

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

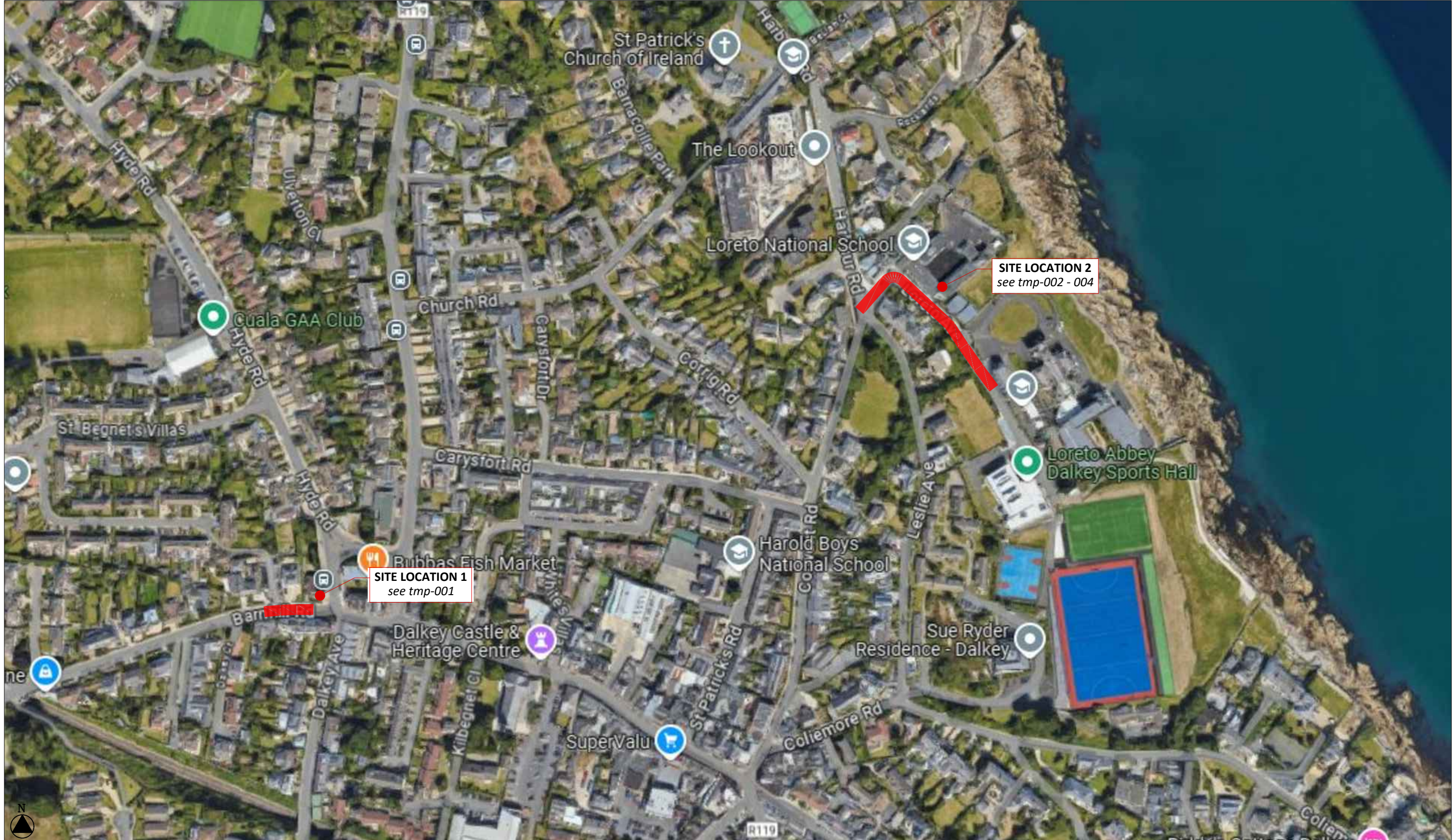
TRAFFIC MANAGEMENT PLAN

PROJECT
49144291 - Gas Networks Ireland

LOCATION
Loretto Primary School, Loretto Avenue, Dalkey Commons, Dalkey, Dublin



RECOMMENDED PRINT A3 | ISSUED : 13/11/2024 | REVISION - 02 | TMPs - 04 | DESIGNER -L.GRUNWALD | DRAWN - D.GOUGH | APPROVED - D.GOUGH



1. Traffic Management to comply with Temporary Traffic Management 2019 publications Chapter 8 Traffic Signs Manual, Design Guidance & Operation Guidance.
2. A minimum lane width of 3.0m to be maintained at all times.
3. 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)
4. A Pedestrian walkway of 1.2m minimum to be maintained at all times, kerb ramps to be provided where required
5. Work Area to be barriered at all times.
6. 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.
7. Below signage to be used where required....

Site Access/Egress Uneven Surface Slippery Surface Overhead Cables

During darkness at unlit areas following a site risk assessment additional lighting to be installed

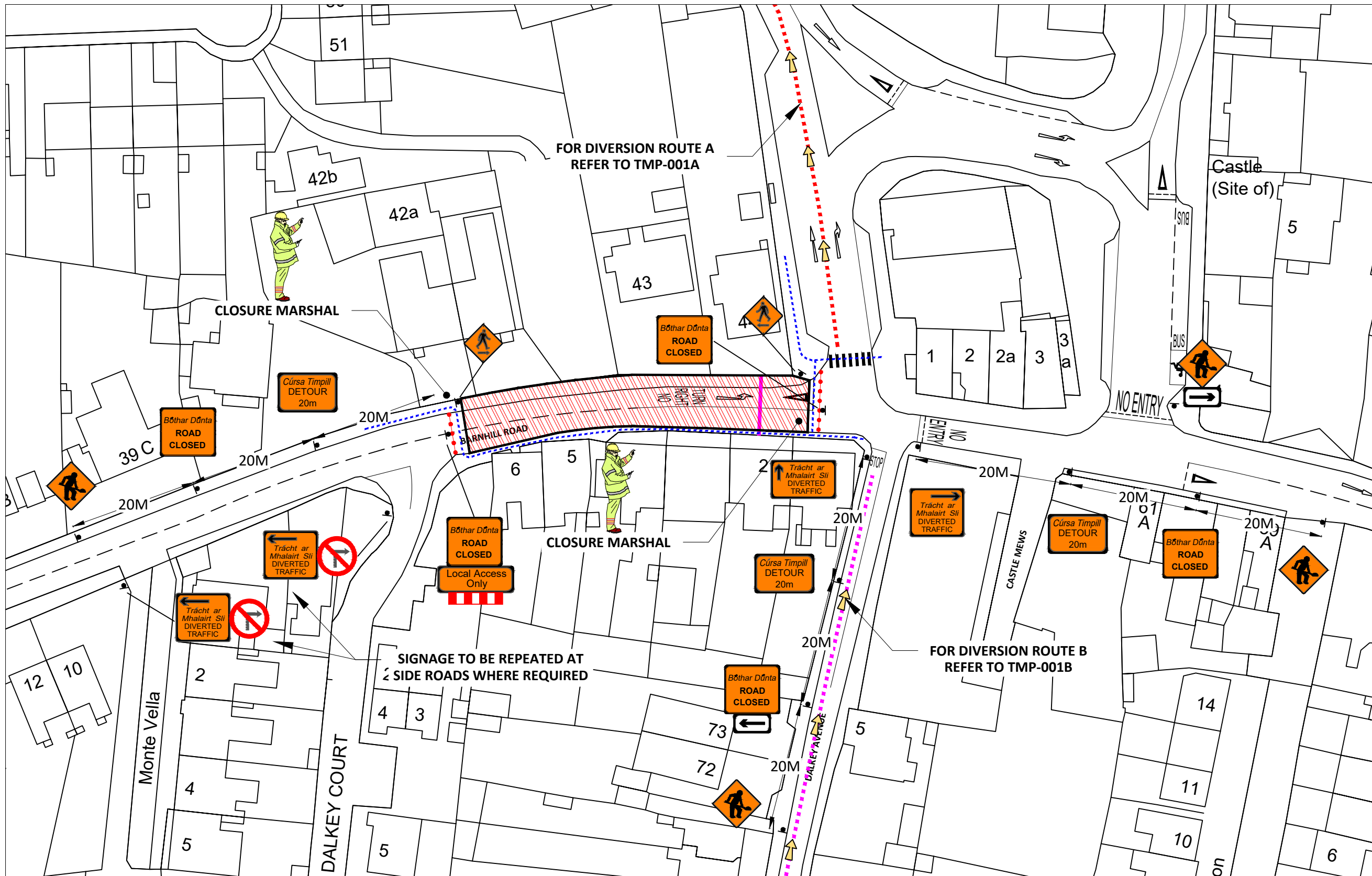
LEGEND:

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

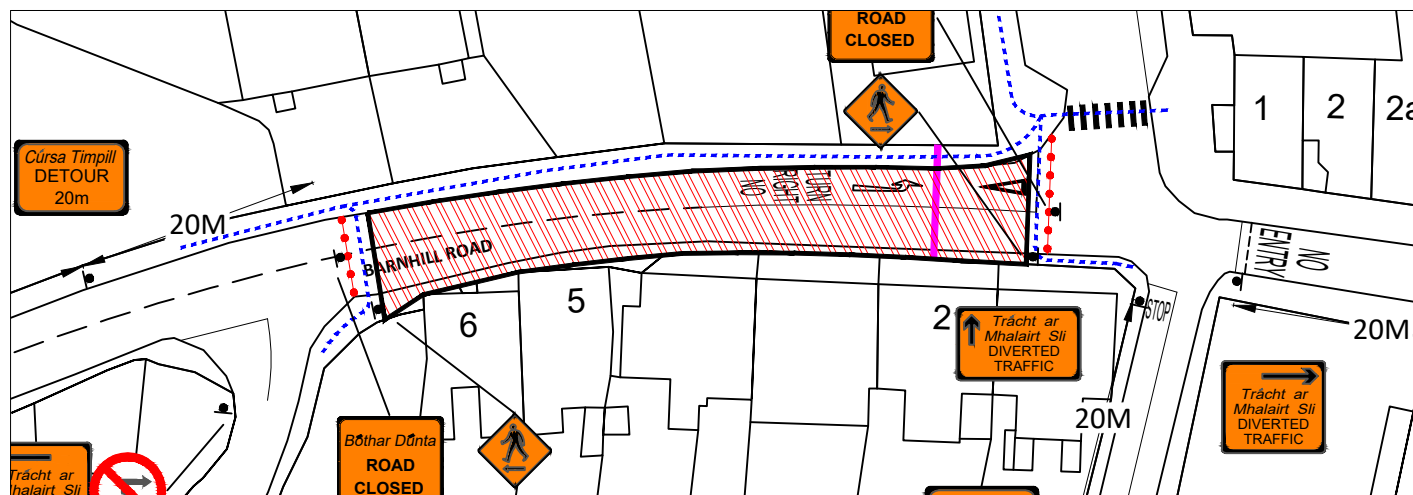
Design Parameters for Level 1 (III) (Single Carriageway 50 km/h)

Design Parameters	Roadworks Type B (<12 Hours)
Sign Size (mm)	Temporary Signs 600 Min
Sign Visibility (m)	50
Number of Signs	2
Cumulative Distance (m)	40
Distance between advance signs (m)	20
Taper at Lane (m)	Minimum Rate of Taper 1 in 5
Taper at Hard Shoulder (m)	1 in 5
Cone Height (mm)	750
At Taper (m)	3
Longitudinal (m)	3
At Taper (m)	6
Longitudinal (m)	6
Longitudinal (m)	5
Lateral (m)	0.5
Lanes	3 (2.5)
Minimum Lane Width (m)	3 (2.5)
Two-way Roadway Width (m)	5

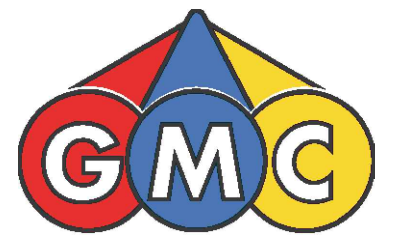
Note:
 A. 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres.
 B. Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly.
 C. The optimum lane width for all classes 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.



FOOTPATH DETAIL



SITE LOCATION MAP - Loretto Primary School, Loretto Avenue, Dalkey Commons, Dublin



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 Tel: +353 (0)1 864 9800
 Email: info@gmcirl.com

Project ;	49144291 - Gas Networks Ireland	
Location ;	Site Location 1 - Loretto Primary School	
TM Method ;	Road Closure	
Designer ; LG	Drawn ; LG	Approved ; DG
Date ;	13/11/2024	
Scale ;	NTS - USE FIGURED DIMENSIONS ONLY	
TMP Guide Reference ;	TMP-001	
Dwg Number ;	GMC-TMP-19438-REV02	



SITE SPECIFIC NOTES

1. Traffic Management to comply with Temporary Traffic Management 2019 publications Chapter 8 Traffic Signs Manual, Design Guidance & Operation Guidance.
2. A minimum lane width of 3.0m to be maintained at all times.
3. 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)
4. A Pedestrian walkway of 1.2m minimum to be maintained at all times, kerb ramps to be provided where required
5. Work Area to be barriered at all times.
6. 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.
7. Below signage to be used where required.....



