

# Hartlepool Borough Council

Winter Maintenance Plan – Section C Service Delivery



Latest Revision – October 2023

## Document Updates

Date	Change Information	Officer
08/11/2023	Update Cold Route	SA/RV

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# Introduction

**Section A - Winter Service Policy and Priorities** sets the broad objectives, priorities and resource parameters. The Policy is reviewed infrequently, in the context of corporate management reviews.

**Section B - Winter Service Planning and Preparation** is dynamic and interactive. It must respond to changing circumstances, and is reviewed annually in consultation with a wide range of stakeholders. It defines the procedures for dealing with the Winter Service in Hartlepool. It details the planned and co-ordinated response to Winter Service requirements.

On receipt of an adverse weather forecast the Duty Officer will put the plan into operation in accordance with **Section C – Service Delivery**.

## Scope of the Winter Services

Winter Services are provided on a pre-defined network of carriageway routes on a hierarchical basis. Winter Services are also provided in pay and display car parks and if necessary, on some high amenity footways.

The most important carriageway routes are classified as First Priority routes. The rest of the carriageways that have been selected for treatment are classified as Second Priority routes. Treatment of both First and Second Priority routes is carried out at any time in response to forecasts, but Second Priority routes are only treated after successful treatment of First Priority routes.

## Range of Responses

The variable nature of winter conditions gives rise to the need to plan a range of responses appropriate to the prevailing weather. This plan defines a hierarchy of three types of response to likely conditions. It is important to recognise the fundamental differences between these three main components of the Winter Service:-

- **Pre-treatment – “precautionary” salting** - to prevent ice from forming. This is the principal and first stage Winter Service activity and is actioned in response to adverse weather predictions from the Forecast provider. It is by far the most frequent activity of the Winter Service
- **Post-treatment – salting following the formation of ice** - to melt ice and snow already formed. This is the second stage response to adverse weather conditions.

Should the first stage precautionary salting fail to adequately deal with the conditions, post-salting will be carried out continuously until the conditions recede.

- **Clearance of snow** - removal of snow greater than 30mm in depth. This is the third stage response and will be implemented only in exceptional snowfall conditions. During and immediately after heavy snowfall, snow clearance operations will be carried out on the 1<sup>st</sup> Priority routes only. Once the 1<sup>st</sup> Priority routes are clear, snow clearance operations will commence on 2<sup>nd</sup> priority snow clearance routes. Post salting will be carried out concurrently with snow clearance operations.

## **Winter Service Operational Details**

### **Duty Officers**

The Transport and Infrastructure Manager has overall responsibility for the delivery of the Winter Service. The service will consist of four Duty Officers and a team of Operatives operating on a four week rota system.

Any changes necessary to the rota due to illness, holidays etc will be notified in writing to the Forecast Service Provider.

Extensions to Duty Officer operations and Standby will be reviewed in mid to late March, annually, in the light of weather trends and forecasts.

On receipt of an adverse weather forecast the **Duty Officer** determines the type of treatment to apply and the optimum time to commence in accordance with the “**Decision Making Procedure**” on pages 10 – 11 of the **Winter Service Operational Plan - Section B** and instigates action in accordance with the guidance given in “**Decision Making**

**Responsibilities of the Duty Officer**” on pages 8 – 9 of the **Winter Service Operational Plan - Section B**.

The Service Delivery Team operate on a 24 hour standby basis over the same period as the Duty Officers. Any necessary rota variations must be notified to the Duty Officer before commencement of the duty period.

The role of the Service Delivery Team does not include operational decision-making. This is the sole domain of the Duty Officer. There are occasions however, when recommendations will be required following on-site inspections. In this role, members of the Service Delivery Team are acting as the “eyes” of the Duty Officer. If a member of the Service Delivery Team considers that alternative action is appropriate either through local knowledge or following receipt of a request from another source, a variation must be requested from the Duty Officer.

The Duty Officer will supervise on-site operations.

The Service Delivery Team can only accept instructions from the Duty Officer (or in office hours his representative). Should the Service Delivery Team have any concerns or requests for action from another source, the Duty Officer must be contacted for instruction on any appropriate action.

Any Duty Officer that receives such a request must ascertain the status and name of the person making such a request in order that any appropriate follow-up action can be taken.

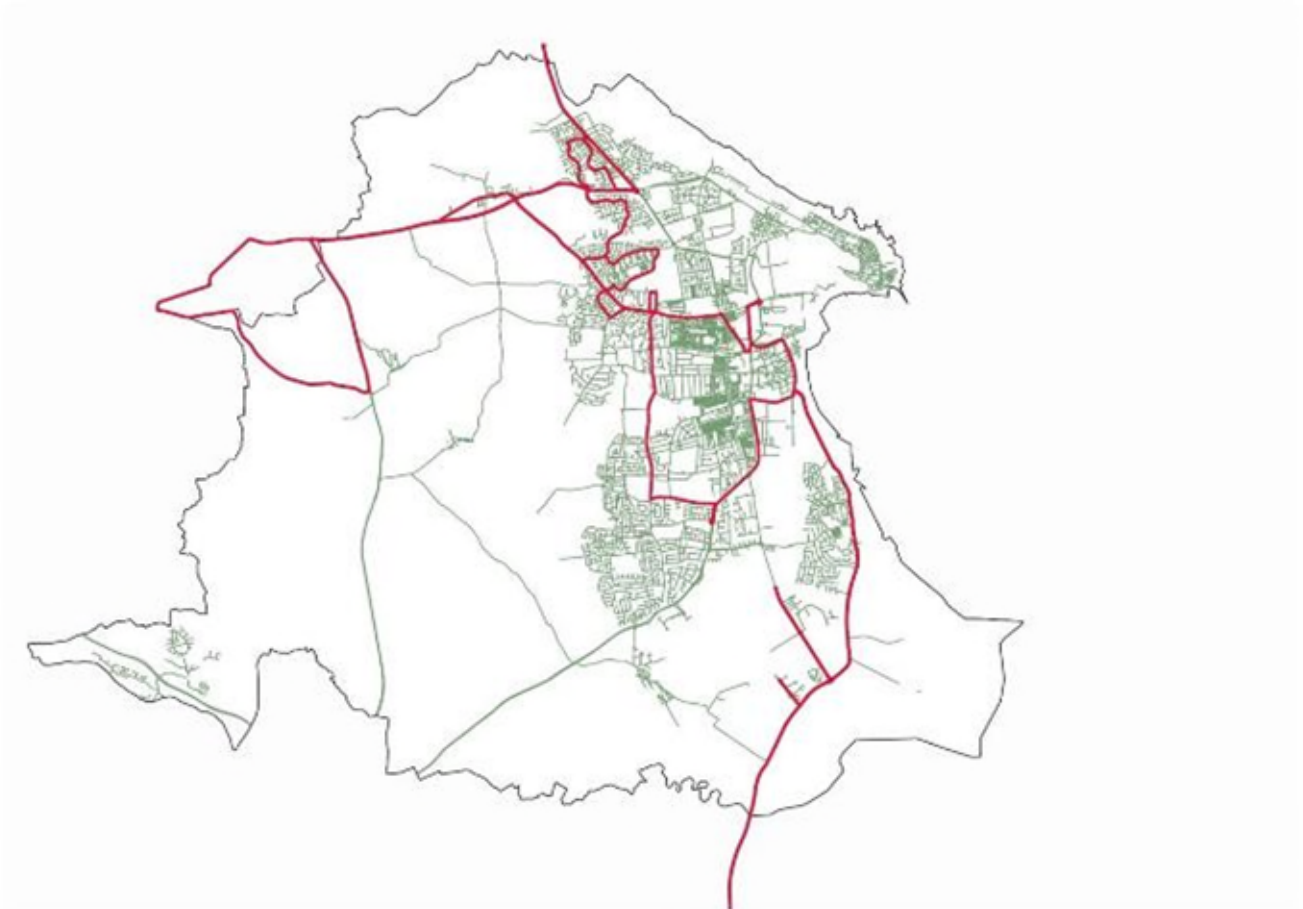
During severe conditions, eg continuous heavy snowfall, the Duty Officer may vary the manning shifts to include night shifts or 24 hour manning arrangements. These arrangements may be continued until such conditions subside and First Priority Salting routes are cleared.

On each morning of the defined winter season, the Duty Officer will record on a written report all action undertaken. "No action" reports are submitted when appropriate.

## **Winter Services on Carriageways**

Winter Service operations are carried out at any time necessary and precautionary treatment is delivered over the following network of routes:-

### **First Priority Carriageway Route 1**



## First Priority Carriageway Route 1

<p><b>Run 1, Segment 1</b> Brenda Road</p>	<p><b>- Gritting (-.-km)</b> From Salt Barn</p>	<p>Exit Salt Barn To Tofts road r/b</p>	<p>Turn Left Straight</p>
<p><b>Run 1, Segment 2</b> Brenda Road Tees Road Tees Road Graythorpe Spine Road Graythorpe Spine Road Tees Road The Front,The Cliffe and Coronation Drive Mainsforth Terrace Burn Road Belle Vue Way Rossmere Way</p>	<p><b>- Gritting (7.806km)</b> From Tofts Road e/b From Brenda Road From A1185 Seal Sands r/b From Tees Road From Hammerhead From Graythorpe Spine Road Via  From Coronation Drive From Mainsforth Terrace From Burn Road From Belle Vue Way</p>	<p>To Tees Road r/b To A1185 Seal Sands r/b To Graythorpe Spine Road To Hammerhead To Tees Road  To Mainsforth Terrace To Burn Road To Belle Vue Way To Rossmere Way To Belle Vue Way</p>	<p>Turn Right Turn Left Turn Left U - Turn Turn Left  Turn Left Turn Right Turn Left Turn Right Turn Left</p>
<p><b>Run 1 Segment 3</b> Stockton Road</p>	<p><b>Travelling</b> From Rossmere Way</p>	<p>To Brierton Lane</p>	<p>Turn Left</p>
<p>Run1 Segment 4 Brierton Lane Catcote Road Elwick Road Wooler Road Serpentine Road Hart Lane A179 Hart Road Bamburgh Road Westwood Way Woodstock Way Clavering Road A179 Hart Road Easington Road Easington Road</p>	<p>-Gritting (-.-Km) From Belle Vue Way From Brierton Lane From Catcote Road From Elwick Road From Wooler Road From Serpentine Road From Hart Lane r/b From A179 Hart Road From Bamburgh Road From Westwood Way From Woodstock Way From Clavering Road From A179 Hart Road From Crimdon Leisure Park</p>	<p>To Catcote Road To Elwick Road To Wooler Road To Serpentine Road To Hart Lane To A179 Hart Road r/b To Bamburgh Road r/b To Westwood Way To Woodstock Way To Clavering Road To A179 Hart Road To Easington Road r/b To Crimdon Leisure Park To A179 Hart Road</p>	<p>Turn Right Straight Straight Straight Turn Left Turn Right Turn Left Turn Left Turn Right Turn Right Turn Left Turn Left U - Turn Turn Right</p>

