



Norfolk Offshore Wind Zone Happisburgh | Information Pack

A collection of materials shared at public
drop-in events in February 2025





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Hello

Last year, the Norfolk Zone construction team completed installation of 17km of underground ducting in the westernmost section of our cable route. Construction will now continue in 2025 along the remainder of the route, up to Happisburgh on the coast, where our offshore cables will make landfall.

To ensure the local community is kept up to date, we continue to hold public information drop-ins across the cable route, in town/village halls, and public locations like libraries, markets and schools. Information packs from each of these events are made available at

www.nowzone.co.uk. If you have any questions about the Norfolk Zone, please don't hesitate to get in touch. You'll find information on how to do so throughout the pack, and on the last page. Many thanks for your continued interest in our projects.

Best regards,
The Norfolk Zone Team
norfolk@rwe.com





Norfolk Offshore Wind Zone Community Drop-in Information Event

Sharing information about upcoming works in your area

Where
Happisburgh Primary School,
The Street, NR12 0AB

Date
4th February 2025

Time
15:00 - 18:00

This event invites local residents and members of the public to drop in and meet with the project team, who will be on hand to share and discuss the latest updates. Key topics will include: access point creation (plus associated roadworks) scheduled for March & April 2025. These works are to provide access to the landfall site where installation activity will begin in September 2025. We will hold another event in the summer to share more information about installation works at the landfall site.

RWE have begun onshore construction of Norfolk Offshore Wind Zone. Once fully operational, the Norfolk Zone could generate 4.2GW of electricity, which is enough to power more than 4 million UK households.

www.nowzone.co.uk

Contact us: norfolk@rwe.com



Investing in East Anglia

£4.4 million investment boost for local businesses as work on Norfolk Offshore Wind Zone ramps up

In a major boost for the regional economy, dozens of local businesses have scooped **£4.4 million** worth of contracts from main contractor on the Norfolk Offshore Wind Zone, J. Murphy & Sons Limited.

Contracts have been awarded to **36 East Anglian businesses**, providing opportunities for hundreds of local people to work on the first stages of construction of the Norfolk Offshore Wind Zone. Local companies are using a workforce recruited from nearby towns and villages, with many more set to be employed. Norfolk Offshore Wind Zone will directly support around 1,000 jobs a year during the seven-year construction programme.

Denise Hone, senior stakeholder and community engagement manager for the Norfolk Offshore Wind Zone, said: "Since we started planning the project nearly 10 years ago, we have been working with local companies. It has always been our plan to invest as much as we can in Norfolk and its businesses because the wind farms will be operating for more than 30 years.

"To see this coming to fruition - seeing small, local businesses supplying their

services and benefitting from playing a part in this world-leading wind farm - is wonderful. It's evidence that we are doing what we have always said we would do: work in Norfolk, with Norfolk and for Norfolk."

Over the first 11 months of the project, 36 companies from Norfolk and Suffolk

36

have secured contracts with Murphy. So far, £4.4 million has been invested in and spent with East Anglian businesses. As the project progresses through 2024, services such as drainage, scaffolding, sampling, cleaning, catering, and horizontal directional drilling (HDD) will be required.

450

By 2025, the project will hit its peak work period. Murphy plans to create 8 apprentice positions, employ 450 ground staff, install 540 km of ducting, 120 km of fencing, and require 77,000 m³ of sand and backfill for the works.





Horizontal Directional Drilling (HDD)

The HDD programme in the westernmost 20km of the onshore cable route began in February this year. Since then, we have completed 12 drills beneath sensitive areas. Our HDD programme now continues into the central and eastern regions of the cable route.

What is HDD?

A Horizontal Directional Drill or HDD is a non-intrusive way to lay the ducting underground. Rather than having to dig a trench, the process will involve two drills per cable. Initially, a pilot drill will be used to tunnel underground for the required length. Once the pilot drill is out on the opposite side, a larger drill head (Bore) is fitted to create the diameter needed for the ducting to be installed.

Why are we doing HDD?

An HDD will be used in all areas along the cable route where using a trenching technique would have an environmental impact (such as at Wendling Carr) or when the cable route needs to cross major roads, such as the A47.

Who should I contact?

If you have questions, please contact the Local Liaison Officer for J. Murphy and Sons, Victoria Crawford.

E: victoriacrawford@murphygroup.co.uk
M: 07887 877816

Trenching & Ducting

What are these works?

Initially, the construction team will carefully strip away the top and subsoil, stockpiling them as close as possible to where they have been removed. This will allow for a haul road to be created alongside the area where the cable ducting will be laid.

