

APPENDIX C

HIGHWAY MAINTENANCE SUPPLEMENTARY REPORT

1.0 Introduction

1.1 This document will look at highway maintenance issues in the scope area namely:

- Carriageway & Footway resurfacing/ repair schemes
- Drainage / localised flooding issues
- Street furniture – (Market Harborough town centre only)
- Miscellaneous issues

2.0 Identified maintenance schemes

2.1 Carriageway & footway resurfacing / repair schemes

Below is a list of identified carriageway and footway schemes (**Tables 1 & 2**) showing locations and indicative costs. All of these locations have been identified as needing full or partial reconstruction work. Other more cost effective methods such as surfacing dressing / slurry sealing have been considered, however these are no longer viable engineering options. Please refer to **Fig 1** and **Fig 2** to see locations / extents.

Table 1.

Road N°	Road Name	Parish	Location	Treatment	Cost Estimate	Map Reference
A508	Northampton Road	Market Harborough	Springfield Street to Welland Park Road (Junction)	Resurface	£126,000	C1
A4304	High Street	Market Harborough	High Street – removal of block channels to HRA	Resurface	£90,000	C1A
A4304	St Mary's Rd	Market Harborough	McDonald Close to Kettering Road	Resurface	£55,000	C2
A4304	Rockingham Road	Market Harborough	Kettering Road to Great Bowden Road	Resurface	£55,000	C3
A4304	Rockingham Road	Market Harborough	Kettering Road / St Mary's Road Junction	Resurface	£126,000	C3
A508 / A4304	St Mary's Rd / Northampton Road	Market Harborough	St Mary's Rd / Northampton Road junction – removal of block paving on junction.	Resurface	£60,000	C3A

B6047	Leicester Road	Market Harborough	Alvinton Way Roundabout	Resurface	£85,000	C4
B6047	Leicester Road	Market Harborough	Alvinton Way to Bowden Lane	Resurface	£90,000	C4
C9408	Kettering Road	Market Harborough	Chrry Tree PH to Gorses Lane	Resurface	£80,000	C5
C9408	Kettering Road	Market Harborough	Gorses Lane to Glebe Road	Resurface	£75,000	C5
C9411	Farndon Road	Market Harborough	Welland Park Road to Western Avenue	Resurface	£110,000	C6
C9409	Welland Park Road	Market Harborough	Northampton Road to Farndon Road	Resurface	£200,000	C7
C9409	Welland Park Road	Market Harborough	Fardon Road to Lubenham Hill	Resurface	£90,000	C7
Uncl	Knoll Street	Market Harborough	Gardiner Street to Logan Street	Reconstruct Concrete Carriageway Bays	£70,000	C8

Total approximate cost: £ 1,327,000

Table 2.

Class	Road Name	Parish	Location	Treatment	Cost Estimate	Map Reference
F/WAY	Kings Road	Market Harborough	Doddridge Road to Shropshire Place	Resurface	£10,000	F1
F/WAY	Stuart Road	Market Harborough	Western Avenue to Newcombe Street	Resurface	£63,000	F2
F/WAY	Fairfax Rd	Market Harborough	Stuart Road to Western Avenue	Resurface	£39,000	F3
F/WAY	Cromwell Crescent	Market Harborough	Rowan Avenue to Bath Street	Resurface	£55,000	F4

Total approximate cost: £ 167,000

2.2 Aspirational footway schemes

There are also aspirations to complete other footway construction schemes (**Table 3**), however these currently have not gone through the required design processes due to limited staff time and resources. These locations should be noted as areas of interest only at this stage and are also marked on **Fig 2**

Table 3.

