



To: Cathaoirleach and Each Member of Kilkenny County Council

Re: Winter Maintenance Plan 2024/2025

Date: 14th October 2024

A Chara

The Winter Maintenance Season for 2024/2025 will extend from the 14th October 2024 to 25th 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.

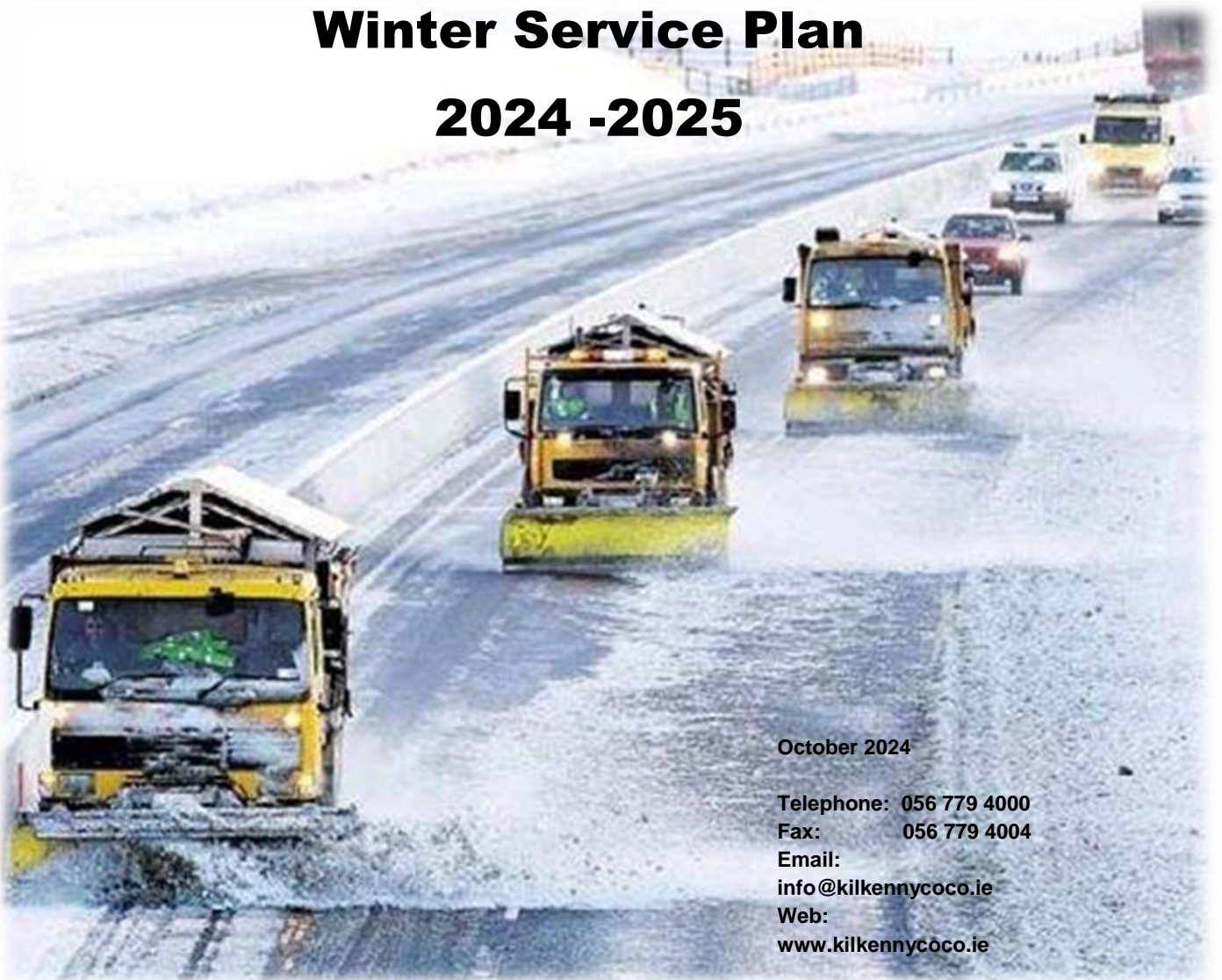
In conclusion I recommend approval of the Winter Services Plan 2024/2025 in line with the details set out in this memo to Elected Members.

Mary Mullholland
Director of Services

Kilkenny County Council



Winter Service Plan 2024 -2025



October 2024

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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 14th 2024 to April 25th, 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

Treatment Route	Priority 1	Priority 2	Priority 3
Mobilisation Time	1hr	1hr	When possible
Treatment Time	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 No hoar frost No fog	Salt before frost	Salt before frost (see note a)	No action likely, monitor weather (see note a)
Expected to fall below 1°C	No rain No hoar frost No fog		Salt before frost (see note b)	
	Expected hoar frost 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 Possible hoar frost 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. 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

Drawing. No.	Drawing Name	Date
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

Duty Engineer	Duty Period Start	Duty Period Finish
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

Drivers	Fitters	Duty Period Start	Duty Period Finish
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
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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/m²
- 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/m² 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 ³ Pre-Wet	Nov '23	Nov '23	Nov '24	Nov '24
SG9 – Permanent Pre-Wet	Machinery Yard	9m ³ Pre Wet	Nov '23	Nov '23	Nov '24	Nov '24
SG8 – Demountable	Machinery Yard	9m ³	Oct '23	Oct '23	Oct '24	Oct '24
SG12 – Permanent Pre-Wet	Machinery Yard	10.5m ³	Oct '23	Oct '23	Oct '24	Oct '24
SG6 – Demountable	Machinery Yard	9m ³	Oct '23	Oct '23	Oct '24	Oct '24
SG11 – Permanent Pre-Wet	Machinery Yard	10.5m ³	Oct '23	Oct '23	Oct '24	Oct '24
SG4 – Demountable	Machinery Yard	7m ³				
SG3 – Demountable	Machinery Yard	6m ³				
CLN1 - Demountable	Thomastown Depot	3m ³				
CLN2 - Demountable	Callan Depot	1.5m ³				
CLN3 – Demountable	Kilmaganny Depot	1.5m ³				
CLN4 – Towable	Kilkenny Depot	3m ³				
CC1 – Towable	Johnstown Depot	4.5m ³				
CC2 – Towable	Castlecomer Depot	4.5m ³				
CC3 – Towable	Ballyragget Depot	4.5m ³				
N1 - Demountable	Newrath Depot	2m ³				
KK1 - Demountable	Machinery Yard	3m ³				

TT1 - Demountable	Graignamanagh Depot	3.8m ³				
TT2 - Demountable	Gowran Depot	2.6m ³				
TT3 – Towable	Thomastown Depot	4.5m ³				