Specialised machinery will then excavate a trench, ready for the ducting to be laid. Once the ducting is laid and levelled, a protective tile will cover the ducting before the trench is backfilled.

When will this work happen?

To date, we have completed 136km in the westernmost section. It is anticipated that we will continue the trenching and ducting installation in the central and eastern

regions in spring/early summer 2025, starting from the River Wensum and heading eastward to Happisburgh.

Who should I contact?

If you have questions, please contact the Local Liaison Officer for J. Murphy and Sons, Victoria Crawford.

E: victoriacrawford@murphygroup.co.uk
M: 07887 877816



Mobilisation Areas

While work has been happening around mobilisation areas in the westernmost 20km section this year, we have also been busy establishing the remainder of the required mobilisation areas along the rest of the route. This includes establishing access points into these areas. For any that require road closures and diversions, or temporary traffic lights, you can see these works on our interactive map linked here.

Murphy's Local Liaison Officer will write to potentially affected properties and local authorities 4 weeks in advance to notify of these works.

Mobilisations in this district include:

Broadland
Mobilisation Areas 6, 7 & 8

Breckland
Mobilisation Areas 9, 10, 10a & 11

What are Mobilisation Areas?

The mobilisation areas are used to facilitate the ducting works. They may contain welfare, parking, offices and storage areas for materials.

Who should I contact?

If you have questions, please contact the Local Liaison Officer for J. Murphy and Sons, Victoria Crawford.

E: victoriacrawford@murphygroup.co.uk
M: 07887 877816

Ecology

Protection of wildlife and the ecology of any area is of utmost importance to RWE. RWE have carried out extensive ecological surveys along the onshore cable route to identify areas of ecological constraint. This includes protected species such as badgers, bats, great crested newts, water voles, and nesting birds. Where identified, more detailed surveys are typically required to provide mitigation measures.

In consultation with statutory nature conservation bodies, mitigation measures are applied to manage the effects of project construction on ecological elements along our cable corridor route. This can include activities such as the collection and re-location of individual or groups of animals (under licence from Natural England where required) and the creation of new habitats elsewhere, away from the areas of construction. This work is carried out well ahead of construction commencing to ensure species have vacated the works area. A further pre-construction survey ahead of the works is then completed by an Ecological Clerk of Works to confirm their absence. Should species of concern be identified

at that point, works are unable to proceed until the issue is resolved.

RWE's operations are carried out within the constraints of the Development Consent Order (DCO), which permits the construction of the cable route. As part of this, RWE is subject to numerous requirements associated with the DCO which relate to ecological mitigation. We are legally obliged to comply with these and we are also required to provide regular annual reports to statutory stakeholders to demonstrate compliance as required under licence.

Badgers

In the UK, badgers and their setts are primarily protected under The Protection of Badgers Act (1992). Where badger setts are located along the cable route and cannot be avoided, various measures are implemented under licence to avoid causing harm. Any works affecting badgers have to be undertaken under licence from Natural England.

E: norfolk@rwe.com

Badger licences come with conditions that have to be complied with, such as constructing alternative setts elsewhere away from construction, bait marking surveys (e.g. using peanuts & syrup) of the new sett to encourage its use by badgers, and collection of evidence to confirm its use by the badgers.

Prior to exclusion measures to prevent re-entry to the old sett, a programme of checks are undertaken to confirm that there is no continued use by the badgers.

Permanent closure of a sett is undertaken as a last resort, and any activities associated with RWE's construction works which disturb setts are intensively supervised by a qualified ecologist to avoid harm to individual badgers.

Who should I contact?

If you have questions, please contact the project team via the general email address shown below and we'll connect you with the appropriate team member.