A179 Hart Road	From Easington Road	To A19 Flyover	Straight
<b>*Run 1 Segment 5 B1280 Hurworth Burn Road</b>	<b>-Travelling From A19 Flyover From B1280</b>	<b>To Hurworth Burn Road To Coal Lane</b>	<b>Turn Left Turn Left</b>
<b>Run 1 Segment 6 Coal Lane</b>	<b>-Gritting From Hurworth Burn Road To A19</b>		<b>Turn Left</b>
<b>Run 1 Segment 7 A19</b>	<b>-Travelling From Coal Lane</b>	<b>To A19 Flyover</b>	<b>Turn Right</b>
Run 1 Segment 8 A179 Hart Road Road thro' Hart Village	-Gritting From A19 Flyover From Hart Village r/b	To Hart Village r/b To A179 (nr High Volts Farm)	Turn Left Turn Left
<b>Run 2, Segment 9 A179 Hart Road</b>	<b>- Travelling (1.254km) From Rd thro' Hart Village</b>	<b>To Hart Village r/b</b>	<b>Turn Right</b>
<b>Run 2, Segment 10</b> Hart Lane Merlin Way Merlin Way Merlin Way Merlin Way Hart Lane Tarnston Road	<b>- Gritting (2.524km)</b> From A179 Hart Road From Hart Lane From Bluebell Way r/b From Clavering Road r/b From Bluebell Way r/b From Merlin Way From Hart Lane	To Merlin Way r/b To Bluebell Way r/b To Clavering Rd r/b To Bluebell Way r/b To Merlin Way r/b To Tarnston Road To Dunston Road	Turn Left Straight U-turn Straight Turn Left Turn Right Turn Left
<b>Run 2, Segment 11</b> Dunston Road Hart Lane	<b>- Travelling (0.589km)</b> From Tarnston Road From Dunston Road r/b	<b>To Hart Lane r/b To Hart/Wiltshire Junction</b>	<b>Turn Left Turn Right</b>



<b>Run 2, Segment 12</b>	<b>- Gritting (1.192km)</b>		
Wiltshire Way	From Hart Lane	To Throston Grange Lane	Turn Right
Wiltshire Way	From Wilt\Throst Gr Junc	To Thr Gr Ln (nr Easington Rd)	Turn Left

<b>Run 2, Segment 13</b>	<b>-Travelling (0.744km)</b>		
<b>Throston Grange Lane</b>	From Wilt (nr Easington Rd)	To Falcon Road	Turn Right

<b>Run 2, Segment 14</b>	<b>- Gritting (1.788km)</b>		
Falcon Road	From Throston Grange Lane	To Moorhen Road	Turn Left
Moorhen Road	From Falcon Road	To Merlin Way	Turn Right

**Run 2, Segment 15** - Travelling (-.-km)

<b>Merlin Way</b>	<b>From Moorhen Road</b>	<b>To Merlin Way R'bout</b>	<b>Turn Left</b>
Hart Lane	Merlin Way	To Wiltshire Way	Straight

<b>Run 2, Segment 16</b>	<b>- Gritting (3.315km)</b>		
Hart Lane	From Wiltshire Way	To Thornhill Gardens	Turn Left
Thornhill Gardens	From Hart Lane	To Elmwood Road	Turn Left
Elmwood Road	From Thornhill Gardens	To Ryehill Gardens	Turn Left
Ryehill Gardens	From Elmwood Road	To Hart Lane	Turn Left
Hart Lane	From Ryehill Gardens	To Raby Road	Turn Right
Raby Road	From Hart Lane	To Swainson Street	Turn Right
Swainson Street	From Raby Road	To Victoria Road	Turn Left
Victoria Road	From Swainson Street	To Stockton Street	Turn Left
Marina Way	From Victoria Road	To Clarence Road	Turn Left
Clarence Road	From Marina Way	To Middleton Road	Turn Right

**Run 2, Segment 17 - Travelling (0.984km)**

Middleton Road	From Clarence Road	Marina Way	U-Turn
Middleton Road	From Marina Way	To Clarence Road	Turn Left
Clarence Road	From Middleton Road	To Museum Road	Turn Right

**Run 2, Segment 18 - Gritting (0.176km)**

Clarence Road	From Museum Road	To Marina Way	Straight
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**Run 2, Segment 19 - Travelling (0.390km)**

Marina Way	From Clarence Road	To Church Street	Turn Left
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**Run 2, Segment 20 - Gritting (1.715km)**

Church Street	From Marina Way	To Mainsforth Terrace	Turn Right
Mainsforth Terrace	From Church Street	To Newburn Bridge	Turn Left
Coronation Drive	From Mainsforth Terrace	Via The Cliff, The Front, Tees Rd	Turn Right
		To Brenda Road	
Brenda Road	Tees Road r/b	Tofts Road r/b	Turn Right

**Run 1 Segment 21**

Brenda Road	From Toft Road r/b	To Salt Barn	
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End Run1

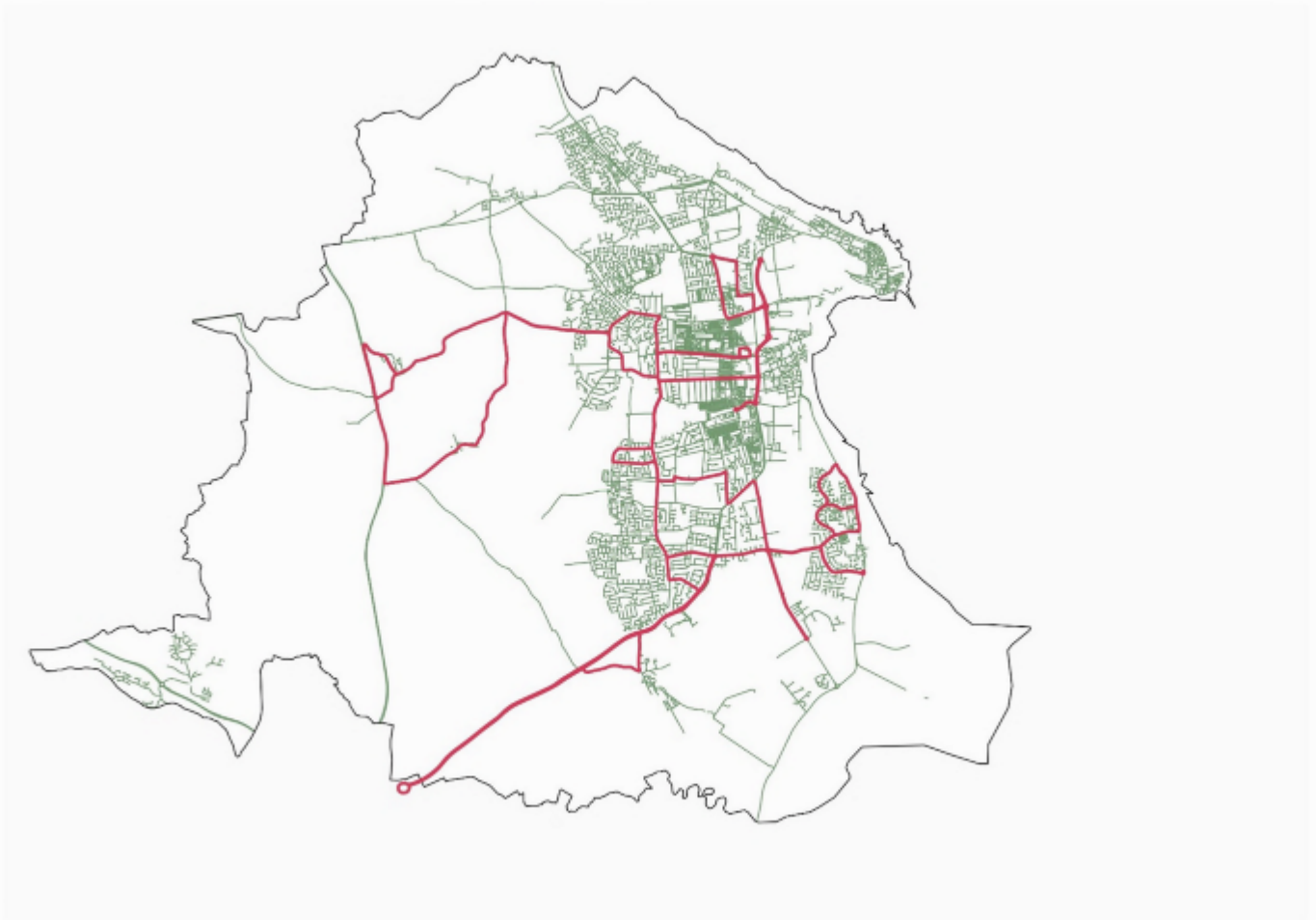
Total Gritting Length = 56.027km

Total Travel length = 4.956km

Total Route Length = 60.983



## First Priority Carriageway Route 2



## First Priority Carriageway Route 2

### **Run 1, Segment 1 – Gritting**

Brenda Road	From Depot
Brenda Road	From Toft Farm r/b
Seaton Lane	From Brenda Road
Station Lane	From Seaton Lane

<b>Exit Salt Barn</b>
To Tofts Farm R/b
To Seaton Lane r/b
To Station Lane
To The Front

<b>Turn Left</b>
U-Turn
Turn Right
Straight
Turn Left

### **Run 1, Segment 2 - Travelling (1.082km)**

<b>The Front</b>	<b>From Station Lane</b>	<b>To Warrior Drive</b>
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**Turn Left**

**Run 1, Segment 3 - Gritting (1.245km)**

Warrior Drive	From The Front	To Queen Street	Turn Left
Queen Street	From Warrior Drive	To The Front	Turn Left

**Run 1, Segment 4 - Travelling (1.458km)**

<i>The Front</i>	<i>From Queen Street</i>	<i>To Warrior Drive</i>	<i>Turn Left</i>
<i>Warrior Drive</i>	<i>From The Front</i>	<i>To Queen Street</i>	<i>Straight</i>

**Run 1, Segment 5 - Gritting (2.433km)**

Warrior Drive	From Queen Street	To Station Lane	Turn Right
Station Lane	From Warrior Drive	To Elizabeth Way	Turn Left
Elizabeth Way	From Station Lane	To Tees Road	U - Turn

**Run 1, Segment 6 - Travelling (0.859km)**

<i>Elizabeth Way</i>	<i>From Tees Road</i>	<i>To Station Lane</i>	<i>Turn Left</i>
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**Run 1, Segment 7 - Gritting (1.943km)**

Station Lane	From Elizabeth Way	To Seaton Lane	Straight
Seaton Lane	From Station Lane	To Brenda Road r/b	Turn Right
Brenda Road	From Seaton Lane r/b	To Belle Vue Way r/b	Turn Left

**Run 1, Segment 8 - Travelling (0.499km)**

<i>Belle Vue Way</i>	<i>From Brenda Road r/b</i>	<i>To C153 Stockton Road</i>	<i>Turn Right</i>
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**Run 1, Segment 9 - Gritting (1.615km)**

