

GMC Utilities Group Ltd.,
Millennium Business Park,
Cappagh Road, Finglas West,
Dublin 11.

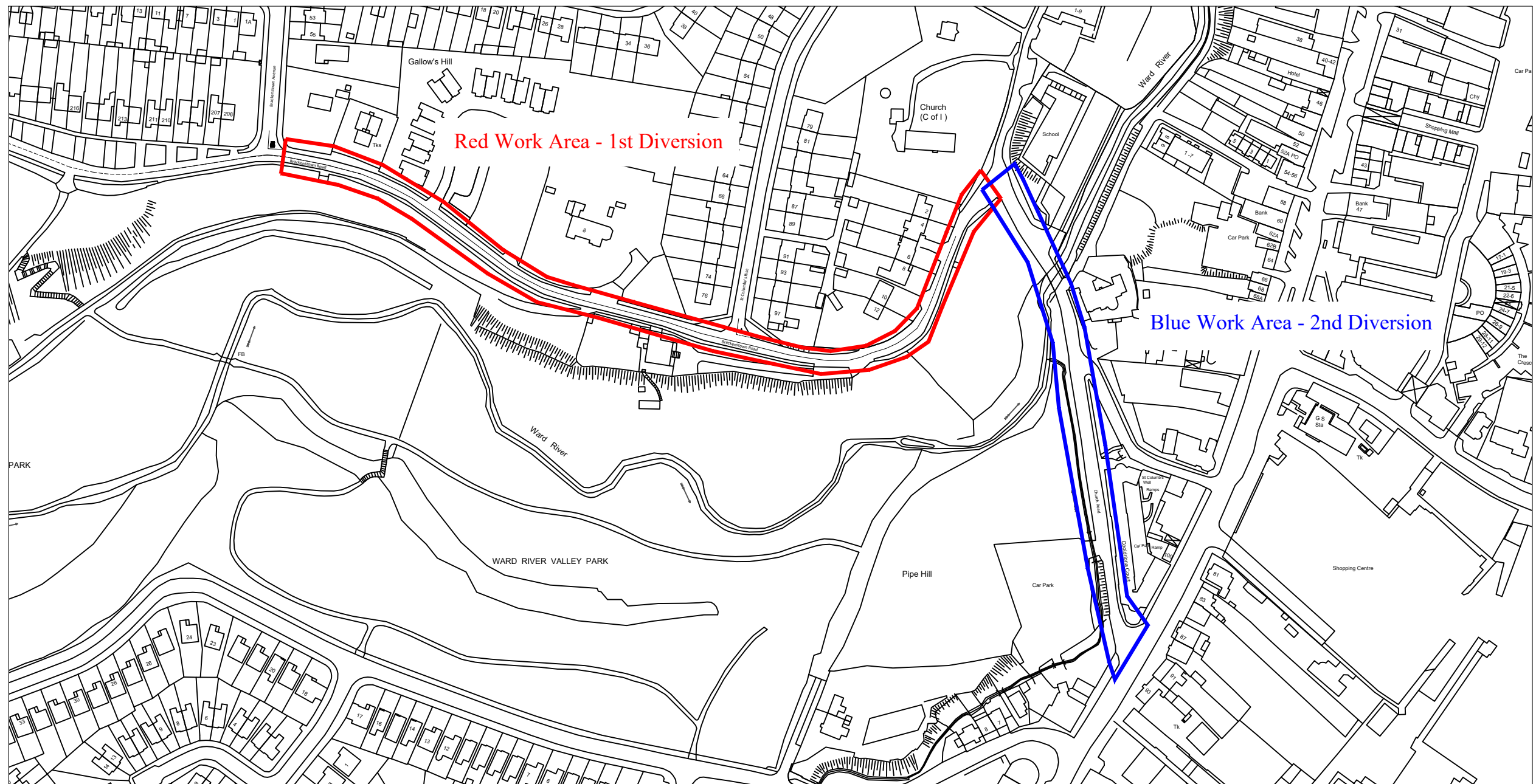
Traffic Management Pack

Brackenstown Road WNM Contruction Route Proposal

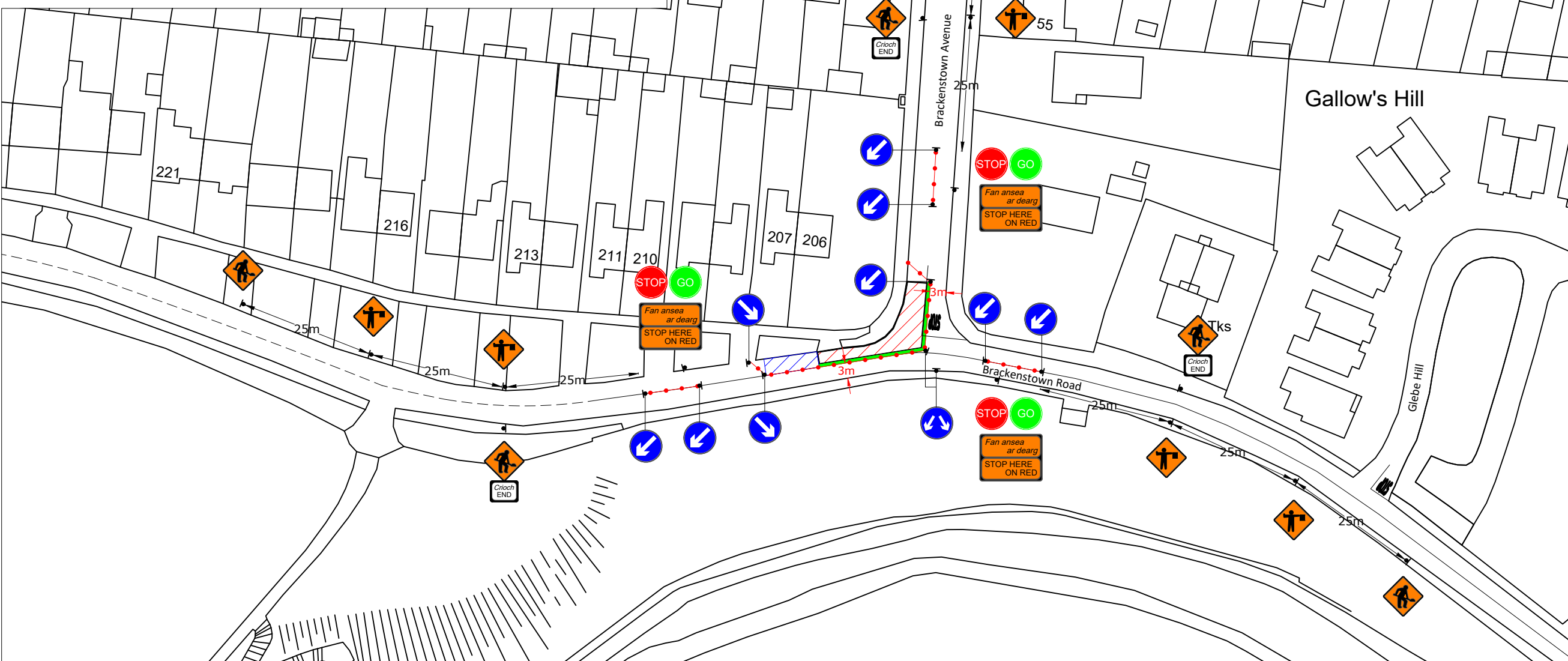
(Opencut Section)

Brackenstown Road Swords

10th - September - 2019



Site Location Map



- NOTES:**
1. Traffic Management to comply with Chapter 8 of the "Traffic Signs manual" and "Guidance for the control and Management of Traffic at Road Works".
 2. A minimum lane width of 3.0m to be maintained at all times.
 3. On single carriageway roads where the speed limit is 60kph or less, the first sign is to be placed 75m in advance of the works and all other signs to be placed at 25m intervals. (Type A & B)
 4. Longitudinal safety area to be reduced to 10m.
 5. Width of Lateral Safety to be 0.5m.
 6. Taper to works to be at 45°
 7. A Pedestrian walkway of 1.2m minimum to be maintained at all times, kerb ramps to be provided where required
 8. Work Area to be barriered at all times.
 9. 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.
 10. Minimum size of signs to be 600mm.
 11. Minimum height of cones to be 750mm.

LEGEND:

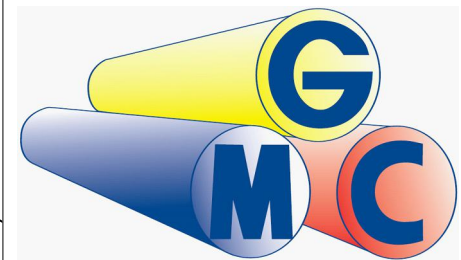
- PEDESTRIAN ROUTE
- WORK AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- CONES
- TRAFFIC SIGN
- BARRIER BOARD

Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)

Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time)	Roadworks Type C (Single Vehicle Operation)
Speed Limit	50 km/h or 60 km/h	50 km/h or 60 km/h	50 km/h or 60 km/h
Temporary Signs			
Sign Visibility (m)	50	50	50
Number of Signs	3	2	2
Cumulative Distance (m)	75	25	25
Distance between advance signs (m)	25	25	25
Minimum Rate of Taper			
Taper at Lane (m)	1 in 15	1 in 15	1 in 5
Taper at Hard Shoulder (m)	1 in 10	1 in 10	1 in 5
Maximum Lamp Spacing			
At Taper (m)	6	6	6
Longitudinal (m)	12	12	12
Maximum Cone Spacing			
At Taper (m)	3	3	3
Longitudinal (m)	6	6	6
Cone Height (mm)	750	750	750
Safety Zone			
Longitudinal (m)	25	5	5
Lateral (m)	0.5	0.5	0.5
Sign Size (mm)	600	600	600
Minimum Lane Width (m)	3.0	3.0	3.0

Note:

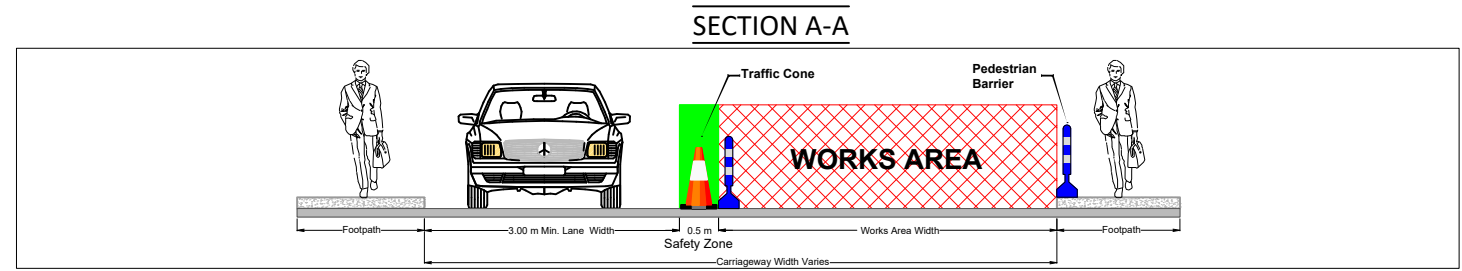
- 1 Refer to Chapter 8, section 8.3.2 for definition of design parameters.
- 2 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres.
- 3 Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly.
- 4 The optimum lane width for all classes of vehicles is 3.25m. 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 8.3.1.2 to 8.3.1.4.



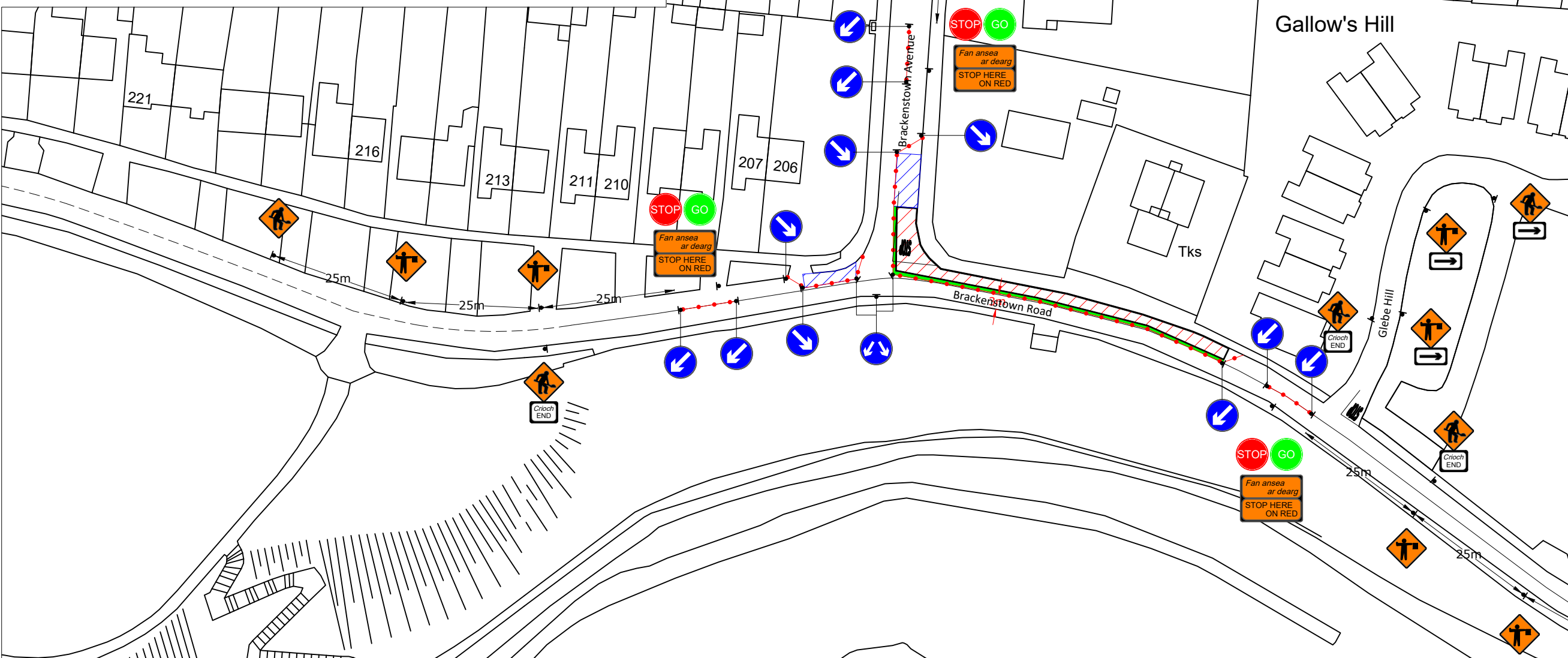
GMC Utilities Group Ltd.,
Millennium Business Park,
Cappagh Road, Finglas West,
Dublin 11.

Project/Works
Brackentown Road WNM Construction Works
Location
Brackentown Road Swords
Drawing
WM-TMP-5068-REV00
TM Method
Stop/Go
Designer
NC
Date
02/09/2019

Recommended Print
A3



Site Location Map



- NOTES:**
1. Traffic Management to comply with Chapter 8 of the "Traffic Signs manual" and "Guidance for the control and Management of Traffic at Road Works".
 2. A minimum lane width of 3.0m to be maintained at all times.
 3. On single carriageway roads where the speed limit is 60kph or less, the first sign is to be placed 75m in advance of the works and all other signs to be placed at 25m intervals. (Type A & B)
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 11. Minimum height of cones to be 750mm.

LEGEND:

- PEDESTRIAN ROUTE
- WORK AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- CONES
- TRAFFIC SIGN
- BARRIER BOARD

Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)

Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time)	Roadworks Type C (Single Vehicle Operation)
Speed Limit	50 km/h or 60 km/h	50 km/h or 60 km/h	50 km/h or 60 km/h
Temporary Signs			
Sign Visibility (m)	50	50	50
Number of Signs	3	3	2
Cumulative Distance (m)	75	75	25
Distance between advance signs (m)	25	25	25
Minimum Rate of Taper			
Taper at Lane (m)	1 in 15	1 in 15	1 in 5
Taper at Hard Shoulder (m)	1 in 10	1 in 10	1 in 5
Maximum Lamp Spacing			
At Taper (m)	6	6	6
Longitudinal (m)	12	12	12
Maximum Cone Spacing			
At Taper (m)	3	3	3
Longitudinal (m)	6	6	6
Cone Height (mm)	750	750	750
Safety Zone			
Longitudinal (m)	25	5	5
Lateral (m)	0.5	0.5	0.5
Sign Size (mm)	600	600	600
Minimum Lane Width (m)	3.0	3.0	3.0

