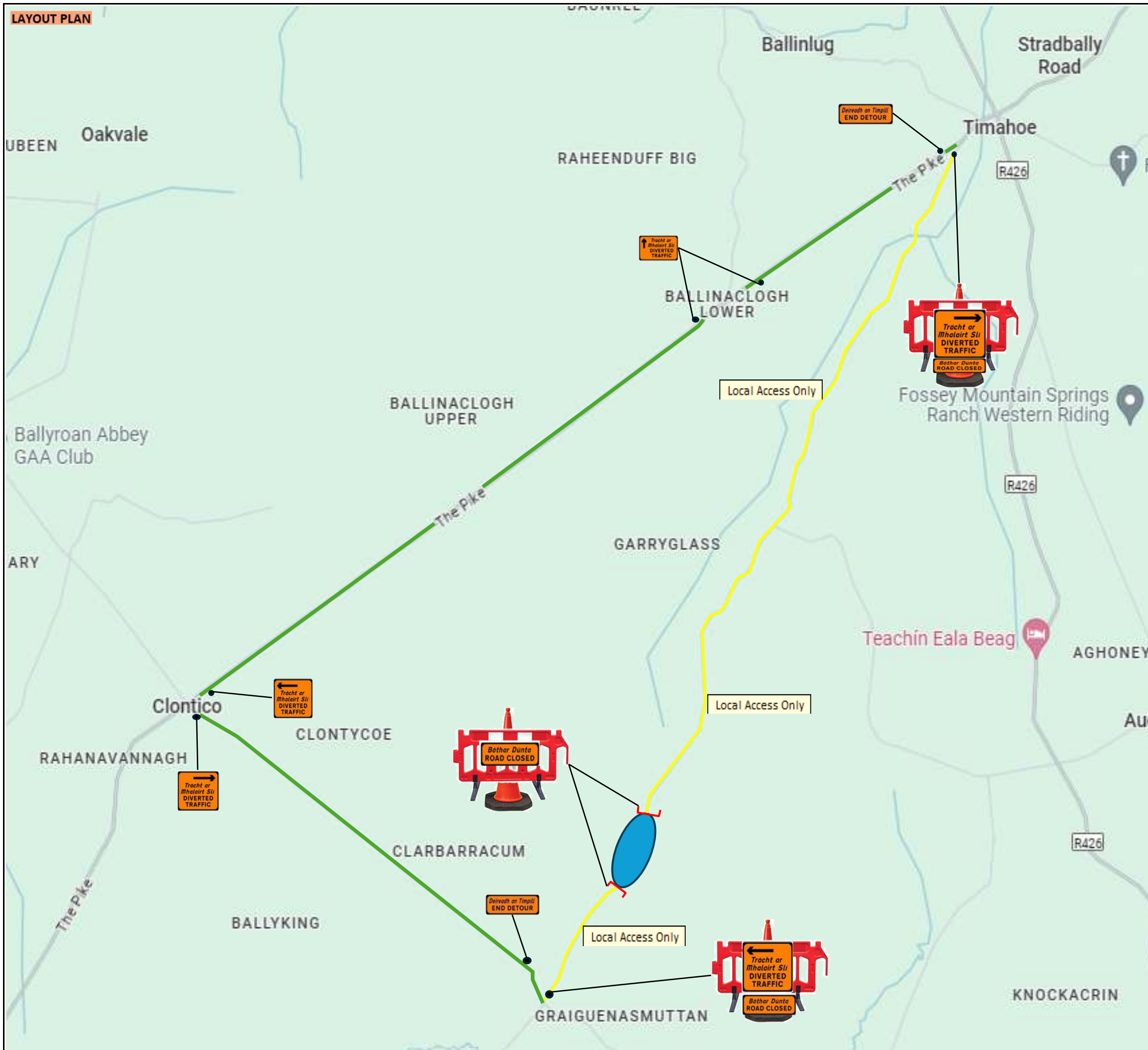


**LAYOUT PLAN**



**DESIGN PARAMETERS**

Road Classification	Level 2 (ii)
Design Parameter	Type A > 12 hours
<b>Advance Warning Signage</b>	
Sign Size (mm)	600
Sign Visibility (m)	90
Number of Signs	4
Cumulative Distance (m)	480
Distance between Advance Warning Signs (m)	120
<b>Taper</b>	
Lane Taper Rate <sup>A</sup>	1 in 40
Hard Shoulder Taper Rate <sup>A</sup>	
<b>Cones</b>	
Cone Height (mm)	750
Taper Spacing (m) <sup>B</sup>	3
Longitudinal Spacing (m) <sup>B</sup>	12
<b>Lamps (unlit areas only)</b>	
Taper Spacing (m)	6
Longitudinal Spacing (m)	24
<b>Safety Zones</b>	
Longitudinal (m)	45
Lateral (m)	1.2
<b>Lanes</b>	
Lane Width (m) <sup>C</sup>	3