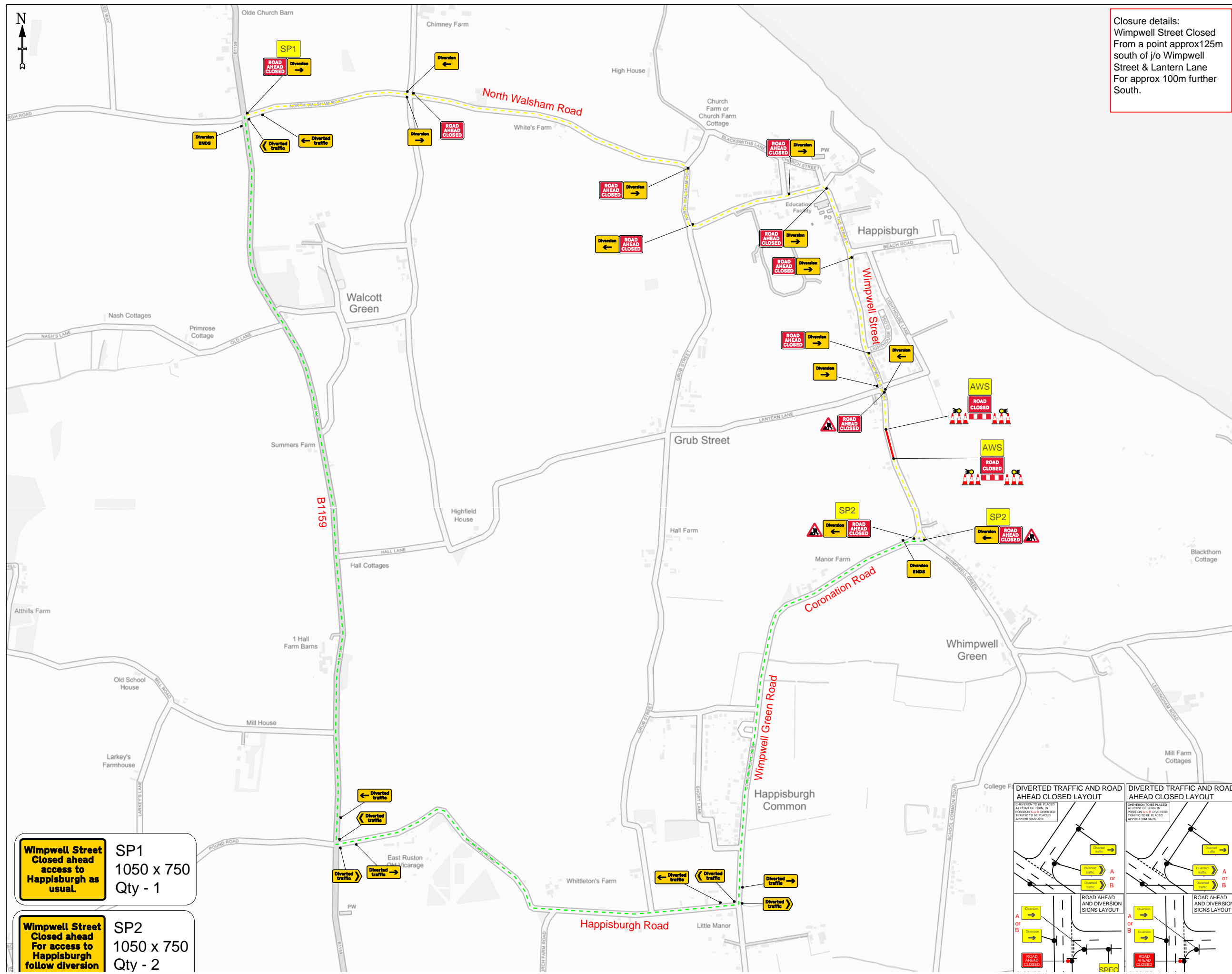
E: norfolk@rwe.com

TMO Highways
 TMO Traffic Highways Ltd
 Building 5
 Roy Humphrey Site
 A140,
 Eye, Suffolk
 IP23 8AW
 Tel: 01379 676462

MURPHY
 WORLD-CLASS INFRASTRUCTURE

SCHEME TITLE		Norfolk Offshore Wind Zone	
DRAWING TITLE		AC3	
SITE ADDRESS		Wimpwell Street, Happisburgh, NR12 0QD	
DRAWING No		34483-AC3	
DESIGNED BY		AS	
DRAWN BY	DATE	AS	17/05/23
CHECKED BY	APPROVED BY	AR	AR
REVISION No	REVISED BY	DATE	CHECKED BY
SCALE		NTS	
ORIGINAL DRAWING SIZE IS A3			

Closure details:
 Wimpwell Street Closed
 From a point approx 125m
 south of j/o Wimpwell
 Street & Lantern Lane
 For approx 100m further
 South.



NOTES

A. All signs, road markings and safety zones to comply with Traffic Signs Regulations and General Directions 2016, and Chapter 8 of the Traffic Signs Manual.

B. Sign locations are indicative only, exact locations will be determined on site.

C. Sign diagram 7001.3 and HI warning lamp to be installed at a safe location prior to installation or removal of traffic management.

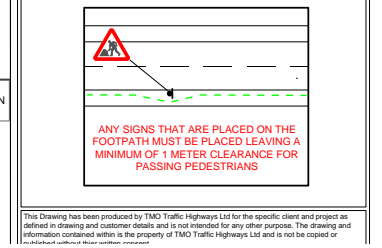
D. Airlock system & Nissen Barrier to be used at all full closure points.