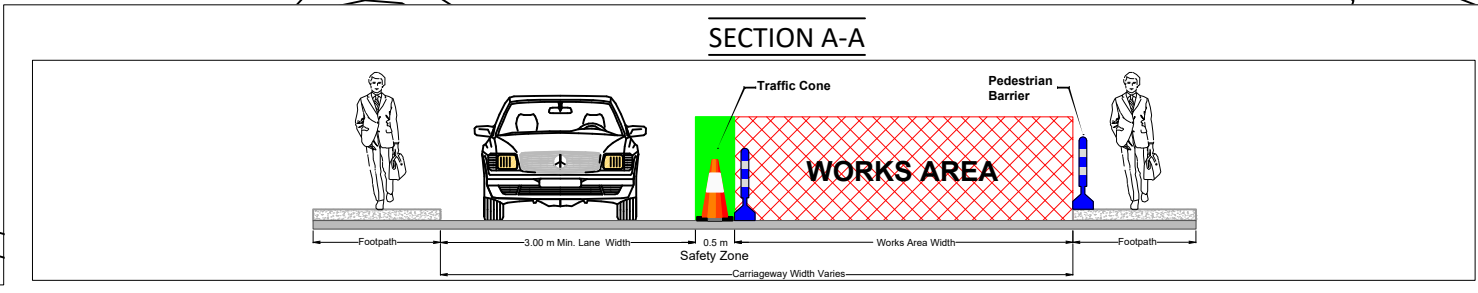
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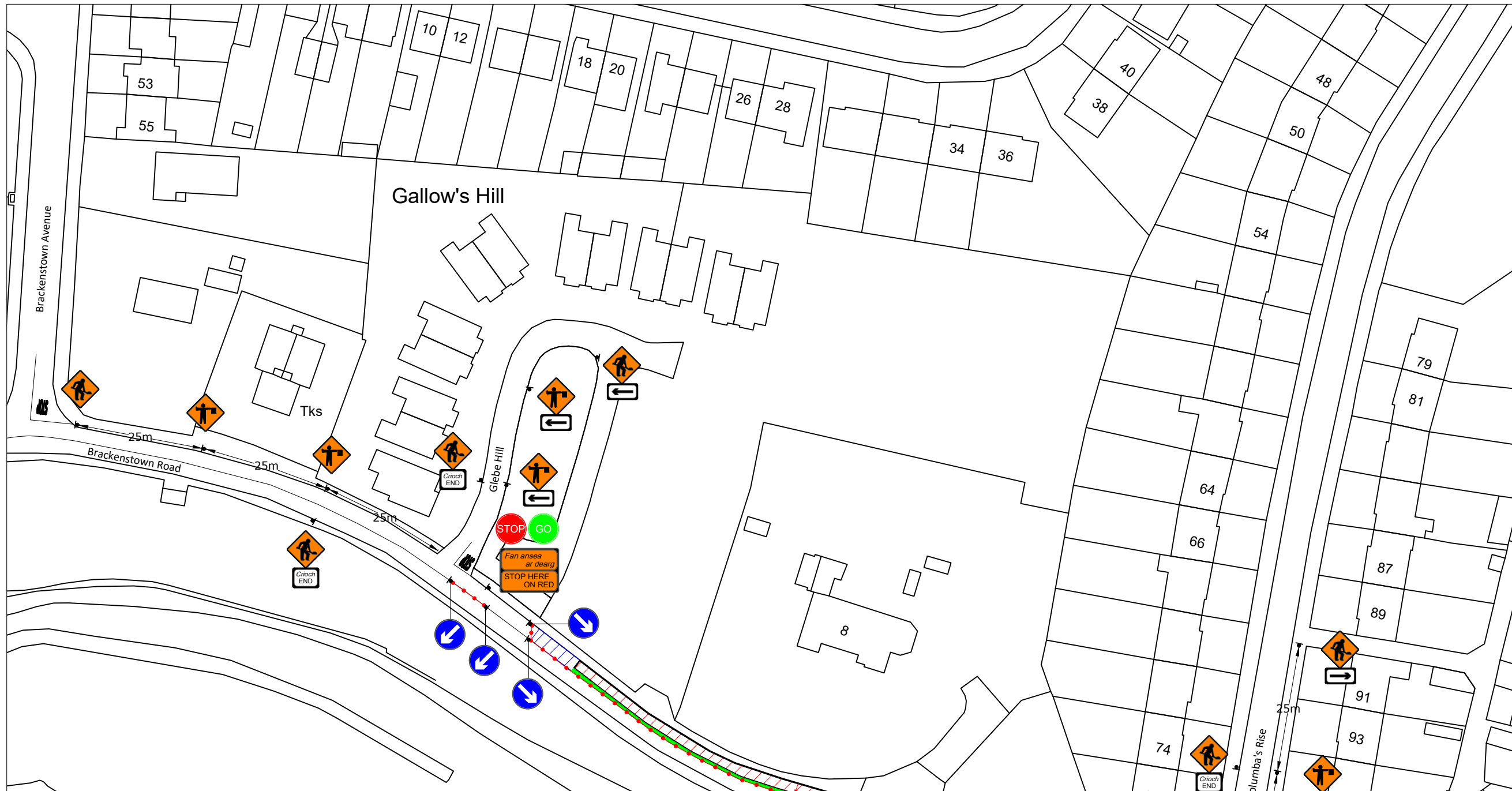
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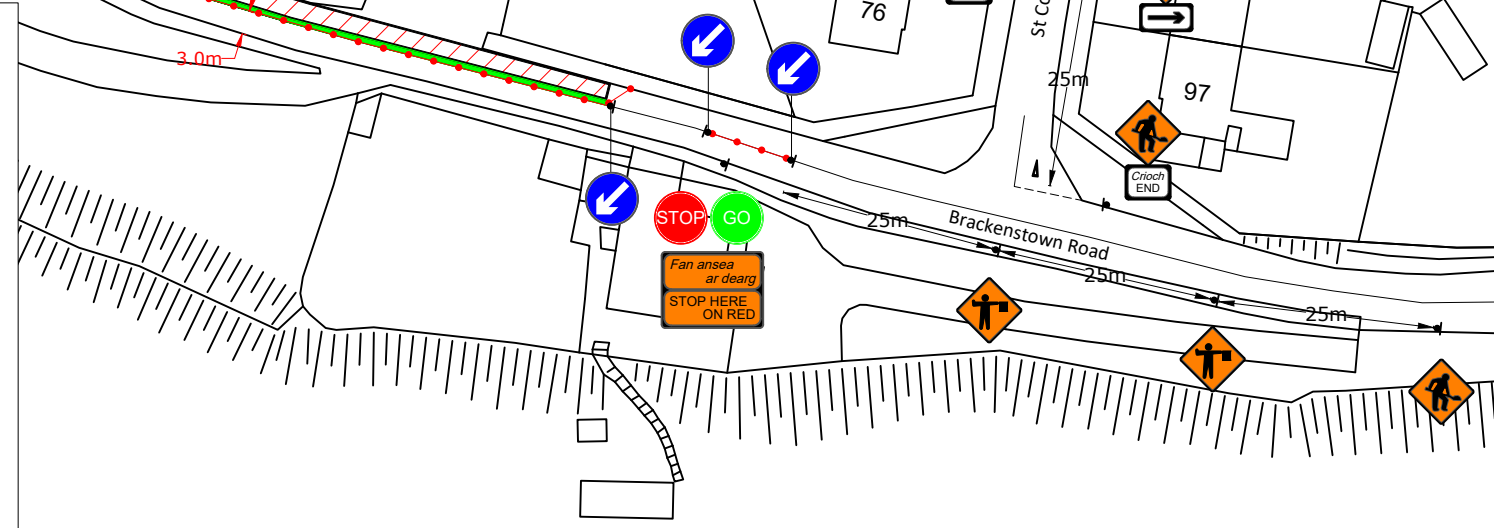
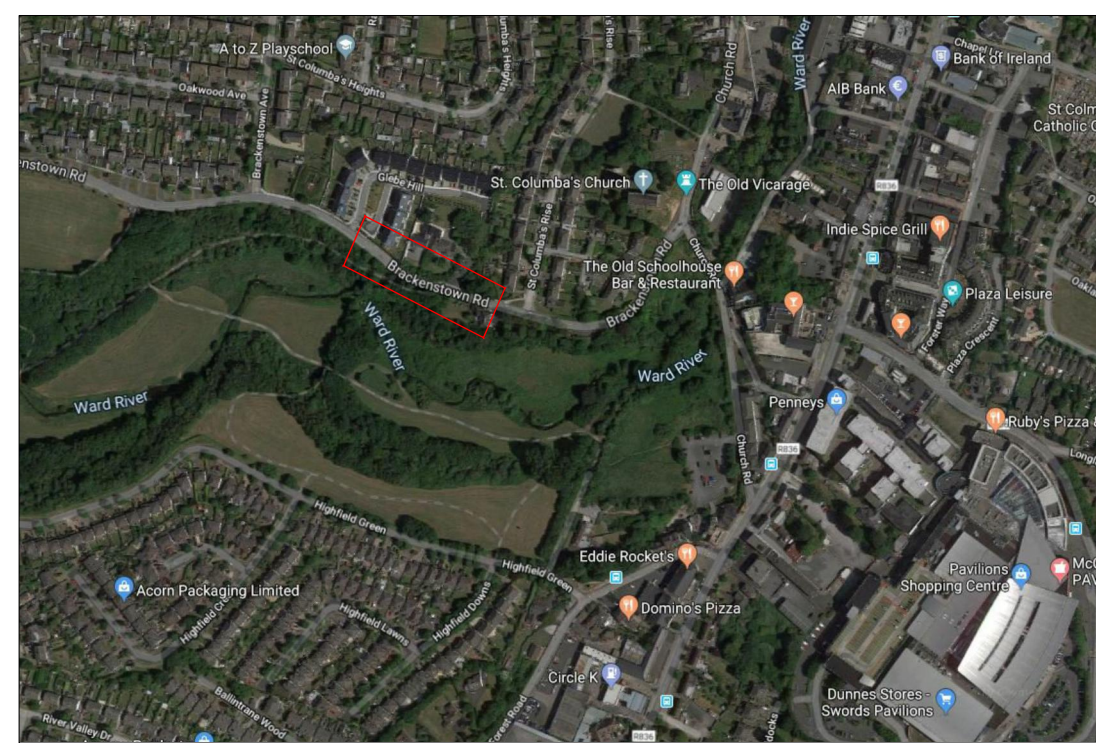
GMC Utilities Group Ltd.,
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Cappagh Road, Finglas West,
Dublin 11.

Project/Works
Brackentown Road WNM Construction Works
Location
Brackentown Road Swords
Drawing
WM-TMP-5069-REV00
TM Method
Stop/Go
Designer
NC
Date
02/09/2019
Recommended Print
A3

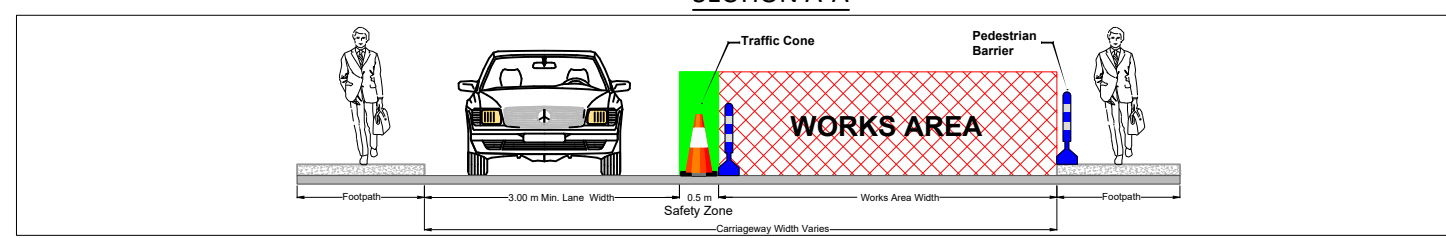




Site Location Map



SECTION A-A

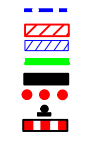


NOTES:

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9. 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.
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11. Minimum height of cones to be 750mm.

LEGEND:

- PEDESTRIAN ROUTE
- WORK AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- CONES
- TRAFFIC SIGN
- BARRIER BOARD



Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)			
Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time)	Roadworks Type C (Single Vehicle Operation)
Speed Limit	50 km/h or 60 km/h	50 km/h or 60 km/h	50 km/h or 60 km/h
Temporary Signs			
Sign Visibility (m)	50	50	50
Number of Signs	3	3	2
Cumulative Distance (m)	75	75	25
Distance between advance signs (m)	25	25	25
Minimum Rate of Taper			
Taper at Lane (m)	1 in 15	1 in 15	1 in 5
Taper at Hard Shoulder (m)	1 in 10	1 in 10	1 in 5
Maximum Lamp Spacing			
At Taper (m)	6	6	6
Longitudinal (m)	12	12	12
Maximum Cone Spacing			
At Taper (m)	3	3	3
Longitudinal (m)	6	6	6
Cone Height (mm)	750	750	750
Safety Zone			
Longitudinal (m)	25	5	5
Lateral (m)	0.5	0.5	0.5
Sign Size (mm)	600	600	600
Minimum Lane Width (m)	3.0	3.0	3.0

Note:

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
Project/Works
Brackenstown Road WNM Construction Works
Location
Brackenstown Road Swords
Drawing
WM-TMP-5070-REV00
TM Method
Stop/Go
Designer
NC
Date
02/09/2019
Recommended Print
A3



NOTES:

1. Traffic Management to comply with Chapter 8 of the "Traffic Signs manual" and "Guidance for the control and Management of Traffic at Road Works".
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7. Minimum size of signs to be 600mm.
8. Minimum height of cones to be 750mm.

LEGEND:

- DIVERSION ROUTE A 
- DIVERSION ROUTE B 
- WORK AREA 
- SAFETY AREA 
- LATERAL SAFETY ZONE 
- PEDESTRIAN BARRIER 
- CONES 
- TRAFFIC SIGN 
- BARRIER BOARD 

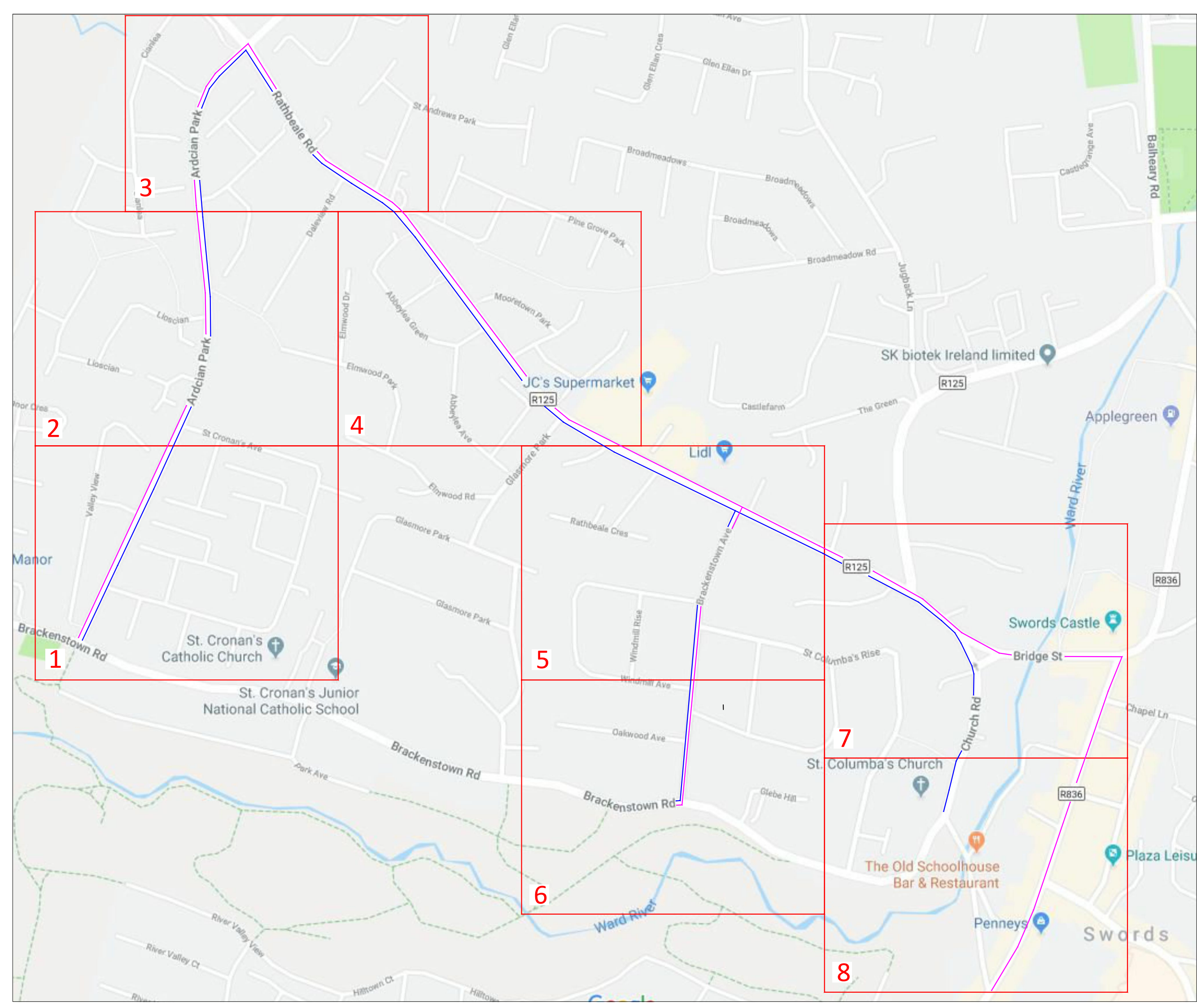
Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)			
Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time)	Roadworks Type C (Single Vehicle Operation)
Speed Limit	50 km/h or 60 km/h	50 km/h or 60 km/h	50 km/h or 60 km/h
Temporary Signs			
Sign Visibility (m)	50	50	50
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Cumulative Distance (m)	75	75	25
Distance between advance signs (m)	25	25	25
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Maximum Cone Spacing			
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Longitudinal (m)	6	6	6
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Safety Zone			
Longitudinal (m)	25	5	5
Lateral (m)	0.5	0.5	0.5
Sign Size (mm)	600	600	600
Minimum Lane Width (m)	3.0	3.0	3.0

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GMC Utilities Group Ltd.,
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Project/Works
 Brackenstown Road WNM Construction Works
Location
 Brackenstown Road Swords
Drawing
 WM-TMP-4957-REV00
TM Method
 Road Closure
Designer
 NC
Date
 10/09/2019
Recommended Print
 A3



NOTES:

- Traffic Management to comply with Chapter 8 of the "Traffic Signs manual" and "Guidance for the control and Management of Traffic at Road Works".
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LEGEND:

- DIVERSION ROUTE A
- DIVERSION ROUTE B
- WORK AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- CONES
- TRAFFIC SIGN
- BARRIER BOARD

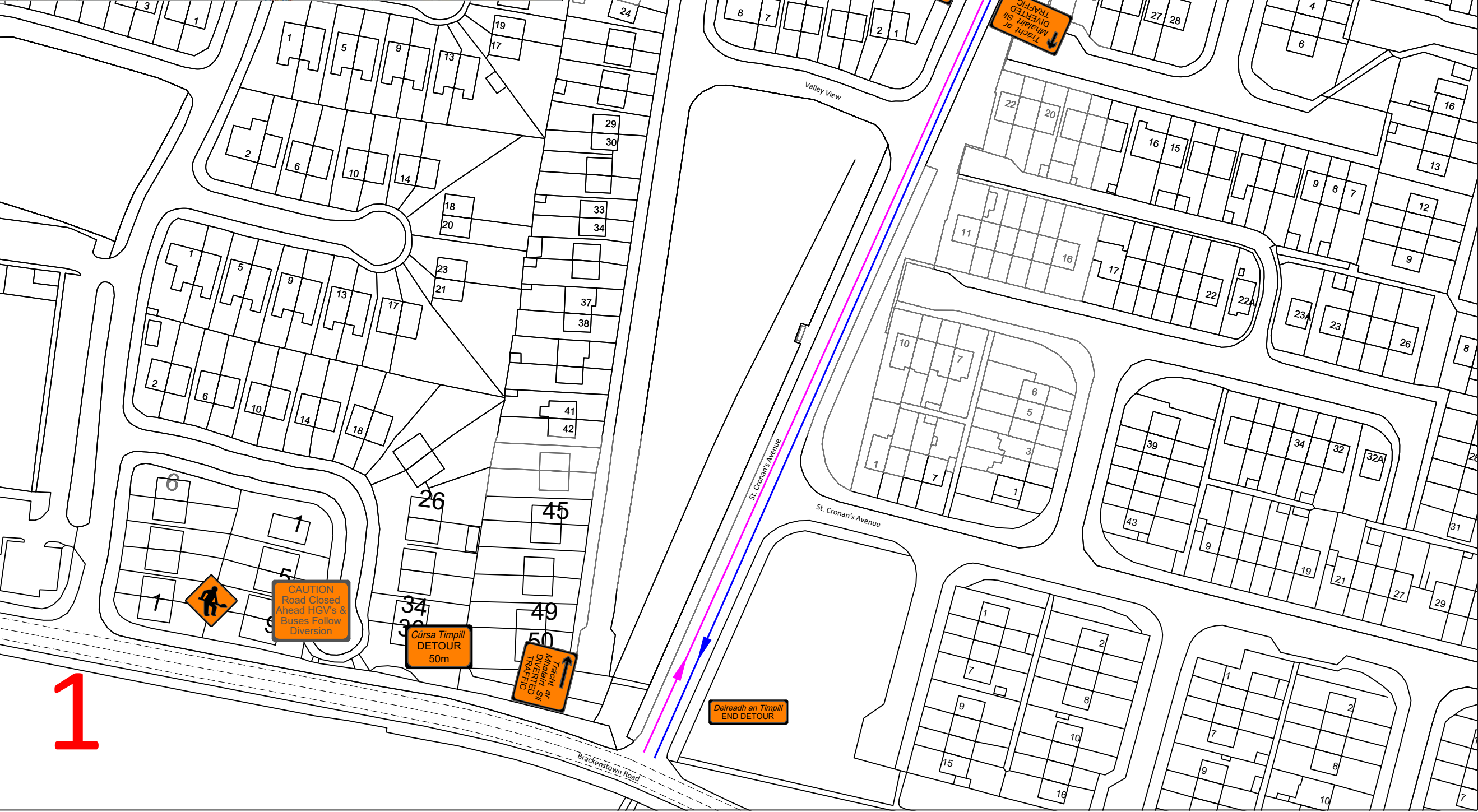
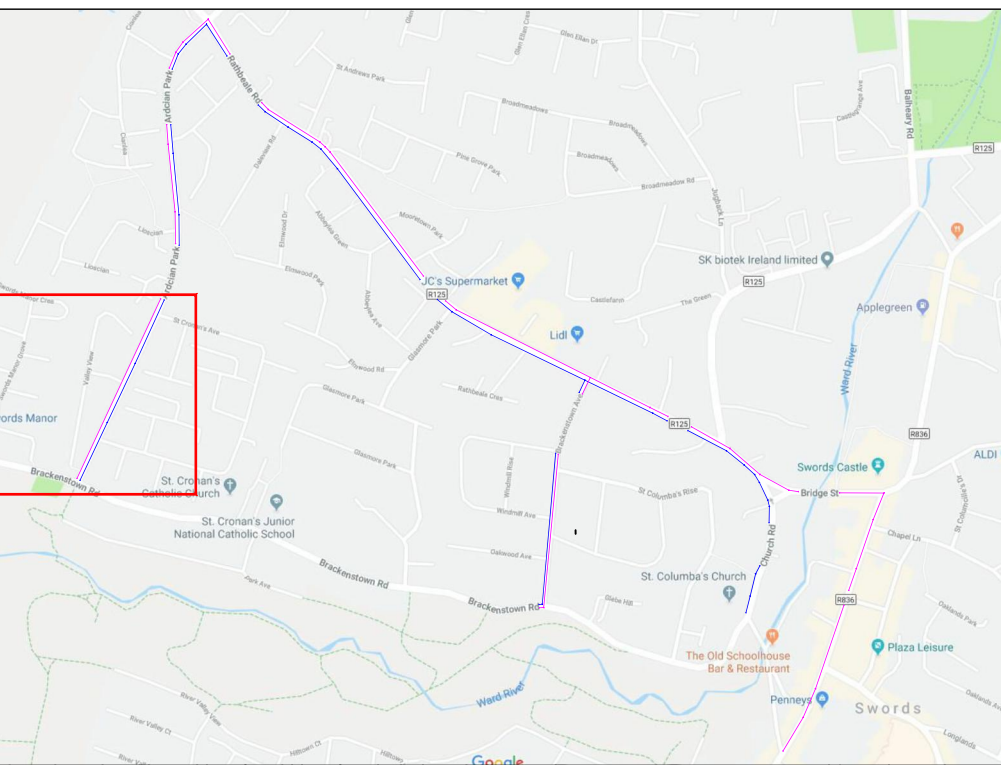
Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)			
Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time)	Roadworks Type C (Single Vehicle Operation)
Speed Limit	50 km/h or 60 km/h		50 km/h or 60 km/h
Temporary Signs			
Sign Visibility (m)	50	50	50
Number of Signs	3	3	2
Cumulative Distance (m)	75	75	25
Distance between advance signs (m)	25	25	25
Minimum Rate of Taper			
Taper at Lane (m)	1 in 15	1 in 15	1 in 5
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Maximum Lamp Spacing			
At Taper (m)	6	6	6
Longitudinal (m)	12	12	12
Maximum Cone Spacing			
At Taper (m)	3	3	3
Longitudinal (m)	6	6	6
Cone Height (mm)	750	750	750
Safety Zone			
Longitudinal (m)	25	5	5
Lateral (m)	0.5	0.5	0.5
Sign Size (mm)	600	600	600
Minimum Lane Width (m)	3.0	3.0	3.0

