.gov.uk/Pages/traffic/PublicRightsofWay.aspx (Accessed August 2022).
[7] Cornelius, B (2022). Dataset containing the public rights of way of Trafford (online). Available at: https://www.rowmaps.com/datasets/TR/ (Accessed August 2022).
[8] Microsoft (2022). Bing Maps. (online) Available at: https://www.bing.com/maps/ (Accessed August 2022).

2.2 The Project

2.2.1 **Figure 2.1** provides an overview of the Project, including the Preliminary Order Limits.

2.2.2 The Project would connect to the Hydrogen Production Plant at the Essar Stanlow site as the source of hydrogen for onward distribution to the network. The pipeline would continue along the West Corridor to the Central Hub at the centre of the network, which serves as the connection and onward distribution point to the North, East and South Corridors, which would extend to locations near St Helens, Partington and Middlewich respectively.

2.2.3 The proposed components of the Project are as follows:

- Hydrogen Pipeline Network (HPN) across the North West region:
  - West Corridor: Stanlow Hydrogen Production Plant (HPP) to Central Hub HAGI, incorporating Rocksavage HAGI (two routeing options currently under consideration around the Hover Force Outdoor Activity Centre, and two options south-east of the Rocksavage HAGI); spurs to customers at Intergen, Rocksavage; and The Heath Industrial and Business Park via Runcorn HAGI (two routeing options currently under consideration).
  - North Corridor: Central Hub HAGI to St Helens HAGI, incorporating HAGIs at Higher Walton and Clock Face; spurs to customers at Solvay, Warrington and Ingevity, Warrington (shared single connection); Novelis, Warrington; NGF Europe Ltd., Clock Face; NSG Pilkington Greengate Works, St Helens; and Glass Futures, St Helens.
  - East Corridor: Central Hub HAGI to Partington HAGI, incorporating a HAGI at Warburton and Block Valve near Sworton Heath (three options currently under consideration); spurs to Cadent AGI, Warbuton; and customers at SAICA, Partington; Partington Cadent AGI; Basell Polyolefins, Partington; and Carrington Power Station, Carrington.
  - South Corridor: Central Hub HAGI to Hydrogen Storage Facility at salt caverns located north of Middlewich (four routeing options currently under consideration), incorporating a Block Valve (five options currently under consideration); spur to Tata Chemicals, Winnington.

2.2.4 During the construction phase, the Project would be supported with temporary construction compounds, accesses and on-site haul roads. The Project would have a direct effect on local roads through crossings of the highway network and the conveyance of construction traffic on the highway network, resulting in the need for a Construction Traffic Management Plan (CTMP).

2.3 Additional Construction Phase Details

2.3.1 To provide the detail for estimating and modelling construction traffic, a proposed preliminary programme over a three-year period is assumed. There would be phasing of different elements of construction within the programme and effects on

specific PRoWs and ORPA would only occur in some phases rather than the duration of the programme.

2.3.2 Standard construction working hours would be 10 hours per day (08:00 to 18:00) from Monday to Saturday, with no works on Sundays or Bank Holidays. There may be the need for some extended working hours for certain activities but this would be subject to agreement with the relevant local planning authority.

2.3.3 There would be the need for continuous (24-hour) working for some activities including the following:

- Tunnelling and Horizontal Directional Drilling.
- Pipe pulling at trenchless crossings.
- Pipeline testing.

1.1.1 A number of works would be expected to occur in parallel, however, the exact phasing of the works has yet to be determined. Further details of the likely construction programme and phasing will be developed in advance of the DCO submission for assessment in the Environmental Statement (ES).

1.1.2 Twenty-four hour working would be implemented at times during the construction works for some highways works to allow temporary closures to minimise daytime closures of PRoW, permissive paths and ORPAs.

1.1.3 Construction is expected to commence in late 2024 with commissioning in 2027. The Project would be fully operational by late 2027 or early 2028.

1.1.4 Pipelines are constructed within the pipeline “spread” or temporary working width which is a corridor of land extending along the route. Pipe laying can be likened to a production line with successive activities moving along the spread. Activities include site preparation, pipeline stringing, welding, inspection, laying and testing. Once complete, reinstatement would be undertaken across the temporary working width.

1.1.5 During the construction phase, there would be several phases of works and some of these would have effects on differing elements of the PRoW Network at differing times. It is estimated that the peak of construction works would occur in 2025/2026 as set out in **Chapter 11: Traffic and Transport** of the PEIR.

2.4 Operational and Maintenance Phase

2.4.1 Following completion of the construction phase, none of the above ground elements (HAGIs) would result in further permanent effects on PRoWs and ORPA.

2.5 Decommissioning Phase

2.5.1 The design life of the pipeline and HAGIs is assumed to be approximately 40 years but it is anticipated that the actual life of the pipeline could extend well over 40 years depending on its condition, as over time parts are likely to be refurbished or replaced through maintenance activities. A Decommissioning Plan would be developed prior to construction and updated during operation of the Project to

account for any changes to decommissioning best-practice and developments in technology.

2.6 Study Area

2.6.1 The Study Area includes all PRoW, Permissive Paths, ORPAs and OAL that are within Preliminary Order Limits (see **Figure 2.1**). Other than those that are directly crossed by the pipeline and spurs, PRoW, permissive paths, ORPAs and OAL could be affected by other elements as follows:

- Temporary construction access haul roads from the local highways network;
- Temporary construction access haul roads along the underground pipeline corridor;
- Existing farm/private tracks also designated as PRoW, which would be used for temporary construction access (shared routes);
- Material storage areas;
- Construction compounds;
- Trenchless technology working areas; and
- HAGI locations.

2.7 Public Rights of Way affected by the Project

2.7.1 The Preliminary Order Limits (see **Figure 2.1**) have been reviewed and compared to the online Definitive Maps and where appropriate Bing Maps Ordinance Survey 1:25,000 map layer with. The following information has been obtained for each PRoW falling within the Preliminary Order Limits (see **Table 2.1**):

- HyNet Project ID Number;
- PRoW identification number from the online Definitive PRoW Maps;
- Local Authority Area;
- Type of PRoW;
- The type of impact on the PRoW from the Project;
- The nature of the PRoW at the location of effect; and
- The duration of impact (temporary or permanent) on the PRoW.

2.7.2 A review of the PRoW impacted by the Project has been undertaken for the four Corridors in the following order;

- West (**Table 2.1**);
- North (**Table 2.2**);
- East (**Table 2.3**); and
- South (**Table 2.4**).

2.7.3 The tables include all PRoW within the Preliminary Order Limits affected by the Project and the options currently under consideration.

2.7.4 Some of the PRoW affected by the Project are regional walking trails. The trails affected are below and these are included in the following tables:

- The North Cheshire Way;
- Delamere Way;
- Cheshire Ring Canal Walk;
- Mersey Valley Trail; and
- Trans Pennine Trail.

2.7.5 The review of the West Corridor identified that there are 43 PRoWs located within the Preliminary Order Limits set out in **Figure 2.2**, comprising 19 footpaths, 4 bridleways and 20 Restricted Byways.

Table 2.1 PRoW affected by the Project – West Corridor

ID	PRoW No	Local Authority Area	Type of PRoW	PRoW interaction with Project	Nature of PRoW at Location (Layout/Surface)	Duration of Effect (Temporary/ Permanent)
W1	Elton FP5	CWCC	Footpath	Crossed by pipeline	Footpath through fields	Temporary
W2	Elton FP3	CWCC	Footpath	Crossed by pipeline	Footpath through fields	Temporary
W3	334/RB40/1	CWCC	Restricted Byway	Crossed and follows access route to pipeline	Existing track	Temporary
W4	Helsby FP8	CWCC	Footpath	Crossed by pipeline (Twice)	Footpath along existing farm track	Temporary
W5	Helsby FP9	CWCC	Footpath	Short section of PRoW in Preliminary Order Limits	Footpath through fields	Temporary
W6	152/RB23/1	CWCC	Restricted Byway	Follows access track to pipeline	Existing track	Temporary
W7	152/RB23/3	CWCC	Restricted Byway	Runs along edge of Preliminary Order Limits	Existing track	Temporary
W8	152/RB23/2	CWCC	Restricted Byway	Crossed by pipeline	Existing track	Temporary

ID	PRoW No	Local Authority Area	Type of PRoW	PRoW interaction with Project	Nature of PRoW at Location (Layout/Surface)	Duration of Effect (Temporary/ Permanent)
W9	152/RB5/1	CWCC	Restricted Byway	Crossed by pipeline Follows access track to pipeline	Existing track	Temporary
W10	127/RB107/1	CWCC	Restricted Byway	Follows access track to pipeline	Existing track	Temporary
W11	127/RB106/2	CWCC	Restricted Byway	Follows access track to pipeline	Existing track	Temporary
W12	127/RB106/1	CWCC	Restricted Byway	Follows access track to pipeline	Existing track	Temporary
W13	127/RB87/4	CWCC	Restricted Byway	Follows access track to pipeline	Existing track	Temporary
W14	Helsby FP3	CWCC	Footpath	Crossed by pipeline Follows access track to pipeline	Footpath through fields and on the side of road	Temporary
W15	Helsby FP4	CWCC	Footpath	Crossed by pipeline	Footpath through fields	Temporary
W16	Frodsham FP52	CWCC	Footpath	Crossed by pipeline	Footpath through fields	Temporary
W17	127/RB97/3	CWCC	Restricted Byway	Follows access track to pipeline	Existing track	Temporary

ID	PRoW No	Local Authority Area	Type of PRoW	PRoW interaction with Project	Nature of PRoW at Location (Layout/Surface)	Duration of Effect (Temporary/ Permanent)
W18	127/RB100/1	CWCC	Restricted Byway	Crossed by pipeline	Existing track	Temporary
W19	127/RB100/3	CWCC	Restricted Byway	Crossed by pipeline Follows access track to pipeline	Existing track	Temporary
W20	127/RB100/2	CWCC	Restricted Byway	Follows access track to pipeline	Existing track	Temporary
W21	127/RB97/7	CWCC	Restricted Byway	Crossed by pipeline	Existing track	Temporary
W22	Frodsham FP55	CWCC	Footpath	Crossed by pipeline	Footpath through fields	Temporary
W23	127/RB1010/1	CWCC	Restricted Byway	Follows access track to pipeline	Existing track	Temporary
W24	127/RB98/1	CWCC	Restricted Byway	Follows access track to pipeline	Existing track	Temporary
W25	127/RB98/3	CWCC	Restricted Byway	Crossed by pipeline Follows access track to pipeline	Existing track	Temporary

ID	PRoW No	Local Authority Area	Type of PRoW	PRoW interaction with Project	Nature of PRoW at Location (Layout/Surface)	Duration of Effect (Temporary/ Permanent)
W26	127/RB99/1	CWCC	Restricted Byway	Crossed by pipeline Follows access track to pipeline	Existing track	Temporary
W27	127/RB98/2	CWCC	Restricted Byway	Follows access track to pipeline	Existing track	Temporary
W28	Frodsham FP81	CWCC	Footpath	Crossed by pipeline Follows access track to pipeline	Existing track and footpath through fields	Temporary
W29	127/RB84/4	CWCC	Restricted Byway	Follows access track to pipeline	Existing track	Temporary
W30	Frodsham FP93	CWCC	Footpath	Crossed by pipeline Follows access track to pipeline	Footpath through fields	Temporary
W31	Sutton FP9	CWCC	Footpath	Crossed by pipeline Follows access track to pipeline Through trenchless crossing compound	Footpath through fields	Temporary

ID	PRoW No	Local Authority Area	Type of PRoW	PRoW interaction with Project	Nature of PRoW at Location (Layout/Surface)	Duration of Effect (Temporary/ Permanent)
W32	Sutton FP13	CWCC	Footpath	Follows access track to pipeline Through trenchless crossing compound	Footpath running along the edge of River Weaver	Temporary
W33	Aston FP1	CWCC	Footpath	Crossed by pipeline	Footpath through fields	Temporary
W34	Aston FP2	CWCC	Footpath	Crossed by pipeline	Footpath through fields	Temporary
W35	Aston FP3	CWCC	Footpath	Crossed by pipeline	Footpath through fields	Temporary
W36	Aston BR6	CWCC	Bridleway	Crossed by pipeline	Bridleway through fields	Temporary
W37	Dutton BR22	CWCC	Bridleway	Crossed by pipeline	Bridleway through fields	Temporary
W38	Dutton BR11	CWCC	Bridleway	Crossed by pipeline Runs through a trenchless crossing area	Bridleway through fields	Temporary
W39	Dutton BR15	CWCC	Bridleway	Follows access track to pipeline	Bridleway through fields	Temporary
W40	S/9	HBC	Footpath	Crossed by pipeline	Footpath running along the edge of River Weaver	Temporary

ID	PRoW No	Local Authority Area	Type of PRoW	PRoW interaction with Project	Nature of PRoW at Location (Layout/Surface)	Duration of Effect (Temporary/ Permanent)
				Follows access track to pipeline		
W41	S/10	HBC	Footpath	Crossed by pipeline Follows access track to pipeline	Existing track	Temporary
W42	R/24	HBC	Footpath	Crossed by pipeline Follows access track to pipeline	PRoW running across Runcorn Golf Course	Temporary
W43	R/27	HBC	Footpath	Crossed by pipeline	PRoW running across Runcorn Golf Course	Temporary

2.7.6 The review of the North Corridor identified 28 PRoWs within the Preliminary Order Limits set out in **Figure 2.2**, comprising 27 footpaths and one bridleway.

Table 2.2 PRoW affected by the Project – North Corridor

ID	PRoW No	Local Authority Area	Type of PRoW	PRoW interaction with Project	Nature of PRoW at Location (Layout/Surface)	Duration of Effect (Temporary/ Permanent)
N1	Dutton FP9	CWCC	Footpath	Crossed by pipeline	PRoW running across field	Temporary
N2	Dutton FP8	CWCC	Footpath	Runs just inside the Project corridor	PRoW running across fields	Temporary
N3	Dutton FP6	CWCC	Footpath	Small section of PRoW enters Preliminary Order Limits as it meets junction with Higher Lane	Existing track	Temporary
N4	Dutton FP5	CWCC	Footpath	Small section of PRoW enters Preliminary Order Limits as it meets junction with Higher Lane	PRoW running across fields	Temporary
N5	D/14	HBC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
N6	PB/6	HBC	Footpath	Runs inside the pipeline corridor	PRoW running across fields	Temporary
N7	D/1	HBC	Footpath	Runs inside the pipeline corridor	PRoW running across fields	Temporary

ID	PRoW No	Local Authority Area	Type of PRoW	PRoW interaction with Project	Nature of PRoW at Location (Layout/Surface)	Duration of Effect (Temporary/ Permanent)
				Route through a proposed material storage area		
N8	D/10	HBC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
N9	D/8	HBC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
N10	M/6	HBC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
N11	00150/2 FP	WBC	Footpath	Runs inside the pipeline corridor	PRoW running across fields	Temporary
N12	00150/1 FP	WBC	Footpath	Runs inside the pipeline corridor	PRoW running across fields	Temporary
N13	00304/3	WBC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
N14	00304/4	WBC	Footpath	Crossed by pipeline but at trenchless crossing so no surface impacts	PRoW along the Bridgewater Canal	None
N15	00237/3b	WBC	Footpath	Crossed by pipeline	Existing track	Temporary

ID	PRoW No	Local Authority Area	Type of PRoW	PRoW interaction with Project	Nature of PRoW at Location (Layout/Surface)	Duration of Effect (Temporary/ Permanent)
N16	00237/3b	WBC	Footpath	Crossed by pipeline	Existing track	Temporary
N17	00237/25	WBC	Footpath	Crossed by pipeline and also routes through compounds and trenchless crossing area	Existing track	Temporary
N18	00237/26	WBC	Footpath	Crossed by pipeline	Existing track	Temporary
N19	00361/34 FP	WBC	Footpath	Crossed by pipeline	PRoW running across field adjacent to a railway track	Temporary
N20	00361/47 FP	WBC	Footpath	Crossed by access track to pipeline	PRoW running across fields	Temporary
N21	WH14	HBC	Footpath	Crossed by access track to pipeline	PRoW running across fields	Temporary
N22	FP209	SHB	Footpath	Crossed by access track to pipeline	Existing track	Temporary
N23	FP101	SHB	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
N24	FP301	SHB	Footpath	Crossed by pipeline	PRoW running across fields	Temporary

ID	PRoW No	Local Authority Area	Type of PRoW	PRoW interaction with Project	Nature of PRoW at Location (Layout/Surface)	Duration of Effect (Temporary/ Permanent)
N25	FP306	SHB	Footpath	Crossed by pipeline	Existing track	Temporary
N26	FP205	SHB	Footpath	Crossed by pipeline Routes through a trenchless crossing area	PRoW running across fields adjacent to railway track	Temporary
N27	BR222	SHB	Bridleway	Crossed by pipeline	PRoW running along the edge of a field in a built up area	Temporary
N28	00150/6	WBC	Footpath	Routes into a trenchless crossing area	PRoW along and existing track	Temporary

2.7.7 The review of the East Corridor identified 21 PRoWs that are located within the Preliminary Order Limits set out in **Figure 2.2**, comprising 18 footpaths, 2 bridleways and 1 Restricted Byway.

Table 2.3 PRoWs affected by the Project – East Corridor

ID	PRoW No	Local Authority Area	Type of PRoW	PRoW interaction with Project	Nature of PRoW at Location (Layout/Surface)	Duration of Effect (Temporary/ Permanent)
E1	Whitley FP9	CWCC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
E2	Whitley FP8	CWCC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
E3	Whitley FP7	CWCC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
E4	Whitley BR6	CWCC	Bridleway	Crossed by pipeline	Existing Track	Temporary
E5	Antrobus BR17	CWCC	Bridleway	Crossed by pipeline	Existing Track	Temporary
E6	Antrobus FP14	CWCC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
E7	Antrobus FP11	CWCC	Footpath	PRoW runs along the edge just inside the Preliminary Order Limits	PRoW running across fields	Temporary
E8	Antrobus FP12	CWCC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
E9	Aston By Budworth FP40	ECC	Footpath	Crossed by pipeline	Existing track	Temporary

ID	PRoW No	Local Authority Area	Type of PRoW	PRoW interaction with Project	Nature of PRoW at Location (Layout/Surface)	Duration of Effect (Temporary/ Permanent)
E10	High Legh FP7	ECC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
E11	High Legh FP12	ECC	Footpath	PRoW runs along the edge just inside the Preliminary Order Limits	PRoW running across fields	Temporary
E12	High Legh FP10	ECC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
E13	Agden FP3	ECC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
E14	Agden FP1	ECC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
E15	Agden FP9	ECC	Footpath	Crossed by pipeline Route through a trenchless crossing area	PRoW at the edge of Bridgewater Canal	Temporary
E16	Agden FP6	ECC	Footpath	Crossed by pipeline	Existing track	Temporary
E17	Dunham:8	TBC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary

ID	PRoW No	Local Authority Area	Type of PRoW	PRoW interaction with Project	Nature of PRoW at Location (Layout/Surface)	Duration of Effect (Temporary/ Permanent)
E18	Warburton:5	TBC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
E19	Dunham:14	TBC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
E20	Dunham:15	TBC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
E21	Carrington:24	TBC	Restricted Byway	Follows access track to pipeline	Existing track	Temporary

2.7.8 The review of the South Corridor 33 PRoWs within the Preliminary Order Limits set out in **Figure 2.2**, comprising 25 footpaths, 3 bridleways and 5 Restricted Byways.

Table 2.4 PRoW affected by the Project – South Corridor

ID	PRoW No	Local Authority Area	Type of PRoW	PRoW interaction with Project	Nature of PRoW at Location (Layout/Surface)	Duration of Effect (Temporary/ Permanent)
S1	Dutton BR11	CWAC	Bridleway	Crossed by pipeline	PRoW running across field	Temporary
S2	Dutton BR13	CWCC	Bridleway	Crossed by pipeline	PRoW along the edge of the River Weaver	Temporary
S3	Little Leigh BR15	CWCC	Bridleway	Crossed by pipeline	Existing track	Temporary
S4	Acton Bridge FP19	CWCC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
S5	Acton Bridge FP20	CWCC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
S6	Acton Bridge FP1	CWCC	Footpath	Small section within the Preliminary Order Limits at the rail bridge crossing	PRoW leads onto a PRoW bridge over railway track	Temporary
S7	Acton Bridge FP2	CWCC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
S8	Weaverham FP20	CWCC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary

ID	PRoW No	Local Authority Area	Type of PRoW	PRoW interaction with Project	Nature of PRoW at Location (Layout/Surface)	Duration of Effect (Temporary/ Permanent)
S9	Weaverham FP19	CWCC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
S10	Weaverham FP29	CWCC	Footpath	Follows access track to pipeline	Existing track	Temporary
S11	101/RB3/1	CWCC	Restricted Byway	Crossed by pipeline	PRoW running across fields	Temporary
S12	Acton Bridge FP24	CWCC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
S13	Whitegate and Marton FP5	CWCC	Footpath	Crossed by pipeline Runs through a trenchless crossing area	Existing track	Temporary
S14	Whitegate and Marton FP45	CWCC	Footpath	Crossed by pipeline	Existing track	Temporary
S15	Whitegate and Marton FP7	CWCC	Footpath	Crossed by pipeline	Existing track	Temporary
S16	Hartford FP2	CWCC	Footpath	Crossed by pipeline Follows access track to pipeline	PRoW running across fields	Temporary

ID	PRoW No	Local Authority Area	Type of PRoW	PRoW interaction with Project	Nature of PRoW at Location (Layout/Surface)	Duration of Effect (Temporary/ Permanent)
S17	Daverham FP1	CWCC	Footpath	Crossed by pipeline	PRoW running along the edge of the River Weaver	Temporary
S18	Moulton FP1X	CWCC	Footpath	Crossed by pipeline	PRoW running along the edge of River Weaver	Temporary
S19	Davenham FP3	CWCC	Footpath	Crossed by pipeline Runs through a trenchless crossing area	PRoW running across fields	Temporary
S20	106/RB4/1	CWCC	Restricted Byway	Follows access track to pipeline	Existing track	Temporary
S21	218/RB9/(1/2/3)	CWCC	Restricted Byway	Crossed by pipeline	Existing track	Temporary
S22	106/RB5/1	CWCC	Restricted Byway	Crossed by pipeline	Existing track	Temporary
S23	218/RB10/1	CWCC	Restricted Byway	Crossed by pipeline	Existing track	Temporary
S24	Bostock FP3	CWCC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary

ID	PRoW No	Local Authority Area	Type of PRoW	PRoW interaction with Project	Nature of PRoW at Location (Layout/Surface)	Duration of Effect (Temporary/ Permanent)
S25	Daverham FP6	CWCC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
S26	Dutton FP17	CWCC	Footpath	Small section within the Preliminary Order Limits north of A553 Runs through a trenchless crossing area	PRoW running along edge of fields	Temporary
S27	Little Leigh FP14	CWCC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
S28	Little Leigh FP11	CWCC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
S29	Whitegate and Marton FP6	CWCC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
S30	Barnton FP6	CWCC	Footpath	Small section within the Preliminary Order Limits	PRoW running across fields	Temporary
S31	Barnton FP7	CWCC	Footpath	Small section within the Preliminary Order Limits	PRoW running across fields	Temporary

ID	PRoW No	Local Authority Area	Type of PRoW	PRoW interaction with Project	Nature of PRoW at Location (Layout/Surface)	Duration of Effect (Temporary/ Permanent)
S32	Anderton with Marbury FP1	CWCC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
S33	Anderton with Marbury FP4	CWCC	Footpath	Crossed by pipeline	PRoW running across fields	Temporary
S34	Anderton and Marbury FP5	CWCC	Footpath	Crossed by pipeline	Existing track	Temporary

2.7.9 Further evaluation of the effects of the Project on the identified PRoWs will occur after the Statutory Consultation before the submission of the DCO application.

2.7.10 At this point in time, there are no identified permanent effects on any PRoW.

2.8 Other Routes with Public Access affected by the Project

2.8.1 Each ORPA, as noted on OS mapping, that intersects or is within the Preliminary Order Limits has been identified and is presented in **Figure 2.3**. For each identified ORPA, the following information is provided and set out in **Table 2.5**:

- Identification (ID) number – Sequential from south to north along the Project corridor;
- The Corridor that effects the ORPA;
- The local authority area;
- The type of impact on the ORPA from the Project;
- The nature of the ORPA at the location of effect; and
- The duration of impact (temporary or permanent) on the ORPA.

2.8.2 The review identified that there are four ORPA of relevance (see **Figure 2.3** and **Table 2.5**).

Table 2.5 ORPA Affected by the Project

ID	Corridor	Local Authority Area	ORPA interaction with Project	Nature of ORPA at Location (Layout/Surface)	Duration of Effect (Temporary/ Permanent)
ORPA1	East	TBC	Crossed by pipeline	Trans Pennine Trail – surfaced cycle path	Temporary
ORPA2	East	CEC	Crossed by pipeline	Froghall Lane – surfaced road	Temporary
ORPA3	East	CEC	Crossed by pipeline	Beach Tree Farm	Temporary
ORPA4	North	WBC	Crossed by pipeline	Lapwing Lane/Moore Lane	Temporary

2.8.3 Further evaluation of the effects of the Project on the identified ORPAs will occur after the Statutory Consultation before and submission of the DCO application.

2.8.4 At this point in time, there are no identified permanent effects on any ORPA.

2.9 Open Access Land affected by the Project

2.9.1 The Preliminary Order Limits set out in **Figure 2.1** have been reviewed and compared to the locations of OAL taken from latest Ordnance Survey mapping[8] For each OAL **Table 2.6** sets out the following:

- ID number;
- Location of the OAL;
- The potential impact on the OAL
- nature of the OAL that may be affected.

2.9.2 The review identified two areas of OAL that would be affected by Preliminary Order Limits of the Project. **Figure 2.4** shows the identified OAL that are proposed to be affected. It should be noted that all impacts on OAL are temporary in nature.