Class	Road Name	Parish	Treatment	Map Reference
F/WAY	DUNSLADE ROAD	Market Harborough	Resurface	F5
F/WAY	ASHFIELD ROAD	Market Harborough	Resurface	F6

F/WAY	BATH STREET	Market Harborough	Resurface	F7
F/WAY	CROMWELL CRESCENT	Market Harborough	Resurface	F8
F/WAY	ESSEX GARDENS	Market Harborough	Resurface	F9
F/WAY	FAIRFAX ROAD	Market Harborough	Resurface	F10
F/WAY	FERNIE ROAD	Market Harborough	Resurface	F11
F/WAY	FROM RIVERSIDE TO END	Market Harborough	Resurface	F12
F/WAY	LENTHALL SQUARE	Market Harborough	Resurface	F13
F/WAY	MEADOW STREET	Market Harborough	Resurface	F14
F/WAY	NITHSDALE AVENUE	Market Harborough	Resurface	F15
F/WAY	NORTHAMPTON ROAD	Market Harborough	Resurface	F16
F/WAY	PATRICK STREET	Market Harborough	Resurface	F17
F/WAY	RIVERSIDE	Market Harborough	Resurface	F18
F/WAY	SKIPPON CLOSE	Market Harborough	Resurface	F19
F/WAY	STRATTON CLOSE	Market Harborough	Resurface	F20

3.0 Identified drainage / flooding issues

3.1 Drainage / flooding issues

Significant improvements have been made in recent years to combat Market Harborough's major drainage issues. However there still some problems that require investigatory work / improvements. Below is a list of identified areas (**Table 4**) that require attention. The costs mentioned only cover investigatory work, not the cost for a solution.

Table 4.

Class	Road N°	Road Name	Parish	Location	Treatment	Cost Estimate
DRAINAGE	A508	Northampton Road	Market Harborough	from Welland Park Road to Bath Street	Drainage investigation and trial holes	£25,000

DRAINAGE	C9140	Welland Park Road	Market Harborough	Entire Length	Drainage investigation and trial holes	£25,000
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3.0 Street furniture / miscellaneous issues

3.1 Street furniture – (Market Harborough town centre only)

Market Harborough is a bustling and popular market town. Therefore, over the years countless items of street furniture have been placed to accommodate patrons to the town. Unfortunately some of these items have become (or subsequently will become), burdens for the County Council, and as such are causing some maintenance concerns. Below is a list of items which would be considered for change if the funding were available.

- Wooden sign posts – Located in the centre of the town in close proximity to the Old Grammar School. Approximately 5 – 6 of these posts are currently installed and while once looked attractive, are starting now to show signs of rot and decay. The signs are non-standard and are extremely difficult to source / repair, therefore we would wish that they are replaced with standard steel poles which are extremely durable and easily maintainable. Approximate costs to remove and replace the posts and signs would be in the region of £8,000.
- Bollards – These have been installed over the town for various reasons e.g. safety. However there are multiple instances where specific bollards cannot be directly replaced due to unavailability and or cost. This has resulted in a 'mishmash' of different bollards in the same series / run. Should funding become available to review the bollards in the town it would be desirable to set a standard bollard in conjunction with other bodies such as the Town Council, HDC or Harborough Civic Society. Options such as recycled materials could be explored to provide a cost effective, yet attractive solution. Projected cost for such a scheme is estimated at around £10,000.
- Pedestrian Guard Railings – A section of pedestrian guard railing exists on High Street which is in a state of disrepair. This has been "made safe" with varying engineering solutions such as welding and in some places bonding tape. Unfortunately there is no budget available to properly conduct repairs to a visually pleasing standard. One of the main causes of damage is due to the railing be adjacent to parking bays / loading areas. An approximate cost to permanently fix the railing would be approximately £8,000, though it may be beneficial to consider alternative solutions or even review the necessity of the railings altogether.