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Project/Works
 Brackenstown Road WNM Construction Works
Location
 Brackenstown Road Swords
Drawing
 WM-TMP-4958-REV00
TM Method
 Road Closure
Designer
 NC
Date
 10/09/2019
Recommended Print
 A3



NOTES:

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LEGEND:

- DIVERSION ROUTE A
- DIVERSION ROUTE B
- WORK AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
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- TRAFFIC SIGN
- BARRIER BOARD

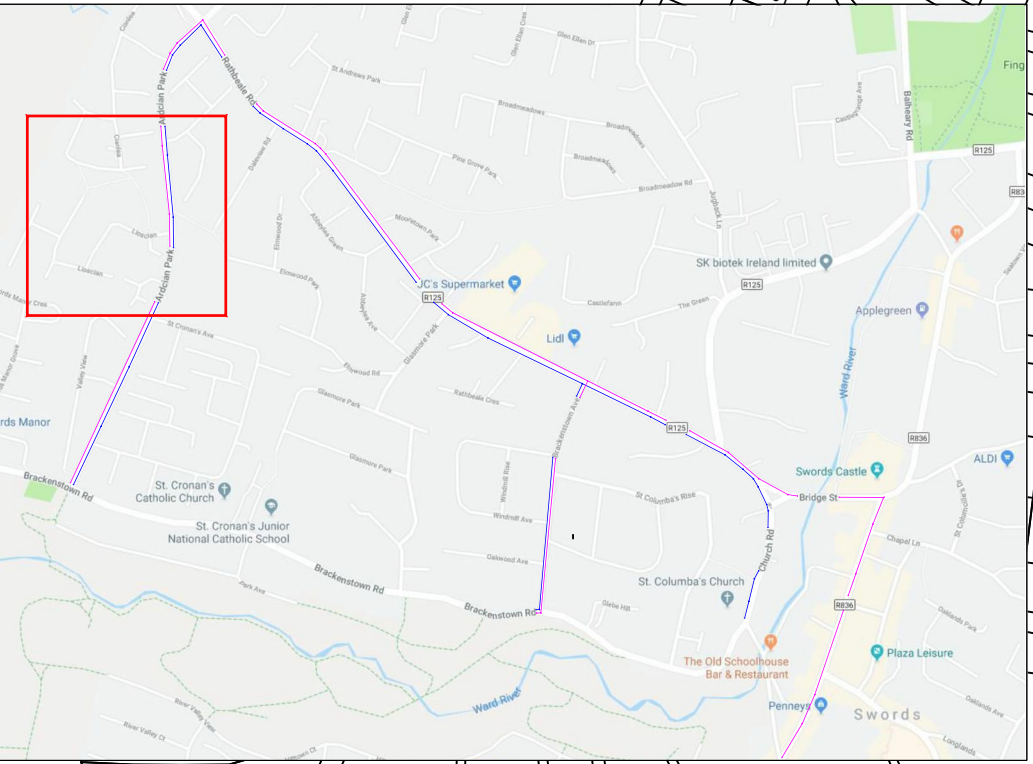
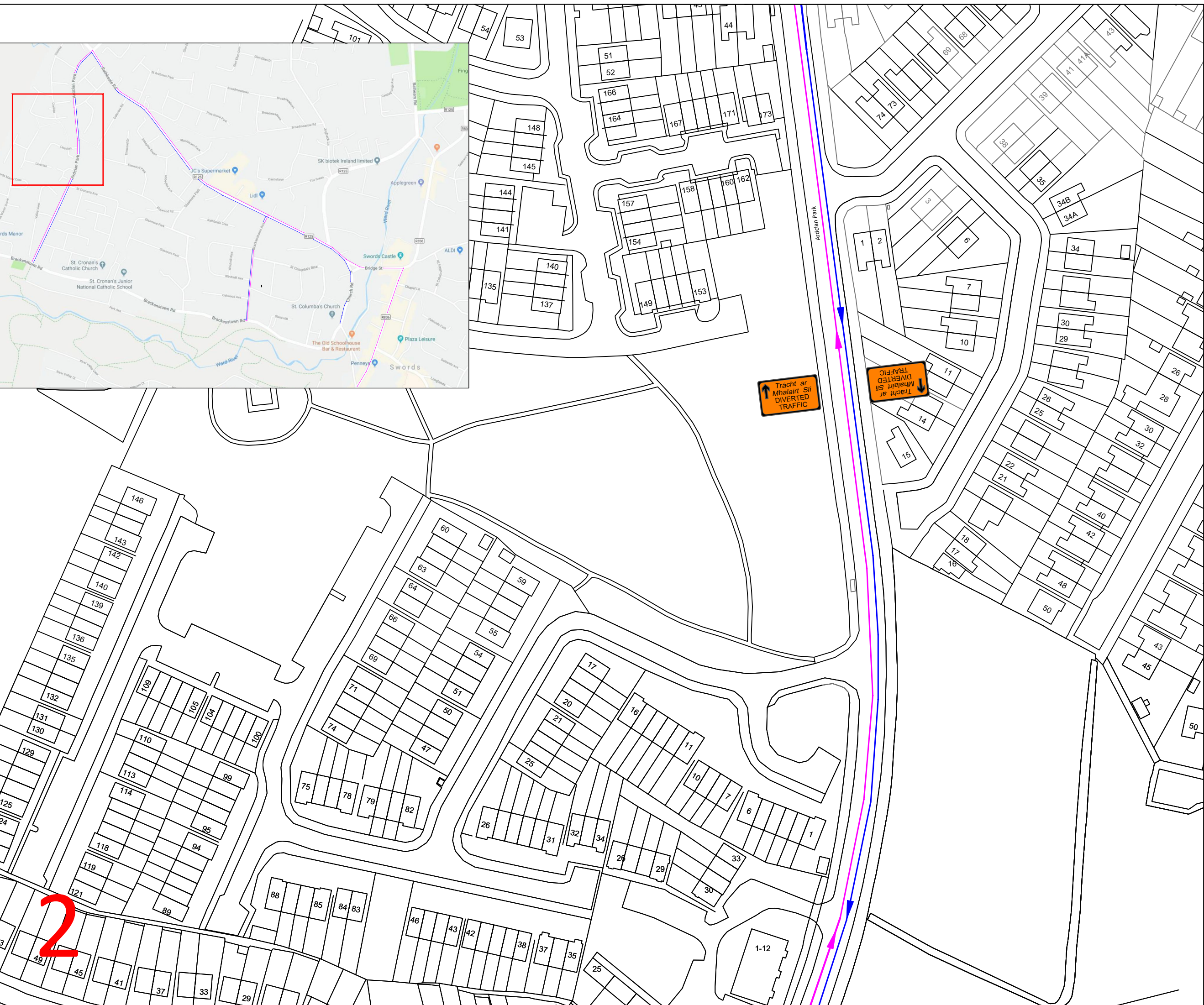
Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)		
Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time)
Speed Limit	50 km/h or 60 km/h	50 km/h or 60 km/h
Temporary Signs		
Sign Visibility (m)	50	50
Number of Signs	3	2
Cumulative Distance (m)	75	25
Distance between advance signs (m)	25	25
Minimum Rate of Taper		
Taper at Lane (m)	1 in 15	1 in 5
Taper at Hard Shoulder (m)	1 in 10	1 in 5
Maximum Lamp Spacing		
At Taper (m)	6	6
Longitudinal (m)	12	12
Maximum Cone Spacing		
At Taper (m)	3	3
Longitudinal (m)	6	6
Cone Height (mm)	750	750
Safety Zone		
Longitudinal (m)	25	5
Lateral (m)	0.5	0.5
Sign Size (mm)	600	600
Minimum Lane Width (m)	3.0	3.0

Note:
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Project/Works
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Location
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Drawing
 WM-TMP-4959-REV00
TM Method
 Road Closure
Designer
 NC
Date
 10/09/2019
Recommended Print
 A3



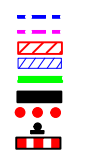
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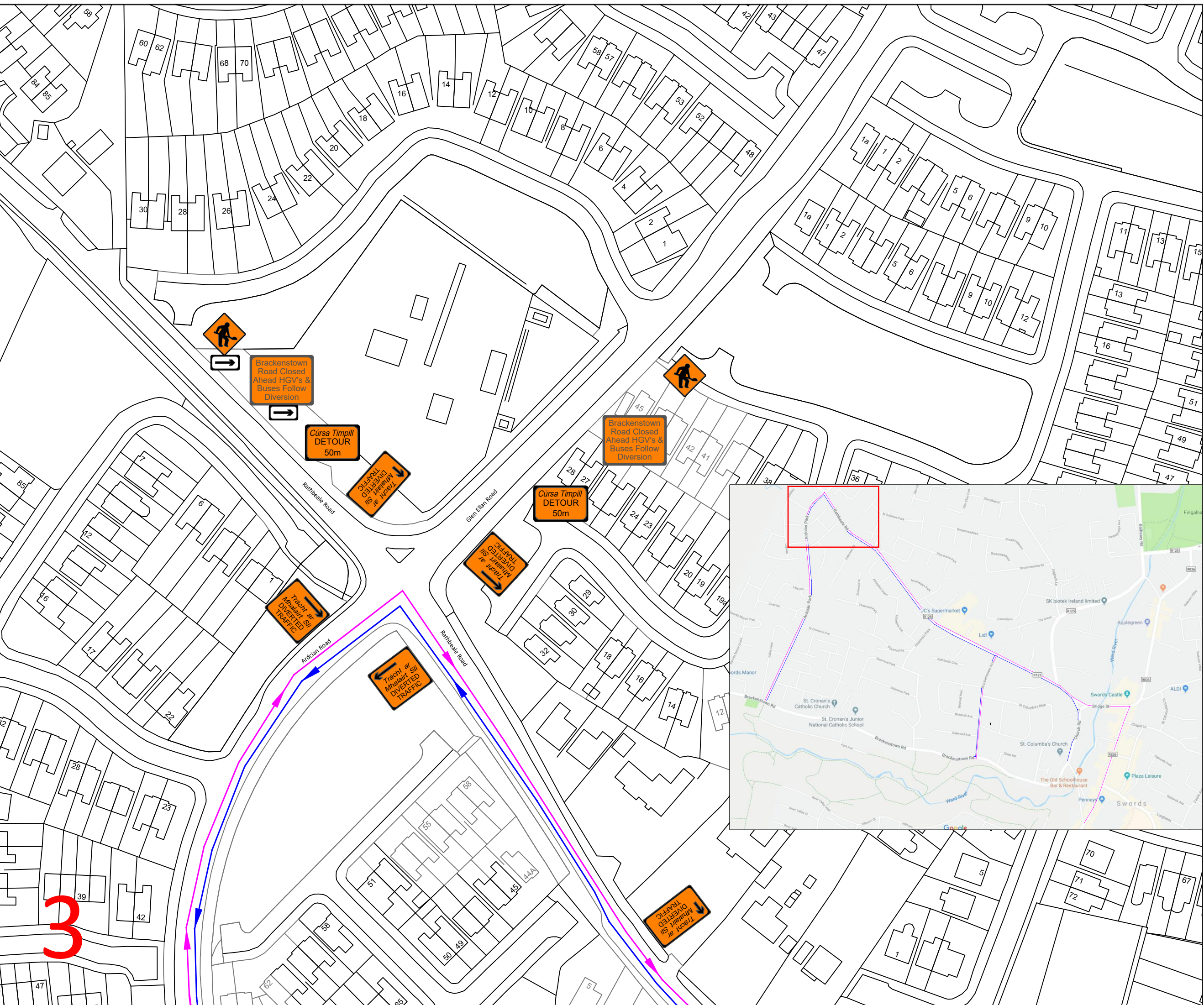
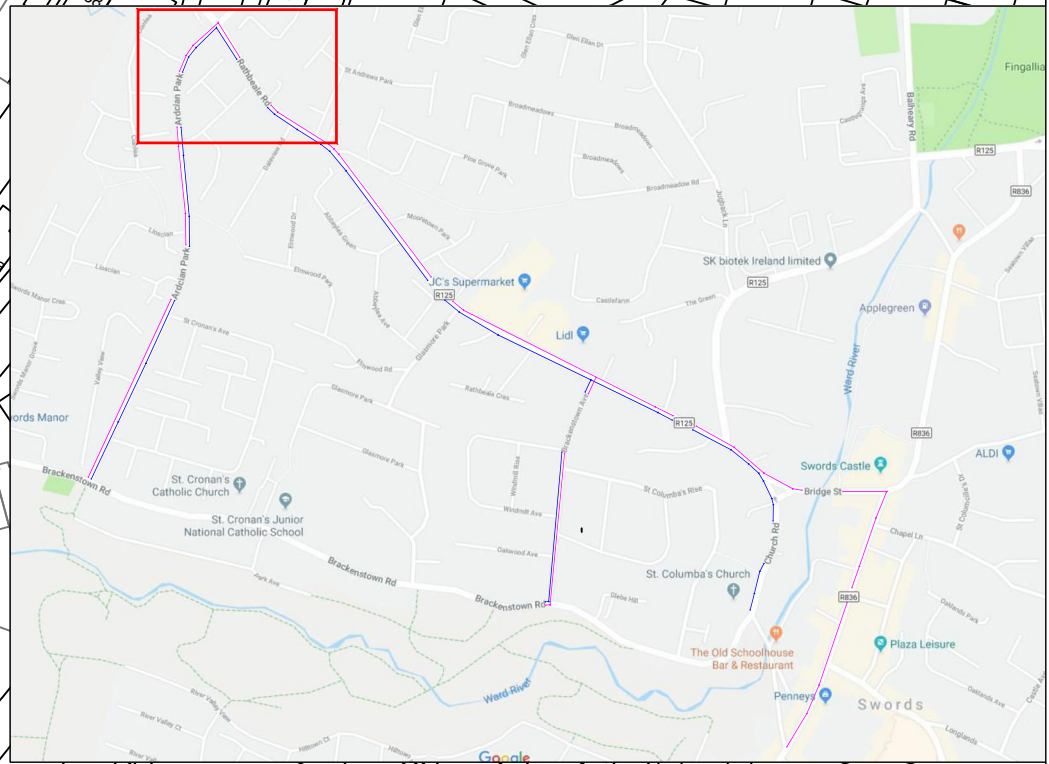
LEGEND:

- DIVERSION ROUTE A
- DIVERSION ROUTE B
- WORK AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- CONES
- TRAFFIC SIGN
- BARRIER BOARD



Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)			
Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time)	Roadworks Type C (Single Vehicle Operation)
Speed Limit	50 km/h or 60 km/h	50 km/h or 60 km/h	50 km/h or 60 km/h
Temporary Signs			
Sign Visibility (m)	50	50	50
Number of Signs	3	3	2
Cumulative Distance (m)	75	75	25
Distance between advance signs (m)	25	25	25
Minimum Rate of Taper			
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Longitudinal (m)	12	12	12
Maximum Cone Spacing			
At Taper (m)	3	3	3
Longitudinal (m)	6	6	6
Cone Height (mm)	750	750	750
Safety Zone			
Longitudinal (m)	25	5	5
Lateral (m)	0.5	0.5	0.5
Sign Size (mm)	600	600	600
Minimum Lane Width (m)	3.0	3.0	3.0

Note:
 1 Refer to Chapter 8, section 8.3.2 for definition of design parameters.
 2 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres.
 3 Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly.
 4 The optimum lane width for all classes of vehicles is 3.25m. 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 8.3.1.2 to 8.3.1.4.



3



GMC Utilities Group Ltd.,
Millennium Business Park,
Cappagh Road, Finglas West,
Dublin 11.

Project/Works
Brackenstown Road WNM Construction Works

Location
Brackenstown Road Swords

Drawing
WM-TMP-4960-REV00

TM Method
Road Closure

Designer
NC

Date
10/09/2019

Recommended Print
A3

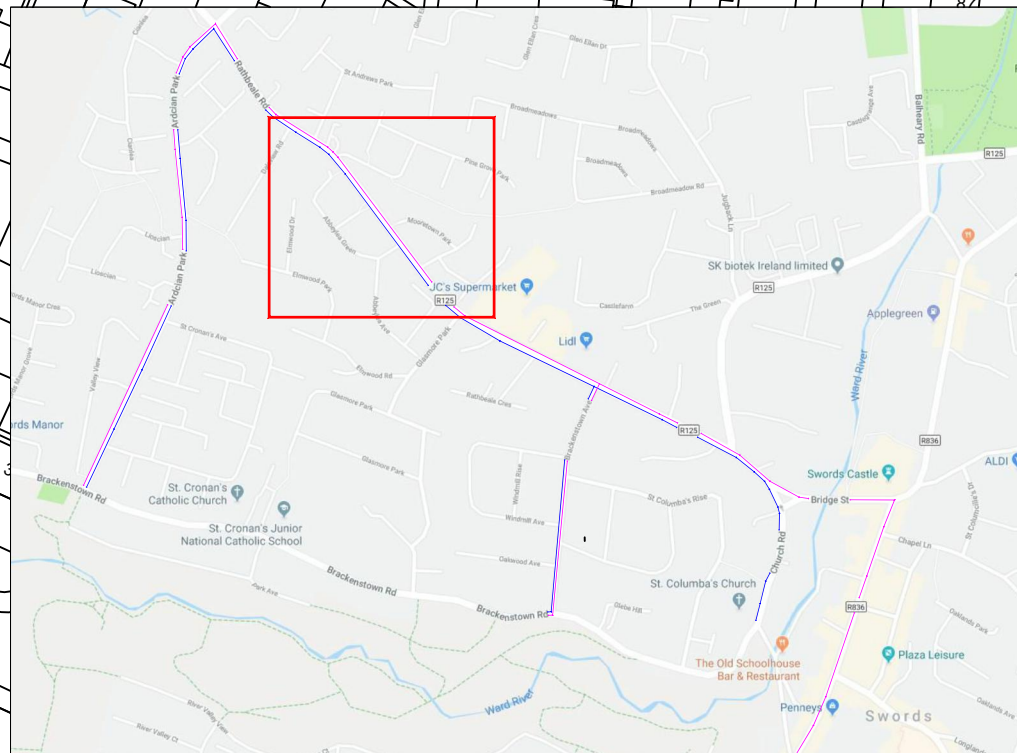


NOTES:

- Traffic Management to comply with Chapter 8 of the "Traffic Signs manual" and "Guidance for the control and Management of Traffic at Road Works".
- Brackenstown Road to be closed, Alternative Diversion routes to be provided. Local Access to be maintained.
- On single carriageway roads where the speed limit is 60kph or less, the first sign is to be placed 75m in advance of the works and all other signs to be placed at 25m intervals. (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.
- Minimum size of signs to be 600mm.
- Minimum height of cones to be 750mm.

