

GMC Utilities Group Ltd, GMC House,
Millenium Business Park, Cappagh Road,
Ballycoolin, Dublin 11, Ireland.

Tel: +353 (0)1 864 9800

Email: info@gmcirl.com

TRAFFIC MANAGEMENT PLAN

PROJECT

WNM Construction Works

LOCATION

R405 Hazelhatch Road Celbridge to Keatings Park Dublin

SECTION 3B
(dublin area)



RECOMMENDED PRINT A3	ISSUED : 28/11/2025	REVISION - 00	TMPs - 12	DESIGNER - K.MUNSTER	DRAWN - K.MUNSTER	APPROVED - D.GOUGH
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SITE LOCATION MAP - R405 Hazelhatch Road to Keatings Park Cellbridge Kildare



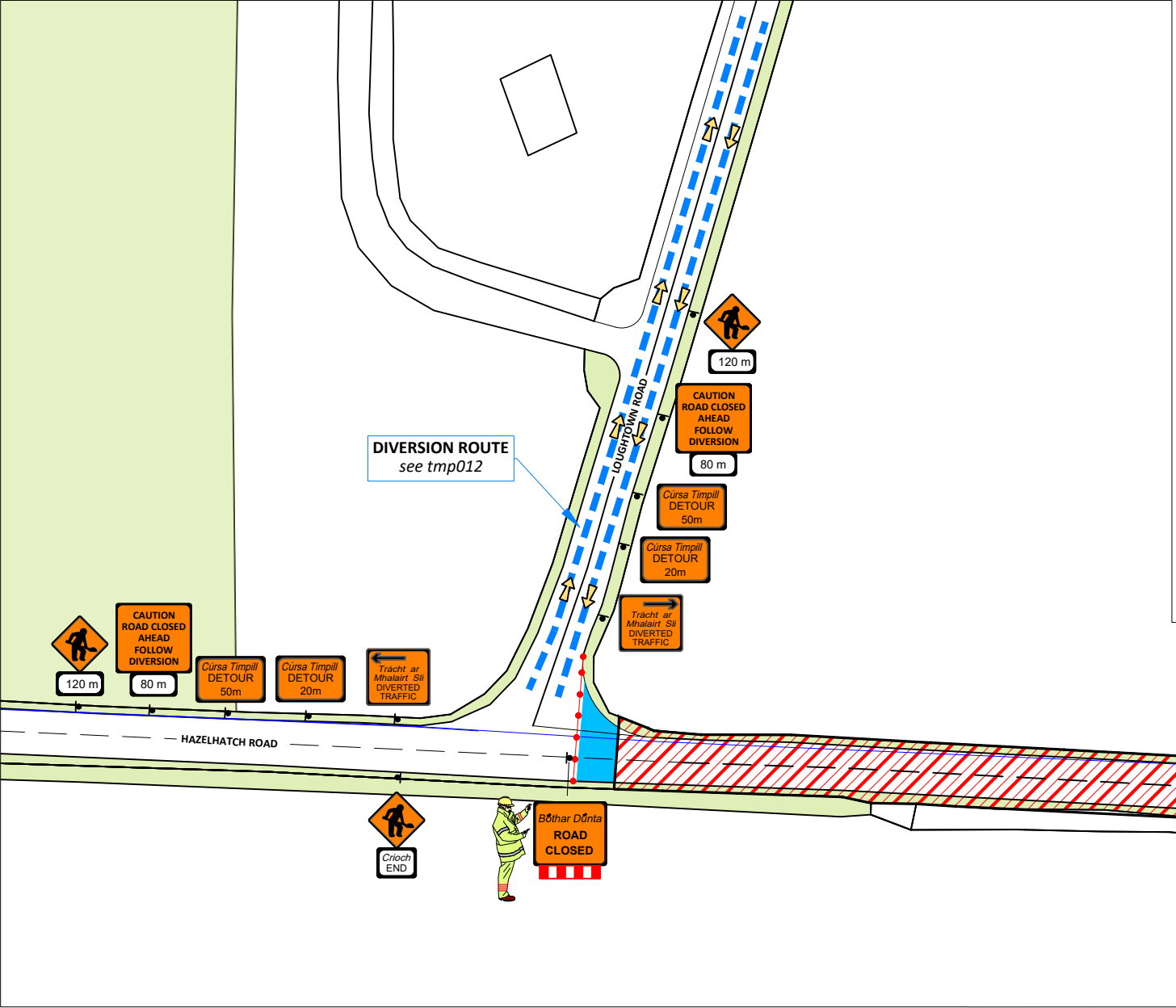
- SITE SPECIFIC NOTES**
- Traffic Management to comply with Temporary Traffic Management 2019 publications Chapter 8 Traffic Signs Manual, Design Guidance & Operation Guidance.
 - Road closed, diversion route provided.
 - On single carriageway roads of 50 km/h signs to be placed at 20m intervals. Additional signage may be used where deemed necessary. (Type A & B)
 - A Pedestrian walkway of 1.2m minimum to be maintained at all times. Kerb ramps to be provided where required
 - Work Area to be barriered at all times.
 - TMP is based on information received at time of design. Minor changes may be required on site. Major changes to site works will require revised TMP.
 - Below signage to be used where required.....



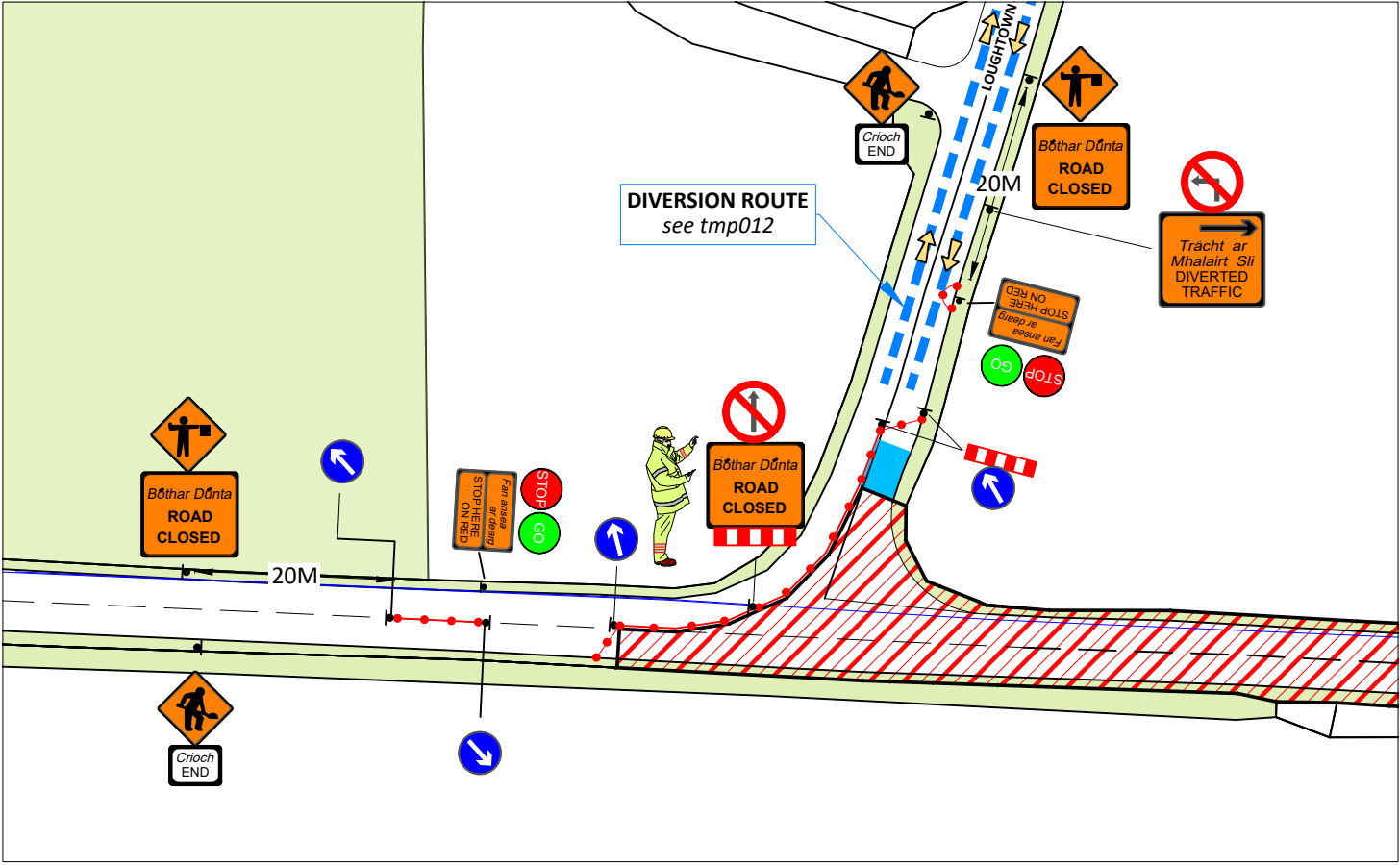
- LEGEND:**
- During darkness at unit areas following a site risk assessment additional lighting to be installed
 - DIVERSION ROUTE
 - WORK/PLANT AREA
 - SAFETY AREA
 - LATERAL SAFETY ZONE
 - PEDESTRIAN BARRIER
 - SITE BARRIER
 - CONES
 - SIGN LOCATION & ORIENTATION
 - BARRIER BOARD

Design Parameters for Level 1 (all) (Single Carriageway 50 km/h)	
Design Parameters	Roadworks Type A (>12 Hours)
Temporary Signs	
Sign Size (mm)	600 Min
Sign Visibility (m)	50
Number of Signs	2
Cumulative Distance (m)	40
Distance between advance signs (m)	20
Minimum Rate of Taper	
Taper at Lane (m)	1 in 5
Taper at Hard Shoulder (m)	1 in 5
Maximum Cone Spacing	
Cone Height (mm)	750
At Taper (m)	3
Longitudinal (m)	3
Maximum Lamp Spacing	
At Taper (m)	6
Longitudinal (m)	6
Safety Zone	
Longitudinal (m)	5
Lateral (m)	0.5
Lanes	
Minimum Lane/Width (m)	3 (2.5)
Two-way Roadway Width (m)	5