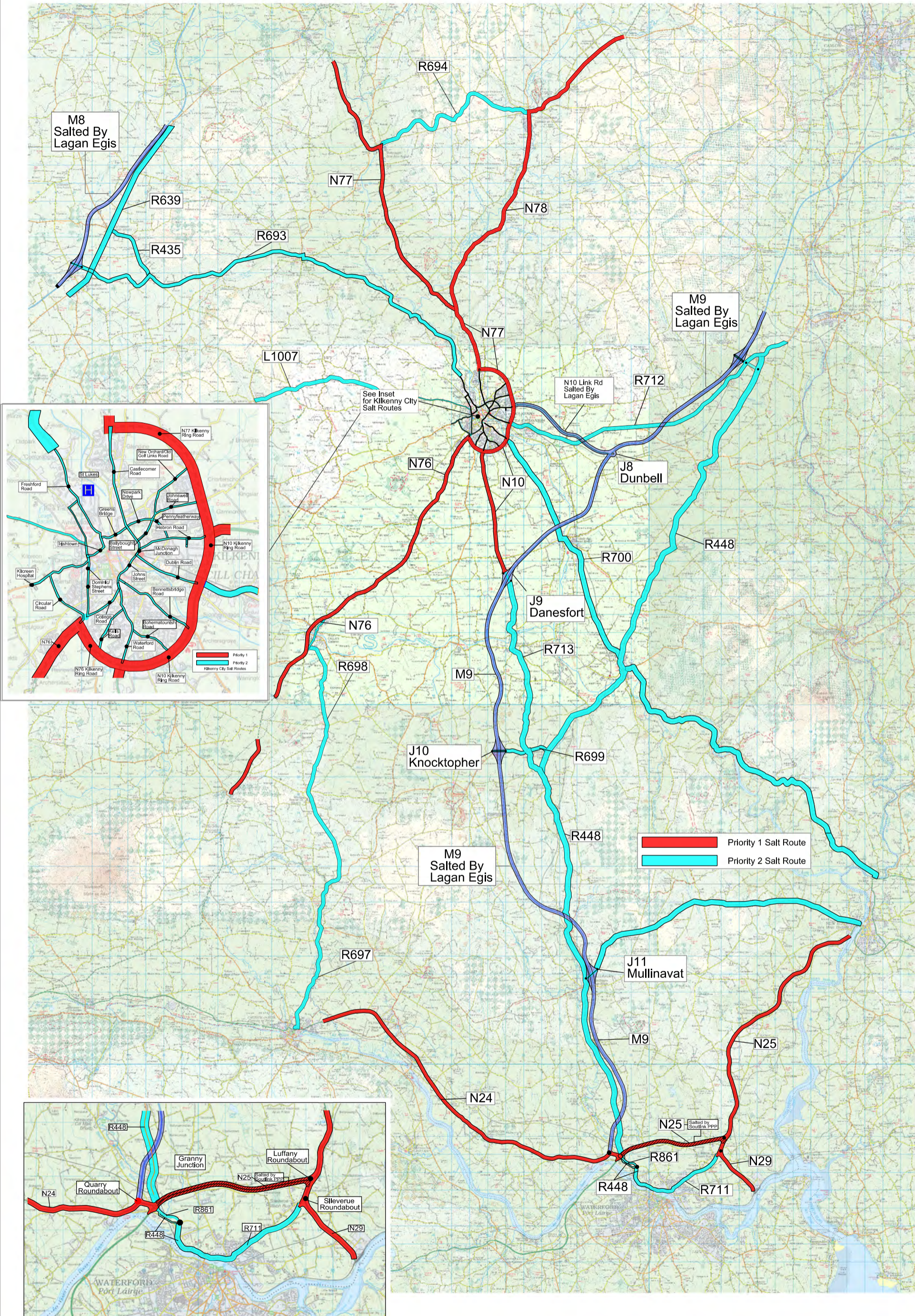
Table 9.2 Snow Ploughs & Loading Shovels

Snowploughs & Loading Shovels	Depot Location	Fitted to	Date Serviced	Date of Next Service
119T – Loading Shovel	Machinery Yard		Regular Servicing	
101T – Manitou Teleporter	Machinery Yard		Regular Servicing	
134T – Manitou Teleporter	Dunmore Civic Amenity Centre		Regular Servicing	
77T – Manitou Teleporter	Machinery Yard		Regular Servicing	
Snowplough - 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 Roads	Kilkenny County Council	County Hall, Kilkenny
Stan Cullen	Senior Engineer Kilkenny Municipal Area	Kilkenny County Council	City Hall
Alan Hyland	Executive Engineer Kilkenny Municipal Urban Area	Kilkenny County Council	City Hall
Eamon Mahon	Area Engineer Kilkenny Municipal Rural Area	Kilkenny County Council	County Hall, Kilkenny
John Tennyson	Area Engineer Newrath Municipal Area	Kilkenny County Council	Piltown Area Office
Paraic Butler	Area Engineer Castlecomer Municipal Area	Kilkenny County Council	Castlecomer Area Office
Declan Murphy	Area Engineer 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 Seán O'Meara	Traffic Corps	An Garda Síochána	Kilkenny Garda Station
Inspector Claire Kinealy	Traffic Corps	An Garda Síochána	Thomastown Garda Station

