



## Comhairle Chontae Chill Chainnigh

Halla an Chontae Sraid Eoin Cill Chainnigh  
R95 A39T

Pobail agus Áiteanna Inbhuanaithe a Chruthú

## Kilkenny County Council

County Hall John Street Kilkenny  
R95 A39T



Creating Sustainable Communities and Places

**To: Cathaoirleach and Each Member of Kilkenny County Council**

**Re: Winter Maintenance Plan 2024/2025**

**Date: 14<sup>th</sup> October 2024**

A Chara

The Winter Maintenance Season for 2024/2025 will extend from the 14<sup>th</sup> October 2024 to 25<sup>th</sup> April 2024. Daily monitoring of the road network conditions will be undertaken in this period and winter maintenance resources will be deployed in accordance with the provisions of the Winter Maintenance Plan 2024/2025.

Members are advised that the service delivery target for the Priority 1 and 2 network is to keep these roads frost/ice free 24hrs a day, 7 days a week. This service is provided from the Council's Machinery Yard through the deployment of salt spreaders under the direction of the Duty Engineer.

**Notwithstanding the provision by Kilkenny County Council of winter maintenance services, it is the duty of individual road users to ensure that they drive in accordance with prevailing conditions and no assumptions should be made that frost or icy conditions do not prevail on certain areas of the road network.**

The total length of the road network to be treated (Priority 1 and 2) is 427km. The routes are selected based on their strategic importance, volumes of traffic and in consideration of the logistics involved in designing the overall routes. Four vehicles will be deployed to deliver the service and, with a capacity of between 12 and 13 tonnes of salt per vehicle. Additional capacity is not achievable without significant capital investment.

A full copy of the Winter Services Plan 2024/2025 will be displayed on the Council's website.

MD Engineers will also present Elected Members, at individual Municipal District Committee Meetings, with the details of the proposed Priority 3 Routes for 2024/2025. These are the routes that do not receive treatment to the standard pertaining to Priority 1 and 2 but which are treated periodically during periods of particularly severe weather.

Elected members attention is also drawn to the provisions of the Severe Weather Plan which provides for the pooling of resources in the event that particularly severe weather events occur. This includes liaison with the IFA, local schools and other emergency service providers.

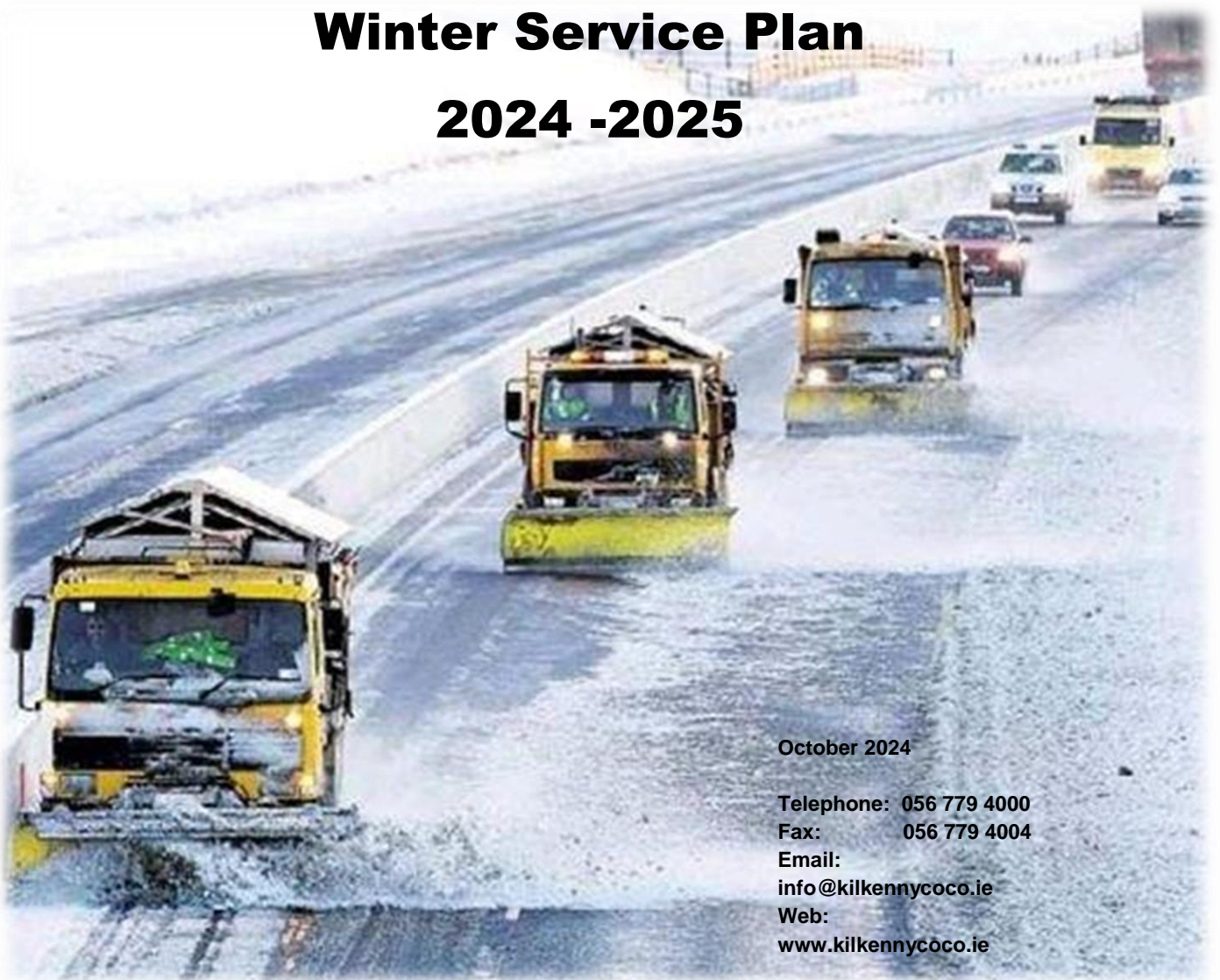
In conclusion I recommend approval of the Winter Services Plan 2024/2025 in line with the details set out in this memo to Elected Members.

**Mary Mullholland**  
**Director of Services**

# Kilkenny County Council



## Winter Service Plan 2024 -2025



October 2024

Telephone: 056 779 4000

Fax: 056 779 4004

Email:

[info@kilkennycoco.ie](mailto:info@kilkennycoco.ie)

Web:

[www.kilkennycoco.ie](http://www.kilkennycoco.ie)

**Table of Contents**

Table of Contents ..... 1

1. Document Control ..... 2

2. Purpose and Scope ..... 2

3. Winter Maintenance Policy ..... 2

4. Decision Matrix ..... 4

5. Winter Maintenance Route Mapping Schedule ..... 6

6. Duty Rosters ..... 7

7. Treatment Matrix ..... 9

8. Plant, Vehicles and Equipment ..... 9

9. Winter Service Plan Distribution List ..... 12

Appendix 1 - Priority 1 & Priority 2 Treatment Routes ..... 13

Appendix 2 - Priority 3 Treatment Routes ..... 14

Appendix 3 - Section 85 - Treatment Routes Maps ..... 15

## 1. Document Control

| Role                                    | Name            | Signature | Date |
|---|-----------------|-----------|------|
| Prepared By:                            | Francis Brophy  |           |      |
| Checked By:                             | Seamus Kavanagh |           |      |
| Winter Services Manager                 | Mary Mulholland |           |      |
| Director of Services for Transportation | Mary Mulholland |           |      |

## 2. Purpose and Scope

The purpose and scope of this document is to identify the processes, procedures and key personnel employed by Kilkenny County Council in the delivery of winter maintenance services throughout County Kilkenny.

## 3. Winter Maintenance Policy

**Motorists have a general duty of care to consider prevailing weather and road conditions when planning and/or undertaking journeys across the public road network.**

Due to the length of the road network in County Kilkenny, it is not feasible to treat all roads in the County during the Winter Season (**October 14<sup>th</sup> 2024 to April 25<sup>th</sup>, 2025**). Accordingly, a form of prioritisation is necessary, and routes are divided into the following three priority designations:

Kilkenny County Council will seek to ensure, as far as reasonably practicable, the prevention of ice formation and of snow accumulation on **Priority 1 Routes (Red Routes)**.

Kilkenny County Council will seek to ensure, as far as reasonably practicable, the prevention of ice formation and of snow accumulation on **Priority 2 Routes (Blue Routes)**.

In extreme weather events and/or in circumstances requiring resource prioritisation, Priority 1 Routes will take precedence over Priority 2 Routes in terms of the allocation of available resources.



Kilkenny County Council will provide periodic winter maintenance services on **Priority 3 Routes (Green Routes)**. Such services will only be provided on selected occasions associated with the anticipation of particularly severe weather conditions. Road-users must not assume that pre-salting services have been provided to the Priority 3 Network.

Mobilisation and Treatment times are detailed in Table 4.1 below. In the case of Priority 1 and 2 Routes, notification of the intention to commence pre-salting services is required a minimum of five to six hours in advance of the predicted time of ice formation.