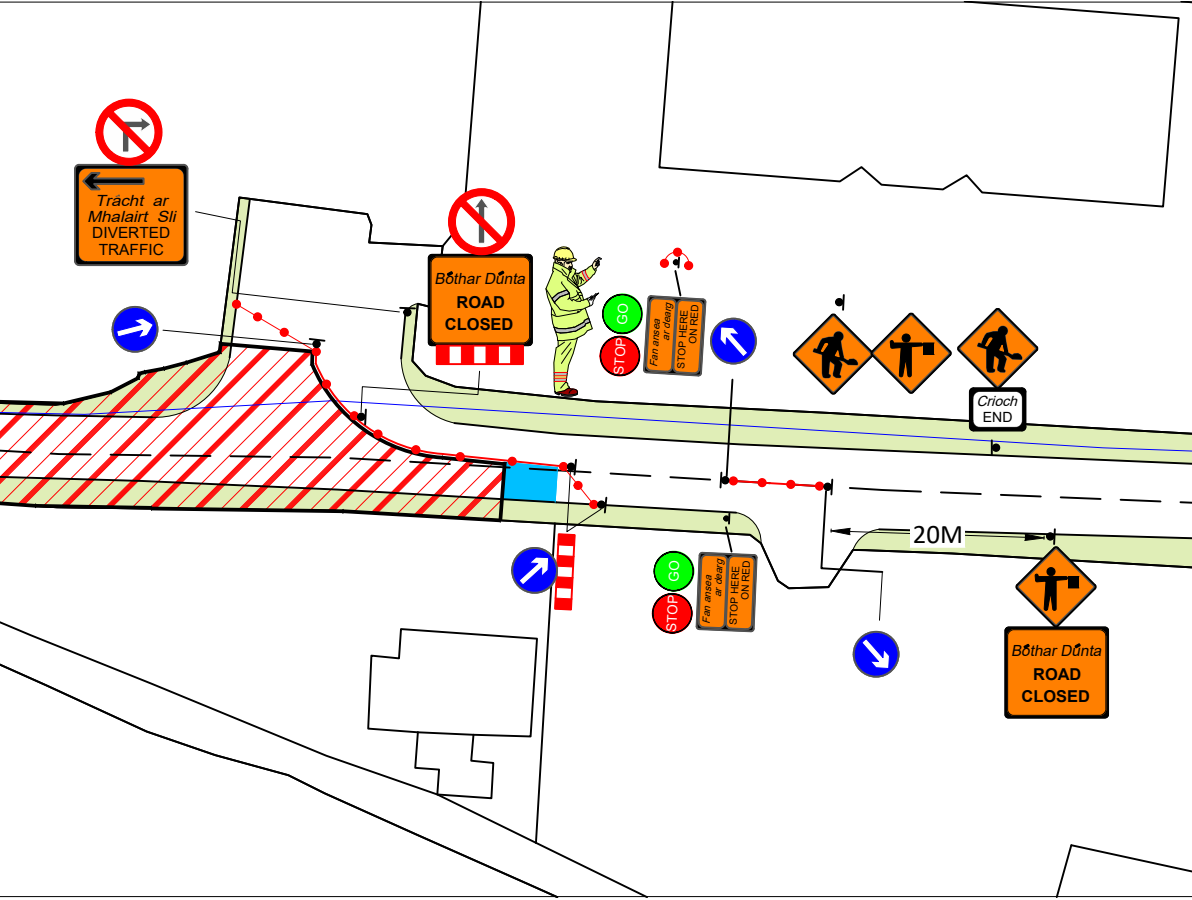
Note:
A. 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres.
B. Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly.
C. The optimum lane width for all classes of vehicles is 3.3m. This may be reduced to a minimum of 3.0m. Below this, HGVs and buses must be marshalled past the works. The absolute minimum lane width, if only cars and light vehicles are present, is 2.5m. Refer to Chapter 8, Paragraphs 8.4.3.1 to 8.4.3.3.



JUNCTION SETUP



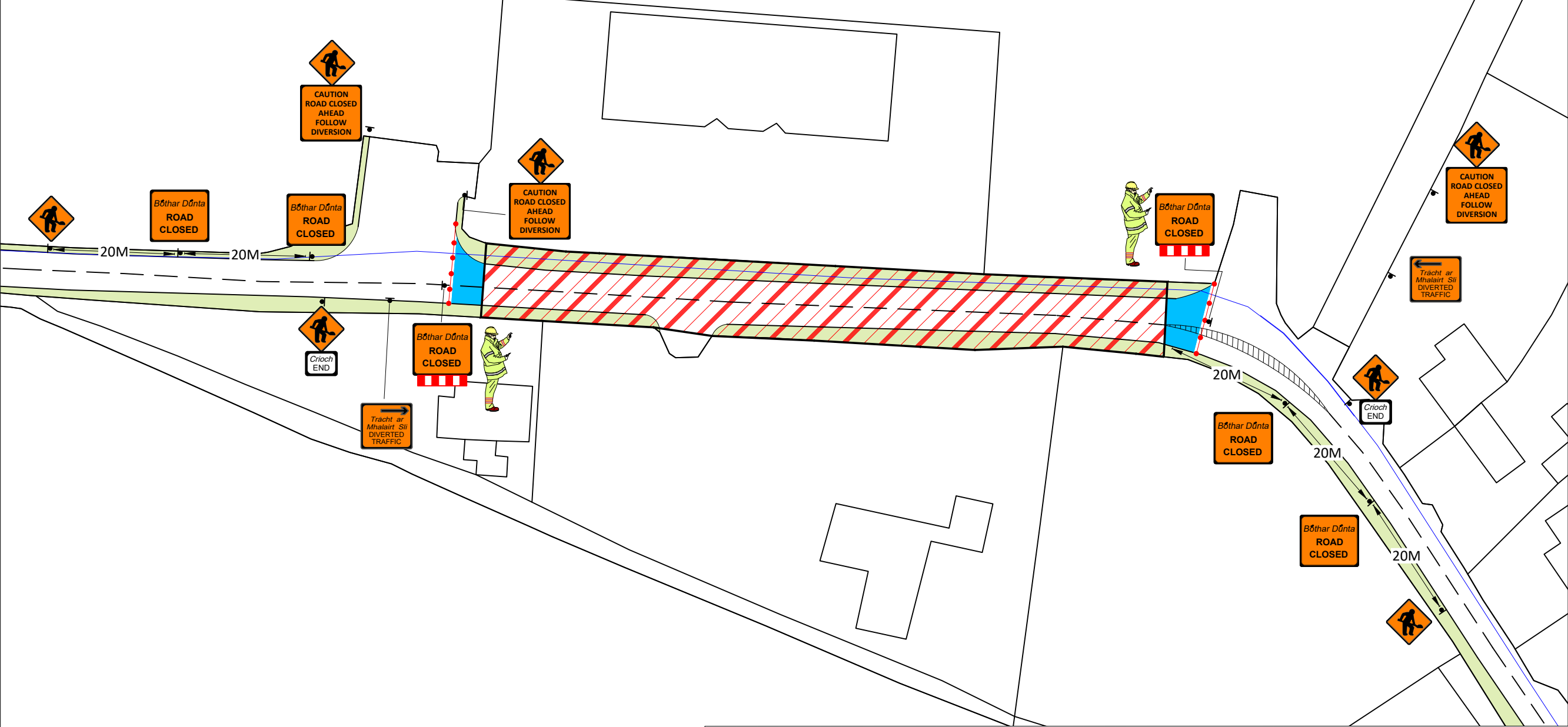
JUNCTION SETUP



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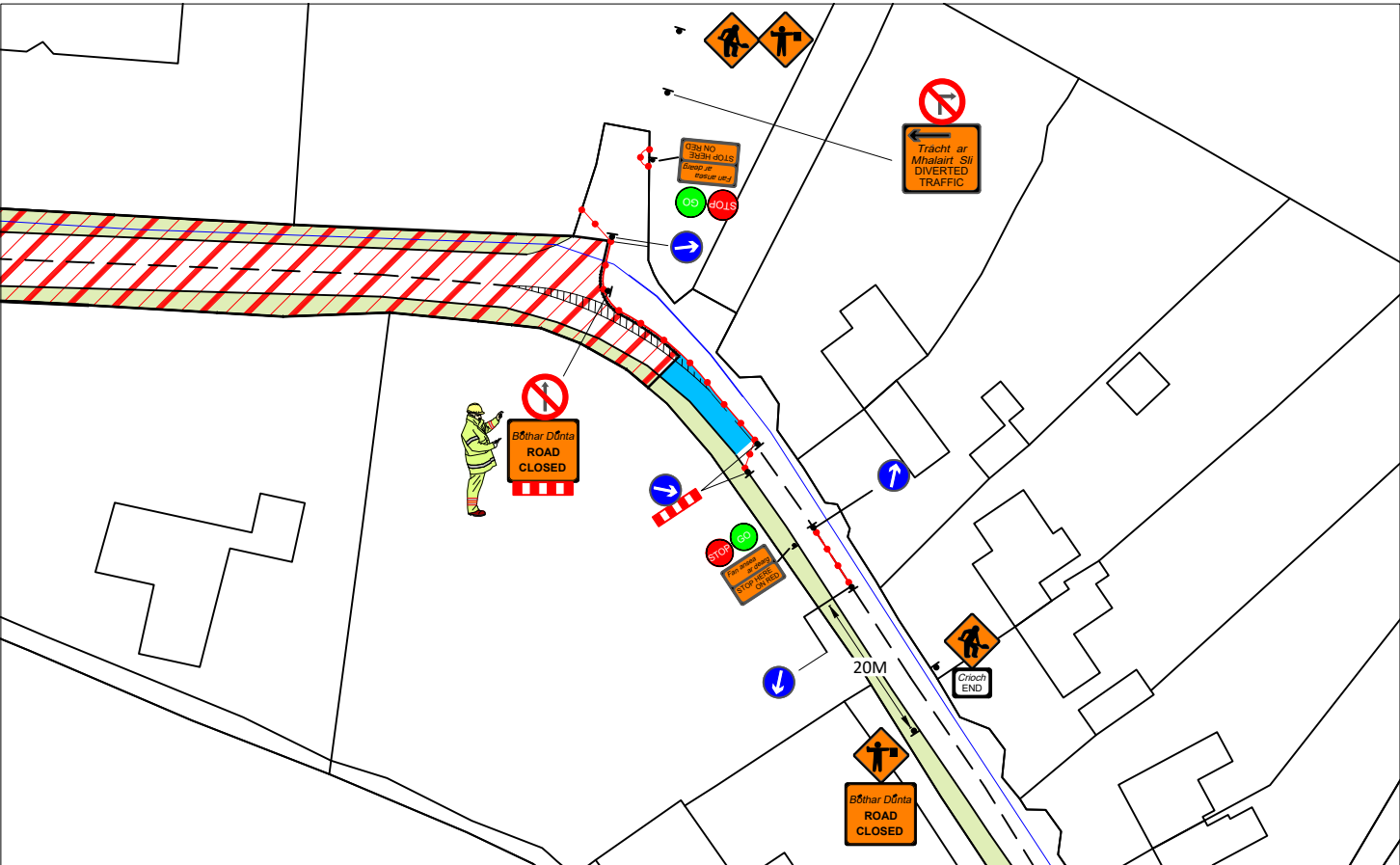
Project ;	WNM Construction Works - SECTION 03 & SECTION 4		
Location ;	R405 Hazelhatch Road Celbridge to Keatings Park Celbridge Kildare		
TM Method ;	Road Closure - Detailed Site Layout		
Designer ; KM	Drawn ; KM	Approved ; DG	
Date ;	28/11/2025		
Scale ;	NTS - USE FIGURED DIMENSIONS ONLY		
TMP Guide Reference ;	TMP-001		
Dwg Number ;	GMC-TMP-22830-REV01		



SITE LOCATION MAP - R405 Hazelhatch Road to Keatings Park Cellbridge Kildare



JUNCTION SETUP



SITE SPECIFIC NOTES

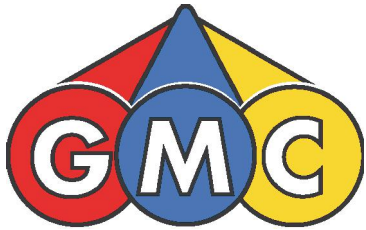
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- Work Area to be barriered at all times.
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- Below signage to be used where required.....