Table 2.6 OAL affected by Preliminary Order Limits of the Project

ID No.	Location of OAL	Impact on OAL	Nature of OAL that is affected
1	Park Moss	Park Moss is affected north west of Arley Road with a small piece of the land inside the Preliminary Order Limits.	Woodland
2	Moss Side	Moss Side is a large area of OAL west of Warrington and north of the Manchester Ship Canal. This route is crossed by two route option corridors of the pipeline. The OAL is also needed for the location of a trenchless crossing area.	Riverside fields and moss land

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

344400 344600 344800 345000 345200 345400 345600 345800 346000 346200 346400 346600 346800

375600 375400 375200 375000 374800 374600 374400 374200 374000 373800 373600

N

Orchard Park
Elton
Elton Green
Hydrogen Power Plant HAGI
New Dairy Farm
The Bungalow
Cryers Farm
Manor Lodge
M56
B5132
14

Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

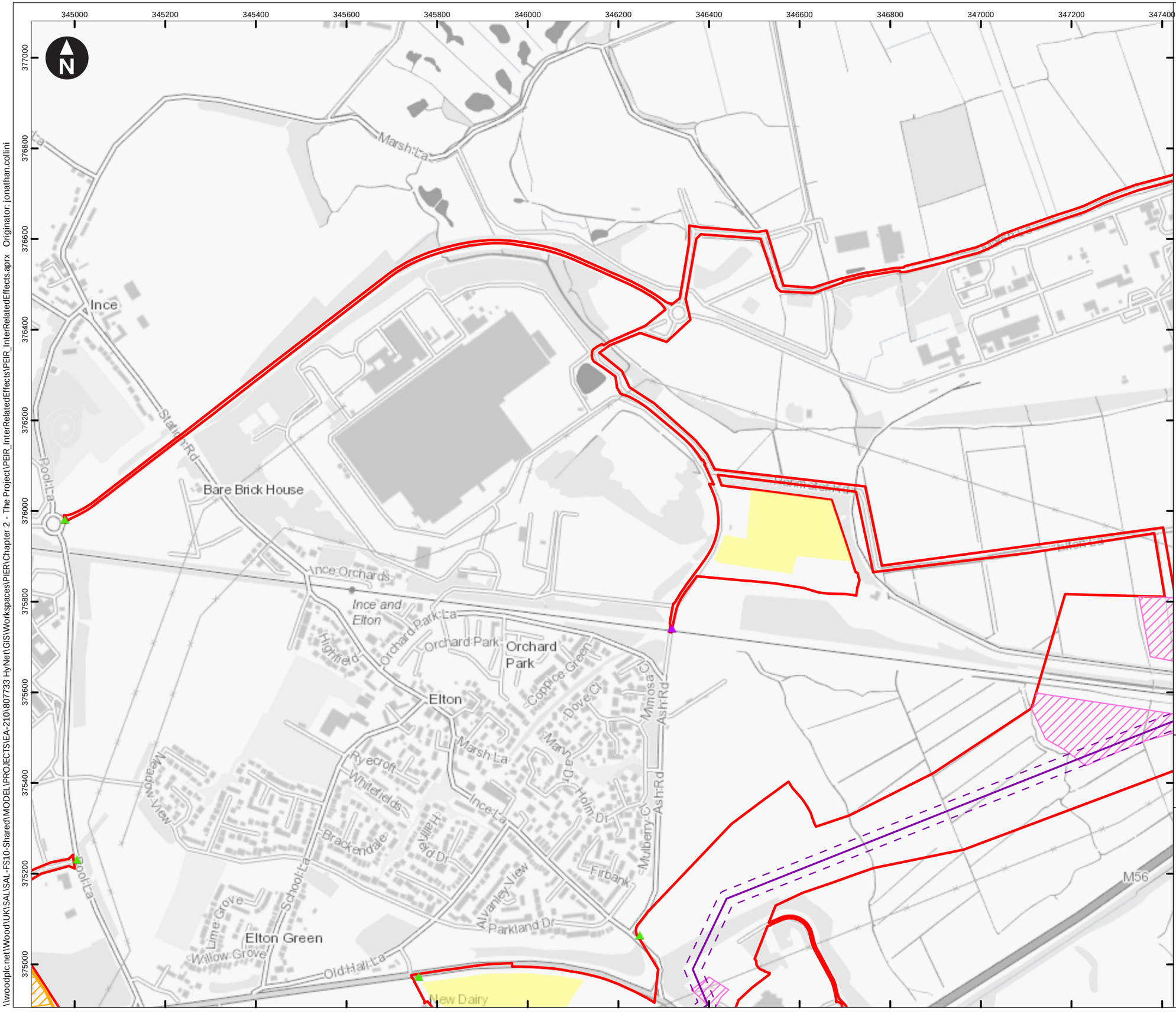
HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
West Corridor
Sheet: 1 of 41

Note: features shown on these plans are indicative

September 2022

wood.



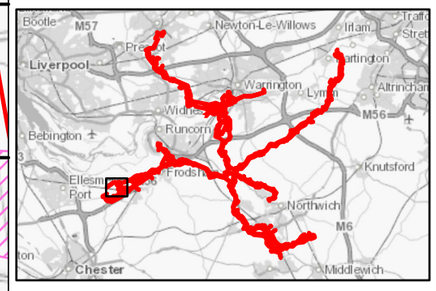
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

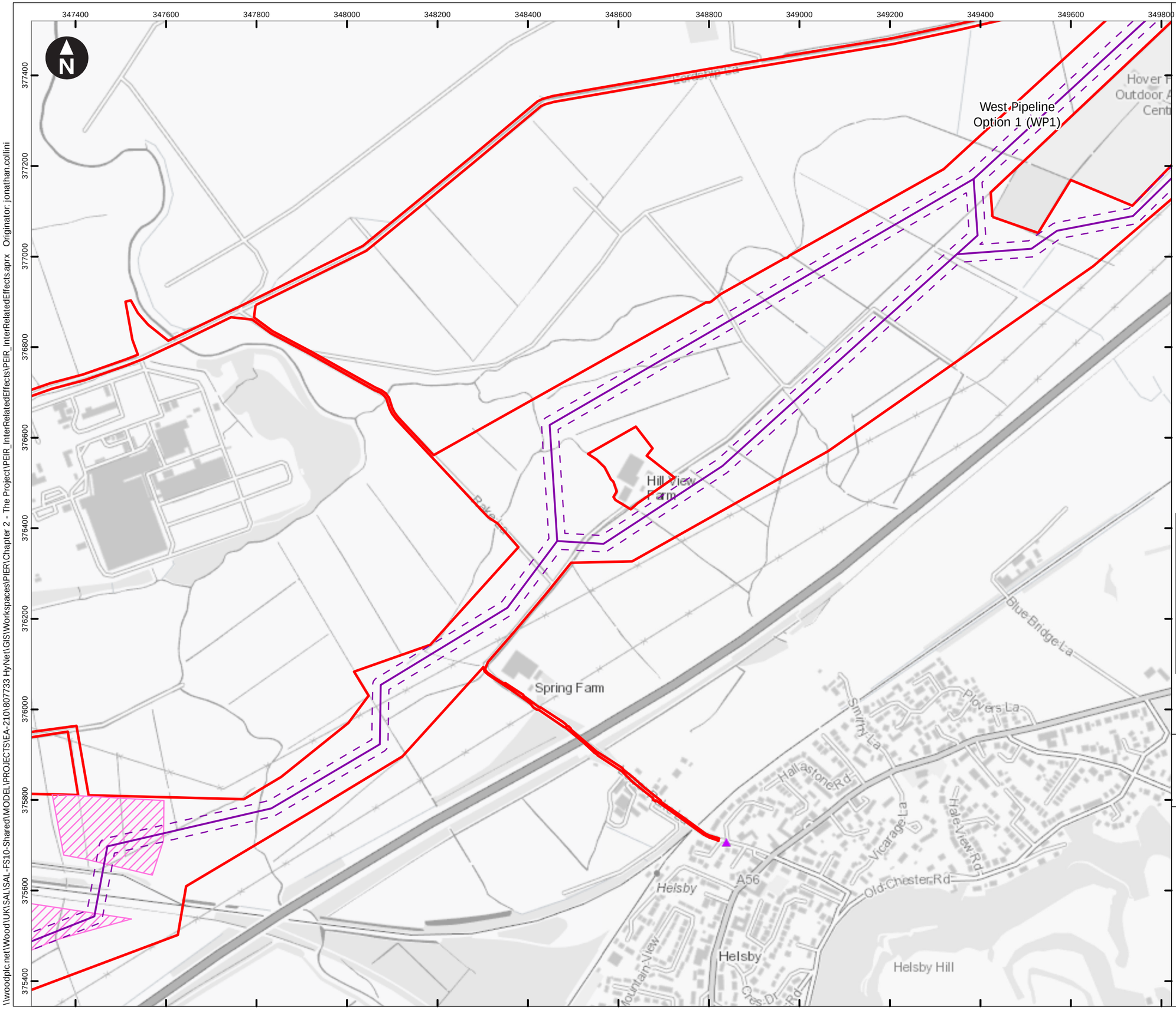
Figure 2.1
Project Overview
West Corridor
Sheet: 2 of 41

Note: features shown on these plans are indicative

September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-2101807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini



\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

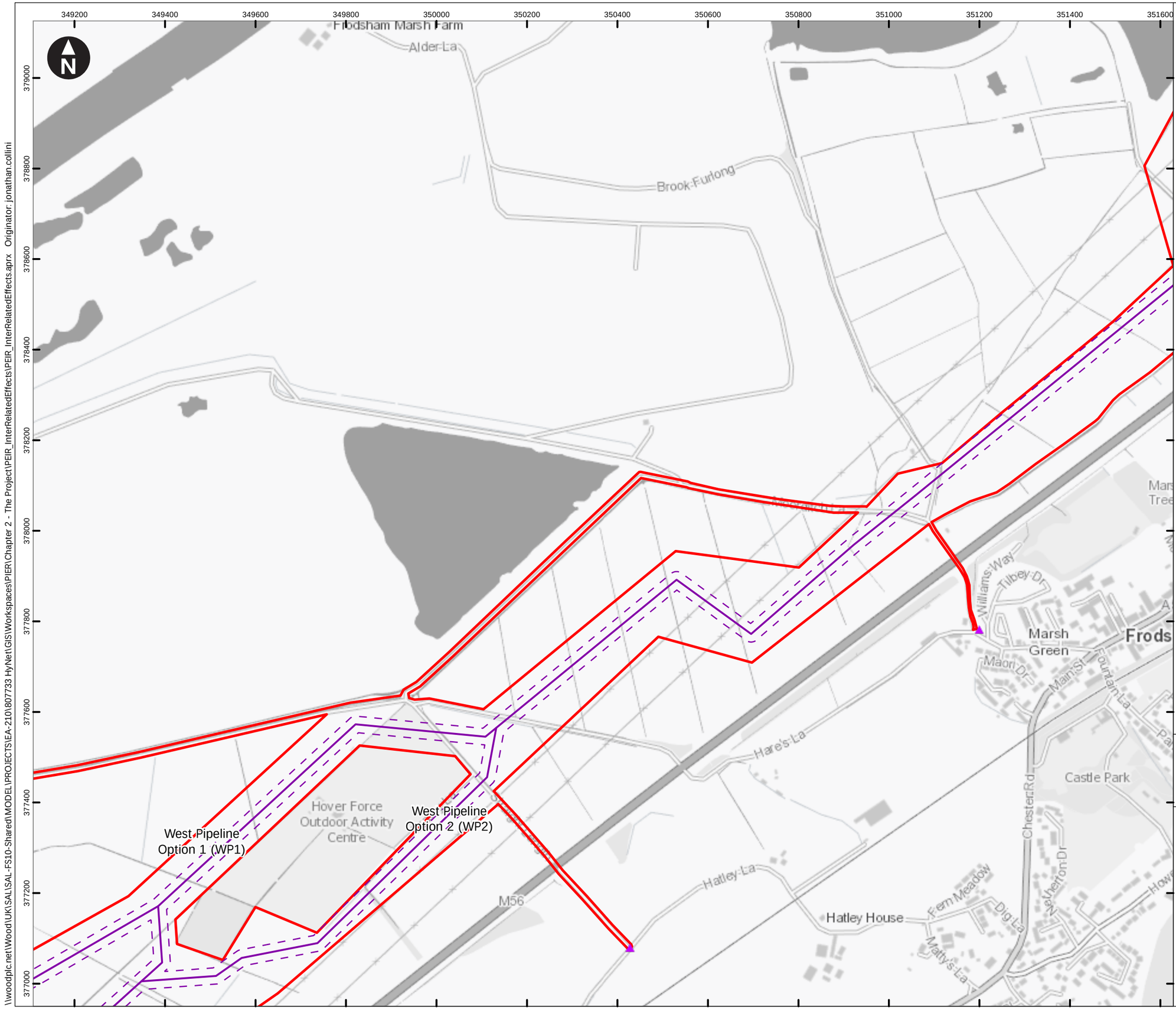
HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
West Corridor
Sheet: 3 of 41

Note: features shown on these plans are indicative

September 2022

wood.



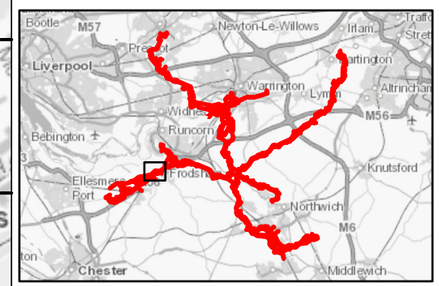
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

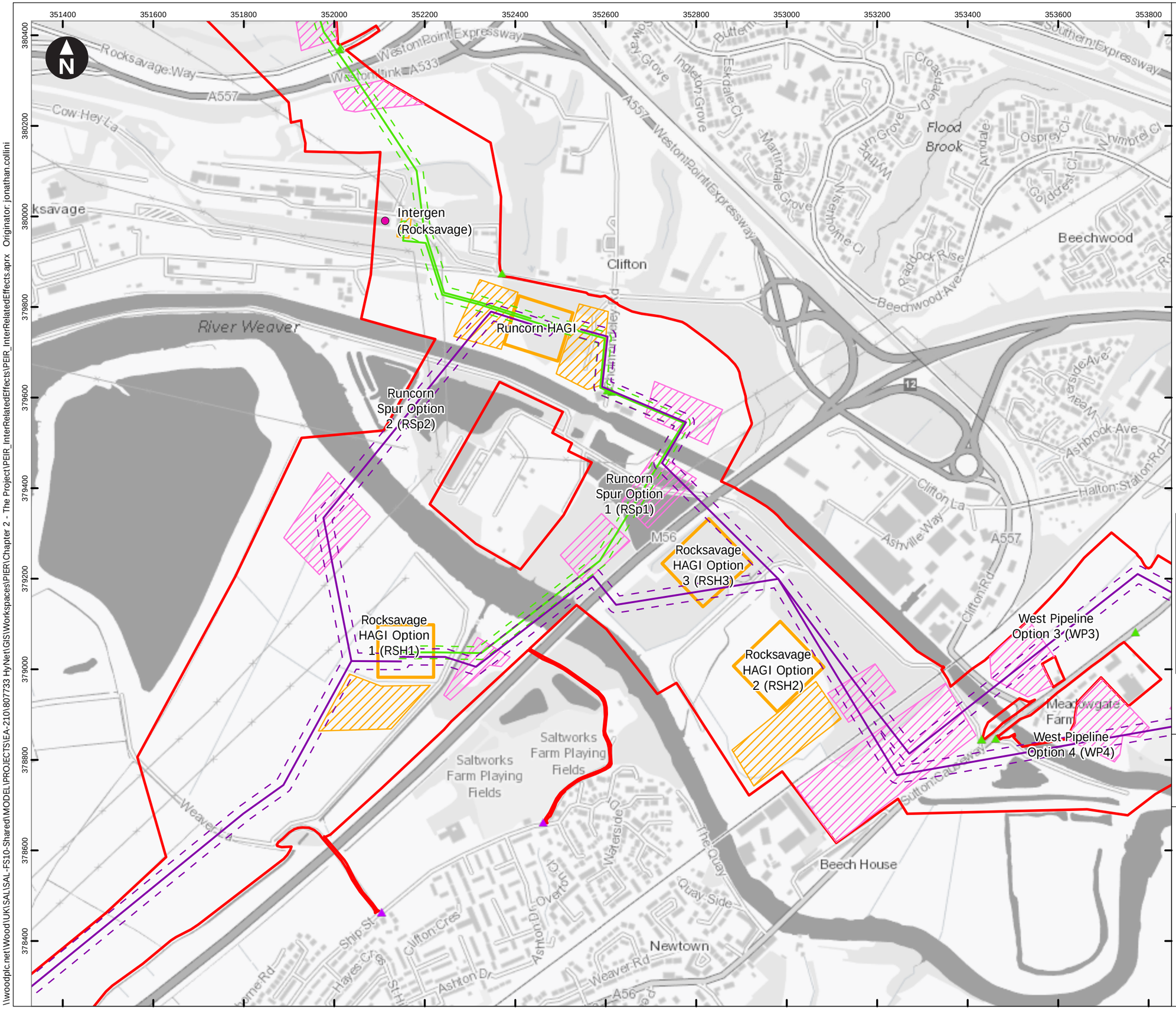
Figure 2.1
Project Overview
West Corridor
Sheet: 4 of 41

Note: features shown on these plans are indicative

September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-2101807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini



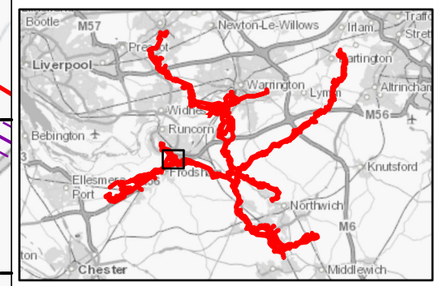
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

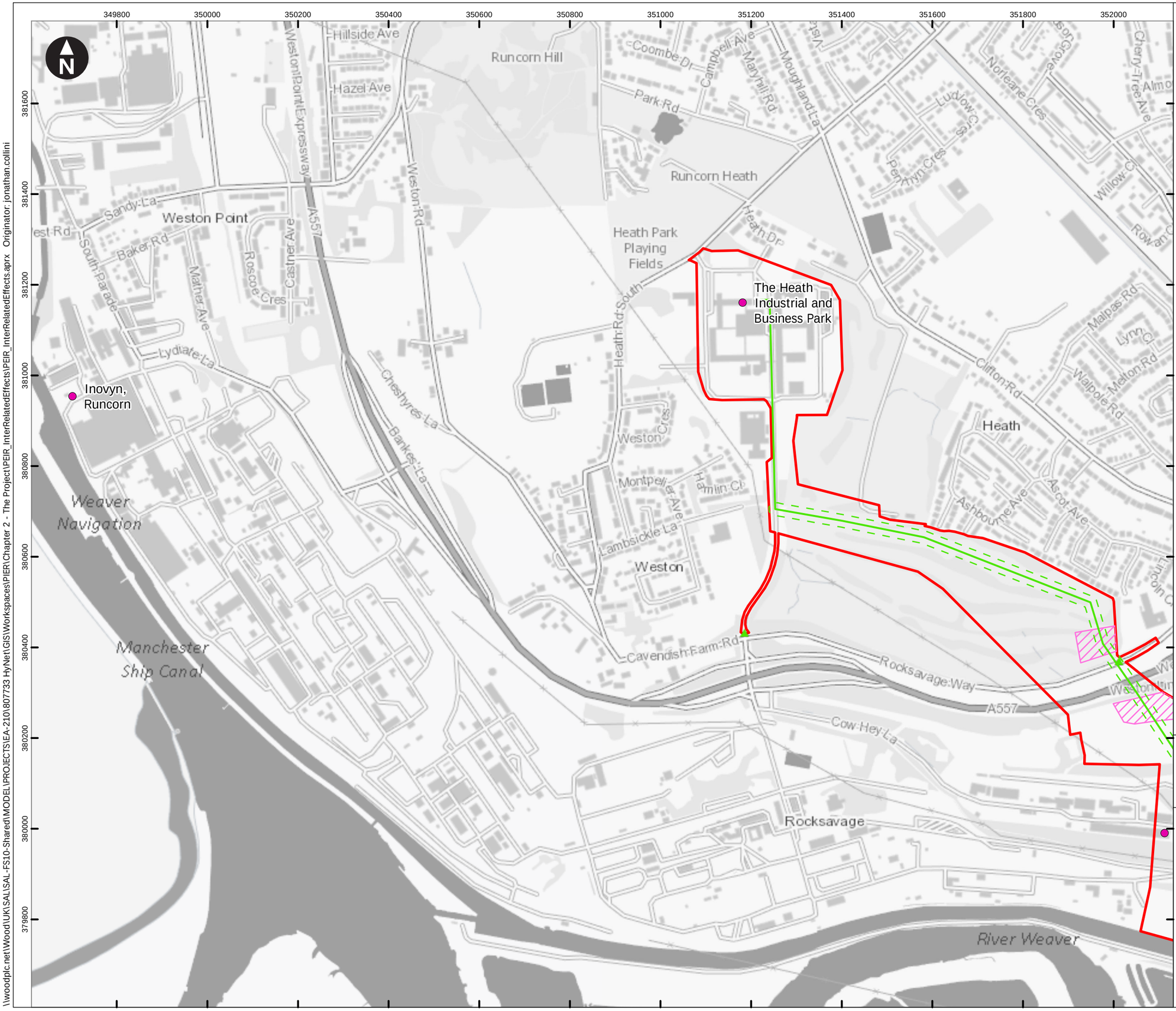
Figure 2.1
Project Overview
West Corridor & Runcorn/Rocksavage Spur
Sheet: 5 of 41

Note: features shown on these plans are indicative

September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini



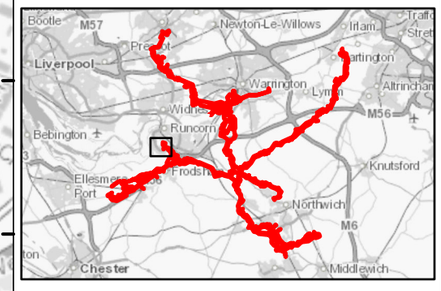
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
Runcorn/Rocksavage Spur
Sheet: 6 of 41

Note: features shown on these plans are indicative

September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-21\1807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

353800 354000 354200 354400 354600 354800 355000 355200 355400 355600 355800 356000 356200

379800 379600 379400 379200 379000 378800 378600 378400 378200 378000 377800

N

Maple Ave
Cedar
Beech Rd
Station Rd
Wood La
Station Rd
Chester Rd
M56
Chester Rd
A56
Northwich Rd
Aston Fields Rd
Sutton Fields Golf Driving Range
Sutton Fields Farm
Sutton Weaver
A56
Stretche's Gorse
Lowe's Wood
River Weaver
Kidney Plantation
Chapel Wood
Beckett's Wood
Aston Ln
Aston
River Weaver
Gamekeepers Cottage
Dell Wood
Parkside Farm

Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
West Corridor
Sheet: 7 of 41

Note: features shown on these plans are indicative

September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\8077733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

356400 356600 356800 357000 357200 357400 357600 357800 358000 358200 358400 358600

378800 378600 378400 378200 378000 377800 377600 377400 377200 377000 376800

N

Tunnel End
Union Farm
NorthwichRd A533
Hilltop Cottages
Bird's Wood
Dale Farm
Longacre Wood
Weaver View Cottages
Grange House
Lodge La
Longacre Brook
Reservoir Wood
Pear Tree Lodge
Lodge Wood
Meadow View
Dutton Park Farm
Island Farm
River Weaver

Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.

0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

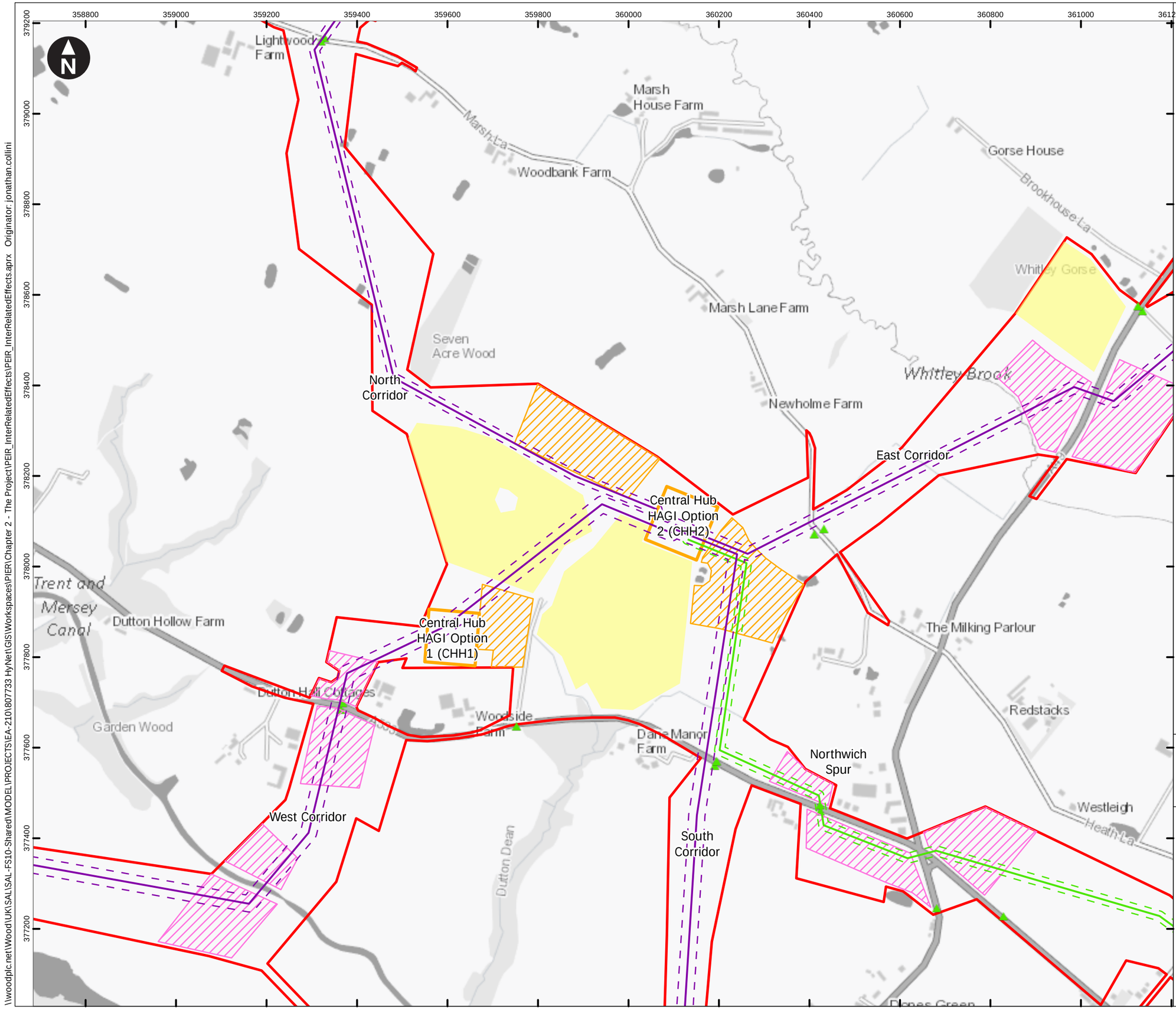
HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
West Corridor
Sheet: 8 of 41

Note: features shown on these plans are indicative

September 2022

wood.



\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\8077733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.

