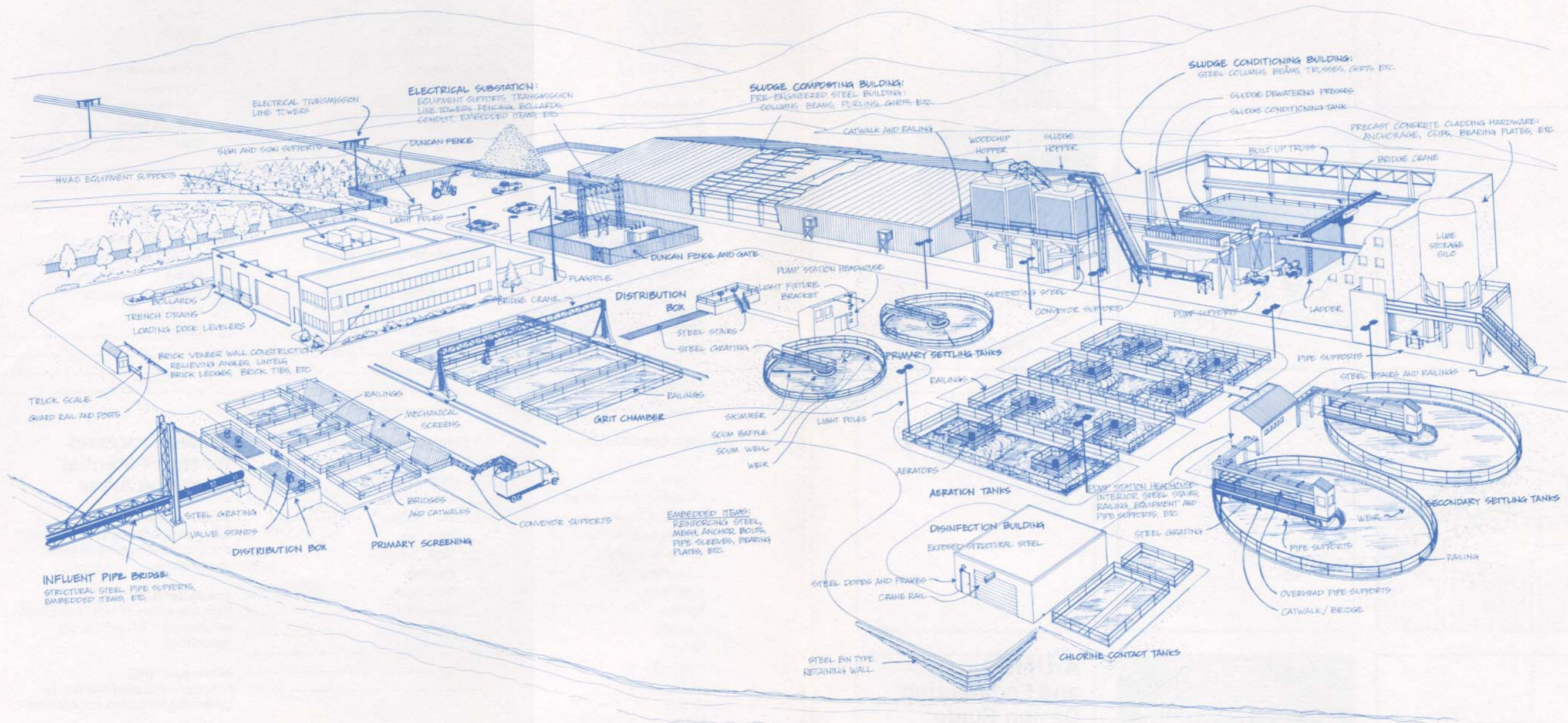


**Architectural
and Engineering
Design Guide**

**High Potential
Corrosion Areas
in Waste Water
Facilities**



Waste Water Facilities—Design Check List

Project Name _____ Date _____

I Primary & Secondary Treatment

- ___ Railings
- ___ Steel Grating
- ___ Pipe Supports
- ___ Pipe Bridges
- ___ Ladders
- ___ Structural Steel
- ___ Guide Rail
- ___ Embedded Items
- ___ Bridges
- ___ Catwalks
- ___ Valve Stands
- ___ Mechanical Screens
- ___ Conveyor Supports
- ___ Overhead Bridge Crane
- ___ Steel Stairs
- ___ Scum Baffle
- ___ Skimmer
- ___ Scum Well
- ___ Weirs
- ___ Aerators
- ___ Other _____
- ___ _____
- ___ _____
- ___ _____

II Sludge Conditioning

- ___ Pump Supports
- ___ Bridge Crane
- ___ Precast Veneer Hardware
- ___ Overhead Trusses
- ___ Steel Column Beams
- ___ Conveyor Supports
- ___ Supporting Steel
- ___ Steel Stairs
- ___ Railings
- ___ Catwalks
- ___ Ladders
- ___ Pipe Supports
- ___ Girts
- ___ Purlins
- ___ Other _____
- ___ _____
- ___ _____

III Sludge Composting

- ___ Conveyor Supports
- ___ Supporting Steel
- ___ Catwalks
- ___ Railing
- ___ Columns
- ___ Beams
- ___ Purlins
- ___ Ladders
- ___ Girts
- ___ Pipe Supports
- ___ Other _____
- ___ _____
- ___ _____
- ___ _____

IV Disinfection Building

- ___ Exposed Structural Steel
- ___ Steel Doors and Frames
- ___ Steel Retaining Wall
- ___ Railings
- ___ Other _____
- ___ _____
- ___ _____
- ___ _____

V Operations Building

- ___ Loading Dock Levellers
- ___ Relieving Angles
- ___ Lintels
- ___ Brick Ledges
- ___ Brick Ties
- ___ HVAC Supports
- ___ Flag Pole
- ___ Truck Scale
- ___ Guard Rail
- ___ Other _____
- ___ _____
- ___ _____
- ___ _____

VI Electrical Substation

- ___ Equipment Supports
- ___ Transmission Towers
- ___ Fencing
- ___ Bollards
- ___ Conduit
- ___ Embedded Items
- ___ Light Poles
- ___ Light Fixture Brackets
- ___ **Duncan Fence**
- ___ Other _____
- ___ _____
- ___ _____
- ___ _____

VII Pump Stations

- ___ Interior Steel Stairs
- ___ Railing
- ___ Equipment Supports
- ___ Pipe Supports
- ___ Other _____
- ___ _____
- ___ _____
- ___ _____

Proven Processes for High Potential Corrosion Areas

Duralgalv (DG)
Enhanced hot dip galvanizing for today's steel utilizing environmentally friendly High Grade zinc.

Colorshield (CS)
A translucent polymer coating that is *perfect* for those areas where a hint of color is desired.

Primergalv (PG)
A factory applied universal primer for freshly galvanized steel, which is to receive a field-applied topcoat.

Colorgalv (CG)
A patented and warranted factory-applied architectural color finish for hot dip galvanized steel.

Thermoset (TS)
A high performance, dry applied polyester material that can be applied over ANY metal substrate including aluminum, or "black steel". Ideal for interior applications or wherever "architectural definition" is required

Thermoplex (TP)
A high performance dry applied thermoplastic elastomeric coating that can be applied over ANY metal substrate including aluminum, or "black steel". Exceptionally durable, it has been proven to withstand 20,000 salt spray testing.

Colorgalv Thermoset (CGTS) and Colorgalv Thermoplex (CGTP)
Where extreme corrosion is a concern, Duncan Colorgalv Thermoset and Duncan Colorgalv Thermoplex are designed to be applied over a freshly galvanized surface.



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Quality Since 1890