LEGEND:

- DIVERSION ROUTE
- WORK/PLANT AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- SITE BARRIER
- CONES
- SIGN LOCATION & ORIENTATION
- BARRIER BOARD

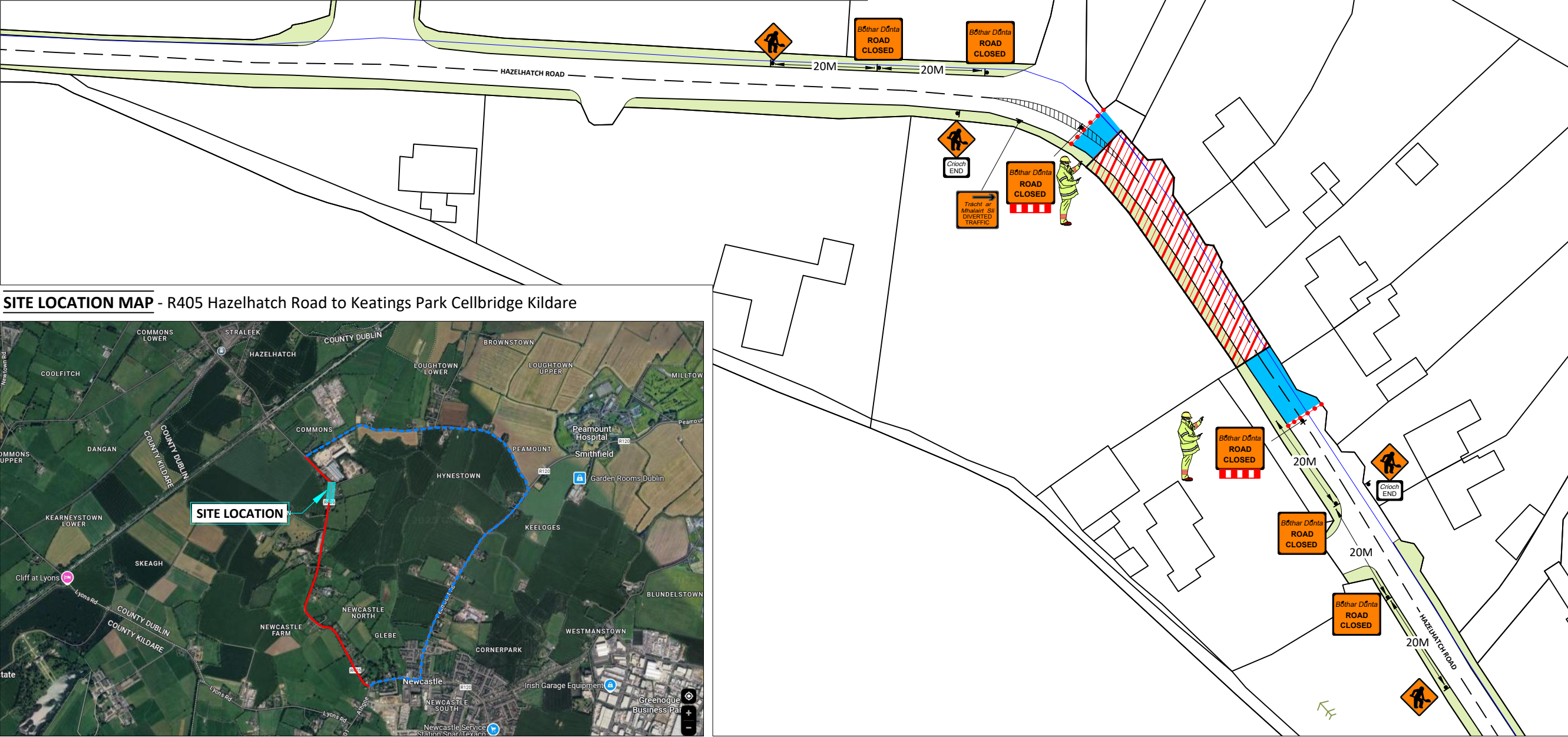
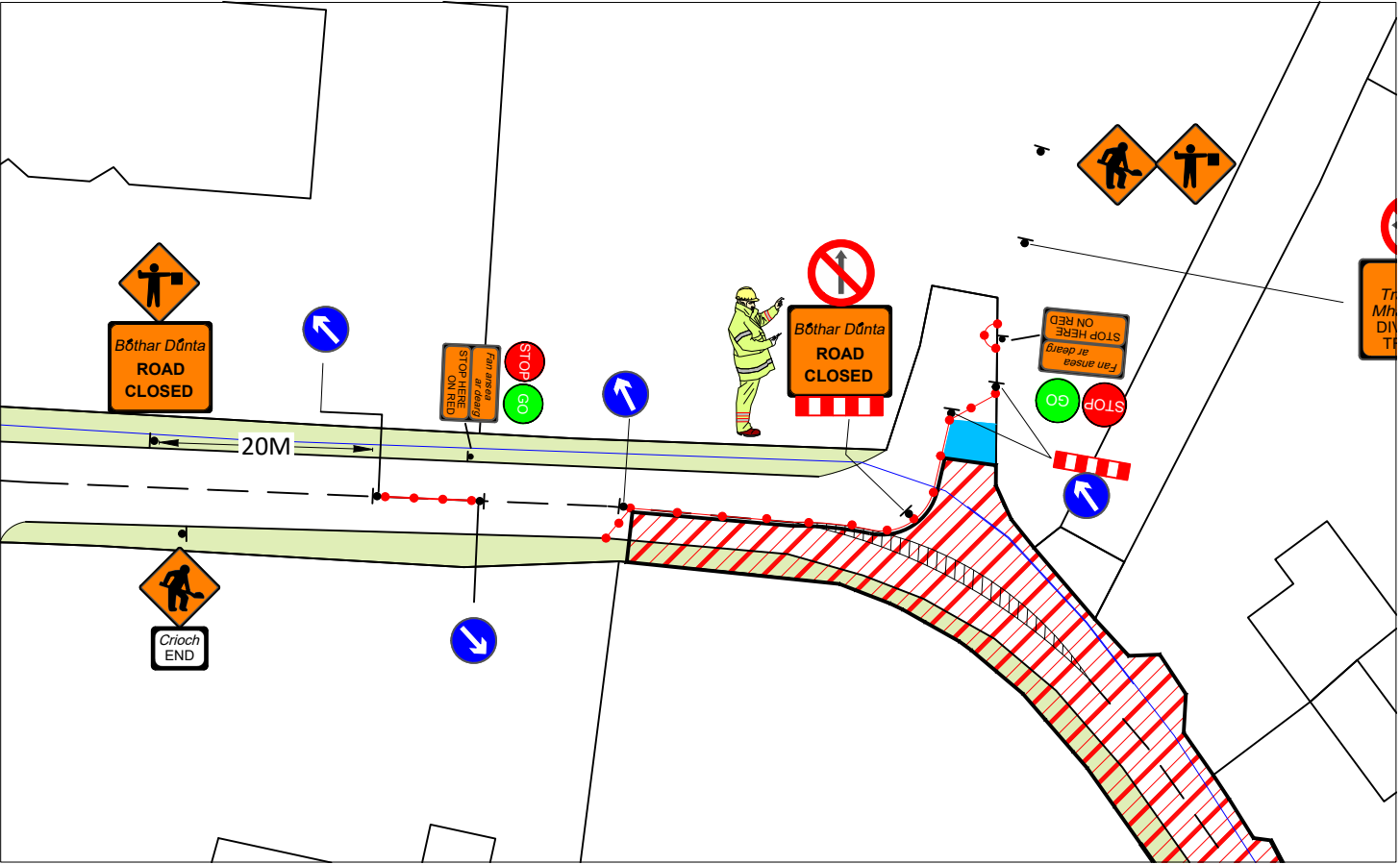
Design Parameters for Level 1 (ii) (Single Carriageway 50 km/h)	
Design Parameters	Roadworks Type A (>12 Hours)
Temporary Signs	
Sign Size (mm)	600 Min
Sign Visibility (m)	50
Number of Signs	2
Cumulative Distance (m)	40
Distance between advance signs (m)	20
Minimum Rate of Taper	
Taper at Lane (m) ¹	1 in 5
Taper at Hard Shoulder (m) ²	1 in 5
Maximum Cone Spacing	
Cone Height (mm)	750
At Taper (m) ³	3
Longitudinal (m) ³	3
Maximum Lamp Spacing	
At Taper (m)	6
Longitudinal (m)	6
Safety Zone	
Longitudinal (m)	5
Lateral (m)	0.5
Lanes	
Minimum Lane/Width (m)	3 (2.5)
Two-way Roadway Width (m)	5
Note: A. 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres. B. Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly. C. The optimum lane width for all classes of vehicles is 3.3m. This may be reduced to a minimum of 3.0m. Below this, HGVs and buses must be marshalled past the works. The absolute minimum lane width, if only cars and light vehicles are present, is 2.5m. Refer to Chapter 8, Paragraphs 8.4.3.1 to 8.4.3.3.	