Appendix 1 - Priority 1 & Priority 2 Treatment Routes

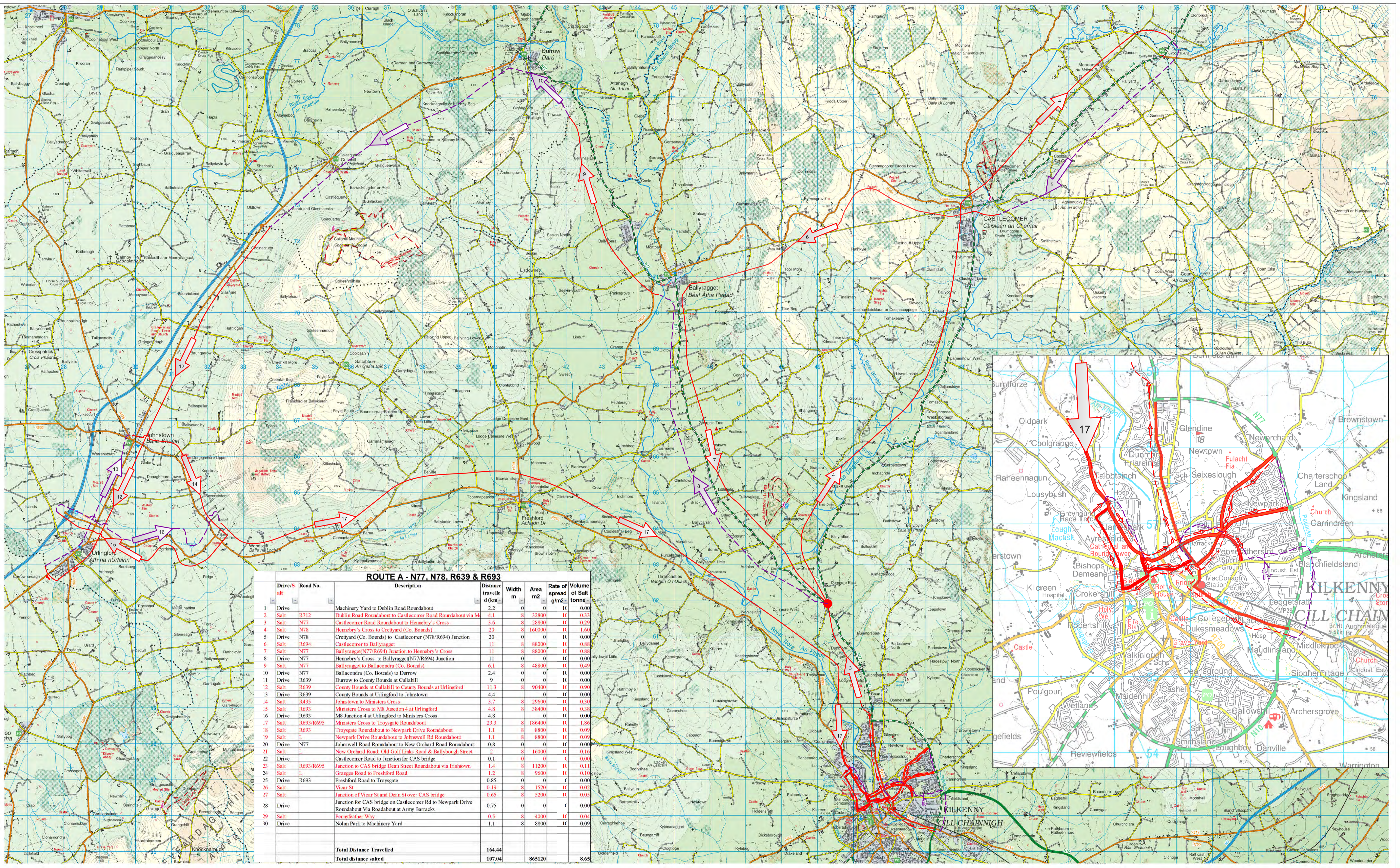


KILKENNY COUNTY COUNCIL
Comhairle Chontae Chill Chainnigh

ROAD DESIGN SECTION,
1 DEAN STREET
KILKENNY.

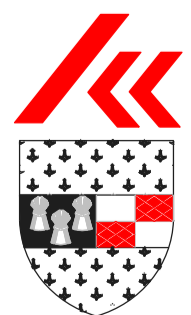
Rev	By	Date	Description
			Tender Issue

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



ROUTE A - N77, N78, R639 & R693

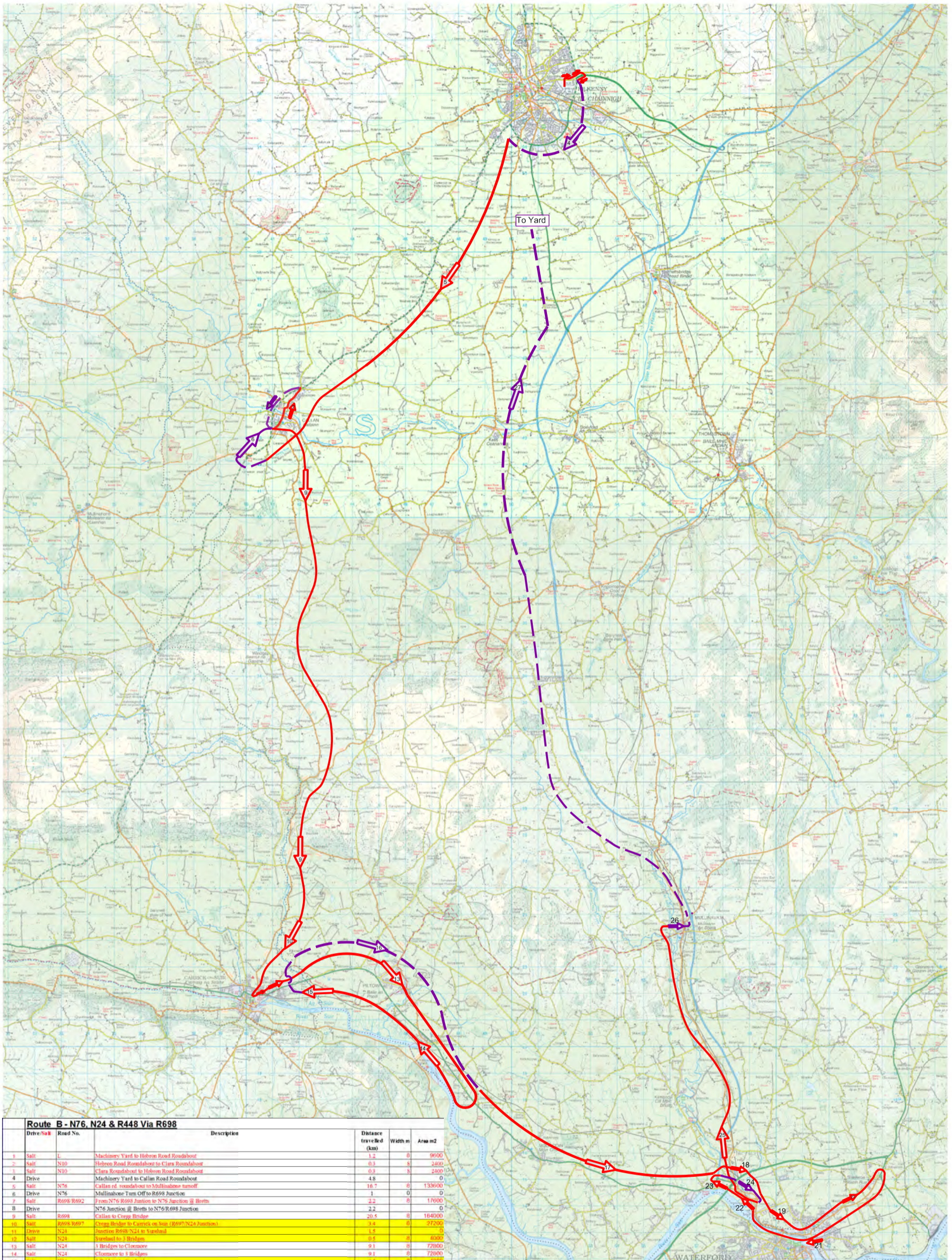
Drive/Salt	Road No.	Description	Distance travelled (km)	Width (m)	Area (m ²)	Rate of spread (g/m ²)	Volume of Salt (tonne)
1	Drive	Machinery Yard to Dublin Road Roundabout	2.2	0	0	10	0.00
2	Salt R712	Dublin Road Roundabout to Castlecomer Road Roundabout via M1	4.1	8	32800	10	0.33
3	Salt N77	Castlecomer Road Roundabout to Hennebry's Cross	3.6	8	28800	10	0.29
4	Salt N78	Hennebry's Cross to Crettyard (Co. Boards)	20	8	160000	10	1.60
5	Drive N78	Crettyard (Co. Boards) to Castlecomer (N78/R694) Junction	20	0	0	10	0.00
6	Salt R694	Castlecomer to Ballyragget	11	8	88000	10	0.88
7	Salt N77	Ballyragget (N77/R694) Junction to Hennebry's Cross	11	0	0	10	0.00
8	Drive N77	Hennebry's Cross to Ballyragget (N77/R694) Junction	11	0	0	10	0.00
9	Salt N77	Ballyragget to Ballacandra (Co. Boards)	6.1	8	48800	10	0.49
10	Drive N77	Ballacandra (Co. Boards) to Darrow	2.4	0	0	10	0.00
11	Drive R639	Darrow to County Boards at Cullahill	9	0	0	10	0.00
12	Salt R639	County Boards at Cullahill to County Boards at Urlingford	11.3	8	90400	10	0.90