LEGEND:

- DIVERSION ROUTE A
- DIVERSION ROUTE B
- WORK AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- CONES
- TRAFFIC SIGN
- BARRIER BOARD



Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)			
Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time)	Roadworks Type C (Single Vehicle Operation)
Speed Limit	50 km/h or 60 km/h	50 km/h or 60 km/h	50 km/h or 60 km/h
Temporary Signs			
Sign Visibility (m)	50	50	50
Number of Signs	3	2	2
Cumulative Distance (m)	75	25	25
Distance between advance signs (m)	25	25	25
Minimum Rate of Taper			
Taper at Lane (m)	1 in 15	1 in 15	1 in 5
Taper at Hard Shoulder (m)	1 in 10	1 in 10	1 in 5
Maximum Lamp Spacing			
At Taper (m)	6	6	6
Longitudinal (m)	12	12	12
Maximum Cone Spacing			
At Taper (m)	3	3	3
Longitudinal (m)	6	6	6
Cone Height (mm)	750	750	750
Safety Zone			
Longitudinal (m)	25	5	5
Lateral (m)	0.5	0.5	0.5
Sign Size (mm)	600	600	600
Minimum Lane Width (m)	3.0	3.0	3.0

Note:
 1 Refer to Chapter 8, section 8.3.2 for definition of design parameters.
 2 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres.
 3 Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly.
 4 The optimum lane width for all classes of vehicles is 3.25m. 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 8.3.1.2 to 8.3.1.4.

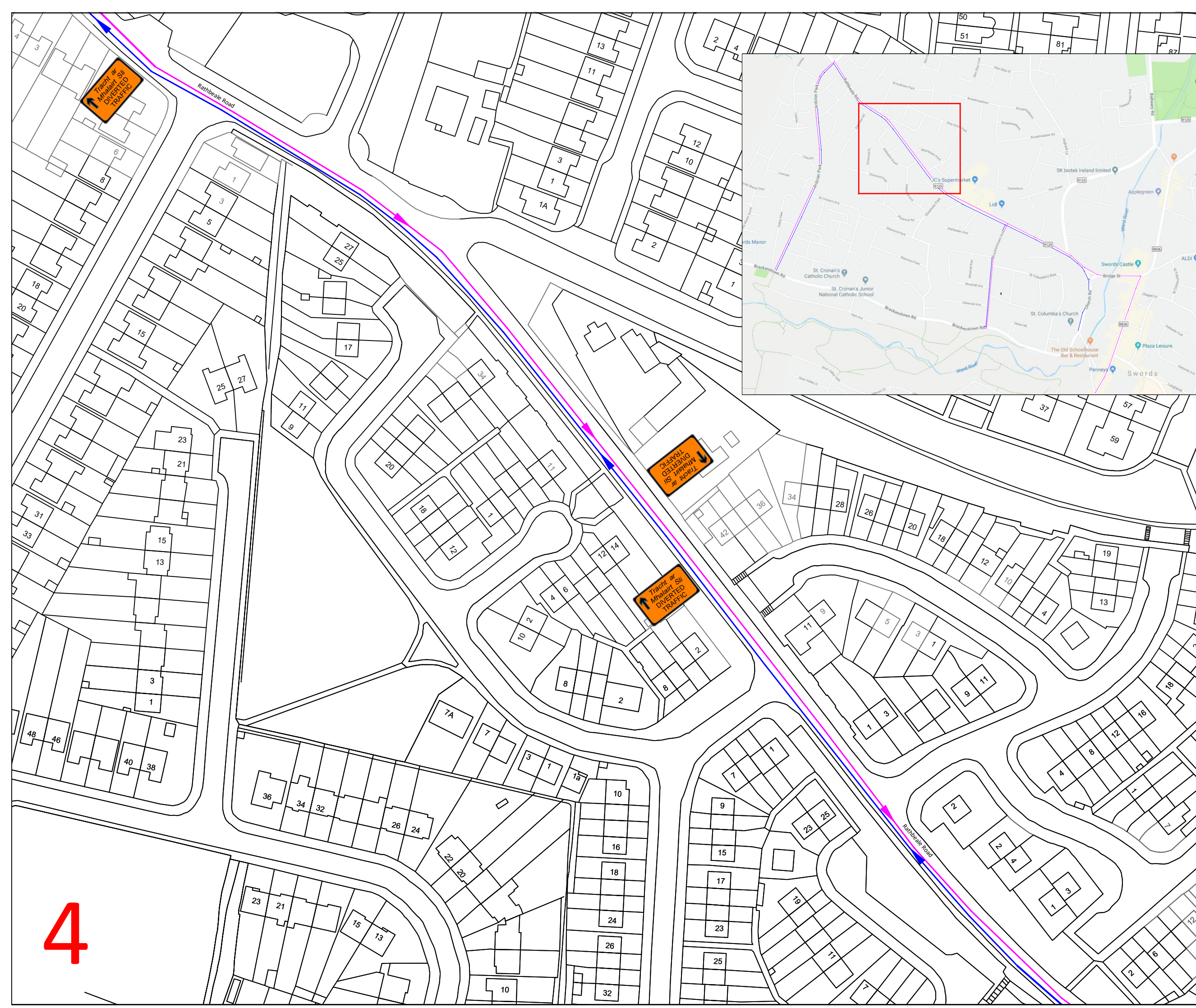


GMC Utilities Group Ltd.,
 Millennium Business Park,
 Cappagh Road, Finglas West,
 Dublin 11.

Project/Works Brackenstown Road WNM Construction Works
Location Brackenstown Road Swords
Drawing WM-TMP-4961-REV00
TM Method Road Closure
Designer NC
Date 10/09/2019
Recommended Print A3



4



NOTES:

1. Traffic Management to comply with Chapter 8 of the "Traffic Signs manual" and "Guidance for the control and Management of Traffic at Road Works".
2. Brackenstown Road to be closed. Alternative Diversion routes to be provided. Local Access to be maintained.
3. On single carriageway roads where the speed limit is 60kph or less, the first sign is to be placed 75m in advance of the works and all other signs to be placed at 25m intervals. (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. Minimum size of signs to be 600mm.
8. Minimum height of cones to be 750mm.

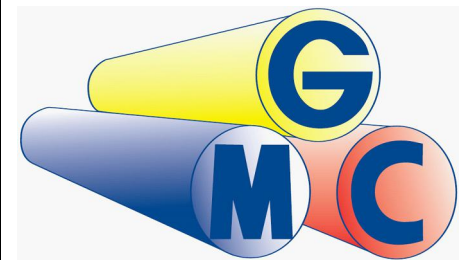
LEGEND:

- DIVERSION ROUTE A
- DIVERSION ROUTE B
- WORK AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- CONES
- TRAFFIC SIGN
- BARRIER BOARD



Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)		
Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time) / Roadworks Type C (Single Vehicle Operation)
Speed Limit	50 km/h or 60 km/h	50 km/h or 60 km/h
Temporary Signs		
Sign Visibility (m)	50	50
Number of Signs	3	2
Cumulative Distance (m)	75	25
Distance between advance signs (m)	25	25
Minimum Rate of Taper		
Taper at Lane (m)	1 in 15	1 in 5
Taper at Hard Shoulder (m)	1 in 10	1 in 5
Maximum Lamp Spacing		
At Taper (m)	6	6
Longitudinal (m)	12	12
Maximum Cone Spacing		
At Taper (m)	3	3
Longitudinal (m)	6	6
Cone Height (mm)	750	750
Safety Zone		
Longitudinal (m)	25	5
Lateral (m)	0.5	0.5
Sign Size (mm)	600	600
Minimum Lane Width (m)	3.0	3.0

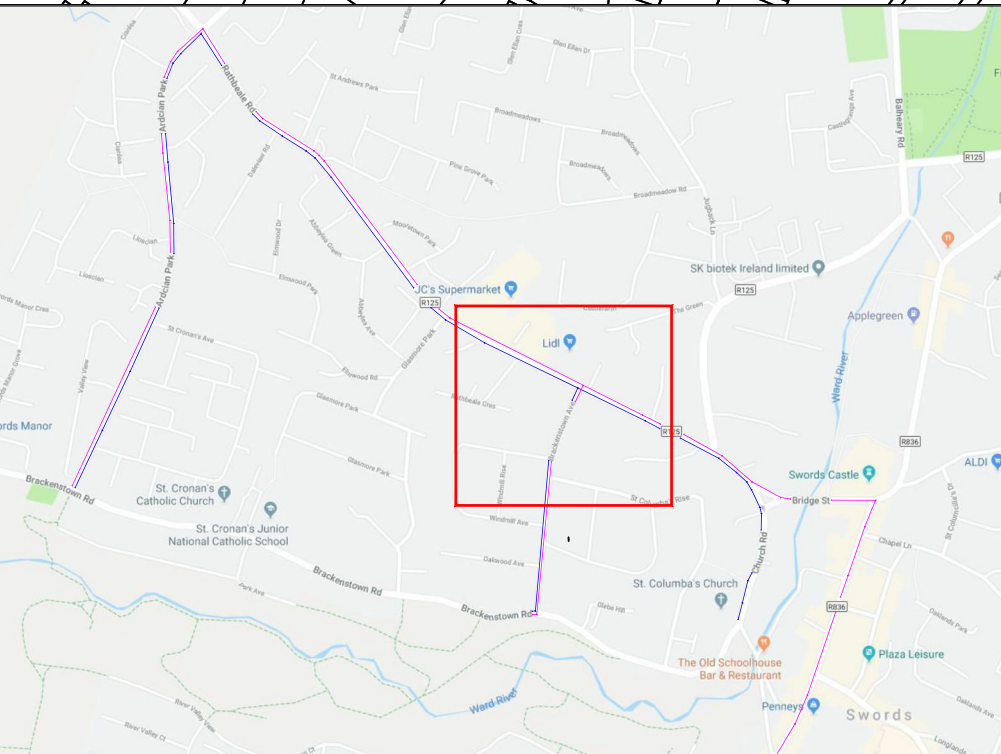
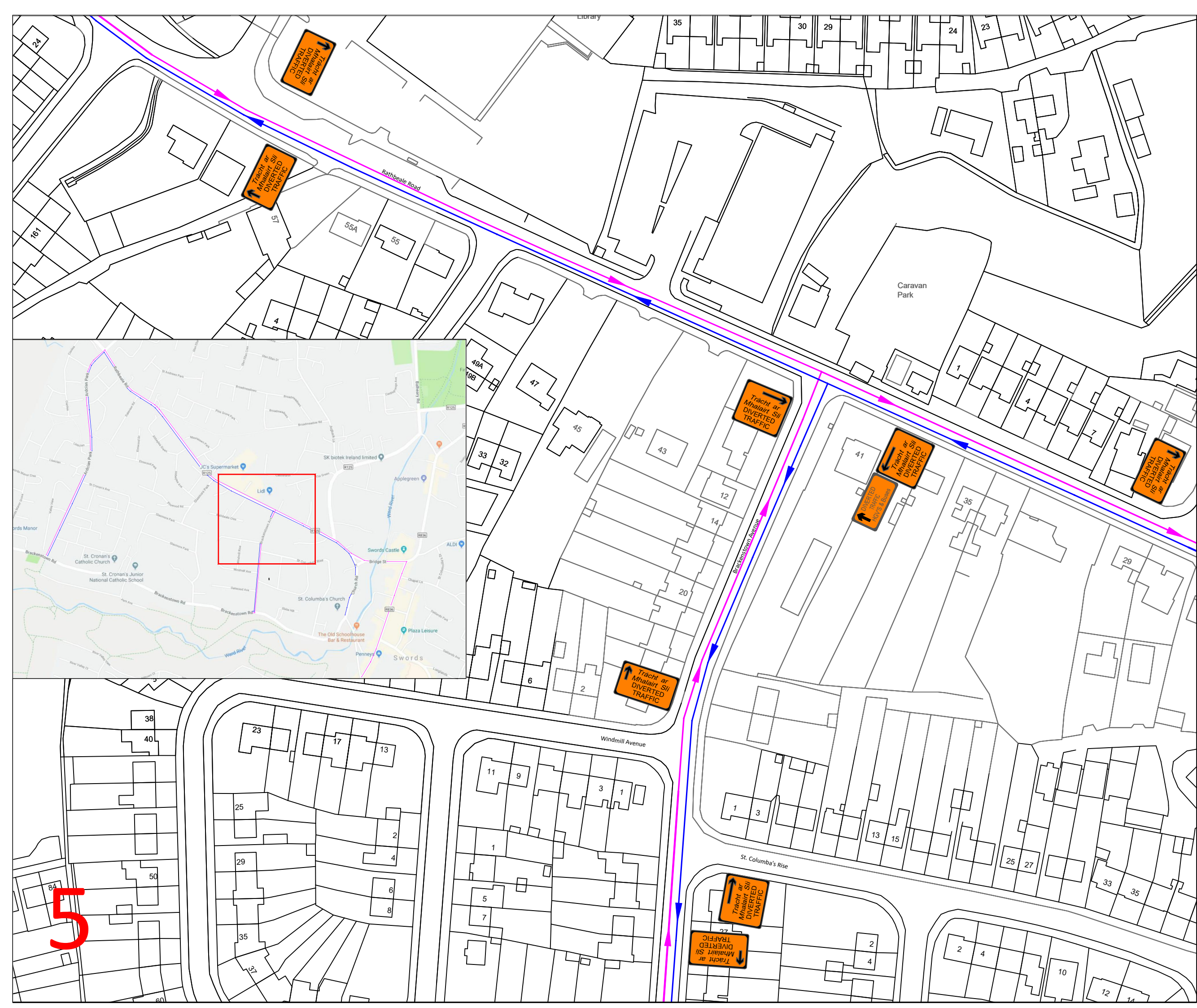
Note:
 1 Refer to Chapter 8, section 8.3.2 for definition of design parameters.
 2 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres.
 3 Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly.
 4 The optimum lane width for all classes of vehicles is 3.25m. 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 8.3.1.2 to 8.3.1.4.



GMC Utilities Group Ltd.,
 Millennium Business Park,
 Cappagh Road, Finglas West,
 Dublin 11.

Project/Works
 Brackenstown Road WNM Construction Works
Location
 Brackenstown Road Swords
Drawing
 WM-TMP-4962-REV00
TM Method
 Road Closure
Designer
 NC
Date
 10/09/2019

Recommended Print
 A3

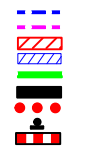


NOTES:

1. Traffic Management to comply with Chapter 8 of the "Traffic Signs manual" and "Guidance for the control and Management of Traffic at Road Works".
2. Brackenstown Road to be closed, Alternative Diversion routes to be provided. Local Access to be maintained.
3. On single carriageway roads where the speed limit is 60kph or less, the first sign is to be placed 75m in advance of the works and all other signs to be placed at 25m intervals. (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. Minimum size of signs to be 600mm.
8. Minimum height of cones to be 750mm.

LEGEND:

- DIVERSION ROUTE A
- DIVERSION ROUTE B
- WORK AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- CONES
- TRAFFIC SIGN
- BARRIER BOARD



Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)			
Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time)	Roadworks Type C (Single Vehicle Operation)
Speed Limit	50 km/h or 60 km/h		50 km/h or 60 km/h
Temporary Signs			
Sign Visibility (m)	50	50	50
Number of Signs	3	3	2
Cumulative Distance (m)	75	75	25
Distance between advance signs (m)	25	25	25
Minimum Rate of Taper			
Taper at Lane (m)	1 in 15	1 in 15	1 in 5
Taper at Hard Shoulder (m)	1 in 10	1 in 10	1 in 5
Maximum Lamp Spacing			
At Taper (m)	6	6	6
Longitudinal (m)	12	12	12
Maximum Cone Spacing			
At Taper (m)	3	3	3
Longitudinal (m)	6	6	6
Cone Height (mm)	750	750	750
Safety Zone			
Longitudinal (m)	25	5	5
Lateral (m)	0.5	0.5	0.5
Sign Size (mm)	600	600	600
Minimum Lane Width (m)	3.0	3.0	3.0

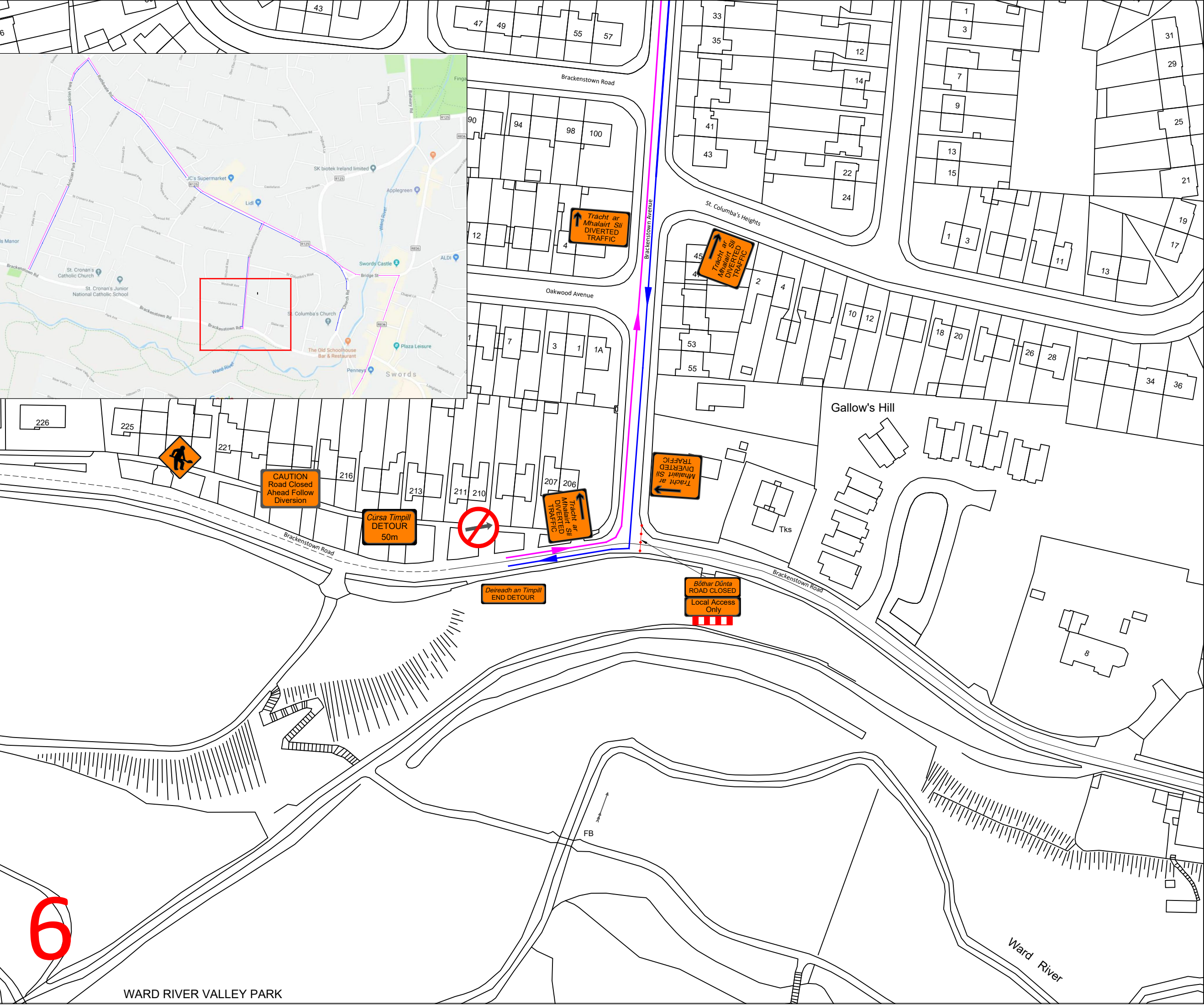
Note:
 1 Refer to Chapter 8, section 8.3.2 for definition of design parameters.
 2 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres.
 3 Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly.
 4 The optimum lane width for all classes of vehicles is 3.25m. 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 8.3.1.2 to 8.3.1.4.