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Project ;	WNM Construction Works - SECTION 03 & SECTION 4		
Location ;	R405 Hazelhatch Road Celbridge to Keatings Park Celbridge Kildare		
TM Method ;	Road Closure - Detailed Site Layout		
Designer ; KM	Drawn ; KM	Approved ; DG	
Date ;	28/11/2025		
Scale ;	NTS - USE FIGURED DIMENSIONS ONLY		
TMP Guide Reference ;	TMP-002		
Dwg Number ;	GMC-TMP-22831-REV00		

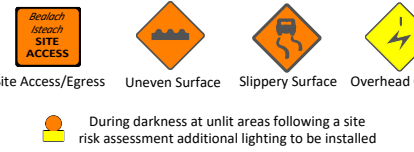
JUNCTION SETUP



SITE LOCATION MAP - R405 Hazelhatch Road to Keatings Park Cellbridge Kildare



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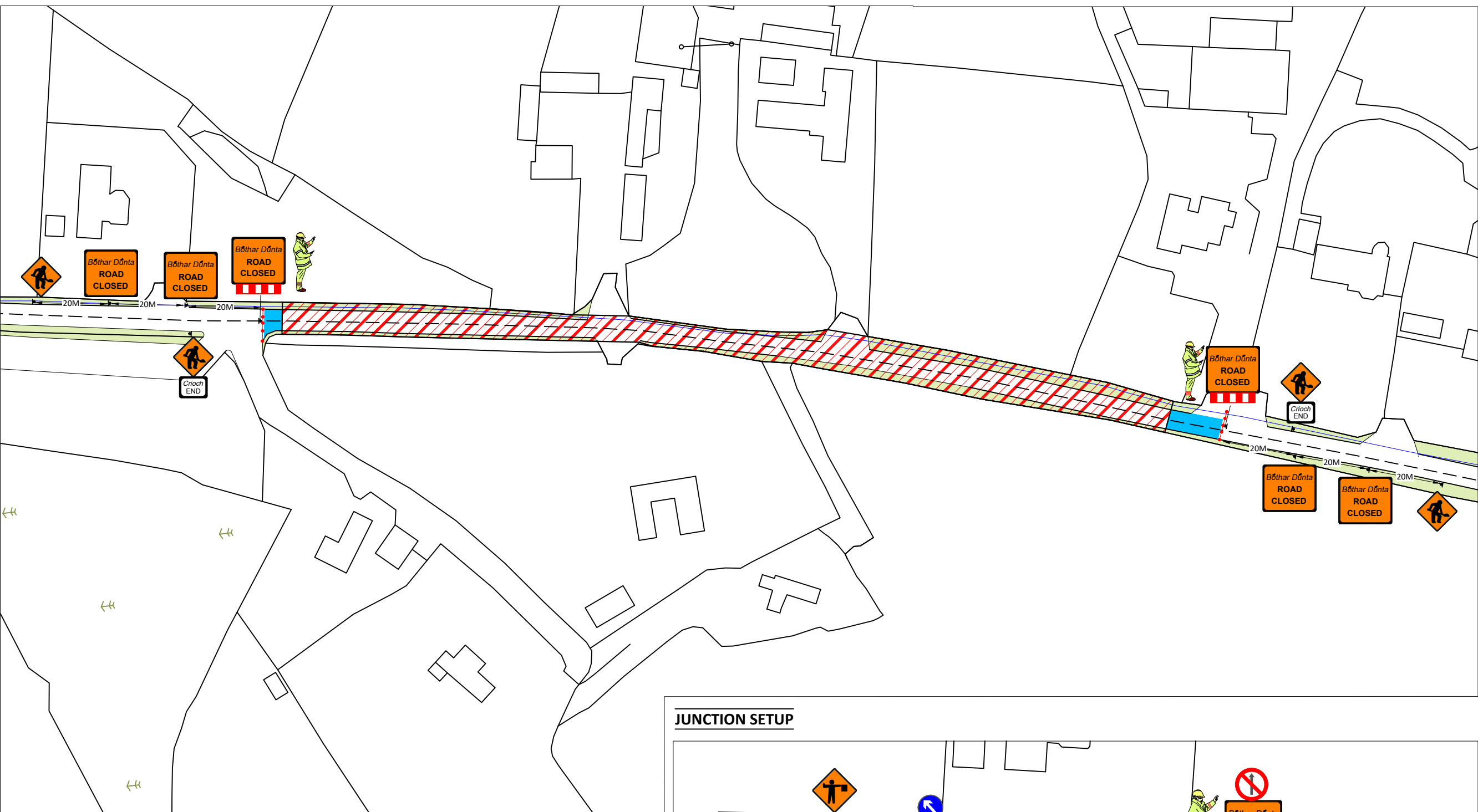
- During darkness at unlit areas following a site risk assessment additional lighting to be installed
- LEGEND:**
- DIVERSION ROUTE
 - WORK/PLANT AREA
 - SAFETY AREA
 - LATERAL SAFETY ZONE
 - PEDESTRIAN BARRIER
 - SITE BARRIER
 - CONES
 - SIGN LOCATION & ORIENTATION
 - BARRIER BOARD

Design Parameters for Level 1 (ii) (Single Carriageway 50 km/h)	
Design Parameters	Roadworks Type A (>12 Hours)
Temporary Signs	
Sign Size (mm)	600 Min
Sign Visibility (m)	50
Number of Signs	2
Cumulative Distance (m)	40
Distance between advance signs (m)	20
Minimum Rate of Taper	
Taper at Lane (m) ¹	1 in 5
Taper at Hard Shoulder (m) ¹	1 in 5
Maximum Cone Spacing	
Cone Height (mm)	750
At Taper (m) ²	3
Longitudinal (m) ²	3
Maximum Lamp Spacing	
At Taper (m)	6
Longitudinal (m)	6
Safety Zone	
Longitudinal (m)	5
Lateral (m)	0.5
Lanes	
Minimum Lane/Width (m)	3 (2.5)
Two-way Roadway Width (m)	5
Note: A. 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres. B. Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly. C. The optimum lane width for all classes of vehicles is 3.3m. This may be reduced to a minimum of 3.0m. Below this, HGVs and buses must be marshalled past the works. The absolute minimum lane width, if only cars and light vehicles are present, is 2.5m. Refer to Chapter 8, Paragraphs 8.4.3.1 to 8.4.3.3.	

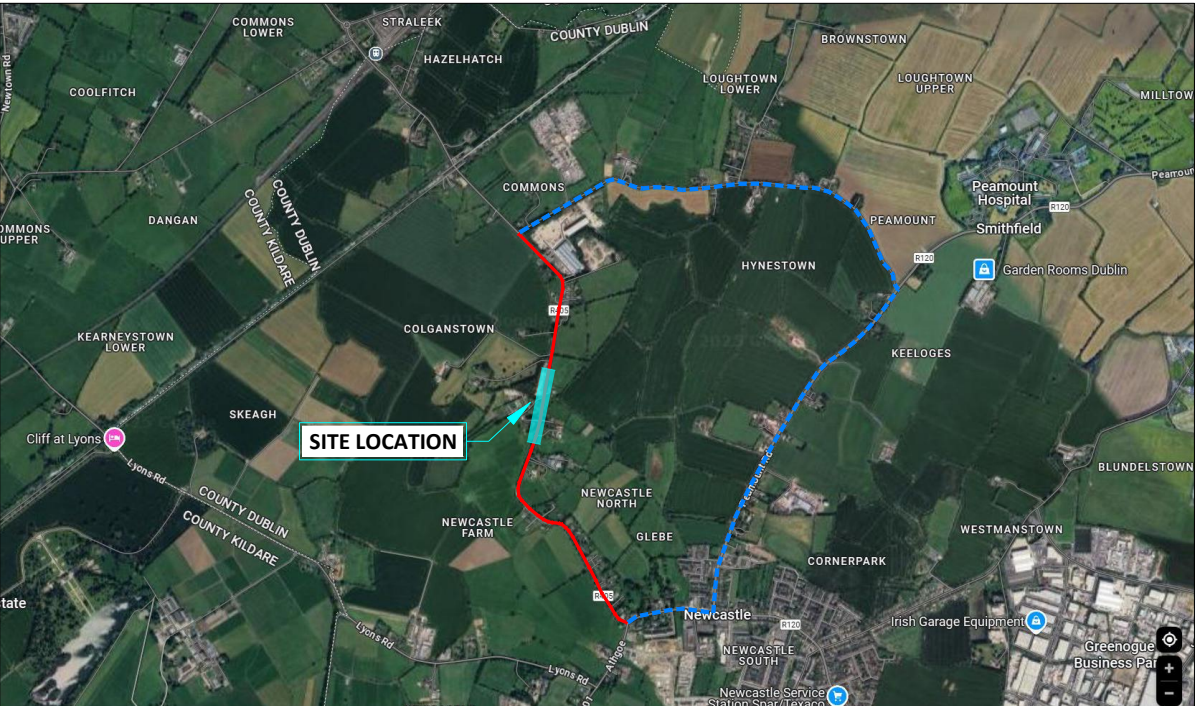
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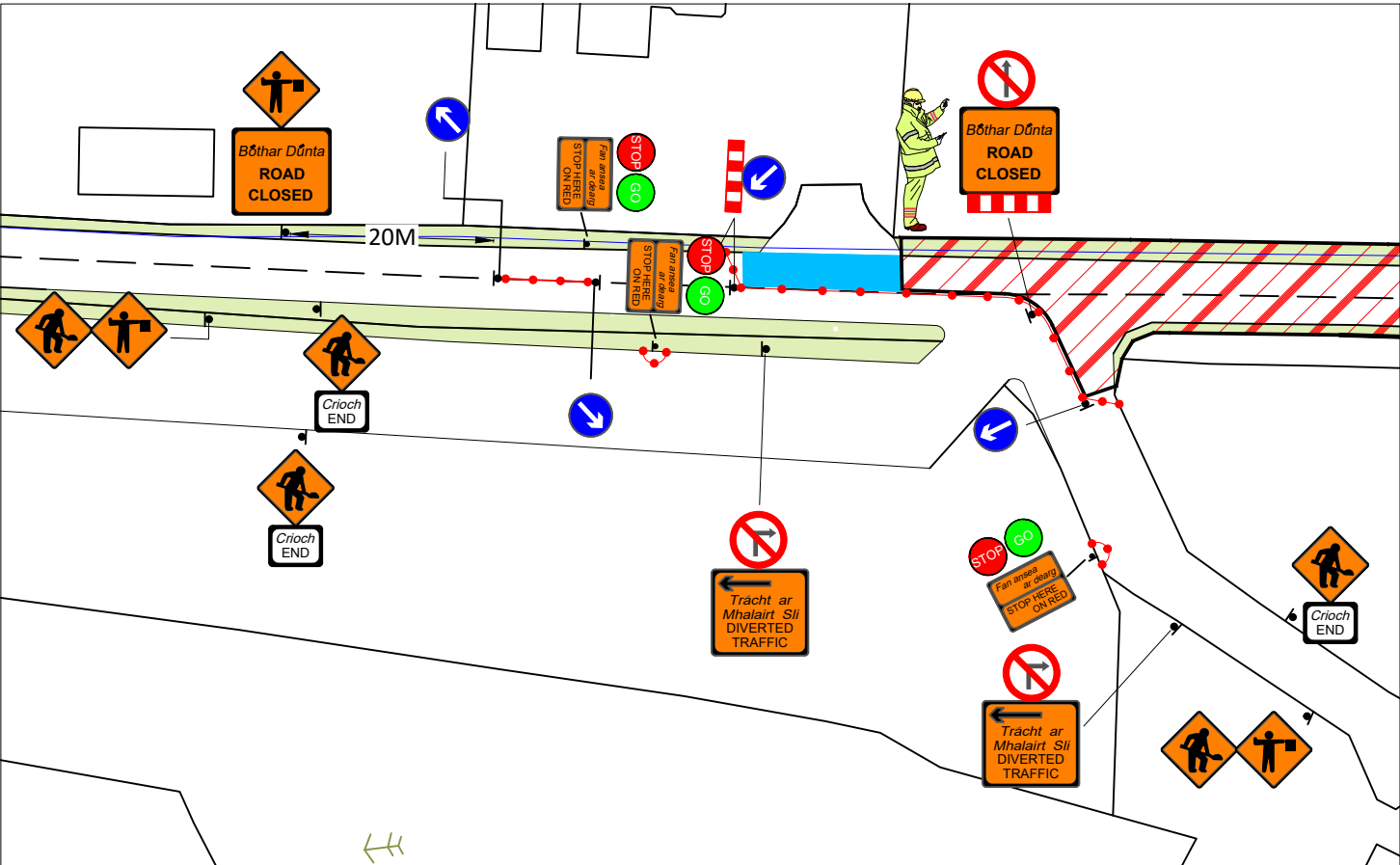
Project ; WNM Construction Works - SECTION 03 & SECTION 4	
Location ; R405 Hazelhatch Road Celbridge to Keatings Park Celbridge Kildare	
TM Method ; Road Closure - Detailed Site Layout	
Designer ; KM	Drawn ; KM
Approved ; DG	
Date ; 28/11/2025	
Scale ; NTS - USE FIGURED DIMENSIONS ONLY	
TMP Guide Reference ; TMP-003	
Dwg Number ; GMC-TMP-22832-REV00	