**Other Design Considerations**

Type of System	Diversion
Works Length	N/A
Traffic Volume (AADT)	< 1000
Type of Roadworks	Static Type A

*Notes:*

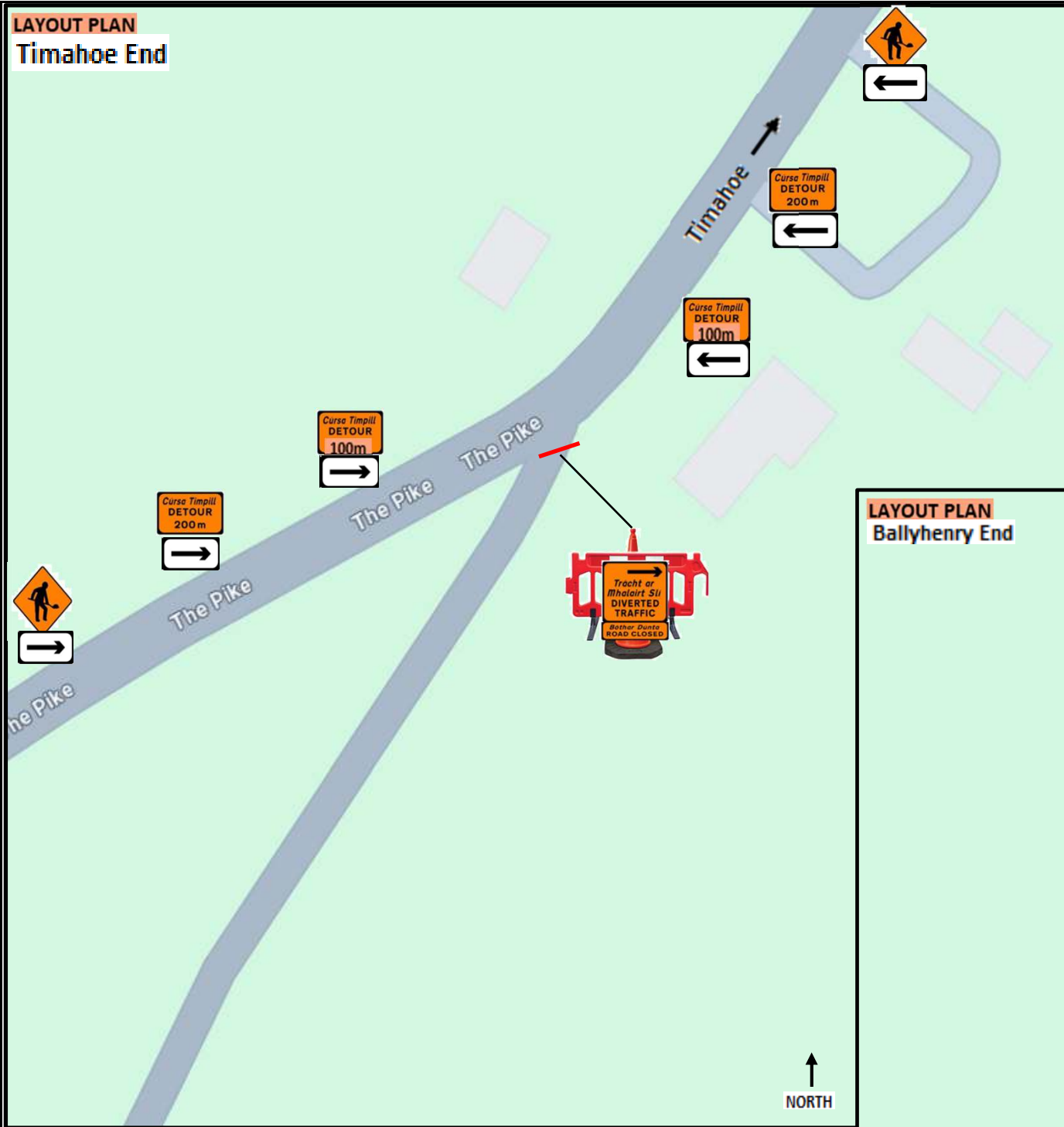
*Legend:*

- Lateral Safety Zone
- Longitudinal Safety Zone
- Works Area

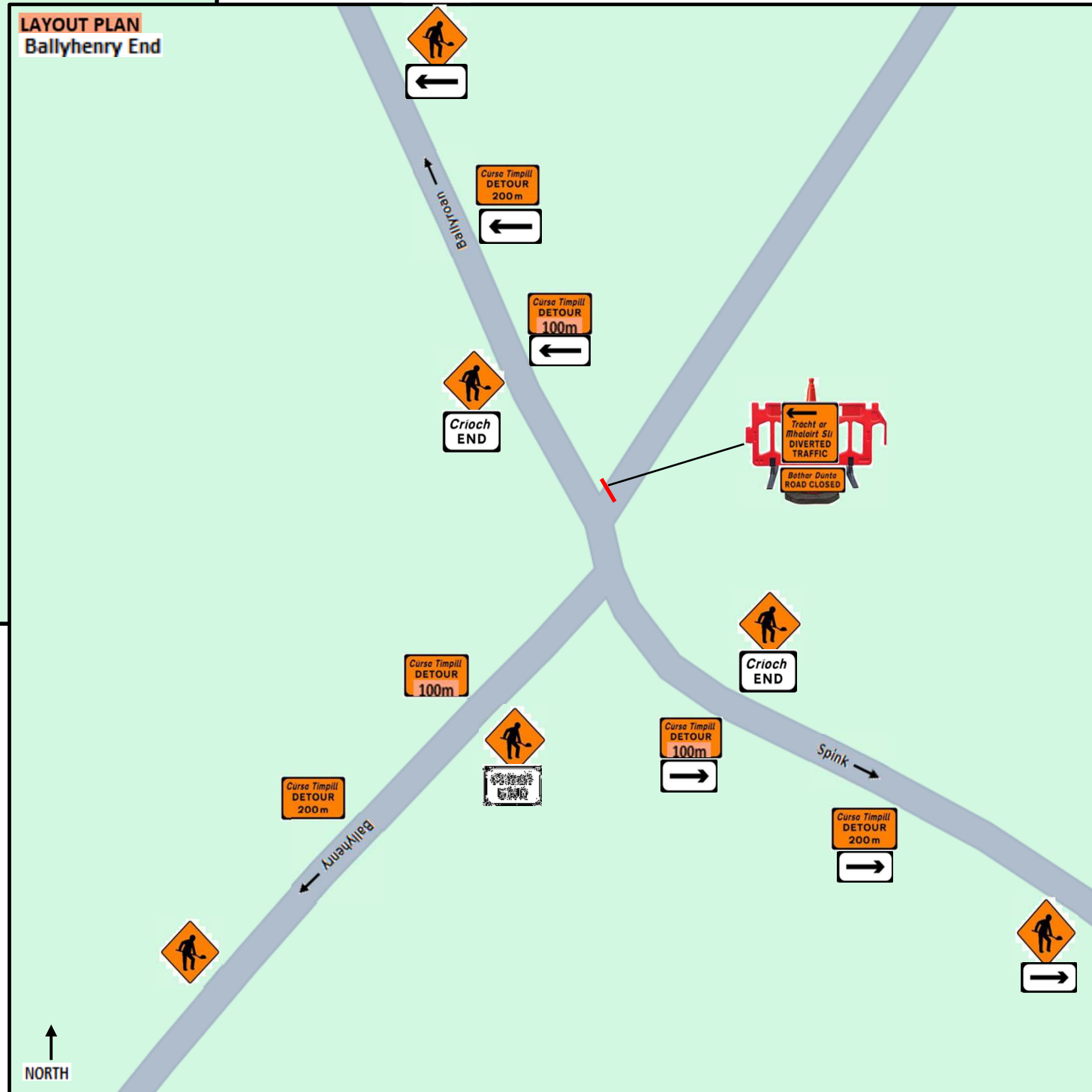
**Dunne Brothers Ltd**  
"50 years in Plant Hire & Civil Engineering"

Drawing Title:	Drainage Works Graiguenasmuttan (Diversion)
Project:	Portlaoise MD Roads 2023
Client:	Loais Co Co
Drawing Nr:	037 (Page 1 of 2) Rev -
Date:	09/05/2024

**LAYOUT PLAN**  
Timahoe End



**LAYOUT PLAN**  
Ballyhenry End



**DESIGN PARAMETERS**

Road Classification	Level 2 (ii)
Design Parameter	Type A > 12 hours
<b>Advance Warning Signage</b>	
Sign Size (mm)	600
Sign Visibility (m)	90
Number of Signs	4
Cumulative Distance (m)	480
Distance between Advance Warning Signs (m)	120
<b>Taper</b>	
Lane Taper Rate <sup>A</sup>	1 in 40
Hard Shoulder Taper Rate <sup>A</sup>	
<b>Cones</b>	
Cone Height (mm)	750
Taper Spacing (m) <sup>B</sup>	3
Longitudinal Spacing (m) <sup>B</sup>	12
<b>Lamps (unlit areas only)</b>	
Taper Spacing (m)	6
Longitudinal Spacing (m)	24
<b>Safety Zones</b>	
Longitudinal (m)	45
Lateral (m)	1.2
<b>Lanes</b>	
Lane Width (m) <sup>C</sup>	3
<b>Other Design Considerations</b>	
Type of System	Diversion
Works Length	N/A
Traffic Volumn (AADT)	< 1000
Type of Roadworks	Static Type A

*Notes:*

*Legned:*

- Lateral Safety Zone
- Longitudinal Safety Zone
- Works Area

**Dunne Brothers Ltd**  
"50 years in Plant Hire & Civil Engineering"

Drawing Title:	Drainage Works Graigenasmuttan (Diversion)
Project:	Portlaoise MD Roads 2023
Client:	Loais Co Co
Drawing Nr:	037 (Page 2 of 2) Rev -
Date:	09/05/2024