During darkness at unlit areas following a site risk assessment additional lighting to be installed

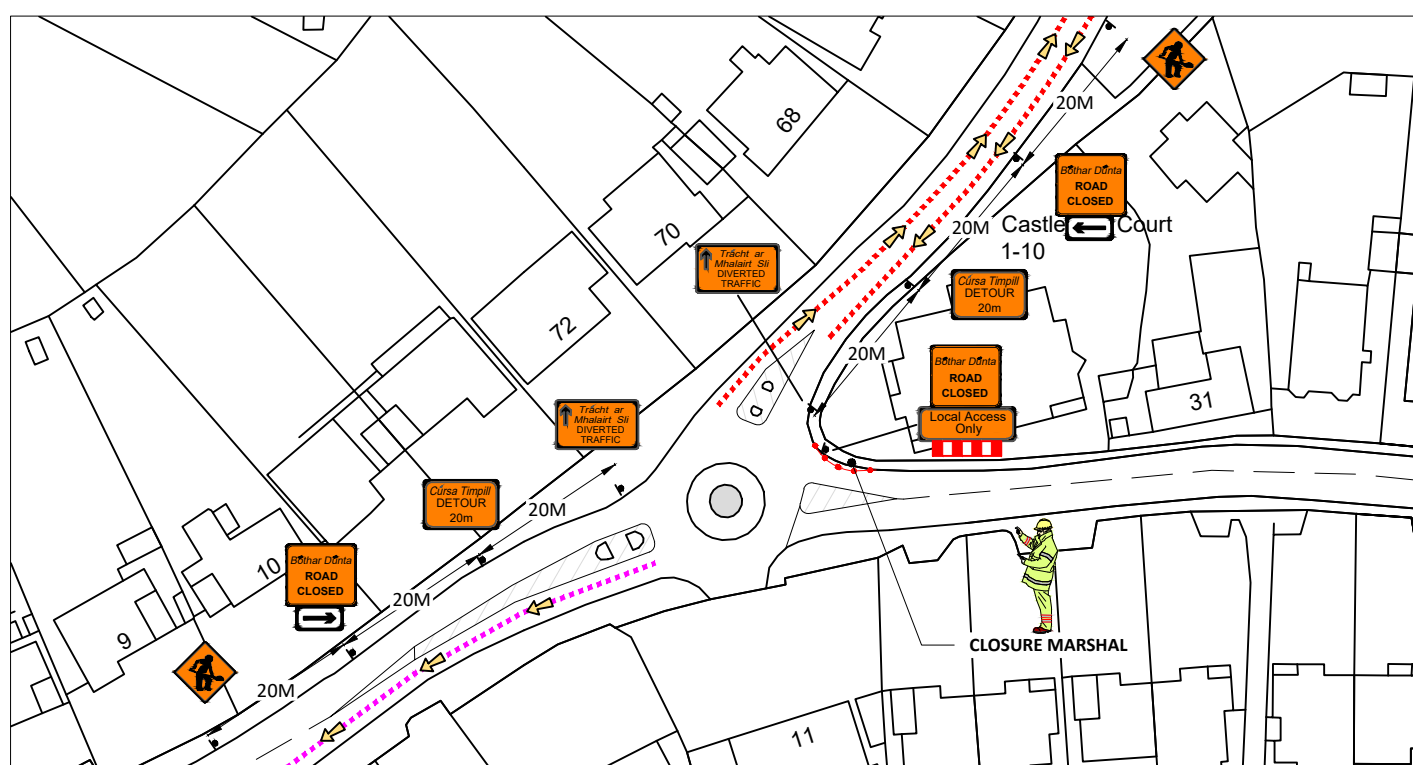
LEGEND:

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

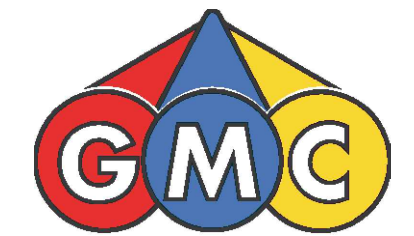
Design Parameters for Level 1 (all) (Single Carriageway 50 km/h)	
Design Parameters	Roadworks Type B (<12 Hours)
Sign Size (mm)	600 Min
Sign Visibility (m)	50
Number of Signs	2
Cumulative Distance (m)	40
Distance between advance signs (m)	20
Taper at Lane (m)	Minimum Rate of Taper 1 in 5
Taper at Hard Shoulder (m)	1 in 5
Cone Height (mm)	750
At Taper (m)	3
Longitudinal (m)	3
At Taper (m)	6
Longitudinal (m)	6
Longitudinal (m)	5
Lateral (m)	0.5
Lanes	3 (2.5)
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.

CLOSURE POINT



SITE LOCATION MAP - Loretto Primary School, Loretto Avenue, Dalkey Commons, Dublin



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

Project ;	49144291 - Gas Networks Ireland	
Location ;	Site Location 1 - Loretto Primary School	
TM Method ;	Road Closure - Diversion A	
Designer ; LG	Drawn ; LG	Approved ; DG
Date ;	13/11/2024	
Scale ;	NTS - USE FIGURED DIMENSIONS ONLY	
TMP Guide Reference ;	TMP-001A	
Dwg Number ;	GMC-TMP-20182-REV00	



- SITE SPECIFIC NOTES**
- Traffic Management to comply with Temporary Traffic Management 2019 publications Chapter 8 Traffic Signs Manual, Design Guidance & Operation Guidance.
 - A minimum lane width of 3.0m to be maintained at all times.
 - 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....