SITE LOCATION MAP - R405 Hazelhatch Road to Keatings Park Cellbridge Kildare



JUNCTION SETUP



SITE SPECIFIC NOTES

1. Traffic Management to comply with Temporary Traffic Management 2019 publications Chapter 8 Traffic Signs Manual, Design Guidance & Operation Guidance.
2. Road closed, diversion route provided.
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During darkness at unlit areas following a site risk assessment additional lighting to be installed

LEGEND:

- DIVERSION ROUTE
- WORK/PLANT AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- SITE BARRIER
- CONES
- SIGN LOCATION & ORIENTATION
- BARRIER BOARD

Design Parameters for Level 1 (ii) (Single Carriageway 50 km/h)	
Design Parameters	Roadworks Type A (>12 Hours)
Temporary Signs	
Sign Size (mm)	600 Min
Sign Visibility (m)	50
Number of Signs	2
Cumulative Distance (m)	40
Distance between advance signs (m)	20
Minimum Rate of Taper	
Taper at Lane (m) ¹	1 in 5
Taper at Hard Shoulder (m) ¹	1 in 5
Maximum Cone Spacing	
Cone Height (mm)	750
At Taper (m) ²	3
Longitudinal (m) ²	3
Maximum Lamp Spacing	
At Taper (m)	6
Longitudinal (m)	6
Safety Zone	
Longitudinal (m)	5
Lateral (m)	0.5
Lanes	
Minimum Lane/Width (m)	3 (2.5)
Two-way Roadway Width (m)	5

Note:
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Project ;	WNM Construction Works - SECTION 03 & SECTION 4		
Location ;	R405 Hazelhatch Road Celbridge to Keatings Park Celbridge Kildare		
TM Method ;	Road Closure - Detailed Site Layout		
Designer ; KM	Drawn ; KM	Approved ; DG	
Date ;	28/11/2025		
Scale ;	NTS - USE FIGURED DIMENSIONS ONLY		
TMP Guide Reference ;	TMP-005		
Dwg Number ;	GMC-TMP-22834-REV00		



SITE SPECIFIC NOTES

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- Road closed, diversion route provided.
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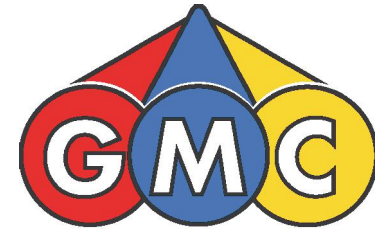
During darkness at unlit areas following a site risk assessment additional lighting to be installed

LEGEND:

DIVERSION ROUTE
WORK/PLANT AREA
SAFETY AREA
LATERAL SAFETY ZONE
PEDESTRIAN BARRIER
SITE BARRIER
CONES
SIGN LOCATION & ORIENTATION
BARRIER BOARD



Design Parameters for Level 1 (ii) (Single Carriageway 50 km/h)	
Design Parameters	Roadworks Type A (>12 Hours)
Temporary Signs	
Sign Size (mm)	600 Min
Sign Visibility (m)	50
Number of Signs	2
Cumulative Distance (m)	40
Distance between advance signs (m)	20
Minimum Rate of Taper	
Taper at Lane (m) ¹	1 in 5
Taper at Hard Shoulder (m) ²	1 in 5
Maximum Cone Spacing	
Cone Height (mm)	750
At Taper (m) ³	3
Longitudinal (m) ³	3
Maximum Lamp Spacing	
At Taper (m)	6
Longitudinal (m)	6
Safety Zone	
Longitudinal (m)	5
Lateral (m)	0.5
Lanes	
Minimum Lane/Width (m)	3 (2.5)
Two-way Roadway Width (m)	5
Note: A. 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres. B. Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly. C. The optimum lane width for all classes of vehicles is 3.3m. This may be reduced to a minimum of 3.0m. Below this, HGVs and buses must be marshalled past the works. The absolute minimum lane width, if only cars and light vehicles are present, is 2.5m. Refer to Chapter 8, Paragraphs 8.4.3.1 to 8.4.3.3.	

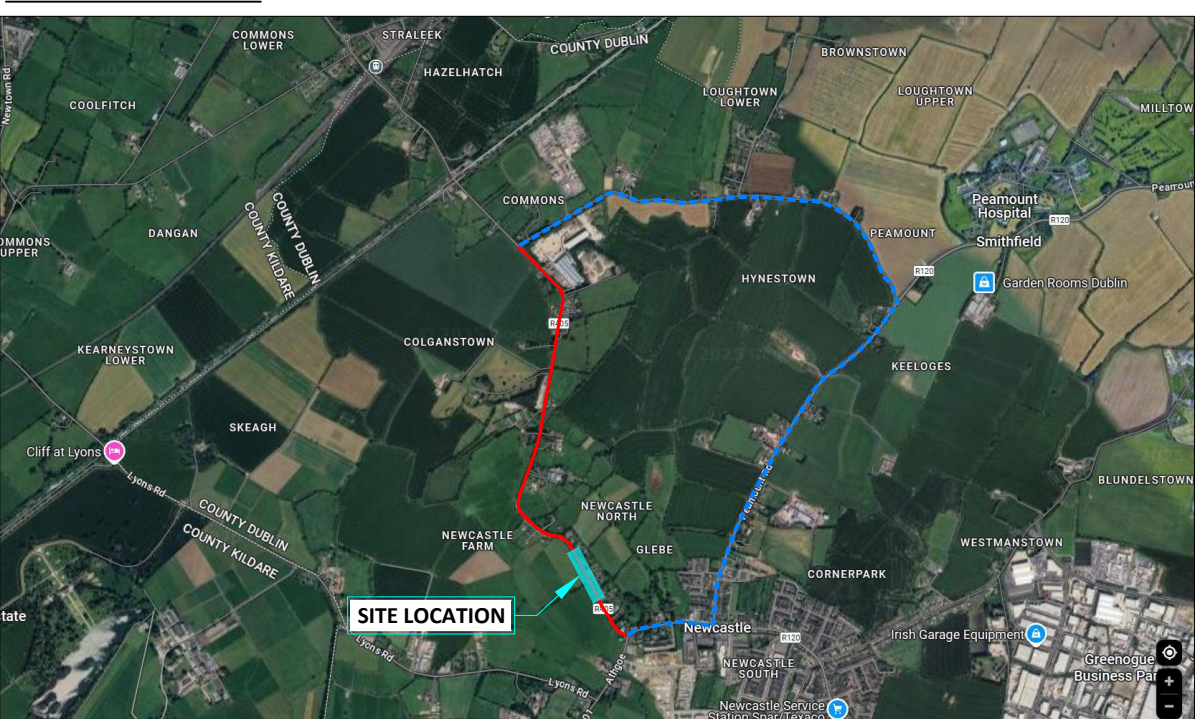


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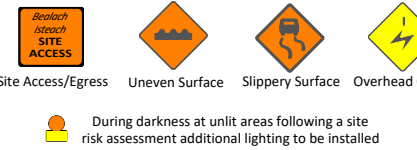
Project ;	WNM Construction Works - SECTION 03 & SECTION 4	
Location ;	R405 Hazelhatch Road Celbridge to Keatings Park Celbridge Kildare	
TM Method ;	Road Closure - Detailed Site Layout	
Designer ; KM	Drawn ; KM	Approved ; DG
Date ;	28/11/2025	
Scale ;	NTS - USE FIGURED DIMENSIONS ONLY	
TMP Guide Reference ;	TMP-006	
Dwg Number ;	GMC-TMP-22835-REV00	



SITE LOCATION MAP - R405 Hazelhatch Road to Keatings Park Cellbridge Kildare



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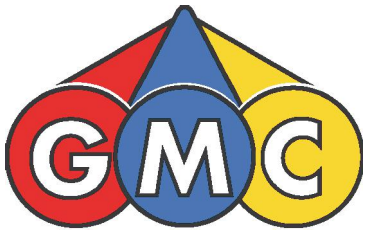
- LEGEND:**
- DIVERSION ROUTE
 - WORK/PLANT AREA
 - SAFETY AREA
 - LATERAL SAFETY ZONE
 - PEDESTRIAN BARRIER
 - SITE BARRIER
 - CONES
 - SIGN LOCATION & ORIENTATION
 - BARRIER BOARD

Design Parameters for Level 1 (ii) (Single Carriageway 50 km/h)	
Design Parameters	Roadworks Type A (>12 Hours)
Temporary Signs	
Sign Size (mm)	600 Min
Sign Visibility (m)	50
Number of Signs	2
Cumulative Distance (m)	40
Distance between advance signs (m)	20
Minimum Rate of Taper	
Taper at Lane (m) ^A	1 in 5
Taper at Hard Shoulder (m) ^A	1 in 5
Maximum Cone Spacing	
Cone Height (mm)	750
At Taper (m) ^B	3
Longitudinal (m) ^B	3
Maximum Lamp Spacing	
At Taper (m)	6
Longitudinal (m)	6
Safety Zone	
Longitudinal (m)	5
Lateral (m)	0.5
Lanes	
Minimum Lane/Width (m)	3 (2.5)
Two-way Roadway Width (m)	5
Note: A. 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres. B. Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly. C. The optimum lane width for all classes of vehicles is 3.3m. This may be reduced to a minimum of 3.0m. Below this, HGVs and buses must be marshalled past the works. The absolute minimum lane width, if only cars and light vehicles are present, is 2.5m. Refer to Chapter 8, Paragraphs 8.4.3.1 to 8.4.3.3.	