**Table 4.1**

| <b>Treatment Route</b>   | <b>Priority 1</b> | <b>Priority 2</b> | <b>Priority 3</b> |
|--------------------------|-------------------|-------------------|-------------------|
| <b>Mobilisation Time</b> | 1hr               | 1hr               | When possible     |
| <b>Treatment Time</b>    | 2.5hr             | 3.5hr             | When possible     |

## 4. Decision Matrix

The Duty Engineer will inspect the forecast system daily from approximately 2pm or as soon thereafter as the Met Eireann forecast has been received. The decision matrix in Table 4.1 consists of the following;

**Table 4.1 Decision Matrix**

| Road Surface Temperature  | Precipitation  | Predicted Road Conditions   |                                   |   |
|---|--|---|-----------------------------------|---|
|   |  | Wet   | Wet Patches                       | Dry   |
| May fall below 1°C  | No rain<br>No hoar frost<br>No fog                   | Salt before frost   | Salt before frost<br>(see note a) | No action likely, monitor weather<br>(see note a) |
| Expected to fall below 1°C  | No rain<br>No hoar frost<br>No fog                   |   | Salt before frost (see note b)    |   |
|   | Expected hoar frost<br>Expected fog                  |   |                                   |   |
|   | Expected rain before freezing                        | Salt after rain stops (see note c)                                |                                   |   |
|   | Expected rain during freezing                        | Salt before frost and, as required, after rain stops (see note d) |                                   |   |
|   | Possible rain<br>Possible hoar frost<br>Possible fog | Salt before frost   | Monitor weather conditions        |   |
| Expected Snow   |  | Salt before snow fall   |                                   |   |
| The decision to undertake precautionary treatments should be, if appropriate, adjusted to take account of residual salt or surface moisture.<br>All decisions should be evidence based, recorded and require careful monitoring and review. |  |   |                                   |   |

**Notes:**

- a) Particular attention should be given to the possibility of water running across carriageways and other running surfaces e.g. surface water off adjacent fields after heavy rains, washing off salt previously deposited. Such locations should be closely monitored. Ideally the source of the run-off should be diverted from the roadway.
- b) When a weather warning contains reference to expected hoar frost, considerable deposits of frost can occur. Hoar frost usually occurs in the early morning and is difficult to cater for because of the probability that any salt deposited on a dry road too soon before its onset, may be dispersed before it can become effective. Careful monitoring is required under this forecast condition which should ideally be treated just as the hoar frost is forming. Such action is usually not practicable and salt may have to be deposited on a dry road prior to but as close as possible to the expected time of the condition. Hoar frost may also be forecast at other times of the day, in which case the timing of salting operations should be adjusted accordingly.
- c) If under these conditions, rain has not ceased by early morning, crews should be called out and action initiated as rain ceases.
- d) Under these circumstances rain will freeze on contact with running surfaces and full precautionary treatment should be provided even on dry roads. This is a most serious condition and should be monitored closely and carefully throughout the danger period.

## 5. Winter Maintenance Route Mapping Schedule

The following list in Table 5.1 sets out the drawings which indicate the Priority 1, 2 and 3 Routes for Winter Maintenance and also indicate the Section 85 arrangements between Kilkenny County Council and Tipperary County Council whereby, in the interests of efficiency services are provided by one local authority on behalf of another. The mapping for Priority 1, 2 and 3 Routes is contained in the Appendices.

**Table 5.1 Winter Maintenance Route Mapping Schedule**

| <b>Drawing. No.</b> | <b>Drawing Name</b>                         | <b>Date</b> |
|---------------------|---|-------------|
| KCC-WM-01           | Priority 1 & 2 Routes                       | Oct. 2015   |
| KCC-WMP1&2-01       | Route A – N77, N78, R639 & R693             | Oct. 2017   |
| KCC-WMP1&2-02       | Route B – N76, N24 & R448                   | Oct. 2015   |
| KCC-WMP1&2-03       | Route C – R700, N25 & R704                  | Oct. 2015   |
| KCC-WMP1&2-04       | Route D – N10, R713, R448, R712 & Ring Road | Oct. 2015   |
| KCC-WM-05           | Section 85 Kilkenny/Tipperary               | Oct.2013    |
| KCC-WM-08           | Section 85 Tipperary/Kilkenny               | Oct. 2013   |
| KCC-WMP3-01         | Priority 3 Route Kilkenny Area              | Sept. 2011  |
| KCC-WMP3-02         | Priority 3 Route Castlecomer Area           | Nov. 2010   |
| KCC-WMP3-04         | Priority 3 Route Newrath Area               | Nov. 2010   |

## 6. Duty Rosters

The duty rosters for Kilkenny Local Authority staff assigned to the winter service plan are contained in Tables 6.1 and 6.2 below.

**Table 6.1 Duty Engineers Roster**

| <b>Duty Engineer</b> | <b>Duty Period Start</b> | <b>Duty Period Finish</b> |
|----------------------|--------------------------|---------------------------|
| Declan Murphy        | 14/10/2024               | 20/10/2024                |
| Paraic Butler        | 21/10/2024               | 27/10/2024                |
| Seamus Kavanagh      | 28/10/2024               | 03/11/2024                |
| John Tennyson        | 04/11/2024               | 10/11/2024                |
| Declan Murphy        | 11/11/2024               | 17/11/2024                |
| Paraic Butler        | 18/11/2024               | 24/11/2024                |
| Seamus Kavanagh      | 25/11/2024               | 01/12/2024                |
| John Tennyson        | 02/12/2024               | 8/12/2024                 |
| Declan Murphy        | 09/12/2024               | 15/12/2024                |
| Paraic Butler        | 16/12/2024               | 22/12/2024                |
| Seamus Kavanagh      | 23/12/2024               | 29/12/2024                |
| John Tennyson        | 30/12/2024               | 05/01/2025                |
| Declan Murphy        | 06/01/2025               | 12/01/2025                |
| Paraic Butler        | 13/01/2025               | 19/01/2025                |
| Seamus Kavanagh      | 20/01/2025               | 26/01/2025                |
| John Tennyson        | 27/01/2025               | 02/02/2025                |
| Declan Murphy        | 03/02/2025               | 09/02/2025                |
| Paraic Butler        | 10/02/2025               | 16/02/2025                |
| Seamus Kavanagh      | 17/02/2025               | 23/02/2025                |
| John Tennyson        | 24/02/2025               | 02/03/2025                |
| Declan Murphy        | 03/03/2025               | 09/03/2025                |
| Paraic Butler        | 10/03/2025               | 16/03/2025                |
| Seamus Kavanagh      | 17/03/2025               | 23/03/2025                |
| John Tennyson        | 24/03/2025               | 30/03/2025                |
| Declan Murphy        | 31/03/2025               | 06/04/2025                |
| Paraic Butler        | 07/04/2025               | 13/04/2025                |
| Seamus Kavanagh      | 14/04/2025               | 20/04/2025                |
| John Tennyson        | 21/04/2025               | 27/04/2025                |
| Declan Murphy        | 28/04/2025               | 30/04/2025                |



**Table 6.2 Drivers and Fitters Roster**

| <b>Drivers</b>  | <b>Fitters</b>                 | <b>Duty Period Start</b> | <b>Duty Period Finish</b> |
|---|--------------------------------|--------------------------|---------------------------|
| David Dooley, Martin Morrissey, Pat Sweeney, Eamonn Whearty | Michael Lonergan/Declan Lawlor | 14/10/2024               | 20/10/2024                |
| Matty Foley, Colm Killian, Eamonn Coogan, Maurice Lawlor    | Andy Cleere/James Fenlon       | 21/10/2024               | 27/10/2024                |
| David Dooley, Martin Morrissey, Pat Sweeney, Eamonn Whearty | Paul Hogan/Pat Kavanagh        | 28/10/2024               | 03/11/2024                |
| Matty Foley, Colm Killian, Eamonn Coogan, Maurice Lawlor    | Michael Lonergan/Declan Lawlor | 04/11/2024               | 10/11/2024                |
| David Dooley, Martin Morrissey, Pat Sweeney, Eamonn Whearty | Andy Cleere/James Fenlon       | 11/11/2024               | 17/11/2024                |
| Matty Foley, Colm Killian, Eamonn Coogan, Maurice Lawlor    | Paul Hogan/Pat Kavanagh        | 18/11/2024               | 24/11/2024                |
| David Dooley, Martin Morrissey, Pat Sweeney, Eamonn Whearty | Michael Lonergan/Declan Lawlor | 25/11/2024               | 01/12/2024                |
| Matty Foley, Colm Killian, Eamonn Coogan, Maurice Lawlor    | Andy Cleere/James Fenlon       | 02/12/2024               | 8/12/2024                 |
| David Dooley, Martin Morrissey, Pat Sweeney, Eamonn Whearty | Paul Hogan/Pat Kavanagh        | 09/12/2024               | 15/12/2024                |
| Matty Foley, Colm Killian, Eamonn Coogan, Maurice Lawlor    | Michael Lonergan/Declan Lawlor | 16/12/2024               | 22/12/2024                |
| David Dooley, Martin Morrissey, Pat Sweeney, Eamonn Whearty | Andy Cleere/James Fenlon       | 23/12/2024               | 29/12/2024                |
| Matty Foley, Colm Killian, Eamonn Coogan, Maurice Lawlor    | Paul Hogan/Pat Kavanagh        | 30/12/2024               | 05/01/2025                |
| David Dooley, Martin Morrissey, Pat Sweeney, Eamonn Whearty | Michael Lonergan/Declan Lawlor | 06/01/2025               | 12/01/2025                |
| Matty Foley, Colm Killian, Eamonn Coogan, Maurice Lawlor    | Andy Cleere/James Fenlon       | 13/01/2025               | 19/01/2025                |
| David Dooley, Martin Morrissey, Pat Sweeney, Eamonn Whearty | Paul Hogan/Pat Kavanagh        | 20/01/2025               | 26/01/2025                |
| Matty Foley, Colm Killian, Eamonn Coogan, Maurice Lawlor    | Michael Lonergan/Declan Lawlor | 27/01/2025               | 02/02/2025                |
| David Dooley, Martin Morrissey, Pat Sweeney, Eamonn Whearty | Andy Cleere/James Fenlon       | 03/02/2025               | 09/02/2025                |
| Matty Foley, Colm Killian, Eamonn Coogan, Maurice Lawlor    | Paul Hogan/Pat Kavanagh        | 10/02/2025               | 16/02/2025                |
| David Dooley, Martin Morrissey, Pat Sweeney, Eamonn Whearty | Michael Lonergan/Declan Lawlor | 17/02/2025               | 23/02/2025                |
| Matty Foley, Colm Killian, Eamonn Coogan, Maurice Lawlor    | Andy Cleere/James Fenlon       | 24/02/2025               | 02/03/2025                |
| David Dooley, Martin Morrissey, Pat Sweeney, Eamonn Whearty | Paul Hogan/Pat Kavanagh        | 03/03/2025               | 09/03/2025                |
| Matty Foley, Colm Killian, Eamonn Coogan, Maurice Lawlor    | Michael Lonergan/Declan Lawlor | 10/03/2024               | 16/03/2025                |
| David Dooley, Martin Morrissey, Pat Sweeney, Eamonn Whearty | Andy Cleere/James Fenlon       | 17/03/2025               | 23/03/2025                |
| Matty Foley, Colm Killian, Eamonn Coogan, Maurice Lawlor    | Paul Hogan/Pat Kavanagh        | 24/03/2025               | 30/03/2025                |
| David Dooley, Martin Morrissey, Pat Sweeney, Eamonn Whearty | Michael Lonergan/Declan Lawlor | 31/03/2025               | 06/04/2025                |
| Matty Foley, Colm Killian, Eamonn Coogan, Maurice Lawlor    | Andy Cleere/James Fenlon       | 07/04/2025               | 13/04/2025                |
| David Dooley, Martin Morrissey, Pat Sweeney, Eamonn Whearty | Paul Hogan/Pat Kavanagh        | 14/04/2025               | 20/04/2025                |
| Matty Foley, Colm Killian, Eamonn Coogan, Maurice Lawlor    | Michael Lonergan/Declan Lawlor | 21/04/2025               | 27/04/2025                |