C153 Stockton Road	From Belle Vue Way	To Westbrooke Avenue	Turn Left
Westbrooke Avenue	From C153 Stockton Road	To Kingsley Avenue	Turn Left
Kingsley Avenue	From Westbrooke Avenue	To Tynebrooke Avenue	Turn Right
Tynebrooke Avenue	From Kingsley Avenue	To Catcote Road	Turn Right

**Run 1, Segment 10 - Travelling (0.269km)**

<i>Catcote Road</i>	<i>From Tynebrooke Avenue</i>	<i>To Marlowe Road</i>	<i>Turn Left</i>
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**Run 1, Segment 11 - Gritting (1.392km)**

Marlowe Road	From Catcote Road	To Masefield Road	Turn Right
Masefield Road	From Marlowe Road	To Catcote Road	Turn Left

**Run 1, Segment 12 - Travelling (1.026km)**

<i>Catcote Road</i>	<i>From Masefield Road</i>	<i>To Elwick Road</i>	<i>Straight</i>
<i>Elwick Road</i>	<i>From Catcote Road</i>	<i>To Park Road</i>	<i>Turn Right</i>

**Run 1, Segment 13 - Gritting (4.867km)**

Park Road	From Elwick Road	To Stockton Street	Turn Left
Stockton Street	From Park Road	To Marina Way	Straight
Marina Way	From Stockton Street	To Cleveland Road r/b	U - Turn
Marina Way	From Cleveland Road r/b	To Middleton Road r/b	Turn Right
Middleton Road	From Marina Way	To Raby Road	Turn Right

**Run 1, Segment 14 - Travelling (1.396km)**

<i>Raby Road</i>	<i>From Middleton Road</i>	<i>To Powlett Road</i>	<i>Turn Right</i>
<i>Powlett Road</i>	<i>From Raby Road</i>	<i>To Milbank Road</i>	<i>Turn Right</i>

**Run 1, Segment 15 - Gritting (4.011km)**

Milbank Road	From Powlett Road	To Brougham Terrace	Turn Left
Brougham Terrace	From Milbank Road	To Lancaster Road	Turn Right
Lancaster Road	From Brougham Terrace	To Middleton Road	Turn Left
Middleton Road	From Lancaster Road	To Marina Way r/b	Turn Right
Marina Way	From Middleton Road r/b	To Stockton Street	Straight
Stockton Street	From Marina Way	To Stranton	Straight

Stranton	From Stockton Street	To Burn Road r/b	Turn Right
Burn Road	From Stranton r/b	To York Road r/b	U - Turn
A689 Stranton	From Burn Road	To Park Road	Turn Left
Park Road	From A689 Stranton	To Elwick Road	Turn Right
Elwick Road	From Park Road	To Elwick Road	Turn Left
Elwick Road	From Elwick Rd/Wooler Rd	To North Lane	Turn Right
North Lane	From Elwick Road	To A19	Turn Left

**Run 1, Segment 16 - Travelling (0.807km)**

*A19 From North Lane To Church Bank Turn Left*

**Run 1, Segment 17 - Gritting (0.572km)**

Church Bank From A19 To North Lane Turn Left

**Run 1, Segment 18 - Travelling (2.859km)**

*North Lane From Church Bank To A19 Turn Left*

*A19 From North Lane To Dalton Lodge Turn Left*

**Run 1, Segment 19 - Gritting (6.207km)**

Dalton Piercy Road	From A19	To C160 Elwick Road	Turn Right
C160 Elwick Road	From Dalton crossroads	To Dunston Road r/b	Turn Left
Dunston Road	From Elwick Road	To Hart Lane	Turn Right

**Run 1, Segment 20 - Travelling (0.466km)**

*Hart Lane From Dunston Road r/b To Serpentine Road Turn Right*

**Run 1, Segment 21 - Gritting (0.589km)**

Serpentine Road	From Hart Lane	To Wooler Road	Straight
Wooler Road	From Serpentine Road	To Grange Road	Turn Left

***Run 1, Segment 22 - Travelling (3.314km)***

<b><i>Grange Rd</i></b>	<b><i>From Wooler Road</i></b>	<b><i>To Victoria Road</i></b>	<b><i>Straight</i></b>
<b><i>Victoria Road</i></b>	<b><i>From Grange Rd</i></b>	<b><i>To Avenue Road</i></b>	<b><i>Turn Left</i></b>
<b><i>Avenue Road</i></b>	<b><i>From Victoria Road</i></b>	<b><i>To Raby Road</i></b>	<b><i>Turn Right</i></b>
<b><i>Raby Road</i></b>	<b><i>From York Road</i></b>	<b><i>To Swainson Street</i></b>	<b><i>Straight</i></b>
<b><i>Swainson St</i></b>	<b><i>From Raby Road</i></b>	<b><i>To Victoria Road</i></b>	<b><i>Turn Right</i></b>
<b><i>Victoria Road</i></b>	<b><i>From Swainson St</i></b>	<b><i>To York Road</i></b>	<b><i>Straight</i></b>

*End run 1*



**Run 2, Segment 1 - Gritting (6.199km)**

Victoria Road	From York Road Junction	To Grange Road	Straight
Grange Road	From Victoria Road	To Wooler Road	Turn Left
Wooler Road	From Grange Road	To Elwick Road	Straight
Elwick Road	From Wooler Road	To Catcote Road	Straight
Catcote Road	From Elwick Road	To Owton Manor Lane	Turn Left
Owton Manor Lane	From Catcote Road	To Stockton Road	Turn Right
Stockton Road	From Owton Manor Lane	To Truro Drive	Turn Right
<b>Truro Drive</b>	<b>From Stockton Road</b>	<b>To Catcote Road</b>	<b>Turn Right</b>

**Run 2, Segment 2 - Travelling (0.664km)**

<i>Catcote Road</i>	<i>From Truro Drive</i>	<i>To Owton Manor Lane</i>	<i>Turn Right</i>
<i>Owton Manor Lane</i>	<i>From Catcote Road</i>	<i>To Stockton Road r'bout</i>	<i>Turn Right</i>
<i>Stockton Road</i>	<i>From Owton Manor Lane</i>	<i>To Truro Drive</i>	<i>Straight</i>

**Run 2, Segment 3 - Gritting (4.514km)**

A689 Stockton Road	From Truro Drive	To Second Greatham Junction	Turn Left
Unclassified Road	From A689 Stockton Road	To Greatham High Street	Turn left
<b>Greatham High Street</b>	<b>From Unclassified Road</b>	<b>To A689 Stockton Road</b>	<b>Turn Left</b>

**Run 2, Segment 4 - Travelling (0.960km)**

<i>A689 Stockton Road</i>	<i>From Greatham High Street</i>	<i>To Second Greatham Junction</i>	<i>Straight</i>
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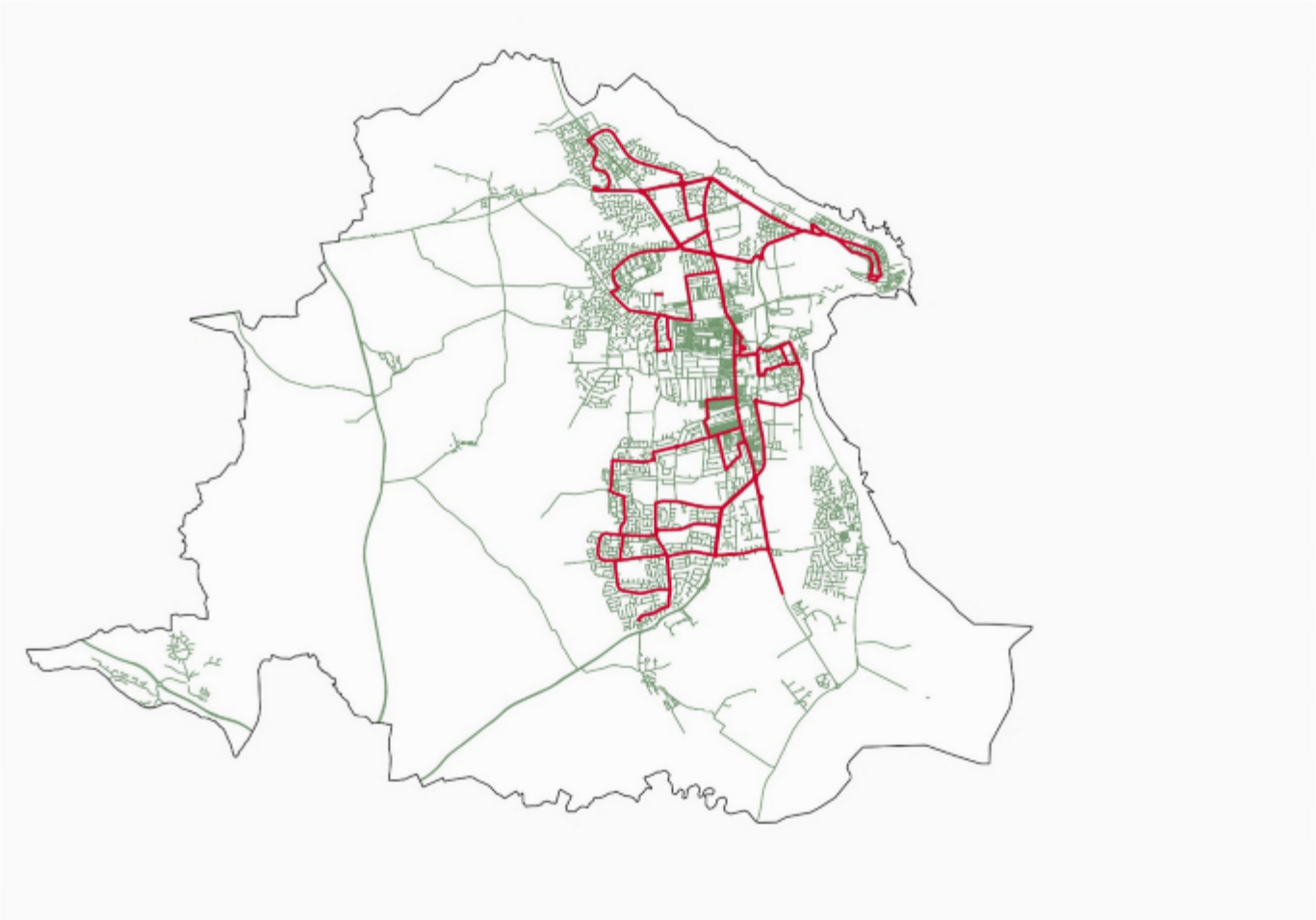
**Run 2, Segment 5 - Gritting (16.895km)**

A689 Stockton Road	From Second Greatham Junc	To A1185 Wolviston r/b	U - Turn
A689 Stockton Road	From A1185 Wolviston r/b	To Seaton Lane r/b	Turn Right
Seaton Lane	From Stockton Road	To Brenda Road	Turn Right
Brenda Road	From Seaton Lane	To Depot	Turn Left