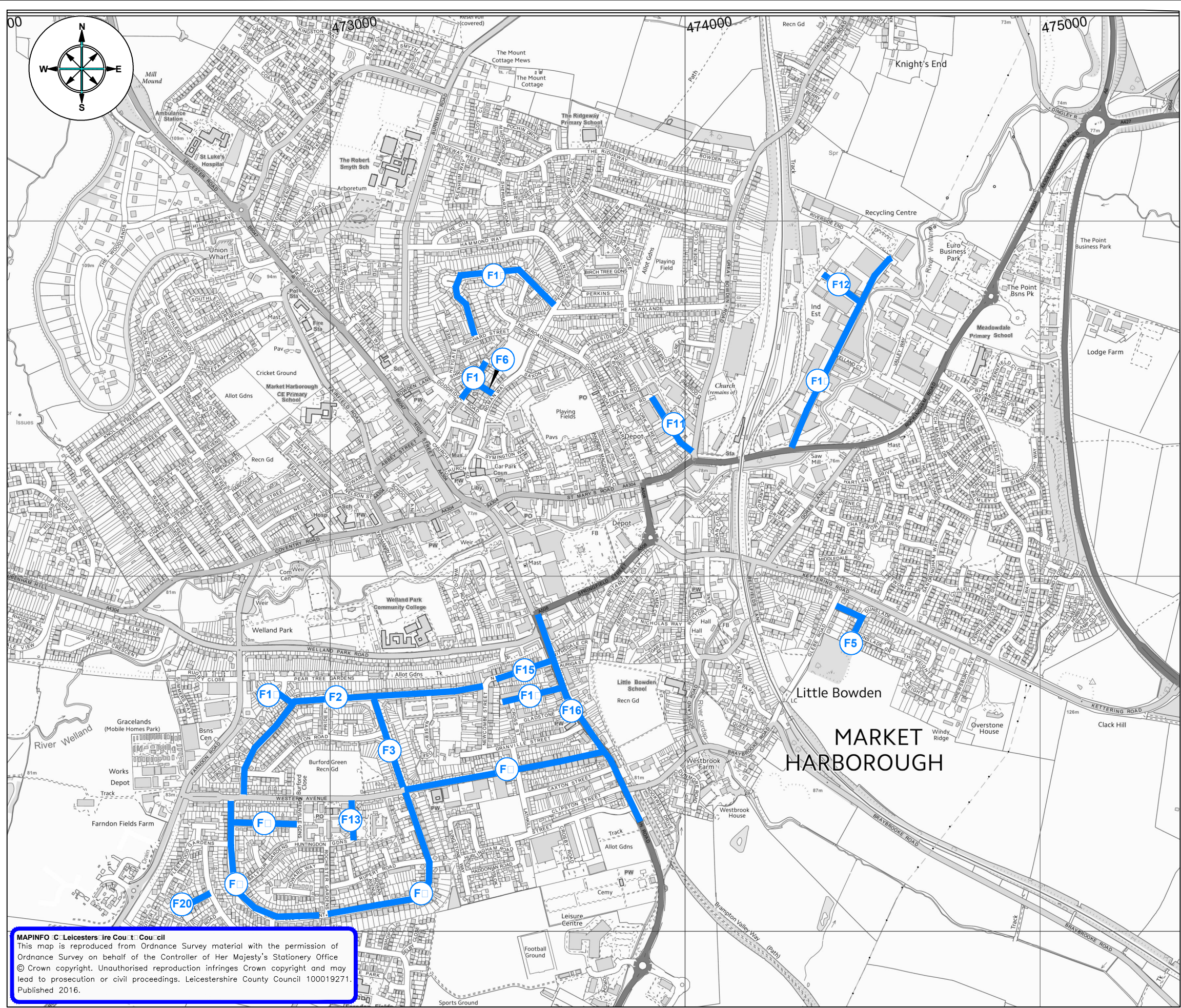
- Colour coding of S/F – Nearly all street furniture is supposed to be colour coded to Market Harborough's trademark shade of blue. This is common place in other towns such as Ashby de la Zouch and Loughborough. Ever diminishing budgets however are preventing newly maintained items from being painted, which can in some places make the town less aesthetically pleasing. It is recommend that the colour scheme be reviewed should major alterations / improvements be commissioned in the town centre.