0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

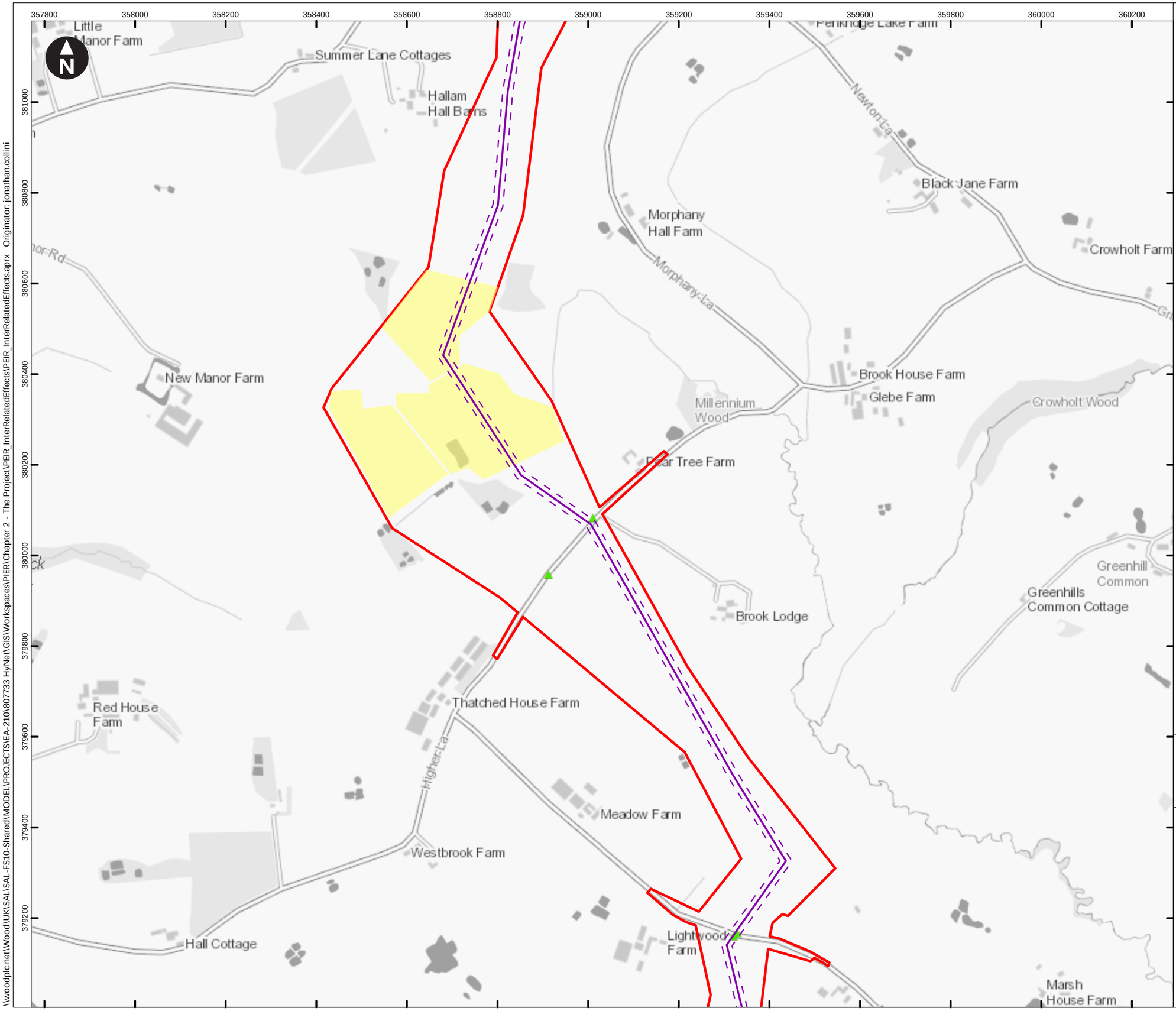
HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
Central Hub
Sheet: 9 of 41

Note: features shown on these plans are indicative

September 2022

wood.



\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

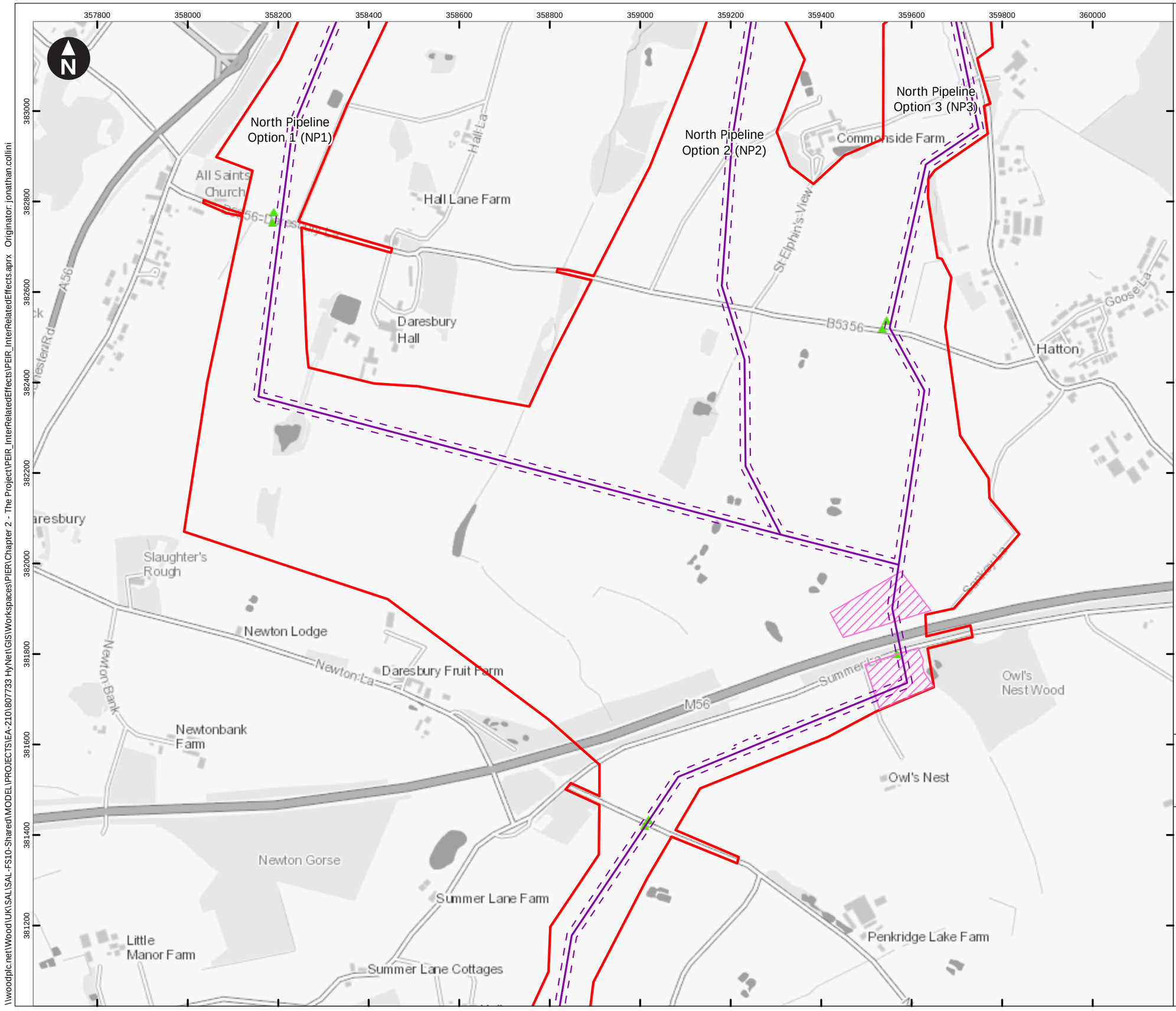
HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
North Corridor
Sheet: 10 of 41

Note: features shown on these plans are indicative

September 2022

wood.



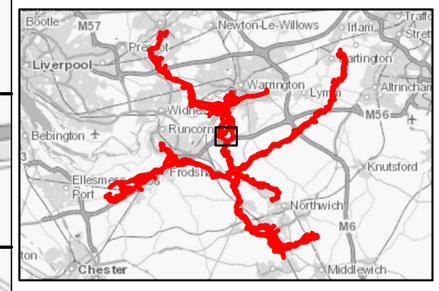
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

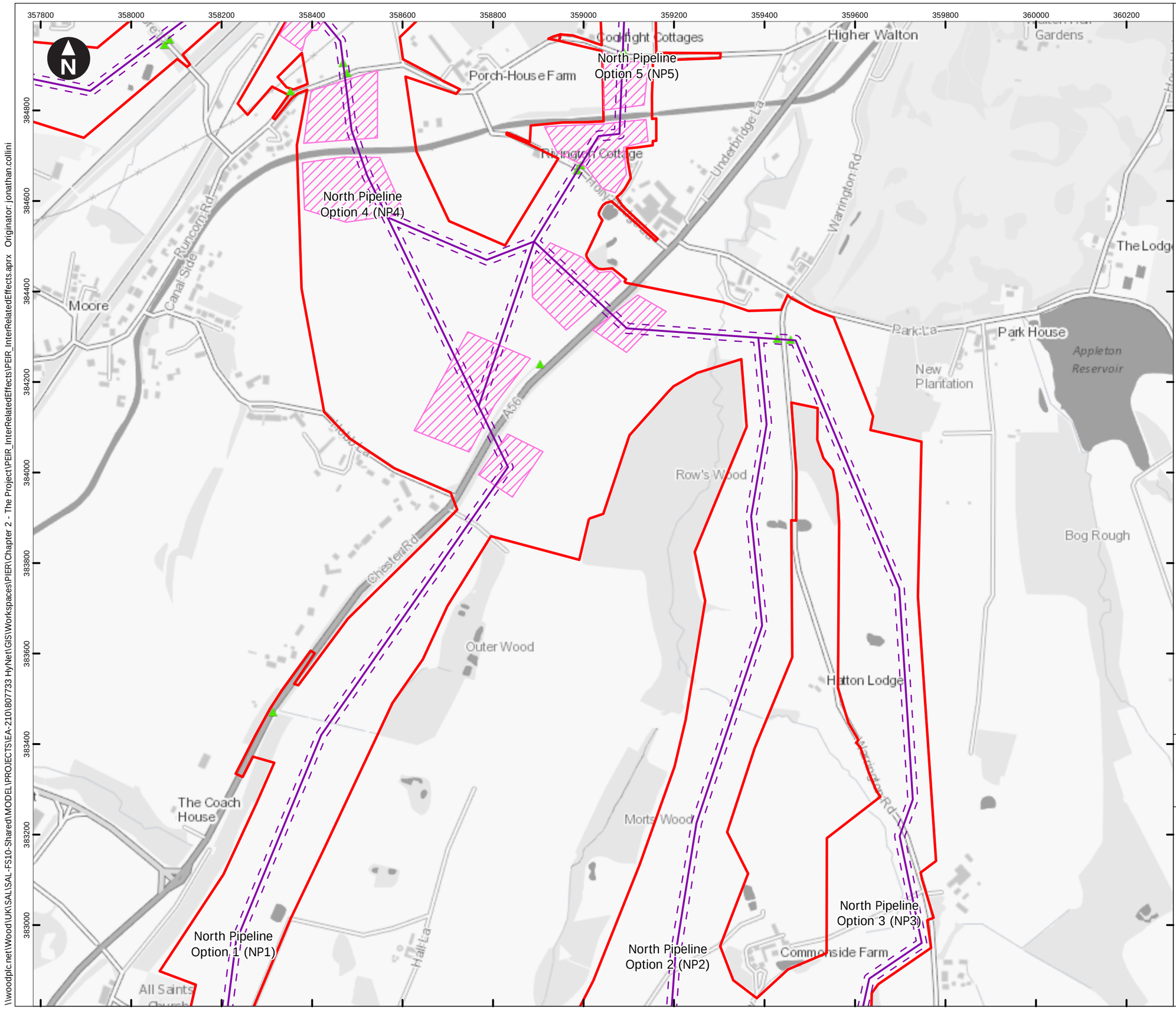
Figure 2.1
Project Overview
North Corridor
Sheet: 11 of 41

Note: features shown on these plans are indicative

September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-2101807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini



\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\8077733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

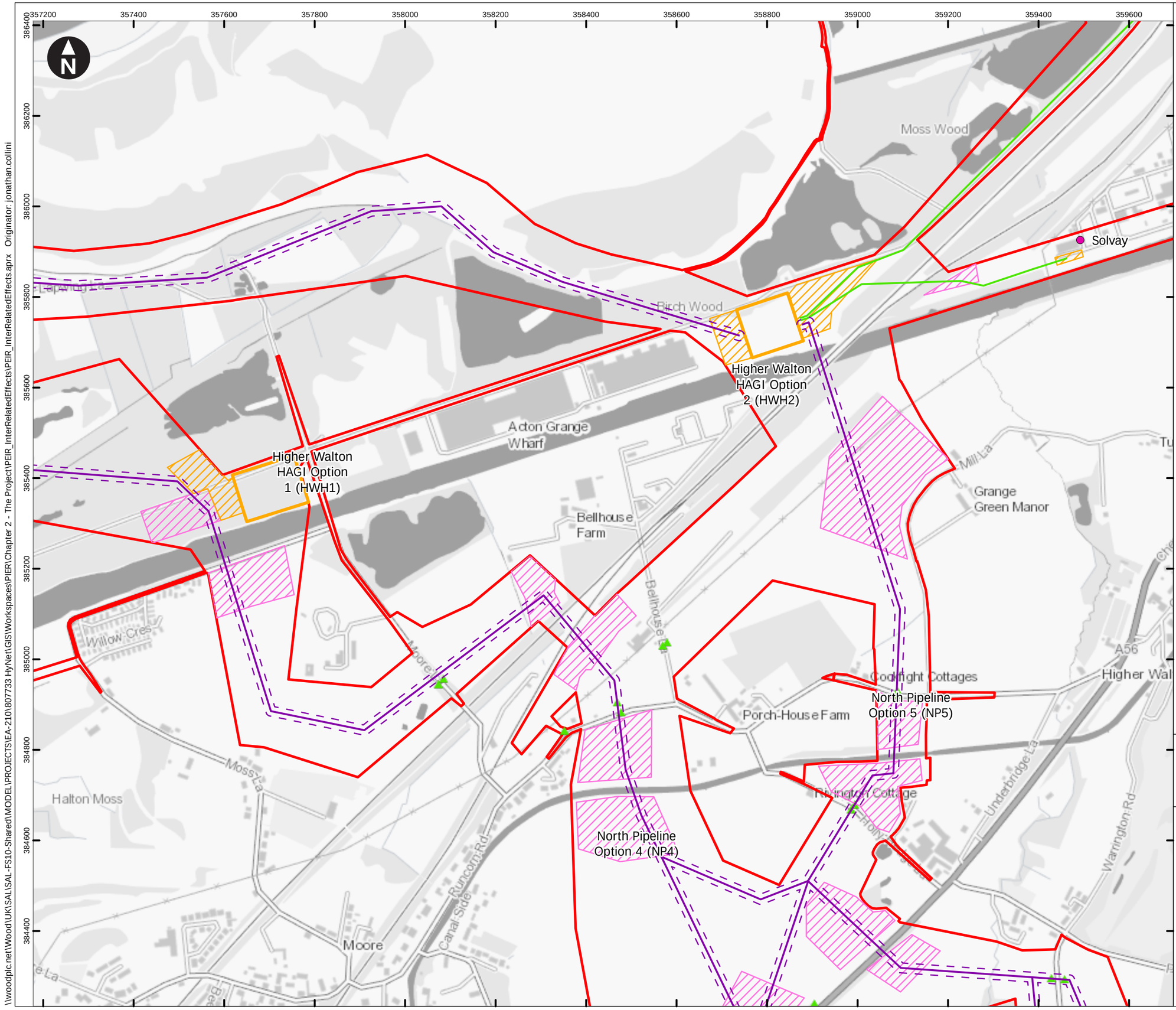
HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
North Corridor
Sheet: 12 of 41

Note: features shown on these plans are indicative

September 2022

wood.



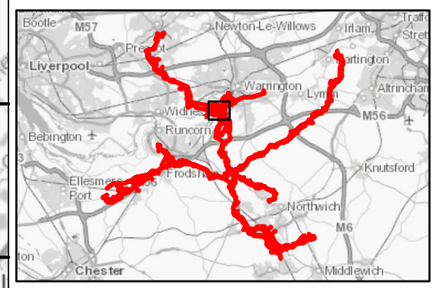
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

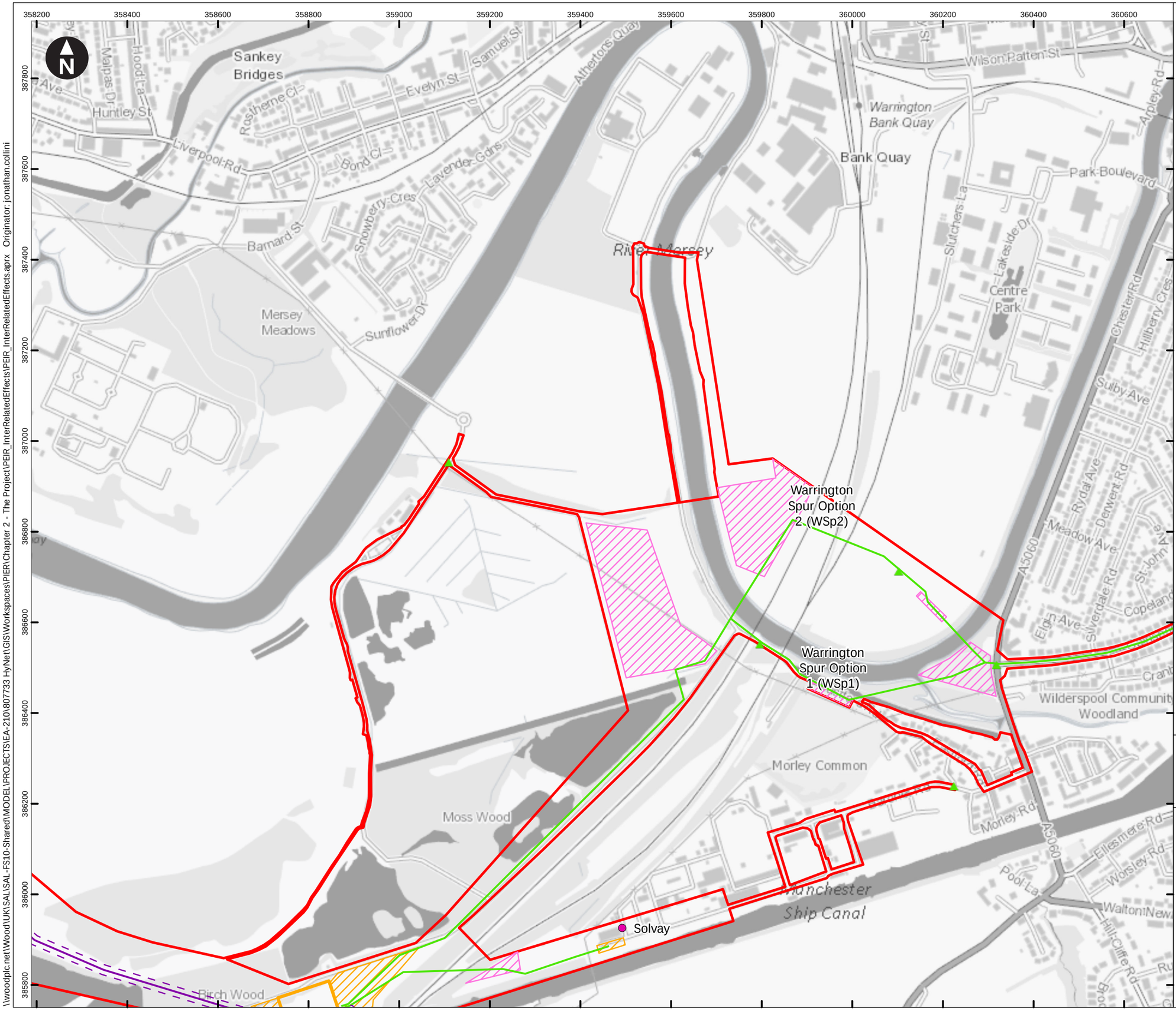
Figure 2.1
Project Overview
North Corridor
Sheet: 13 of 41

Note: features shown on these plans are indicative

September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini



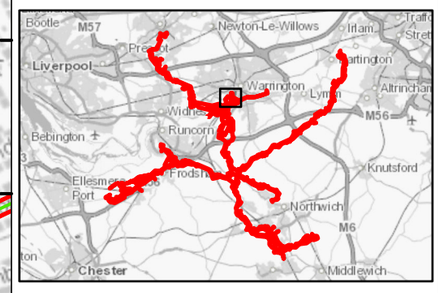
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
Warrington Spur
Sheet: 14 of 41

Note: features shown on these plans are indicative

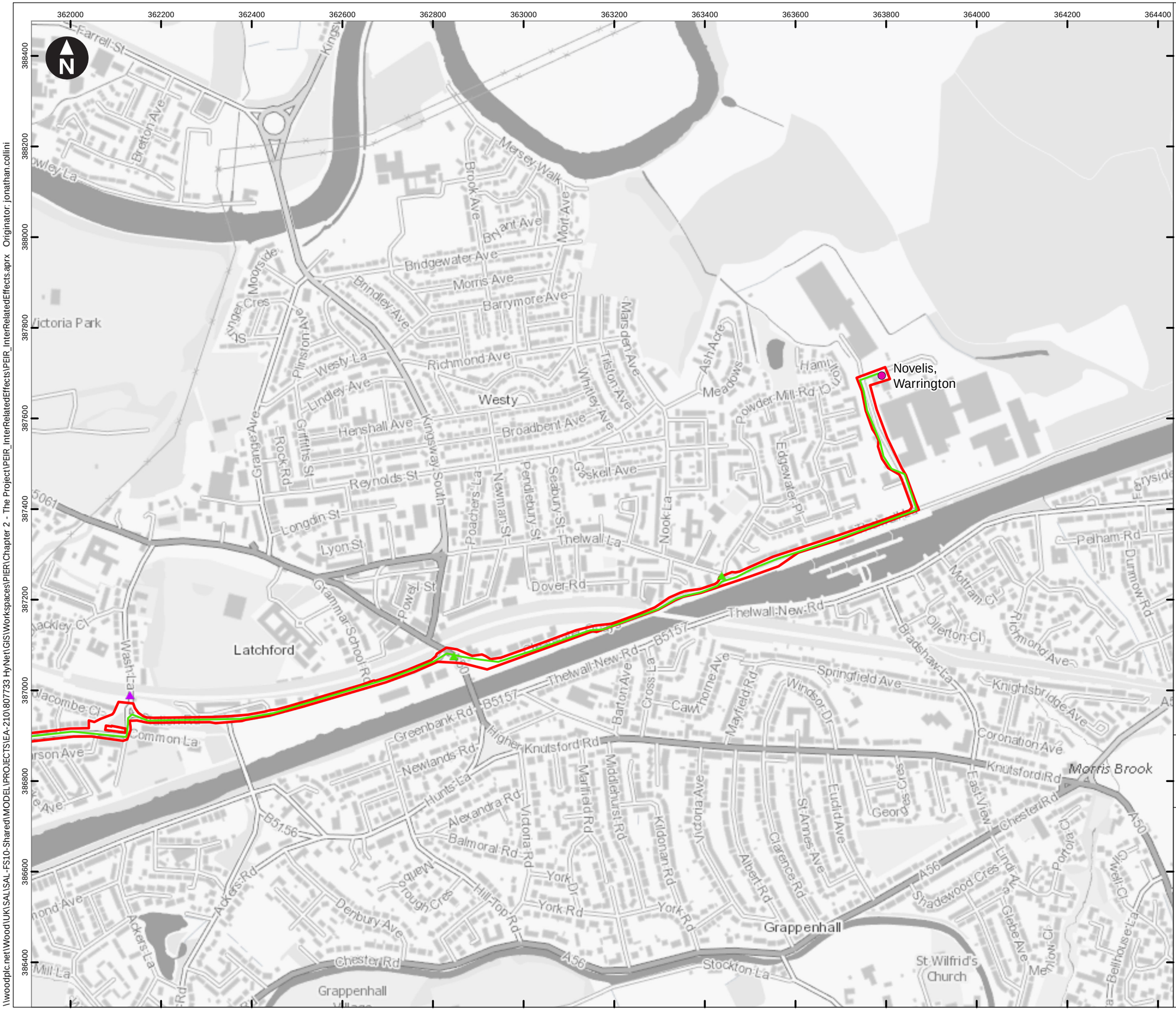
September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini



\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini



Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.