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Project ;		WNM Construction Works - SECTION 03 & SECTION 4	
Location ;		R405 Hazelhatch Road Celbridge to Keatings Park Celbridge Kildare	
TM Method ;		Road Closure - Detailed Site Layout	
Designer ; KM	Drawn ; KM	Approved ; DG	
Date ;		28/11/2025	
Scale ;		NTS - USE FIGURED DIMENSIONS ONLY	
TMP Guide Reference ;		TMP-008	
Dwg Number ;		GMC-TMP-22837-REV00	

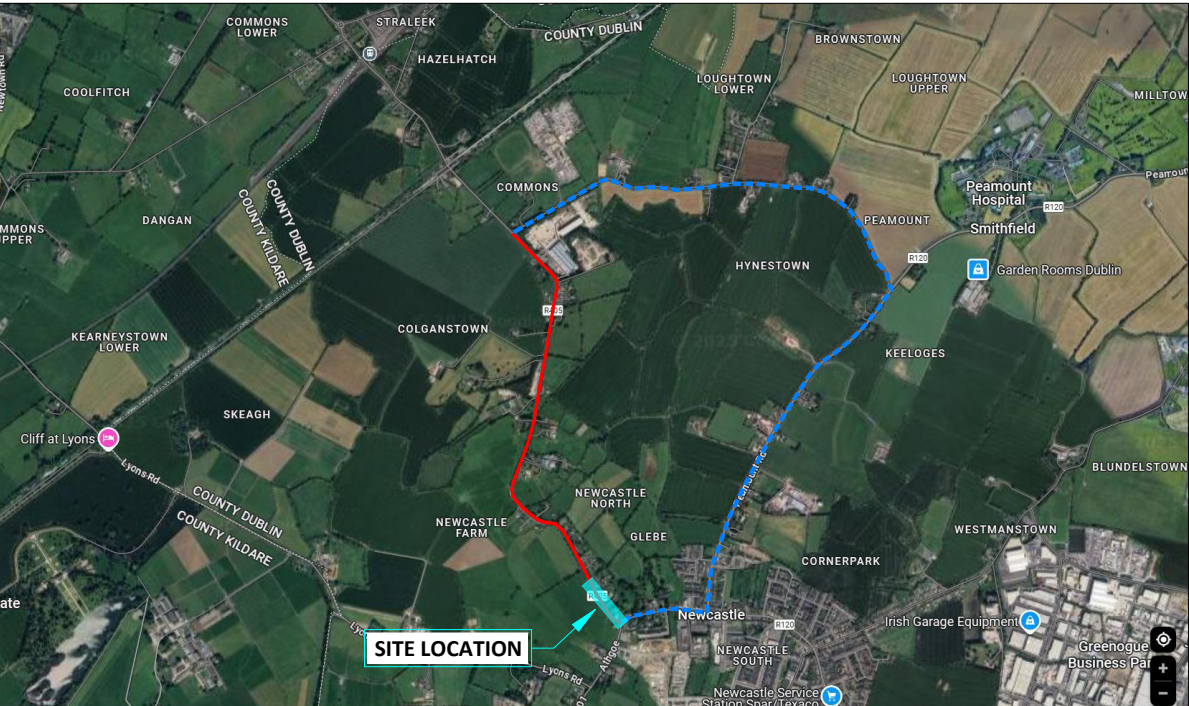


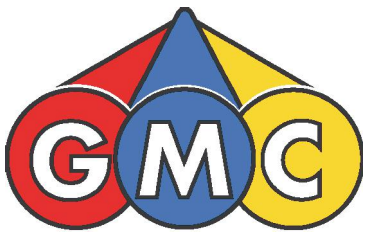
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Project ;	WNM Construction Works - SECTION 03 & SECTION 4		
Location ;	R405 Hazelhatch Road Celbridge to Keatings Park Celbridge Kildare		
TM Method ;	Road Closure - Detailed Site Layout		
Designer ; KM	Drawn ; KM	Approved ; DG	
Date ;	28/11/2025		
Scale ;	NTS - USE FIGURED DIMENSIONS ONLY		
TMP Guide Reference ;	TMP-009		
Dwg Number ;	GMC-TMP-22838-REV01		



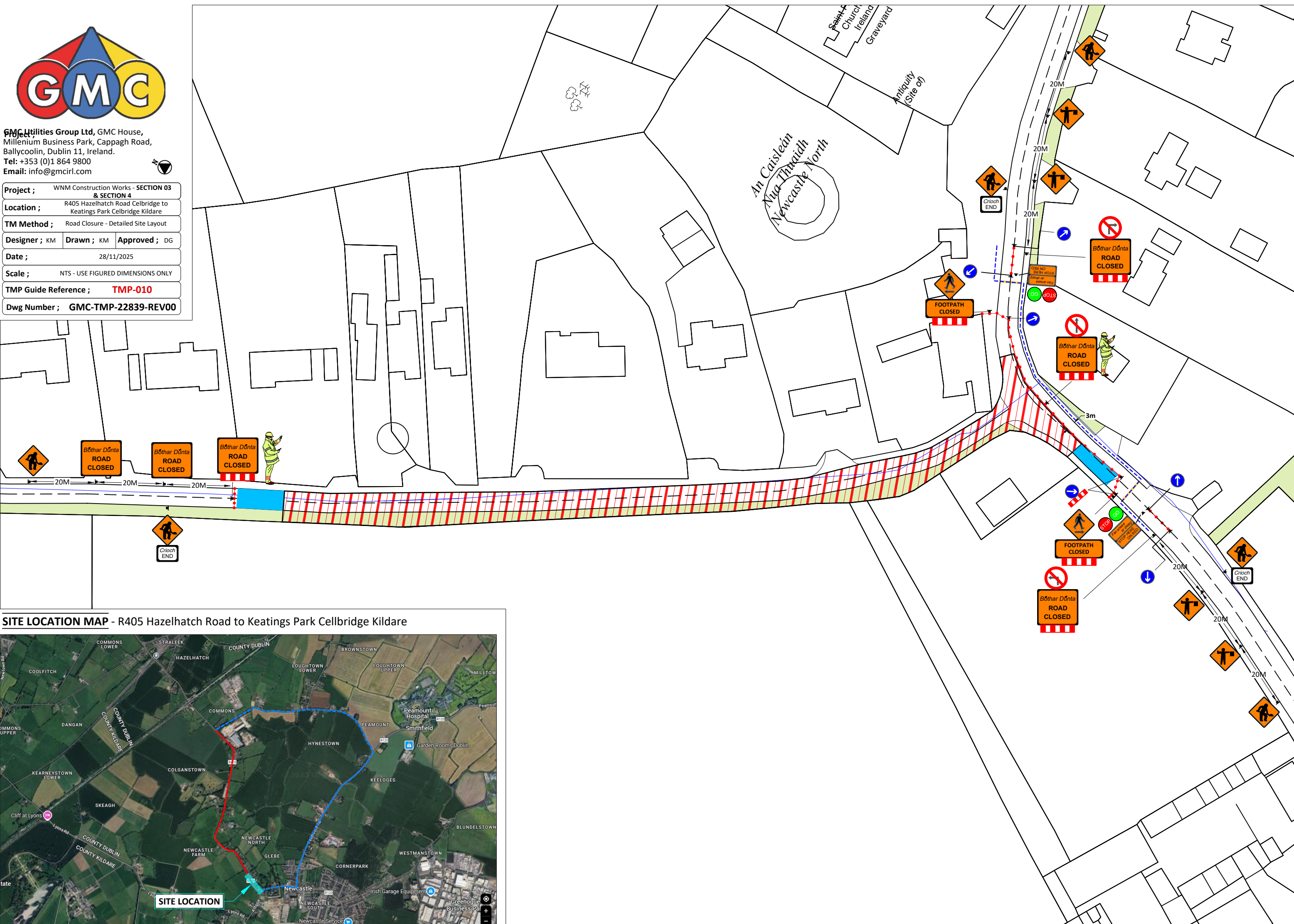
SITE LOCATION MAP - R405 Hazelhatch Road to Keatings Park Cellbridge Kildare





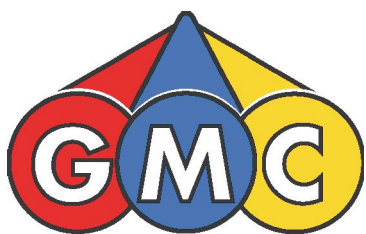
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TM Method ;	Road Closure - Detailed Site Layout		
Designer ; KM	Drawn ; KM	Approved ; DG	
Date ;	28/11/2025		
Scale ;	NTS - USE FIGURED DIMENSIONS ONLY		
TMP Guide Reference ;	TMP-010		
Dwg Number ;	GMC-TMP-22839-REV00		



