

**Norfolk Trails Maintenance New Works
Supporting Documents for Quote**

Scheme Specific Information for:

CRM/ Works Order No:	CMF-033		
Title of Works:	Heath Lane access improvements – Marriott's Way		
NCC Project Officer:	Russell Wilson	Contact No.	01603 223383
NCC Project Code:	PQ7009	Cost Centre No:	PC3200-XXXX
Quote issue date:	16/07/2021		
Quote return deadline:	30/07/2021		



Flooding problem at Heath Lane, Lenwade

Section 1- Project details and assumed items

Start Date:	Summer 2021	Completion Date:	Autumn 2021
Reason for works:	Remedial work on the Marriotts way to improve the current surface condition along the Marriott's Way at the Heath Lane entrance. Due to the chicane in place and the path is at a low point, the surface at the entrance to Marriott's Way at Heath Lane is becoming very wet and muddy. This is a hazard, especially for cyclists, as the chicane forces users to the same spot which will make the situation worse over time. A French drain has been installed previously however this is no longer sufficient to manage the amount of water on the Marriott's way. The remedial works will; 1) provide a smooth, even and level finish to the surface 2) raise surface levels where identified to allow water to drain off the surface 3) Remove the chicane barrier to give a wider surface to spread the footfall in the future		
Description of works:	Removal of bollards from either side of Marriott's way. Retention of gates and vehicle barriers. The timber 5 bar gate to be replaced with a new gate provided to the contractor by the trails team. 400 metres of surface improvement on the Marriott's way – 200m either side of Heath Lane from TG 09745 19137 to TG 09909 18953. The methodology for surfacing will be as outlined in drawing NTCMF-SURF-008. 1:40 camber to slope down towards the west. A surface scape of 100mm depth x 3000mm width is required to remove all mud / debris and leaf litter from the area. Spoils can be placed to the sides of Marriott's Way. The path width is to be 3000mm, with 100mm deep granite topped off and mechanically tamped down granite fines to create hard surface suitable for all users. Installation of 2 new aqua cells at both sides of Heath Lane and within the boundary of the Marriott's Way to improve the drainage off site. Agreement of location of the aqua cells to be agreed on site with the trails team.		

Assumed items:	1. Approximately 120m³ of Type 1 granite plus fines for topping. 2. 800m 47mm x 200mm timber board edging 3. 75mm x 75mm x 750mm stakes (2 per edging board) 4. 400m x 3m geotextile membrane 5. Four 1000mm x 500mm x 400mm Aquacell CORE-R units.
Delivered Outputs/Outcomes	1. A total of 400m x 3m smooth, even and level surface with a 1:40 camber to the western side. 2. Raised surface levels where identified to allow water to drain off the surface. 3. Removal of 1 wooden chicane barrier behind metal field gate. 4. Removal of 1 metal and wood chicane barrier behind vehicle barrier. 5. New improved drainage with the use of Aquacells. 6. Installation of new timber 5 bar gate

Section 2 - Scheme Map and Scheme Specific Drawings

The following scheme specific drawings are included:

Drawing No. <i>(CRM/ Works No)-001 etc</i>	Drawing Title
CMF-033-001	Scheme extents (location within the county)
CMF-033-002	Scheme layout (showing access, surfacing location, OH/UG utilities, public access points)
CMF-033-003	Detailed layout of road crossing area
NTCMF-SURF-008	Surface cross section

The following Appendix items are included:

Appendix	Supporting Documents/ Photographs
CMF-033-A1	Photo 1: North side of Heath Lane
CMF-033-A2	Photo 2: South side of Heath Lane
A3	Preliminary Ecological Assessment

Section 3 - Works Information

Description of works required and methodology:

Scheme works	Description/ Methodology <i>(include distances and quantities)</i>
Surface Treatment <i>200m north and 200m south of Heath Lane, Lenwade, on Marriott's Way</i>	A surface scape of 100mm depth x 3000mm width for 200m to the north and to the south of Heath Lane, starting at the edge of the metalled road. Spoils can be placed either side of the path. 100mm deep fill of Type 1 granite is to be laid on the path and mechanically tamped down. A 1:40 camber sloping down towards the western side will be created by the Type 1. Granite fines are to be laid on top of the Type 1 and mechanically tamped down to create a solid surface.
Drainage	2 Aquacells are to be installed at each side of Heath Lane. Both Aquacells are to be installed to the western side of Marriott's Way which will be the lower side of the cambered path as to allow for surface water to drain into them. Approximate location of installation sites can be seen on CMF-033-003. To be installed at a depth of 500mm. To be installed 3m from the edge of Heath Lane and to the edge of the resurfaced section of Marriott's Way running parallel to the path.
Chicane removal	Remove the chicanes at both sides of Heath Lane. The vehicle barriers and wooden fencing is to stay in situ. The holes created by the removal of the chicanes can be filled with Type 1 granite.