## **7. Treatment Matrix**

The following information outlines the application rates for pre-salting:

- Pre-salting is provided at a rate of 10g/m<sup>2</sup>
- At selected sections of pre-salting routes or on particularly severe events, application rates may be increased to reflect localised conditions.
- Routes have been designed to allow a treatment at 15g/m<sup>2</sup> when conditions dictate (For example during nights with prolonged cold periods or excess residual water).
- For the Winter Season 2024-2025, Kilkenny County Council will utilise a brine plant, based in the Machinery yard at Hebron Industrial Estate, Hebron Road, Kilkenny. This involves pre-wetting the salt as it is applied to roads with a brine solution to improve the effectiveness of winter maintenance operation.

## **8. Plant, Vehicles and Equipment**

Kilkenny County Council operates 4 No. permanent pre-wet spreaders. Also, Kilkenny County Council has 3 No. demountable salt spreaders which are permanently mounted on trucks to provide extra cover in the event of a breakdown or extreme conditions. In addition to the above plant, Kilkenny County Council maintains 1 No. salt spreaders in the Machinery Yard which can be mobilised in extreme conditions when required.

Kilkenny County Council has 8 No. snow ploughs available for deployment in the event of snow conditions. 6 No. of these snow ploughs are truck mounted and the other 2 No. have been adapted to fit on other vehicles when required.

Kilkenny County Council also operates 7 No. demountable salt spreaders and 3 No. towed salt spreaders.

The list of plant and service records are itemised in Tables 9.1 and 9.2 below:

**Table 9.1 Salt Spreaders – Service Record**

| Description              | Depot Location    | Capacity                | Date Calibrated | Date Serviced | Date of Next Calibration | Date of next Service |
|--------------------------|-------------------|-------------------------|-----------------|---------------|--------------------------|----------------------|
| SG10 – Permanent Pre-Wet | Machinery Yard    | 9m <sup>3</sup> Pre-Wet | Nov '23         | Nov '23       | Nov '24                  | Nov '24              |
| SG9 – Permanent Pre-Wet  | Machinery Yard    | 9m <sup>3</sup> Pre Wet | Nov '23         | Nov '23       | Nov '24                  | Nov '24              |
| SG8 – Demountable        | Machinery Yard    | 9m <sup>3</sup>         | Oct '23         | Oct '23       | Oct '24                  | Oct '24              |
| SG12 – Permanent Pre-Wet | Machinery Yard    | 10.5m <sup>3</sup>      | Oct '23         | Oct '23       | Oct '24                  | Oct '24              |
| SG6 – Demountable        | Machinery Yard    | 9m <sup>3</sup>         | Oct '23         | Oct '23       | Oct '24                  | Oct '24              |
| SG11 – Permanent Pre-Wet | Machinery Yard    | 10.5m <sup>3</sup>      | Oct '23         | Oct '23       | Oct '24                  | Oct '24              |
| SG4 – Demountable        | Machinery Yard    | 7m <sup>3</sup>         |                 |               |                          |                      |
| SG3 – Demountable        | Machinery Yard    | 6m <sup>3</sup>         |                 |               |                          |                      |
| CLN1 - Demountable       | Thomastown Depot  | 3m <sup>3</sup>         |                 |               |                          |                      |
| CLN2 - Demountable       | Callan Depot      | 1.5m <sup>3</sup>       |                 |               |                          |                      |
| CLN3 – Demountable       | Kilmaganny Depot  | 1.5m <sup>3</sup>       |                 |               |                          |                      |
| CLN4 – Towable           | Kilkenny Depot    | 3m <sup>3</sup>         |                 |               |                          |                      |
| CC1 – Towable            | Johnstown Depot   | 4.5m <sup>3</sup>       |                 |               |                          |                      |
| CC2 – Towable            | Castlecomer Depot | 4.5m <sup>3</sup>       |                 |               |                          |                      |
| CC3 – Towable            | Ballyragget Depot | 4.5m <sup>3</sup>       |                 |               |                          |                      |
| N1 - Demountable         | Newrath Depot     | 2m <sup>3</sup>         |                 |               |                          |                      |
| KK1 - Demountable        | Machinery Yard    | 3m <sup>3</sup>         |                 |               |                          |                      |

|                      |                        |                   |  |  |  |  |
|----------------------|------------------------|-------------------|--|--|--|--|
| TT1 -<br>Demountable | Graignamanagh<br>Depot | 3.8m <sup>3</sup> |  |  |  |  |
| TT2 -<br>Demountable | Gowran Depot           | 2.6m <sup>3</sup> |  |  |  |  |
| TT3 –<br>Towable     | Thomastown<br>Depot    | 4.5m <sup>3</sup> |  |  |  |  |

**Table 9.2 Snow Ploughs & Loading Shovels**

| <b>Snowploughs &amp;<br/>Loading<br/>Shovels</b> | <b>Depot Location</b>           | <b>Fitted to</b> | <b>Date Serviced</b> | <b>Date of Next<br/>Service</b> |
|--|---------------------------------|------------------|----------------------|---------------------------------|
| 119T – Loading<br>Shovel                         | Machinery Yard                  |                  | Regular<br>Servicing |                                 |
| 101T – Manitou<br>Teleporter                     | Machinery Yard                  |                  | Regular<br>Servicing |                                 |
| 134T – Manitou<br>Teleporter                     | Dunmore Civic<br>Amenity Centre |                  | Regular<br>Servicing |                                 |
| 77T – Manitou<br>Teleporter                      | Machinery Yard                  |                  | Regular<br>Servicing |                                 |
| Snowplough -<br>SP - MY1                         | Machinery Yard                  |                  |                      |                                 |
| SP - MY2   | Machinery Yard                  |                  |                      |                                 |
| SP - MY3   | Machinery Yard                  |                  |                      |                                 |
| SP - MY4   | Machinery Yard                  |                  |                      |                                 |
| SP - MY5   | Machinery Yard                  |                  |                      |                                 |
| SP - MY6   | Machinery Yard                  |                  |                      |                                 |
| SP – MY7   | Machinery Yard                  |                  |                      |                                 |

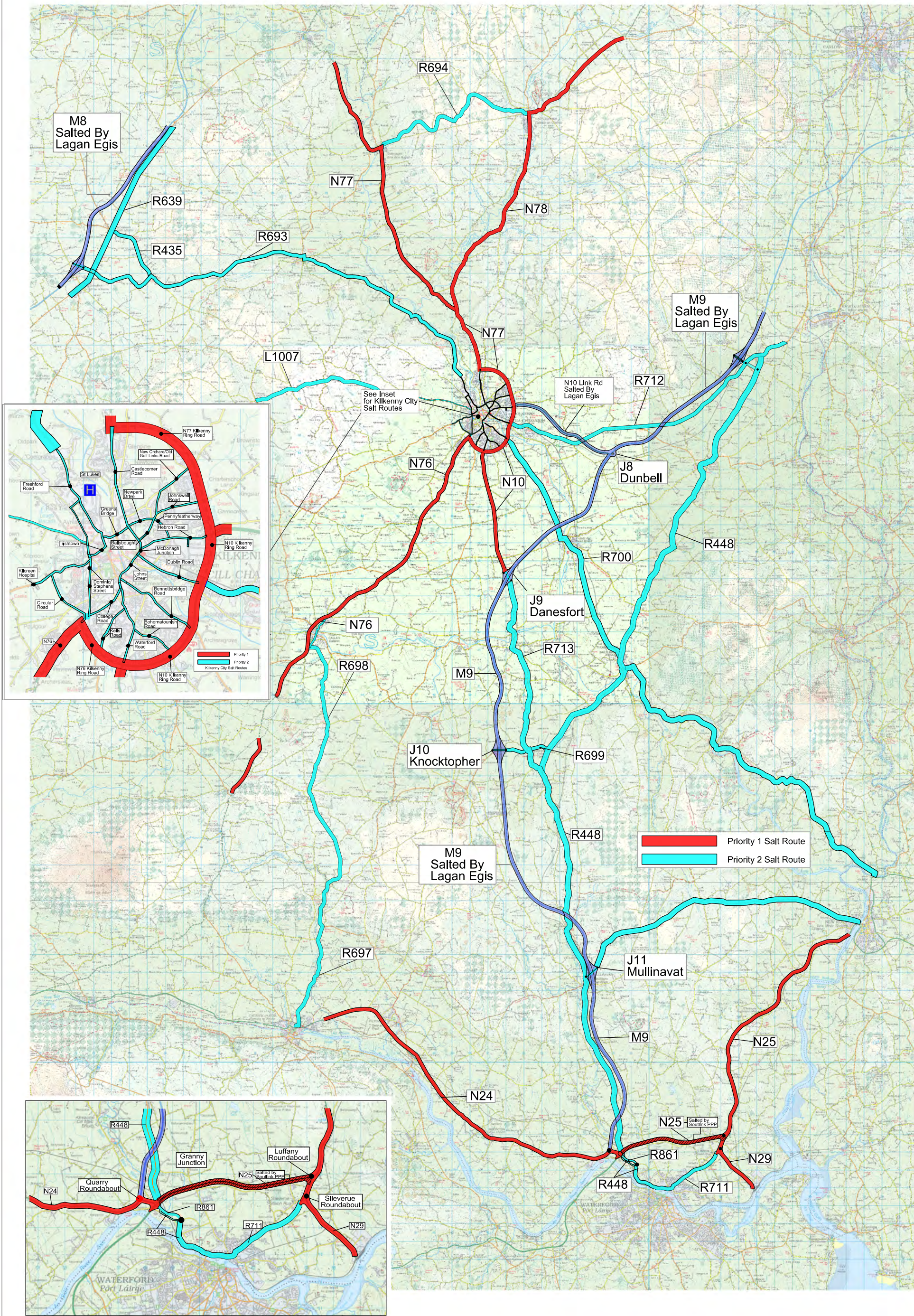
## 9. Winter Service Plan Distribution List