3.2 Other street furniture such as litter bins and planters are present in areas such as The Square, High Street and St Mary's Road. These have been placed by HDC and other organisations; the Harborough in Bloom committee for example. These particular items do not present any maintenance issues and are solely the responsibility of the organisation / groups who installed them.

3.3 **Miscellaneous issues**

There are a couple of issues that don't fall into the above categories; however are maintenance issues that may be relevant when reviewing areas in terms of 'improvement' work.

- Welland Park Road – Priority Working System Chicanes; These traffic islands are continually being struck and damaged. Motions have been made in the past by different engineering teams to tackle the problem, however financial constraints have prohibited this. This is a location that definitely needs a design review should any opportunities present themselves.
- Footway slabs / Block Paving – Throughout the Town (The Square, High St, St Marys Road, Coventry Road, The Common) loose paving slabs / blocks are an ongoing maintenance issue. Should any major public realm opportunities arise, it would be preferable that no further blocks / slabs are installed.



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Map Reference	Road Name
F1	Kings Road
F2	Stuart Road
F3	Fairfax Rd
F4	Cromwell Crescent
F5	DUNSLADE ROAD
F6	ASHFIELD ROAD
F7	BATH STREET
F8	CROMWELL CRESCENT
F9	ESSEX GARDENS
F10	FAIRFAX ROAD
F11	FERNIE ROAD
F12	FROM RIVERSIDE TO END
F13	LENTHALL SQUARE
F14	MEADOW STREET
F15	NITHSDALE AVENUE
F16	NORTHAMPTON ROAD
F17	PATRICK STREET
F18	RIVERSIDE
F19	SKIPPON CLOSE
F20	STRATTON CLOSE