0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

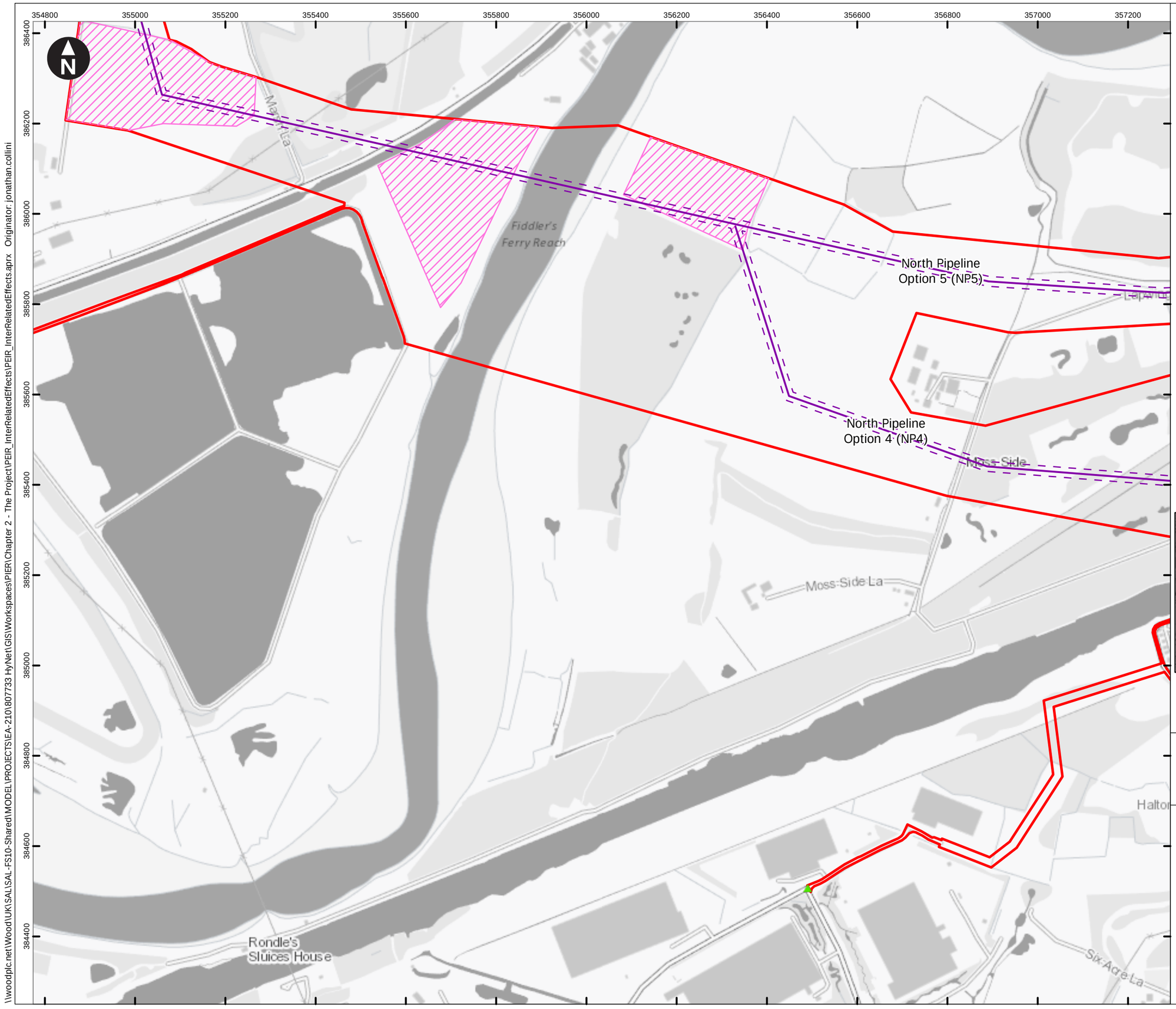
Figure 2.1
Project Overview
Warrington Spur
Sheet: 16 of 41

Note: features shown on these plans are indicative

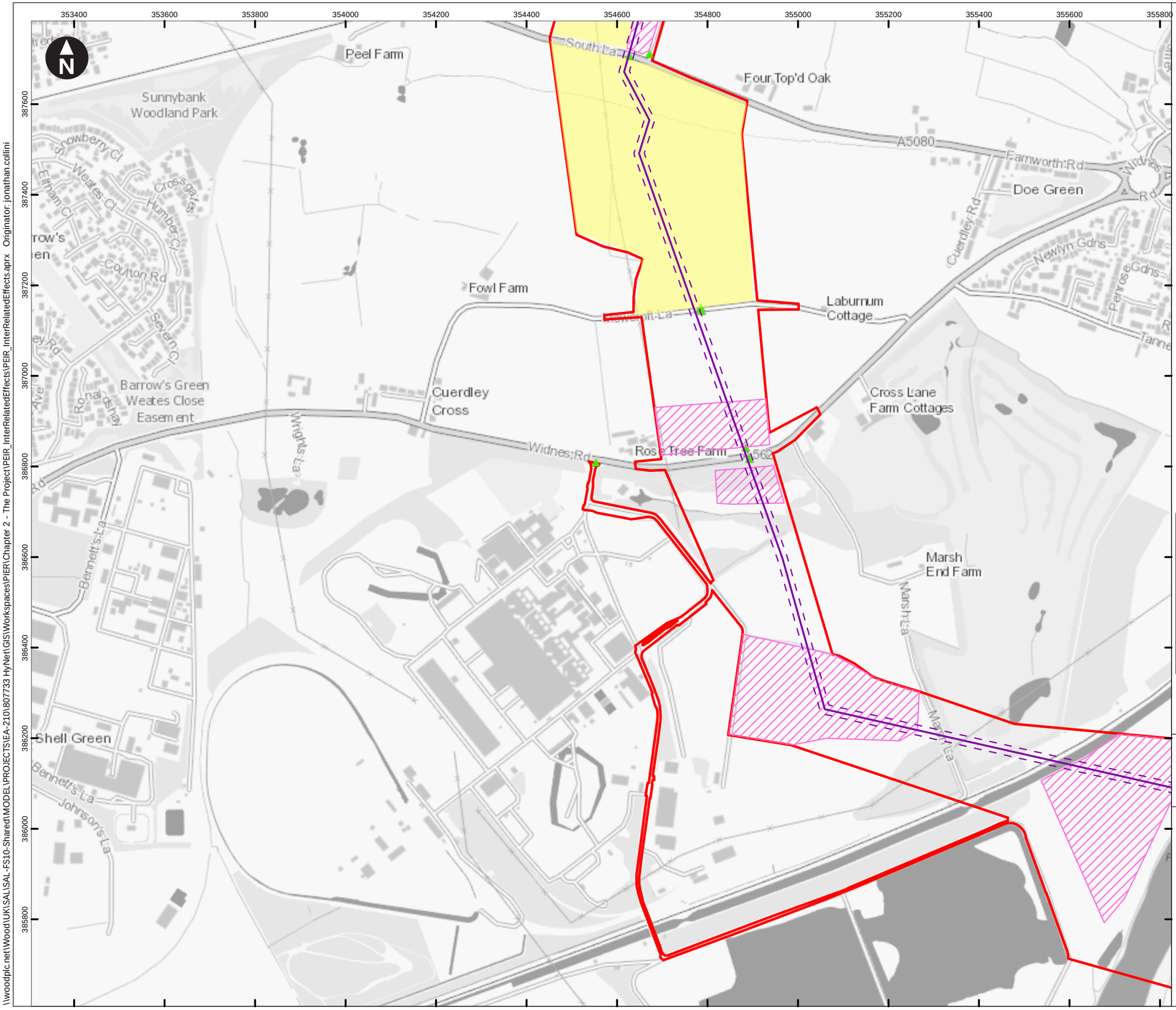
September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini



\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini



Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
North Corridor
Sheet: 18 of 41

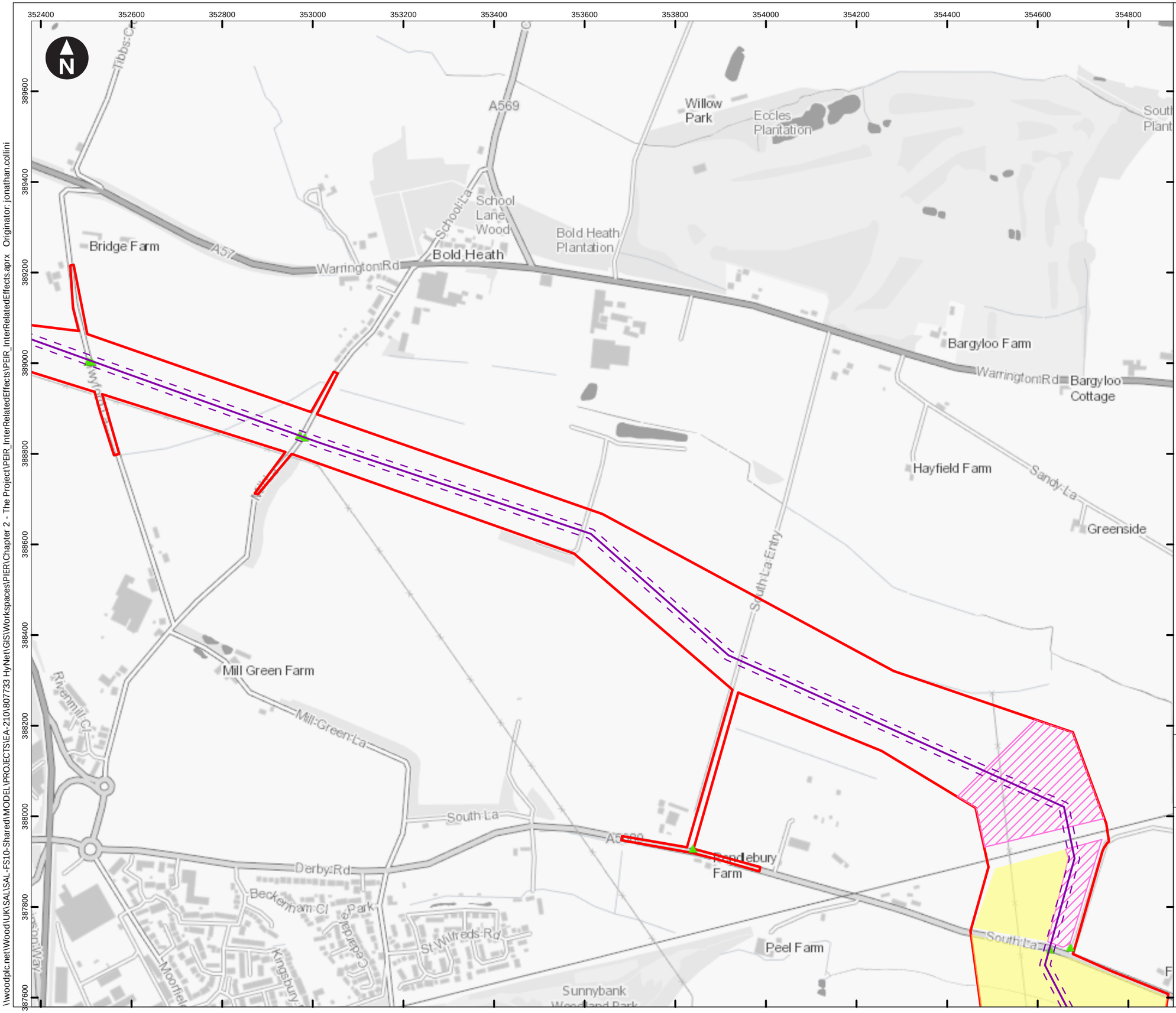
Note: features shown on these plans are indicative

September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini



Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.

0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

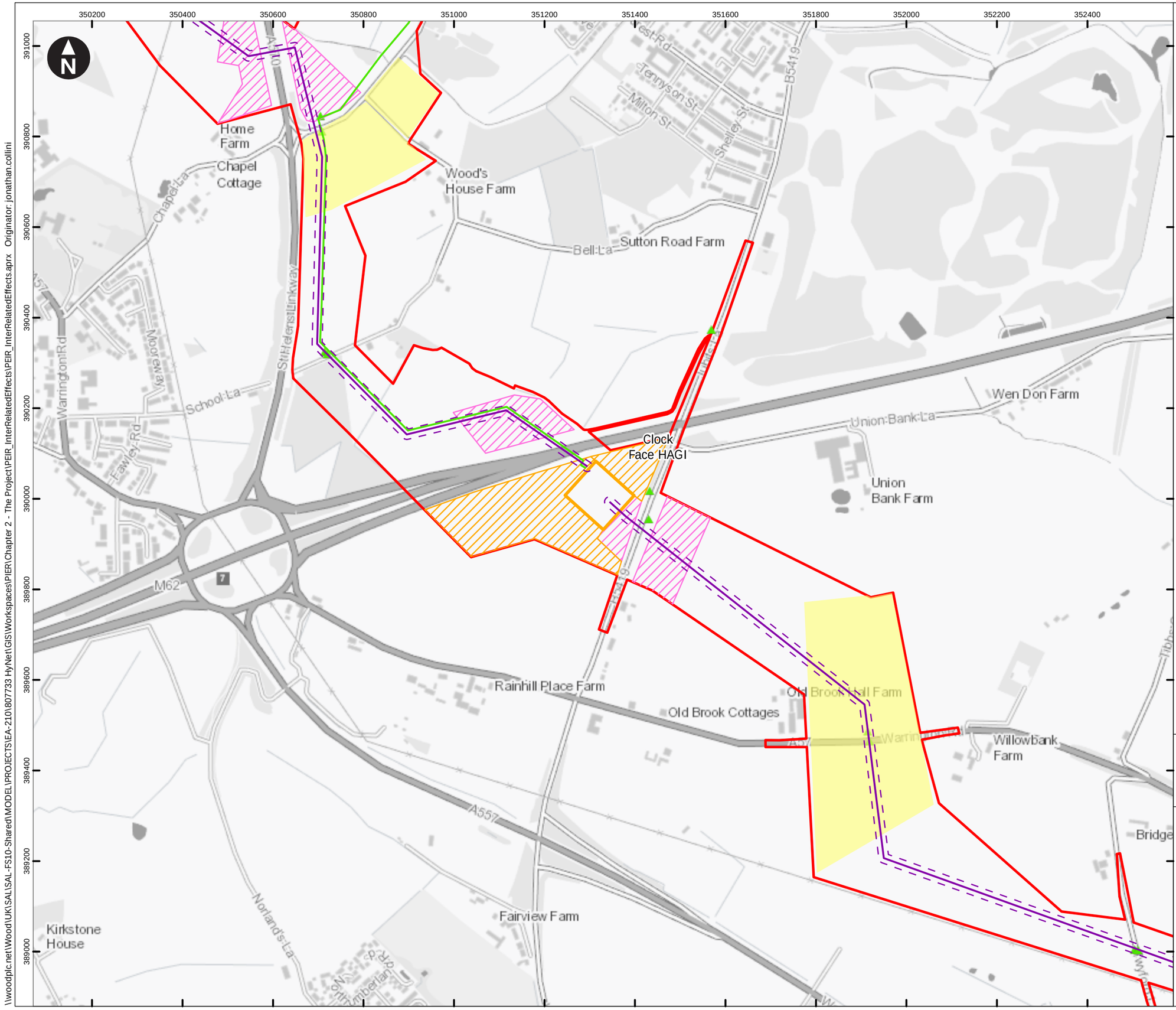
HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
North Corridor
Sheet: 19 of 41

Note: features shown on these plans are indicative

September 2022

wood.



\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

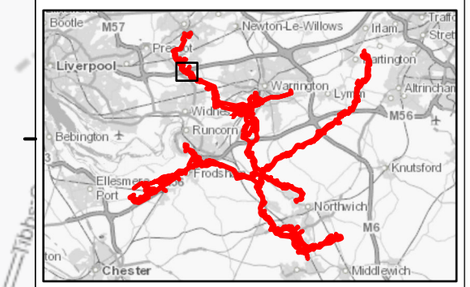
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

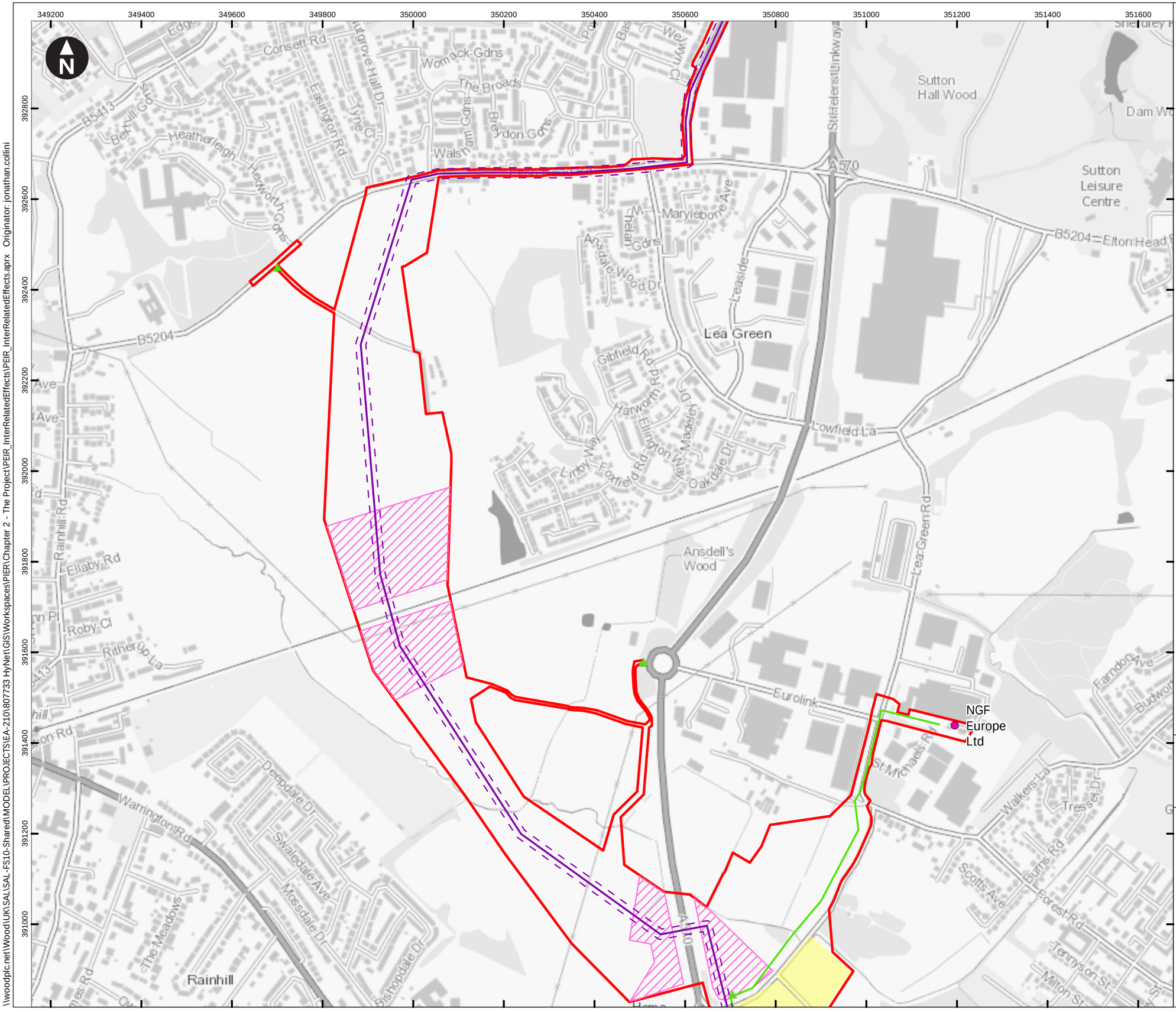
Figure 2.1
Project Overview
North Corridor & Clock Face Spur
Sheet: 20 of 41

Note: features shown on these plans are indicative

September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini



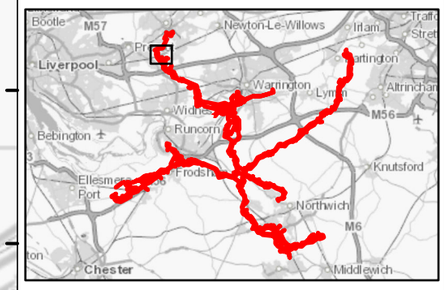
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

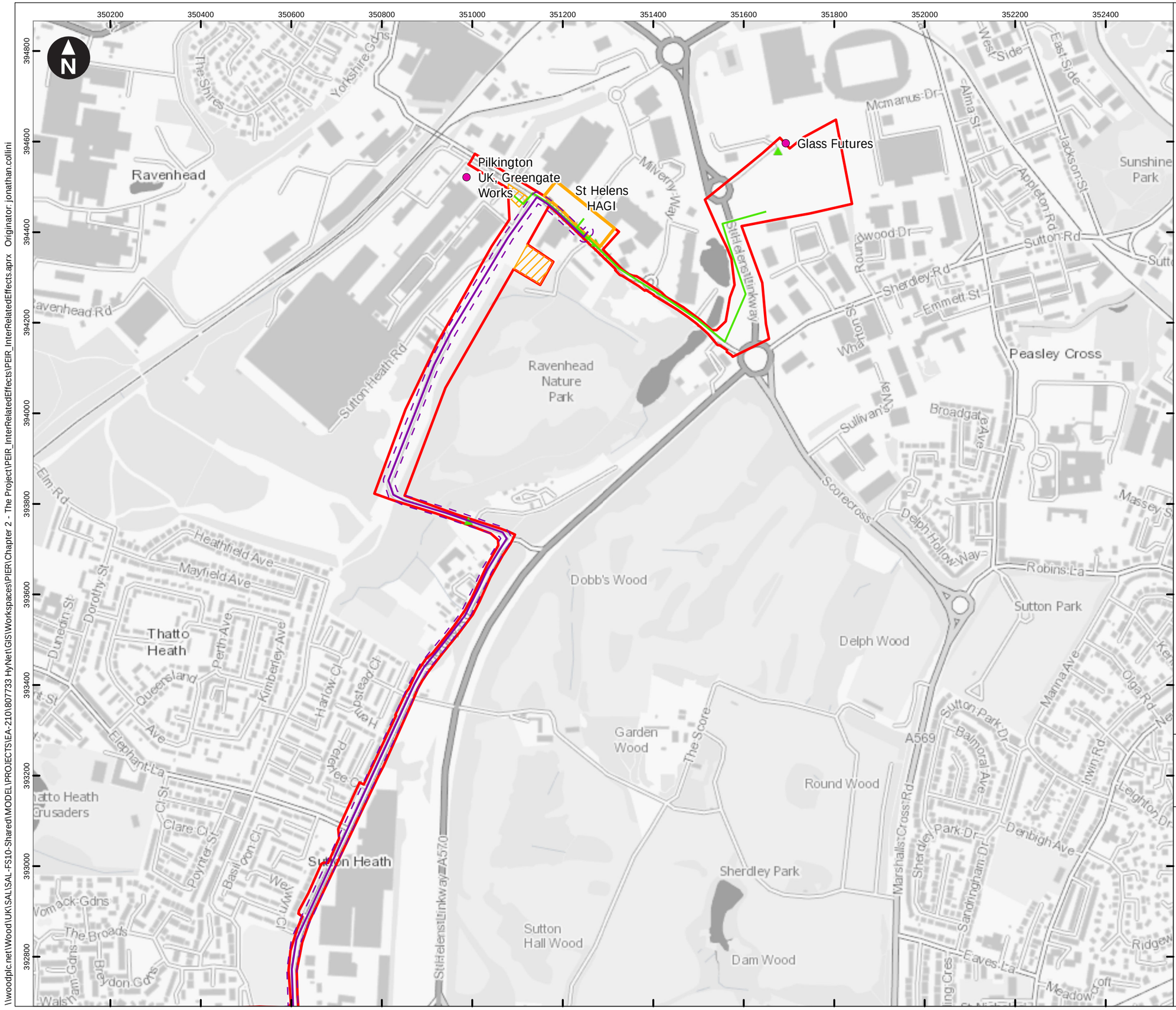
HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
North Corridor & Clock Face Spur
Sheet: 21 of 41

Note: features shown on these plans are indicative

September 2022

wood.



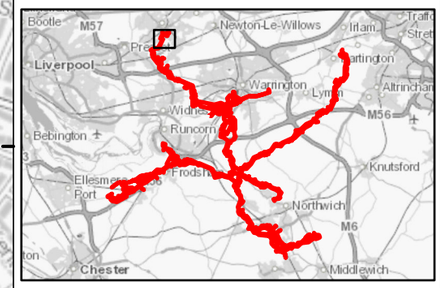
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
North Corridor & St Helens Spur
Sheet: 22 of 41

Note: features shown on these plans are indicative

September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

361200 361400 361600 361800 362000 362200 362400 362600 362800 363000 363200 363400 363600

377800 377600 377400 377200 377000 376800 376600 376400 376200 376000 375800

N

Heath Hall Farm
Ash Tree Farm
Clatterwick Farm
Clatterwick La
Hall La
Bogs Wood
Cogshall La
Cogshall Lane Lodge
Cogshall Lane Farm
Crumleigh Heath Farm
Heath Cottage
Shurley La
Old Post Office
A533
Runcorn Rd
Houghs La
Orchard Dr
Little Leigh
Brakeley La
Church Rd
Stone Leigh House Farm
Brakeley Bank Farm

Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
Northwich Spur
Sheet: 23 of 41

Note: features shown on these plans are indicative

September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

363200 363400 363600 363800 364000 364200 364400 364600 364800 365000 365200 365400 365600

376400 376200 376000 375800 375600 375400 375200 375000 374800 374600 374400

N

Claycroft Farm
Kennel Wood
Cogshall La
Hopyards Wood
Jacksons Turn
Marbury Brook
Uplands Rd
Anderton Nature Park
Uplands Farm
Bandshed Woodland
Hough La
Chestnut Grove
Townfield La
Cedar Dr
Elmwood Rd
Yew Tree Dr
Meadow Dr
Delamere Cl
Pelton Cl
Grey Cres
Barnton
Grange Ave
Emmett St
Whitley Ave
Lydyett La
Churchfields
Broadway
Nursery Rd
Bracken Way
Hayes Dr
Cross St
Hill Top
Mond St
Manor Dr
Blackcroft Ave
Oakwood La
Tunnel Rd
Canal Side
Church Rd
Runcorn Rd
Nursery Wood
A533
Bestway Wood
River Weaver
Soot Hill
Daisy Bank La
Hough La
Gunners Clough
Bramhalls Park
New Rd
Old Rd
Anderton
Lift La
Solvay Rd
Curzon Ave
Winnington La
Hitchen St
Whitby Dr
Walker Rd
Musket Cl
Park Rd
Halvorsen Cl
Northwich Spur Option 1 (NSp1)
Northwich Spur Option 2 (NSp2)
Uplands
Anderton Nature Park
Marshall's Wood
Tata Chemicals
River We

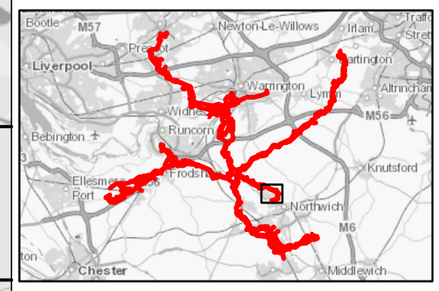
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

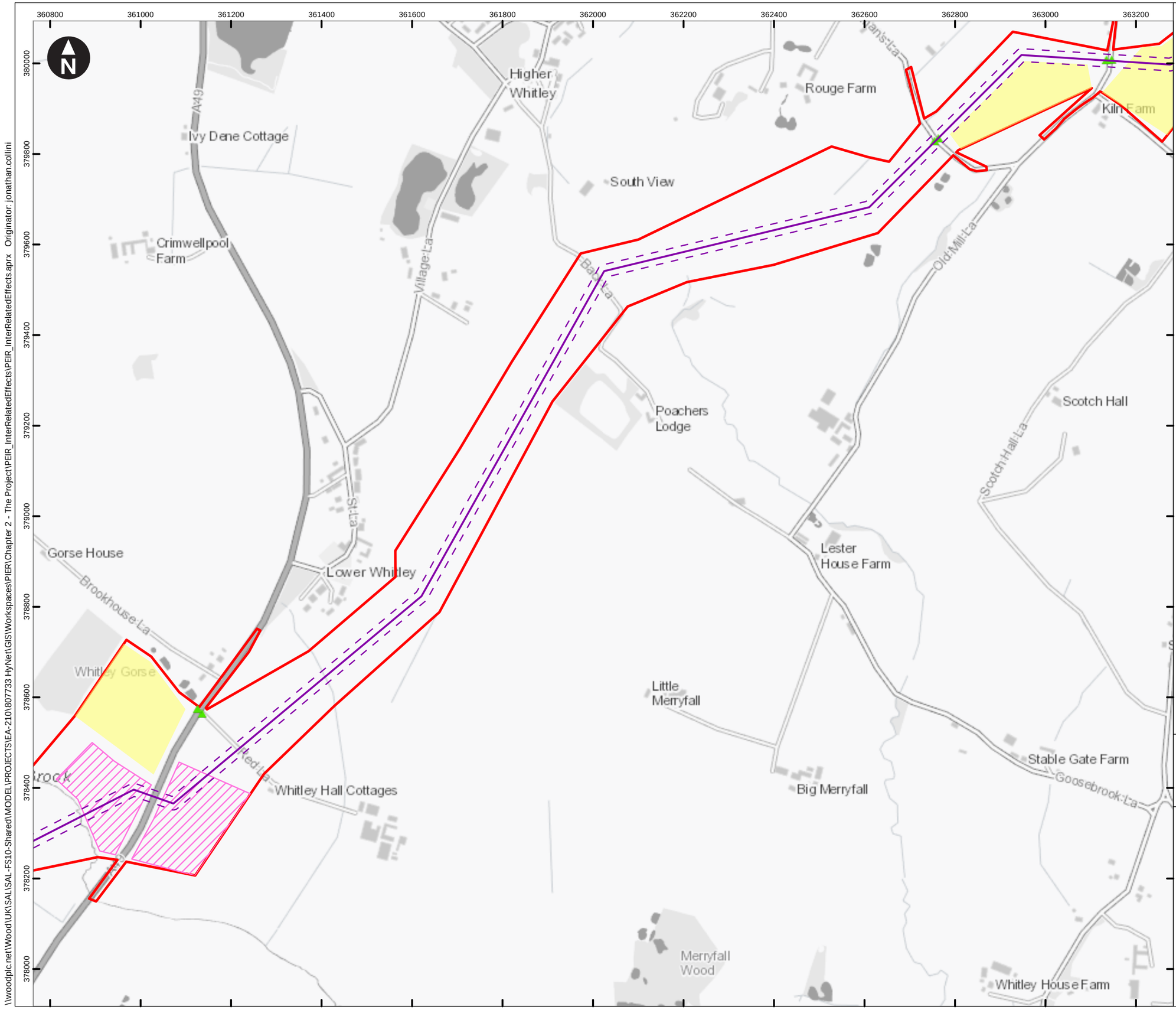
HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
Northwich Spur
Sheet: 24 of 41

Note: features shown on these plans are indicative

September 2022

wood.