13	Drive R639	County Boards at Urlingford to Johnstown	4.4	0	0	10	0.00
14	Salt R435	Johnstown to Ministers Cross	3.7	8	29600	10	0.30
15	Salt R693	Ministers Cross to M8 Junction 4 at Urlingford	4.8	8	38400	10	0.38
16	Drive R693	M8 Junction 4 at Urlingford to Ministers Cross	4.8	0	0	10	0.00
17	Salt R693/R695	Ministers Cross to Troysgate Roundabout	23.3	8	186400	10	1.86
18	Salt R693	Troysgate Roundabout to Newpark Drive Roundabout	1.1	8	8800	10	0.09
19	Salt L	Newpark Drive Roundabout to Johnswell Rd Roundabout	1.1	8	8800	10	0.09
20	Drive N77	Johnswell Road Roundabout to New Orchard Road Roundabout	0.8	0	0	10	0.00
21	Salt L	New Orchard Road, Old Golf Links Road & Ballybough Street	2	8	16000	10	0.16
22	Drive	Castlecomer Road to Junction for CAS bridge	0.1	0	0	10	0.00
23	Salt R693/R695	Junction to CAS bridge Dean Street Roundabout via Irishtown	1.4	8	11200	10	0.11
24	Salt L	Granges Road to Freshford Road	1.2	8	9600	10	0.10
25	Drive R693	Freshford Road to Troysgate	0.85	0	0	10	0.00
26	Salt	Vicar St	0.19	8	1520	10	0.02
27	Salt	Junction of Vicar St and Dean St over CAS bridge	0.65	8	5200	10	0.05
28	Drive	Junction for CAS bridge on Castlecomer Rd to Newpark Drive Roundabout via Roundabout at Army Barracks	0.75	0	0	10	0.00
29	Salt	Pumpfeather Way	0.5	8	4000	10	0.04
30	Drive	Nolan Park to Machinery Yard	1.1	8	8800	10	0.09
Total Distance Travelled			164.44				
Total distance salted			107.04		865120		8.65