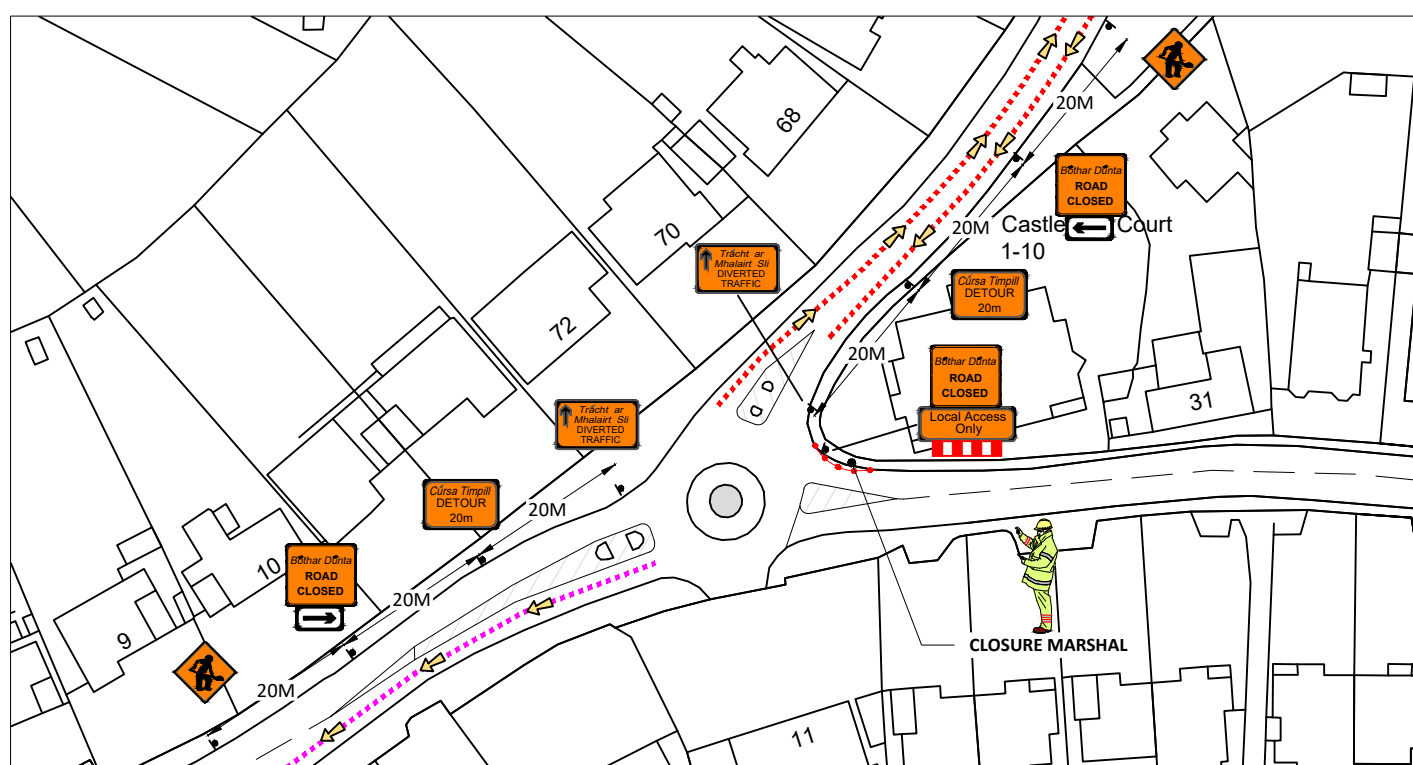
During darkness at unit areas following a site risk assessment additional lighting to be installed

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

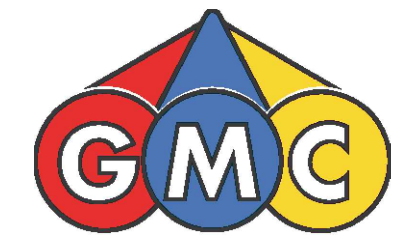
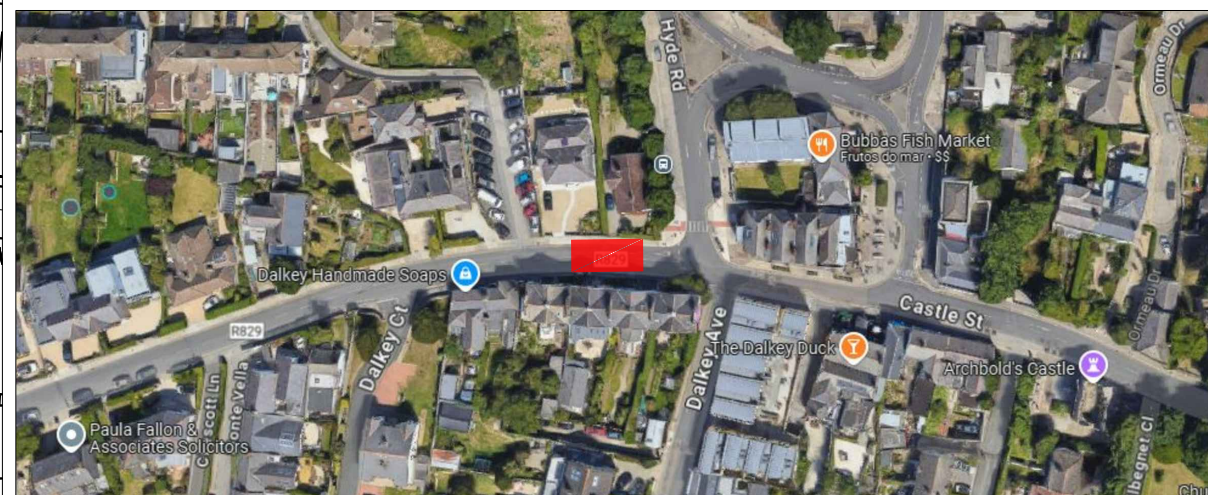
Design Parameters for Level 1 (all) (Single Carriageway 50 km/h)	
Design Parameters	Roadworks Type B (<12 Hours)
Sign Size (mm)	600 Min
Sign Visibility (m)	50
Number of Signs	2
Cumulative Distance (m)	40
Distance between advance signs (m)	20
Minimum Rate of Taper	
Taper at Lane (m)	1 in 5
Taper at Hard 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.

CLOSURE POINT



SITE LOCATION MAP - Loretto Primary School, Loretto Avenue, Dalkey Commons, Dublin



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

Project ;	49144291 - Gas Networks Ireland	
Location ;	Site Location 1 - Loretto Primary School	
TM Method ;	Road Closure - Diversion B	
Designer ; LG	Drawn ; LG	Approved ; DG
Date ;	13/11/2024	
Scale ;	NTS - USE FIGURED DIMENSIONS ONLY	
TMP Guide Reference ;	TMP-001B	
Dwg Number ;	GMC-TMP-20183-REV00	

SITE LOCATION MAP - Loretto Primary School, Loretto Avenue, Dalkey Commons, Dublin



SITE SPECIFIC NOTES

1. Traffic Management to comply with Temporary Traffic Management 2019 publications Chapter 8 Traffic Signs Manual, Design Guidance & Operation Guidance.
2. Local access to be maintained at all times.
3. On single carriageway roads of 30 km/h signs to be placed at 10m intervals. Additional signage may be used where deemed necessary. (Type A & B)
4. All effected residents and business to be notified via letter drop of road closure and premises signed where required
5. Work Area to be barriered at all times.
6. 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.
7. Below signage to be used where required.....