End run 2

Total Gritting Length =	61.076 km
<i>Total Travel length =</i>	<i>20.326 km</i>
Total Route Length =	81.402 km

**First Priority Carriageway Route 3**



## First Priority Carriageway Route 3

<p><b>Run 1 Segment 1</b> Brenda Road</p>	<p><b>-Travelling (-.-Km) Exit</b> Salt Barn</p>	<p><b>To Usworth Road R/b</b></p>	<p><b>Straight</b></p>
<p><b>Run 1 Segment 2</b> Brenda Road Belle Vue Way</p>	<p><b>-Gritting (-.-Km)</b> Exit Salt Barn From Brenda Road</p>	<p><b>To Usworth Road R/b</b> <b>To Burn Road</b></p>	<p><b>Straight</b> <b>Turn Right</b></p>
<p><b>Run 1, Segment 3</b> Burn Road</p>	<p><b>- Travelling (0.-km)</b> From Belle Vue Way</p>	<p><b>Exit Depot</b> <b>To Mainsforth Terrace</b></p>	<p><b>Turn Left</b></p>
<p><b>Run 1, Segment 4</b> Mainsforth Terrace Church Street Marina Way</p>	<p><b>- Gritting (1.411km)</b> From Newburn Bridge From Mainsforth Terrace From Church Street</p>	<p>To Church Street To Marina Way To Victoria Road</p>	<p>Turn Left Turn Left Turn Right</p>
<p><b>Run 1, Segment 5</b> Victoria Road</p>	<p><b>- Travelling (0.220km)</b> From Marina Way</p>	<p><b>To Avenue Road</b></p>	<p><b>Turn Right</b></p>
<p><b>Run 1, Segment 6</b> Avenue Road Lauder Street Entrance to car park Avenue Road</p>	<p><b>- Gritting (0.293km)</b> From Victoria Road From Avenue Road From Lauder Street From Exit from car park</p>	<p>To Lauder Street To Rear entrance to Civic Centre To Exit from car park To Raby Road</p>	<p>Turn Right Turn Right Turn Right Turn Left</p>
<p><b>Run 1, Segment 7</b> Raby Road</p>	<p><b>- Travelling (0.370km)</b> From Avenue Road</p>	<p><b>To Hart Lane</b></p>	<p><b>Straight</b></p>
<p><b>Run 1, Segment 8</b> Raby Road Challoner Road Jesmond Gardens</p>	<p><b>- Gritting (1.512km)</b> From Hart Lane From Raby Road From Chatham Road</p>	<p>To Challoner Road To Jesmond Gardens To Hart Lane</p>	<p>Turn Left Turn Left Turn Right</p>
<p><b>Run 1, Segment 9</b> Hart Lane Serpentine Road Wooler Road Grange Road</p>	<p><b>- Travelling (0.345km)</b> From Jesmond Gardens From Hart Lane From Serpentine Road From Wooler Road</p>	<p><b>To Serpentine Road</b> <b>To Wooler Road</b> <b>To Grange Road</b> <b>To Granville Avenue</b></p>	<p><b>Turn Left</b> <b>Straight</b> <b>Turn Left</b> <b>Turn Left</b></p>
<p><b>Run 1, Segment 10</b> Granville Avenue Tunstall Avenue</p>	<p><b>- Gritting (0.81km)</b> From Grange Road From Granville Avenue From Tunstall Avenue</p>	<p>To Tunstall Avenue To Hart Lane To Serpentine Rd</p>	<p>Turn Left Turn Left Straight</p>

Hart Lane

16

18

**Run 1, Segment 11**

Hart Lane  
Wiltshire Way

**- Travelling (0.855km)**

From Serpentine Road  
From Hart Lane

To Wiltshire Way  
To Throston Grange Lane

Turn Right  
Turn Left

**Run 1, Segment 12**

Throston Grange Lane  
Easington Road Powlett  
Road  
Cleveland Road  
West View Road  
Old Cemetery Rd  
Old Cemetery Rd  
Old Cemetery Rd

**- Gritting**

From Wiltshire Way  
From Throston Grange Lane To  
From Easington Road From  
Marina Way r/b  
From Cleveland Road  
From Thorpe Street  
From Leas Grove  
From West View Rd

To Easington Road  
To Powlett Road  
To Cleveland Road r/b  
To West View Road  
To Thorpe Street  
To Leas Grove  
To West View R'bout  
To Leas Grove

Turn Right  
Straight  
Turn Left  
Straight  
Left  
Left  
U-Turn  
Right

**Run 1, Segment 13**  
Old Cemetery Road

-Travelling  
From Leas Grove

To Northgate

Left  
Turn Left  
Turn Right  
Straight

**Run 1, Segment 14**

Northgate  
Middlegate  
Town Hall Car Park  
St Mary Street  
High Street  
Northgate  
Middlegate  
Durham Street  
Northgate (approx 30m) St.

From Thorpe Street  
From Northgate  
From Middlegate  
From Town Hall Car Park  
From St Mary Street  
From High Street  
From Northgate  
From Middlegate  
From Junction with Durham

To Middlegate  
To Town Hall car park  
To St Mary Street  
To High Street  
To Northgate  
To Middlegate  
To Durham Street  
To Junction with Northgate  
To Junction with Durham Street

Turn Right  
Turn Right  
Turn Right  
Turn Left  
Turn Right  
Turn Right  
Turn Right  
Turn Right

Turn Right

Durham St (approx 40m) From Junction with Northgate To Junction with Northgate

*Straight  
Turn Right*

<b>Run 1, Segment 15</b>	<b>- Travelling (0.265km)</b>	
<i>Northgate</i>	<i>From Junc with Durham St.</i>	<i>To Thorpe Street</i>
<i>West View Road</i>	<i>From Thorpe Street</i>	<i>To Cleveland Road</i>
<i>Cleveland Road</i>	<i>From West View Road</i>	<i>To Marina Way r/b</i>

<b>Run 1, Segment 16</b>	<b>- Gritting (3.532km)</b>		
Powlett Road	From Marina Way r/b	To Easington Road	Straight
Easington Road	From Powlett Road	To West View Road r/b	U - Turn
Easington Road	From West View Road r/b	To Throston Grange Lane r/b	Straight

<b>Run 1, Segment 17</b>	<b>- Travelling (0.515km)</b>		
	<i>From Throston Grange Lane</i>		
<i>Easington Road</i>	<i>r/b</i>	<i>To Winterbottom Avenue</i>	<i>Turn Left</i>

<b>Run 1, Segment 18</b>	<b>- Gritting (6.617km)</b>		
Winterbottom Avenue	From Easington Road	To West View Road	Turn Left
West View Road	From Winterbottom Avenue	To Easington Road	U - Turn
West View Road	From Easington Road	To Cleveland Road	U - Turn
West View Road	From Cleveland Road	To Winterbottom Avenue r/b	Turn Left

<b>Run 1, Segment 19</b>	<b>- Travelling (0.500km)</b>		
<i>Winterbottom Avenue</i>	<i>From West View Road</i>	<i>To Warren Road</i>	<i>Turn Right</i>

<b>Run 1, Segment 20</b>	<b>- Gritting (4.55km)</b>		
Warren Road	From Winterbottom Avenue	To Davison Drive	Turn Right
Davison Drive	From Warren Road	To West View Road "D"	Turn Left
West View Road "D"	From Davison Drive, via the western junction with West View Road, the junction with King Oswy Drive, the eastern junction with West View Road and the junction with Davison Drive to King Oswy Drive		
King Oswy Drive	From West View Road "D"	To Easington Road	Straight
Woodstock Way	From King Oswy Drive	To Clavering Road	Turn Left
Clavering Road	From Woodstock Way	To Bamburgh Road	Straight
Bamburgh Road	From Clavering Road	To A179 Hart Road r/b	Turn Left
A179 Hart Road	From Bamburgh Road	To Clavering Road	Straight

<b>Run 1, Segment 21</b>	<b>- Travelling (1.330km)</b>		
<i>A179 Hart Road</i>	<i>From Clavering Road</i>	<i>To Easington Road</i>	<i>Turn Right</i>
<i>Easington Road</i>	<i>From West View Road r/b</i>	<i>To Holdforth Road</i>	<i>Turn Left</i>

<b>Run 1, Segment 22</b>	<b>- Gritting (0.495km)</b>		
Holdforth Road	From Easington Road	To Winterbottom Avenue	Turn Right

<b>Run 1, Segment 23</b>	<b>- - Trave Travelling (0.305km)ling (0.305km) )</b>		
<i>Winterbottom Avenue</i>	<i>From Holdforth Road</i>	<i>To Raby Road r/b</i>	<i>Straight</i>





<b>Run 1, Segment 24</b> Raby Road	<b>- Gritting (0.54km)</b> From Powlett Road r/b	To Chatham Road	Straight
<b>Run 1, Segment 25</b> <i>Raby Road</i>	<b>- Travelling (0.645km)</b> <i>From Chatham Road</i>	<i>To York Road</i>	<i>Turn Right</i>
<b>Run 1, Segment 26</b> York Road Victoria Road	<b>- Gritting (0.818km)</b> From Raby Road From York Road	To Victoria Road To Stockton Street	Turn Left Turn Right
<b>Run 1, Segment 27</b> <i>Stockton Street</i>	<b>- Travelling (0.285km)</b> <i>From Victoria Road</i>	<i>To Hucklehoven Way</i>	<i>Turn Left</i>
<b>Run 1, Segment 28</b> Hucklehoven Way	<b>- Gritting (0.697km)</b> From Stockton Street	To Mainsforth Terrace	Turn Left
<b>Run 1, Segment 29</b> <i>Mainsforth Terrace</i> <i>Church Street</i>	<b>- Travelling (0.435km)</b> <i>From Hucklehoven Way</i> <i>From Mainsforth Terrace</i>	<i>To Church Street</i> <i>To Lynn Street</i>	<i>Turn Left</i> <i>Turn Left</i>
<b>Run 1, Segment 30</b> Lynn Street	<b>- Gritting (0.32km)</b> From Church Street	To Hucklehoven Way	Turn Right
<b>Run 1, Segment 31</b> <i>Hucklehoven Way</i> <i>Stockton Street</i>	<b>- Travelling (0.795km)</b> <i>From Lynn Street</i> <i>From Hucklehoven Way</i>	<i>To Stockton Street r/b</i> <i>To Victoria Road</i>	<i>Turn Right</i> <i>Turn Left</i>
<b>Run 1, Segment 32</b> Victoria Road York Road	<b>- Gritting (1.176km)</b> From Stockton Street From Victoria Road	To York Road To Burn Valley r/b	Turn Left Turn Left