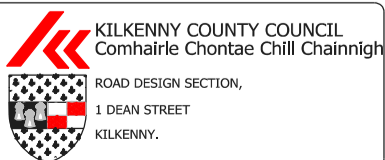
KILKENNY COUNTY COUNCIL
 Comhairle Chontae Chill Chainnigh
 ROAD DESIGN SECTION,
 1 DEAN STREET
 KILKENNY.

Rev	By	Date	Description

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

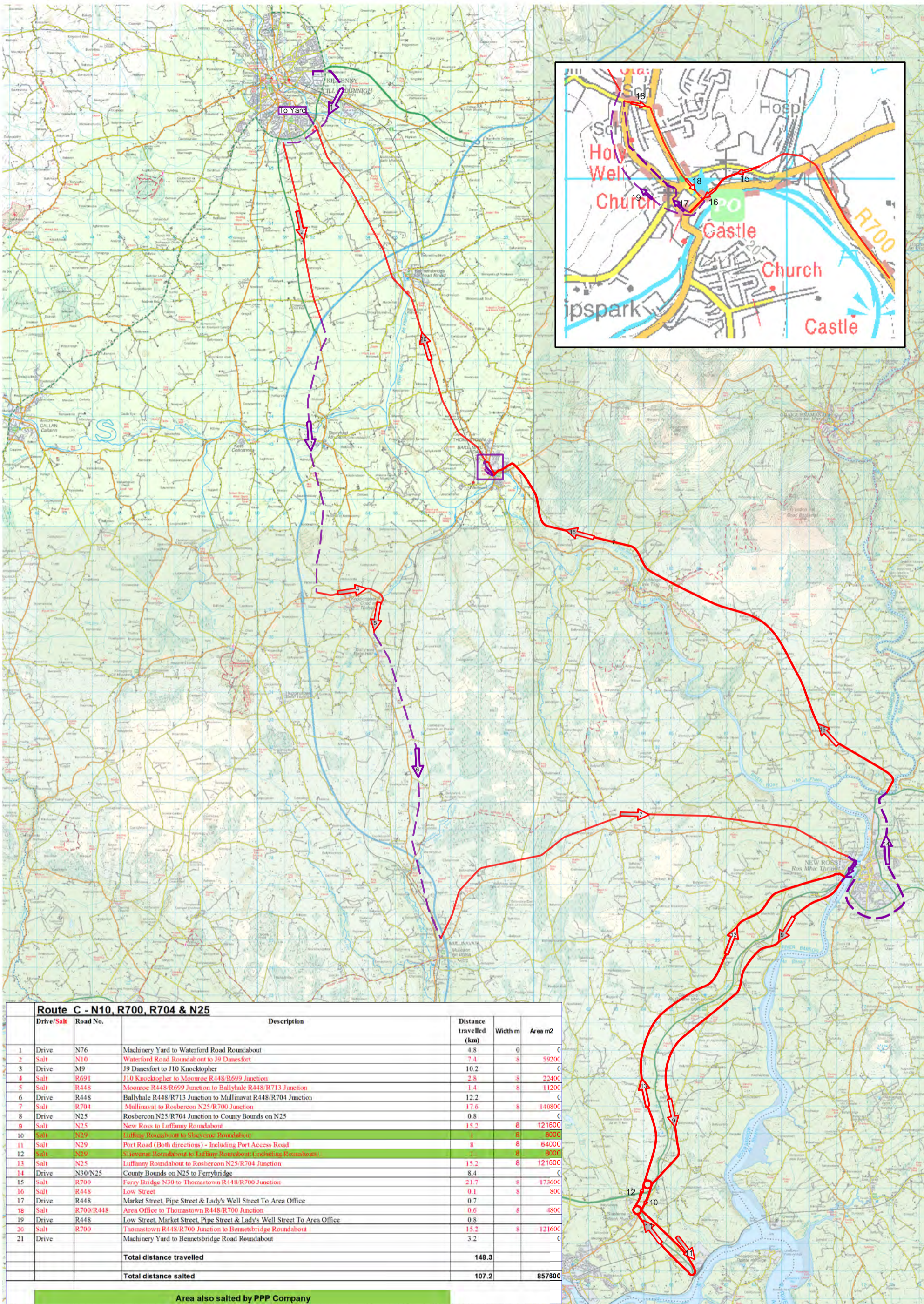


Route B - N76, N24 & R448 Via R698						
Drive No	Road No.	Description	Distance travelled (km)	Width m	Area m2	
1	Salt	L Machinery Yard to Hebron Road Roundabout	1.2	8	9600	
2	Salt	N10 Hebron Road Roundabout to Clara Roundabout	0.3	8	2400	
3	Salt	N10 Clara Roundabout to Hebron Road Roundabout	0.3	8	2400	
4	Drive	Machinery Yard to Callan Road Roundabout	4.8	8	0	
5	Salt	N76 Callan rd. roundabout to Mullinahone turnoff	16.7	8	133600	
6	Drive	N76 Mullinahone Turn Off to R698 Junction	1	0	0	
7	Salt	R698 R692 From N76 R698 Junction 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 Cregee Bridge	20.5	8	164000	
10	Salt	R698 R697 Cregee Bridge to Carrick on Ross (R697/N24 Junction)	3.4	0	27200	
11	Drive	N24 Junction R698 N24 to Sarsfield	1.4	0	0	
12	Salt	N24 Sarsfield to 2 Bridges	0.6	0	4800	
13	Salt	N24 1 Bridge to Clonmore	9.1	0	72800	
14	Salt	N24 Clonmore to 3 Bridges	9.1	0	72800	
15	Salt	N24 3 Bridges to Sarsfield	0.6	0	4800	
16	Drive	N24 Sarsfield to Clonmore	0.6	0	0	
17	Salt	N24 Clonmore to Quarry Roundabout	10.2	0	81600	
18	Salt	N24 Quarry Roundabout to Clonmore Roundabout	1.4	0	11200	
19	Salt	R448 R448 Clonmore Roundabout to Rice Bridge	3	0	24000	
20	Salt	R711 Rice Bridge to Slievevee Roundabout	4.5	0	36000	
21	Salt	R711 Slievevee Roundabout to Rice Bridge	4.5	0	36000	
22	Salt	R448 R448 Rice Bridge to Clonmore Roundabout	3	0	24000	
23	Drive	Clonmore Roundabout to Quarry Roundabout	0.75	0	6000	
24	Drive	N10 R448 Quarry Roundabout to Newrath Roundabout	2.1	0	0	
25	Salt	R448 Newrath Roundabout to Mullinahone at R704 R448 Junction	11.5	8	92000	
26	Drive	R704 Mullinahone to J11 Mullinahone	0.35	0	0	
27	Drive	M9/N10 J10 Knocktopher 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						

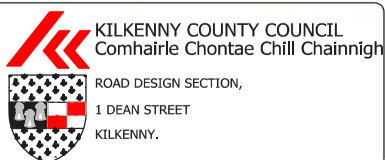


Rev	By	Date	Description
			Tender Issue

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



Route C - N10, R700, R704 & N25							
Drive/Salt	Road No.	Description	Distance travelled (km)	Width m	Area m2		
1	Drive	N76	Machinery Yard to Waterford Road Roundabout	4.8	0	0	
2	Salt	N10	Waterford Road Roundabout to J9 Danesfort	7.4	8	59200	
3	Drive	M9	J9 Danesfort to J10 Knocktopher	10.2	8	0	
4	Salt	R691	J10 Knocktopher to Moonroe R448/R699 Junction	2.8	8	22400	
5	Salt	R448	Moonroe R448/R699 Junction to Ballyhale R448/R713 Junction	1.4	8	11200	
6	Drive	R448	Ballyhale R448/R713 Junction to Mullinavat R448/R704 Junction	12.2	8	0	
7	Salt	R704	Mullinavat to Rosbercon N25/R700 Junction	17.6	8	140800	
8	Drive	N25	Rosbercon N25/R704 Junction to County Bounds on N25	0.8	8	0	
9	Salt	N25	New Ross to Lufflenny Roundabout	15.2	8	121600	
10	Salt	N29	Lufflenny Roundabout to Slievevea Roundabout	1	8	8000	
11	Salt	N29	Port Road (Both directions) - Including Port Access Road	8	8	64000	
12	Salt	N29	Slievevea Roundabout to Lufflenny Roundabout (including Roundabouts)	1	8	8000	
13	Salt	N25	Lufflenny Roundabout to Rosbercon N25/R704 Junction	15.2	8	121600	
14	Drive	N30/N25	County Bounds on N25 to Ferrybridge	8.4	8	0	
15	Salt	R700	Ferry Bridge N30 to Thomastown R448/R700 Junction	21.7	8	173600	
16	Salt	R448	Low Street	0.1	8	800	
17	Drive	R448	Market Street, Pipe Street & Lady's Well Street To Area Office	0.7	8	0	
18	Salt	R700/R448	Area Office to Thomastown R448/R700 Junction	0.6	8	4800	
19	Drive	R448	Low Street, Market Street, Pipe Street & Lady's Well Street To Area Office	0.8	8	0	
20	Salt	R700	Thomastown R448/R700 Junction to Bennetsbridge Roundabout	15.2	8	121600	
21	Drive		Machinery Yard to Bennetsbridge Road Roundabout	3.2	8	0	
			Total distance travelled	148.3			
			Total distance salted	107.2		857800	
Area also salted by PPP Company							



