3-16VA Catholic School

Highways Section 278 Design

Executive Summary



Off-Site Highways

CAMBRIA

What is a Section 278?

Section 278 of the Highways Act 1980 allows a developer to carry out works to the public highway. This is generally necessary where planning permission has been granted for a development that requires improvements to, or changes to, public highways.

The agreement between the highway authority and the developer is called a Section 278 Agreement, and it may allow for items such as:

- Roundabouts.
- Priority junctions.
- Junctions with traffic lights.
- Right turn lanes.
- Improved facilities for pedestrians and cyclists.
- Improvements to existing junctions.
- Traffic calming measures.

The S278 has two significant elements, a technical (design) element and a legal (responsibilities) element. If the developer happens to be the same authority, as it is in this case, combined with a simpler scheme (e.g. no ongoing commuted sums or maintenance concerns), it is possible the necessary highway improvement works could be completed under a Section 111. A S111 is the same technical procedure as a S278, but without the legal elements. This is yet to be determined within Merthyr Tydfil County Borough Council, and is likely to depend upon the final agreed solution.

General (South Section)

Safety Zone commences and signage to alert people entering the 20mph zone, or leaving and returning to 30mph. There is also a priority traffic calming feature as people leave Gwaunfarren Road heading up Galon Uchaf Road to reduce speeds as the school is approached.



Option A

Features – Sheet 1

- 20mph Safety Zone commences from Gurnos Road upon entering Gwaunfarren Road.
- 2. Return to 30mph signage into Gwaelodygarth
- 3. 20mph signage entering Gwaunfarren Road, return to 30mph signage of leaving Gwaunfarren Road.
- 4. 20mph Safety Zone road signage (reminder)
- 20mph signage for this section of Gwaunfarren Road (travelling west), return to 30mph signage for this section of Gwaunfarren Road (travelling east).
- 6. Priority signage (Traffic Calming), priority for those cars heading north, leaving Gwaunfarren Road entering Galon Uchaf Road.
- Priority signage (Traffic Calming), give way to those cars heading north, leaving Gwaunfarren Road entering Galon Uchaf Road.

General (Central Section)

Safety Zone continues with further traffic calming features. The school access and egress have a number of associated safety features, including a right turn lane to avoid congestion.



Features – Sheet 2

1. Controlled Pedestrian Puffin Crossing. Signalised.

Option A

- 2. 20mph Safety Zone road signage (reminder)
- 3. Priority signage (Traffic Calming), priority for those cars heading south on Galon Uchaf Road.
- 4. Slow road signage on approach to school entrance.
- School Entrance One way sign and no entry sign for anyone trying to leave the school through this junction. Guard railing on entrance footpaths to avoid crossing through bellmouth.
- 6. Right turn lane, so queueing traffic doesn't cause congestion down Galon Uchaf Road. Also likely solid island feature to the south side to ensure cars correctly stay in left lane as travelling up Galon Uchaf Road.
- School Egress One way sign and no entry sign for anyone trying to enter the school through this junction. Guard railing on egress footpaths to avoid crossing through bellmouth.
- 8. 20mph Safety Signage

General (North Section)

Safety Zone commences and signage to alert people entering the 20mph zone, or leaving and returning to 30mph. There is also a priority traffic calming feature as people travel south on Galon Uchaf Road to reduce speeds as the school is approached.



Option A

Features – Sheet 3

- 1. 20mph Safety Zone road signage as entering/leaving Tenth Avenue.
- 2. 20mph Safety Zone road signage as entering/leaving Ninth Avenue.
- 3. Priority signage (Traffic Calming), priority for those cars heading north on Galon Uchaf Road.
- 4. 20mph Safety Zone commences as travelling down Galon Uchaf Road



Option B

General

20mph Safety Zone commencing north of Ninth Avenue, to ensure safety from all three approach roads

- Galon Uchaf Road (heading south)
- Gwaunfarren Road (heading north)
- Gwaunfarren Road (heading west)

Puffin crossing for pedestrians walking south, as there is no proposed footpath to east side of Galon Uchaf Road for school perimeter.

Features – Sheet 1

- 1. 20mph Safety Zone commences from north of Ninth Avenue
- 2. Controlled Pedestrian Puffin Crossing. Signalised.



General

Option B

20mph Safety Zone throughout whole area, access from north for pedestrians along west Galon Uchaf footpath. Traffic calming and crossing features on Gwaunfarren Road.



Features – Sheet 1

- Nursery and visitors entrance, access only (no egress) signage will be provided as previous examples. Not all parking and roads within the site do not form part of the S278.
- 2. Pedestrian route to walk south on Galon Uchaf Road, there is no footpath proposed to east side of carriageway.
- 3. Controlled Pedestrian Puffin Crossing. Signalised.
- 20mph Safety Zone commences from Gurnos Road upon entering Gwaunfarren Road.
- 5. Zebra Crossing.
- Parent Drop Off there is sufficient existing carriageway width to realign the road.
- 7. Controlled Pedestrian Puffin Crossing. Signalised.
- Realigned access to enable buses and coaches to enter, turn around and safely deliver pupils.