Run 2, Segment 1	- Gritting (2.747km)		
Stockton Road	From Burn Valley r/b	To Sydenham Road	Turn Right
Stockton Road	From Sydenham Road	To Caledonian Road r/b	Turn Right
Caledonian Road	From Stockton Road	To Oxford Road	Turn Left
Oxford Road	From Caledonian Road	To Shrewsbury Street	Turn Right
Shrewsbury Street	From Oxford Road	To Blakelock Road	Turn Right
Blakelock Road	From Shrewsbury Street	To Brinkburn Road	Turn Left
Brinkburn Road	From Blakelock Road	To Baden Street	Straight
Baden Street	From Brinkburn Road	To Elwick Road	Turn Right
<b>Run 2, Segment 2</b>	<b>- Travelling (1.390km)</b>		
<u>Elwick Road</u>	<u>From Baden Street</u>	<u>To Burn Valley r/b</u>	<u>Turn Right</u>
<u>Stockton Road</u>	<u>From Burn Valley r/b</u>	<u>To Sydenham Road</u>	<u>Straight</u>
<b>Run 2, Segment 3</b>	<b>- Gritting (1.803km)</b>		
Brenda Road	From Stockton Road	To Seaton Lane	Turn Right
<b>Run 2, Segment 4</b>	<b>- Travelling (0.740km)</b>		
<i>Seaton Lane</i>	<i>From Brenda Road</i>	<i>To Stockton Road</i>	<i>Turn Right</i>
<b>Run 2, Segment 5</b>	<b>- Gritting (1.563km)</b>		
Stockton Road	From Seaton Lane	To Belle Vue Way	Straight
Belle Vue Way	From Stockton Road	To Brenda Road r/b	U - Turn
<b>Run 2, Segment 6</b>	<b>- Travelling (0.625km)</b>		
<i>Belle Vue Way</i>	<i>From Brenda Road r/b</i>	<i>To Brierton Lane</i>	<i>Straight</i>
<b>Run 2, Segment 7</b>	<b>- Gritting (0.797km)</b>		
Stockton Road	From Belle Vue Way	To Owton Manor Lane r/b	Turn Right
Owton Manor Lane	From Stockton Road	To Catcote Road	Turn Left
Catcote Road	From Owton Manor Lane	To Mini Island at South end	U - Turn
Catcote Road	From Mini Island at South end	To Brierton Lane	Turn Right

<b>Run 2, Segment 8</b>	<b>- Travelling (1.290km)</b>		
Brierton Lane	From Catcote Road	To Stockton Road	Turn Right
Stockton Road	From Brierton Lane	To Rossmere Way	Turn Right

<b>Run 2, Segment 9</b>	<b>- Gritting (3.261km)</b>		
Rossmere Way	From Stockton Road	To Catcote Road	Turn Left
Catcote Road	From Rossmere Way	To Wynyard Road	Turn Right
Wynyard Road	From Catcote Road	To Kilmarnock Road	Turn Left
Kilmarnock Road	From Wynyard Road	To Owton Manor Lane	Turn Right
Owton Manor Lane	From Kilmarnock Road	To Maxwell Road	Turn Left
Maxwell Road	From Owton Manor Lane	To Mowbray Road	Straight
Mowbray Road	From Maxwell Road	To Catcote Road	Turn Left

<b>Run 2, Segment 10</b>	<b>- Travelling (0.520km)</b>		
Catcote Road	From Mowbray Road	To Owton Manor Lane	Turn Left

<b>Run 2, Segment 11</b>	<b>- Gritting (2.99km)</b>		
Owton Manor Lane	From Catcote Road	To Wynyard Road	Straight
Wynyard Road	From Owton Manor Lane	To Eskdale Road	Turn Left
Eskdale Road	From Wynyard Road	To Brierton Lane	Turn Left
Brierton Lane	From Eskdale Road	To Masefield Road	Turn Right
Masefield Road	From Brierton Lane	To Marlowe Road	Turn Right

<b>Run 2, Segment 12</b>	<b>- Travelling (0.710km)</b>		
Marlowe Road	From Masefield Road	To Catcote Road	Turn Left
Catcote Road	From Marlowe Road	To Oxford Road	Turn Right

<b>Run 2, Segment 13</b>	<b>- Gritting (1.415km)</b>		
Oxford Road	From Catcote Road	To Stockton Road	Turn Right

*Route ended – Travel to Depot or Secondary Route 2*

***Run 2, Segment 14 - Travelling (-.-km)***

<i>Stockton Road</i>	<i>From Oxford Road</i>	<i>To Brenda Road</i>	<i>Straight</i>
<i>Brenda Road</i>	<i>From Stockton Road</i>	<i>To Belle Vue Way r/b</i>	<i>Turn Left</i>
<i>Belle Vue Way</i>	<i>From Brenda Road</i>	<i>To Burn Road</i>	<i>Turn Right</i>
<i>Burn Road</i>	<i>From Belle Vue Way</i>	<i>To Depot</i>	<i>Turn Right</i>

Total Gritting Length = 50.419km

**Second Priority Carriageway Route 1**



Dalton Back Lane	From Stockton Road	To Dalton Piercy Road	Turn Right
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**Segment 3 - Travelling**

<i>Dalton Piercy Road</i>	<i>From Stockton Road</i>	<i>To Elwick Road</i>	<i>Staight</i>
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**Segment 4 - Gritting**

Naisberry Lane	From Elwick Road	To 179	Turn Left
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**Segment 5 - Travelling**

<i>A179</i>	<i>From Naisberry Lane</i>	<i>To Worsett Lane</i>	<i>Turn Left</i>
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**Segment 6 - Gritting**

Worsett Lane	From A179	To Hart Lane	Turn Left
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**Segment 7 - Travelling**

<i>Hart Lane</i>	<i>From Worsett Lane</i>	<i>To Tarnston Road</i>	<i>Turn Left</i>
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<i>Tarnston Road</i>	<i>From Hart Lane</i>	<i>To Cairnston Road</i>	<i>Turn Right</i>
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**Segment 8 - Gritting**

Carinston Road	From Tarnston Road	To Hayston Road	Turn Left
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Hayston Road	From Cairnston Road	To Tarnston Road	Turn Left
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**Segment 9 - Travelling**

<i>Tarnston Road</i>	<i>From Hayston Road</i>	<i>Carinston Road</i>	<i>Turn Left</i>
<i>Carinston Road</i>	<i>From Tarnston Road</i>	<i>To Hayston Road</i>	<i>Straight</i>

**Segment 10 - Gritting**

Carinston Road	From Hayston Road	To Elwick Road	Turn Left
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**Segment 11 - Travelling**

<i>Elwick Road</i>	<i>From Cairnston Road</i>	<i>To Dunston Road</i>	<i>Turn Left</i>
<i>Dunston Road</i>	<i>From Elwick Road</i>	<i>To Hart Lane</i>	<i>Turn Right</i>
<i>Hart Lane</i>	<i>From Dunston Road</i>	<i>To Thornhill Gardens</i>	<i>Turn Left</i>
<i>Thornhill Gardens</i>	<i>From Hart Lane</i>	<i>To Chester Road</i>	<i>Turn Right</i>

**Segment 12 - Gritting**

Chester Road	From Thornhill Gardens	To Jesmond Road	Turn Right
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**Segment 13 - Travelling**

<i>Jesmond Road</i>	<i>From Chester Road</i>	<i>To Duke Street</i>	<i>Straight</i>
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**Segment 14 - Gritting**

Duke Street	From Jesmond Road	To Mulgrave Road	Straight
Mulgrave Road	From Duke Street	To Grange Road	Turn Right

**Segment 15 - Travelling**

<i>Grange Road</i>	<i>From Mulgrave Road</i>	<i>Linden Grove</i>	<i>Turn Left</i>
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**Segment 16 - Gritting**

Linden Grove	From Grange Road	To Park Road	Turn Left
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**Segment 17 - Travelling**

<i>Park Road</i>	<i>From Linden Grove</i>	<i>To Eldon Grove</i>	<i>Turn Right</i>
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**Segment 18 - Gritting**

Eldon Grove	From Park Road	To Eliwck Road	Turn Left
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**Segment 19 - Travelling**

<i>Eliwck Road</i>	<i>From Eldon Grove</i>	<i>To Osborne Road</i>	<i>Turn Left</i>
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**Segment 20 - Gritting**

Osborne Road	From Eliwck Road	St Pauls Road	Straight
St Pauls Road	From Osborne Road	To Victoria Road	Turn Right

**Segment 21 - Travelling**

<i>Victoria Road</i>	<i>From St Pauls Road</i>	<i>To Stockton Street</i>	<i>Turn Right</i>
<i>Stockton Street</i>	<i>From Victoria Road</i>	<i>To Burn Road</i>	<i>Turn Left</i>
<i>Burn Road</i>	<i>From Stockton Street</i>	<i>To Burn Valley r/b</i>	<i>Straight</i>

**Segment 24 - Gritting**

Blakelock Gardens	From Stockton Road	To Blakelock Road	Straight
Blakelock Road	From Blakelock Gardens	To Kingsley Avenue	Straight
Kingsley Avenue	From Blakelock Road	To Westbrooke Avenue	Straight

**Segment 25 - Travelling**

<i>Kingsley Avenue</i>	<i>From Westbrooke Avenue</i>	<i>To Tynebrooke Avenue</i>	<i>Turn Right</i>
<i>Tynebrooke Avenue</i>	<i>From Kingsley Avenue</i>	<i>To Catcote Road</i>	<i>Turn Right</i>
<i>Catcote Road</i>	<i>From Tynebrooke Avenue</i>	<i>To Macaulay Road</i>	<i>Turn Left</i>

**Segment 26 - Gritting**

Macaulay Road	From Catcote Road	To Sinclair Road	Turn Left
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**Segment 27 - Travelling**

<i>Sinclair Road</i>	<i>From Macaulay Road</i>	<i>To Brierton Lane</i>	<i>Turn Left</i>
<i>Brierton Lane</i>	<i>From Sinclair Road</i>	<i>To Eskdale Road</i>	<i>Straight</i>

**Segment 28 - Gritting**

Brierton Lane	From Eskdale Road	To Catcote Road	Turn Right
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**Segment 29 - Travelling**

<i>Catcote Road</i>	<i>From Brierton Lane</i>	<i>To Mowbray Road</i>	<i>Turn Right</i>
<i>Mowbray Road</i>	<i>From Catcote Road</i>	<i>To Spalding Road link road</i>	<i>Turn Right</i>

**Segment 30 - Gritting**

Spalding Road Link Road	From Mowbray Road	To Spalding Road	Turn Left
Spalding Road	From Spalding Road Link Road	To Crowland Road	Turn Left
Crowland Road	From Spalding Road	To Newark Road	Turn Left
Newark Road	From Crowland Road	To Spalding Road	Turn Right
Spalding Road	From Newark Road	To Spalding Road Link Road	Straight
Spalding Road	From Spalding Road Link Road	To Crowland Road	Turn Right