| Issued to                      | Position  | Organisation                     | Location                  |
|--------------------------------|---|----------------------------------|---------------------------|
| Lar Power                      | Chief Executive                                     | Kilkenny County Council          | County Hall, Kilkenny     |
| Mary Mulholland                | Director of Services                                | Kilkenny County Council          | County Hall, Kilkenny     |
| Seamus Kavanagh                | Senior Engineer<br>Roads                            | Kilkenny County Council          | County Hall, Kilkenny     |
| Stan Cullen                    | Senior Engineer<br>Kilkenny Municipal Area          | Kilkenny County Council          | City Hall                 |
| Alan Hyland                    | Executive Engineer<br>Kilkenny Municipal Urban Area | Kilkenny County Council          | City Hall                 |
| Eamon Mahon                    | Area Engineer<br>Kilkenny Municipal Rural Area      | Kilkenny County Council          | County Hall, Kilkenny     |
| John Tennyson                  | Area Engineer<br>Newrath Municipal Area             | Kilkenny County Council          | Piltown Area Office       |
| Paraic Butler                  | Area Engineer<br>Castlecomer Municipal Area         | Kilkenny County Council          | Castlecomer Area Office   |
| Declan Murphy                  | Area Engineer<br>Thomastown/Callan Municipal Areas  | Kilkenny County Council          | Thomastown Area Office    |
| Francis Brophy                 | Machinery Yard Engineer                             | Kilkenny County Council          | Machinery Yard            |
| Art Hennessy                   | Technical Services Supervisor                       | Kilkenny County Council          | Machinery Yard            |
| Sinead Fanning                 | Health & Safety Officer                             | Kilkenny County Council          | County Hall, Kilkenny     |
| Orla Barrett                   | Senior Engineer                                     | Carlow County Council            |                           |
| James Dowling                  | Senior Exec Engineer                                | Laois County Council             |                           |
| James Murray                   | Senior Engineer                                     | Tipperary County Council         |                           |
| Sinead Casey                   | Senior Engineer                                     | Wexford County Council           |                           |
| Gabriel Hynes                  | Senior Engineer                                     | Waterford Council                |                           |
| Stephen Smyth                  | Winter Maintenance Manager                          | Transport Infrastructure Ireland |                           |
| John Moore                     | Winter Maintenance Manager                          | Lagan Egis                       | N25 Toll Plaza            |
| Evelyn Cusack                  | Head of Forecasting                                 | Met Eireann                      | Glasnevin Hill, Dublin 9. |
| Superintendent<br>Seán O'Meara | Traffic Corps                                       | An Garda Síochána                | Kilkenny Garda Station    |
| Inspector<br>Claire Kinealy    | Traffic Corps                                       | An Garda Síochána                | Thomastown Garda Station  |



# **Appendix 1 - Priority 1 & Priority 2 Treatment Routes**



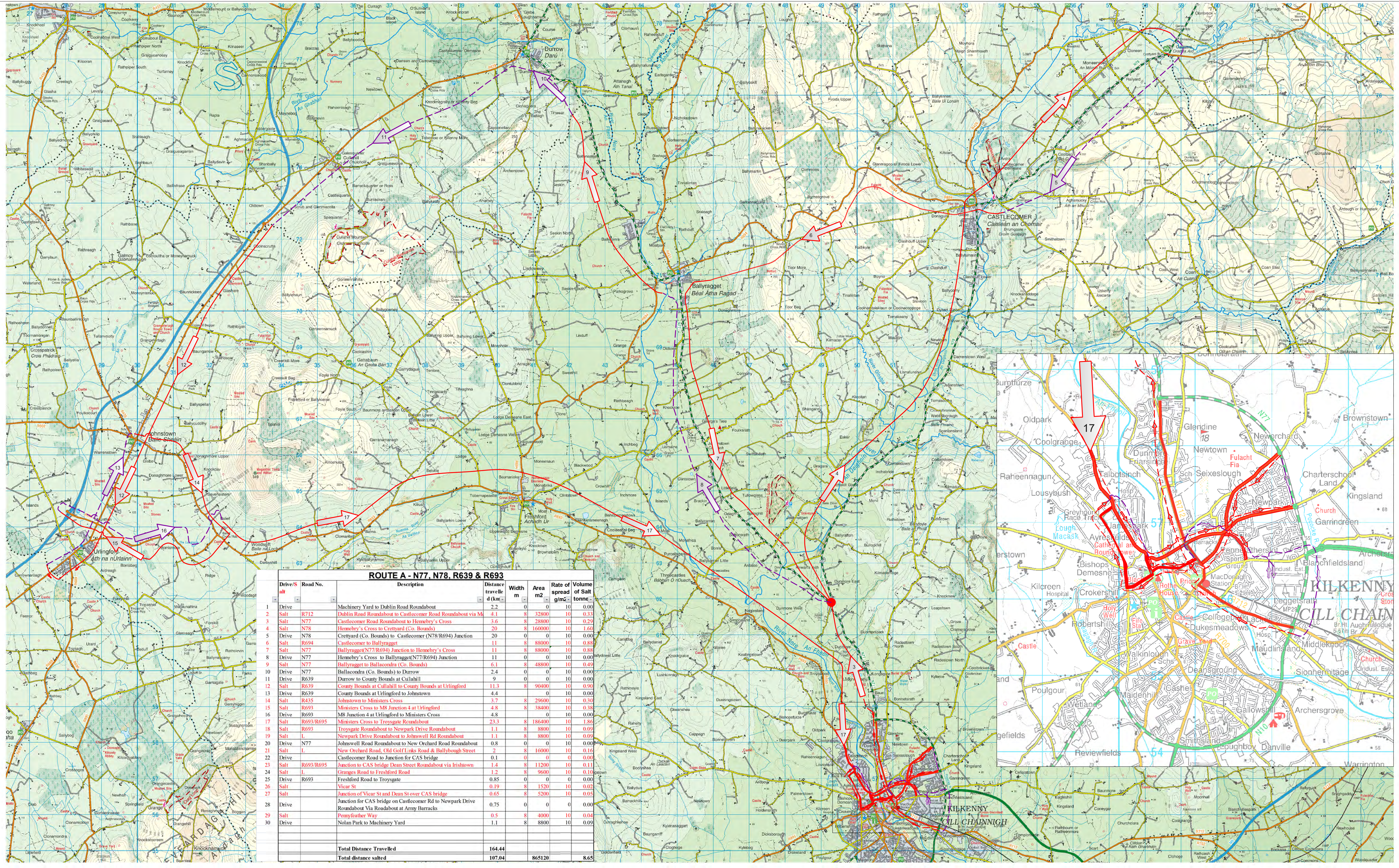


KILKENNY COUNTY COUNCIL  
Comhairle Chontae Chill Chainnigh  
ROAD DESIGN SECTION,  
1 DEAN STREET  
KILKENNY.

| Rev | By | Date | Description  |
|-----|----|------|--------------|
|     |    |      |              |
|     |    |      |              |
|     |    |      |              |
|     |    |      |              |
|     |    |      | Tender Issue |

|              |    |                       |                          |
|--------------|----|-----------------------|--------------------------|
| Project:     |    | KCC Salting Routes    |                          |
| Component:   |    | Winter Maintenance    |                          |
| Title:       |    | Priority 1 & 2 Routes |                          |
| Designed By: | SA | File Name:            | Drawing No.<br>KCC-WM-01 |
| Drawn By:    | HS | Scale:                |                          |
| Checked By:  | SW | Date:                 |                          |
|              |    | NTS                   | October 2015             |



