PROJECT: Marine Hill Retaining Wall – General Maintenance 2020 – Parapet Repainting:

Document Title: Paint Specification

Doc Ref: 47W034/NSC/C/2020/Spec

Revision:

Status:

Revision	Date	Status	Written	Reviewed	Authorised
-	24/07/2020		A. Meilton	C. Bhumpelly	C. Bhumpelly

North Somerset Council
Town Hall
Walliscote
Grove Road
Weston-super-Mare
BS23 1UJ

SCOPE OF WORKS

The primary elements of the works incorporate the following:

- Deploy appropriate measures to contain any contamination generated from the works
- Scrape and hand abrade all elements of the parapet, to remove any areas of corrosion, back to bare metal or sound paint coating.
- Prime metalwork where required, ready to accept new paint system
- Apply stripe coats to appropriate areas
- Repaint the metalwork in accordance with the manufacturer's specification

List 'A': List of Numbered Appendices Referred to in the Specification for Highway Works

Volume No	Completed by	Appendix No	Title
			MAINTENANCE PAINTING OF STEELWORK
2	NSC/Contractor	50/1	Paint System Sheet
	-	50/2	Not required
	Contractor	50/3	Paint Data Sheet
	-	50/4	Not required
	NSC	50/5	General Requirements

APPENDIX 50/1: FORM HA/P1 PAINT SYSTEM SHEET

Sheet No. A

1. CONTRACT TITLE: **Marine Hill Retaining Wall – General Maintenance – Parapet Repainting**
STRUCTURE NO.: **47W034**
GRID REF.: **340301, 172035**

2. DATE OF ISSUE OF DOCUMENTS TO TENDERERS: 10th February 2021

3. ENVIRONMENT AND ACCESSIBILITY: Inland, Easy Access.

4. EXISTING PROTECTIVE SYSTEM(S)
Metal coatings: No coatings observed
Paint coatings: Unknown paint coating
Average total thickness (microns): Unknown

5. REQUIRED DURABILITY OF SYSTEM:
NO MAINTENANCE: up to 15 years
MINOR MAINTENANCE: from 15 years
MAJOR MAINTENANCE: after 20 YEARS

6. COLOUR OF FINISH
(BS4800:2011 Colour Chart)
Black 00 E 53

7. BILLED AREA: Area

REF:	AREA DESCRIPTION	SURFACE PREPARATION METHOD
1.	Areas of existing steelwork with exposed steel or corrosion.	Hand abrading and scraping
2.	Area of existing steelwork with sound existing paint coating	Lightly abraded by hand, ensuring any loose edges are feathered back to a tight and firm edge
3.		
4.		

8. PROTECTIVE SYSTEM TYPE: (i.e. I(M), II(M), III(M), etc)

I (M)

9. PAINT COAT SUMMARY

COAT & ITEM NO.	CONDITION OF SURFACES OF EXISTING SYSTEM AFTER SURFACE PREPARATION							
	Condition: St3 **Area Ref: 1**		**Condition:** Sound paint coating **Area Ref: 2**		**Condition:** **Area Ref: 3**		**Condition:** **Area Ref: 4**	
	mdft	**B or AS**	**mdft**	**B or AS**	**mdft**	**B or AS**	**mdft**	**B or AS**
1st Coat: Item: 115	100	B	-	-				
2nd Coat: Item: 116		B	100	B				
3rd Coat: Item: 168	50	B	50	B				
MIN TOTAL DFT TO BE OBTAINED	300		175	B				

Sheet No. B

10. DETAILS	1ST Coat	2nd Coat	3rd Coat	
Registered Description				
Item No. and Colour				
BBA HAPAS Roads and Bridges Certificate Reference (05/050				
Brand Name and Manufacturer's Ref. No.				
Manufacturer's Data Sheet No.				
Min dry film thickness (mdft) (μm)				
Max local dft (see sub-Clause 5012.6) (μm)				
Estimated total volume of paint likely to be used (litres)				
'A' type testing required (YES/NO) (See sub-Clause 5009.3)				
'B' type testing required (YES/NO) (See sub-Clause 5009.11) (05/05)				

11. STRIPE COAT(S) DESCRIPTION (Including Item No. and colour)

12. PATCH COAT(S) DESCRIPTION

13. ADDITIONAL INFORMATION (By Paint Manufacturer)

14. PAINT MANUFACTURER'S OFFICIAL STAMP

15. Mdft (μm)	16. APPROVED BY:
NOTE: The minimum total dry film thickness (mdft) of the paint system, neglecting primers and sealers under 30 microns, shall be 15% greater (to the nearest 25 microns) than the sum of the mdfts of the individual paint coats.	DATE:

APPENDIX 50/3: FORM HA/P2 PAINT DATA SHEET

(05/05) BBA HAPAS Road and Bridges Certificate Reference and Date:

Manufacturer :

Item No. :

Registered Description :

Brand Name and Reference No. :

Consistency and Method of Application :

Weight per 5 Litres (kg) :

Specific gravity: Colour:

For two-pack paints: (05/05)

Base: Activator: Mixed components:

Volume Solids % :

For two-pack paints volume solids % for mixed paint: (05/05)

VOC content g/l (mixed): :

Manufacturer's Minimum Dry Film Thickness Range

Recommended lower mdft :

Recommended upper mdft :

Full Application Instructions :

Mix ratio :

Flash Point :

Temperature		5°C	10°C	20°C	30°C
Drying Times (hours)	Surface dry				
	Hard Dry				
Overcoating Times (hours)	Minimum				
	Maximum				
Pot Life (hours)					

Cleaning Solvent/thinner :

State effects on Drying Times of

Temperatures below 20°C :

Manufacturer's Application Restrictions,

e.g. for Temperatures or Humidity :

Manufacturer's General Recommendations :

APPENDIX 50/5: GENERAL REQUIREMENTS

1. Appropriate measures must be taken to contain all contamination, dust and debris generated during the preparation stage, and paint drips and the like generated during the painting stage. Paint samples from the metalwork shall be tested to determine the presence or not of lead, prior to commencement of any works on the existing metalwork.

   Areas of loose and flaking paint and corrosion to be scraped and hand abraded back to bare metal, then the resultant areas of exposed steel to be spot primed, ready to accept the new paint system.

   Stripe coats to be applied to appropriate areas.

   Repainting of the metalwork shall be undertaken in accordance with necessary safe systems of work with prior approval of the Overseeing Organisation.

2. The use of solvents is permitted.

3. Fasteners shall be prepared and painted to the same standard as adjacent main surfaces.

4. Not applicable.

5. Not required.

6. Not applicable.

7. Testing of paint samples not required.

8. Procedure trials not required.

9. Stripe coats in accordance with sub-Clause 5012.15.

10. Overcoating times in accordance sub-Clause 5012.32.

11. Not applicable.