SITE LOCATION MAP - R405 Hazelhatch Road to Keatings Park Cellbridge Kildare



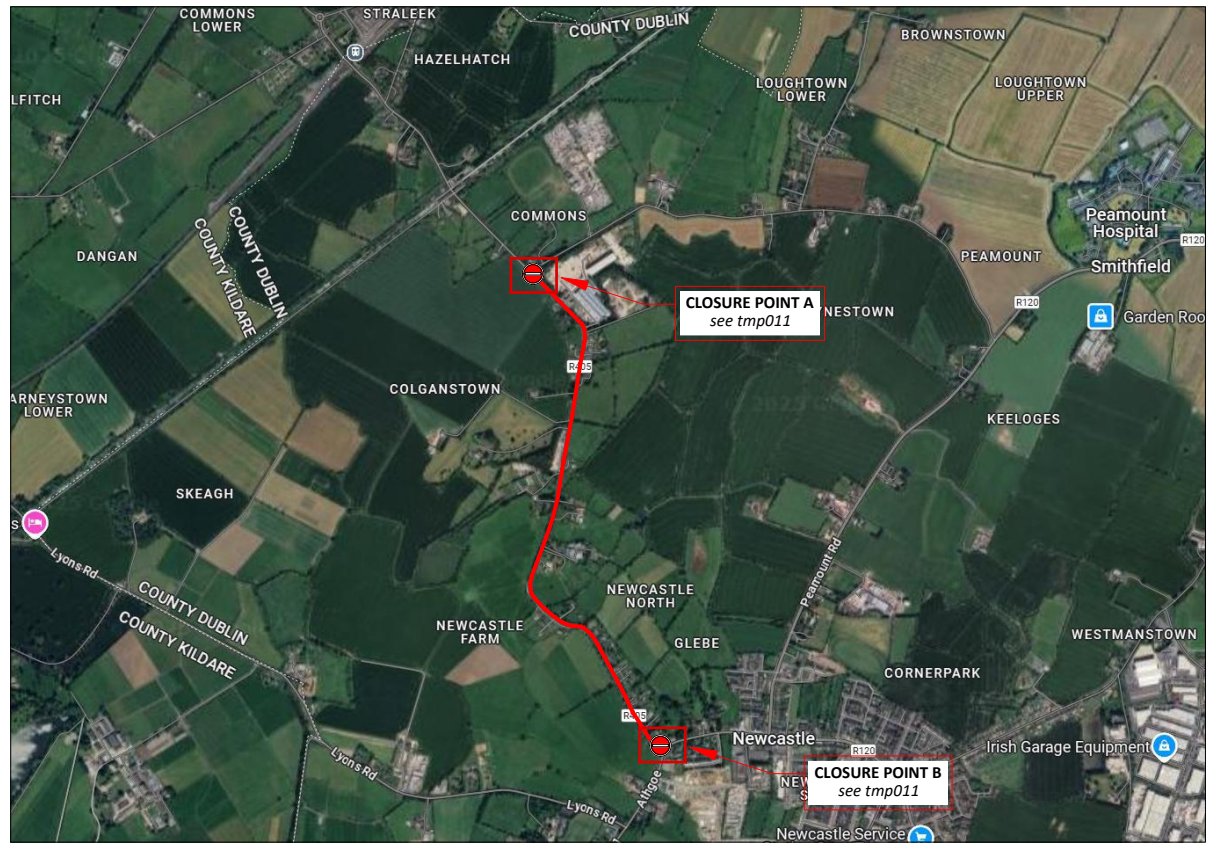


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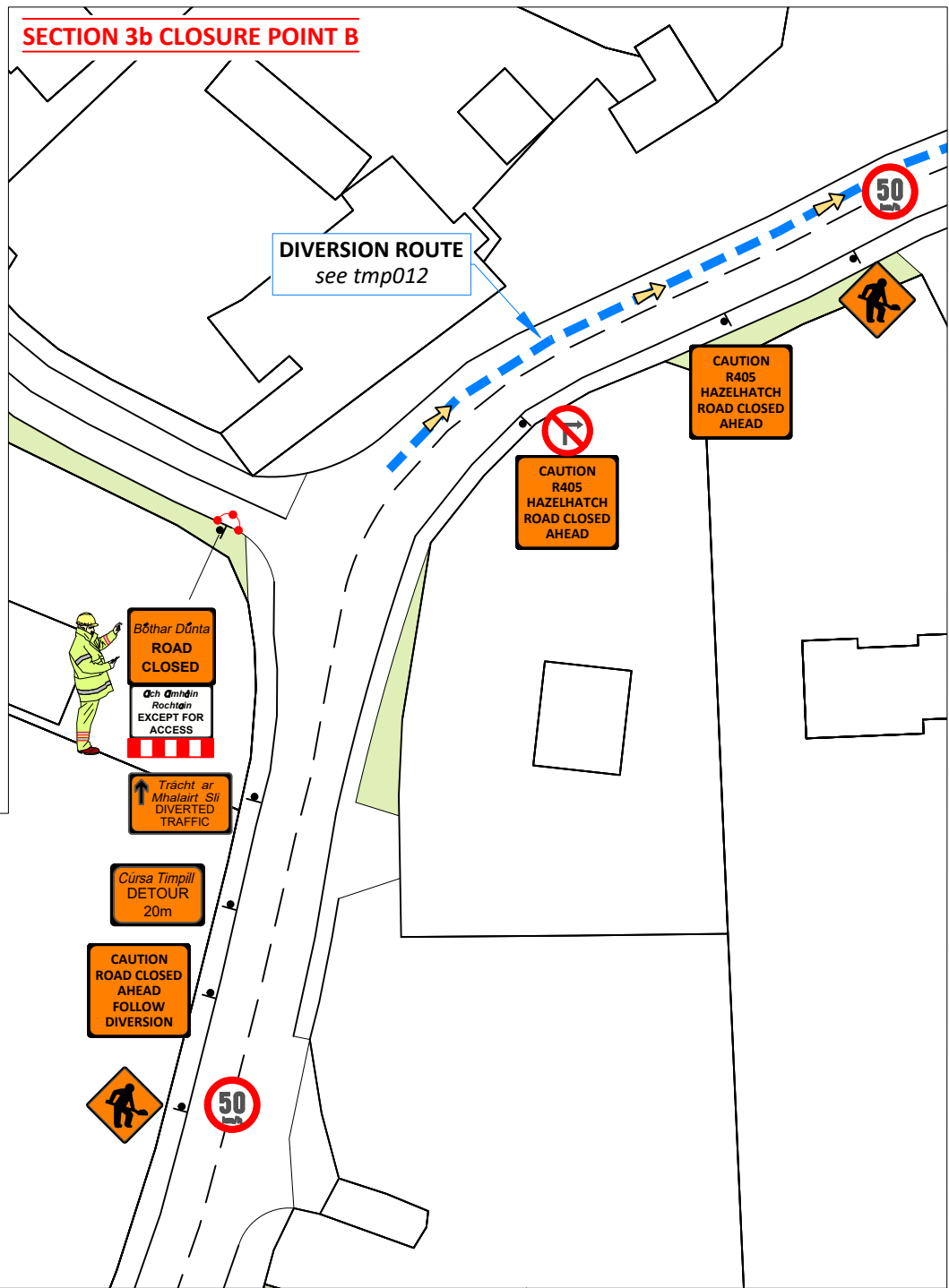
Project ;	WNM Construction Works - SECTION 03 & SECTION 4		
Location ;	R405 Hazelhatch Road Celbridge to Keatings Park Celbridge Kildare		
TM Method ;	Closure Points		
Designer ; KM	Drawn ; KM	Approved ; DG	
Date ;	28/11/2025		
Scale ;	NTS - USE FIGURED DIMENSIONS ONLY		
TMP Guide Reference ;	TMP-011		
Dwg Number ;	GMC-TMP-22840-REV02		