Section 4 - Site constraints

Identified site constraints that may impact on schedule of works or site health and safety should be considered and any impact on delivery should be included with quote.

Site Constraint	Description	Mitigation
Public Safety	Route highly used by pedestrians	Site to be secured withs Heras fencing/ safety barriers to prevent pedestrian access onto work site. Locations of where fencing is to be installed can be found on CMF-033-002.
Underground Utilities	Description of service utilities within scheme extents and if affected by works	C3/C4 enquiries to service provider to confirm construction can take place over/near to services or to provide quote estimates for any apparatus diversions/relocation, raising of utility covers
Overhead Utilities	Description of service utilities within scheme extents and if affected by works	C3/C4 enquiries to service provider to confirm construction can take place over/near to services or to provide quote estimates for any apparatus diversions/relocation, including GS6 assessments
Other		

Section 5 - Trees and Vegetation

Highlight any tree work or vegetation clearance required by contractor or confirm if all clearance will be coordinated pre-construction. Highlight any tree issues, TPOs, root protections areas if applicable.

No tree work or vegetation clearance is required

Reports to be issued with contract to awarded contractor; (delete if not applicable);

- Arboriculture Report N/A
- Vegetation/ Tree clearance plan N/A

Section 6a - Environment/ Ecology/ Heritage

Highlight any special site designations and mitigation requirements that may impact on construction.

Marriott's Way is designated as a Norfolk Wildlife Site.

Reports to be issued with contract to awarded contractor; (delete if not applicable);

- Preliminary Ecological Assessment N/A / Yes
- Biodiversity Method Statement N/A / Yes
- Ecology Toolbox Talk to be provided on first day of works N/A / Yes

Section 6b - Post Construction Biodiversity Improvements

Ecological enhancements required by contractor;

No biodiversity improvements are required.

Section 7 - Site Waste Management Plan

Requirements for waste generated from scheme

Anticipated scheme waste;

Item	Waste Description	Waste Type	Waste Status	Quantity
W1	Earthworks	Earth	non-hazardous	120 m ³
W2	Chicane barrier	Metal	non-hazardous	1
W3	Chicane barrier	Wood	non-hazardous	2

Waste requirements	All metal and timber waste to be remove offsite and appropriately disposed of by contractor. All earthworks waste to be left onsite to the sides of the path by contractor.
Recycled Infrastructure	None

Section 8 - Other Applicable Site Information

Additional requirements to be considered with quote;

Item	Description
Contractor compound and welfare	No onsite amenities. Contractor to provide own welfare unit suitable sites can be found on map CMF-033-002 or anywhere on the closed section of Marriott's Way. If using entrance to Marriott's Way, there must be no impact on Heath Lane.
Trial holes/ GPR survey/ CAT scan	Contractor prior to any excavation works, shall verify, if necessary by trial holes or GPR survey, the exact positions of all known services on site.
Contractor to carry out works and manage site	Contractor to ensure appropriate risk assessments and method statements are in place prior to works on site. Must be able to provide documents on request
Scheme completion	Scheme to be monitored and inspected on completion by Norfolk County Council Norfolk Trails Project Officer to agree project outputs have been completed and sign off works.

Section 9 - Traffic Safety and Management

Scheme will/ will not require any traffic management.

Public and Private Roads and other ways affected by the works:

Description of road(s) affected by works	Type of Traffic Control/ Management (include details of Mandatory Temporary Speed Limits)	Special Facilities or Requirements (Pedestrian / Equestrian / or Other)
Marriott's Way	Full closure of Marriott's Way during construction will be put in place by NCC. Physical closure of site must be put in place by contractor with the use of Heras fencing.	No access for pedestrians/ cycles/ horse riders along scheme extents during construction. Public to follow temporary route diversion signs which will be arranged by NCC Norfolk Trails team and will be erected on site in advance of construction start date.

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