E. CCTV sign and dash/badge camera to be used at all full closure points.

KEY

- Safety Zone
- Works Area
- Road Closure
- Access Only
- Diversion Route
- Sign

DIVERSION:
 Wimpwell Street
 Coronation Road
 Wimpwell Green Road
 Happisburgh Road
 B1159
 North Walsham Road
 and vice versa



- Wimpwell Street Closed ahead access to Happisburgh as usual.** SP1 1050 x 750 Qty - 1
- Wimpwell Street Closed ahead For access to Happisburgh follow diversion** SP2 1050 x 750 Qty - 2



TMO Traffic Highways Ltd
 Building 5
 Roy Humphrey Site
 A140,
 Eye, Suffolk
 IP23 8AW
 Tel: 01379 676462



SCHEME TITLE
**Norfolk Offshore
 Wind Zone**

DRAWING TITLE
AC03

SITE ADDRESS
**Wimpwell Street, Happisburgh,
 NR12 0QD**

DRAWING No
34483-AC03NB

DESIGNED BY
AS

DRAWN BY	DATE
AS	18/09/24

CHECKED BY	APPROVED BY
AR	AR

REVISION No	REVISOR	DATE
.	.	.

SCALE
1:750

ORIGINAL DRAWING SIZE IS A3

NOTES

A. All signs, road markings and safety zones to comply with Traffic Signs Regulations and General Directions 2016, and Chapter 8 of the Traffic Signs Manual.

B. Sign locations are indicative only, exact locations will be determined on site.

C. Sign diagram 7001.3 and HI warning lamp to be installed at a safe location prior to installation or removal of traffic management.

D. Airlock system & Nissen Barrier to be used at all full closure points.

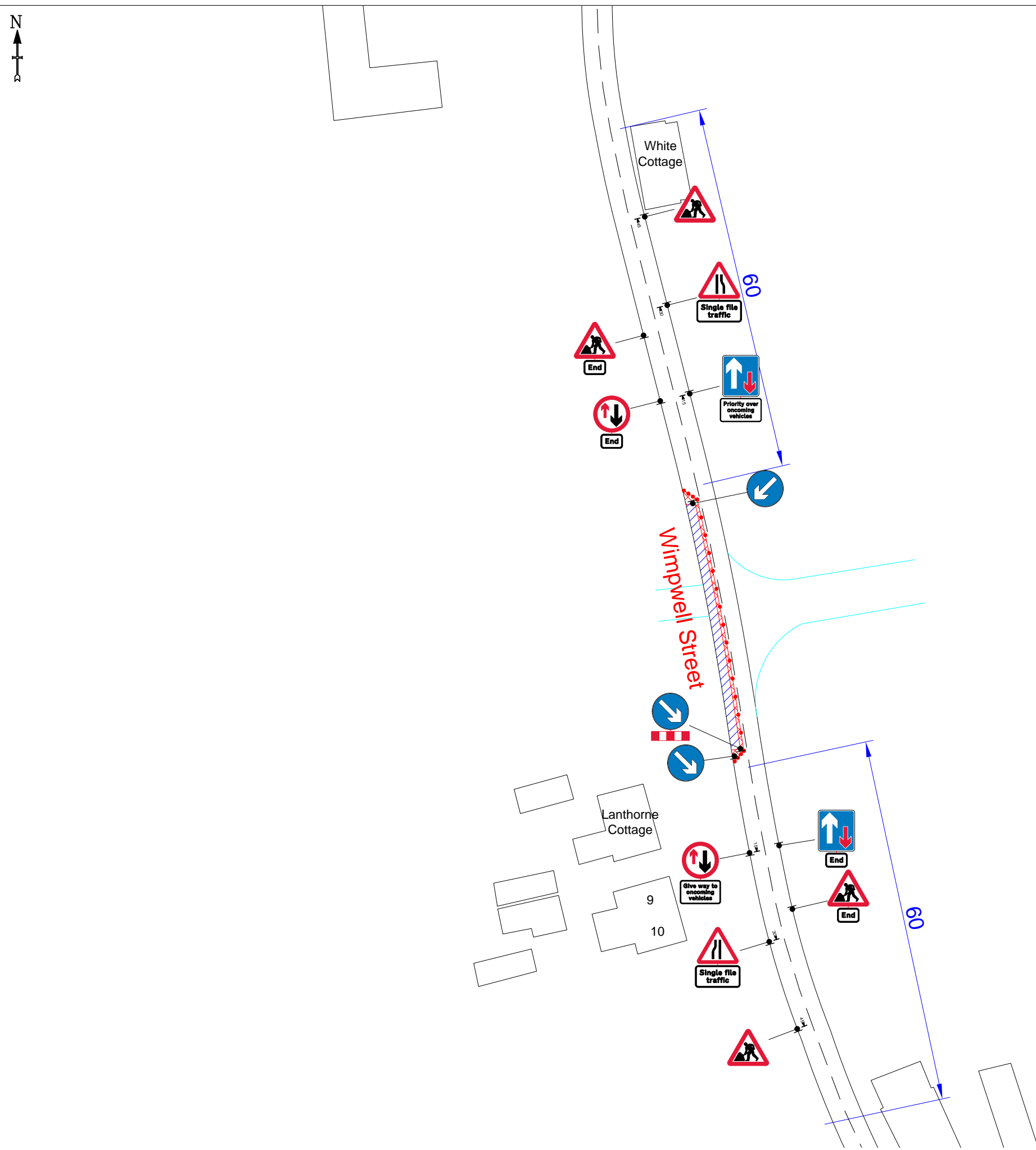
E. CCTV sign and dash/badge camera to be used at all full closure points.