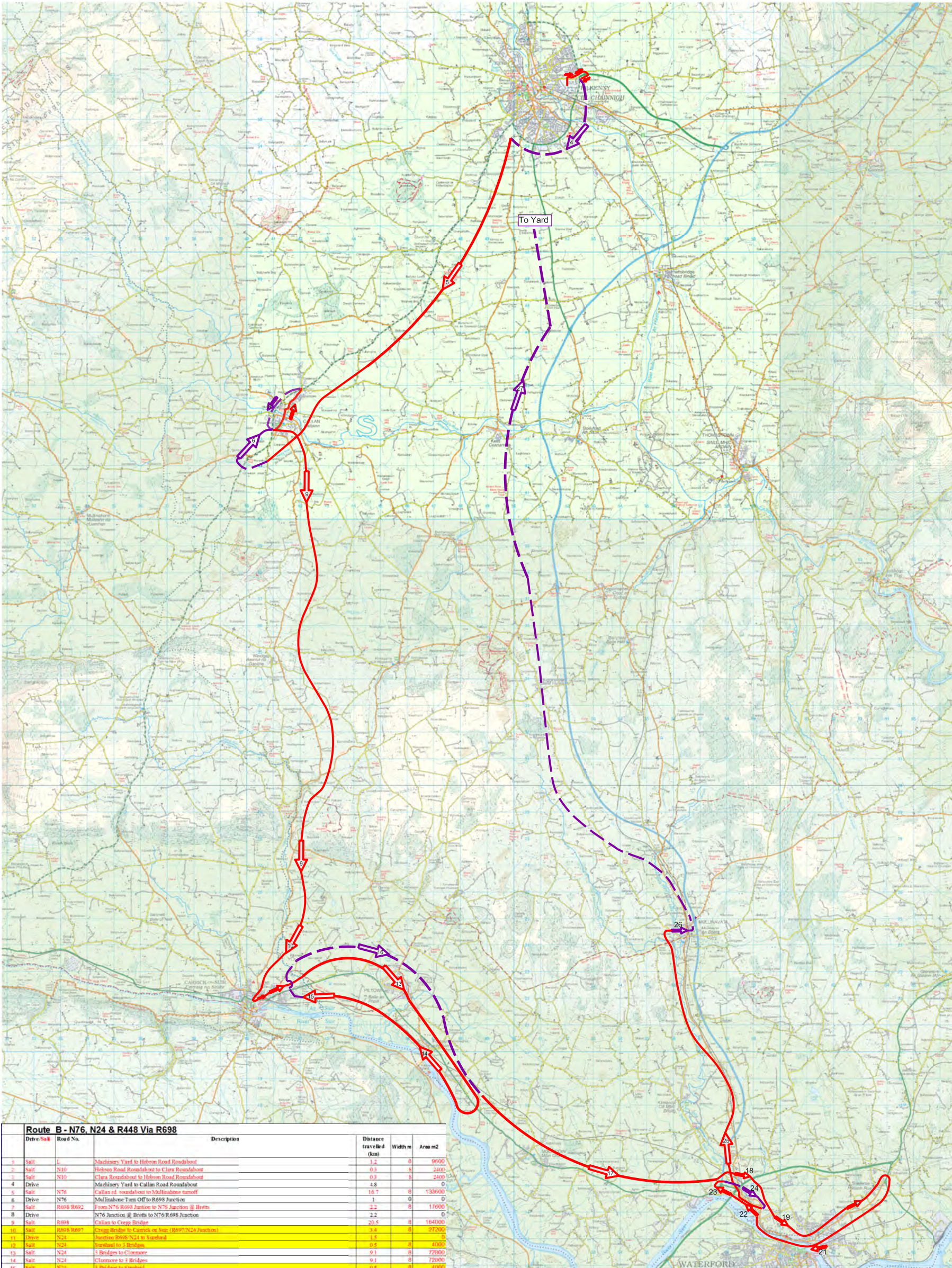


KILKENNY COUNTY COUNCIL  
Comhairle Chontae Chill Chainnigh  
ROAD DESIGN SECTION,  
1 DEAN STREET  
KILKENNY.

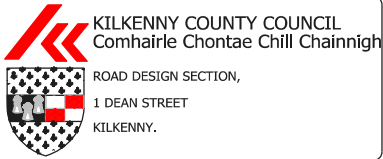
| Rev | By | Date | Description |
|-----|----|------|-------------|
|     |    |      |             |
|     |    |      |             |
|     |    |      |             |

|              |                                |               |              |
|--------------|--------------------------------|---------------|--------------|
| Project:     | KCC Salting Routes             |               |              |
| Component:   | Winter Service Plan            |               |              |
| Title:       | Route A- N77, N78, R639 & R693 |               |              |
| Designed By: | KK                             | File Name:    | Drawing No.  |
| Drawn By:    | HS                             | Scale:        | NTS          |
| Checked By:  | KK                             | Date:         | October 2017 |
|              |                                | KCC-WMP1&2-01 |              |





| Route B - N76, N24 & R448 Via R698      |          |             |  |         |         |        |
|---|----------|-------------|--|---------|---------|--------|
| Drive/Salt                              | Road No. | Description | Distance travelled (km)                                | Width m | Area m2 |        |
| 1                                       | Salt     | L           | Machinery Yard to Hebron Road Roundabout               | 1.2     | 8       | 9600   |
| 2                                       | Salt     | N10         | Hebron Road Roundabout to Clara Roundabout             | 0.3     | 8       | 2400   |
| 3                                       | Salt     | N10         | Clara Roundabout to Hebron Road Roundabout             | 0.3     | 8       | 2400   |
| 4                                       | Drive    |             | Machinery Yard to Callan Road Roundabout               | 4.8     | 0       | 0      |
| 5                                       | Salt     | N76         | Callan rd. roundabout to Mullinalone turnoff           | 16.7    | 8       | 133600 |
| 6                                       | Drive    | N76         | Mullinalone Turn Off to R698 Junction                  | 1       | 0       | 0      |
| 7                                       | Salt     | R698 R692   | From N76 Roundabout to N76 Junction @ Breth            | 2.2     | 8       | 17600  |
| 8                                       | Drive    |             | N76 Junction @ Breth to N76 R698 Junction              | 2.2     | 0       | 0      |
| 9                                       | Salt     | R698        | Callan to Creege Bridge                                | 20.5    | 8       | 164000 |
| 10                                      | Salt     | R698 R697   | Creege Bridge to Carrick on Suir (R697 N24 Junction)   | 3.4     | 8       | 27200  |
| 11                                      | Drive    | N24         | Junction R698 N24 to Sarsfield                         | 1.4     | 0       | 0      |
| 12                                      | Salt     | N24         | Sarsfield to 1 Bridge                                  | 0.6     | 8       | 4800   |
| 13                                      | Salt     | N24         | 1 Bridge to Clonmore                                   | 9.1     | 8       | 72800  |
| 14                                      | Salt     | N24         | Clonmore to 3 Bridges                                  | 9.1     | 8       | 72800  |
| 15                                      | Salt     | N24         | 3 Bridges to Sarsfield                                 | 0.6     | 8       | 4800   |
| 16                                      | Drive    | N24         | Sarsfield to Clonmore                                  | 0.4     | 0       | 0      |
| 17                                      | Salt     | N24         | Clonmore to Quarry Roundabout                          | 10.2    | 8       | 81600  |
| 18                                      | Salt     |             | Quarry Roundabout to Clonmore Roundabout               | 1.4     | 8       | 11200  |
| 19                                      | Salt     | R448 R448   | Clonmore Roundabout to Rice Bridge                     | 3       | 8       | 24000  |
| 20                                      | Salt     | R711        | Rice Bridge to Slievevee Roundabout                    | 4.5     | 8       | 36000  |
| 21                                      | Salt     | R711        | Slievevee Roundabout to Rice Bridge                    | 4.5     | 8       | 36000  |
| 22                                      | Salt     | R448 R448   | Rice Bridge to Clonmore Roundabout                     | 3       | 8       | 24000  |
| 23                                      | Salt     |             | Clonmore Roundabout to Clonmore Roundabout             | 0.7     | 8       | 5600   |
| 24                                      | Drive    | N10 R448    | Quarry roundabout to Newrath Roundabout                | 2.1     | 0       | 0      |
| 25                                      | Salt     | R448        | Newrath Roundabout to Mullinahat at R704 R448 Junction | 11.5    | 8       | 92000  |
| 26                                      | Drive    | R704        | Mullinahat to J11 Mullinahat                           | 0.35    | 8       | 0      |
| 27                                      | Drive    | M9 N10      | J11 Mullinahat to Machinery Yard (via M9)              | 37      | 0       | 0      |
| Total distance travelled                |          |             | 160.45   |         |         |        |
| Total distance salted                   |          |             | 98.8   |         |         | 816000 |
| Area also salted by PPP Company         |          |             |  |         |         |        |
| Area for South Tipperary County Council |          |             |  |         |         |        |