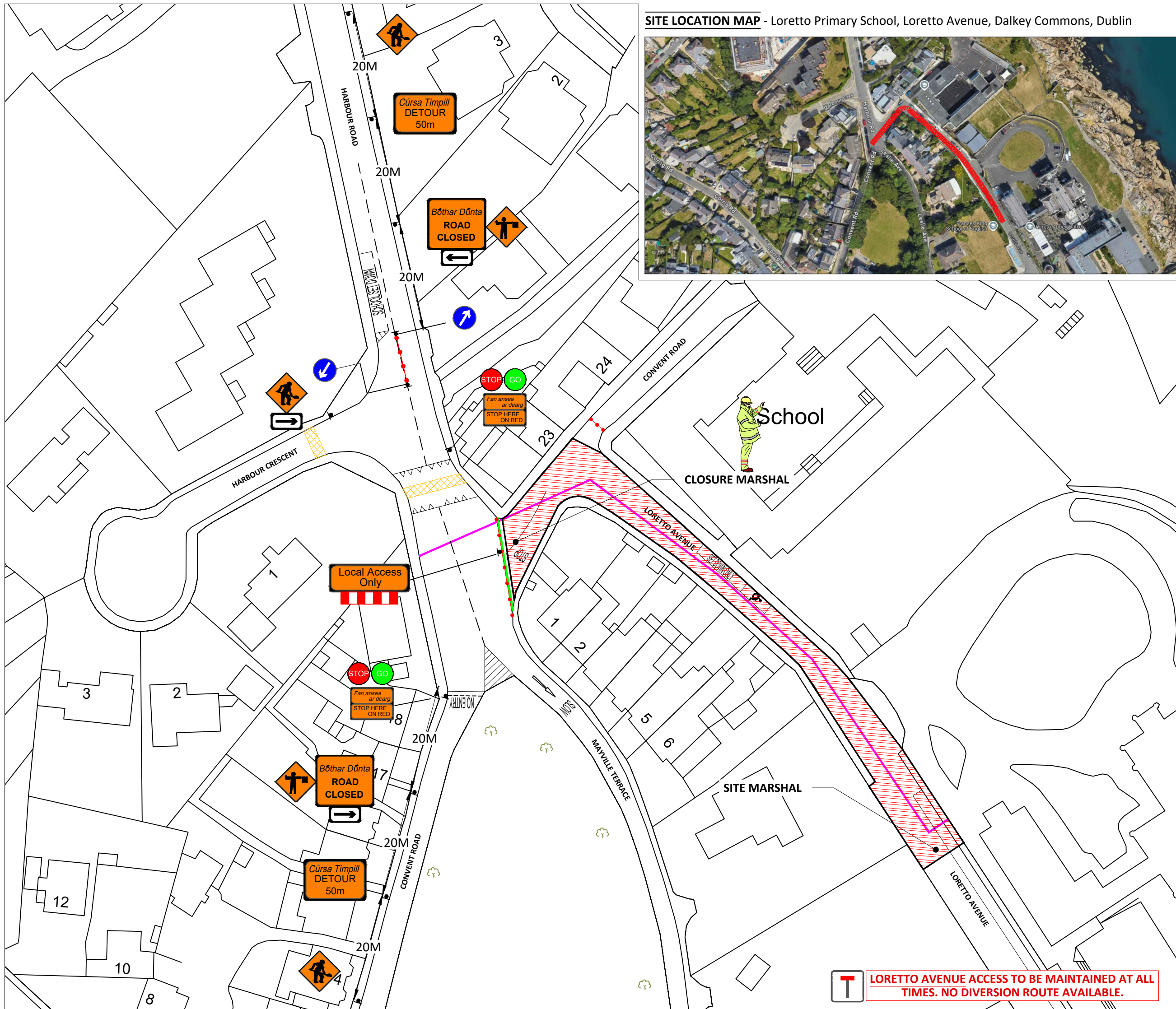
During darkness at unit areas following a site risk assessment additional lighting to be installed

LEGEND:

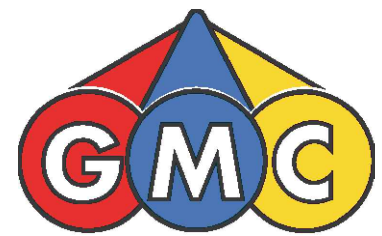
- PEDESTRIAN ROUTE
- WORK/PLANT AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- SITE BARRIER
- CONES
- SIGN LOCATION & ORIENTATION
- BARRIER BOARD

Design Parameters for Level 1 (i) (Single Carriageway < 30 km/h)	
Design Parameters	Roadworks Type A (>12 Hours)
Sign Size (mm)	450 Min
Sign Visibility (m)	25
Number of Signs	2
Cumulative Distance (m)	20
Distance between advance signs (m)	10
Minimum Rate of Taper	
Taper at Lane (m)	1 in 1
Maximum Cone Spacing	
Cone Height (mm)	750
At Taper (m) ²	1
Longitudinal (m) ²	3
Maximum Lamp Spacing	
At Taper (m)	3
Longitudinal (m)	6
Safety Zone	
Longitudinal (m)	0.5
Lateral (m)	0.5
Lanes	
Minimum Lane Width (m)	2.5
Two-way Roadway Width (m)	5

Note:
 A. Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly.
 B. 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.



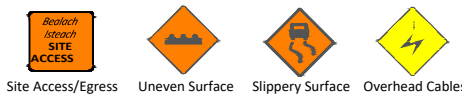
T LORETTO AVENUE ACCESS TO BE MAINTAINED AT ALL TIMES. NO DIVERSION ROUTE AVAILABLE.



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

Project ;	49144291 - Gas Networks Ireland
Location ;	Site Location 2 - Loretto Primary School
TM Method ;	Road Closure / Site Layout
Designer ; LG	Drawn ; LG Approved ; DG
Date ;	03/09/2024
Scale ;	NTS - USE FIGURED DIMENSIONS ONLY
TMP Guide Reference ;	TMP-002
Dwg Number ;	GMC-TMP-19440-REV00

- Traffic Management to comply with Temporary Traffic Management 2019 publications Chapter 8 Traffic Signs Manual, Design Guidance & Operation Guidance.
- A minimum lane width of 3.0m to be maintained at all times.
- On single carriageway roads of 30 km/h signs to be placed at 10m 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.....

