COATING SPECIFICATION

COATING PROCEDURES FOR STEEL PIPE AT THE CONCRETE INTERFACE & SINTAKOTE® PIPE JOINT

1.0 SCOPE

This document summarises the coating procedure for steel pipe at a concrete interface and where it interfaces with Sintakote® pipe as shown in the various scenarios in Figure 1:

- Steel pipe at concrete interface
- Steel pipe connection to Sintakote® pipe

The recommended Corporation specifications are as follows:

<table>
<thead>
<tr>
<th>A1</th>
<th>Surface Preparation for the Application of Protective Coatings on Steel or Cast Iron</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>High Build Epoxy Coating on Steel or Cast Iron</td>
</tr>
<tr>
<td>A1</td>
<td>Surface Preparation for the Application of Protective Coatings on Steel or Cast Iron</td>
</tr>
<tr>
<td>C2</td>
<td>Zinc Rich Epoxy Primer, Epoxy Mastic Coat, Polyurethane Top Coat on Steel or Cast Iron</td>
</tr>
<tr>
<td>A7</td>
<td>Surface Preparation for the application of Protective Coatings on Sintakote®</td>
</tr>
<tr>
<td>E5</td>
<td>Epoxy Mastic, Polyurethane Top Coat on Sintakote®</td>
</tr>
</tbody>
</table>

Note 1:
If anti-graffiti properties are required, replace the specified top coat with 2 coats of 50 microns nominal dry film thickness “Anti-graffiti Polyurethane” with a total thickness of 100 microns as described in Corporation Coating Specification J1.

Refer Design Standard, DS 95 (Standard for the Selection, Preparation, Application, Inspection and Testing of Protective Coatings on Water Corporation Assets) for details for additional information or clarification.

Note 2:
Where these coatings are to be applied in and around pump station or in close proximity of other mechanical and electrical equipment that could be adversely effected by the scattering of the blast medium, low dust blasting processes such as “Sponge Jet” or vacuum extraction at the blast head shall be consider.
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Concrete Wall

Coating on Steel Surface at the concrete interface:
Surface Preparation Spec : A1
Coating on Steel Spec : D1

On Above Welded Joint Surface:
Surface Preparation Spec : A1
Coating Spec on Steel Pipe: C2

On Above Ground Sintakote Surface:
Surface Preparation Spec : A7
Coating Spec : E5 (when colour coat is required)
Coating Spec on Sewerage Pipe: Not Required

On Above Ground Steel Surface:
Surface Preparation Spec : A1
Coating Spec on Steel Pipe: C2

Figure 1 - Coating for various jointed pipes.

Note: Colours in the above diagram is indicative only, standard pipeline coating colours to be used.
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