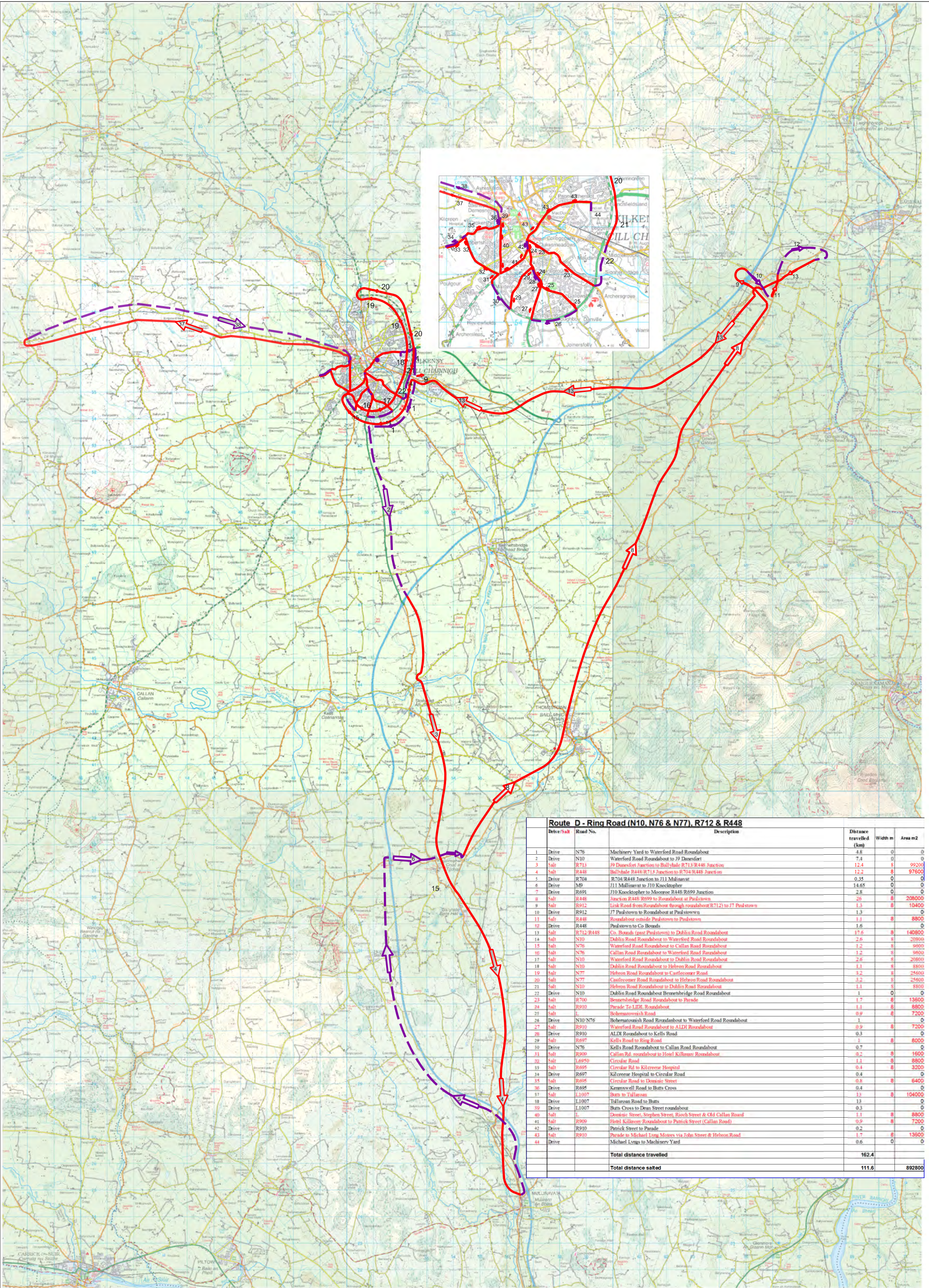
| Rev | By | Date | Description  |
|-----|----|------|--------------|
|     |    |      |              |
|     |    |      |              |
|     |    |      |              |
|     |    |      |              |
|     |    |      | Tender Issue |

|              |    |                                 |                |
|--------------|----|---------------------------------|----------------|
| Project:     |    | KCC Salting Routes              |                |
| Component:   |    | Winter Service Plan             |                |
| Title:       |    | Route B -N76,N24,&R448 via R698 |                |
| Designed By: | SA | File Name:                      | Drawing No.    |
| Drawn By:    | HS | Scale:                          | KCC-WMP 1&2-02 |
| Checked By:  | SW | Date:                           | October 2015   |









| Route D - Ring Road (N10, N76 & N77), R712 & R448 |           |   |                         |         |                     |
|---|-----------|---|-------------------------|---------|---------------------|
| Drive/Salt  | Road No.  | Description   | Distance travelled (km) | Width m | Area m <sup>2</sup> |
| 1 Drive   | N76       | Machinery Yard to Waterford Road Roundabout                       | 4.8                     | 0       | 0                   |
| 2 Drive   | N10       | Waterford Road Roundabout to J9 Dunesfort                         | 7.4                     | 0       | 0                   |
| 3 Salt  | R712      | J9 Dunesfort Junction to Ballvake R712/R448 Junction              | 12.4                    | 8       | 99200               |
| 4 Salt  | R448      | Ballvake R448/R712 Junction to R704/R448 Junction                 | 12.2                    | 8       | 97600               |
| 5 Drive   | R704      | R704/R448 Junction to J11 Mullinavat                              | 0.35                    | 0       | 0                   |
| 6 Drive   | M9        | J11 Mullinavat to J10 Knockreeher                                 | 14.65                   | 0       | 0                   |
| 7 Drive   | R691      | J10 Knockreeher to Moonee R448/R691 Junction                      | 2.8                     | 0       | 0                   |
| 8 Salt  | R448      | Junction R448/R691 to Roundabout at Paulstown                     | 26                      | 6       | 208000              |
| 9 Salt  | R912      | Link Road from Roundabout through roundabout R712 to J7 Paulstown | 1.3                     | 6       | 10400               |
| 10 Drive  | R912      | J7 Paulstown to Roundabout at Paulstown                           | 1.3                     | 0       | 0                   |
| 11 Salt   | R448      | Roundabout outside Paulstown to Paulstown                         | 1.1                     | 8       | 8800                |
| 12 Drive  | R448      | Paulstown to Co. Bounds   | 1.6                     | 0       | 0                   |
| 13 Salt   | R712/R448 | Co. Bounds (near Paulstown) to Dublin Road Roundabout             | 17.6                    | 8       | 140800              |
| 14 Salt   | N10       | Dublin Road Roundabout to Waterford Road Roundabout               | 2.6                     | 8       | 20800               |
| 15 Salt   | N76       | Waterford Road Roundabout to Callan Road Roundabout               | 1.2                     | 8       | 9600                |
| 16 Salt   | N76       | Callan Road Roundabout to Waterford Road Roundabout               | 1.2                     | 8       | 9600                |
| 17 Salt   | N10       | Waterford Road Roundabout to Dublin Road Roundabout               | 2.6                     | 8       | 20800               |
| 18 Salt   | N10       | Dublin Road Roundabout to Hebron Road Roundabout                  | 1.1                     | 8       | 8800                |
| 19 Salt   | N77       | Hebron Road Roundabout to Castlecomer Road                        | 3.2                     | 8       | 25600               |
| 20 Salt   | N77       | Castlecomer Road Roundabout to Hebron Road Roundabout             | 3.2                     | 8       | 25600               |
| 21 Salt   | N10       | Hebron Road Roundabout to Dublin Road Roundabout                  | 1.1                     | 8       | 8800                |
| 22 Drive  | N10       | Dublin Road Roundabout to Bennettsbridge Road Roundabout          | 1                       | 0       | 0                   |
| 23 Salt   | R700      | Bennettsbridge Road Roundabout to Parade                          | 1.7                     | 6       | 13600               |
| 24 Salt   | R910      | Parade To LDI Roundabout  | 1.1                     | 6       | 8800                |
| 25 Salt   | L         | Bohemstownish Road Roundabout                                     | 0.9                     | 6       | 7200                |
| 26 Drive  | N10/N76   | Bohemstownish Road Roundabout to Waterford Road Roundabout        | 1                       | 0       | 0                   |
| 27 Salt   | R910      | Waterford Road Roundabout to ALDI Roundabout                      | 0.9                     | 8       | 7200                |
| 28 Drive  | R910      | ALDI Roundabout to Kells Road                                     | 0.3                     | 0       | 0                   |
| 29 Salt   | R697      | Kells Road to Ring Road   | 1                       | 6       | 8000                |
| 30 Drive  | N76       | Kells Road Roundabout to Callan Road Roundabout                   | 0.7                     | 8       | 5600                |
| 31 Salt   | R699      | Callan Rd. roundabout to Hotel Kilkenny Roundabout                | 0.2                     | 8       | 1600                |
| 32 Salt   | L6950     | Circular Road   | 1.1                     | 6       | 8800                |
| 33 Salt   | R695      | Circular Rd to Kilkenny Hospital                                  | 0.4                     | 6       | 3200                |
| 34 Drive  | R697      | Kilkenny Hospital to Circular Road                                | 0.4                     | 0       | 0                   |
| 35 Salt   | R695      | Circular Road to Dominic Street                                   | 0.8                     | 8       | 6400                |
| 36 Drive  | R695      | Kernanville Road to Buns Cross                                    | 0.4                     | 0       | 0                   |
| 37 Salt   | L1007     | Buns to Tullaroan   | 13                      | 8       | 104000              |
| 38 Drive  | L1007     | Tullaroan Road to Buns  | 13                      | 0       | 0                   |
| 39 Drive  | L1007     | Buns Cross to Dean Street roundabout                              | 0.3                     | 0       | 0                   |
| 40 Salt   | L         | Dominic Street, Stephen Street, Rosh Street & Old Callan Road     | 1.1                     | 8       | 8800                |
| 41 Salt   | R909      | Hotel Kilkenny Roundabout to Patrick Street (Callan Road)         | 0.9                     | 8       | 7200                |
| 42 Drive  | R910      | Patrick Street to Parade  | 0.2                     | 0       | 0                   |
| 43 Salt   | R910      | Parade to Michael Long Motors via John Street & Hebron Road       | 1.7                     | 8       | 13600               |
| 44 Drive  |           | Michael Long to Machinery Yard                                    | 0.6                     | 0       | 0                   |
| Total distance travelled                          |           |   | 162.4                   |         |                     |
| Total distance salted                             |           |   | 111.6                   |         | 892800              |