SECTION 3b CLOSURE POINT A

SITE LOCATION MAP - R405 Hazelhatch Road to Keatings Park Cellbridge Kildare



SECTION 3b CLOSURE POINT B



DIVERSION ROUTE POINT

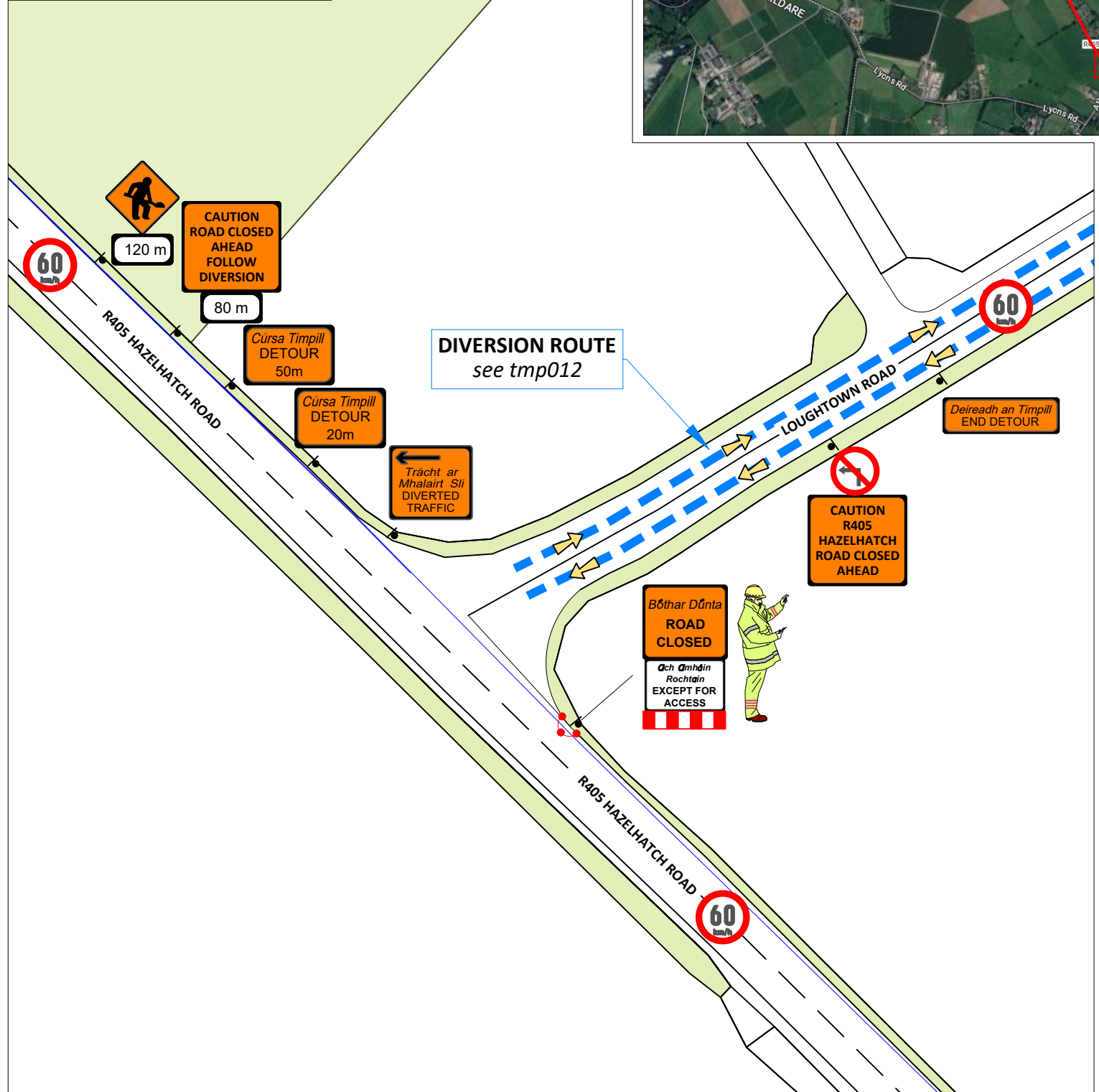
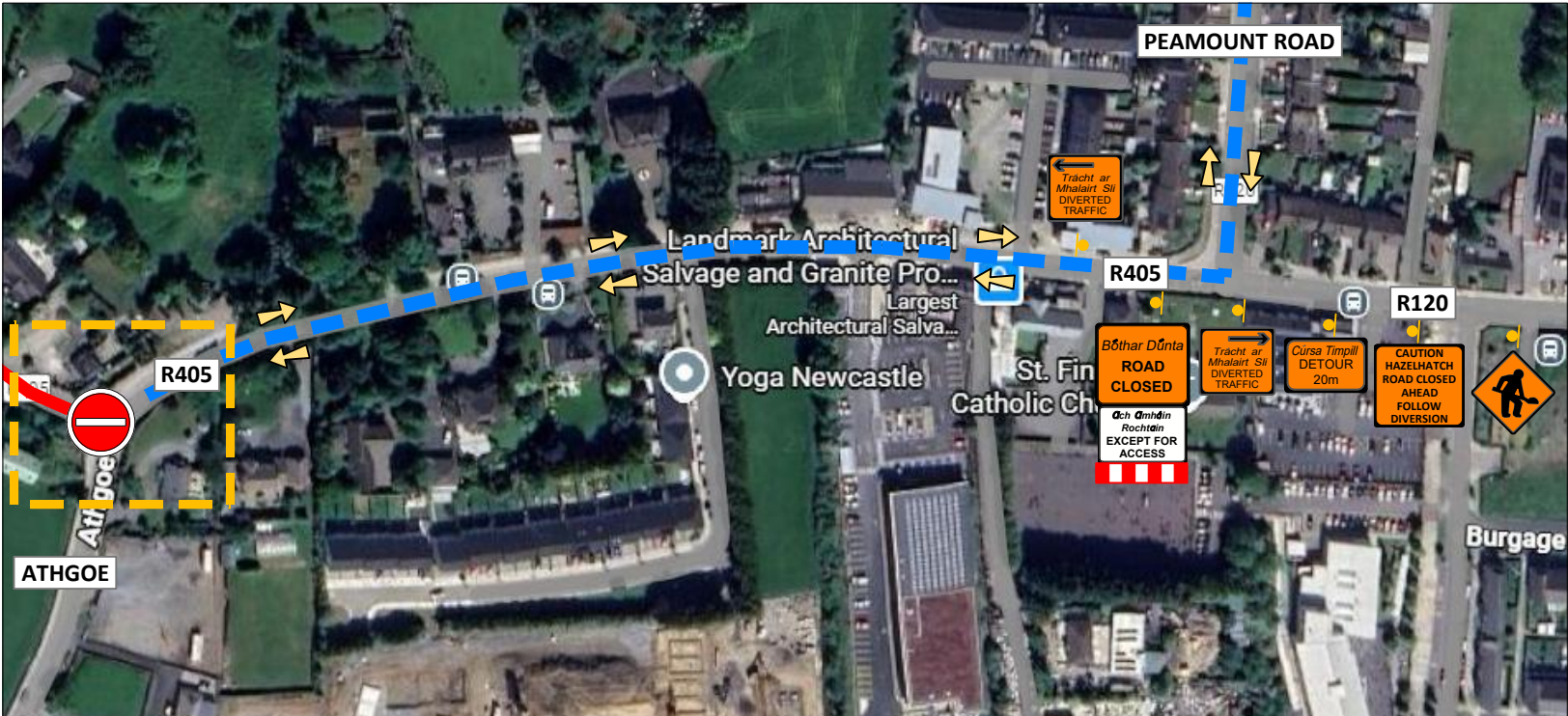
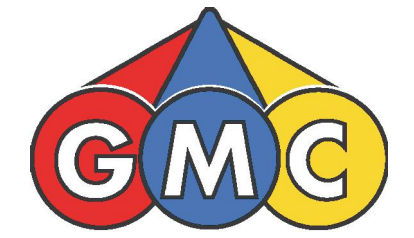
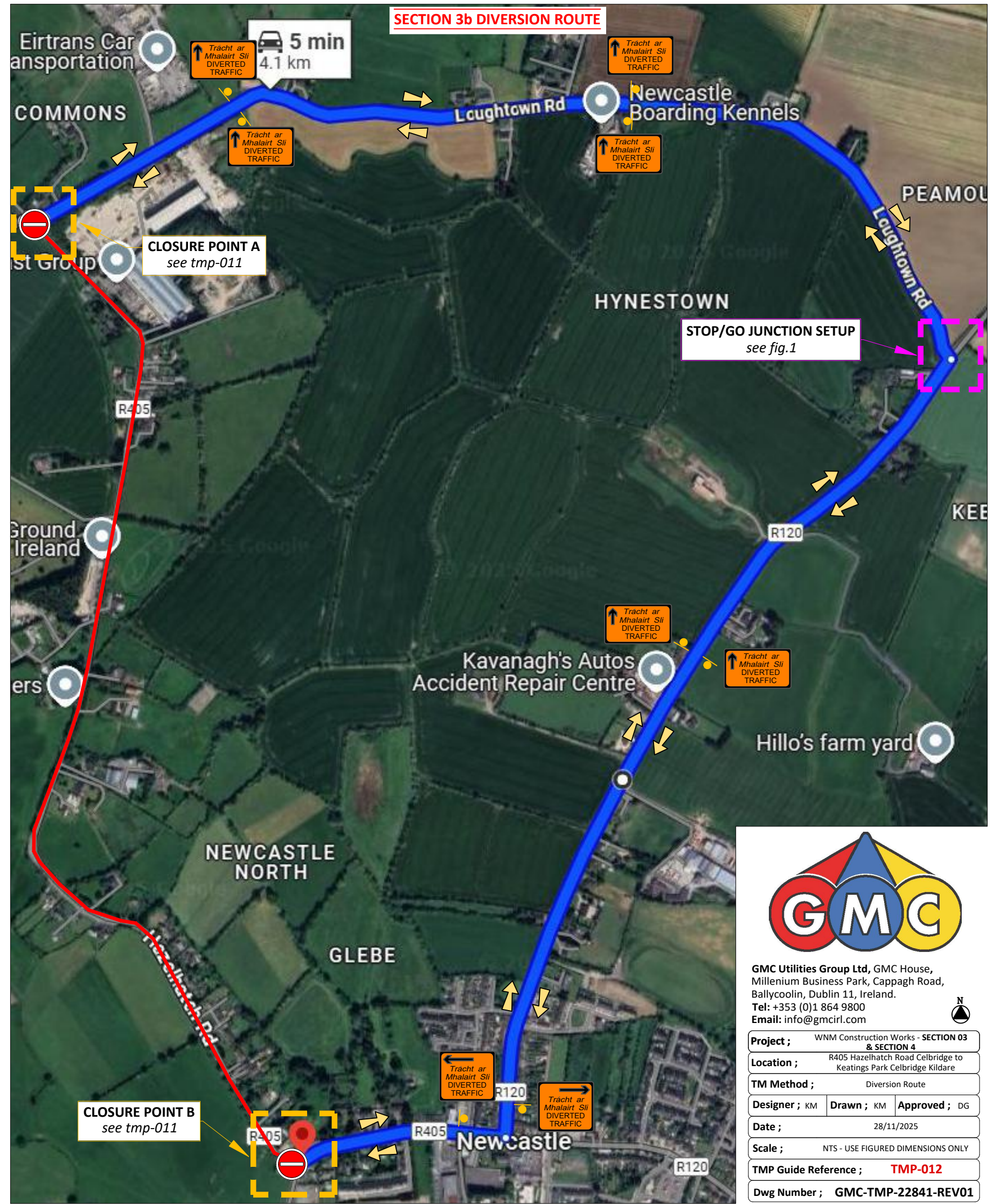
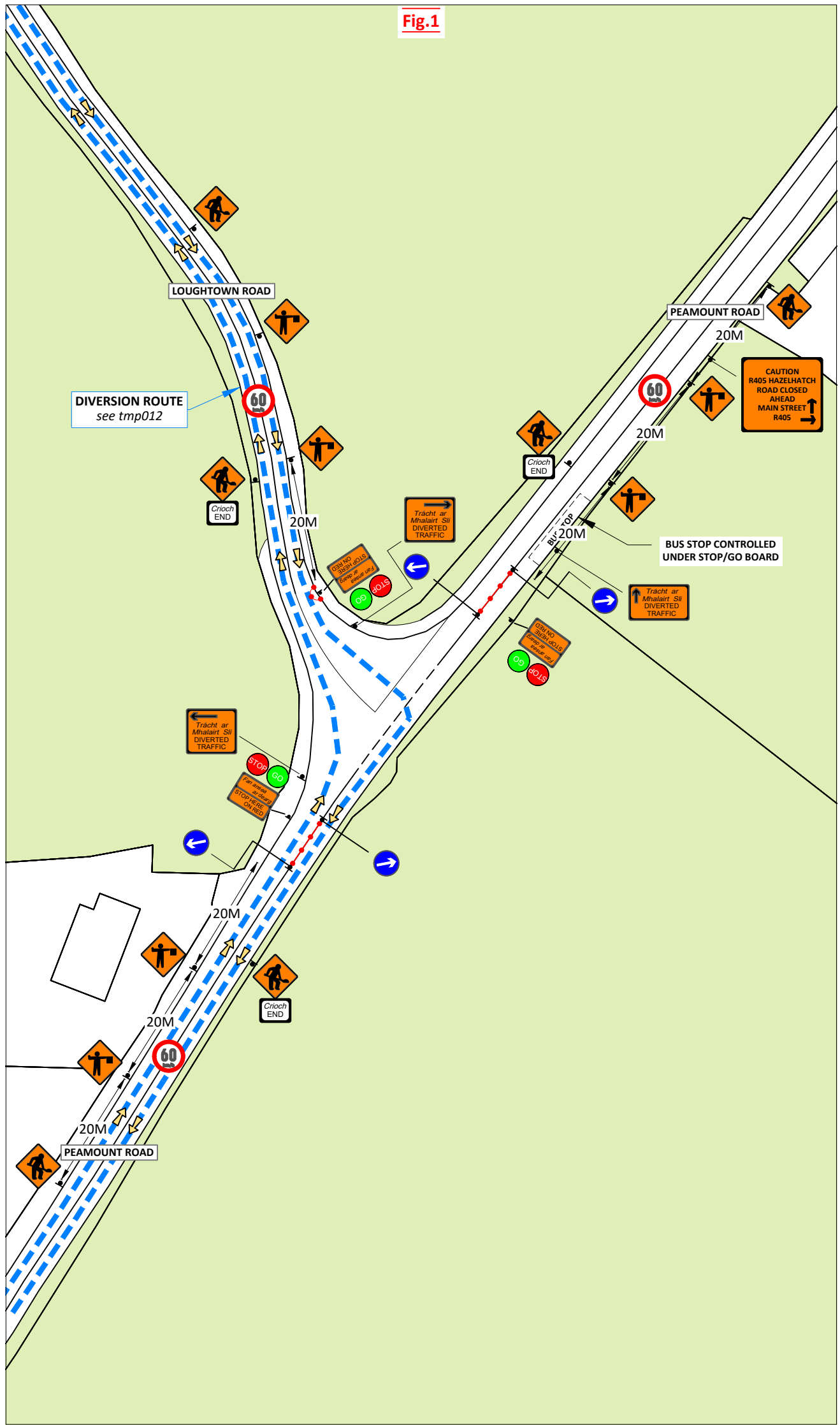


Fig.1



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Project ;	WNM Construction Works - SECTION 03 & SECTION 4		
Location ;	R405 Hazelhatch Road Celbridge to Keatings Park Celbridge Kildare		
TM Method ;	Diversion Route		
Designer ; KM	Drawn ; KM	Approved ; DG	
Date ;	28/11/2025		
Scale ;	NTS - USE FIGURED DIMENSIONS ONLY		
TMP Guide Reference ;	TMP-012		
Dwg Number ;	GMC-TMP-22841-REV01		