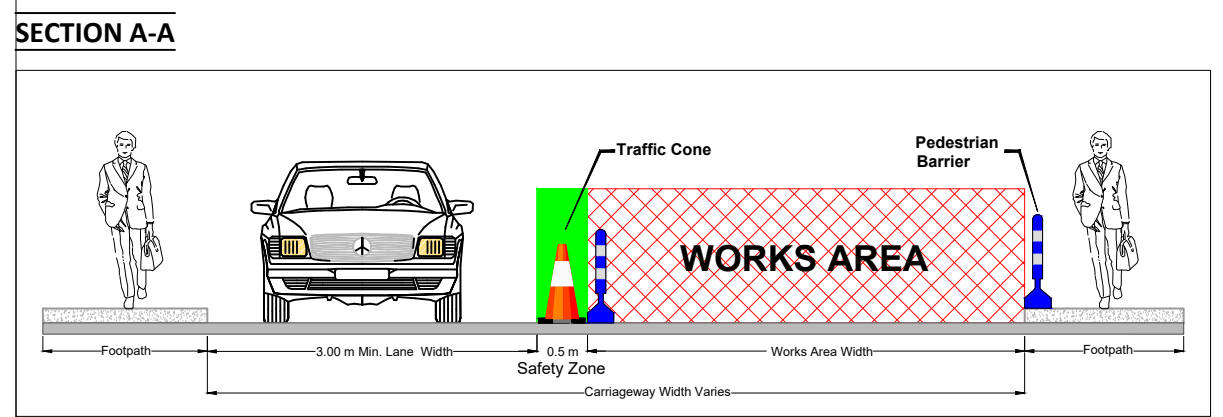
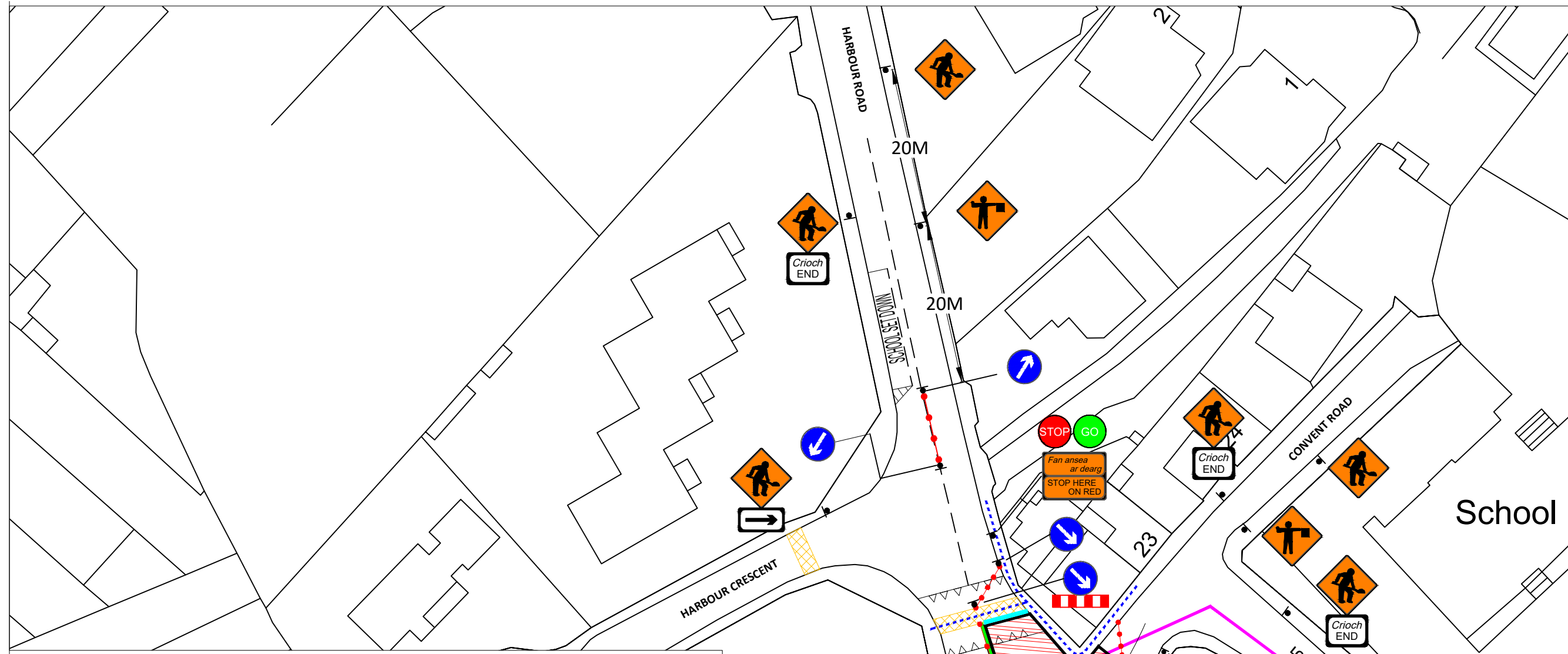


During darkness at unlit areas following a site risk assessment additional lighting to be installed

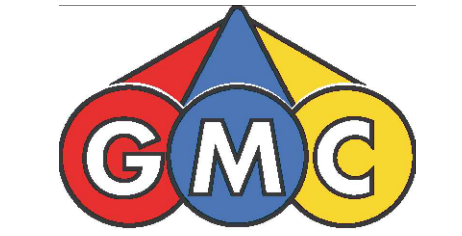
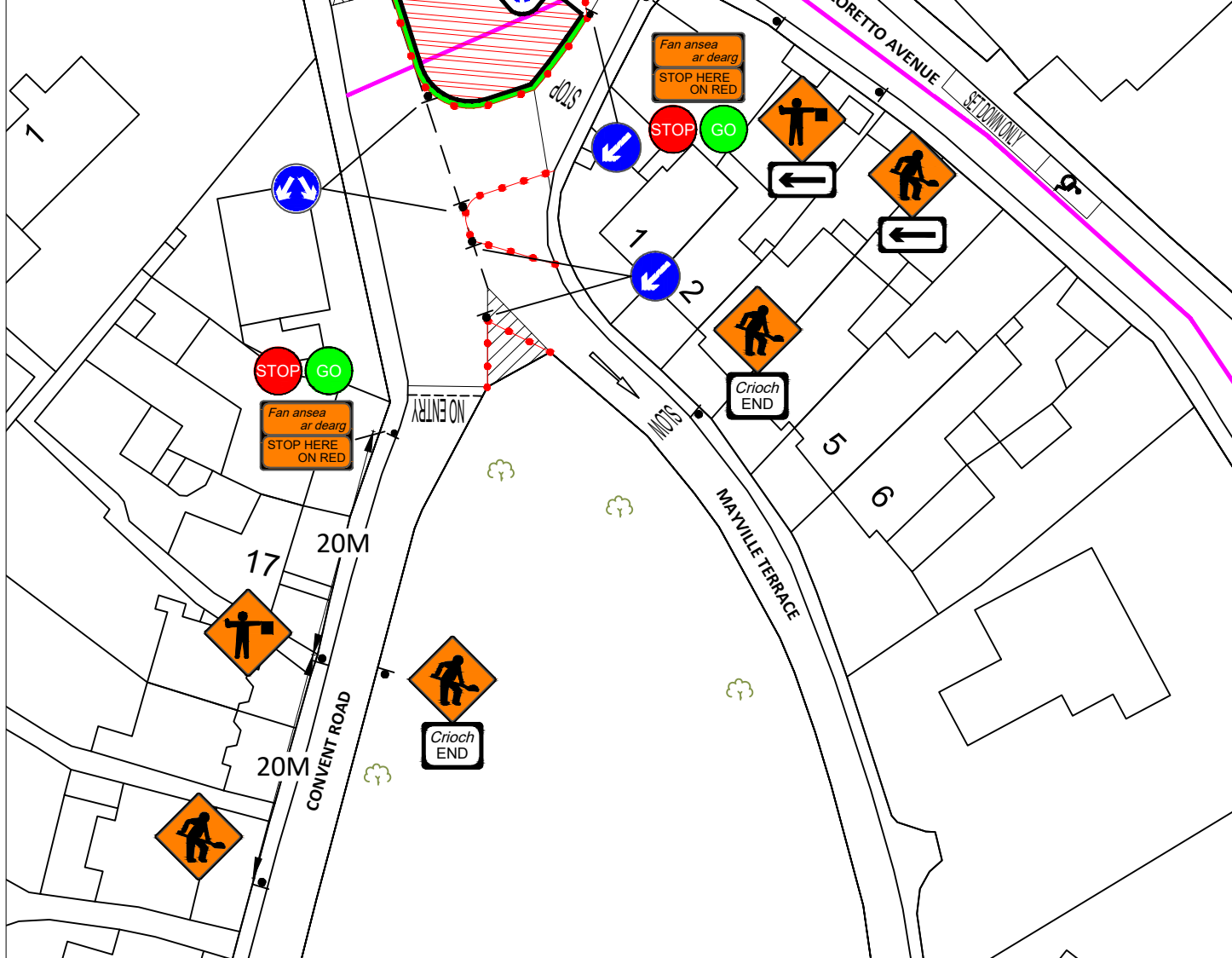
- LEGEND:**
- PEDESTRIAN ROUTE
 - WORK/PLANT AREA
 - SAFETY AREA
 - LATERAL SAFETY ZONE
 - PEDESTRIAN BARRIER
 - SITE BARRIER
 - CONES
 - SIGN LOCATION & ORIENTATION
 - BARRIER BOARD