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 Millennium Business Park,
 Cappagh Road, Finglas West,
 Dublin 11.

Project/Works
 Brackenstown Road WNM Construction Works
Location
 Brackenstown Road Swords
Drawing
 WM-TMP-4963-REV00
TM Method
 Road Closure
Designer
 NC
Date
 10/09/2019

Recommended Print
 A3



6

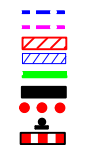
WARD RIVER VALLEY PARK

NOTES:

1. Traffic Management to comply with Chapter 8 of the "Traffic Signs manual" and "Guidance for the control and Management of Traffic at Road Works".
2. Brackenstown Road to be closed. Alternative Diversion routes to be provided. Local Access to be maintained.
3. On single carriageway roads where the speed limit is 60kph or less, the first sign is to be placed 75m in advance of the works and all other signs to be placed at 25m intervals. (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. Minimum size of signs to be 600mm.
8. Minimum height of cones to be 750mm.

LEGEND:

- DIVERSION ROUTE A
- DIVERSION ROUTE B
- WORK AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- CONES
- TRAFFIC SIGN
- BARRIER BOARD



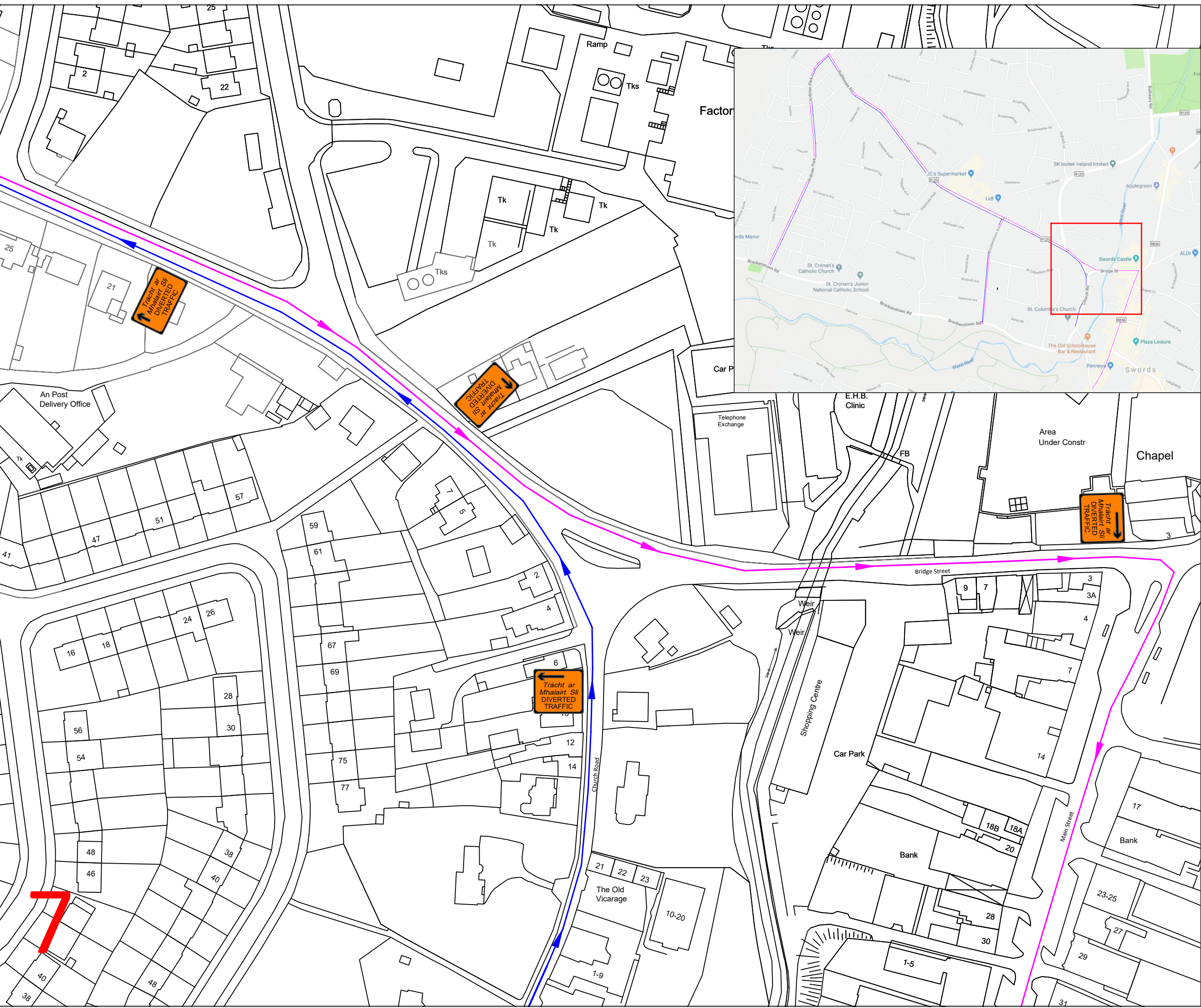
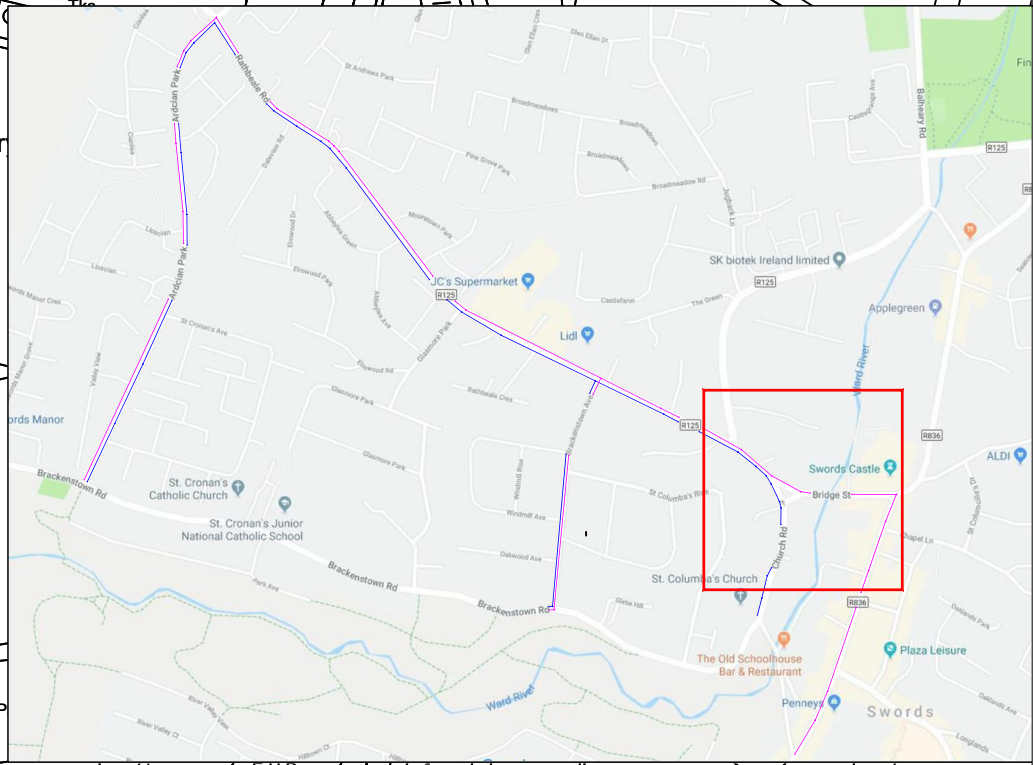
Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)			
Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time)	Roadworks Type C (Single Vehicle Operation)
Speed Limit	50 km/h or 60 km/h		50 km/h or 60 km/h
Temporary Signs			
Sign Visibility (m)	50	50	50
Number of Signs	3	2	2
Cumulative Distance (m)	75	25	25
Distance between advance signs (m)	25	25	25
Minimum Rate of Taper			
Taper at Lane (m)	1 in 15	1 in 5	1 in 5
Taper at Hard Shoulder (m)	1 in 10	1 in 5	1 in 5
Maximum Lamp Spacing			
At Taper (m)	6	6	6
Longitudinal (m)	12	12	12
Maximum Cone Spacing			
At Taper (m)	3	3	3
Longitudinal (m)	6	6	6
Cone Height (mm)	750	750	750
Safety Zone			
Longitudinal (m)	25	5	5
Lateral (m)	0.5	0.5	0.5
Sign Size (mm)	600	600	600
Minimum Lane Width (m)	3.0	3.0	3.0

Note:
 1 Refer to Chapter 8, section 8.3.2 for definition of design parameters.
 2 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres.
 3 Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly.
 4 The optimum lane width for all classes of vehicles is 3.25m. 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 8.3.1.2 to 8.3.1.4.



GMC Utilities Group Ltd.,
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 Cappagh Road, Finglas West,
 Dublin 11.

Project/Works
 Brackenstown Road WNM Construction Works
Location
 Brackenstown Road Swords
Drawing
 WM-TMP-4964-REV00
TM Method
 Road Closure
Designer
 NC
Date
 10/09/2019
Recommended Print
 A3



7

NOTES:

1. Traffic Management to comply with Chapter 8 of the "Traffic Signs manual" and "Guidance for the control and Management of Traffic at Road Works".
2. Brackenstown Road to be closed, Alternative Diversion routes to be provided. Local Access to be maintained.
3. On single carriageway roads where the speed limit is 60kph or less, the first sign is to be placed 75m in advance of the works and all other signs to be placed at 25m intervals. (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. Minimum size of signs to be 600mm.
8. Minimum height of cones to be 750mm.

LEGEND:

- DIVERSION ROUTE A
- DIVERSION ROUTE B
- WORK AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- CONES
- TRAFFIC SIGN
- BARRIER BOARD

Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)			
Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time)	Roadworks Type C (Single Vehicle Operation)
Speed Limit	50 km/h or 60 km/h	50 km/h or 60 km/h	50 km/h or 60 km/h
Temporary Signs			
Sign Visibility (m)	50	50	50
Number of Signs	3	3	2
Cumulative Distance (m)	75	75	25
Distance between advance signs (m)	25	25	25
Minimum Rate of Taper			
Taper at Lane (m)	1 in 15	1 in 15	1 in 5
Taper at Hard Shoulder (m)	1 in 10	1 in 10	1 in 5
Maximum Lamp Spacing			
At Taper (m)	6	6	6
Longitudinal (m)	12	12	12
Maximum Cone Spacing			
At Taper (m)	3	3	3
Longitudinal (m)	6	6	6
Cone Height (mm)	750	750	750
Safety Zone			
Longitudinal (m)	25	5	5
Lateral (m)	0.5	0.5	0.5
Sign Size (mm)	600	600	600
Minimum Lane Width (m)	3.0	3.0	3.0

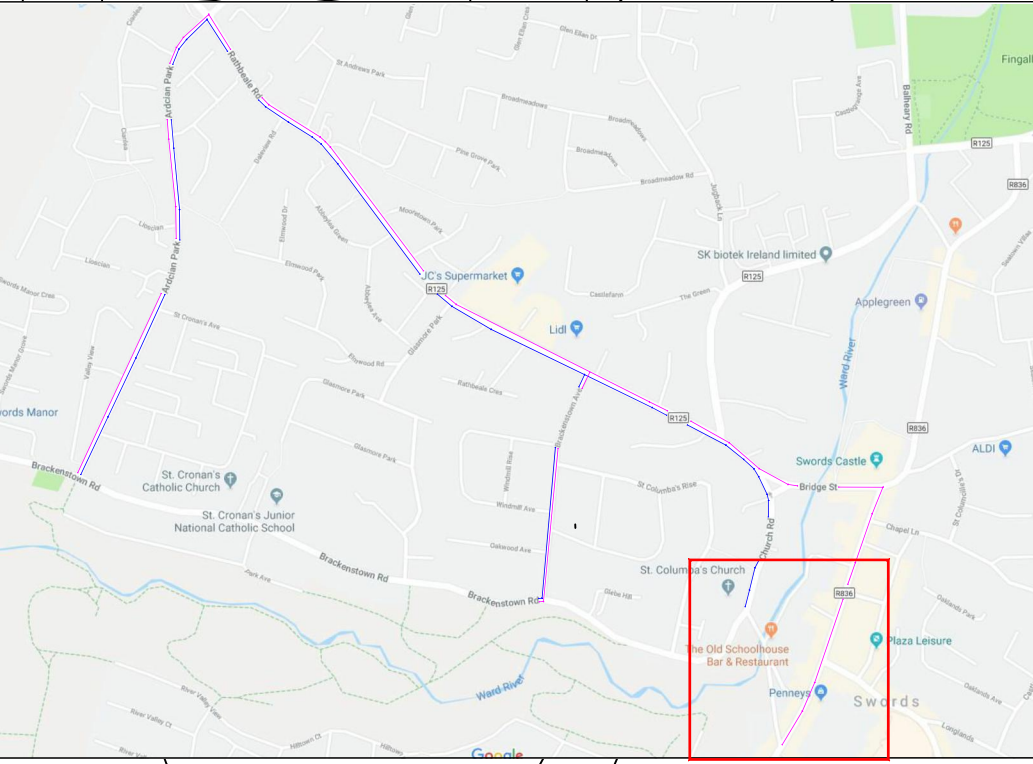
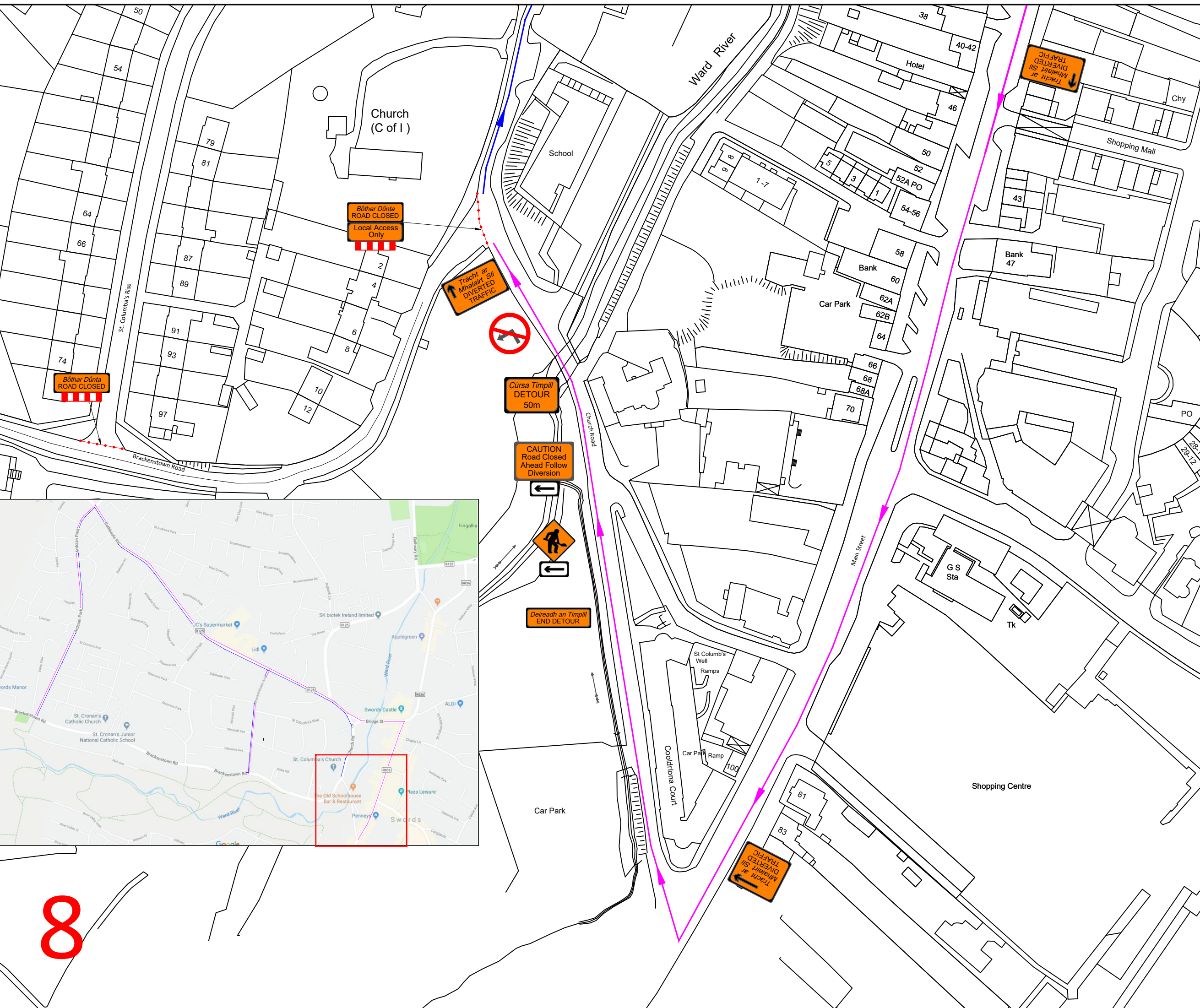
Note:
 1 Refer to Chapter 8, section 8.3.2 for definition of design parameters.
 2 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres.
 3 Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly.
 4 The optimum lane width for all classes of vehicles is 3.25m. 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 8.3.1.2 to 8.3.1.4.



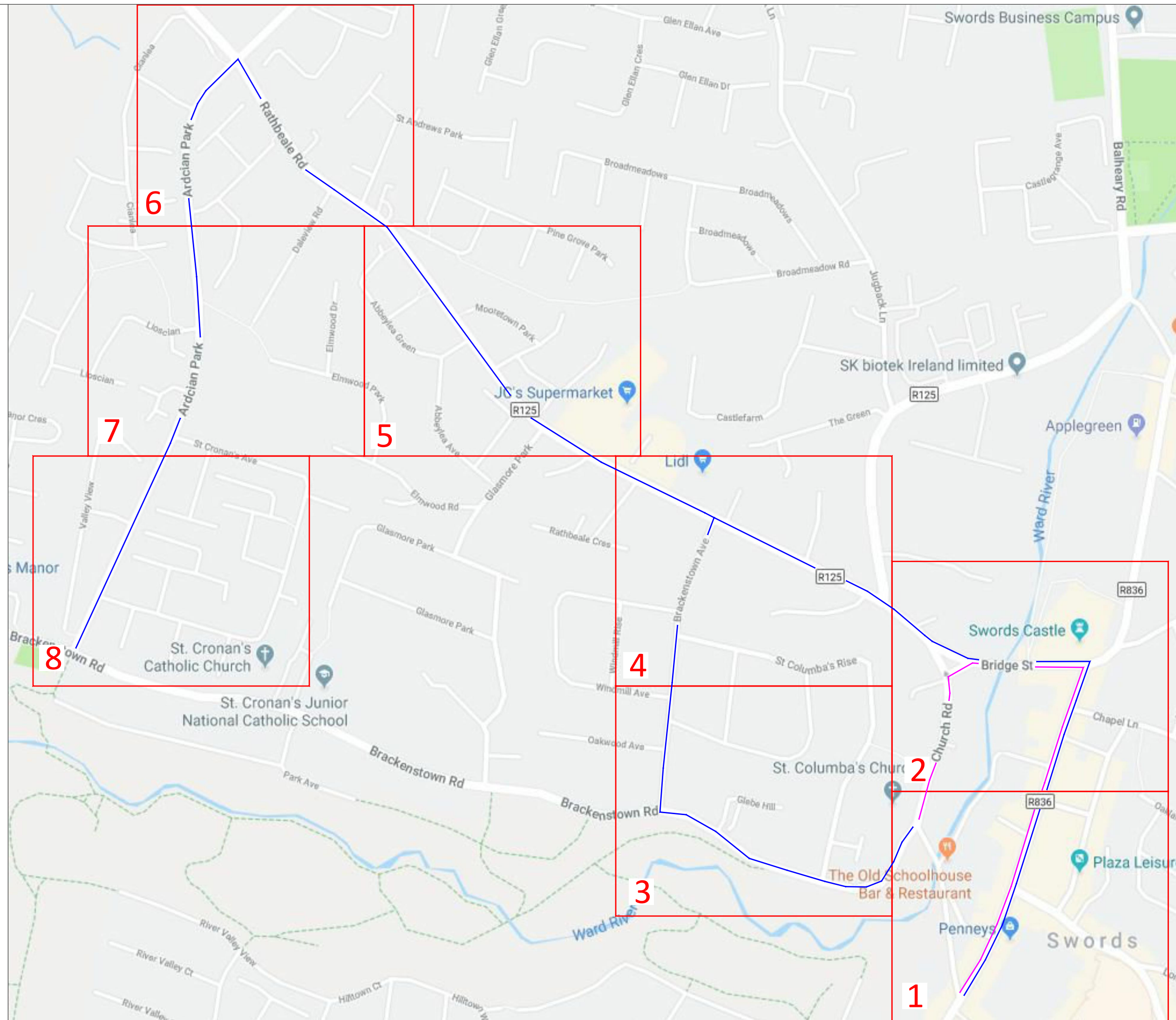
GMC Utilities Group Ltd.,
 Millennium Business Park,
 Cappagh Road, Finglas West,
 Dublin 11.