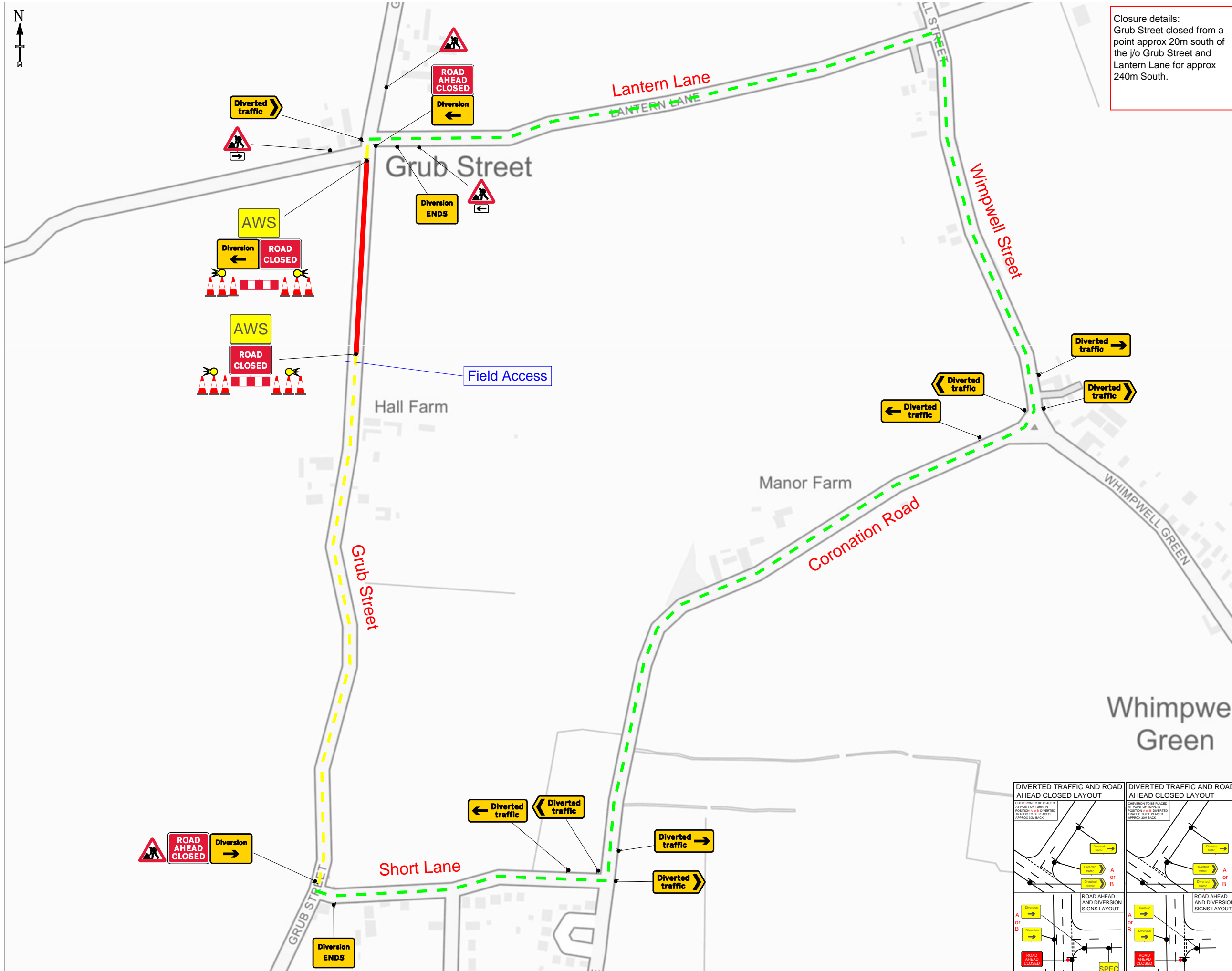
KEY

- Safety Zone
- Works Area
- Road Closure
- Access Only
- Diversion Route
- Sign



This Drawing has been produced by TMO Traffic Highways Ltd for the specific client and project as defined in drawing and customer details and is not intended for any other purpose. The drawing and information contained within is the property of TMO Traffic Highways Ltd and is not to be copied or reproduced without their written consent.





Closure details:
Grub Street closed from a point approx 20m south of the j/o Grub Street and Lantern Lane for approx 240m South.

TMO Highways
TMO Traffic Highways Ltd
 Building 5
 Roy Humphrey Site
 A140,
 Eye, Suffolk
 IP23 8AW
 CUSTOMER

MURPHY
WORLD-CLASS INFRASTRUCTURE

SCHEME TITLE
 Norfolk Offshore Wind Zone

DRAWING TITLE
 AC5