<i>Crowland Road</i>	<i>From Spalding Road</i>	<i>To Spalding Road</i>	<i>Turn Right</i>
<i>Spalding Road</i>	<i>From Crowland Road</i>	<i>To Spalding Road Link Road</i>	<i>Turn Right</i>
<i>Spalding Road Link Road</i>	<i>From Spalding Road</i>	<i>To Mowbray Road</i>	<i>Turn Right</i>
<i>Mowbray Road</i>	<i>From Spalding Road Link Road</i>	<i>To Catcote Road</i>	<i>Turn Left</i>
<i>Catcote Road</i>	<i>From Mowbray Road</i>	<i>To Truro Drive</i>	<i>Turn Right</i>
<i>Stockton Road</i>	<i>From Truro Drive</i>	<i>To Seaton Lane</i>	<i>Turn Right</i>
<i>Seaton Lane</i>	<i>From Stockton Road</i>	<i>To Brenda Road</i>	<i>Turn Right</i>
<i>Brenda Road</i>	<i>From Seaton Lane</i>	<i>To Salt Barn Depot</i>	

*End Run*





### **Segment 2 - Gritting**

Vicarage Gardens	From Burn Road	To Elwick Road	Turn Left
Elwick Road	From Vicarage Gardens	To Junction with Catcote Road	Turn Right

### **Segment 3 - Travelling**

<i>Elwick Road</i>	<i>From Junc with Catcote Road</i>	<i>To Junc with Wooler Road</i>	<i>Turn Left</i>
<i>Elwick Road</i>	<i>From Junc with Wooler Road</i>	<i>To West Park</i>	<i>Turn Left</i>

### **Segment 4 - Gritting**

West Park	From Elwick Road	To Egerton Road	Turn Right
Egerton Road	From Junction with West Park	To Parklands Way	Turn Right
Parklands Way	From Egerton Road	To Coniscliffe Road	Turn Right
Coniscliffe Road	From Parklands Way	To West Park	Turn Right

### **Segment 5 - Travelling**

<i>West Park</i>	<i>From Coniscliffe Road</i>	<i>To Egerton Road</i>	<i>Turn Left</i>
<i>Egerton Road</i>	<i>From West Park</i>	<i>To Elwick Road</i>	<i>Turn Right</i>
<i>Elwick Road</i>	<i>From Egerton Road</i>	<i>To Park Avenue</i>	<i>Turn Left</i>

### **Segment 6 - Gritting**

Park Avenue	From Elwick Road	To Cresswell Road	Turn Left
Cresswell Road	From Park Avenue	To Cresswell Drive	Turn Right
Cresswell Drive	From Cresswell Road	To Cresswell Road	Turn Left
Cresswell Road	From Cresswell Drive	To Park Avenue	Turn Right
Park Avenue	From Cresswell Road	To The Parade	Turn Left
The Parade	From Park Avenue	To Wooler Road	Straight

**Segment 7 - Travelling**

*Grange Road      From Wooler Road      To Murray Street      Turn Left*

**Segment 8 - Gritting**

Murray Street      From Grange Road      To Hart Lane      Turn Right

**Segment 9 - Travelling**

*Hart Lane      From Murray Street      To Middleton Road      Straight*

*Middleton Road      From Hart Lane      To Lancaster Road      Turn Left*

*Lancaster Road      From Middleton Road      To Brougham Terrace      Turn Left*

*Brougham Terrace      From Lancaster Road      To Milbank Road      Straight*

**Segment 10 - Gritting**

Brougham Terrace      From Milbank Road      To Chester Road      Straight

Chester Road      From Brougham Terrace      To Jesmond Gardens      Turn Right

Jesmond Gardens      From Chester Road      To Easington Road      Turn Left

**Segment 11 - Travelling**

*Easington Road      From Jesmond Gardens      To Powlett Road      Straight*

<i>Powlett Road</i>	<i>From Easington Road</i>	<i>To Cleveland Road</i>	<i>Turn Left</i>
<i>Cleveland Road</i>	<i>From Powlett Road</i>	<i>To West View Road</i>	<i>Straight</i>
<i>West View Road</i>	<i>From Cleveland Road</i>	<i>To Thorpe Street</i>	<i>Turn Left</i>

**Segment 12 - Gritting**

Thorpe Street	From West View Road	To Marine Drive	Turn Right
Marine Drive	From Thorpe Street	To Sea View Terrace	Straight
Sea View Terrace	From Marine Drive	To Moor Parade	Straight
Moor Parade	From Sea View Terrace	To Marine Crescent	Straight
Marine Crescent	From Moor Parade	To Friar Street	Straight
Friar Street	From Marine Crescent	To Manners Street	Straight
Manners Street	From Friar Street	To Church Walk	Turn Right
Church Walk	From Manners Street	To High Street	Straight
High Street	From Church Walk	To Northgate	Turn Right

***Segment 12 - Travelling***

<i>Northgate</i>	<i>From High Street</i>	<i>To West View Road</i>	<i>Straight</i>
<i>West View Road</i>	<i>From Northgate</i>	<i>To Cleveland Road</i>	<i>Turn Right</i>
<i>West View Road</i>	<i>From Cleveland Road</i>	<i>To Warren Road</i>	<i>Turn Left</i>

**Segment 13 - Gritting**

Warren Road	From West View Road	To Easington Road	Turn Left
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***Segment 14 - Travelling***



<i>Easington Road</i>	<i>From Warren Road</i>	<i>To T.A. Centre</i>	<i>U Turn</i>
<i>Easington Road</i>	<i>From T.A. Centre</i>	<i>To Jesmond Gardens</i>	<i>Turn Left</i>
<i>Jesmond Gardens</i>	<i>From Easington Road</i>	<i>To Chatham Road</i>	<i>Turn Left</i>

### **Segment 15 - Gritting**

<b>Chatham Road</b>	<b>From Jesmond Gardens</b>	<b>To Raby Road</b>	<b>Turn Right</b>
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### ***Segment 16 - Travelling***

<i>Raby Road</i>	<i>From Challoner Road</i>	<i>To Middleton Road</i>	<i>Turn Left</i>
<i>Middleton Road</i>	<i>From Raby Road</i>	<i>To Marina Way</i>	<i>Straight</i>

### **Segment 17 - Gritting**

Middleton Road	From Marina Way	To Navigation Point	Turn Right
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### ***Segment 18 - Travelling***

<i>Navigation Point</i>	<i>From Middleton Road</i>	<i>To Harbour Walk</i>	<i>Turn Right</i>
<i>Harbour Walk</i>	<i>From Navigation Point</i>	<i>To The Highlight</i>	<i>Turn Right</i>
<i>The Highlight</i>	<i>From Harbour Walk</i>	<i>To Marina Way</i>	<i>Turn Left</i>
<i>Marina Way</i>	<i>From The Highlight</i>	<i>To Maritime Avenue</i>	<i>Turn Left</i>

### **Segment 19 - Gritting**



*Mainsforth Terrace*      *From Burbank Street*      *To Burn Road*      *Turn Right*  
*Burn Road*              *From Mainsforth Terrace*      *To Depot*

*End Run*

## Cold Route

In the event of a forecast predicting 'plus' zero temperatures at Low Stotfold and Newburn sensors in conjunction with a sub-zero temperature of between 0 degs and -0.5 degs at Swarthole for approximately two hours in duration, it will part of the decision making options to implement the designated 'Cold Route' if required.

All aspects of the existing decision making policy will be considered by the Duty Supervisor prior to the introduction of this treatment.



- Tees Road : Brenda Road to Seal Sands Roundabout
- A689 : Seaton Lane to Wolviston Roundabout (both directions)
- Greatham Village Link Road : From A689 to Greatham High Street
- Greatham High Street : From Greatham High Street to A689 (Sappers Corner)
- Owton Manor Lane (from Catcote Road) and Wynyard Road
- Dalton Piercy Road : From A19 to C160 Elwick Road
- Elwick Road : From Wooler Road to North Lane
- North Lane : From Elwick Road to A19
- Church Bank : From A19 to Elwick Road
- A179 : From Boundary to Hart Village Roundabout (also include Front Street Hart)
- Coal Lane
- Throston Grange Lane shops / traffic lights to A179 about
- Masefield Road – Brierton Lane to Catcote Road

The treatment applied to the carriageway will be as follows:-

### **Frost and Ice Treatment**

Under dry weather conditions pre-salting is carried out in accordance with the following rates of spread:-

<b>Treatment</b>	<b>Spread Rate</b>
Pre-salting for frost	10 g/m <sup>2</sup>
Pre-salting for frost when forecast RST is at or below -2°C and no residual salt is present	20 g/m <sup>2</sup>
Pre-salting for frost when forecast RST is at or below -5°C	20 g/m <sup>2</sup>
Pre-salting for frost when forecast RST is at or below -5°C and wet road conditions are present or anticipated	2 x 20 g/m <sup>2</sup>
Ice already on road and air temperatures above -5°C	20 g/m <sup>2</sup>
Ice already on road and air temperatures at or below -5°C	2 x 20 g/m <sup>2</sup>
Hard packed ice	20-40 g/m <sup>2</sup>

It is not always necessary to pre-salt every time that frost is forecast. This is particularly significant when there is enough residual salt on the road to deal with the expected conditions. Care is always taken however, to monitor the priority routes for localised wet areas. As and when areas are identified, action is taken to avoid the formation of ice, either by preventing the flow of water onto the highway, or by localised treatment of the wet spots where the water is not flowing.

In the event of hoar frost, black ice or freezing fog forecasts, pre-salting will be carried out even if roads are dry.

In the event of an ice forecast after rain, pre-salting will be delayed until the rain has ceased or as close as possible to the time that freezing conditions coincide with rainfall.

Where frost is persistent further treatment of First Priority Salting routes may be necessary. Treatment of Second Priority Salting routes may be carried out during normal working hours provided that the First Priority Salting routes are clear, time and resources permit and thawing is unlikely before treatment can commence.

In the event of an unforecast hoar frost, freezing fog or other condition causing the road surface to become icy, the Duty Officer will order immediate treatment of First Priority Salting routes as soon as the conditions are known unless thawing is likely before treatment can begin.

## **Snow Clearance**

When a snow warning is received or on commencement of snowfall, whichever is the sooner, Snow ploughs are fitted to the gritting wagons. When possible, pre-salting is carried out on First Priority Salting routes in accordance with the following rates of spread:-

<b>Treatment</b>	<b>Spread Rate</b>
Pre-salting for light snow (<10mm)	20 g/m <sup>2</sup>
Pre-salting for medium/heavy snow	2 x 20 g/m <sup>2</sup>
Simultaneously with snow ploughing	20 g/m <sup>2</sup>
Hard packed snow/ice	20-40 g/m <sup>2</sup>

Irrespective of the depth of snow, salt treatment commences until snow depths are sufficient to plough. When snow depths exceed 30mm ploughing commences and runs simultaneously with salt treatment. On commencement of ploughing all priority is given to the three route First Priority network. Work on the second priority routes will cease until the First Priority network is clear and open.

Ploughing is carried out on the basis of “ploughing by lanes”. In the first instance this means the nearside lane of dual carriageways and full width clearance of single carriageways, with subsequent ploughing of other lanes.

Lighter falls may call for ploughing where local drifting has occurred or to remove snow not dispersed by traffic e.g. where traffic is reluctant to use fast lanes or at night when traffic is light.