Project/Works
 Brackenstown Road WNM Construction Works
Location
 Brackenstown Road Swords
Drawing
 WM-TMP-4965-REV00
TM Method
 Road Closure
Designer
 NC
Date
 10/09/2019

Recommended Print
 A3



8



- NOTES:**
1. Traffic Management to comply with Chapter 8 of the "Traffic Signs manual" and "Guidance for the control and Management of Traffic at Road Works".
 2. Brackenstown Road to be closed, Alternative Diversion routes to be provided. Local Access to be maintained.
 3. On single carriageway roads where the speed limit is 60kph or less, the first sign is to be placed 75m in advance of the works and all other signs to be placed at 25m intervals. (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. Minimum size of signs to be 600mm.
 8. Minimum height of cones to be 750mm.

LEGEND:

- DIVERSION ROUTE A
- DIVERSION ROUTE B
- WORK AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- CONES
- TRAFFIC SIGN
- BARRIER SIGN

Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)

Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time)	Roadworks Type C (Single Vehicle Operation)
Speed Limit	50 km/h or 60 km/h	50 km/h or 60 km/h	50 km/h or 60 km/h
Temporary Signs			
Sign Visibility (m)	50	50	50
Number of Signs	3	3	2
Cumulative Distance (m)	75	75	25
Distance between advance signs (m)	25	25	25
Minimum Rate of Taper			
Taper at Lane (m)	1 in 15	1 in 15	1 in 5
Taper at Hard Shoulder (m)	1 in 10	1 in 10	1 in 5
Maximum Lamp Spacing			
At Taper (m)	6	6	6
Longitudinal (m)	12	12	12
Maximum Cone Spacing			
At Taper (m)	3	3	3
Longitudinal (m)	6	6	6
Cone Height (mm)	750	750	750
Safety Zone			
Longitudinal (m)	25	5	5
Lateral (m)	0.5	0.5	0.5
Sign Size (mm)	600	600	600
Minimum Lane Width (m)	3.0	3.0	3.0

Note:

- 1 Refer to Chapter 8, section 8.3.2 for definition of design parameters.
- 2 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres.
- 3 Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly.
- 4 The optimum lane width for all classes of vehicles is 3.25m. 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 8.3.1.2 to 8.3.1.4.



GMC Utilities Group Ltd.,
Millennium Business Park,
Cappagh Road, Finglas West,
Dublin 11.

Project/Works
Brackenstown Road WNM Construction Works

Location
Brackenstown Road Swords

Drawing
WM-TMP-4977-REV00

TM Method
Road Closure

Designer
NC

Date
10/09/2019

Recommended Print
A3



NOTES:

1. Traffic Management to comply with Chapter 8 of the "Traffic Signs manual" and "Guidance for the control and Management of Traffic at Road Works".
2. Church Road to be closed, Alternative Diversion routes to be provided. Local Access to be maintained.
3. On single carriageway roads where the speed limit is 60kph or less, the first sign is to be placed 75m in advance of the works and all other signs to be placed at 25m intervals. (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. Minimum size of signs to be 600mm.
8. Minimum height of cones to be 750mm.

LEGEND:

- DIVERSION ROUTE A
- DIVERSION ROUTE B
- WORK AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- CONES
- TRAFFIC SIGN
- BARRIER BOARD

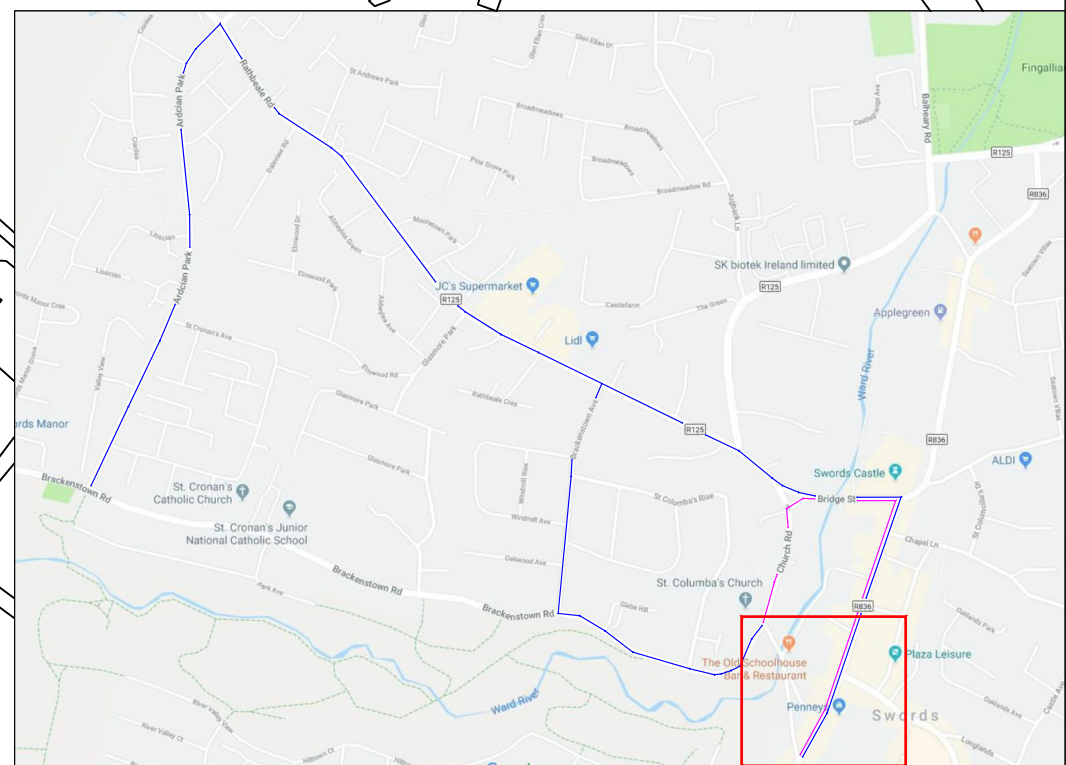
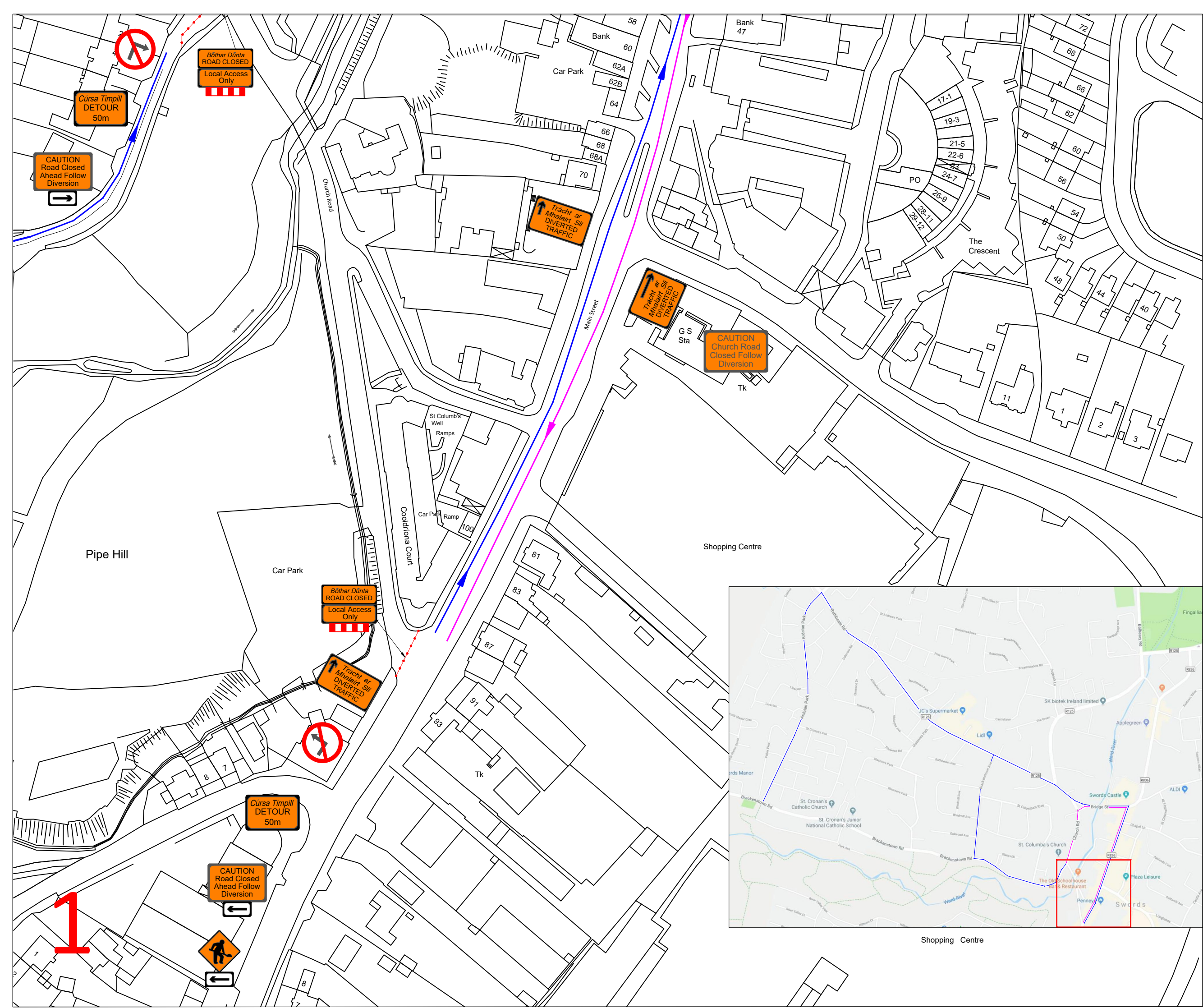
Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)		
Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time) / Roadworks Type C (Single Vehicle Operation)
Speed Limit	50 km/h or 60 km/h	50 km/h or 60 km/h
Temporary Signs		
Sign Visibility (m)	50	50
Number of Signs	3	2
Cumulative Distance (m)	75	25
Distance between advance signs (m)	25	25
Minimum Rate of Taper		
Taper at Lane (m)	1 in 15	1 in 5
Taper at Hard Shoulder (m)	1 in 10	1 in 5
Maximum Lamp Spacing		
At Taper (m)	6	6
Longitudinal (m)	12	12
Maximum Cone Spacing		
At Taper (m)	3	3
Longitudinal (m)	6	6
Cone Height (mm)	750	750
Safety Zone		
Longitudinal (m)	25	5
Lateral (m)	0.5	0.5
Sign Size (mm)	600	600
Minimum Lane Width (m)	3.0	3.0

Note:
 1 Refer to Chapter 8, section 8.3.2 for definition of design parameters.
 2 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres.
 3 Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly.
 4 The optimum lane width for all classes of vehicles is 3.25m. 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 8.3.1.2 to 8.3.1.4.

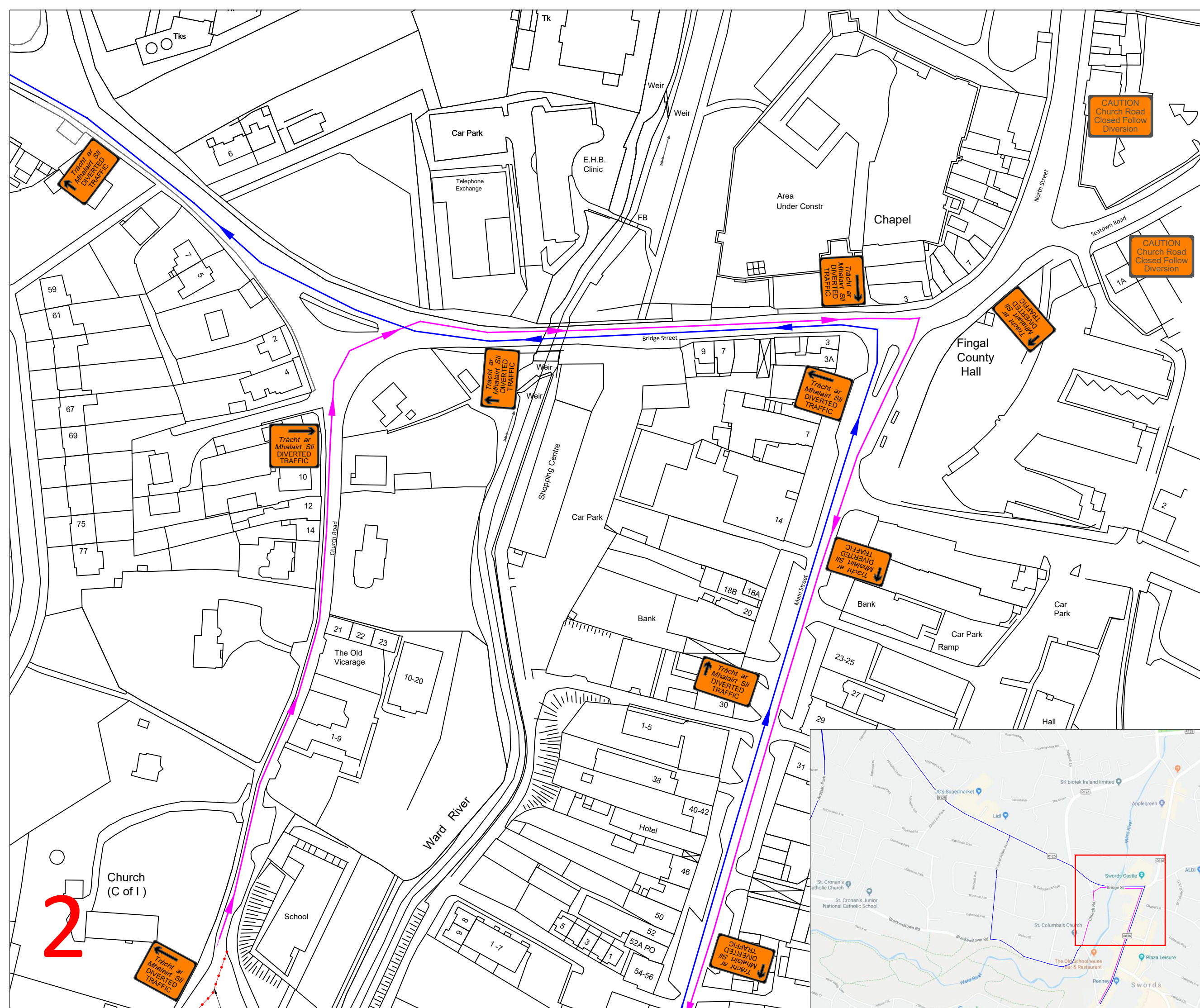


GMC Utilities Group Ltd.,
 Millennium Business Park,
 Cappagh Road, Finglas West,
 Dublin 11.

Project/Works
 Brackentown Road WNM Construction Works
Location
 Brackentown Road Swords
Drawing
 WM-TMP-4985-REV00
TM Method
 Road Closure
Designer
 NC
Date
 10/09/2019
Recommended Print
 A3



Shopping Centre



- NOTES:**
- Traffic Management to comply with Chapter 8 of the "Traffic Signs manual" and "Guidance for the control and Management of Traffic at Road Works".
 - Church Road to be closed, Alternative Diversion routes to be provided. Local Access to be maintained.
 - On single carriageway roads where the speed limit is 60kph or less, the first sign is to be placed 75m in advance of the works and all other signs to be placed at 25m intervals. (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.
 - Minimum size of signs to be 600mm.
 - Minimum height of cones to be 750mm.

LEGEND:

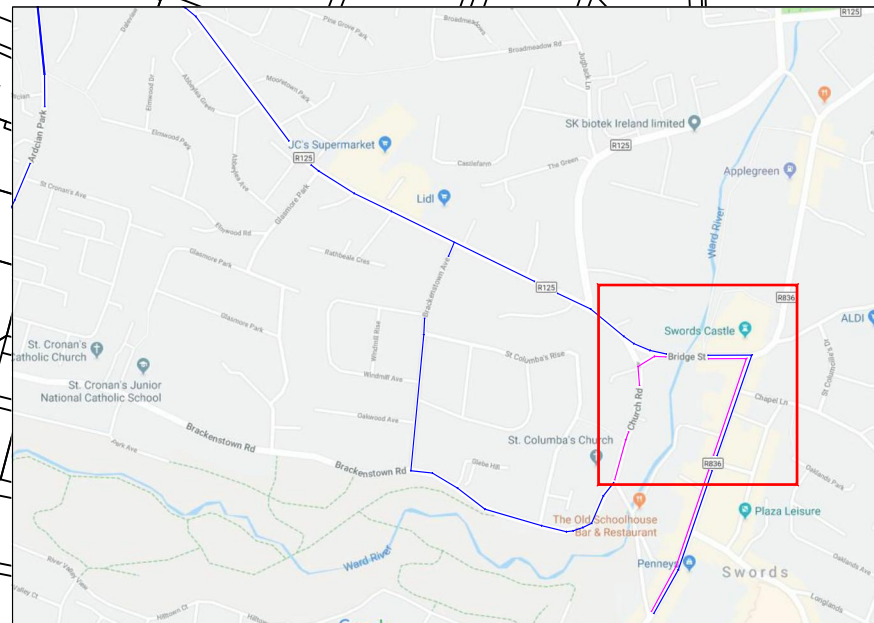
- DIVERSION ROUTE A
- DIVERSION ROUTE B
- WORK AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- CONES
- TRAFFIC SIGN
- BARRIER BOARD

Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)

Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time)	Roadworks Type C (Single Vehicle Operation)
Speed Limit	50 km/h or 60 km/h	50 km/h or 60 km/h	50 km/h or 60 km/h
Temporary Signs			
Sign Visibility (m)	50	50	50
Number of Signs	3	3	2
Cumulative Distance (m)	75	75	25
Distance between advance signs (m)	25	25	25
Minimum Rate of Taper			
Taper at Lane (m)	1 in 15	1 in 15	1 in 5
Taper at Hard Shoulder (m)	1 in 10	1 in 10	1 in 5
Maximum Lamp Spacing			
At Taper (m)	6	6	6
Longitudinal (m)	12	12	12
Maximum Cone Spacing			
At Taper (m)	3	3	3
Longitudinal (m)	6	6	6
Cone Height (mm)	750	750	750
Safety Zone			
Longitudinal (m)	25	5	5
Lateral (m)	0.5	0.5	0.5
Sign Size (mm)	600	600	600
Minimum Lane Width (m)	3.0	3.0	3.0

Note:

- Refer to Chapter 8, section 8.3.2 for definition of design parameters.
- 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres.
- Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly.
- The optimum lane width for all classes of vehicles is 3.25m. 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 8.3.1.2 to 8.3.1.4.



GMC Utilities Group Ltd.,
Millennium Business Park,
Cappagh Road, Finglas West,
Dublin 11.