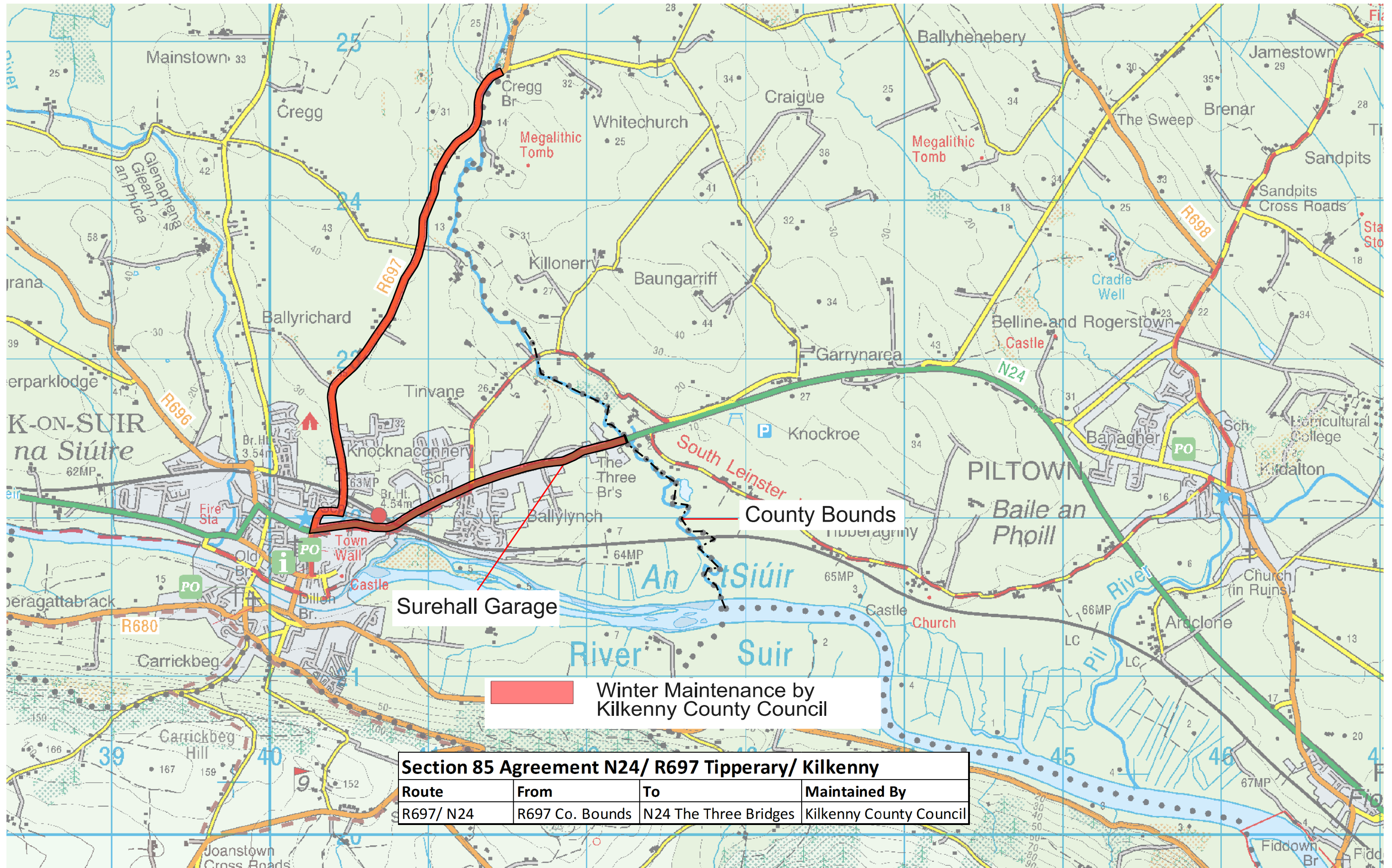
| Rev | By | Date | Description  |
|-----|----|------|--------------|
|     |    |      |              |
|     |    |      |              |
|     |    |      |              |
|     |    |      |              |
|     |    |      | Tender Issue |

|              |    |   |               |
|--------------|----|---|---------------|
| Project:     |    | KCC Salting Routes                                |               |
| Component:   |    | Winter Service Plan                               |               |
| Title:       |    | Route D- Ring Road (N10, N76, & N77), R712 & R448 |               |
| Designed By: | SA | File Name:  | Drawing No.   |
| Drawn By:    | HS | Scale:  | KCC-WMP1&2-04 |
| Checked By:  | SW | Date:   | October 2015  |



## **Appendix 2 - Priority 3**

### **Treatment Routes**

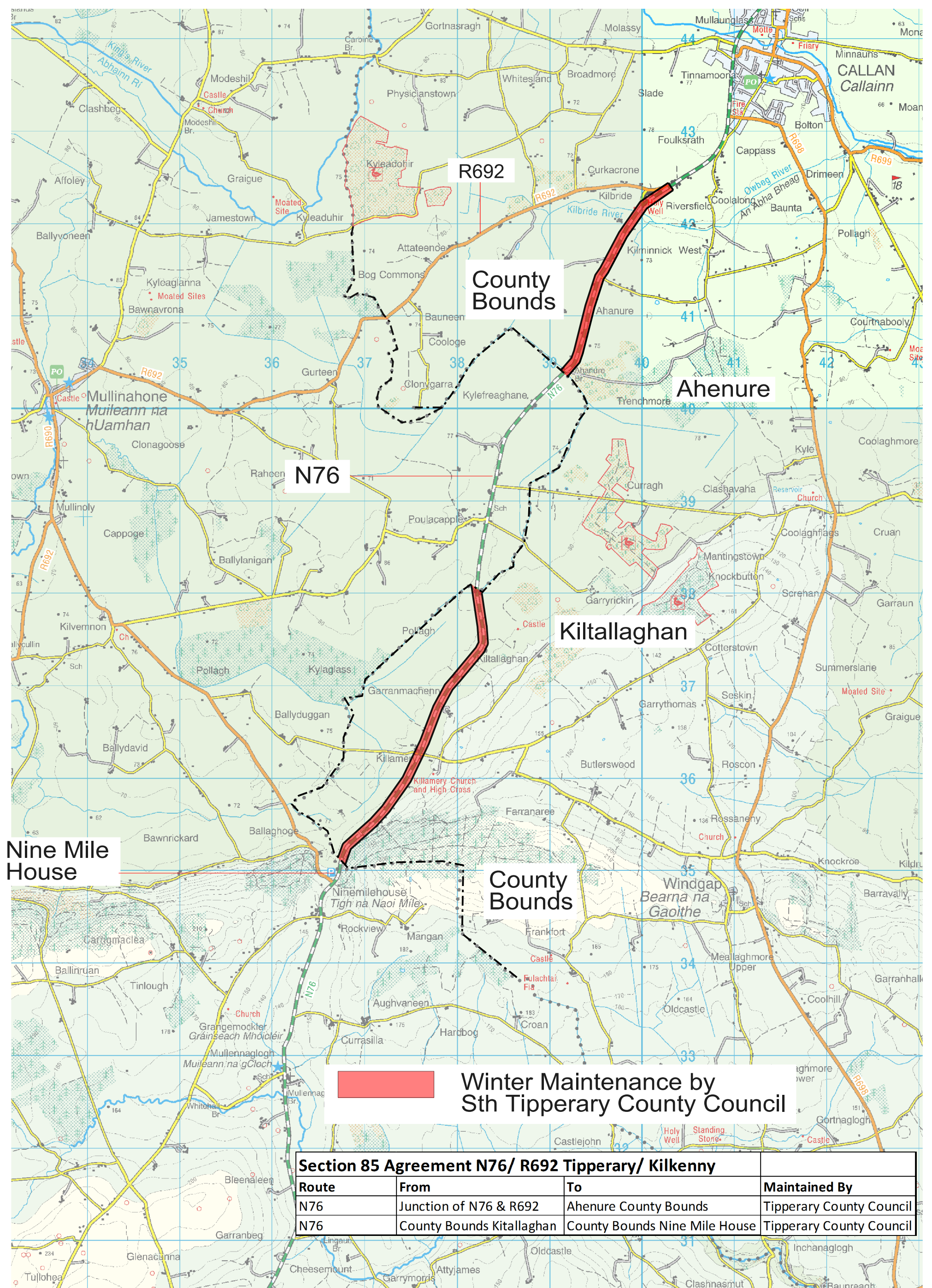


KILKENNY COUNTY COUNCIL  
Comhairle Chontae Chill Chainnigh  
ROAD DESIGN SECTION,  
1 DEAN STREET  
KILKENNY.

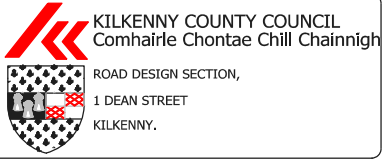
| Rev | By | Date | Description |
|-----|----|------|-------------|
|     |    |      |             |
|     |    |      |             |
|     |    |      |             |
|     |    |      |             |

|  |                    |                       |  |
|--|--------------------|-----------------------|--|
| Project: KCC Salting Routes                |                    | Drawing No. KCC-WM-05 |  |
| Component: Winter Maintenance              |                    |                       |  |
| Title: Section 85 Tipperary County Council |                    |                       |  |
| Designed By: SA                            | File Name:         |                       |  |
| Drawn By: HS                               | Scale: NTS         |                       |  |
| Checked By: SW                             | Date: October 2015 |                       |  |





| Section 85 Agreement N76/ R692 Tipperary/ Kilkenny |                            |                               |                          |
|--|----------------------------|-------------------------------|--------------------------|
| Route  | From                       | To                            | Maintained By            |
| N76  | Junction of N76 & R692     | Ahenure County Bounds         | Tipperary County Council |
| N76  | County Bounds Kiltallaghan | County Bounds Nine Mile House | Tipperary County Council |