\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

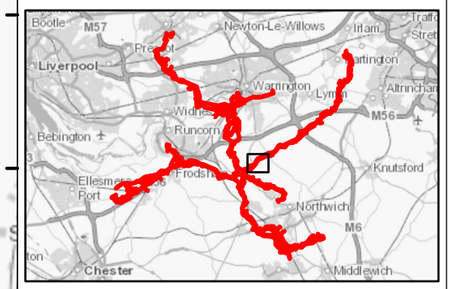
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

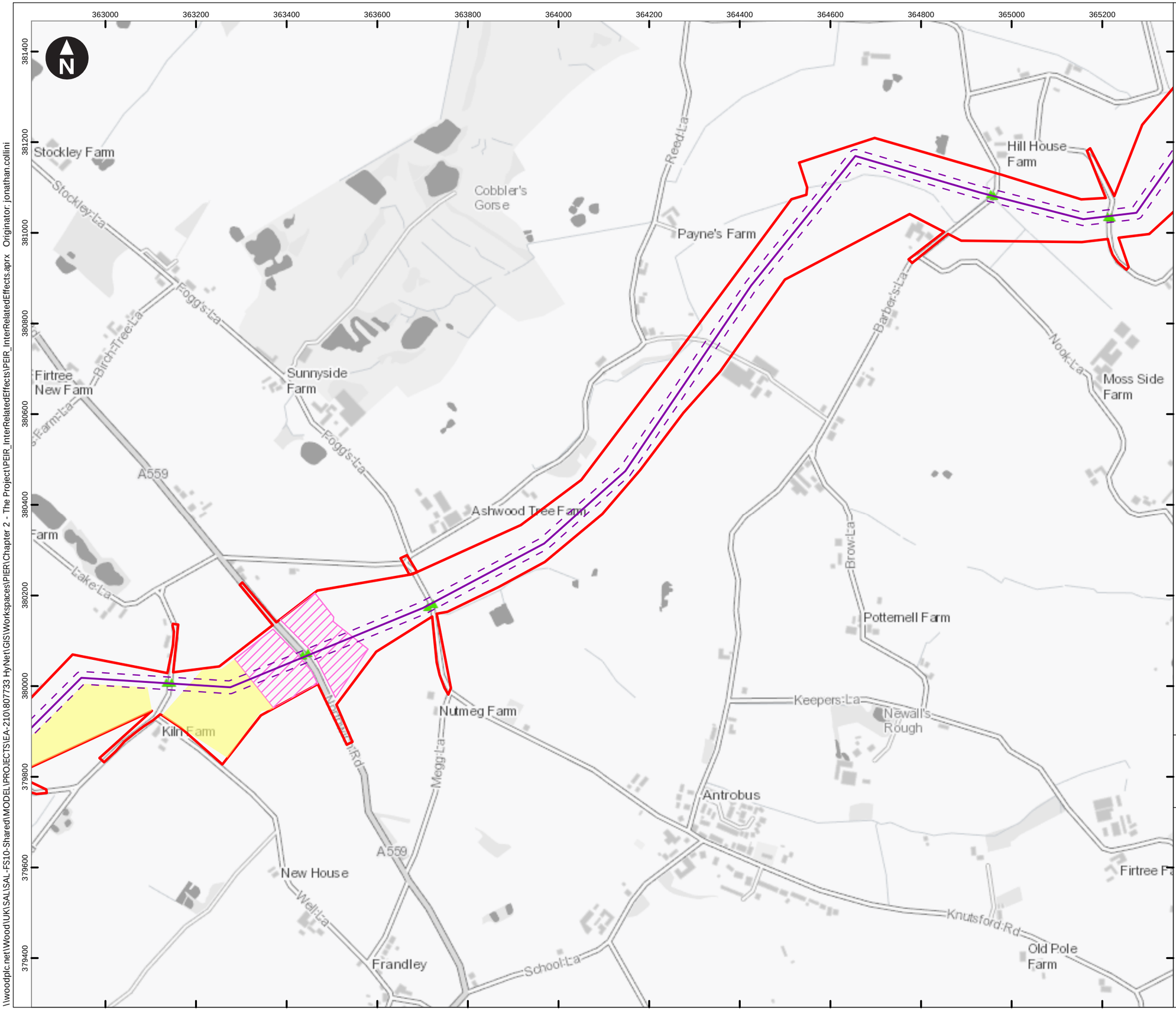
HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
East Corridor
Sheet: 25 of 41

Note: features shown on these plans are indicative

September 2022

wood.



\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

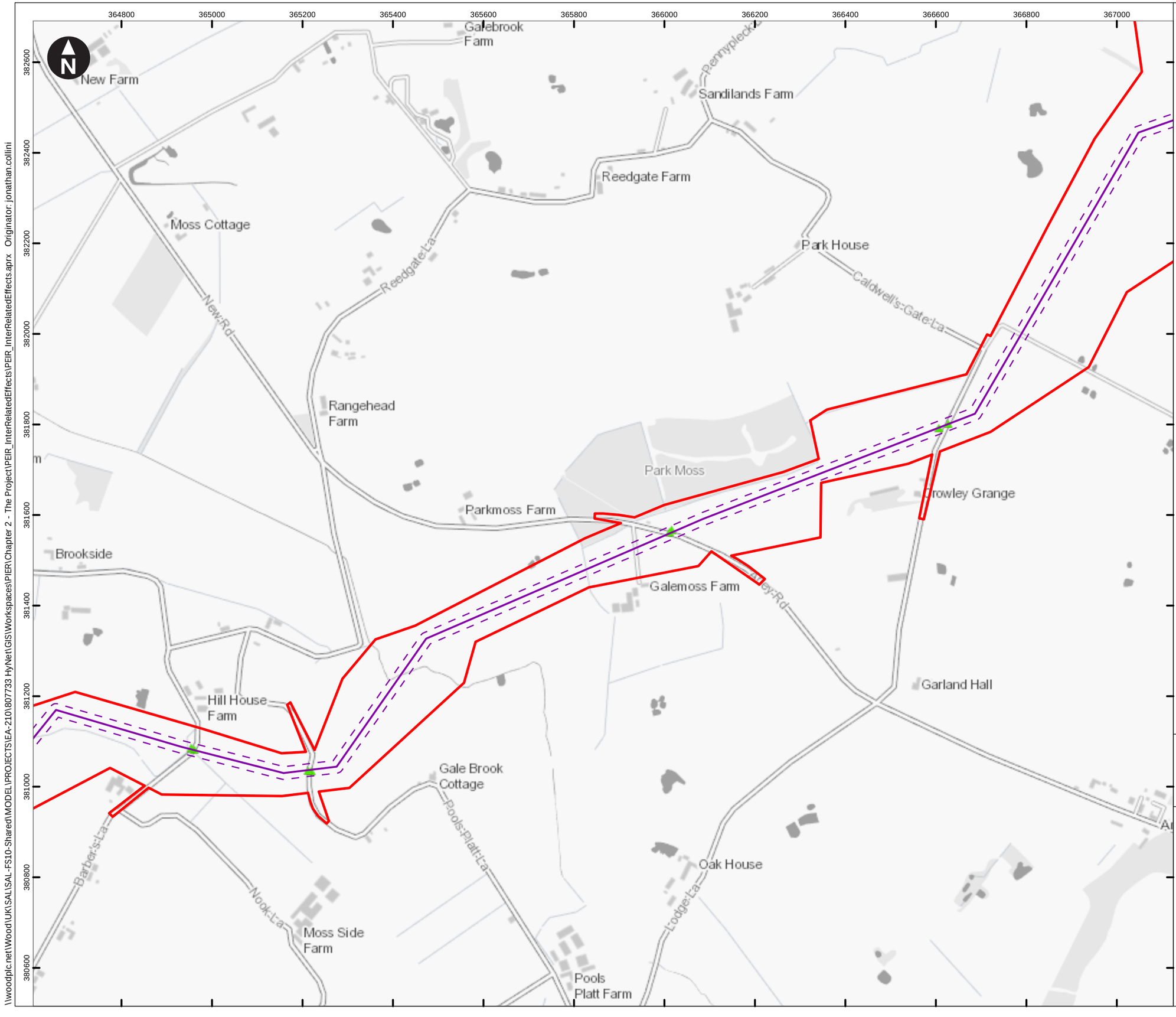
HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
East Corridor
Sheet: 26 of 41

Note: features shown on these plans are indicative

September 2022

wood.



Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

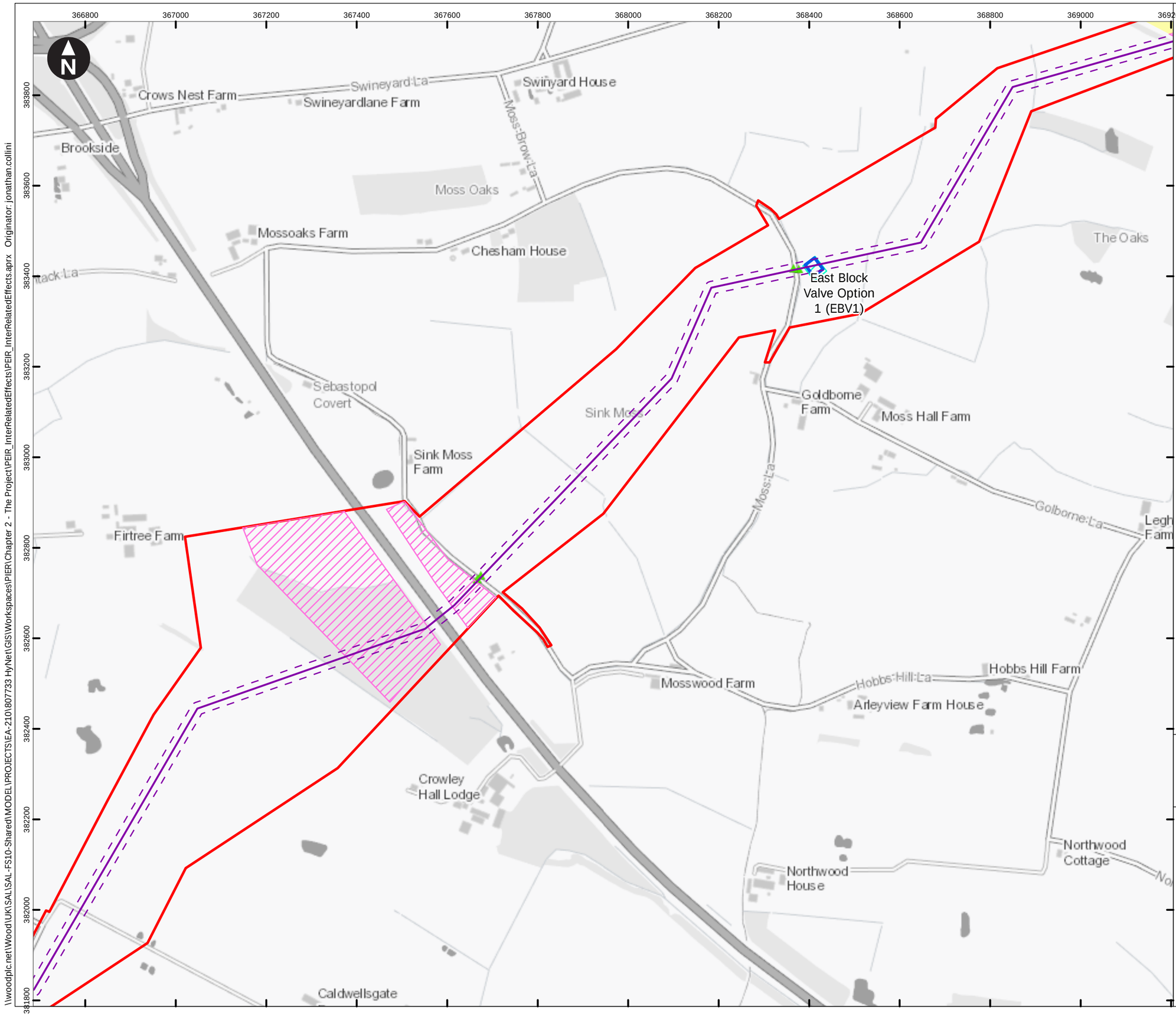
Figure 2.1
Project Overview
East Corridor
Sheet: 27 of 41

Note: features shown on these plans are indicative

September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini



\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

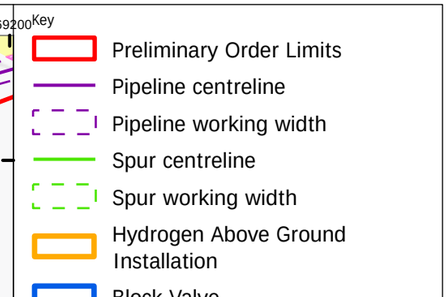
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
East Corridor
Sheet: 28 of 41

Note: features shown on these plans are indicative

September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

368600 368800 369000 369200 369400 369600 369800 370000 370200 370400 370600 370800 371000

385600 385400 385200 385000 384800 384600 384400 384200 384000 383800 383600

N

1-Cornheyes Cottage
Deansgreen
Beechtree La
M56
Hawthorn Cottage
Endfield Farm
Beech Tree Farm
Beech Tree Farm Cl
Abbey Leys Farm
Lindow La
Crossroads Farm
Boundary Farm
Broad Oak
Peter's Covert
Hey Wood
Mag La
Strip
Heywood Court
Mag Lane Farm
Crabtree La
Lilac Farm
Newpen Farm
Newpen Brow
Westlane Farm
Sworton Heath
Croft Farm
East Block Valve Option 3 (EBV3)
East Block Valve Option 2 (EBV2)
A50
B5159
Woodlands Cres
Ditchfield's Covert
The Oaks
High Legh Park
West La
The Ave
Egerton
Surridge
Cleeve
High Legh
Park Belt
Broadoak La
Parkgate Farm
Pheasant Walk
Arley Dr
North Dr
Somerville Cl
Carnelian Way
Whiston Cl
Wrenshot

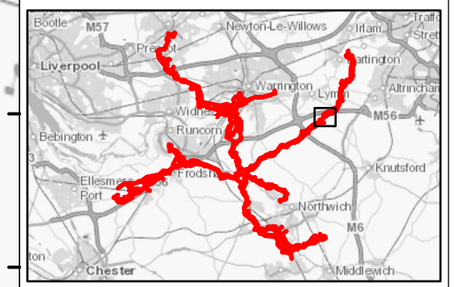
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

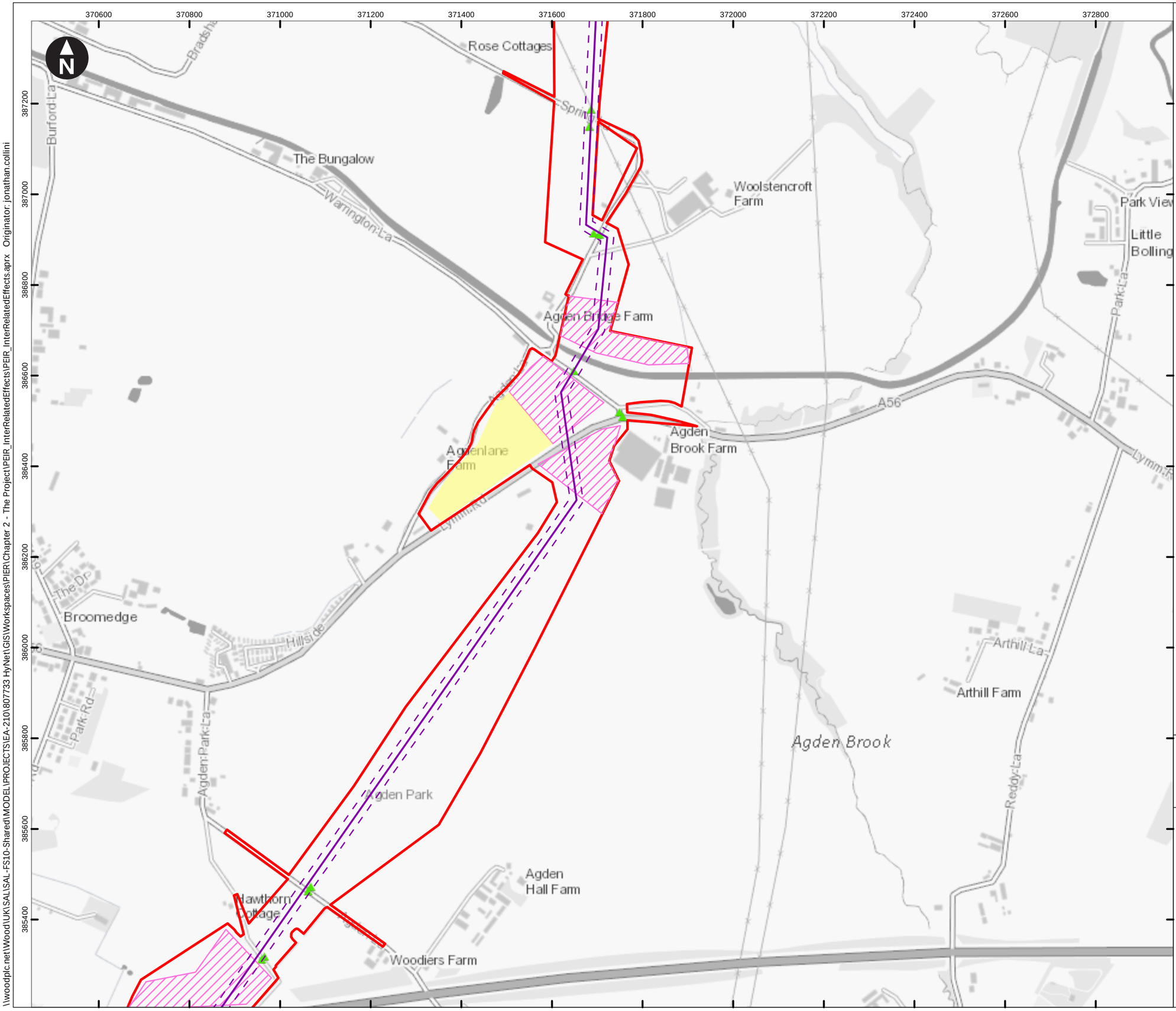
HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
East Corridor
Sheet: 29 of 41

Note: features shown on these plans are indicative

September 2022

wood.



Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

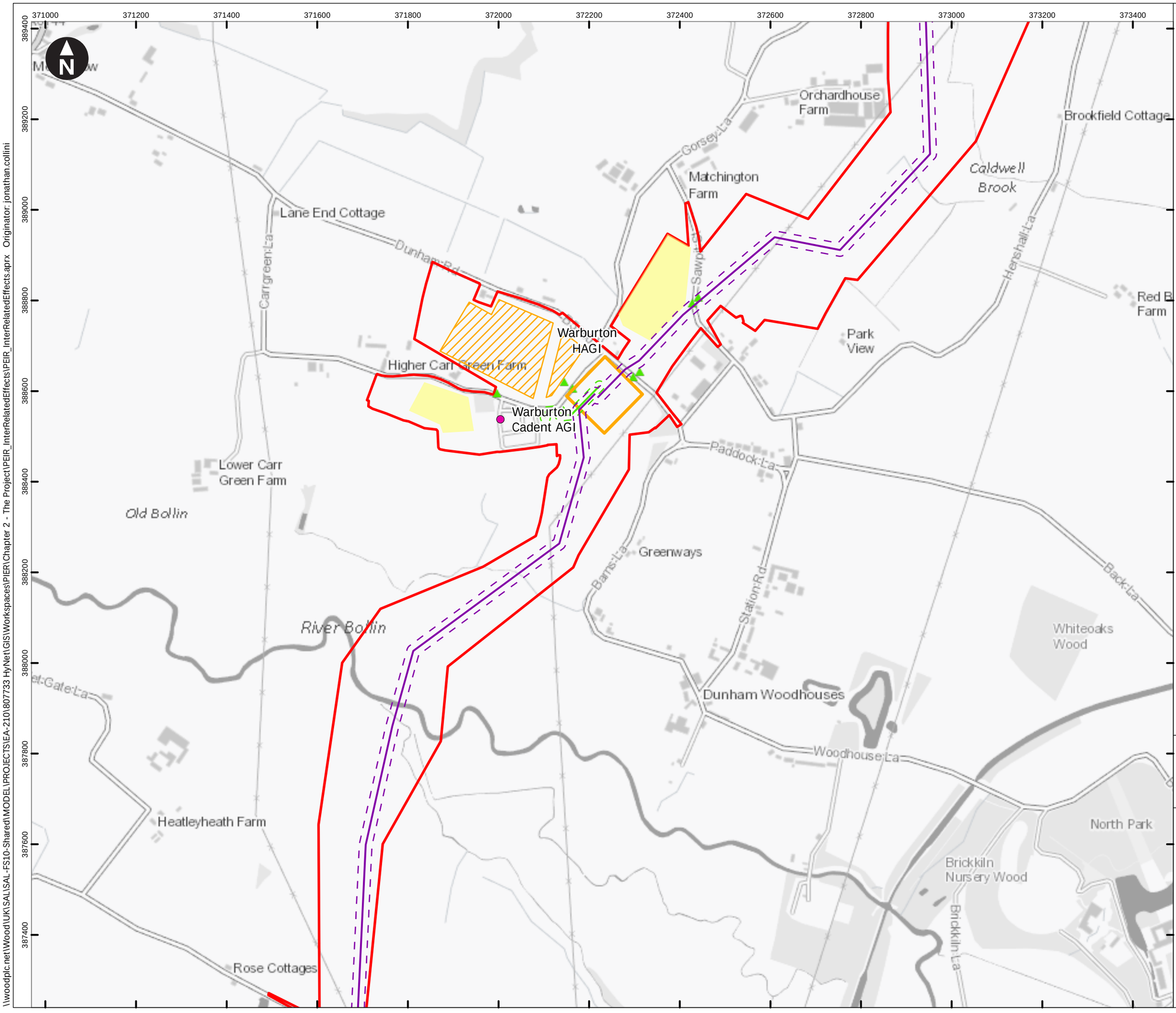
Figure 2.1
Project Overview
East Corridor
Sheet: 30 of 41

Note: features shown on these plans are indicative

September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini



\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-2101807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.

0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

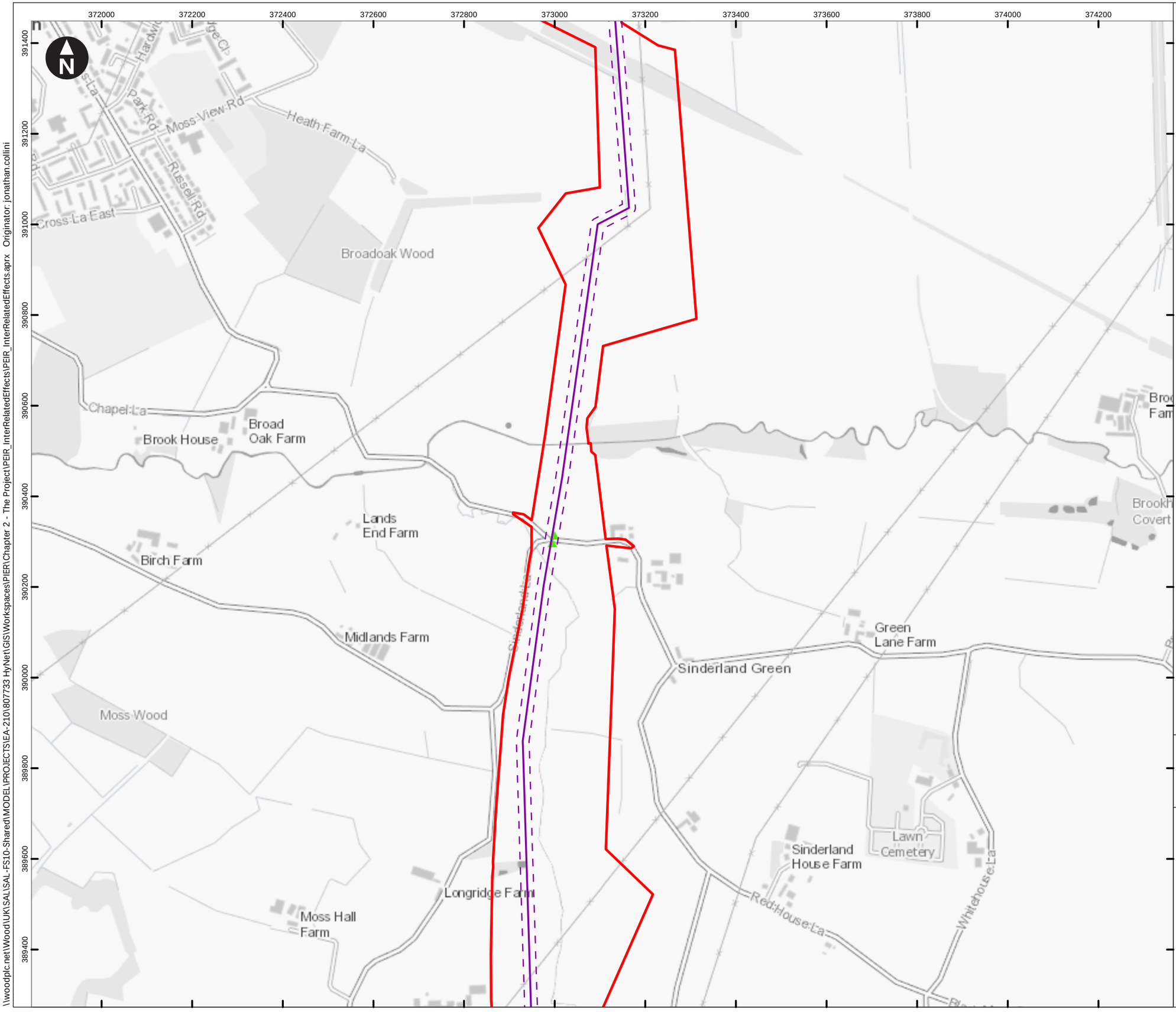
HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
East Corridor & Warburton Spur
Sheet: 31 of 41

Note: features shown on these plans are indicative

September 2022

wood.