Ploughing continues as long as is necessary to clear First Priority routes and will be carried out concurrently with salt treatment. It is important that the whole of the First Priority network is cleared and that no area is abandoned for the sake of concentrating resources to one or two problems areas. In all cases therefore the defined First Priority routes are adhered to, and where conditions demand a more intensive treatment in specific areas, this is achieved by calling out a reserve vehicle for those areas.

In prolonged snow conditions, ploughing of Second Priority routes can be carried out during normal working hours provided that all First Priority routes are clear and can be maintained in that condition, that time and resources permit, and that thawing is unlikely.

In all ploughing conditions care is taken to ensure that the resulting furrow does not block side roads or obstruct the flow of water to highway drainage outlets.

It may not be possible to remove deep accumulations of snow or snow drifts by normal ploughing and the use of other mechanical plant may be necessary. In this event the teeth of excavator buckets must be removed before commencing work.

## **Winter Services on Footways**

Winter Service post treatment operations are carried out if deemed necessary over the following route :-

### **High Amenity Town Centre Footway Routes**





## Footway Routes

### Segment 1

Victoria Road - South Side	From Stockton Street - o/s Wilkinson's To York Road		Turn Left
	From Victoria Road - o/s Andrew		
York Road - East Side	Craig's	To Park Road	Cross York Road and U turn
York Road - West Side	From Park Road - o/s Titan House	To Victoria Road	Cross Victoria Road and Turn Right, then cross York Road
Victoria Road - North Side	From York Road	To Stockton Street	End of Segment
Stockton Street – West Side	From Victoria Road	To Marina Way	To Gateway Bridge Steps



## **Frost and Ice Treatment**

Post salting is carried out when deemed necessary in accordance with the following rates of spread:-

<b>Treatment</b>	<b>Spread Rate</b>
Pre-salting for frost	10 g/m <sup>2</sup>
Retreatment in persistent conditions or below -5°C	10 g/m <sup>2</sup>
Ice already on footway	20 g/m <sup>2</sup>
Hard packed ice	20-40 g/m <sup>2</sup>

It is not always necessary to treat every time that frost is forecast. This is particularly significant when there is enough residual salt on the footway to deal with the expected conditions.

In the event of hoar frost, black ice or freezing fog forecasts, post salting will be carried out if the footways become hazardous.

In the event of an ice forecast after rain, the decision to treat must be delayed until the rain has ceased and as close as possible to the time that freezing conditions have commenced. If the prescribed footways have become hazardous after the rain, post salting will be carried out.

Where frost is persistent further treatment may be necessary. Treatment of footway routes may be carried out provided that the First Priority Salting routes are clear and thawing is unlikely before treatment can commence.

In the event of an unforecast hoar frost, freezing fog or other condition causing the footway surface to become icy, the Duty Officer will order immediate post salting treatment of the footway routes as soon as hazardous conditions are known unless thawing is likely before treatment can begin.

## **Snow Clearance**

When possible, pre-salting is carried out on the footway routes during normal working hours. When the conditions continue, it will be necessary to repeat the treatment. Re-treatment will depend upon the availability of resources, which under severe conditions will be dedicated to the first priority carriageway routes. Consequently, footways will only be re-treated after the first priority carriageway routes are clear and open. Treatment will be in accordance with the following rates of spread:-

<b>Treatment</b>	<b>Spread Rate</b>
Pre-salting for light snow (<10mm)	10 g/m <sup>2</sup>
Pre-salting for Snow	20 g/m <sup>2</sup>
Hard packed snow/ice	20-40 g/m <sup>2</sup>

## Winter Services in Car Parks

Winter Service operations are carried out at any time necessary and precautionary treatment is delivered to the following car parks:-



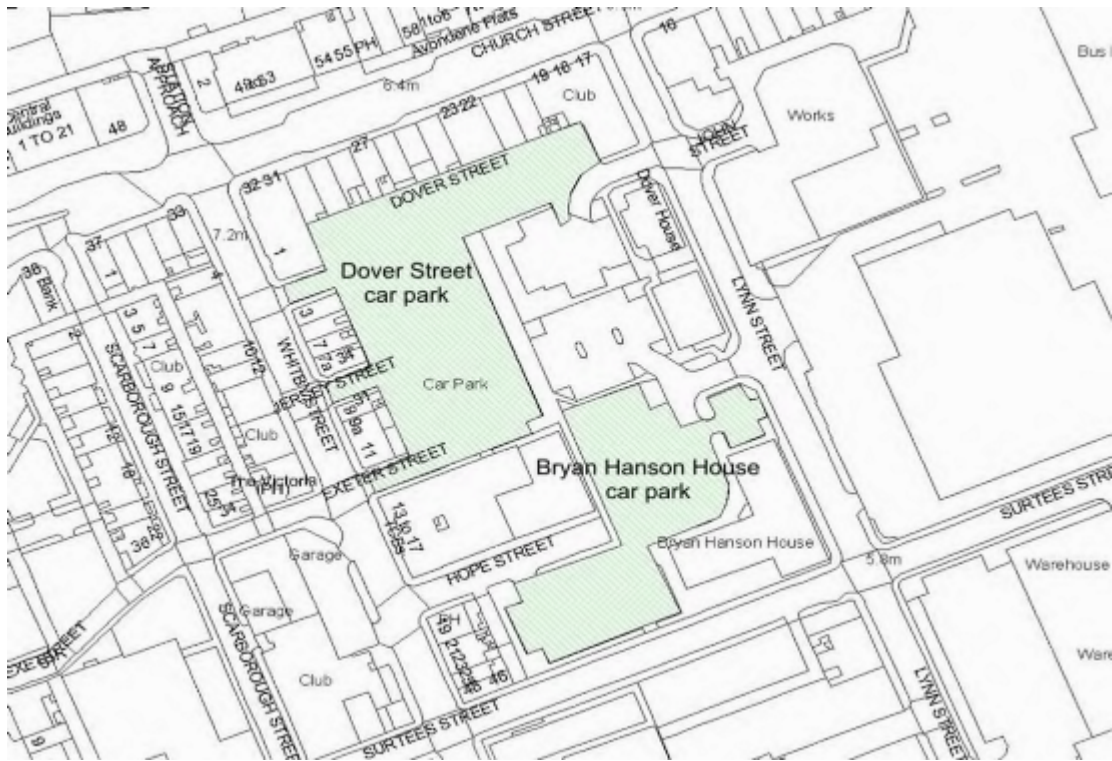
The main Town Centre Pay and Display Car Parks



**Gainford Street and Eden Street Pay and Display Car Parks**



**Mill House Pay and Display Car Park**



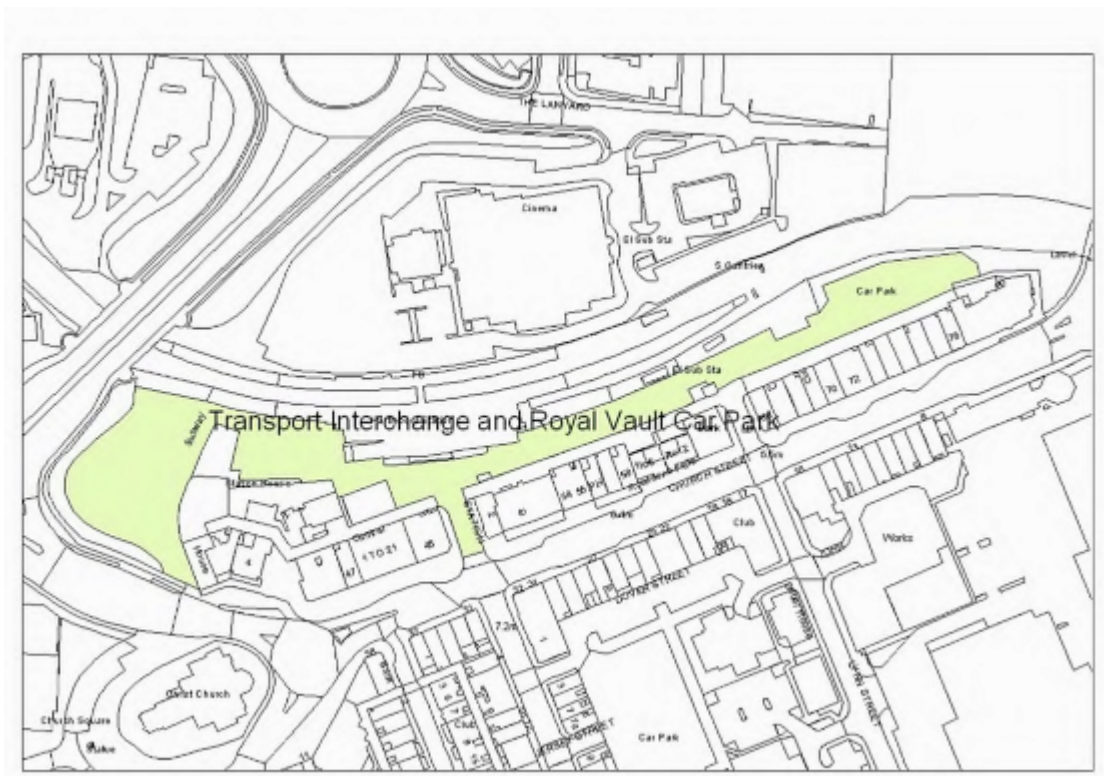
**Dover Street Pay and Display Car Park and Bryan Hanson House Staff Car Park**



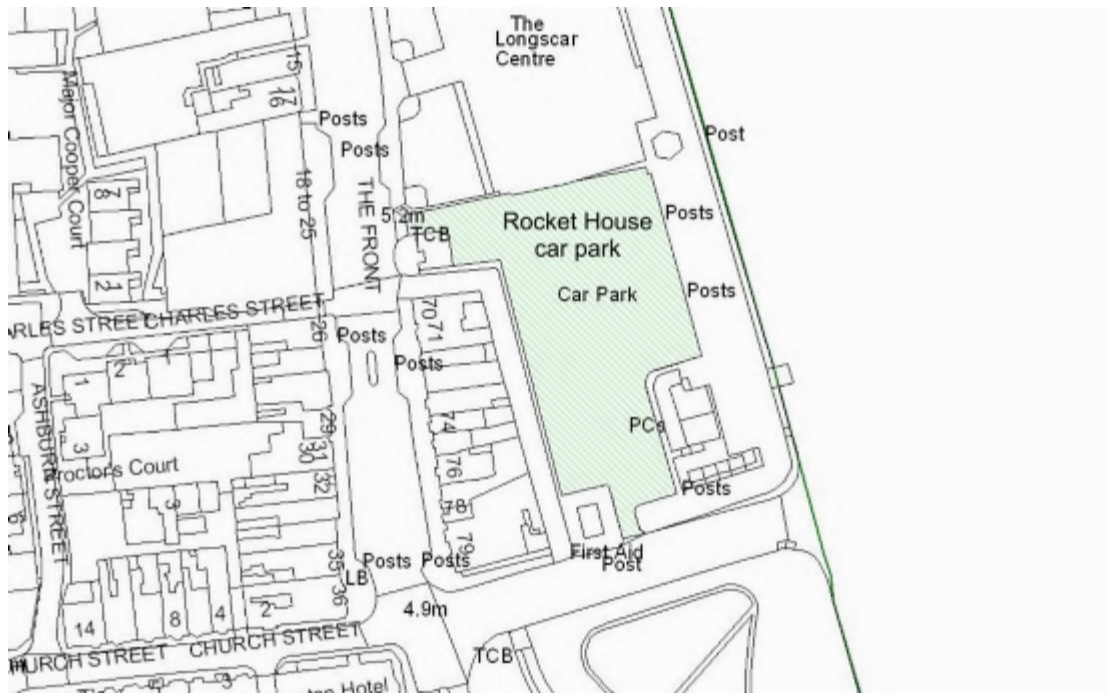
**Civic Centre Staff Car Parks**



**Back of Victoria Road Free/Permit controlled Car Park**



**Transport Interchange and Royal Vaults Pay and Display Car Park**



**Rocket House Free/Permit controlled Car Park**

**Frost and Ice Treatment**

Under dry weather conditions pre-salting is carried out in accordance with the following rates of spread:-

