

Area 12 Broughton Resurfacing SDF-NE-W245 Drainage Checklist

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National Highways
617900

Scheme Delivery Framework
17/08/23



Area 12 Broughton Resurfacing SDF-NE-W245 Drainage Checklist

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Project name: Scheme Delivery Framework
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Revision no: C01 **Prepared by:** S. BARNES
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Document history and status

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Area 12 Broughton Resurfacing SDF-NE-W245 Drainage Checklist

1 – Project Information, to be completed by design team.			
Scheme Name:	Area 12 Broughton Resurfacing Area 12 Broughton Resurfacing	Scheme Ref. & Activity Code:	W245 - 617900
Scheme designer	Harrison O'Connor	Road and map or grid reference	495648, 406973
Scheme Description:	<p><i>The surfacing in Broughton depot is showing signs of deterioration due to the age of the surfacing and because of winter maintenance activities. Surfacing defects are evident around the depot which are becoming hazardous. These could lead to slips, trips and/or falls. Maintenance costs will increase if improvements are not carried out.</i></p> <p><i>It is proposed to resurface the affected areas with a suitable material to ensure the longevity of the surfacing.</i></p>		
Scheme includes:			Y / N
Change to drainage system			N
Additional hardening of surfacing, change to carriageway layout			N
VRS in hard shoulder or central reservation			N
Installation of tanks, separators or PCD (Pollution Control Device)			N
New outfalls			N
Proposed culverts			N
Change to earthworks			N
Other: Works taking place include resurfacing like for like inside a depot with 2 different depths consisting of 50mm and 100mm			

Now forward to Drainage Team.

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2 – Existing drainage information

To be completed by:		Drainage Team	Design Team
		Yes / No / NA	
HADDMS records		Yes	
HADDMS records present			
Recent CCTV survey		No	
Last CCTV survey in 2009 based on HADDMS			
HAWRAT assessment, results: _____		N/A	
No outfalls present		No	
Historic flooding			
No flooding events present			

3 – Drainage design requirements

	Yes / No / NA	Completed (date)
Pre-design CCTV survey to Area 12 standards	No	17/08/2023
No CCTV currently available		
Post construction CCTV survey to Area 12 standards	No	17/08/2023
No CCTV currently available		
HAWRAT assessment of routine run-off and accidental spillage to LA 113	N/A	17/08/2023
Check flow width to HA102	No	17/08/2023
Check flow width and check gully spacing for all schemes		
Structural check to HA40	No	17/08/2023
Complete detailed drainage design, to check for surcharging and flooding. (Forward to drainage team when complete)	No	17/08/2023
20% allowance for climate change in WinDes modelling	No	17/08/2023
As Built / As Surveyed drawing to Area 12 standards.	No	17/08/2023
Other: Drainage within the depot is shown on HADDMS, the last date the assets were surveyed was 2009. Over time pipes may show defects which will cause flooding. There are 33 gully gratings present which should be accounted for in the Contractors Methods Statement. Depth not known, assumed to be 100/150mm deep grating.		

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Manhole & Inlet depths and location, for information:					
Asset Type	Asset Reference	Coordinates	Depth of the asset's lowest point below cover (m)		
Manhole	SE9507_6305d	x: 495633.98 y: 407054.34	1.03		
Manhole	SE9507_6706b	x: 495669.93 y: 407060.03	0.90		
Manhole	SE9507_6201b	x: 495622.46 y: 407016.00	1.17		
Manhole	SE9507_6401e	x: 495647.81 Y: 407012.78	1.33		
Manhole	SE9506_6799d	x: 495670.81 Y: 406999.13	1.70		
Manhole	SE9507_6400f	x: 495640.51 Y: 407000.11	1.10		
Manhole	SE9506_6498g	x: 495646.85 Y: 406988.64	1.40		
Manhole	SE9506_6798c	x: 495670.59 Y: 406984.24	1.04		
Manhole	SE9506_6797b	x: 495671.07 Y: 406977.49	1.77		
Manhole	SE9506_6897b	x: 495680.00 Y: 406977.99	0.94		
Inlet	SE9506_6799e	x: 495677.86 Y: 406994.29	0.40		

Drainage Team comments completed	Date:	17/08/2023	Initials:	SB
Drainage requirements completed by design team	Date:		Initials:	