\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-2101807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

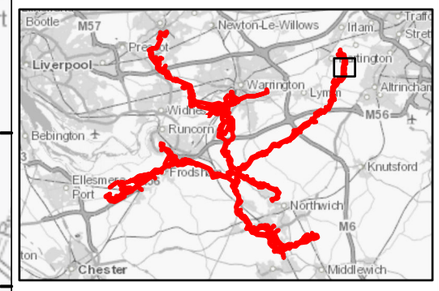
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

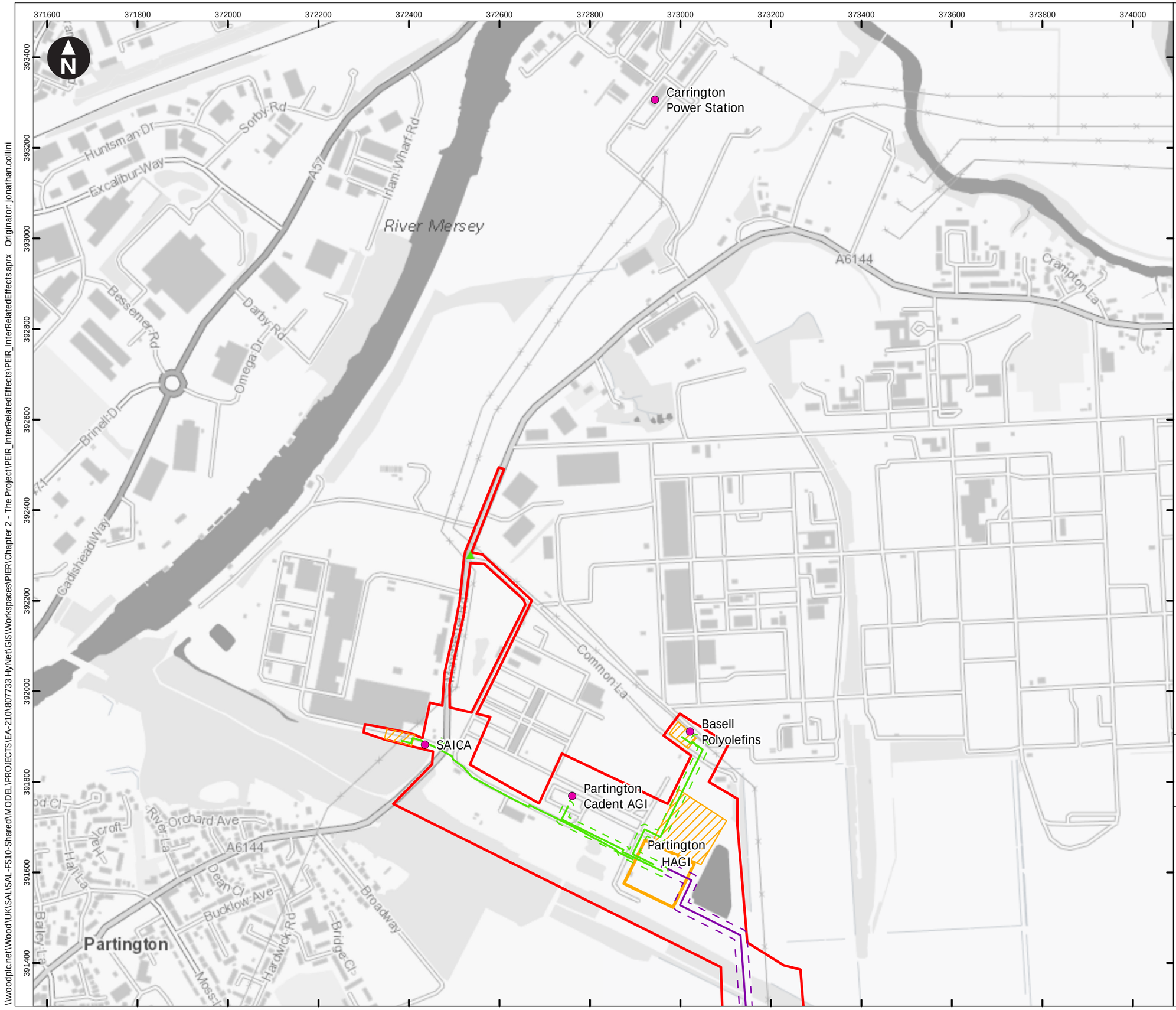
HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
East Corridor
Sheet: 32 of 41

Note: features shown on these plans are indicative

September 2022

wood.



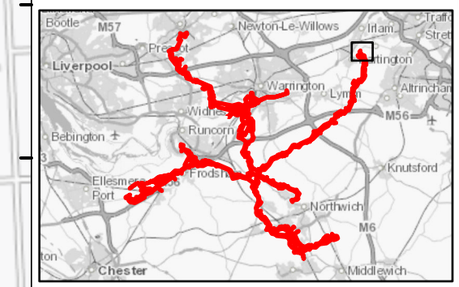
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

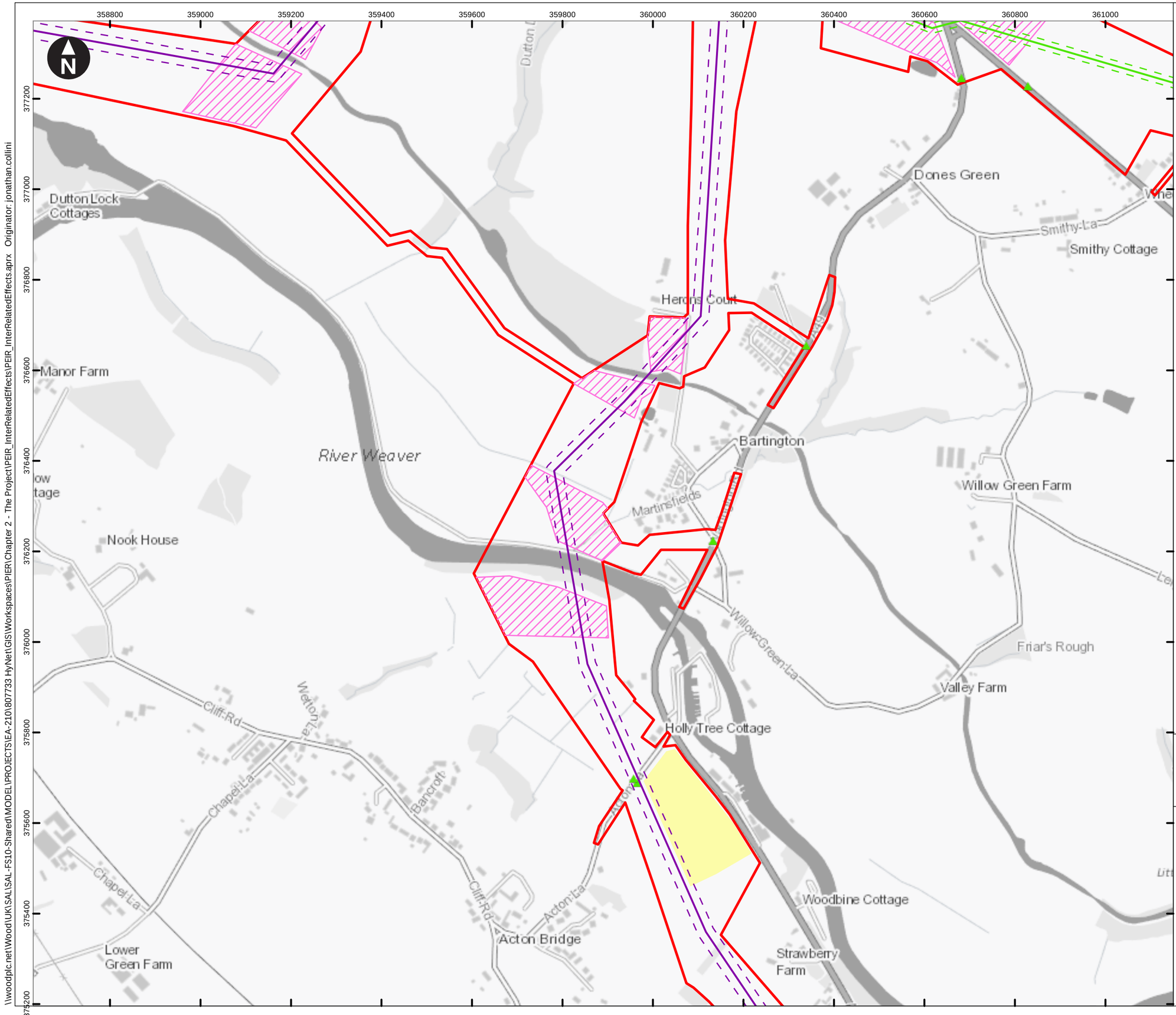
Figure 2.1
Project Overview
East Corridor & Partington Spur
Sheet: 33 of 41

Note: features shown on these plans are indicative

September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini



\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

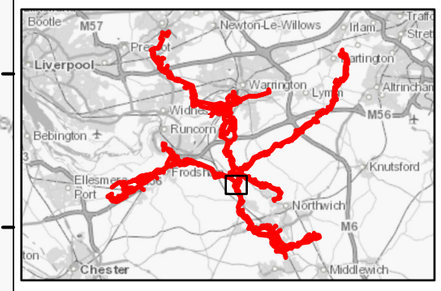
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

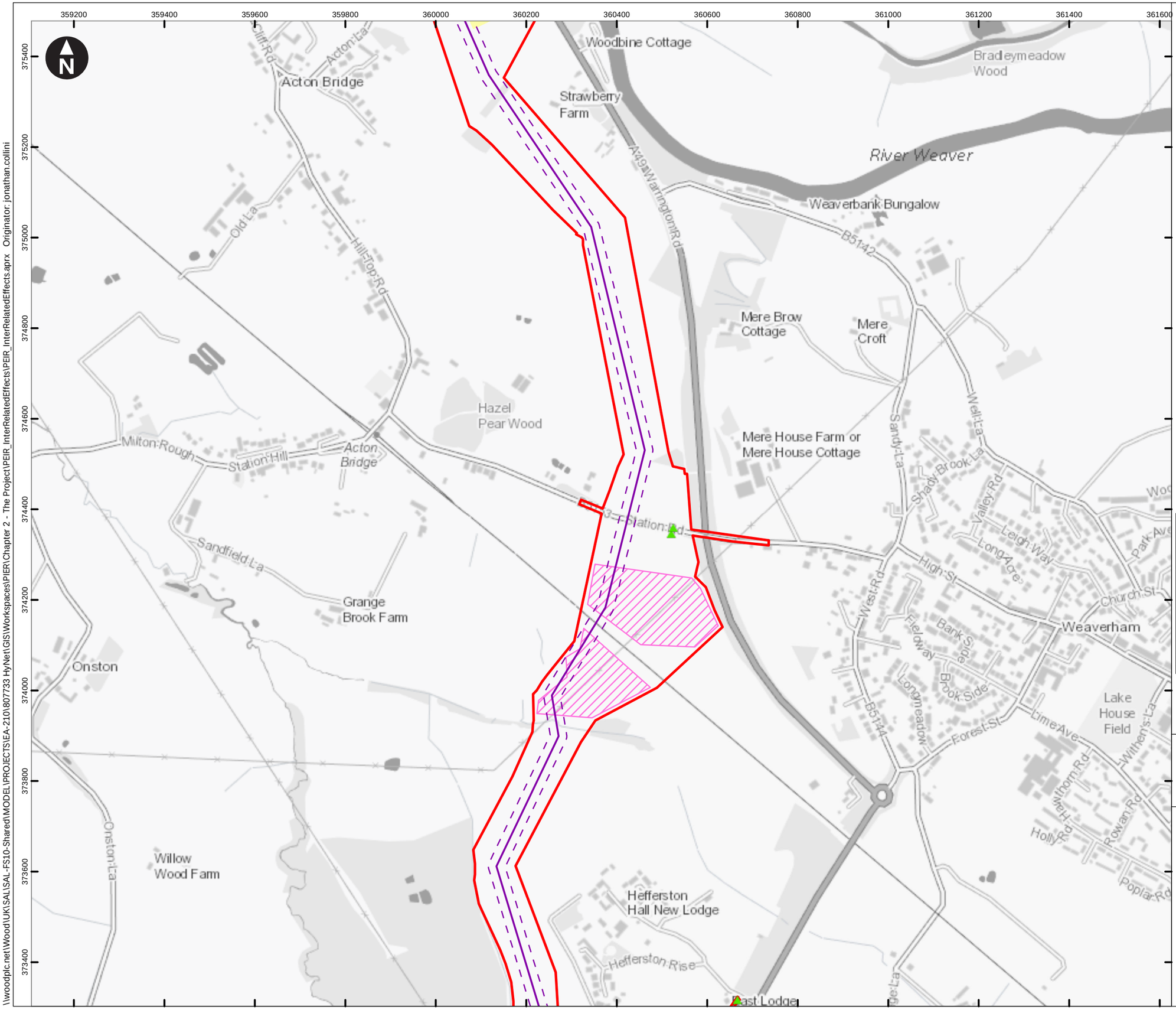
HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
South Corridor
Sheet: 34 of 41

Note: features shown on these plans are indicative

September 2022

wood.



\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

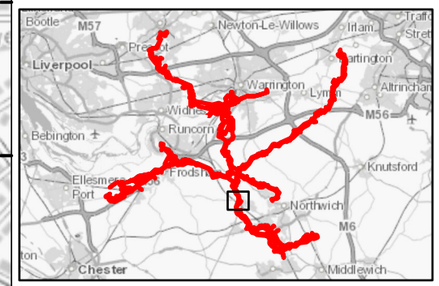
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

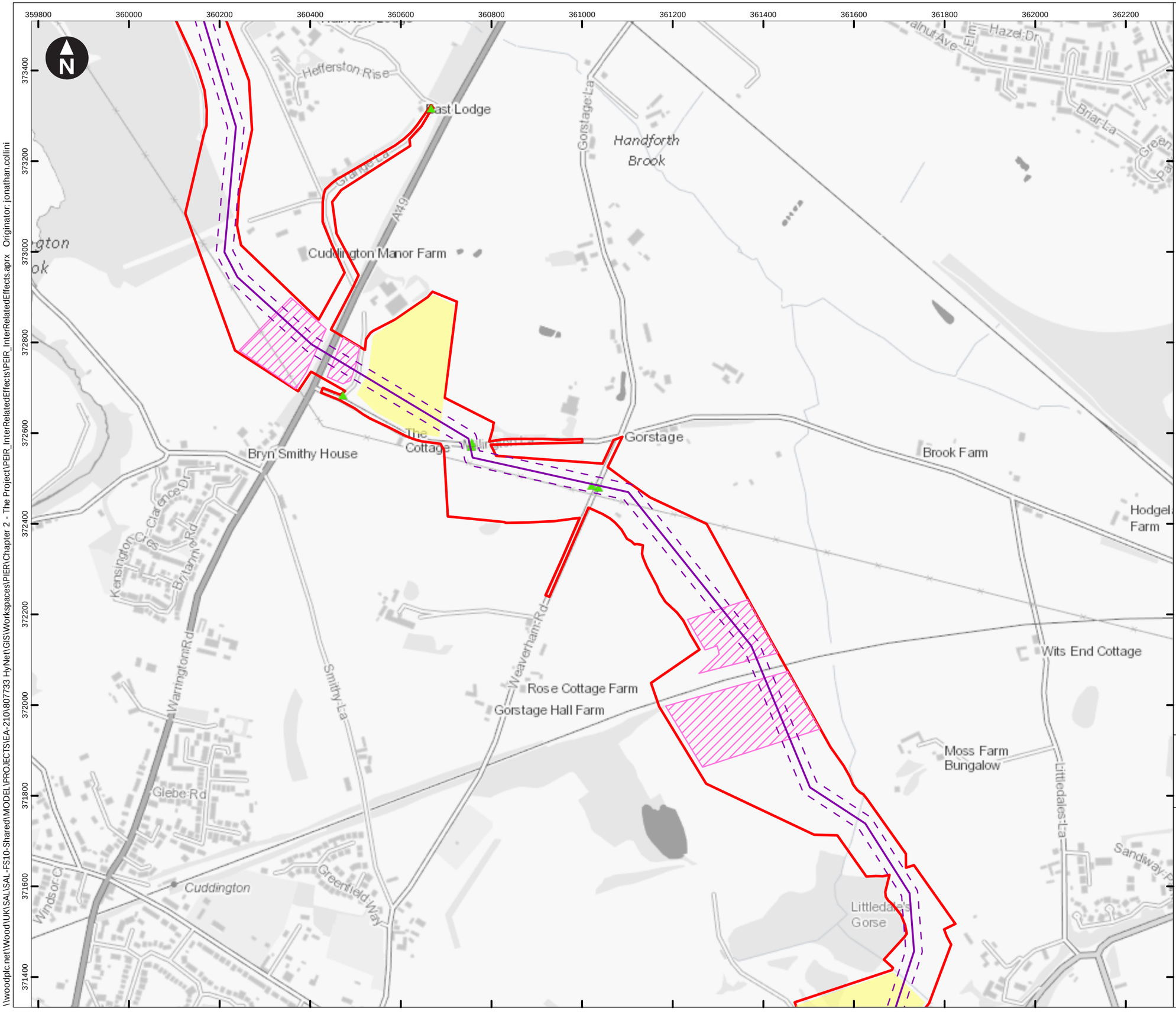
HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
South Corridor
Sheet: 35 of 41

Note: features shown on these plans are indicative

September 2022

wood.



OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

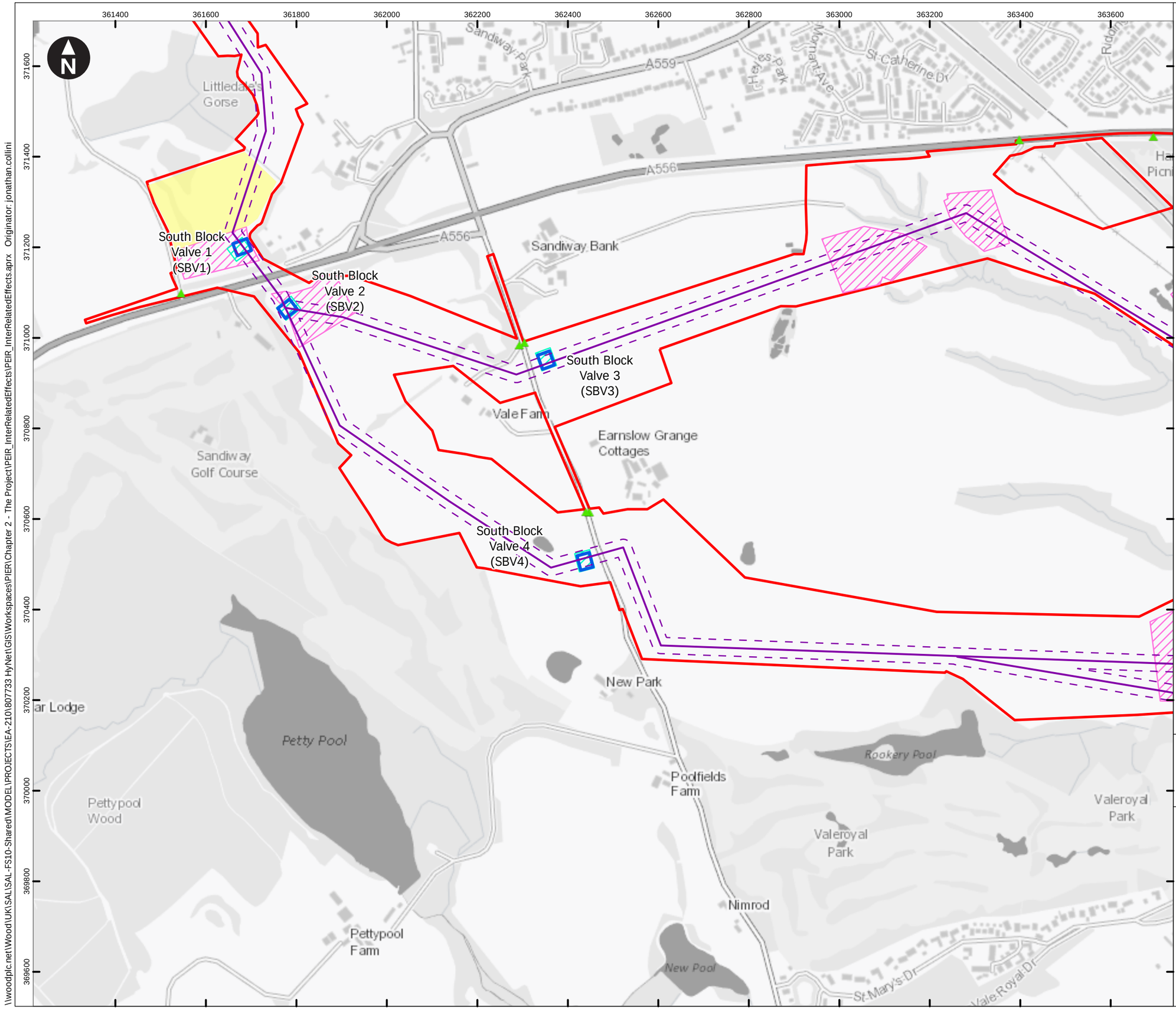
Figure 2.1
Project Overview
South Corridor
Sheet: 36 of 41

Note: features shown on these plans are indicative

September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini



\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

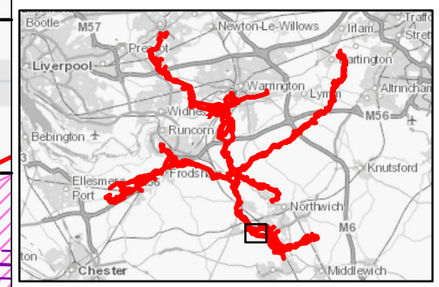
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

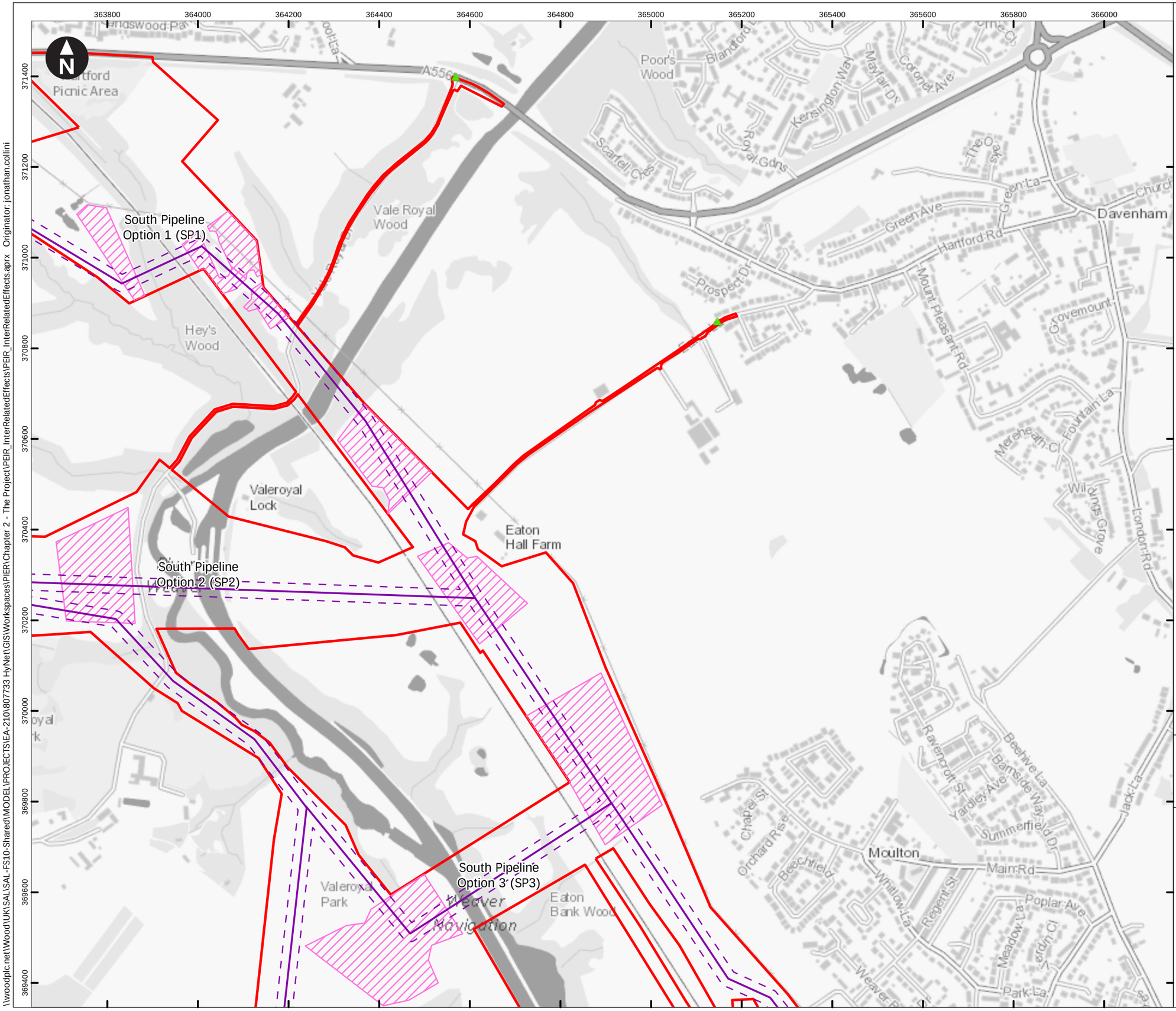
HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
South Corridor
Sheet: 37 of 41

Note: features shown on these plans are indicative

September 2022

wood.