<b>Treatment</b>	<b>Spread Rate</b>
Pre-salting for frost	10 g/m <sup>2</sup>
Pre-salting for frost when forecast RST is at or below -2°C and no residual salt is present	20 g/m <sup>2</sup>
Pre-salting for frost when forecast RST is at or below -5°C	20 g/m <sup>2</sup>
Pre-salting for frost when forecast RST is at or below -5°C and wet road conditions are present or anticipated	2 x 20 g/m <sup>2</sup>
Ice already on road and air temperatures above -5°C	20 g/m <sup>2</sup>
Ice already on road and air temperatures at or below -5°C	2 x 20 g/m <sup>2</sup>
Hard packed ice	20-40 g/m <sup>2</sup>

It is not always necessary to pre-salt every time that frost is forecast. This is particularly significant when there is enough residual salt on the footway to deal with the expected conditions.

In the event of hoar frost, black ice or freezing fog forecasts, pre-salting will be carried out even if the Car Parks are dry.



In the event of an ice forecast after rain, pre-salting will be delayed until the rain has ceased or as close as possible to the time that freezing conditions coincide with rainfall.

Where frost is persistent further treatment may be necessary. Treatment of Car Parks may be carried out provided that the First Priority Salting routes are clear and thawing is unlikely before treatment can commence.

In the event of an unforecast hoar frost, freezing fog or other condition causing the surface of Car Parks to become icy, the Duty Officer will order immediate treatment of the Car Parks as soon as the conditions are known unless thawing is likely before treatment can begin.

The access gate to the multi storey car park ramp is closed at certain times and can only be opened by Shopping Centre Security. At these times access can be gained by contacting Shopping Centre Security on the contact number noted in the operational details

The Car Park operations will be charged to the Car Parking Budget.

## **Snow Clearance**

When possible, pre-salting is carried out on the car parks. When the conditions continue, it will be necessary to repeat the treatment. Re-treatment will depend upon the availability of resources, which under severe conditions will be dedicated to the first priority carriageway routes.

Consequently, car parks will only be re-treated after the first priority carriageway routes are clear and open. Treatment will be in accordance with the following rates of spread:-

<b>Treatment</b>	<b>Spread Rate</b>
Pre-salting for light snow (<10mm)	20 g/m <sup>2</sup>
Pre-salting for medium/heavy snow	2 x 20 g/m <sup>2</sup>
Simultaneously with snow ploughing	20 g/m <sup>2</sup>
Hard packed snow/ice	20-40 g/m <sup>2</sup>

## **Other Winter Services**

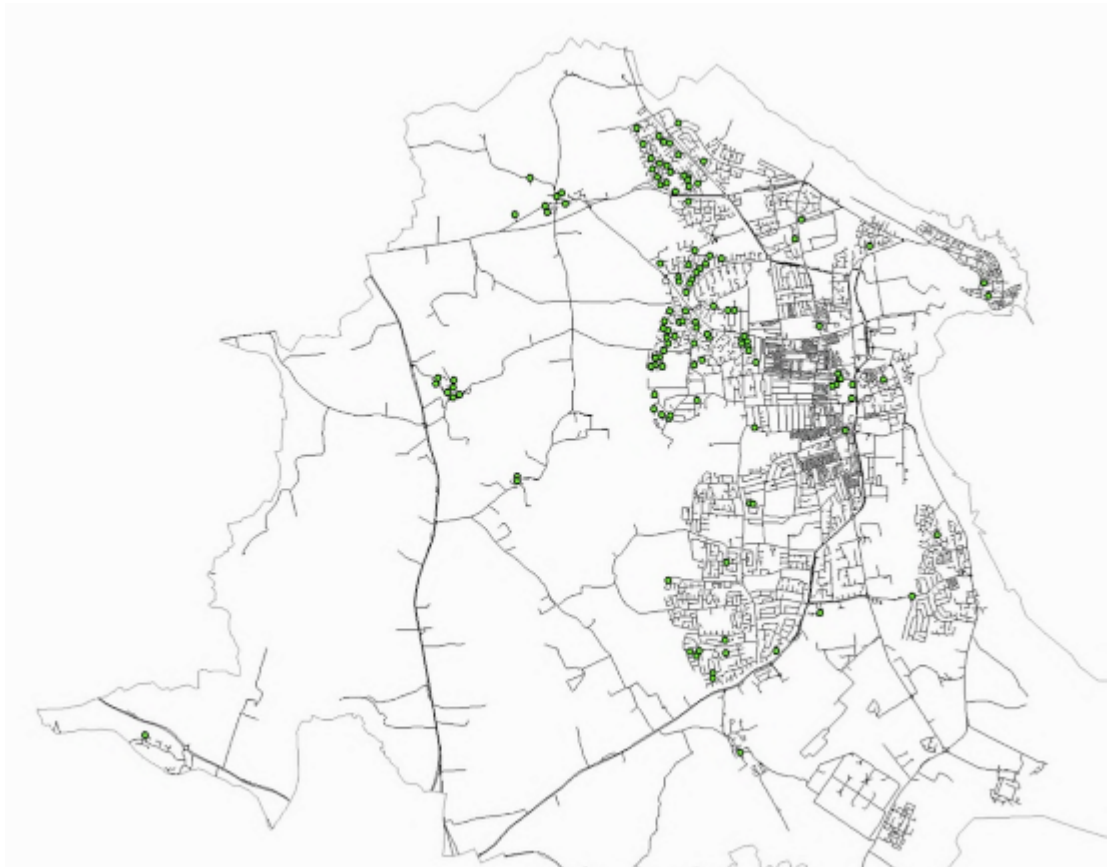
### **Grit Bin Provision**

One means by which the Council can assist the local community in areas not on priority routes, or at known trouble spots, including gradients and sharp bends, is by the provision of salt bins. Where these are to be provided, consultation with the local community is necessary to ensure that they are appropriate and if so, are appropriately located. Care must be taken to avoid locating grit bins in such a way that they become unsightly or used for the deposit of waste.

The use of salt bins may be considered, provided this use is confined to difficult sites ie steep gradients, severe bends, road junctions, known trouble spots and where practicable, outside homes for the elderly and sheltered accommodation. Salt heaps may be used on all routes but, bearing in mind the damaging environmental effects, they will be used sparingly at difficult sites or where regular water flow from verges occurs.

In exceptional circumstances the use of salt bins containing grit or a mixture of salt and grit may be considered for difficult footway areas ie approaches to footbridges and subways, well used footpaths on steep gradients. Their use will be considered carefully, bearing in mind the resources available for spreading the salt as well as the subsequent increased cleansing requirements.

Grit bin locations are shown below.



## Grit Bin Locations

# **Post Snow Inspection and Maintenance**

Immediately following the completion of major snow clearance operations it is necessary to inspect both the equipment used and the network to ensure that any damage is dealt with, either as an actionable hazard, or as programmed maintenance as appropriate.

Post Snow Inspections are special safety inspections. Attention is given to the routes treated and the following items:

- Clearance of gullies and offlets
- Removal of accumulations of grit from running surfaces and drainage channels
- Inspection and clearance of all bridges, culverts and drainage systems liable to flooding
- Inspection for frost effects and any damage caused by Winter Service equipment
- Check and replenish salt stocks in depots and grit bins
- Clean, lubricate, check and repair all vehicles and plant

In addition, a debrief of all personnel involved is held to ensure that the experience and observations are recorded. Lessons learned are used in the annual service review and contribute to the process of continuous improvement.

## **Records**

The Duty Officer will maintain sufficient records to enable:-

- (a) a detailed check of monthly accounts
- (b) an annual performance appraisal
- (c) handling of third party insurance claims

The records content and format will include the following as minimum:-

Weather reports; action taken; routes treated; time that the routes were treated; vehicle mileage; plant and manpower deployed; hours worked; salt usage; number and nature of complaints.

The Duty Officer must make positive arrangements for reporting the following items to the Highway Services Manager:-

- (a) Daily, before 1000 hours - a road condition statement which will include the start and finish times of the salting operation, the quantity of salt used, a summary of any overnight problems, actions taken, the present road condition and any on-going actions. The report must also include (when necessary) the identification of all areas that are not priority routes that are to be treated throughout the normal working day.
- (b) A "no action" report will be required when appropriate.
- (c) Weekly, by 1200 hours on the following Monday - a weekly summary of forecasts received, action taken and daily salt usage. Salt usage will be related to the daily forecast and will therefore cover the period 1200 hours to 1200 hours
- (d) Four weekly - a statement indicating the labour vehicle and plant usage in that period.

All decisions and actions directed by Duty Officers will be recorded in the daily log and a permanent record must be kept for 5 years.

## **Performance Standards and Monitoring**

Given the significant costs of providing a Winter Service and the considerable logistical issues involved, monitoring and review are of particular importance to the pursuit of Best Value.

Comprehensive and accurate records are kept of the Winter Service activity, including timing and nature of all decisions, the information on which they were based, and the nature and timing of all treatment.

## **Performance Monitoring**

The Council is required to monitor its performance on the Winter Service as part of its overall Highway Services function. To achieve this it is necessary to monitor the performance of both the Decision Making and the Service Delivery functions.

The highly variable and unpredictable nature of a winter means that a simple comparison of budget with outturn is not an appropriate performance indicator. Performance monitoring will therefore review the performance and cost effectiveness under several headings, including:-

### **Decision Making Operations**

- (i) Adequacy of Response
- (ii) Communications between Duty Officer and Forecaster
- (iii) Adequacy of provision of information to media
- (iv) Level and validity of public complaints
- (v) Incidence of Road Traffic accidents
- (vi) Third Party claims
- (vii) Road blockages

### **Service Delivery Operations**

- (viii) Use of stand-by
- (ix) Response times
- (x) Treatment times
- (xi) Condition and calibration of vehicle fleet
- (xi) Condition and consumption of salt
- (xii) Unit costs

### **Other Services**

- (xv) Forecasting service
- (xvi) Computerised Ice Prediction System