Design Parameters for Level 1 (I) (Single Carriageway < 30 km/h)	
Design Parameters	Roadworks Type A (>12 Hours)
Sign Size (mm)	450 Min
Sign Visibility (m)	25
Number of Signs	2
Cumulative Distance (m)	20
Distance between advance signs (m)	10
Minimum Rate of Taper	
Taper at Lane (m)	1 in 1
Maximum Cone Spacing	
Cone Height (mm)	750
At Taper (m) ²	1
Longitudinal (m) ²	3
Maximum Lamp Spacing	
At Taper (m)	3
Longitudinal (m)	6
Safety Zone	
Longitudinal (m)	0.5
Lateral (m)	0.5
Lanes	
Minimum Lane Width (m)	2.5
Two-way Roadway Width (m)	5

Note:
 A. Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly.
 B. 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.



SITE LOCATION MAP - Loretto Primary School, Loretto Avenue, Dalkey Commons, Dublin



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 Tel: +353 (0)1 864 9800
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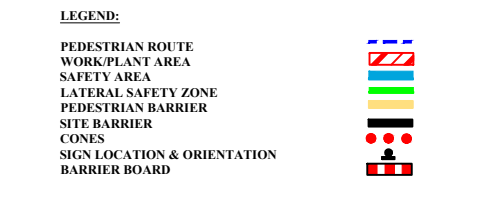
Project ;	49144291 - Gas Networks Ireland
Location ;	Site Location 2 - Loretto Primary School
TM Method ;	Stop / Go System
Designer ; LG	Drawn ; LG Approved ; DG
Date ;	03/09/2024
Scale ;	NTS - USE FIGURED DIMENSIONS ONLY
TMP Guide Reference ;	TMP-003
Dwg Number ;	GMC-TMP-19441-REV00

SITE SPECIFIC NOTES

1. Traffic Management to comply with Temporary Traffic Management 2019 publications Chapter 8 Traffic Signs Manual, Design Guidance & Operation Guidance.
2. A minimum lane width of 3.0m to be maintained at all times.
3. On single carriageway roads of 30 km/h signs to be placed at 10m intervals. Additional signage may be used where deemed necessary. (Type A & B)
4. A Pedestrian pathway of 1.2m minimum to be maintained at all times, kerb ramps to be provided where required
5. Work Area to be barriered at all times.
6. 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.
7. Below signage to be used where required.....

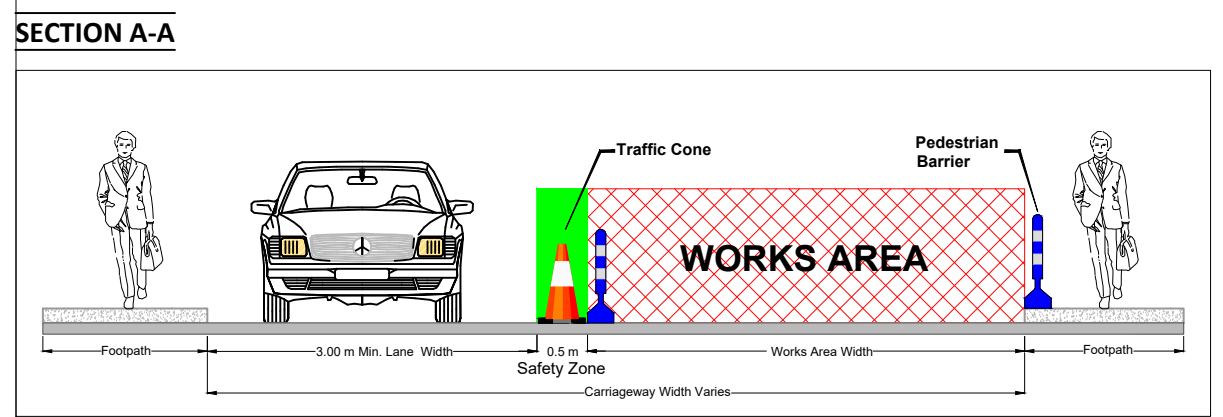
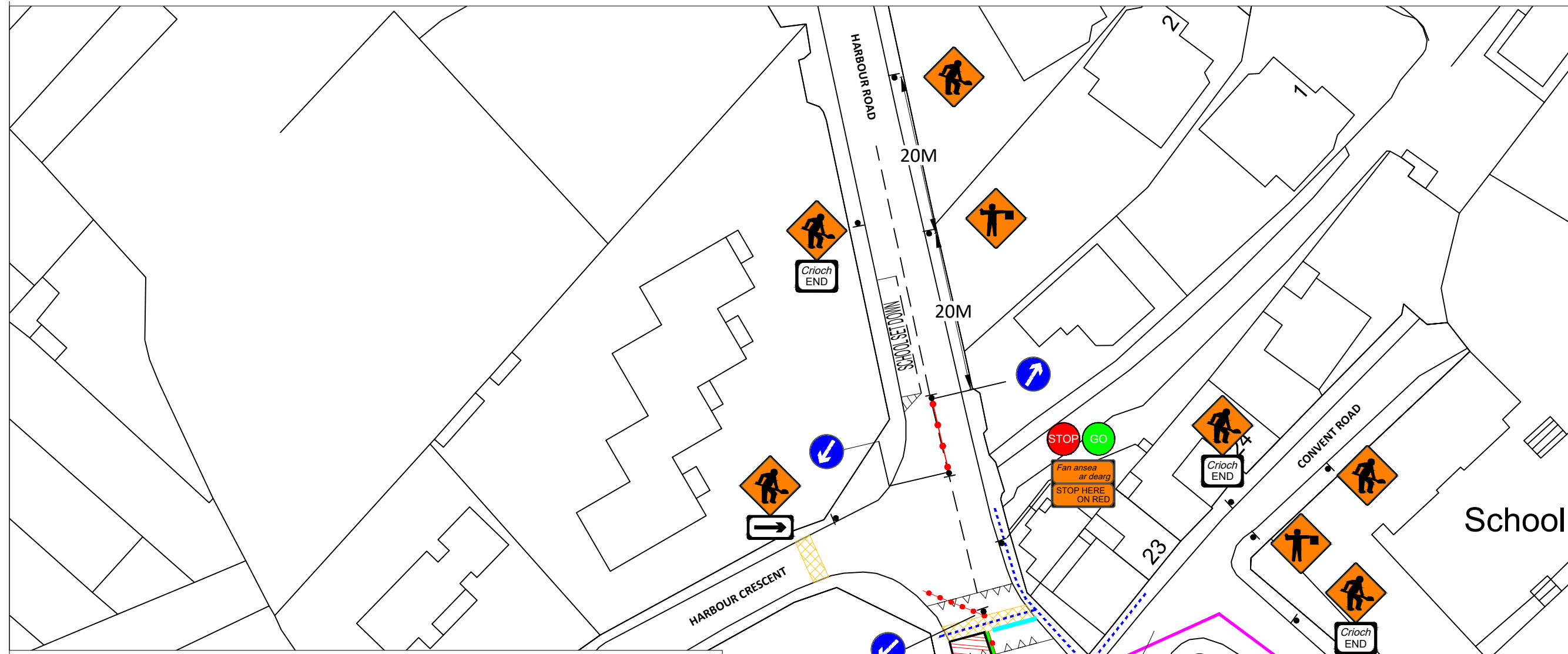