SITE ADDRESS
 Grub Street, Happisburgh Common, NR12 0RX

DRAWING No
 34483-AC5

DESIGNED BY
 AS

DRAWN BY AS	DATE 05/06/2023		
CHECKED BY AR	APPROVED BY AR		
REVISION No	REVISOR	DATE	CHECKED BY

SCALE
 NTS

ORIGINAL DRAWING SIZE IS A3

NOTES

- All Traffic Management to comply with current chapter 8 and Safety at Street Works and RoadWork's (A code of practice).
- All road markings and signage to conform to the Traffic Signs Regulations and General Directions 2016.
- All permanent traffic lights heads will be switched off and bagged at all times that temp signals are in operation, with authorisation from the appropriate authority.
- Countdown Signage spacing not shown to scale.

KEY

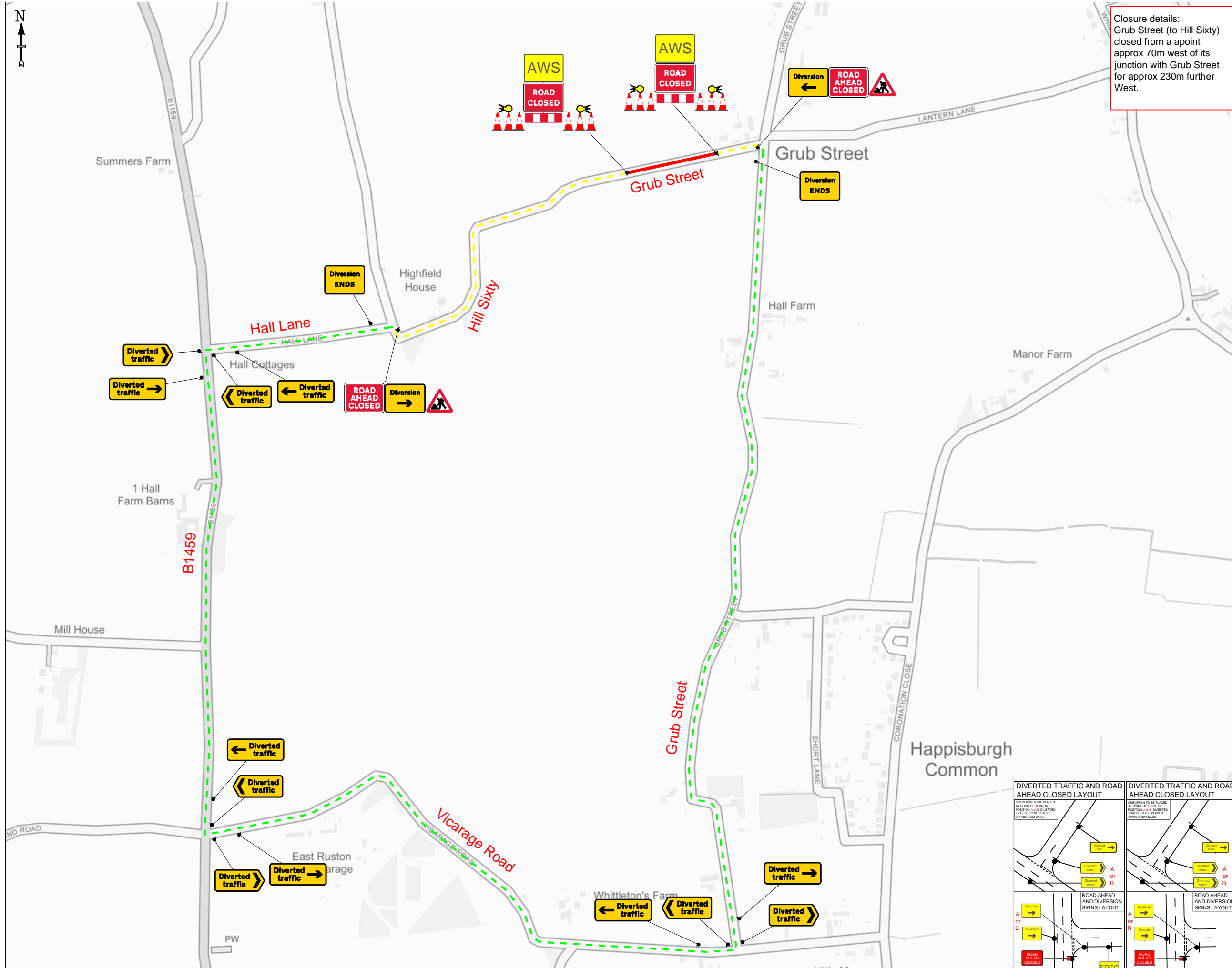
- Safety Zone
- Works Area
- Road Closure
- Access Only
- Diversion Route
- Sign