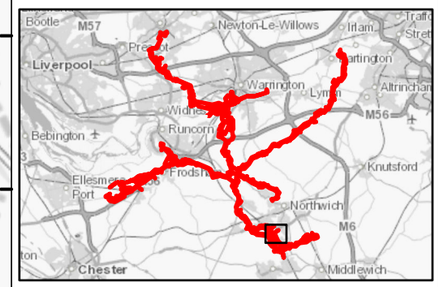
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

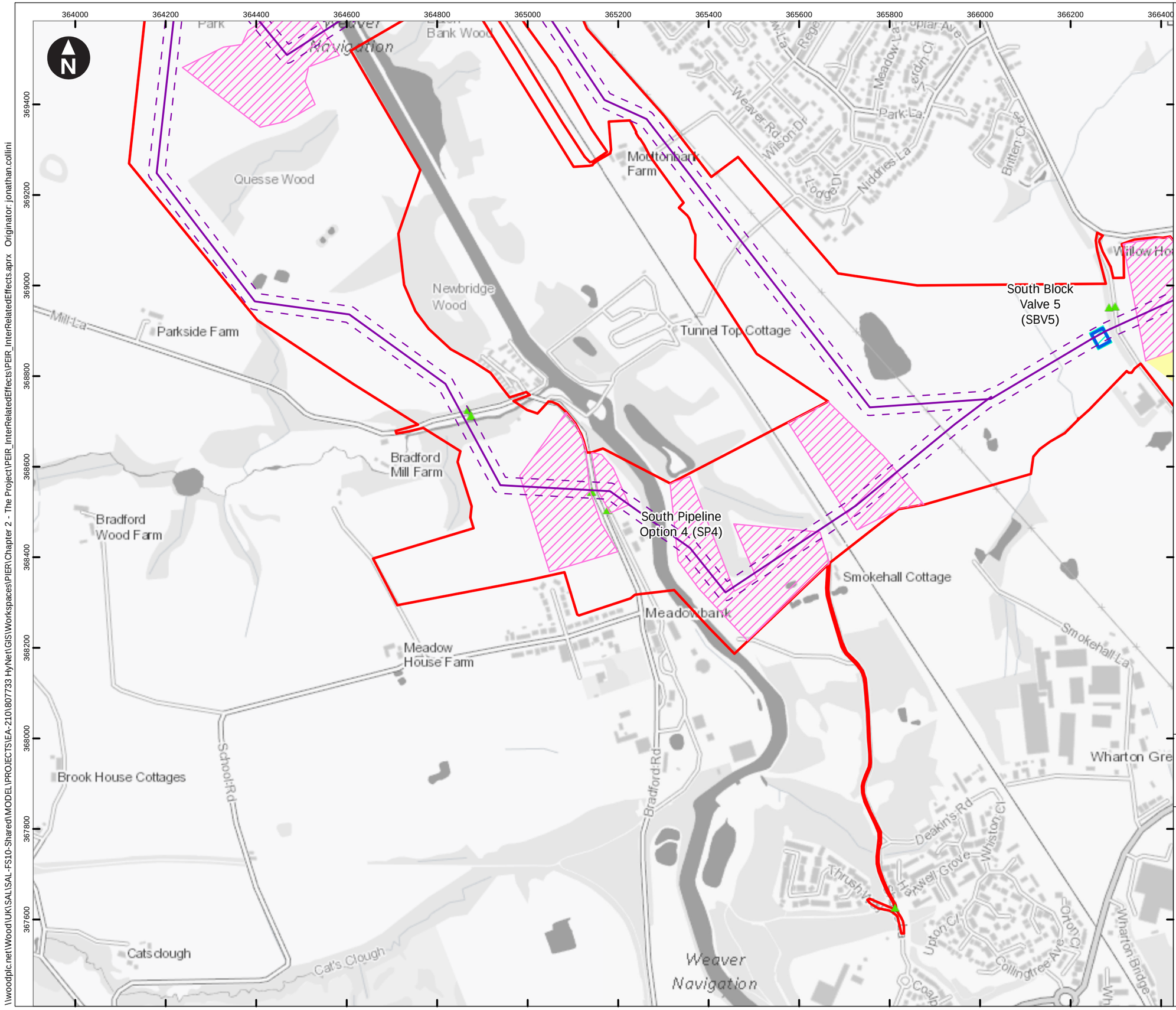
Figure 2.1
Project Overview
South Corridor
Sheet: 38 of 41

Note: features shown on these plans are indicative

September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini



\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\8077733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

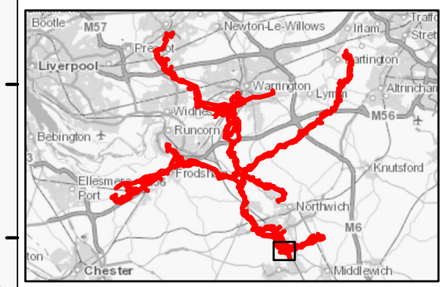
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

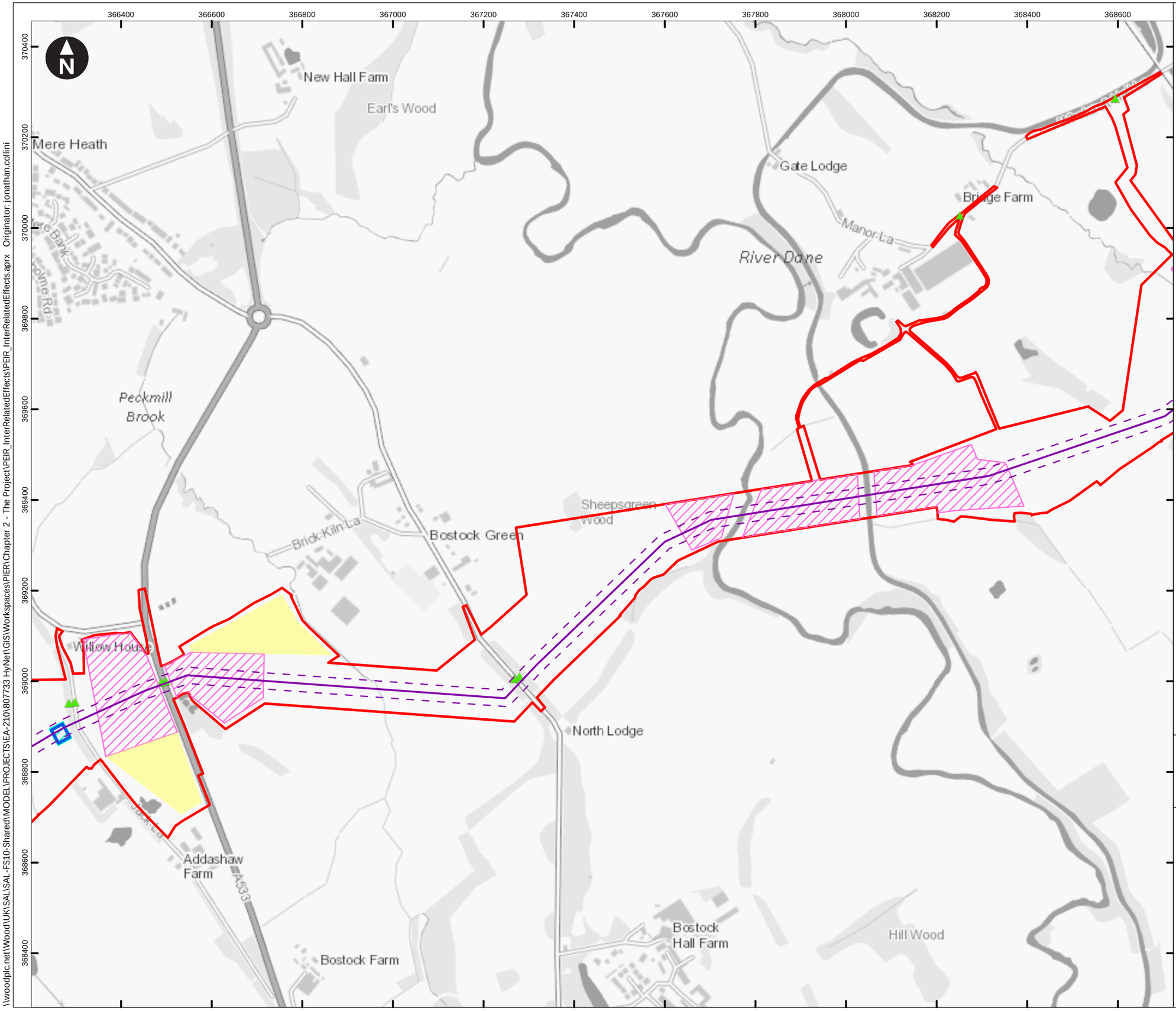
HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
South Corridor
Sheet: 39 of 41

Note: features shown on these plans are indicative

September 2022

wood.



\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

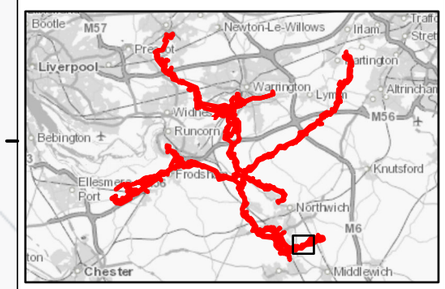
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
South Corridor
Sheet: 40 of 41

Note: features shown on these plans are indicative

September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\8077733 HyNet\GIS\Workspaces\PIER\Chapter 2 - The Project\PEIR_InterRelatedEffects\PEIR_InterRelatedEffects.aprx Originator: jonathan.collini

368200 368400 368600 368800 369000 369200 369400 369600 369800 370000 370200 370400 370600

371200 371000 370800 370600 370400 370200 370000 369800 369600 369400 369200

N

Farm
Kingstreet Farm
Newall Farm
Boundary Farm
Lane Ends Bungalow
A530
Drakelow Farm
Drakelow Ha
Bridge Farm
Hydrogen Storage Facility HAGI
Puddinglake Brook
Halfway House
Brownhaye Farm
Yewtree House

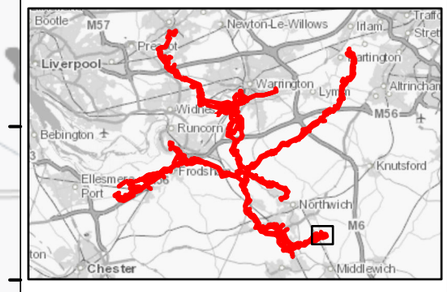
Key

- Preliminary Order Limits
- Pipeline centreline
- Pipeline working width
- Spur centreline
- Spur working width
- Hydrogen Above Ground Installation
- Block Valve
- Temporary construction compound
- Block valve temporary compound
- Trenchless crossing compound
- Material storage area
- Customer

Access point

- Construction Access (Light Vehicles & Heavy Goods Vehicles)
- Light Construction Access (Light Vehicles Only)

Note: Spurs that do not show a working width will be works within the highway.



0 100 200 300 400 m

Scale at A3: 1:8,000

OS Open Greyscale: Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.1
Project Overview
South Corridor
Sheet: 41 of 41

Note: features shown on these plans are indicative

September 2022

wood.

346000 348000 350000 352000 354000 356000 358000 360000

384000 382000 380000 378000 376000 374000 372000

Key

Preliminary Order Limits

Local Authority boundary

Public Rights of Way

Halton

East Cheshire

Warrington

Trafford

West Cheshire

St Helens

Inset scale - 1:750,000

0 500 1,000 1,500 2,000 2,500 m

Scale at A3: 1:50,000

Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

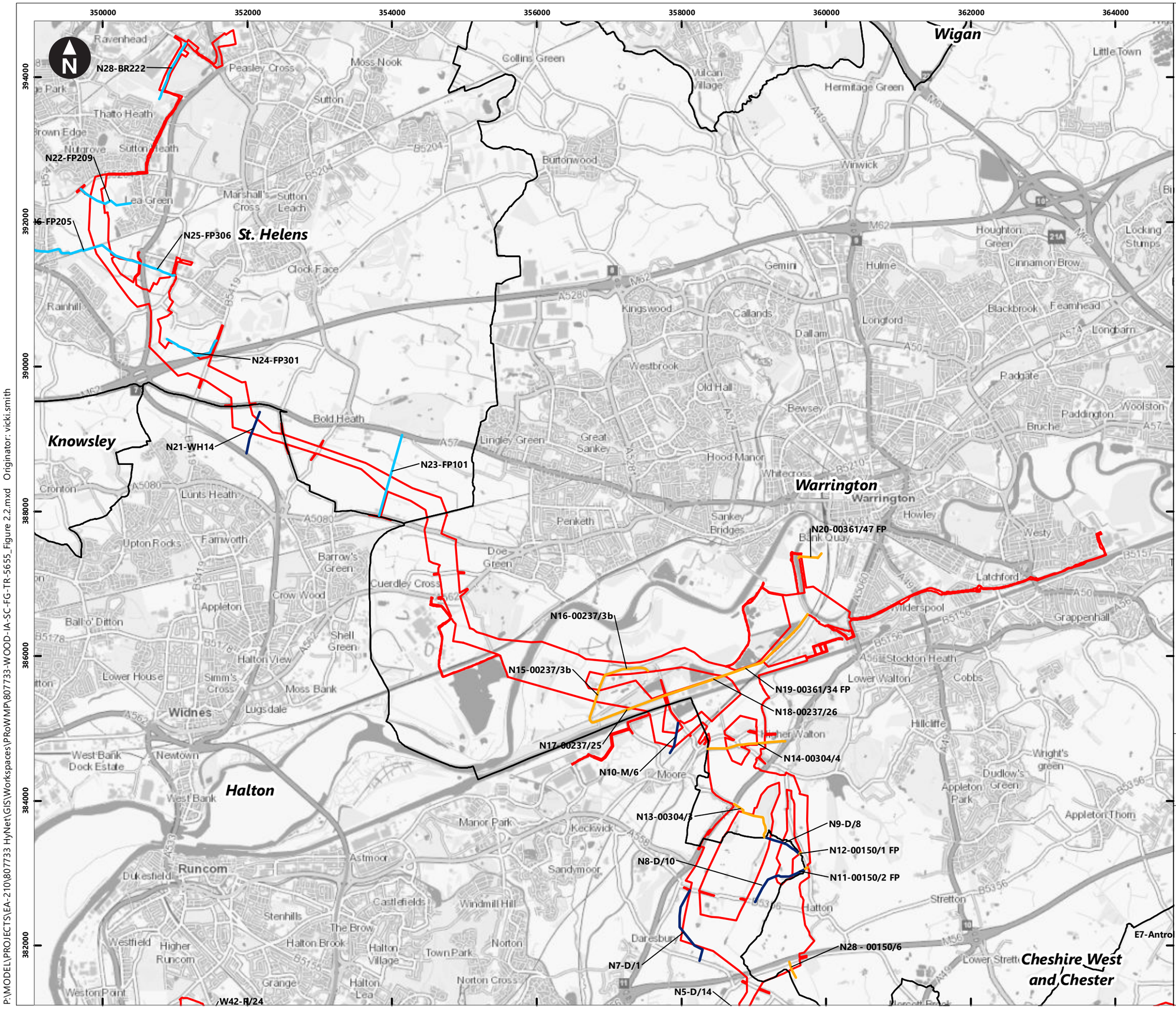
Figure 2.2
PRoW Affected by the Project West

September 2022

wood.

807733-WOOD-IA-SC-FG-TR-5655_Figure 2.2

P:\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PRoWMP\807733-WOOD-IA-SC-FG-TR-5655_Figure 2.2.mxd Originator: vicki.smith



Key

- Preliminary Order Limits
- Local Authority boundary

Public Rights of Way

- Halton
- East Cheshire
- Warrington
- Trafford
- West Cheshire
- St Helens

0 500 1,000 1,500 2,000 2,500 m

Scale at A3: 1:50,000

Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.2
PRoW Affected by the Project
North

September 2022

wood.

807733-WOOD-IA-SC-FG-TR-5655_Figure 2.2

P:\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PRoWMP\807733-WOOD-IA-SC-FG-TR-5655_Figure 2.2.mxd Originator: vicki.smith

P:\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PRoWMP\807733-WOOD-IA-SC-FG-TR-5655_Figure 2.2.mxd Originator: vicki.smith

362000 364000 366000 368000 370000 372000 374000 376000

392000 390000 388000 386000 384000 382000 380000

N

Salford
Partington
Trafford
Broadheath
Warrington
Lymm
Altrincham
Bowdon
Cheshire East
Cheshire West and Chester
Rostherne
Mere
Tatton Dale
Dunham Town
Oldfield Brow
Dunham Woodhouses
Warburton
Mossbrow
Sinderland Green
Hollinfare
Hollins Green
Lane End
Glazebrook
Rushgreen
Oughtrington
Statham
Booths Hill
Church Green
Thelwall
Latchford
Grappenhall
Westy
Padgate
Paddington
Bruche
Woolston
Grange
Martinscroft
Longbarn
Blackbrook
Featherhead
Houghton Green
Cinnamon Brow
Birchwood
Birchwood Park
Birchwood Centre
Oakwood
Locking Stumps
Risley
Gorse Covert
Heatley
Little Bowdon
Rosehill
Bowdon Green
Booth Bank
Dean Green
Broomedge
Arley Green
Over Tabley
Bucklow Hill
Hoo Green
Tatton Dale
Mere
Rostherne
Sworton Heath
High Legh
Appleton Thorn
Appleton Park
Dudlow's Green
Wright's green
Hillcliffe
Cobbs
Lower Stretton
Stretton
Higher Whitley
Antrobus
Frandley
Feldy
Shaw Heath
Ashley
Liverpool
Warrington
Northwich
Chester

E21-Carrington:24
E20 -Dunham:15
E19-Dunham:14
E18-Warburton:5
E17-Dunham:8
E16-Agden FP6
E15-Agden FP9
E14-Agden FP1
E13-Agden FP3
E12-High Legh FP10
E10-High Legh FP7
E11-High Legh FP12
E9-Aston By Budworth FP40
E7-Antrobus FP11
E8-Antrobus FP12
E6-Antrobus FP14
E5-Antrobus BR17
E4-Whitley BR6

Inset scale - 1:750,000

Key

Preliminary Order Limits
Local Authority boundary

Public Rights of Way

Halton
East Cheshire
Warrington
Trafford
West Cheshire
St Helens

0 500 1,000 1,500 2,000 2,500 m
Scale at A3: 1:50,000

Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure 2.2
PRoW Affected by the Project
East

September 2022

wood.

807733-WOOD-IA-SC-FG-TR-5655_Figure 2.2

358000 360000 362000 364000 366000 368000 370000 372000

380000 378000 376000 374000 372000 370000 368000

N

Halton
Warrington
Cheshire West and Chester
Cheshire East

N5-D/14
N4-Dutton FP6
N6-PB/6
N3-Dutton FP5
N1-Dutton FP9
N2-Dutton FP8
E8-Antrobus FP12
E6-Antrobus FP14
E5-Antrobus BR17
E4-Whitley BR6
E3-Whitley FP7
E2-Whitley FP8
E1-Whitley FP9
W39-Dutton BR15
W38-Dutton BR11
W37-Dutton BR22
S26-Dutton FP17
S27-Little Leigh FP14
S28-Little Leigh FP11
S30-Barnton FP6
S2-Dutton BR13
S1-Dutton BR11
S3-Little Leigh BR15
S4-Acton Bridge FP19
S5-Acton Bridge FP20
S12-Action Bridge FP24
S6-Action Bridge FP1
S31-Barnton FP7
S32-Anderton with Marbury FP4
S33-Anderton with Marbury FP4
S34-Andserton and Marbury FP5
S7-Action Bridge FP2
S8-Weaverham FP20
S10-Weaverham FP29
S9-Weaverham FP19
S11-101/RB3/1
S16-Hartford FP2
S15-Whitegate and Marton FP7
S14-Whitegate and Marton FP45
S13-Whitegate and Marton FP5
S29-Whitegate and Marton FP6
S17-Daverham FP1
S20-106/RB4/1
S22-106/RB5/1
S19-Davenham FP3
S18-Moulton FP1X
S23-218/RB10/1
S24-Bostock FP3
S25-Daverham FP6
S21-218/RB9/(1/2/3)

Arley Green
Higher Whitley
Antrobus
Frandley
Lower Whitley
Gibb Hill
Budworth Heath
Moss End
Bate Heath
Feldy
Great Budworth
Comberbach
Pickmere
Higher Marston
Higher Wincham
Jones Green
Barrington
Little Leigh
Anderton
Marston
Lostock Gralam
Northwich
Lostock Green
Winnington
Weaverham
Onston
Crowton
Ruloe
Norley
Cuddington
Stonyford
Sandiway
Crabtree Green
Oakmere
Dalefords
Whitegate
Nova Scotia
Foxwist Green
Marton
Hartfordbeach
Greenbank
Hartford
Leftwich
Kingsmead
Davenham
Mere Heath
Rudheath
Broken Cross
Higher Shurlach
Lach Dennis
Yatehouse Green
Meadowbank
Wharton Green
Liverpool
Warrington
Chester

A49 A556 A559 A533 A530 A54 B5153 B5152 B5391 B5082

Key

Preliminary Order Limits
Local Authority boundary

Public Rights of Way

Halton
East Cheshire
Warrington
Trafford
West Cheshire
St Helens

Inset scale - 1:750,000

0 500 1,000 1,500 2,000 2,500 m
Scale at A3: 1:50,000

Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

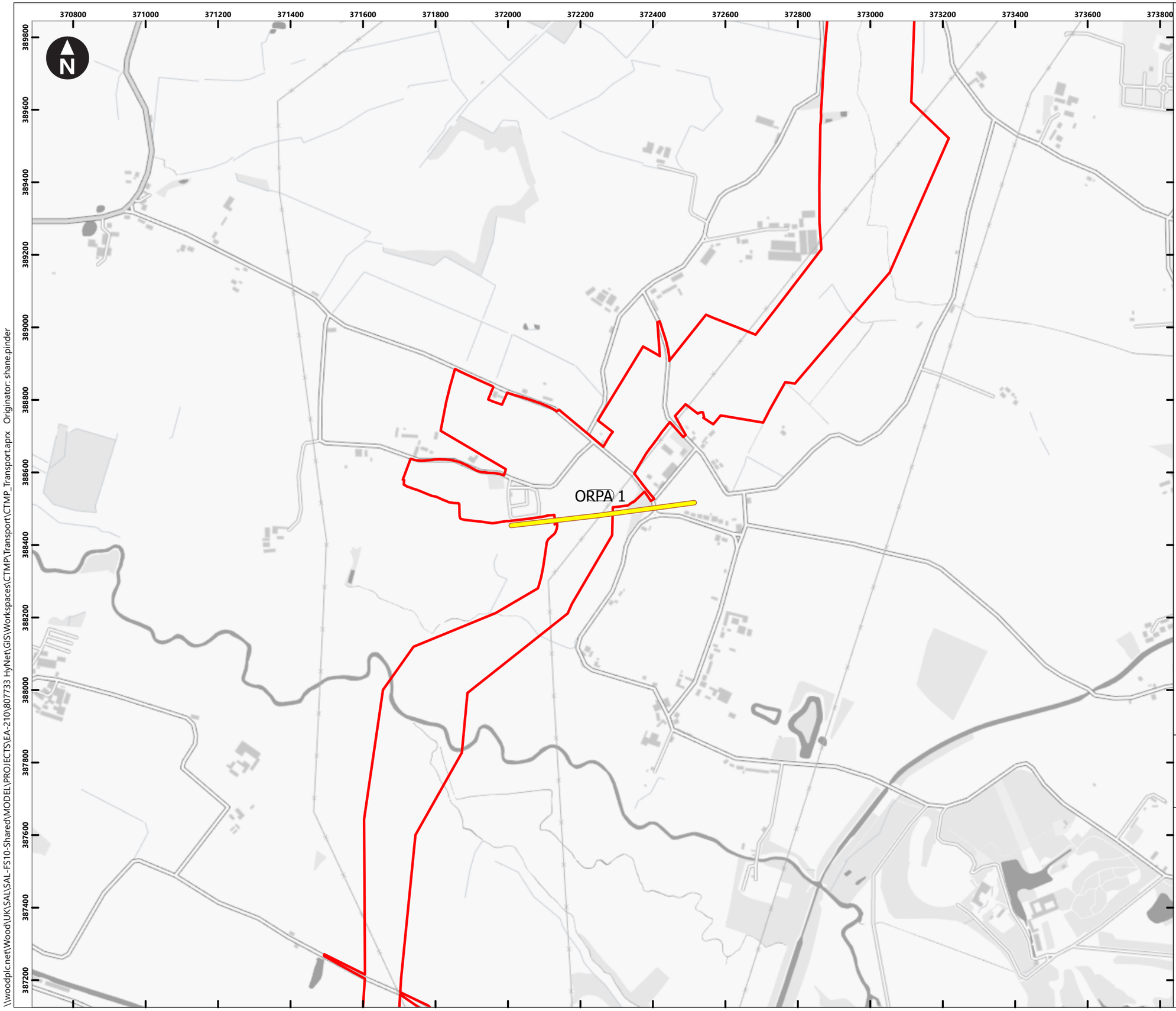
Figure 2.2
PRoW Affected by the Project
South

September 2022

wood.

807733-WOOD-IA-SC-FG-TR-5655_Figure 2.2

P:\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\PRoWMP\807733-WOOD-IA-SC-FG-TR-5655_Figure 2.2.mxd Originator: vicki.smith



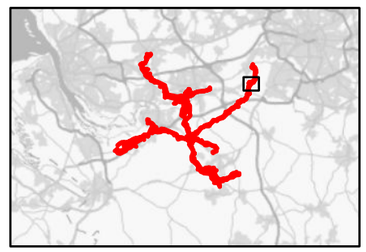
\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\CTMP\Transport\CTMP_Transport.aprx Originator: shane.pinder

Key

Red line boundary

Name

ORPA 1



0 0.1 0.2 0.3 0.4 Kilometers

Scale at A3: 1:10,000

OS Open Greyscale (no labels): Contains OS data © Crown Copyright and database right 2020

Client

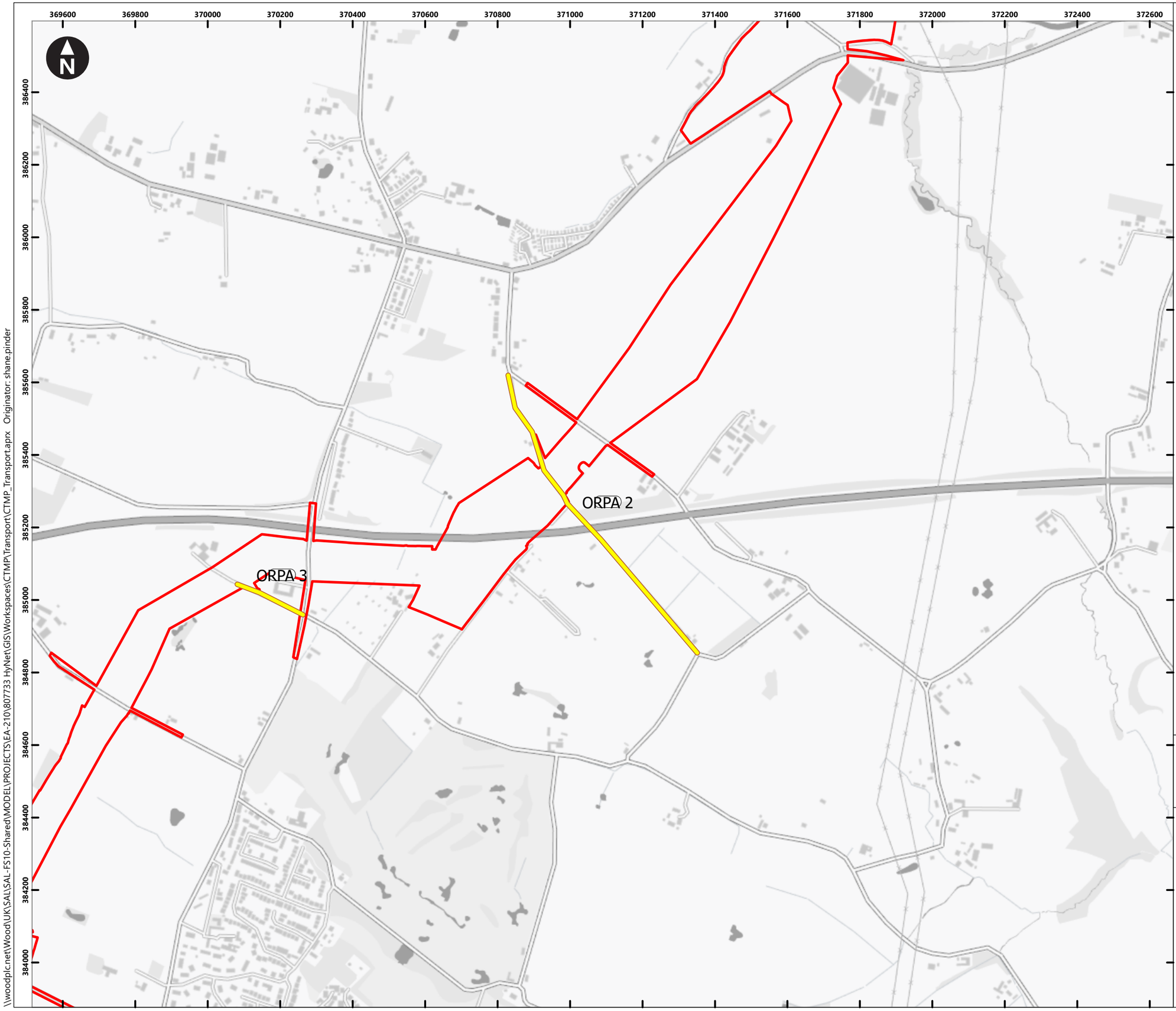
wood. | Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan
Chapter 2 - Traffic and Transport

Figure Number 2.3
Other Route with Public Access affected by the project

September 2022

wood.



