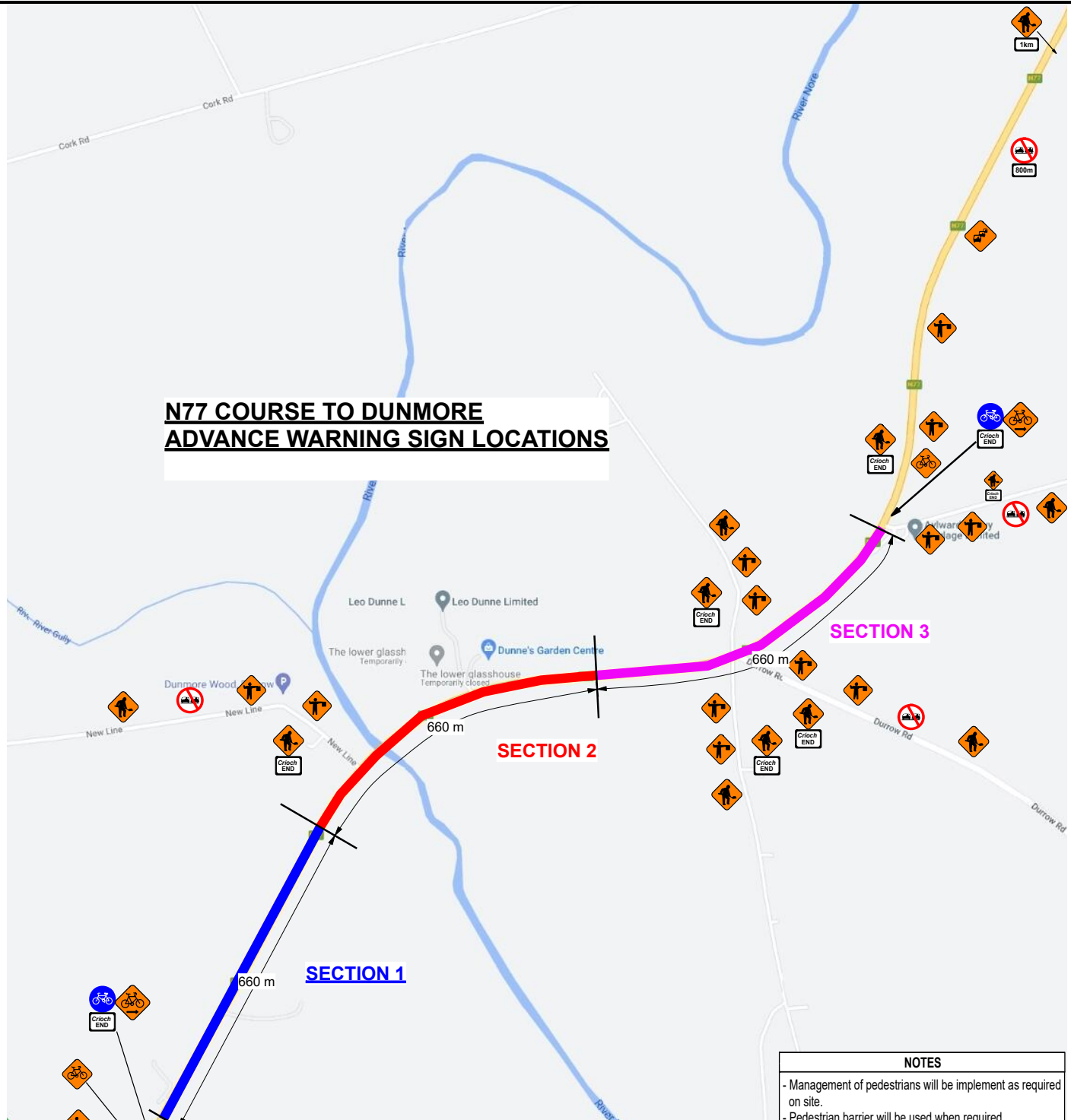


## N77 COURSE TO DUNMORE ADVANCE WARNING SIGN LOCATIONS






**Table 8.2.2.7**  
Minimum Design Parameters for Level 2(I) Roads  
(Single Carriageway of 100km/h)

Design Parameter	Type A >12 hours	Type B <12 hours	Type C <15 mins
<b>Advance Warning Signage</b>			
Sign Size (mm)	750	750	-
Sign visibility (m)	120	120	120
Number of Signs	4	3	-
Cumulative Distance (m)	800	600	-
Distance between Advance Warning Signs (m)	200	200	-
<b>Taper</b>			
Lane Taper Rate <sup>A</sup>	1 in 60	1 in 60	-
Hard Shoulder Taper Rate <sup>A</sup>	1 in 30	1 in 30	-
<b>Cones</b>			
Cone height (mm)	1,000	1,000	-
Taper Spacing (m) <sup>B</sup>	3	3	-
Longitudinal Spacing (m) <sup>B</sup>	12	12	-
<b>Lamps (unit areas only)</b>			
Taper Spacing (m)	6	6	-
Longitudinal Spacing (m)	24	24	-
<b>Safety Zones</b>			
Longitudinal (m)	60	60	-
Lateral (m)	1.2	1.2	-
<b>Lanes</b>			
Lane Width (m) <sup>C</sup>	3	3	-


**Table 8.2.2.6**  
Minimum Design Parameters for Level 2(I) Roads  
(Single Carriageway of 80km/h)

Design Parameter	Type A >12 hours	Type B <12 hours	Type C <15 mins
<b>Advance Warning Signage</b>			
Sign Size (mm)	600	600	-
Sign visibility (m)	90	90	90
Number of Signs	4	3	-
Cumulative Distance (m)	480	360	-
Distance between Advance Warning Signs (m)	120	120	-
<b>Taper</b>			
Lane Taper Rate <sup>A</sup>	1 in 40	1 in 40	-
Hard Shoulder Taper Rate <sup>A</sup>	-	-	-
<b>Cones</b>			
Cone height (mm)	750	750	-
Taper Spacing (m) <sup>B</sup>	3	3	-
Longitudinal Spacing (m) <sup>B</sup>	12	12	-
<b>Lamps (unit areas only)</b>			
Taper Spacing (m)	6	6	-
Longitudinal Spacing (m)	24	24	-
<b>Safety Zones</b>			
Longitudinal (m)	45	45	-
Lateral (m)	1.2	1.2	-
<b>Lanes</b>			
Lane Width (m) <sup>C</sup>	3	3	-

**NOTES**

- Management of pedestrians will be implemented as required on site.
- Pedestrian barrier will be used when required.
- Permanent traffic lights must not conflict with TTM and must be turned off by client.
- Tower Lights to be provided by the Main Contractor.
- Safe passage through the site for emergency services will be facilitated.
- Keep safety zones free from works, plant, materials and operatives.
- Where surfacing takes place the following may be used:  
 \*Ramps ahead   
 \*Slippery road surface   
 - Identify overhead electrical cables 

Client



Project  
**N77 Course to Dunmore Road**

Comments  
**Advance Warning Sign Location Sections 1-3**

DWG No <b>23_141-01_01_RS</b>	Drawn by <b>Ger Moran</b>	Rev <b>00</b>
Scale	Designer <b>Irene Walsh</b>	Date <b>18/10/23</b>