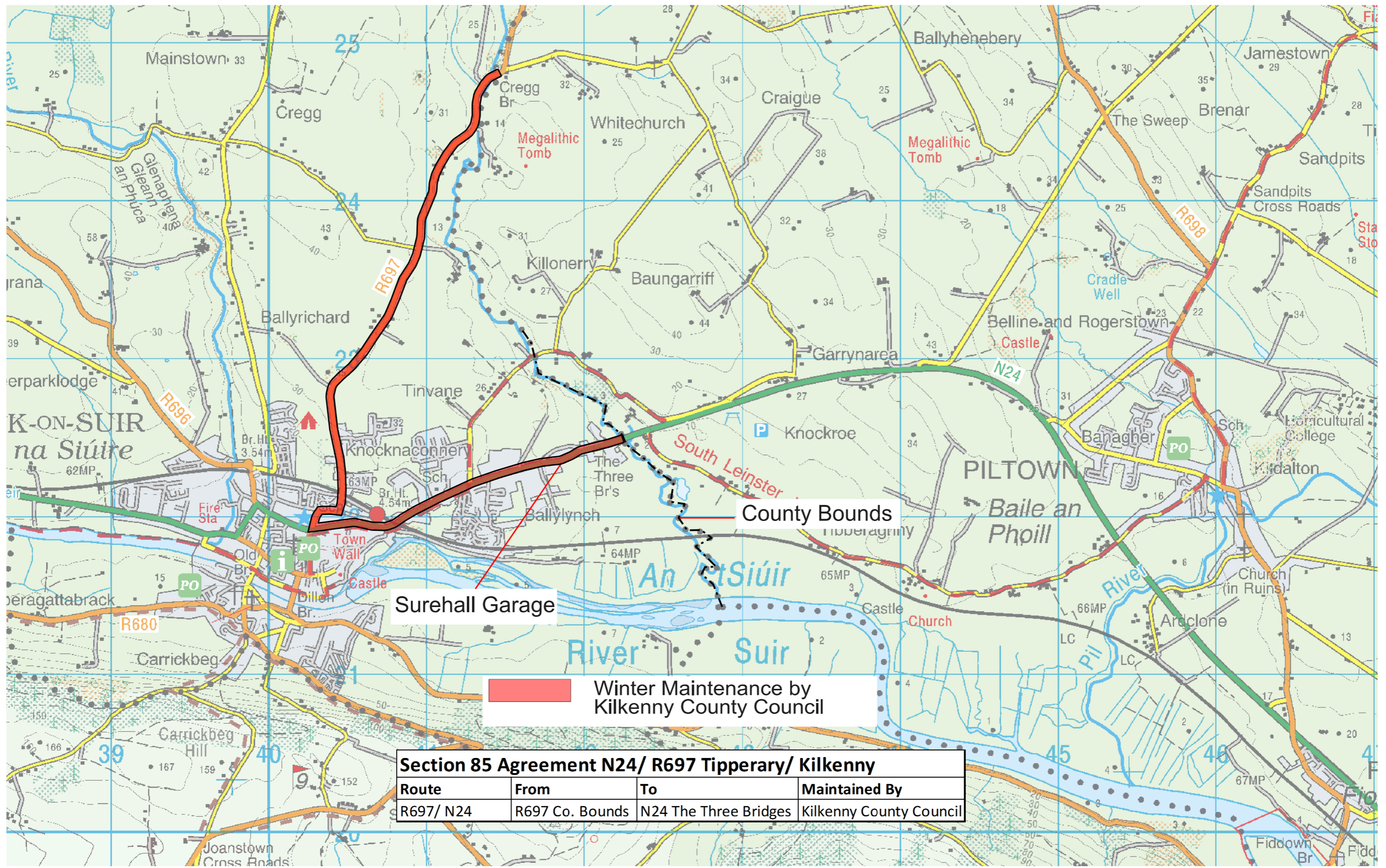
ROAD DESIGN SECTION,
1 DEAN STREET
KILKENNY.

Rev	By	Date	Description
			Tender Issue

Project:	KCC Salting Routes		
Component:	Winter Service Plan		
Title:	Route C - N10,R700,R704 & N25		
Designed By:	SA	File Name:	
Drawn By:	HS	Scale:	NTS
Checked By:	SW	Date:	October 2015
Drawing No.:	KCC-WMP1&2-03		

Appendix 2 - Priority 3

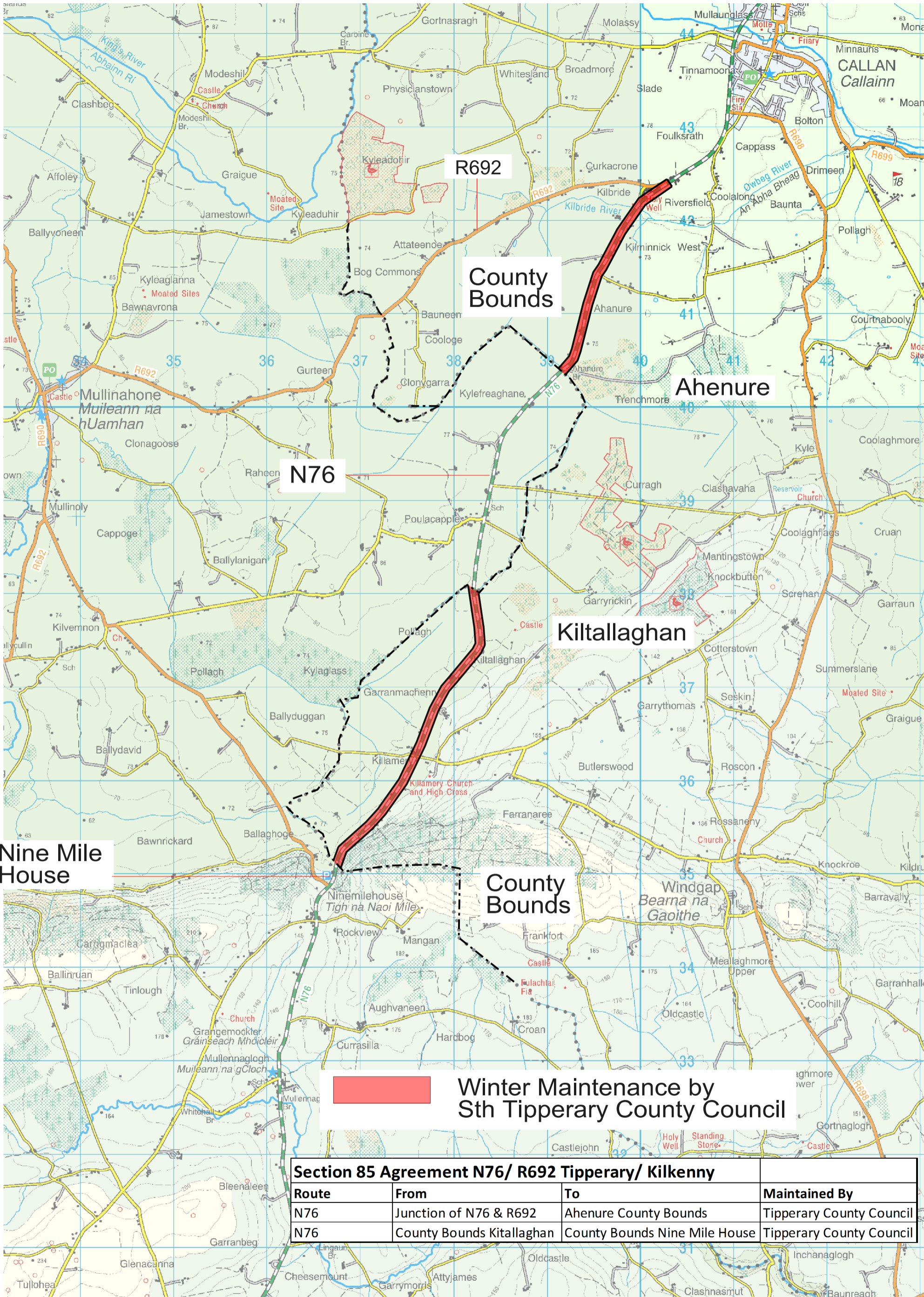
Treatment Routes



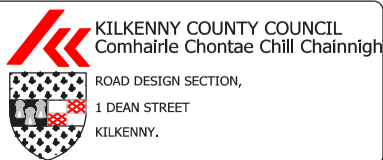
KILKENNY COUNTY COUNCIL
Comhairle Chontae Chill Chainnigh
ROAD DESIGN SECTION,
1 DEAN STREET
KILKENNY.