DIVERSION:
 Lantern Lane
 Wimpwell Street
 Coronation Road
 Short Lane
 and vice versa

KEY

ANY SIGNS THAT ARE PLACED ON THE FOOTPATH MUST BE PLACED LEAVING A MINIMUM OF 1 METER CLEARANCE FOR PASSING PEDESTRIANS

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Closure details:
Grub Street (to Hill Sixty)
closed from a point
approx 70m west of its
junction with Grub Street
for approx 230m further
West.

TMO Highways
TMO Traffic Highways Ltd
Building 5
Roy Humphrey Site
A140,
Eye, Suffolk
IP23 8AW
CUSTOMER
MURPHY
WORLD-CLASS INFRASTRUCTURE

SCHEME TITLE	
Norfolk Offshore Wind Zone	
DRAWING TITLE	
AC8	
SITE ADDRESS	
Grub Street, Happisburgh, NR12 0RA	
DRAWING No	
34483-AC8	
DESIGNED BY	
AS	
DRAWN BY	DATE
AS	08/06/23
CHECKED BY	APPROVED BY
RS	RS
REVISION No	REVISOR
	DATE
	CHECKED BY
SCALE	
NTS	

ORIGINAL DRAWING SIZE IS A3

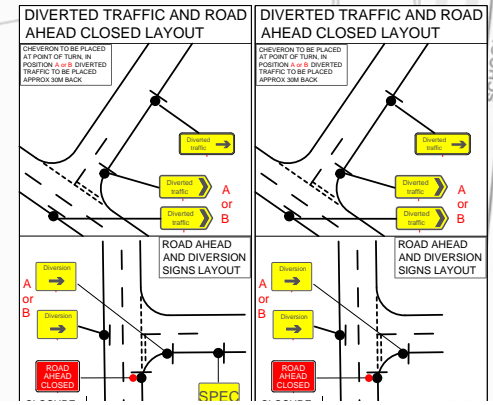
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- All permanent traffic lights heads will be switched off and bagged at all times that temp signals are in operation, with authorisation from the appropriate authority.
- Countdown Signage spacing not shown to scale.

KEY

- Safety Zone
- Works Area
- Road Closure
- Access Only
- Diversion Route
- Sign

DIVERSION:
Grub Street
Hill Sixty
Hall Lane
B1459
Vicarage Road
Grub Street
and vice versa



Images

These images are from previous onshore cabling projects completed by Murphy.

They were displayed on easels at the community drop in event to provide participants with visual examples of the type of construction activity they might expect to see in their area as the Norfolk Zone progresses.