ENVIRONMENT AND
TRANSPORT DEPARTMENT



PHIL CROSSLAND
DIRECTOR

HIGHWAY MAINTENANCE

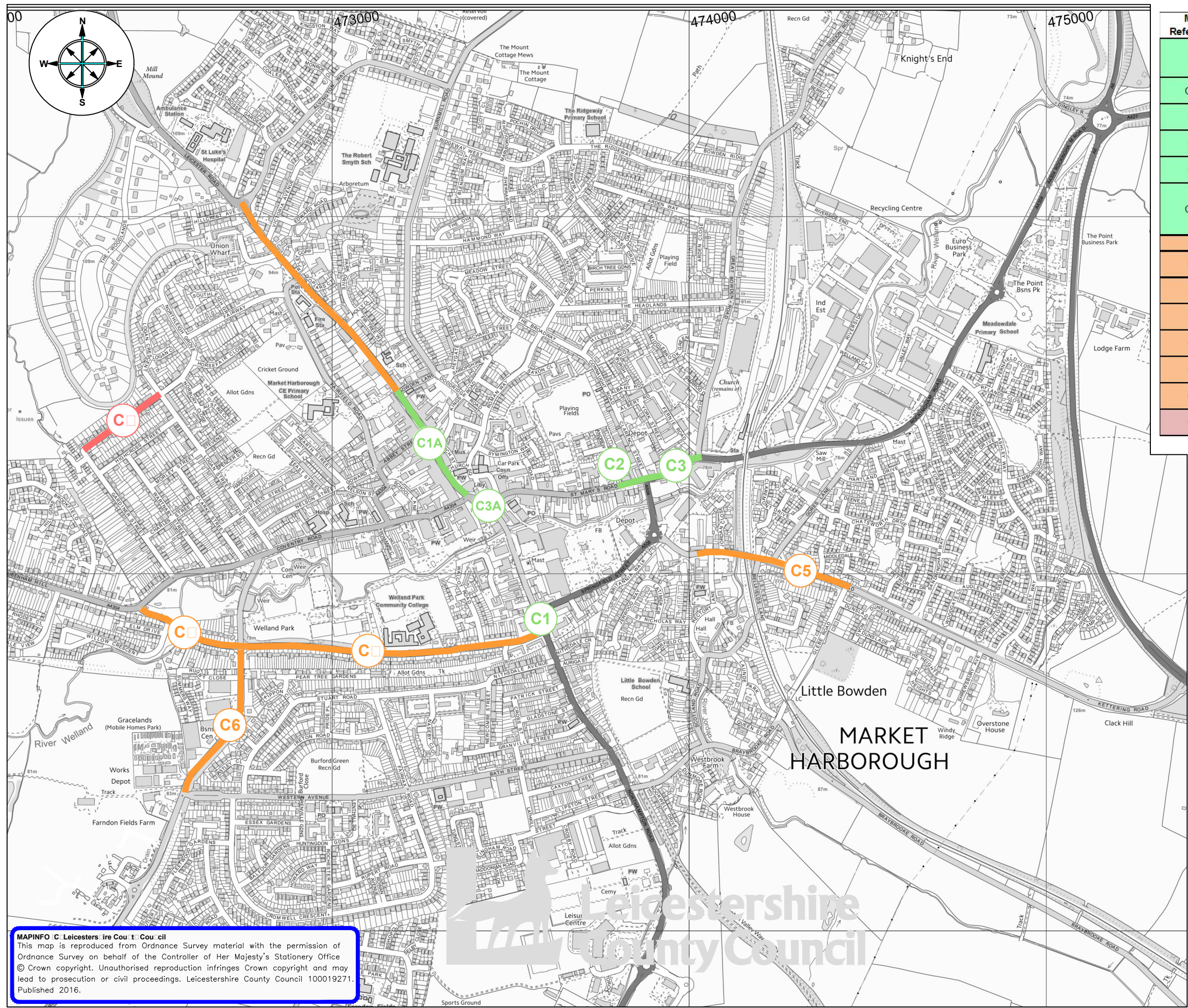
MARKET HARBOROUGH

TITLE:

IDENTIFIED FOOTWAY SCHEMES

DRAWING NUMBER	SCALE
	NTS
PREPARED BY: R DAVIES	DATE: JAN 2016
CHECKED BY:	SIZE : A3
APPROVED BY:	CORR. FILE :

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Map Reference	Road Name	Location
C1	Northampton Road	Springfield Street to Welland Park Road (Junction)
C1A	High Street	High Street – removal of block channels to HRA
C2	St Mary's Rd	McDonald Close to Kettering Road
C3	Rockingham Road	Kettering Road to Great Bowden Road
C3	Rockingham Road	Kettering Road / St Mary's Road Junction
C3A	St Mary's Rd / Northampton Road	St Mary's Rd / Northampton Road junction – removal of block paving on junction.
C4	Leicester Road	Almington Way Roundabout
C4	Leicester Road	Almington Way to Bowden Lane
C5	Kettering Road	Chry Tree PH to Gorses Lane
C5	Kettering Road	Gorses Lane to Glebe Road
C6	Farndon Road	Welland Park Road to Western Avenue
C7	Welland Park Road	Northampton Road to Farndon Road
C7	Welland Park Road	Farndon Road to Lubenham Hill
C8	Knoll Street	Gardiner Street to Logan Street



ENVIRONMENT AND
TRANSPORT DEPARTMENT

PHIL CROSSLAND
DIRECTOR

HIGHWAY MAINTENANCE

MARKET HARBOROUGH

TITLE:

IDENTIFIED CARRIAGEWAY SCHEMES

DRAWING NUMBER	SCALE
	NTS
PREPARED BY: R DAVIES	DATE: JAN 2016
CHECKED BY:	SIZE : A3
APPROVED BY:	CORR. FILE :

COUNTY HALL * GLENFIELD * LEICESTER * LE3 8ST
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