Project/Works
Brackenstown Road WNM Construction Works

Location
Brackenstown Road Swords

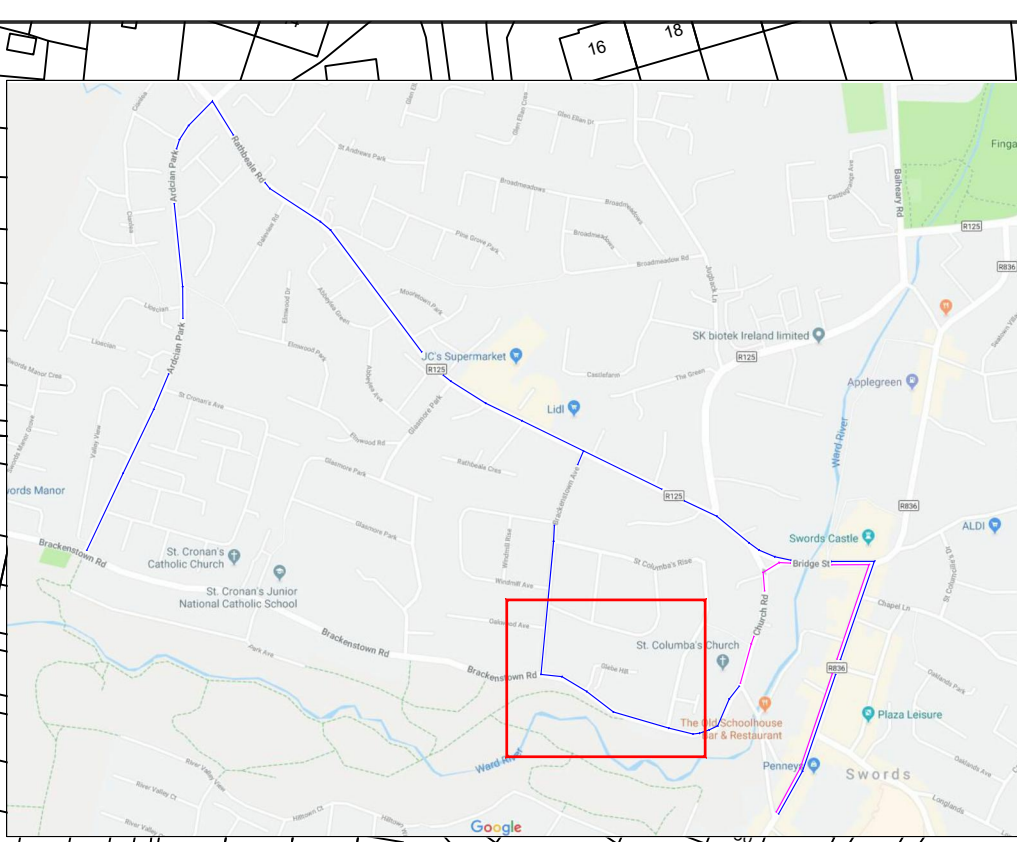
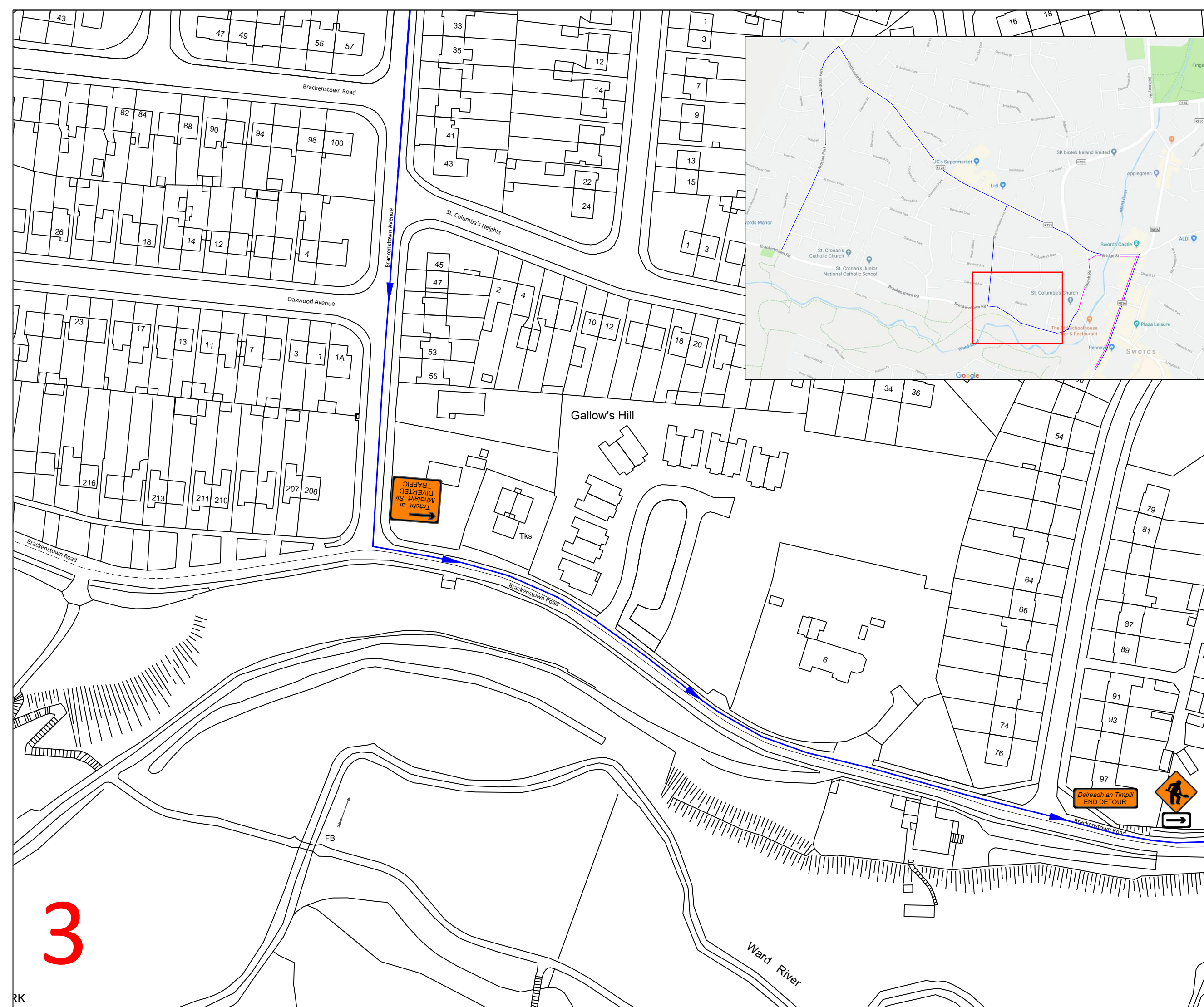
Drawing
WM-TMP-4968-REV00

TM Method
Road Closure

Designer
NC

Date
10/09/2019

Recommended Print
A3



- NOTES:**
- Traffic Management to comply with Chapter 8 of the "Traffic Signs manual" and "Guidance for the control and Management of Traffic at Road Works".
 - Church Road to be closed, Alternative Diversion routes to be provided. Local Access to be maintained.
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 - 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.
 - Minimum size of signs to be 600mm.
 - Minimum height of cones to be 750mm.

LEGEND:

- DIVERSION ROUTE A
- DIVERSION ROUTE B
- WORK AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- CONES
- TRAFFIC SIGN
- BARRIER BOARD

Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)

Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time)	Roadworks Type C (Single Vehicle Operation)
Speed Limit	50 km/h or 60 km/h		50 km/h or 60 km/h
Temporary Signs			
Sign Visibility (m)	50	50	50
Number of Signs	3	3	2
Cumulative Distance (m)	75	75	25
Distance between advance signs (m)	25	25	25
Minimum Rate of Taper			
Taper at Lane (m)	1 in 15	1 in 15	1 in 5
Taper at Hard Shoulder (m)	1 in 10	1 in 10	1 in 5
Maximum Lamp Spacing			
At Taper (m)	6	6	6
Longitudinal (m)	12	12	12
Maximum Cone Spacing			
At Taper (m)	3	3	3
Longitudinal (m)	6	6	6
Cone Height (mm)	750	750	750
Safety Zone			
Longitudinal (m)	25	5	5
Lateral (m)	0.5	0.5	0.5
Sign Size (mm)	600	600	600
Minimum Lane Width (m)	3.0	3.0	3.0

Note:

- Refer to Chapter 8, section 8.3.2 for definition of design parameters.
- 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres.
- Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly.
- The optimum lane width for all classes of vehicles is 3.25m. 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 8.3.1.2 to 8.3.1.4.



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Millennium Business Park,
Cappagh Road, Finglas West,
Dublin 11.

Project/Works
Brackenstown Road WNM Construction Works

Location
Brackenstown Road Swords

Drawing
WM-TMP-4983-REV00

TM Method
Road Closure

Designer
NC

Date
10/09/2019

Recommended Print
A3

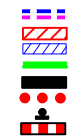
3

NOTES:

1. Traffic Management to comply with Chapter 8 of the "Traffic Signs manual" and "Guidance for the control and Management of Traffic at Road Works".
2. Church Road to be closed, Alternative Diversion routes to be provided. Local Access to be maintained.
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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. Minimum size of signs to be 600mm.
8. Minimum height of cones to be 750mm.

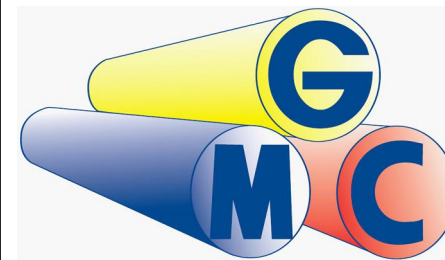
LEGEND:

- DIVERSION ROUTE A
- DIVERSION ROUTE B
- WORK AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- CONES
- TRAFFIC SIGN
- BARRIER BOARD



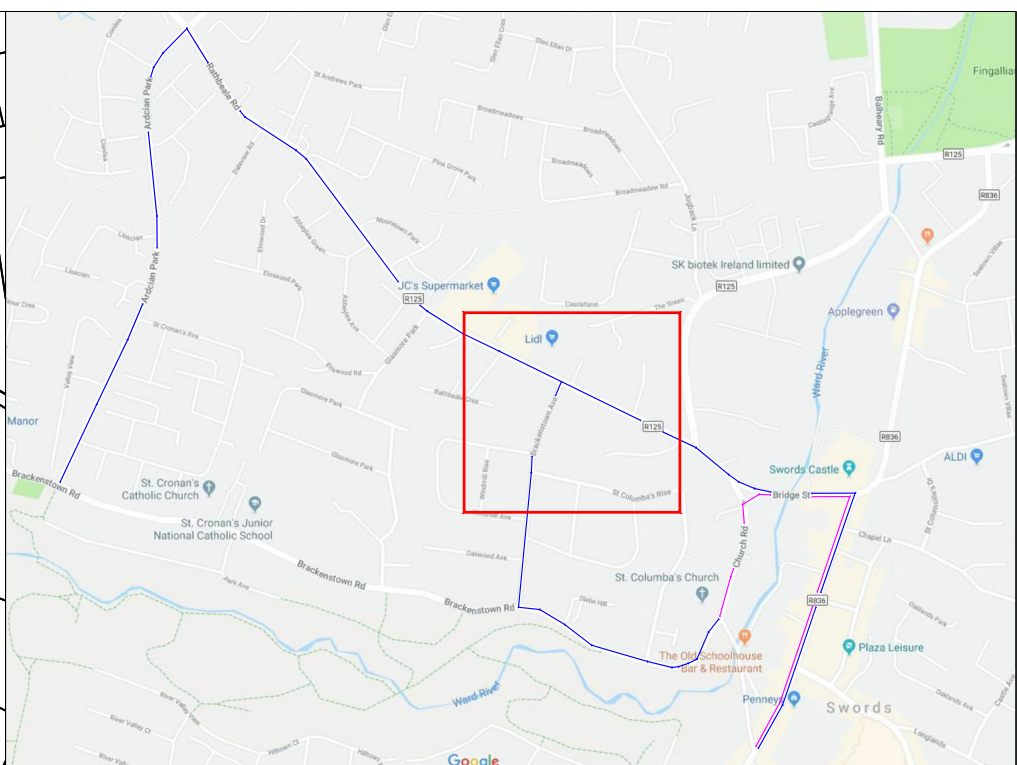
Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)		
Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time) / Roadworks Type C (Single Vehicle Operation)
Speed Limit	50 km/h or 60 km/h	50 km/h or 60 km/h
Temporary Signs		
Sign Visibility (m)	50	50
Number of Signs	3	2
Cumulative Distance (m)	75	25
Distance between advance signs (m)	25	25
Minimum Rate of Taper		
Taper at Lane (m)	1 in 15	1 in 5
Taper at Hard Shoulder (m)	1 in 10	1 in 5
Maximum Lamp Spacing		
At Taper (m)	6	6
Longitudinal (m)	12	12
Maximum Cone Spacing		
At Taper (m)	3	3
Longitudinal (m)	6	6
Cone Height (mm)	750	750
Safety Zone		
Longitudinal (m)	25	5
Lateral (m)	0.5	0.5
Sign Size (mm)	600	600
Minimum Lane Width (m)	3.0	3.0

Note:
 1 Refer to Chapter 8, section 8.3.2 for definition of design parameters.
 2 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres.
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GMC Utilities Group Ltd.,
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 Cappagh Road, Finglas West,
 Dublin 11.

Project/Works
 Brackenstown Road WNM Construction Works
Location
 Brackenstown Road Swords
Drawing
 WM-TMP-4982-REV00
TM Method
 Road Closure
Designer
 NC
Date
 10/09/2019
Recommended Print
 A3



NOTES:

1. Traffic Management to comply with Chapter 8 of the "Traffic Signs manual" and "Guidance for the control and Management of Traffic at Road Works".
2. Church Road to be closed. Alternative Diversion routes to be provided. Local Access to be maintained.
3. On single carriageway roads where the speed limit is 60kph or less, the first sign is to be placed 75m in advance of the works and all other signs to be placed at 25m intervals. (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.
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7. Minimum size of signs to be 600mm.
8. Minimum height of cones to be 750mm.

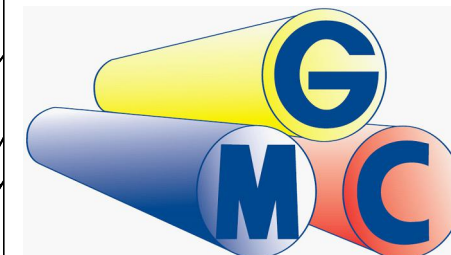
LEGEND:

- DIVERSION ROUTE A
- DIVERSION ROUTE B
- WORK AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- CONES
- TRAFFIC SIGN
- BARRIER BOARD



Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)			
Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time)	Roadworks Type C (Single Vehicle Operation)
Speed Limit	50 km/h or 60 km/h		50 km/h or 60 km/h
Temporary Signs			
Sign Visibility (m)	50	50	50
Number of Signs	3	3	2
Cumulative Distance (m)	75	75	25
Distance between advance signs (m)	25	25	25
Minimum Rate of Taper			
Taper at Lane (m)	1 in 15	1 in 15	1 in 5
Taper at Hard Shoulder (m)	1 in 10	1 in 10	1 in 5
Maximum Lamp Spacing			
At Taper (m)	6	6	6
Longitudinal (m)	12	12	12
Maximum Cone Spacing			
At Taper (m)	3	3	3
Longitudinal (m)	6	6	6
Cone Height (mm)	750	750	750
Safety Zone			
Longitudinal (m)	25	5	5
Lateral (m)	0.5	0.5	0.5
Sign Size (mm)	600	600	600
Minimum Lane Width (m)	3.0	3.0	3.0

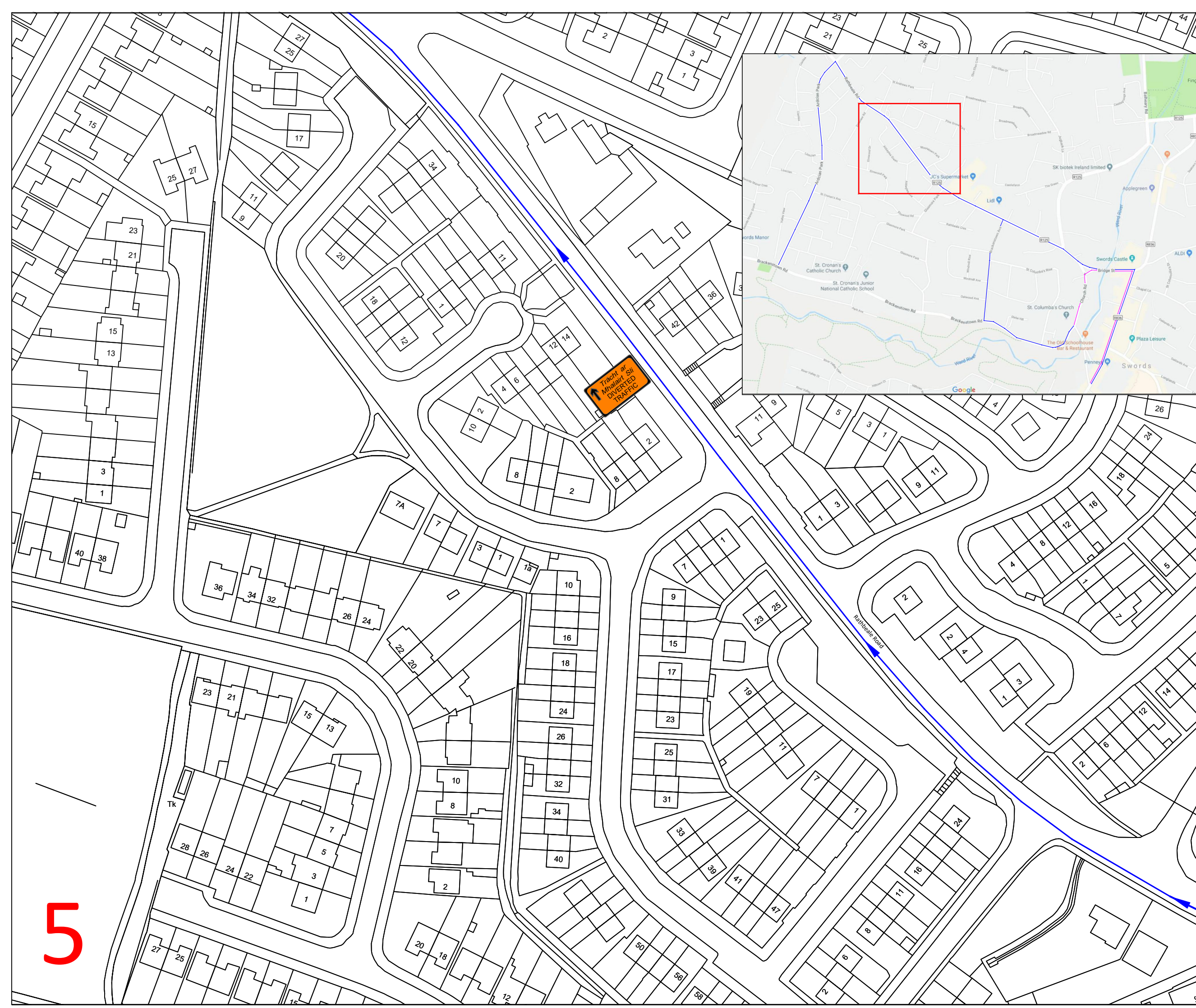
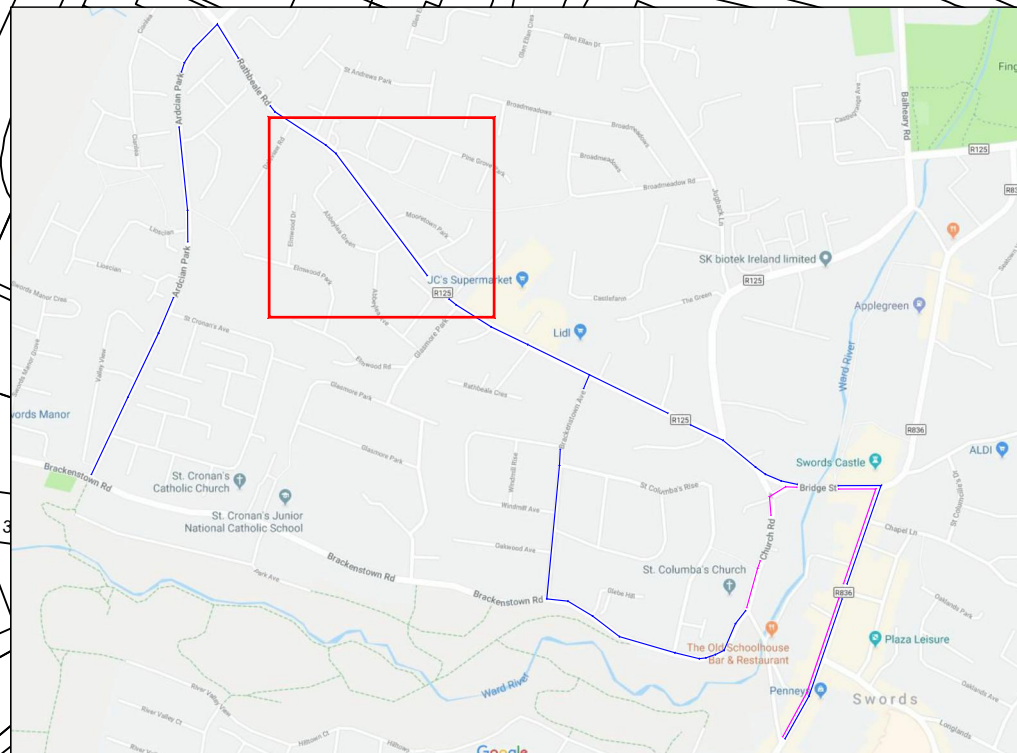
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 2 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres.
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 Cappagh Road, Finglas West,
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Project/Works
 Brackentown Road WNM Construction Works
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TM Method
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Designer
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Date
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Recommended Print
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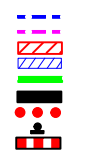
5