Image 1 shows two lengths of cable being safely jointed



Image 2 shows delivery of a reel of cabling



Image 3 shows trenching and cables being laid



Shows a section of typical ducting



The ducting has a diameter of 225mm



A protective tile is installed above the ducting. Both buried under-

Stay Connected



Visit the Norfolk Zone website

www.nowzone.co.uk



Would you prefer a video call with one of our project team? Book a 15 min slot

norfolkwind.me/KITOnline



Get project news straight into your inbox by signing up for e-newsletters

norfolkwind.me/Enews



Send us an email and one of the project team will respond to you

norfolk@rwe.com



Do you need to report something to us urgently? Use our freephone number

0800 019 3517

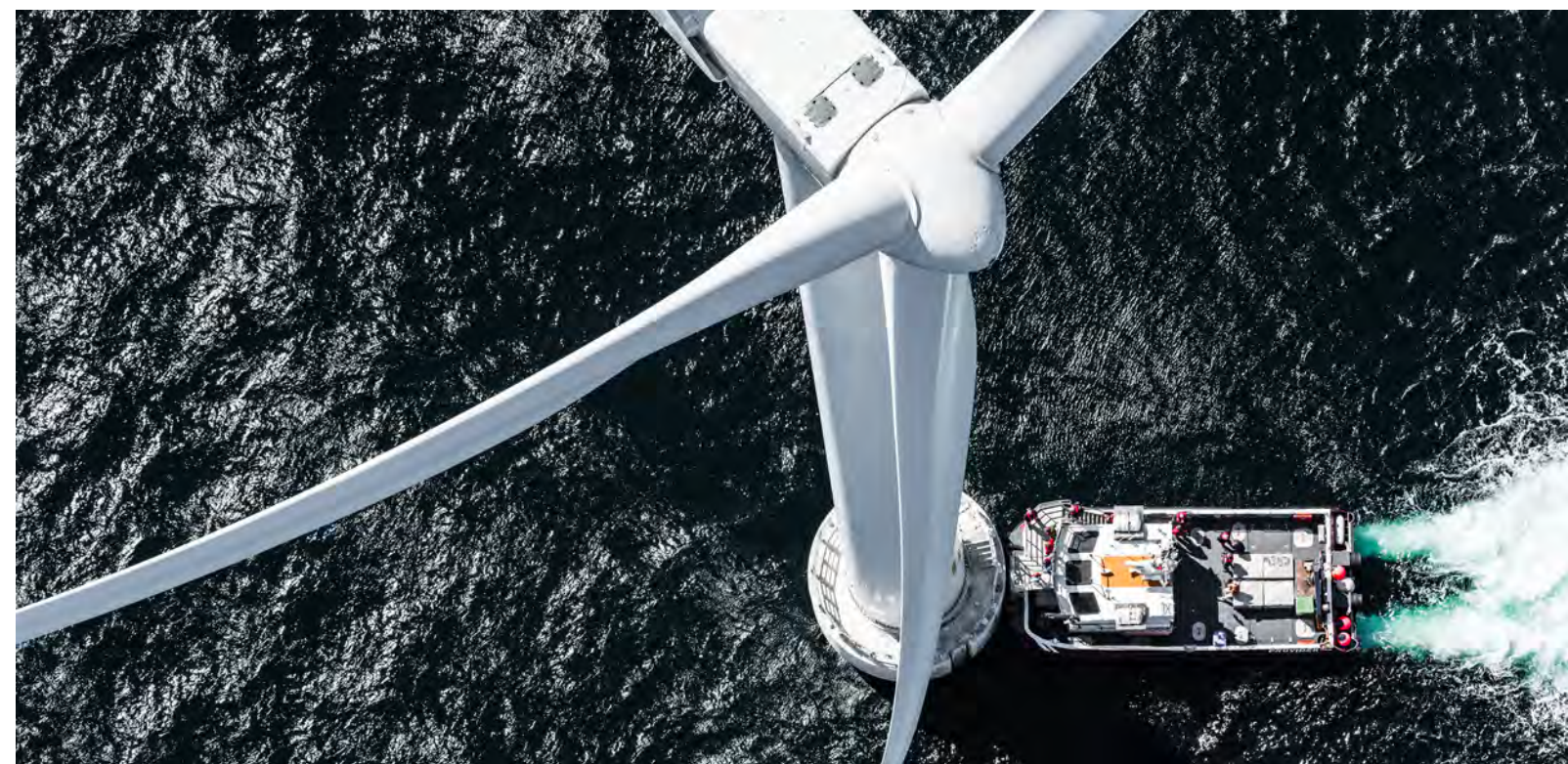


Are you a potential supplier? Find out more about our STEP programme

norfolkwind.me/STEP



Follow our social media channels for news about RWE projects in the UK



Norfolk Offshore Wind Zone
Trigonos
Windmill Hill Business Park
Whitehill Way
Swindon
SN5 6PB
www.nowzone.co.uk