

SECTION 00020 - TABLE OF CONTENTS

VOLUME II - TECHNICAL SPECIFICATIONS

<u>Section</u>		<u># of Pages</u>
<u>DIVISION 1 – GENERAL REQUIREMENTS</u>		
01010	Summary of Work	2
01070	Abbreviations	2
01090	Reference Standards	1
01300	Contractor Submittals	4
01505	Mobilization	1
01510	Temporary Utilities	2
01530	Protection of Existing Facilities	2
01550	Site Access and Storage	1
01560	Project Environmental Controls	2
01600	Materials and Equipment	1
01660	Equipment Testing and Plant Startup	1
01700	Project Closeout	2
01730	Operation and Maintenance Manuals	3
<u>DIVISION 2 – SITEWORK</u>		
02200	Earthwork	7
02510	A. C. Pavement and Base	4
02620	Reinforced Concrete Pipe, Manholes and Catch Basins	2
02630	Ductile Iron Pipe	5
02640	Plastic Pipe	4
02666	Pipeline Testing	2
02667	Hydraulic Structures Testing	2
02730	Sanitary and Storm Drainage System Testing	2
02900	Geotechnical Report	29
<u>DIVISION 3 – CONCRETE</u>		
03100	Concrete Formwork	4
03200	Reinforcement Steel	4
03290	Joints in Concrete	4
03300	Cast-in-Place Concrete	18
03315	Grouting Mortar	3
<u>DIVISION 4 – MASONRY</u>		
04220	Split & Smooth Face Concrete Masonry Units	2
<u>DIVISION 5 – METALS</u>		
05400	Light Metal Framing	4
05500	Miscellaneous Metal Work	4
05521	Aluminum Railing	3
05600	Pre-Engineered Metal Building	9
<u>DIVISION 6 – CARPENTRY</u>		
06100	Rough Carpentry	4
06200	Finish Carpentry and Millwork	6
06600	Fiberglass Reinforced Polymer Products and Fabrication	4

Section

of Pages

DIVISION 7 – ROOFING

07210	Insulation	4
07460	Siding Soffit and Facia	2
07540	Thermoplastic Roofing Membrane	8
07600	Flashing and Sheet Metal	4
07610	Standing Seam Metal Roof	4
07920	Sealants, Caulking, and Below-Grade Waterproofing	3

DIVISION 8 – DOORS AND WINDOWS

08110	Steel Doors and Frames	4
08350	Insulated Steel Sectional Doors	2
08360	Roll-up Doors	2
08520	Aluminum Architectural Windows	4
08710	Finish Hardware	5
08800	Glazing	3

DIVISION 9 – FINISHES

09250	Gypsum Board	4
09310	Ceramic Tile	4
09800	Protective Coatings	9
09900	Architectural Paint Finishes	5

DIVISION 11 – EQUIPMENT

11000	Owner Furnished Equipment	5
11205	FRP Weirs and Scum Baffles	2
11386	Linear Motion Mixer	4
11500	Trolley, Hoist, and Crane Systems	3
11610	Fume Hood	7

DIVISION 12 – NOT USED

DIVISION 13 – NOT USED

DIVISION 14 – NOT USED

DIVISION 15 – MECHANICAL

15050	General Pipes and Fittings	12
15100	Valves	14
15105	Aluminum Launder Covers	2
15110	Aluminum Slide Gates	2
15140	Supports and Anchors	8
15190	Mechanical Identification	4
15200	Boilers	4
15205	Heat Exchangers	7
15210	Waste Gas Handling Equipment	7
15440	Plumbing Fixtures	4
15515	Recirculation Pump	4
15535	End Suction Centrifugal Pump	2
15550	Submersible Wet Pit Pumps	4
15575	Horizontal Chopper Pumps	9
15800	Heating, Ventilation, and Air Conditioning	2
15855	Exhaust and Vent Fans	3
15856	Odor Control System	2

<u>Section</u>	<u># of Pages</u>
15860	Air Outlets and Inlets..... 4
15874	Fixed Digester Cover 6
15920	Generator Day Tank and Fuel Lines..... 2
15940	Welded Steel Tanks..... 3

DIVISION 16 – ELECTRICAL

16000	General Electrical Requirements 8
16060	Electrical Demolition..... 2
16111	Conduits 5
16123	600 Volt Class Cable..... 3
16124	Instrumentation Class Cable 2
16130	Outlet, Pull, and Junction Boxes 5
16141	Wiring Devices 5
16142	Weatherproof While in Use Outlet Enclosure 2
16143	Terminal Blocks..... 2
16160	Enclosures 2
16161	Control Panels..... 5
16170	Grounding 4
16190	Supporting Devices..... 4
16195	Electrical Identification 5
16420	Service Station Entrance 2
16429	Low-Voltage Distribution Switchboards 6
16430	Customer Power Metering System 3
16440	Disconnect Switches 1
16461	Transformers (Dry Type)..... 2
16470	Panelboards..... 2
16476	Low Voltage Circuit Breakers..... 2
16477	600 Volt Fuses 3
16480	Motor Controllers..... 4
16481	Motor Control Centers (MCC)..... 3
19495	Automatic Transfer Switch 2
16500	Lighting..... 5
16505	Transient Voltage Surge Suppression System 9
16611	Static Uninterruptible Power Supply 1
16902	Electrical Controls, Relays, and Alarms..... 4
16903	Programmable Logic Controllers 1
16904	Variable Frequency Drives 5
16940	Communication Cabling System..... 11
16950	Electrical Testing..... 7

DIVISION 17 – INSTRUMENTATION

17000	Instrumentation 13
17111	Float Switches..... 2
17120	Pressure Transmitters..... 3
17121	Pressure Switches 2
17122	Pressure Gauges..... 2
17123	Ultrasonic Level Transmitters 2
17125	Radar Level Meters..... 2
17134	Flow Switches 2
17135	Ultrasonic Open Channel Flowmeter 2
17137	Magnetic Flow Meters..... 4
17139	Insertion Mass Flowmeters 3
17140	Temperature Sensor and Transmitter..... 3
17222	Signal Conditioners 2
17300	ORP Sensor and Analyzer/Transmitter..... 2
17310	D.O. Sensor and Analyzer/Transmitter 3