NOTES:

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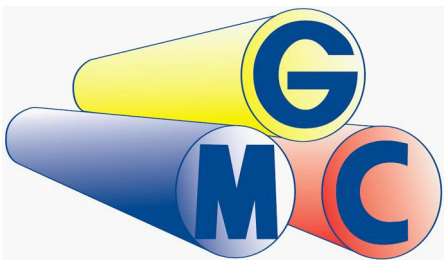
LEGEND:

- DIVERSION ROUTE A
- DIVERSION ROUTE B
- WORK AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- CONES
- TRAFFIC SIGN
- BARRIER BOARD



Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)			
Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time)	Roadworks Type C (Single Vehicle Operation)
Speed Limit	50 km/h or 60 km/h		50 km/h or 60 km/h
Temporary Signs			
Sign Visibility (m)	50	50	50
Number of Signs	3	3	2
Cumulative Distance (m)	75	75	25
Distance between advance signs (m)	25	25	25
Minimum Rate of Taper			
Taper at Lane (m)	1 in 15	1 in 15	1 in 5
Taper at Hard Shoulder (m)	1 in 10	1 in 10	1 in 5
Maximum Lamp Spacing			
At Taper (m)	6	6	6
Longitudinal (m)	12	12	12
Maximum Cone Spacing			
At Taper (m)	3	3	3
Longitudinal (m)	6	6	6
Cone Height (mm)	750	750	750
Safety Zone			
Longitudinal (m)	25	5	5
Lateral (m)	0.5	0.5	0.5
Sign Size (mm)	600	600	600
Minimum Lane Width (m)	3.0	3.0	3.0

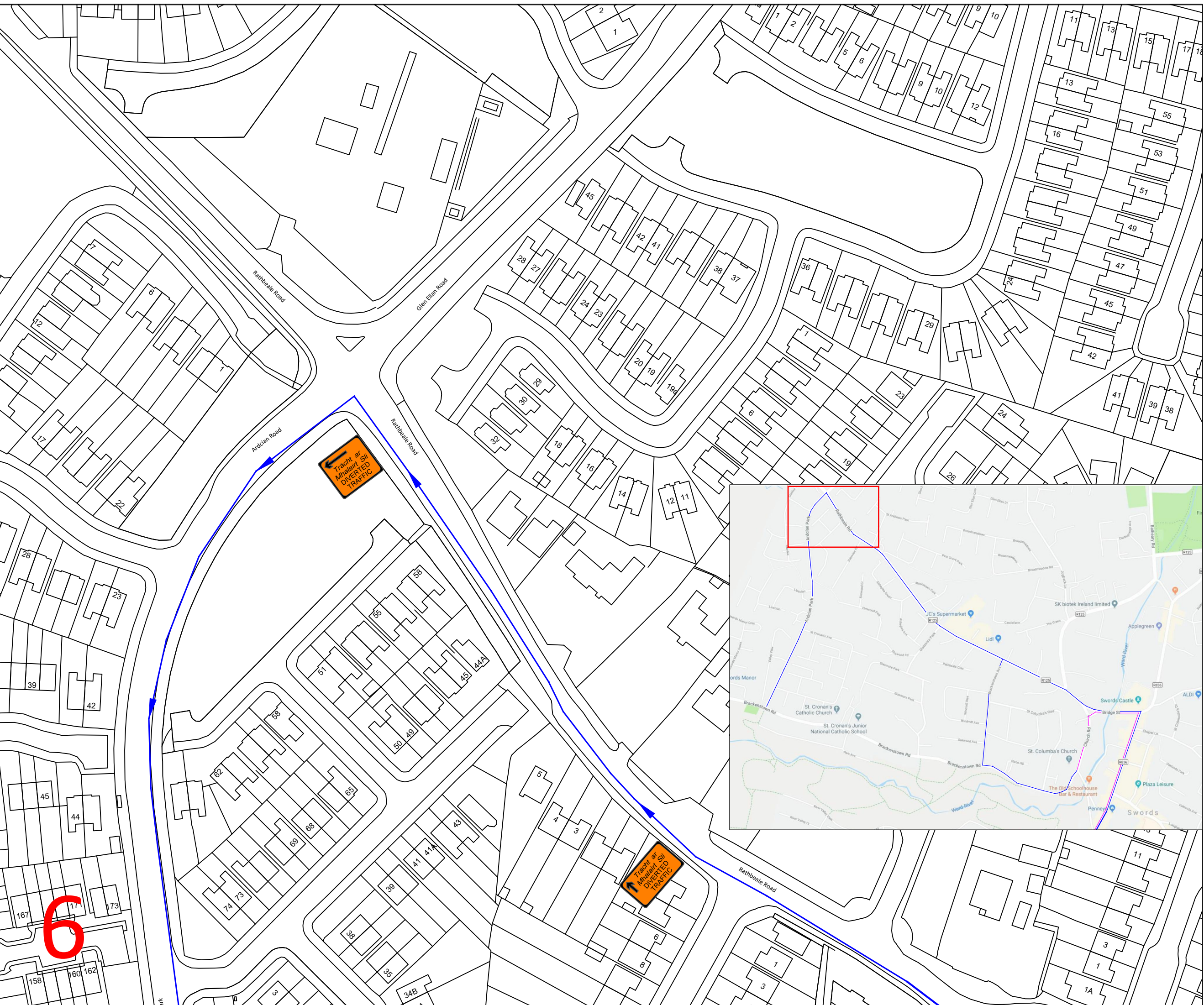
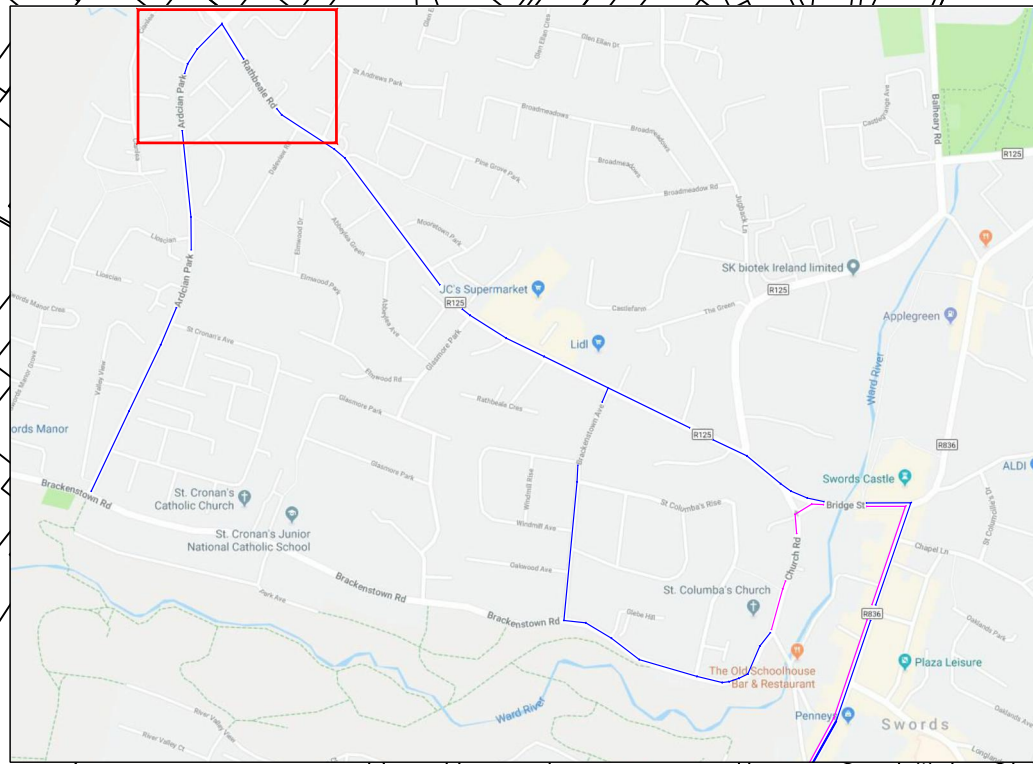
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GMC Utilities Group Ltd.,
 Millennium Business Park,
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Project/Works
 Brackentown Road WNM Construction Works
Location
 Brackentown Road Swords
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 WM-TMP-4980-REV00
TM Method
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Designer
 NC
Date
 10/09/2019

Recommended Print
 A3



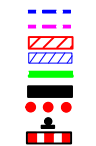
6

NOTES:

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2. Church Road to be closed, Alternative Diversion routes to be provided. Local Access to be maintained.
3. On single carriageway roads where the speed limit is 60kph or less, the first sign is to be placed 75m in advance of the works and all other signs to be placed at 25m intervals. (Type A & B)
4. A Pedestrian walkway of 1.2m minimum to be maintained at all times, kerb ramps to be provided where required
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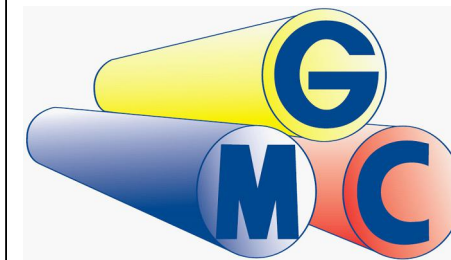
LEGEND:

- DIVERSION ROUTE A
- DIVERSION ROUTE B
- WORK AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- CONES
- TRAFFIC SIGN
- BARRIER BOARD



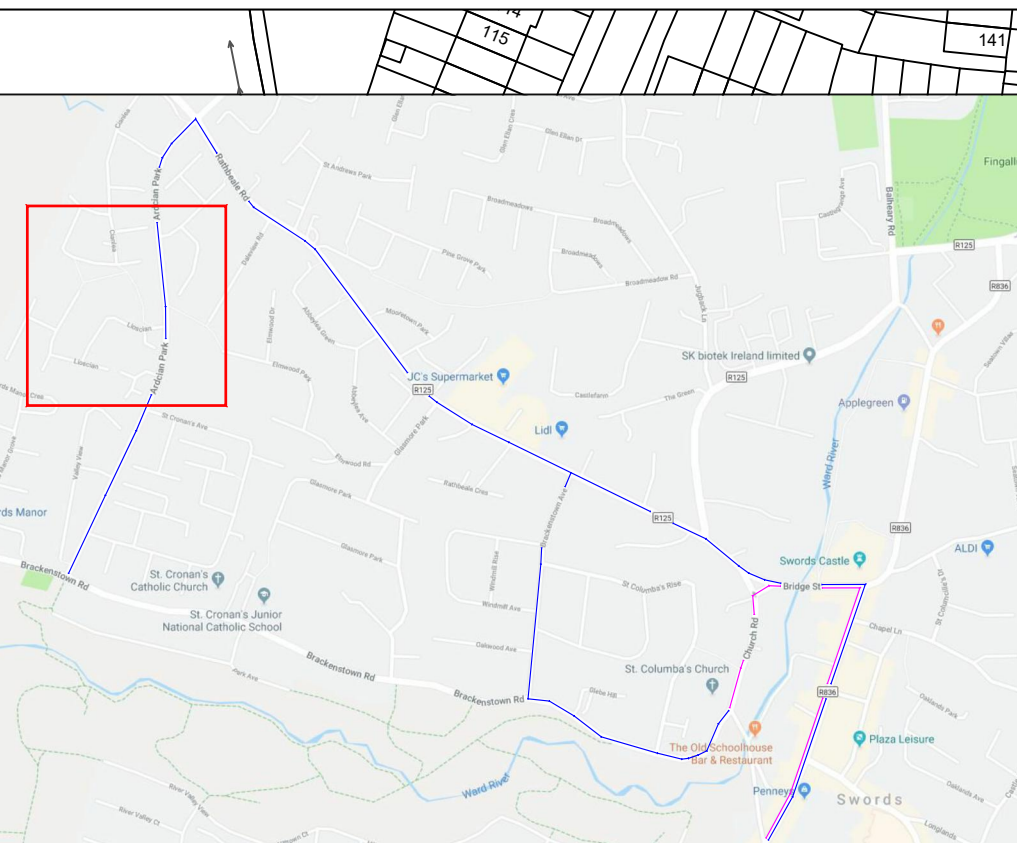
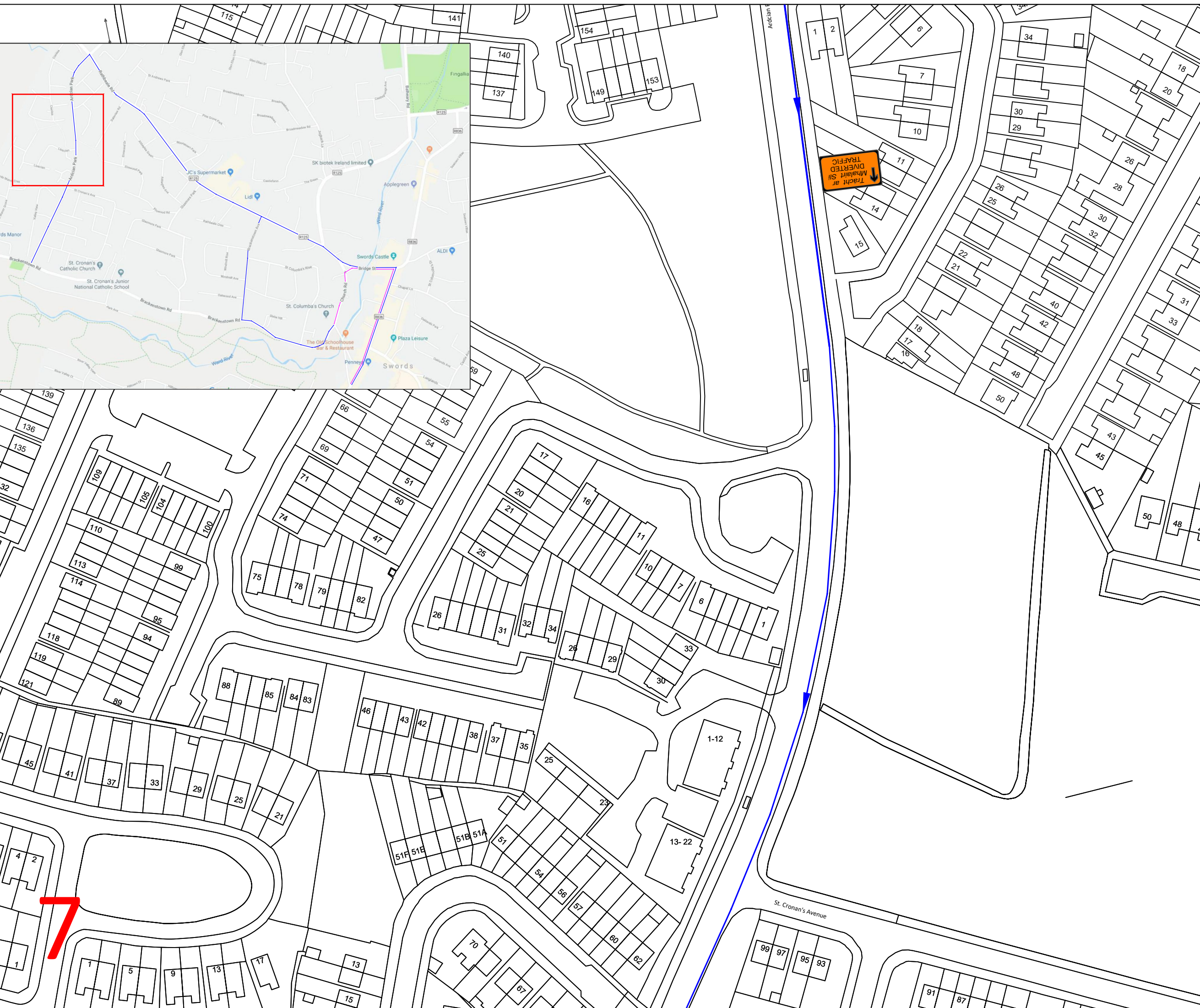
Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)		
Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time) / Roadworks Type C (Single Vehicle Operation)
Speed Limit	50 km/h or 60 km/h	50 km/h or 60 km/h
Temporary Signs		
Sign Visibility (m)	50	50
Number of Signs	3	2
Cumulative Distance (m)	75	25
Distance between advance signs (m)	25	25
Minimum Rate of Taper		
Taper at Lane (m)	1 in 15	1 in 5
Taper at Hard Shoulder (m)	1 in 10	1 in 5
Maximum Lamp Spacing		
At Taper (m)	6	6
Longitudinal (m)	12	12
Maximum Cone Spacing		
At Taper (m)	3	3
Longitudinal (m)	6	6
Cone Height (mm)	750	750
Safety Zone		
Longitudinal (m)	25	5
Lateral (m)	0.5	0.5
Sign Size (mm)	600	600
Minimum Lane Width (m)	3.0	3.0

Note:
 1 Refer to Chapter 8, section 8.3.2 for definition of design parameters.
 2 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres.
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GMC Utilities Group Ltd.,
Millennium Business Park,
Cappagh Road, Finglas West,
Dublin 11.

Project/Works
Brackentown Road WNM Construction Works
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Date
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A3



NOTES:

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LEGEND:

- DIVERSION ROUTE A
- DIVERSION ROUTE B
- WORK AREA
- SAFETY AREA
- LATERAL SAFETY ZONE
- PEDESTRIAN BARRIER
- CONES
- TRAFFIC SIGN
- BARRIER BOARD

Design Parameters for Level 2 (Single Carriageway 50 or 60 km/h)			
Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time)	Roadworks Type C (Single Vehicle Operation)
Speed Limit	50 km/h or 60 km/h		50 km/h or 60 km/h
Temporary Signs			
Sign Visibility (m)	50	50	50
Number of Signs	3	3	2
Cumulative Distance (m)	75	75	25
Distance between advance signs (m)	25	25	25
Minimum Rate of Taper			
Taper at Lane (m)	1 in 15	1 in 15	1 in 5
Taper at Hard Shoulder (m)	1 in 10	1 in 10	1 in 5
Maximum Lamp Spacing			
At Taper (m)	6	6	6
Longitudinal (m)	12	12	12
Maximum Cone Spacing			
At Taper (m)	3	3	3
Longitudinal (m)	6	6	6
Cone Height (mm)	750	750	750
Safety Zone			
Longitudinal (m)	25	5	5
Lateral (m)	0.5	0.5	0.5
Sign Size (mm)	600	600	600
Minimum Lane Width (m)	3.0	3.0	3.0

Note:
 1 Refer to Chapter 8, section 8.3.2 for definition of design parameters.
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GMC Utilities Group Ltd.,
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Project/Works
 Brackenstown Road WNM Construction Works
Location
 Brackenstown Road Swords
Drawing
 WM-TMP-4978-REV00
TM Method
 Road Closure
Designer
 NC
Date
 10/09/2019
Recommended Print
 A3