Rev	By	Date	Description

Project: KCC Salting Routes	
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
Drawing No. KCC-WM-05	



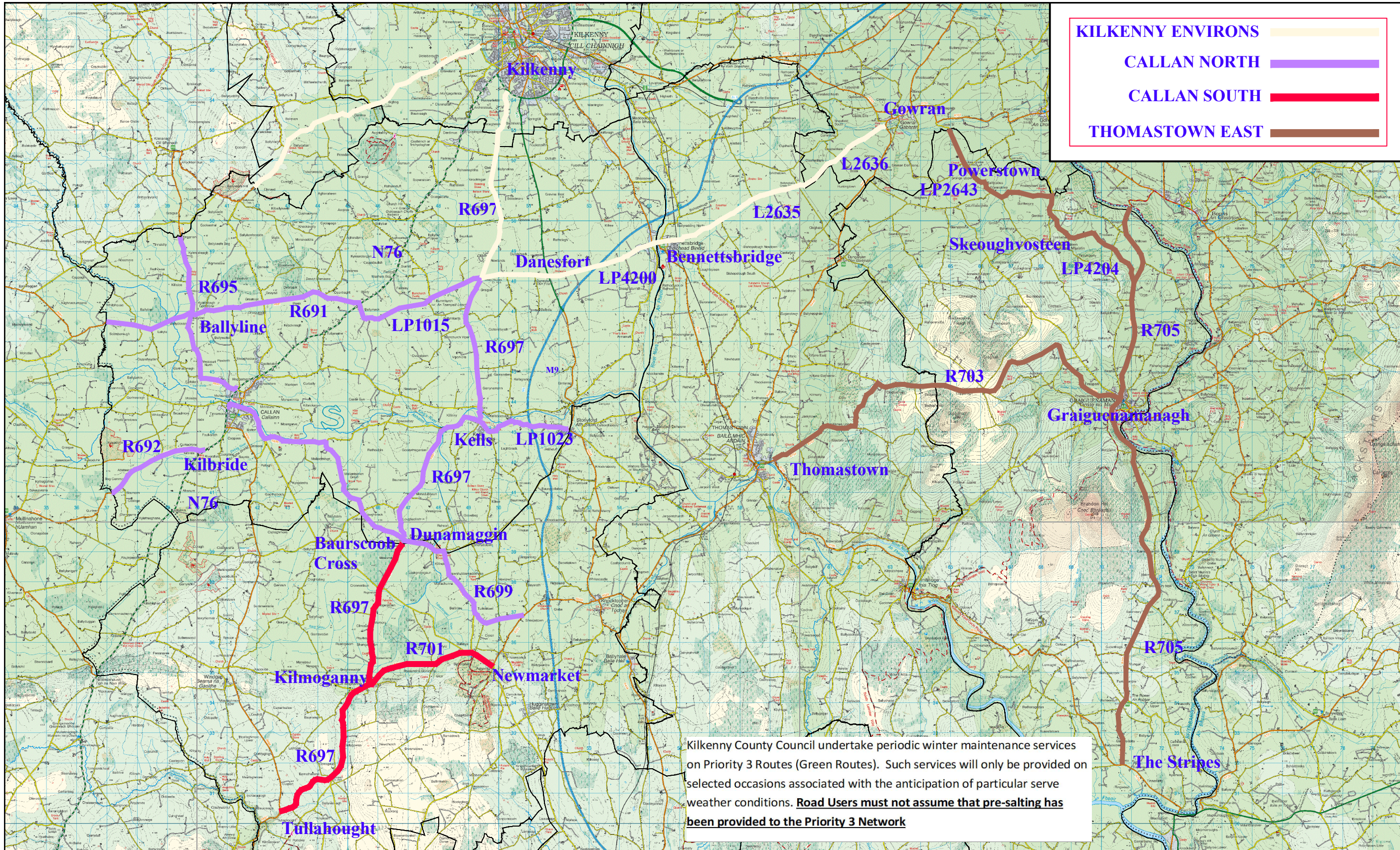
Section 85 Agreement N76/ R692 Tipperary/ Kilkenny			
Route	From	To	Maintained By
N76	Junction of N76 & R692	Ahenure County Bounds	Tipperary County Council
N76	County Bounds Kiltallaghan	County Bounds Nine Mile House	Tipperary County Council



Rev	By	Date	Description

Project:	KCC Salting Routes		
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
		Drawing No.:	KCC-WM-08