During darkness at unlit areas following a site risk assessment additional lighting to be installed

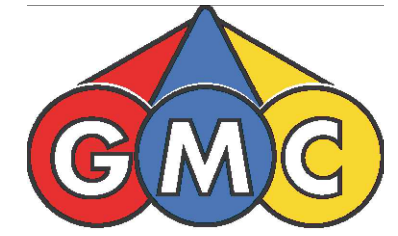
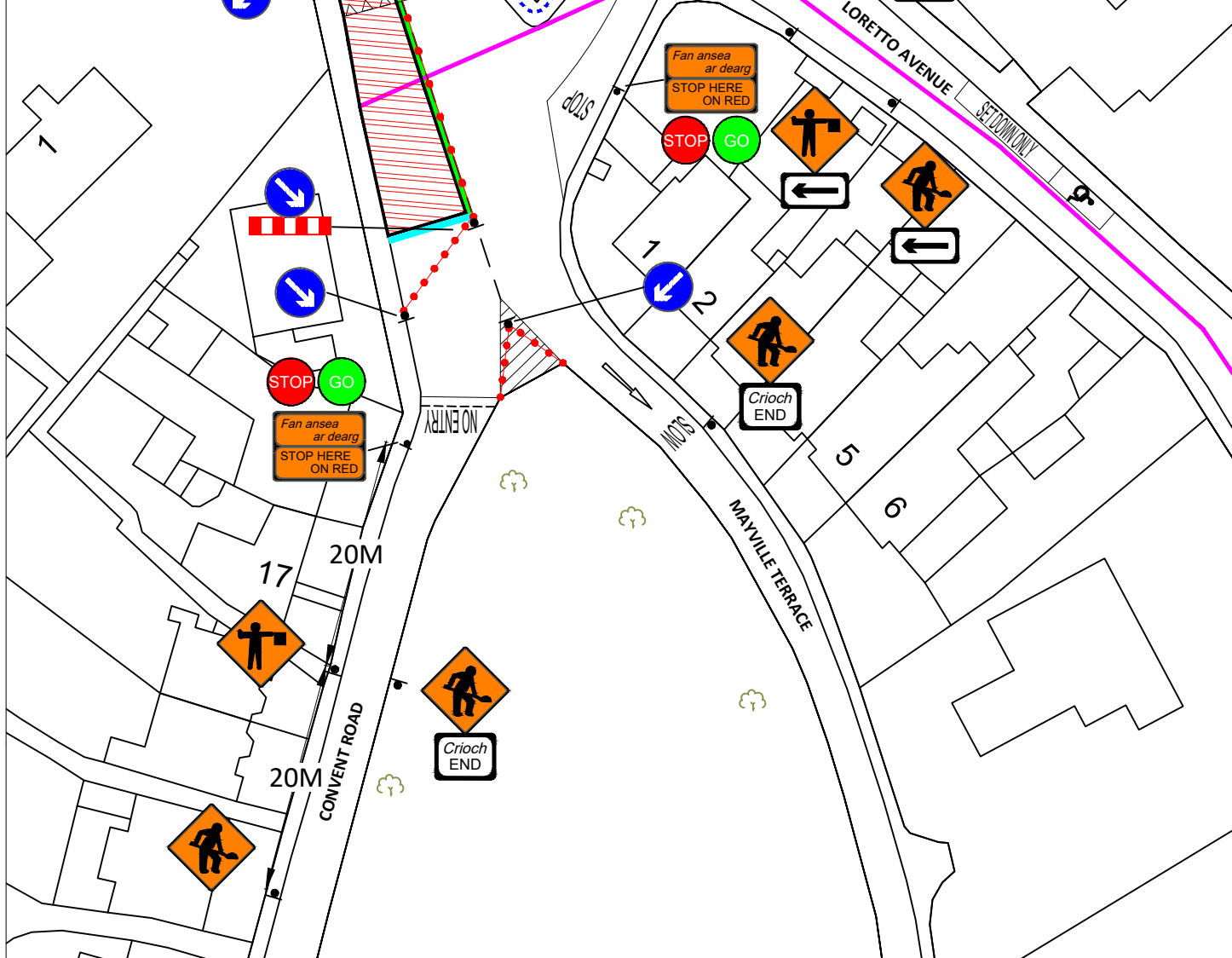


Design Parameters for Level 1 (I) (Single Carriageway < 30 km/h)	
Design Parameters	Roadworks Type A (>12 Hours)
Sign Size (mm)	450 Min
Sign Visibility (m)	25
Number of Signs	2
Cumulative Distance (m)	20
Distance between advance signs (m)	10
Minimum Rate of Taper	
Taper at Lane (m)	1 in 1
Maximum Cone Spacing	
Cone Height (mm)	750
At Taper (m) ²	1
Longitudinal (m) ²	3
Maximum Lamp Spacing	
At Taper (m)	3
Longitudinal (m)	6
Safety Zone	
Longitudinal (m)	0.5
Lateral (m)	0.5
Lanes	
Minimum Lane Width (m)	2.5
Two-way Roadway Width (m)	5

Note:
 A. Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly.
 B. 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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 Email: info@gmcirl.com

Project ;	49144291 - Gas Networks Ireland	
Location ;	Site Location 2 - Loretto Primary School	
TM Method ;	Stop / Go System	
Designer ; LG	Drawn ; LG	Approved ; DG
Date ;	03/09/2024	
Scale ;	NTS - USE FIGURED DIMENSIONS ONLY	
TMP Guide Reference ;	TMP-004	
Dwg Number ;	GMC-TMP-19442-REV00	