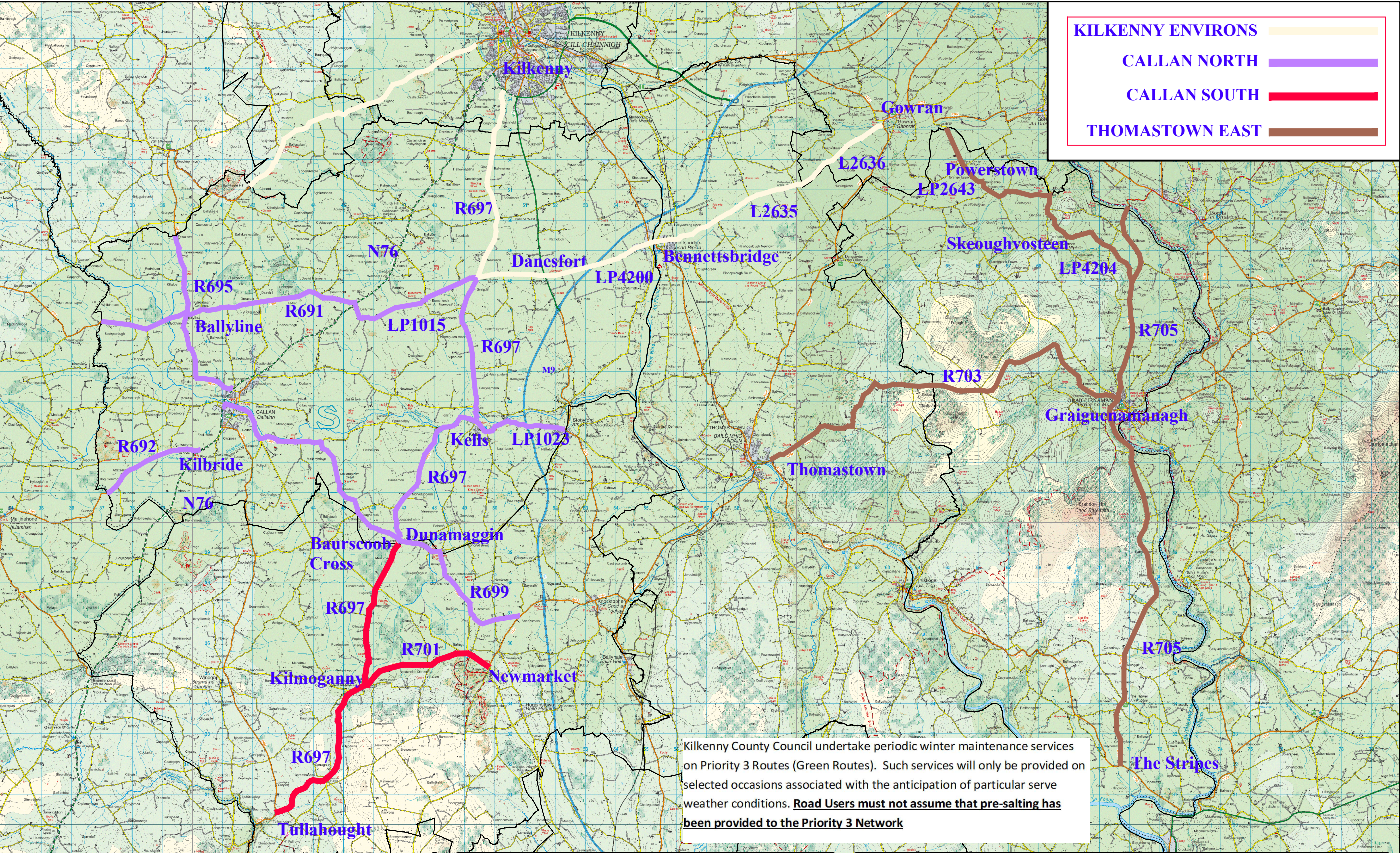


| Rev | By | Date | Description |
|-----|----|------|-------------|
|     |    |      |             |
|     |    |      |             |
|     |    |      |             |
|     |    |      |             |

|  |                    |                       |  |
|--|--------------------|-----------------------|--|
| Project: KCC Salting Routes                |                    | Drawing No. KCC-WM-08 |  |
| Component: Winter Maintenance              |                    |                       |  |
| Title: Section 85 Tipperary County Council |                    |                       |  |
| Designed By: SA                            | File Name:         |                       |  |
| Drawn By: HS                               | Scale: NTS         |                       |  |
| Checked By: SW                             | Date: October 2015 |                       |  |

## **Appendix 3 - Section 85 -** **Treatment Routes Maps**





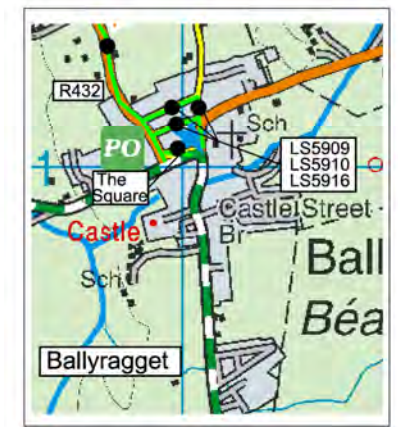
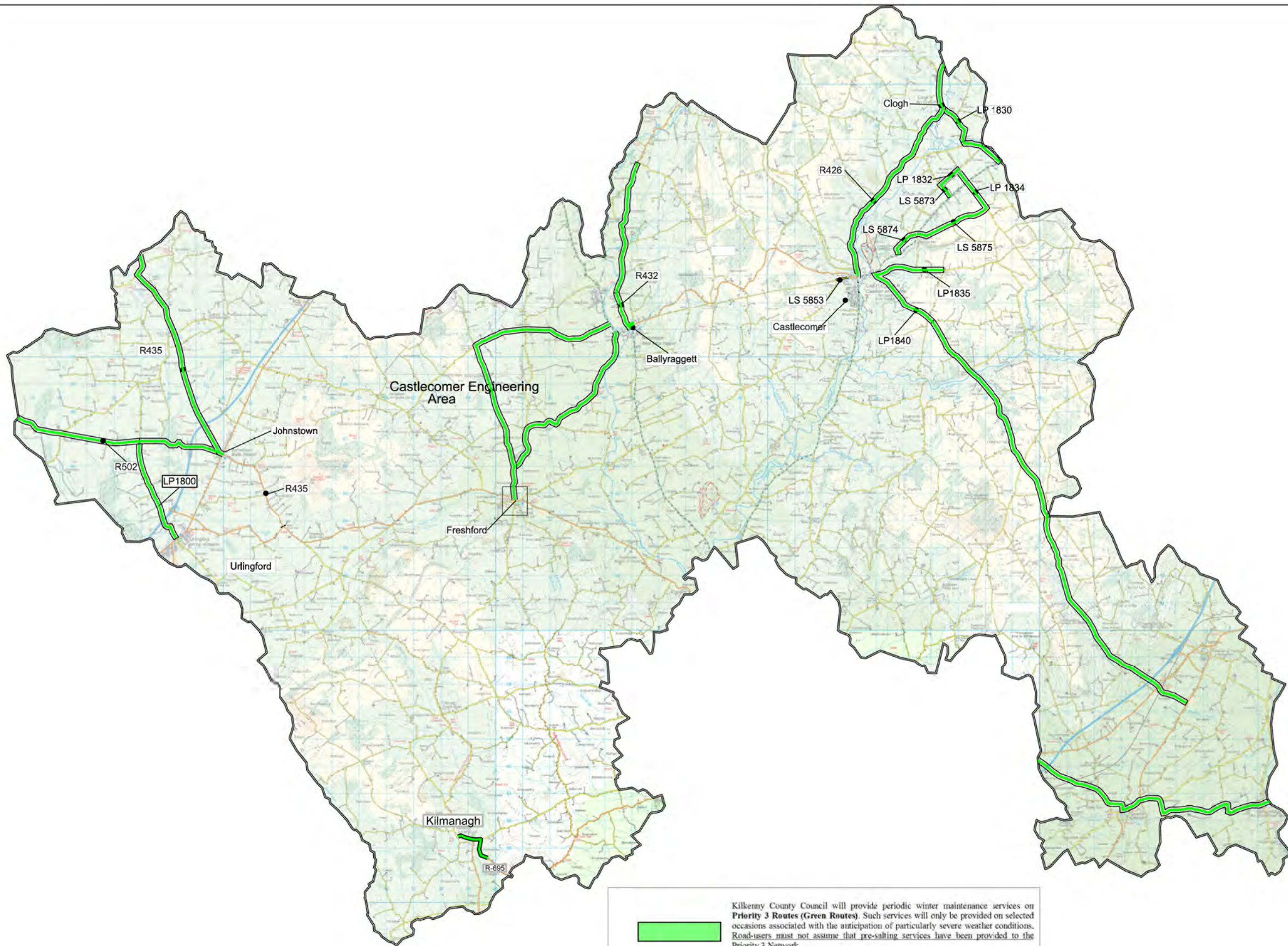
KILKENNY COUNTY COUNCIL  
Comhairle Chontae Chill Chainnigh

THOMASTOWN /CALLAN  
MUNICIPAL DISTRICT  
COUNTY KILKENNY.

| Rev | By | Date | Description |
|-----|----|------|-------------|
|     |    |      |             |
|     |    |      |             |
|     |    |      |             |
|     |    |      |             |
|     |    |      |             |

|   |  |  |                |
|---|--|--|----------------|
| Project: Thomastown/Callan Salting Routes |  |  |                |
| Component: Winter Maintenance             |  |  |                |
| Title: Priority 3 Routes                  |  |  |                |
| Designed By:                              |  | File Name: thomastown (g) /roadworks programme/ 2023 |                |
| Drawn By: PS                              |  | Scale: NTS   |                |
| Checked By: DM                            |  | Date: DEC 2022                                       |                |
|   |  |  | Drawing No. 01 |





KILKENNY COUNTY COUNCIL  
Comhairle Chontae Chill Chainnigh  
ROAD DESIGN SECTION,  
1 DEAN STREET  
KILKENNY.

| Rev | By | Date | Description |
|-----|----|------|-------------|
|     |    |      |             |
|     |    |      |             |
|     |    |      |             |
|     |    |      |             |
|     |    |      |             |

|              |                                    |            |                            |
|--------------|------------------------------------|------------|----------------------------|
| Project:     | KCC Salting Routes                 |            |                            |
| Component:   | Winter Maintenance                 |            |                            |
| Title:       | Priority 3 Routes Castlecomer Area |            |                            |
| Designed By: | SA                                 | File Name: | Drawing No.<br>KCC-WMP3-02 |
| Drawn By:    | HS                                 | Scale:     |                            |
| Checked By:  | SW                                 | Date:      |                            |
|              |                                    |            | October 2105               |



Kilkenny County Council undertake periodic winter maintenance services on Priority 3 Routes (Green Routes). Such services will only be provided on selected occasions associated with the anticipation of particularly severe weather conditions. Road-users must not assume that pre-salting have been provided to the Priority 3 Network. [REDACTED]