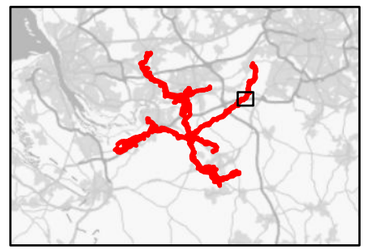
Key

Red line boundary

Name

ORPA 2

ORPA 3



0 0.1 0.2 0.3 0.4 Kilometers

Scale at A3: 1:10,000

OS Open Greyscale (no labels): Contains OS data © Crown Copyright and database right 2020

Client

wood. Cadent

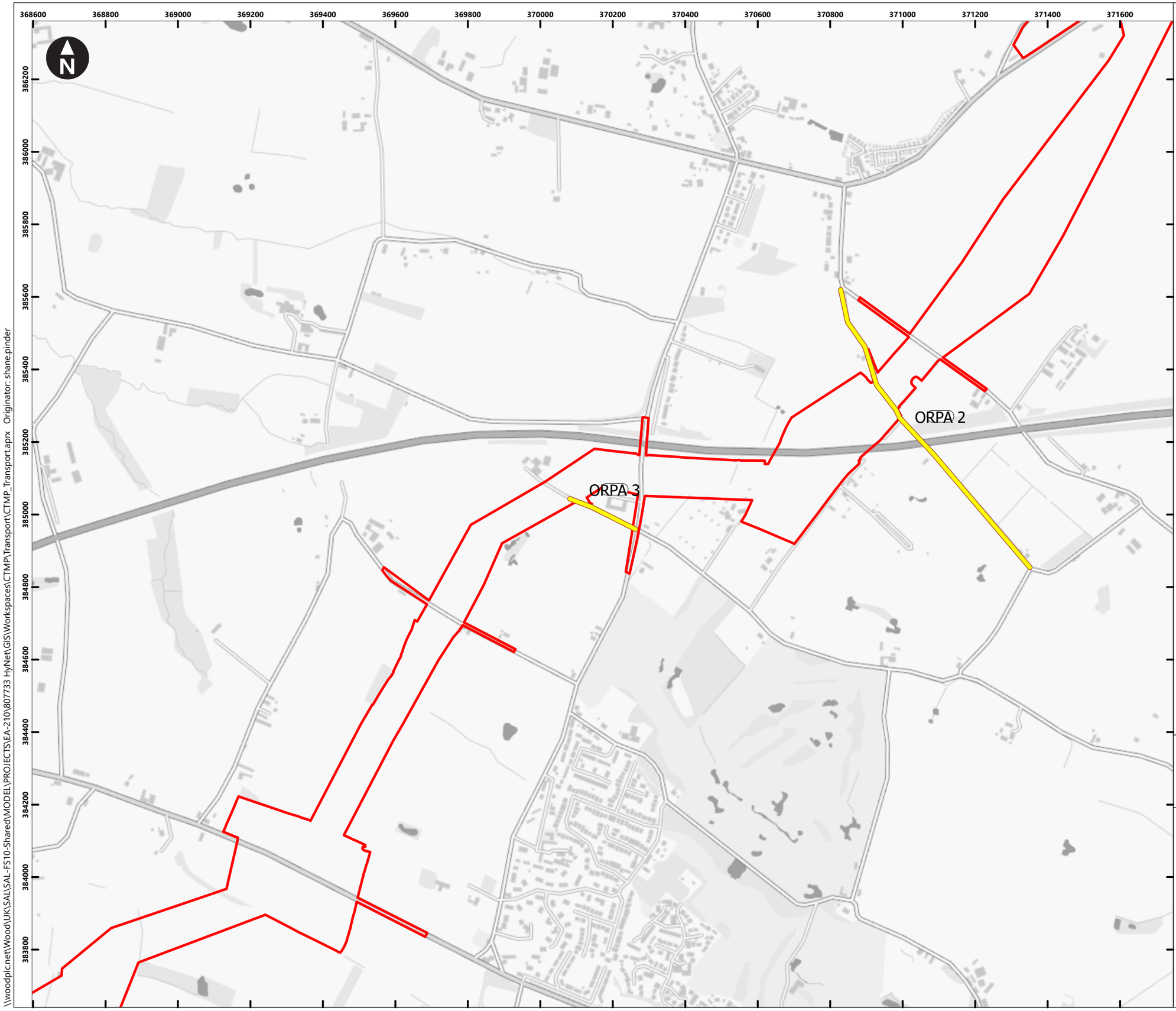
HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan
Chapter 2 - Traffic and Transport

Figure Number 2.3
Other Route with Public Access affected by the project

September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\CTMP\Transport\CTMP_Transport.aprx Originator: shane.pinder



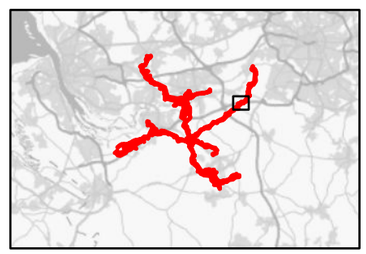
Key

Red line boundary

Name

ORPA 2

ORPA 3



0 0.1 0.2 0.3 0.4 Kilometers

Scale at A3: 1:10,000

OS Open Greyscale (no labels): Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

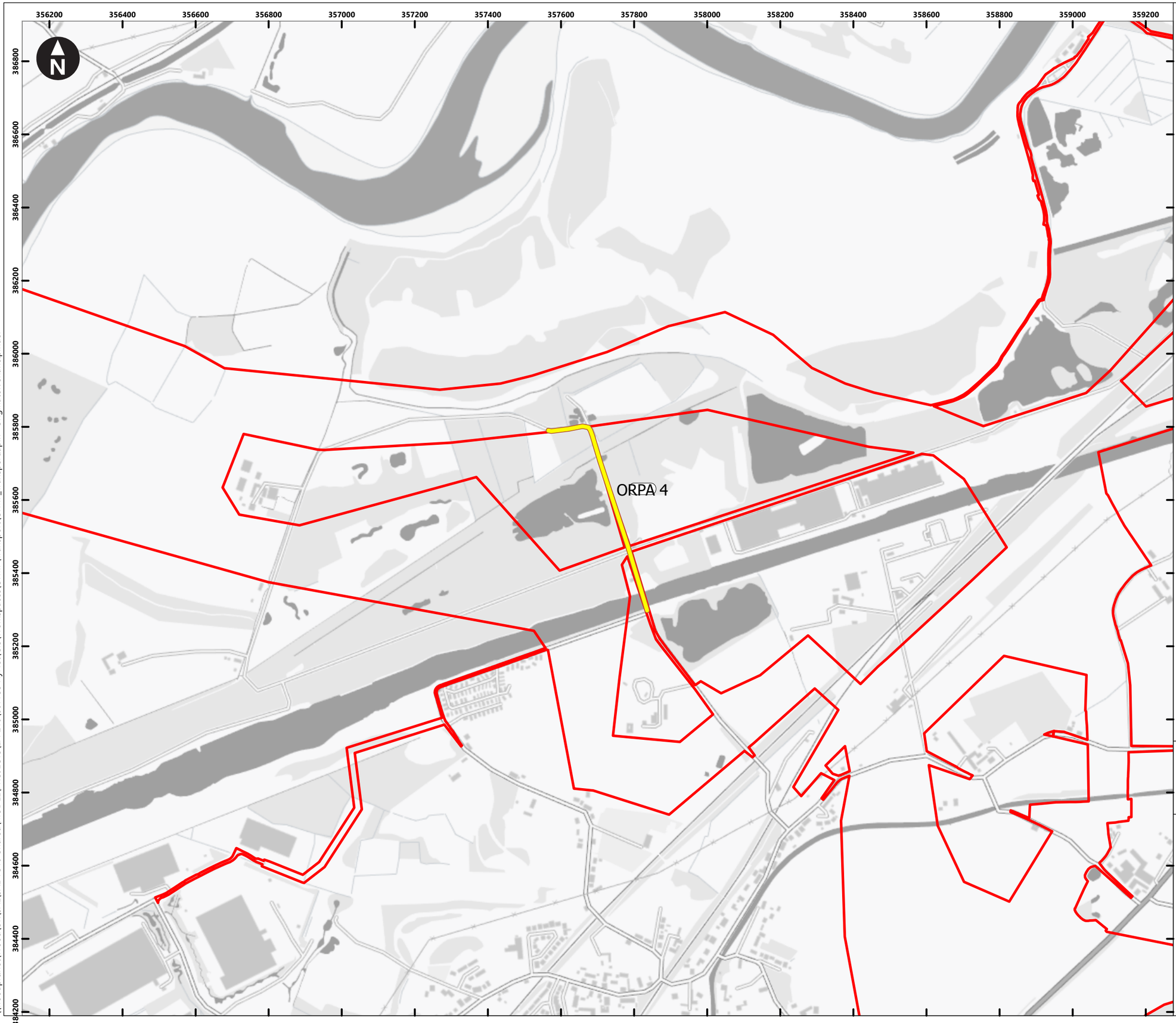
HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan
Chapter 2 - Traffic and Transport

Figure Number 2.3
Other Route with Public Access affected by the project

September 2022

wood.

\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\CTMP\Transport\CTMP_Transport.aprx Originator: shane.pinder



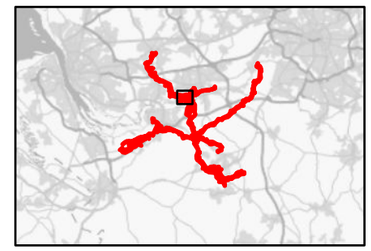
\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\CTMP\Transport\CTMP_Transport.aprx Originator: shane.pinder

Key

Red line boundary

Name

ORPA 4



0 0.1 0.2 0.3 0.4 Kilometers

Scale at A3: 1:10,000

OS Open Greyscale (no labels): Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan
Chapter 2 - Traffic and Transport

Figure Number 2.3
Other Route with Public Access affected by the project

September 2022

wood.



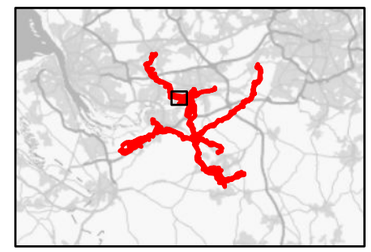
\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\CTMP\Transport\CTMP_Transport.aprx Originator: shane.pinder

Key

Red line boundary

Name

Moss Side



0 0.1 0.2 0.3 0.4 Kilometers

Scale at A3: 1:10,000

OS Open Greyscale (no labels): Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure Number 2.4
Open Access Land

September 2022

wood.



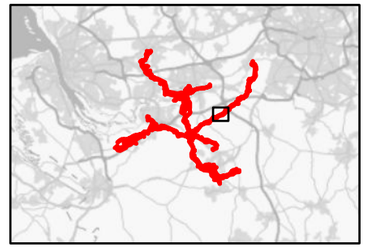
\\woodplc.net\Wood\UK\SAL\SAL-FS10-Shared\MODEL\PROJECTS\EA-210\807733 HyNet\GIS\Workspaces\CTMP\Transport\CTMP_Transport.aprx Originator: shane.pinder

Key

Red line boundary

Name

Park Moss



0 0.1 0.2 0.3 0.4 Kilometers

Scale at A3: 1:10,000

OS Open Greyscale (no labels): Contains OS data © Crown Copyright and database right 2020

Client

wood. | Cadent

HyNet North West Hydrogen Pipeline Project
Public Rights of Way Management Plan

Figure Number 2.4
Open Access Land

September 2022

wood.

3. Environmental Measures

3.1 Introduction

3.1.1 Having identified the PRoWs, OAL and ORPA that may be affected by the Project (see **Table 2.1** to **Table 2.6**), it is necessary to consider how those impacts can be managed and mitigated, where possible and appropriate.

3.1.2 Based on the information presented **Table 2.1** to **Table 2.6**, management and mitigation measures would be required for the following during construction:

- PRoWs/ORPA crossed by the proposed pipeline;
- PRoWs/ORPA that follow temporary construction access tracks (shared routes);
- PRoW that intersect the Preliminary Order Limits for a short distance;
- PRoWs crossing temporary construction access tracks; and
- PRoW/ORPA that route through material storage area / construction compound areas.

3.1.3 The following section sets out those management and mitigation measures.

3.2 PRoW Temporary Effects Environmental Measures Proposals

Introduction

3.2.1 As set out in **Table 2.1,** some of the PRoWs simply cross into the Preliminary Order Limits for a short distance, while others route along tracks and access roads that are anticipated to be used by construction vehicles. The types of mitigation therefore required would be different depending on the nature of the location of the PRoW and how the Project affects it.

3.2.2 There are several management solutions that would be considered:

- Temporary re-routing of PRoW during construction of the Project;
- Provision of signage and other information alerting the public to construction works;
- Active Management Plan for crossing points for PRoW; and
- Active Management Plan for shared use access routes over the length of interaction with the PRoW.

3.2.3 The Project does not require any permanent PRoW closures or diversions. All mitigation required as part of the PRoW management strategy would therefore be temporary in nature and would be in place only during the construction phase or in some cases a very short period during construction as the works to install the

pipeline are undertaken. Therefore the quality, width, walking time and gradient of the proposed diversion that may be required have not been assessed.

Overarching mitigation

3.2.4 In addition to specific mitigation measures applied at each affected PRoW, the Applicant would inspect affected PRoW routes at the following times:

- prior to construction;
- during the construction phase; and
- following completion of the construction phase.

3.2.5 A detailed on-site audit (including photographs/video) would be undertaken to record the situation at each affected point on the PRoW. This would provide a baseline record to be shared with the relevant highway authority and used for reinstatement works, if necessary, once the construction period has ceased.

3.3 Proposed Management Measures

PRoWs crossed by the pipeline corridor

3.3.1 The PRoWs crossed by open cut method as part of the construction of the pipeline may require a temporary closure and diversion during the construction phase. In reality, and subject to discussion with the appointed contractor, it is anticipated that excavation of the pipeline trench itself would take a number of weeks with several periods of work. This process would be approved though consultation with the local PRoW officers at the six local highways authorities.

3.3.2 Management of PRoW crossings of this working area in the pipeline corridor can be managed in two ways:

- wider PRoW closures and diversions;
- site-specific managed crossings requiring small scale PRoW closures and diversions.

3.3.3 The Applicant would endeavour to minimise PRoW closure durations and proposes that short term temporary closures are implemented for crossings. In the first instance, in locations an alternative route to a nearby PRoW would be agreed where reasonably available and advanced warning notices would be provided to users identifying diversion routes.

3.3.4 Where it is not possible to provide a reasonable alternative using any nearby PRoW, a permissive diversion within the working area would be created. This would facilitate the sequencing of works whilst minimising disruption to the users of the PRoW, which would be closed temporarily and re-opened after each stage of the construction operation where practical. Final reinstatement of the PRoW within the working area would be to a standard equal or better than prior to the construction works. This sequencing avoids the need for a long-term temporary closure and to disrupt PRoW users any more than is necessary to safely carry out

the pipeline crossing. For example, the phasing of the works could consist of the following:

- Erection of fencing and safety signs and topsoil stripping which would be carried out first and may result in a closure of approximately one day after which the PRoW would be re-opened;
- Haul road establishment, which may not happen immediately after, but may lead to another one to two day closure after which the PRoW would again be reopened;
- When the construction crew are ready to excavate the trenches then another one to two day closure may be required to allow trenching, installation and backfilling operations to be completed.;
- Reinstatement and re-opening of the PRoW and erection of fencing and gates into the working area to prevent unauthorised access to the construction site. The fencing and gates would be kept in place for the duration of construction to allow vehicles to move along the haul road, but the PRoW would largely be kept open; and
- Removal of fencing would only result in a minor disruption to the PRoW and any closure that may be required would be less than 1 day.

3.3.5 The site-specific managed crossings can be provided to allow for the realignment of a PRoW to cross the pipeline working area at a right angle so that interactions between the construction works and PRoW users can be managed more efficiently. This would require small offline diversions of a PRoW and closures of the existing section across the pipeline construction working area. Where these new right-angle crossings are proposed, there would be a series of gates and stiles with appropriate signage to inform users of the risks that can be expected as they travel through the pipeline corridor construction working area. On temporary construction haul roads, there would be signage to inform staff vehicles of a PRoW crossing.

3.3.6 It should be noted that the type and nature of the diversion for the regional public rights of way routes that are crossed, would need careful consideration so that any potential diversion is provided as close to possible to the existing alignment of the PRoW and would not require long diversions. It is the intention to avoid any long-lasting effects on the regional routes.

PRoWs following temporary construction access tracks (shared routes)

3.3.7 At the points where PRoWs currently route along proposed construction accesses these are known as ‘shared routes’. Along shared routes, appropriate signage will be erected to alert drivers of construction vehicles of the shared route and potential interface between construction traffic and PRoWs. Speed limit signage will be provided along the shared route to make sure that all construction vehicles travel under manageable speed (nominally 5mph) to avoid conflict with PRoW users at speed.

3.3.8 During certain periods of the construction phase, it may be necessary to adopt active management measures with construction workers patrolling the shared

route. The need for active management on certain routes will be identified within the construction phase, which will take into account delivery timescales and movements of plant and machinery. The need for active management will be subject to specific risk assessments prepared by the Principal Contractor when analysing effects of any construction activities, which may bring PRoW users into proximity with construction traffic.

3.3.9 PRoW users may have to wait for a short period of time whilst the shared route is in use by the construction traffic (for example for the conveyance of a difficult load such as a fabricated pipes or a small crane). Users will be advised when works are completed and it is safe to use the shared route by construction workers. If the length of shared route is significant in length, then a safe standing area may be provided off the track. It may also be prudent, depending on the circumstances, to provide a safe crossing point of any shared route depending on construction traffic flows, however, this is currently considered unlikely.

PRoW crossing temporary construction access tracks

3.3.10 All points where PRoWs cross the temporary construction access tracks will have appropriate warning signage, which will advise of dates and hours of working. Along temporary construction access tracks, appropriate signage will be erected to alert drivers of upcoming locations, where there is an interface between construction traffic and PRoW.

3.3.11 However, during certain periods during the construction phase, it may be necessary to adopt active management measures with dedicated construction staff patrolling key crossing points during periods of high construction activity or during the stringing of the cables. The need for active management on certain PRoWs will be identified within the construction phase, which will take into account delivery timescales and movements of plant and machinery. The need for active management will be subject to specific risk assessments prepared by the Principal Contractor, when analysing the effects of any construction activities which may bring pedestrians into proximity with construction traffic.

3.3.12 PRoW users may have to wait for a short period of time whilst the footpath is in use by the construction workers. Users will be advised when works are complete and it is safe to cross the footpath with construction staff at the crossing point.

Small section of PRoW within the Preliminary Order Limits

3.3.13 A small number of PRoWs run into the Preliminary Order Limits of the Project for just a short distance. These will be managed but it is likely that these routes will not be diverted.

3.3.14 A range of measures will be implemented to ensure PRoW user are informed of the works before they reach the relevant areas of the Preliminary Order Limits of the Project. Signage will also emphasise that the right to wander from any PRoW within the construction areas is not permitted.

3.3.15 At any point where a PRoW is blocked off temporarily for any reason there will be clear ‘no-entry’ signs. Any PRoW which passes into the Preliminary Order Limits will be clearly marked.

PRoW routed through trenchless crossing areas or materials storage areas.

3.3.16 Where a PRoW enters areas that are proposed to be used as trenchless crossing areas or a material storage areas, a temporary PRoW closure and diversion would be required during the construction phase. These PRoW diversions may be needed for an extended time, during the works for the trenchless crossings or the operation of the materials storage areas.

3.3.17 The proposed diversions would be routed around the working areas, linking the PRoW back to a consistent route, which is the shortest route possible. The new route would be developed to the same standard as the route that is being diverted.

3.4 ORPA temporary effects environmental measures proposals

3.4.1 As set out in **Table 2.5**, there are four ORPA that are identified as being affected by the Project. These ORPA would be mitigated in the same way as PRoWs asset out above, depending on the effect of the Project.

3.5 Overarching environmental measures proposals

Inspection and Maintenance

3.5.1 In addition to the individual detailed environmental measures that will be required for an affected PRoW and ORPA, regular inspection of the physical infrastructure will be vital if paths and other infrastructure are to be maintained in a safe and usable condition. Failure to deal with problems quickly can also result in more widespread problems and require more costly repairs.

3.5.2 An Inspection and Maintenance Programme for all areas which I fall within the scope of the PRoW Management Strategy will be defined. Maintenance will only be focused on damage to existing PRoWs and ORPA, caused by the ongoing works associated with the construction phase of the Project. Maintenance operations will include:

- inspection, repair/re-surfacing of PRoW/ORPA;
- inspection and repair of drains associated with temporary construction access routes;
- maintenance of temporary construction access infrastructure including signage, waymarkers, interpretation boards and bridges; and
- clearance of any litter associated with temporary construction works that may blight PRoW/ORPA.

3.5.3 The Principal Contractor will inspect the affected PRoW/ORPA routes at the following times:

- prior to commencement of the construction phase;
- once during the construction phase; and

- following completion of the construction phase.

3.5.4 The Advance Inspection Survey carried out prior to commencement of the construction phase will also include written descriptions and location maps noting where any existing issues with PRoWs/ORPA are noted. Where appropriate, the advance inspection survey will be utilised to note opportunities for enhancement of PRoWs/ORPA, following the completion of the construction phase. For example, there may be improvements that are required to some access tracks as part of the temporary construction access works, to get vehicles to construction areas associated with the Project. Discussions with landowners will be undertaken to seek if they would like to see the improved services retained rather than the route being restored to its pre-construction state.

3.5.5 It is acknowledged however, that the Principal Contractor remit is only to return PRoWs back to the original standard they were in before commencement of the construction phase.

3.5.6 The Pre commencement Condition Survey (undertaken in the week before works commence that will affect any specific PRoW/ORPA) will enable a baseline of the condition of the PRoWs/ORPA to be made, to ensure that, during the construction phase, no obstructions or impediments to using PRoWs/ORPA are created and to enable the reinstatement of PRoWs/ORPA to their previous condition, once the construction phase has been completed.

Signage management

3.5.7 Appropriate signage will be required for all of the PRoW/ORPA environmental measures proposals outlined in **Section 3**.

3.5.8 The Applicant is committed to enabling access to the PRoW, ORPA and OAL during the construction phase, where this does not compromise the safety of the general public and construction staff. Where temporary restrictions to widen access rights are required, the Applicant will provide accurate and up-to-date information relating to the construction phase activity being carried out and identifying PRoW routes which remain open or those which are currently diverted or scheduled for future diversion.

3.5.9 A suitable location(s) at towns/settlements can be provided with information boards, which will include information about the Project and the construction phase processes. This will include timings and maps detailing temporary construction activities affecting relevant PRoWs/ORPA.

3.5.10 The nearest access points of any affected PRoW/ORPA will also have signs in order to keep people informed. These will be prominently displayed and clearly indicate the relevant information in a smaller form than the notice boards.

3.5.11 The Applicant will implement a range of measures to ensure tourists and visitors are informed of the construction phase works before they reach the relevant areas of the Project. The signage described above will be provided and diversion routes waymarked in advance of construction. Signage will also emphasise that the right to wander from any PRoW within the construction area is not permitted. At any point where a PRoW is blocked off temporarily for the excavation of the pipeline or other works for the duration of construction, there will be clear ‘No Entry’ signs. It

is anticipated that the following wording (or similar) will be adopted for both the advance warning and No Entry signage. The text below is an example and would be agreed with the relevant local authority for PRoW as appropriate:

'Please be aware that from (start date) until (end date) Cadent and their Principal Contractor (insert name when appointed) will be constructing the HyNet North West Hydrogen Pipeline. During this period, the areas shown on the map hatched in blue will be under the control of Cadent and will be subject to restriction to public access under HyNet North West Hydrogen Pipeline DCO.

The restrictions to Public Access are to ensure your own Health and Safety and that of those undertaking the works.

Please Obey all signage.

All Public Rights of Way, ORPA and Permissive Routes shown in green will remain open. There may be a requirement to temporarily control access, however you will be able to pass on the understanding that your use is restricted to the Public Right of Way only, please do not stray into the wider work/construction area, whilst using these routes.

Thank you for your cooperation during this period.

For further information please visit – www. or contact (website and telephone number to be confirmed).'

3.5.12 In addition to the signage, waymarks for any diversion route will be implemented prior to commencement of relevant construction works. Signs will be regularly inspected to ensure that they remain in place,are readable and have not been tampered with or altered.

3.5.13 All signage will contain contact details for the Applicant and the Principal Contractor. Contact numbers will be provided to enable visitors to report any problems encountered when accessing the site, particularly with regard to the condition of PRoWs.

3.5.14 All signage will be removed once construction is complete and all PRoWs with temporary effects returned to their former use where agreed.

3.6 Areas of OAL Environmental Measures

3.6.1 As outlined in **Section 2**, there are two areas of OAL that are affected by Preliminary Order Limits of the Project.

3.6.2 OAL 1 is an area of OAL called Park Moss which straddles Arley Road, between Appleton Thorn and Arley within Cheshire West and Chester. At this location a thin strip of the OAL on the south side of a woodland is also within the Preliminary Order Limits. It is not likely that any trench or haul road works will be required within the OAL and that this is an overlap that may not result in any direct effects from the Project on the OAL.

3.6.3 OAL 2 is an area of OAL called Moss Side, which bounds the River Mersey to the west, the Manchester Ship Canal and the disused Runcorn and Latchford Canal. OAL 2 is crossed by the North Corridor and haul road.

3.6.4 The temporary construction works which are proposed to be undertaken within the OAL during the construction phase will require banksmen tobe on site to assist users of the OAL to move around the temporary construction areas. At OAL 2 the proposed haul will not be fenced off and the right to roam will be retained but on entrances to the land appropriate signage will be installed. Where open pipeline trenches are required across OAL these will be fenced off and diversions for users proposed.

4. Summary and Conclusions

4.1.1 This PRoWMP has been prepared to support the assessment of transport effects provided in **Chapter 11: Traffic and Transport.**

4.1.2 The PRoWMP has set out in detail each PRoW, ORPA and area of OAL that is currently anticipated to be impacted by the Preliminary Order Limits of the Project. This includes details on the PRoW, ORPA and OAL, number, type of effect and whether an effect will be temporary or permanent.

4.1.3 It is proposed to manage and provide environmental measures for each PRoW, ORPA and area of OAL that is affected by the Project and a series of environmental measures have been set out which can be applied to different types of PRoWs, ORPA and areas of OAL affected.

4.1.4 The site-specific managed crossings can be provided to allow for the realignment of a PRoW/ORPA to cross the pipeline corridor working area at a right angle so that interactions between the construction works and PRoW/ORPA users can be managed more efficiently. This will require small offline diversions of a PRoW/ORPA and closures of the existing section across pipeline corridor construction working area. Where these new right-angle crossings are proposed, there will be a series of gates and stiles with appropriate signage to inform users of the risks that can be expected as they travel through the pipeline construction working area. On temporary construction haul roads, there will be signage to inform staff vehicles of a PRoW crossing.

4.1.5 The proposed signage strategies will inform the public of the construction schedule and the implications for each affected PRoW/ORPA. The active management of crossing points and shared temporary construction accesses will be temporary in nature and will required site specific signage to inform the public and construction vehicle drivers.

4.1.6 Prior to the start of the construction phase, all affected PRoWs/ORPA will be subject to an Advance Inspection Survey. These PRoWs/ORPA will also be monitored throughout the construction phase of the Project. At the end of the construction phase, all affected PRoWs/ORPA will be inspected and their condition will be returned to the original condition as observed during the Advance Inspection Survey.

4.1.7 This preliminary PRoWMP will be updated as the design is further defined following feedback from Section 42 consultation and additional assessment. Further consultation will be undertaken with various local authorities for which PRoW/ORPA run through to develop an agreeable management and environmental measures strategy for all PRoWs/ORPA and OAL affected by the Project. The final version of the PRoWMP will be submitted alongside the DCO application and will include a detailed list and plans of the environmental measures proposed for each of the affected PRoWs/ORPA, including details of the exact route diversions and durations of closures of existing PRoWs/ORPA.

HyNet North West Hydrogen Pipeline

Delivering clean growth

Cadent

Your Gas Network