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



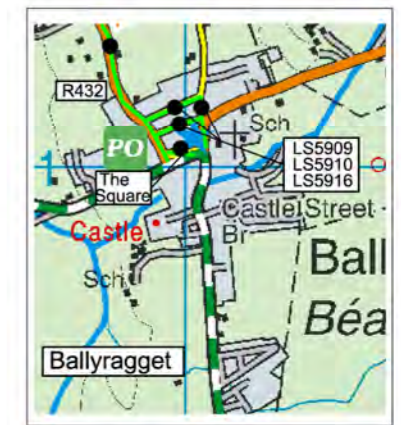
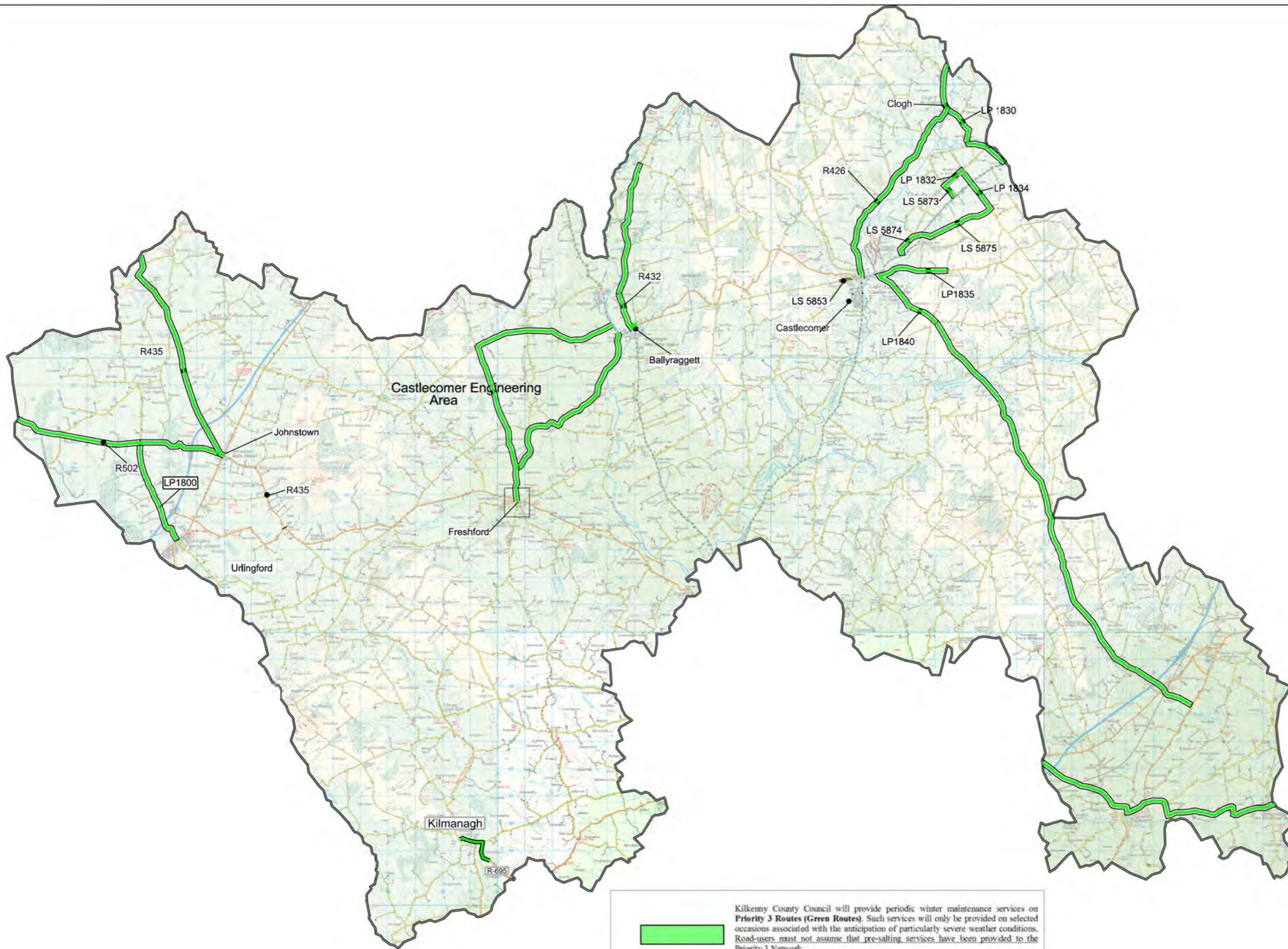
KILKENNY ENVIRONS	
CALLAN NORTH	
CALLAN SOUTH	
THOMASTOWN EAST	


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 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.

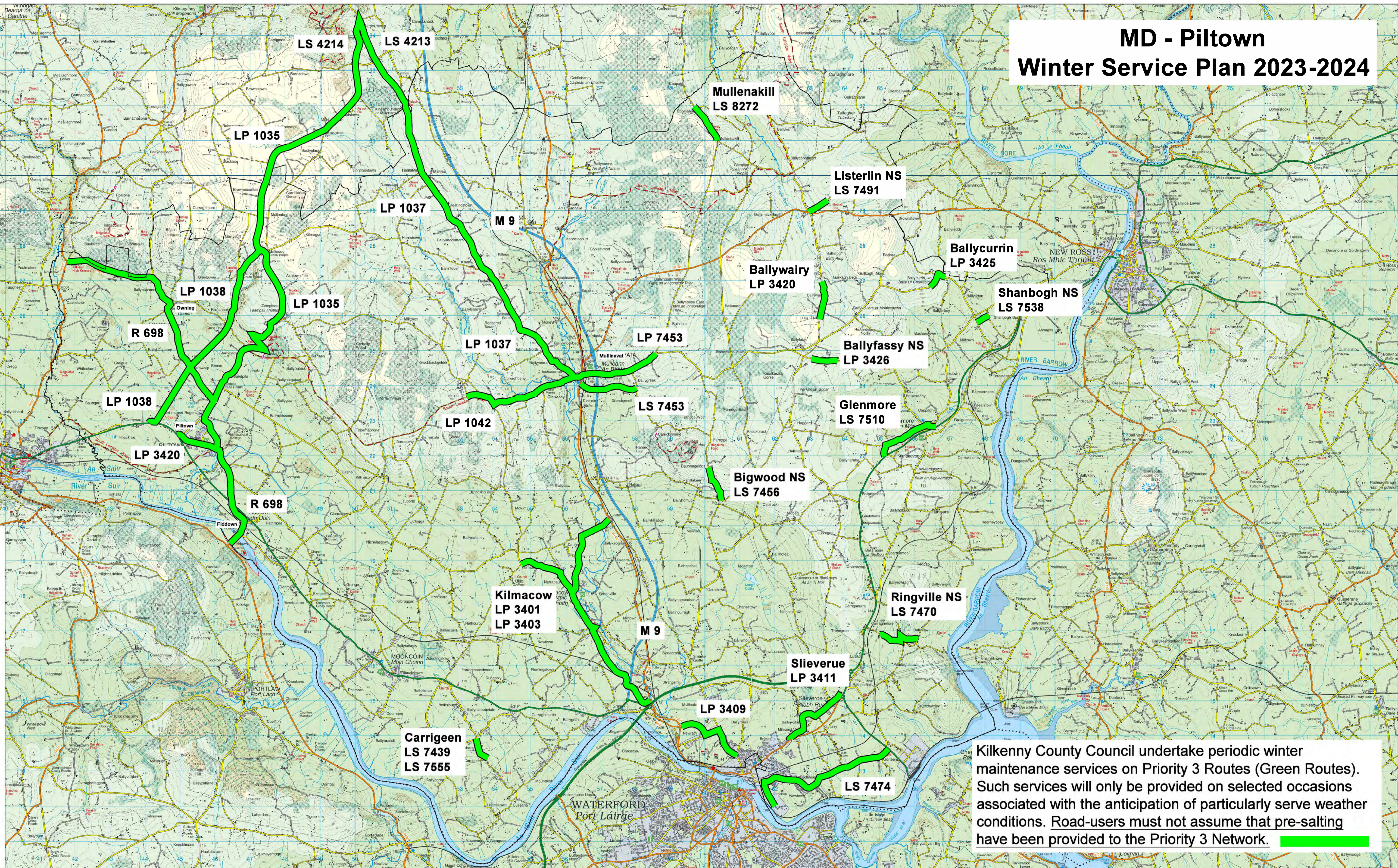


KILKENNY COUNTY COUNCIL
 Comhairle Chontae Chill Chainnigh
 ROAD DESIGN SECTION,
 1 DEAN STREET
 KILKENNY.

Rev	By	Date	Description

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

MD - Piltown Winter Service Plan 2023-2024



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.

Rev	By	Date	Description

Rev	By	Date	Description

Project: KK Salting Routes	
Component: Winter Maintenance	
Title: Priority 3 Routes Piltown Area	
Designed By:	File Name:
Drawn By: JT	Scale: NTS
Checked By: SC	Date: October 2023
Drawing No. KKC-WMP3-2023020	