

TABLE OF CONTENTS

	Page
C-111 Advertisement for Bids	1 - 2
C-200 Instruction to Bidders	1 – 11
C-410 Bid Form for Construction Projects	1 - 9
C-430 Bid Guaranty and Contract Bond	1 - 2
C-510 Notice of Award	1
C-520 Agreement Between Owner and Contract for Construction Contract	1 – 8
C-550 Notice to Proceed	1
C-610 Performance Bond	1 – 2
C-614 Maintenance and Guarantee Bond)	1 – 3
C-620 Contractor’s Application for Payment	1 – 4
C-625 Certificate of Substantial Completion	1
C-700 General Conditions	1 - 73
Article 1 - Definitions and Terminology	
Article 2 - Preliminary Matters	
Article 3 - Documents: Intent, Requirements, Reuse	
Article 4 - Commencement and Progress of the Work	
Article 5 - Availability of Lands; Subsurface and Physical Conditions; Reference Points	
Article 6 - Bonds and Insurance	
Article 7 - Contractor’s Responsibilities	
Article 8 - Other Work at the Site	
Article 9 - Owner’s Responsibilities	
Article 10 - Engineer’s Status During Construction	
Article 11 - Amending the Contract Documents; Changes in the Work	
Article 12 - Claims	
Article 13 - Cost of the Work; Allowances; Unit Price Work	
Article 14 - Tests and Inspections; Correction, Removal or Acceptance of Defective Work	
Article 15 - Payments to Contractor; Set Offs; Completion; Correction Period	
Article 16 - Suspension of Work and Termination	
Article 17 - Final Resolution of Disputes	
Article 18 - Miscellaneous	
C-800 Supplementary Conditions	1 – 22
Exhibit 1 - Wage Rates	
Exhibit 2 - Funding Requirements	
C-941 Change Order	1
C-942 Field Order	1

Foreword to Technical Specifications

DIVISION 1 - GENERAL REQUIREMENTS

01010	Definition of Contract Items	1 – 2
01021	Allowances	1 - 3
01043	Coordination and Control of the Work	1 – 8
01090	Reference Standards	1 – 2
01300	Submittals	1 – 8
01310	Construction Schedules and Documentation	1 – 5
01320	Electronic Project Management System (EPMS)	1 – 3
01350	Common Product Requirements	1 – 3
01410	Laboratory Services	1 – 4
01500	Maintaining Traffic	1 – 5
01510	Temporary Facilities	1 – 4
01540	Security	1 – 2
01565	Temporary Restoration Maintenance of Pavements Curbs and Walkways	1 - 3
01568	Pollution Control	1 – 6
01610	Disinfection of Potable Water	1 - 2
01650	Startup Commissioning Requirements	1 – 12
01681	Progress Cleaning	1 – 3
01800	Construction Survey Work	1 – 5
01810	Video Recording	1 – 4

DIVISION 2 - UNDERGROUND, PAVEMENT, AND SITE WORK

02100	Clearing and Grubbing	1 – 3
02110	Removal of Structures and Obstructions	1 – 7
02200	Excavation and Backfill	1 - 12
02552	Precast Concrete Manholes	1 - 7
02554	Catch Basins and Inlets	1 – 3
02556	Fire Hydrant Assemblies (Water Lines)	1 – 2
02600	Pavements, Curbing, and Walks	1 – 7
02710	Fencing	1 – 4
02800	Sodding, Seeding, and Mulching	1 - 4

DIVISION 3 - CONCRETE

03100	Concrete Formwork	1 – 5
03150	Waterstop	1 – 4
03200	Concrete Reinforcement	1 – 7
03300	Cast-in-Place Concrete	1 – 29
03310	Grout	1 – 4
03400	Structural Precast Concrete	1 – 8
03510	Concrete Toppings	1 - 3

DIVISION 4 - MASONRY

04200	Unit Masonry	1 – 20
04435	Cast Stone	1 – 4

DIVISION 5 - METALS

05500	Metal Fabrications	1 – 14
05510	Metal Stairs	1 – 6
05520	Metal Pipe Railing	1 – 6
05530	Metal Bar Grating	1 – 4
05540	Iron Castings	1 - 3
05550	Stair Nosings	1 – 2
057500	Decorative Formed Metal	1 - 6

DIVISION 6 - WOOD AND PLASTICS

06500	Structural Plastics	1 – 4
06610	Plastic Grating	1 – 3
068316	Fiberglass Reinforced Paneling	1 - 2

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

07210	Thermal Insulation	1 – 5
07270	Firestopping	1 – 7
077253	Snow Guards	1 - 2
07900	Caulking and Sealants	1 – 3

DIVISION 8 - DOORS AND WINDOWS

080671	Door Hardware Schedule	1 - 8
081113	Hollow Metal Doors and Frames	1 - 5
082300	FRP Panel Doors and Frames	1 - 2
083323	Overhead Coiling Doors – Overhead Door	1 - 4
083613	Sectional Doors – Overhead Door	1 - 3
085113	Aluminum Windows	1 - 4
087100	Door Hardware	1 - 8
088000	Glazing	1 - 4

DIVISION 9 - FINISHES

092116	Gypsum Board Assemblies	1 - 6
095100	Acoustical Ceilings	1 - 4
096500	Resilient Flooring	1 - 2
09880	Protective Coating for Concrete	1 - 3
09900	Painting	1 - 18

DIVISION 10 - SPECIALTIES

101419	Dimensional Letter Signage	1 - 2
--------	----------------------------	-------

101423	Panel Signage	1 - 3
102800	Toilet, Bath, and Laundry Accessories	1 - 4
104400	Fire Protection Specialties	1 - 2
10701	Plaques and Ornamental Signs	1 - 2
10702	Signs and Tags	1 - 5
10880	Scales	1 - 3

DIVISION 11 - EQUIPMENT AND SYSTEMS

11020	Unitized Treatment System	1 - 18
11030	Softening Equipment	1 - 16
11050	Common Equipment Requirements	1 - 9
11222	Chemical Tanks	1 - 6
11223	Chemical Pump Systems	1 - 7
11224	Chemical Pump System Accessories	1 - 3
11600	Laboratory Furniture and Equipment	1 - 16
11735	Pumping Equipment	1 - 7

DIVISION 12 – FURNISHINGS

123661	Solid Surfacing	1 - 4
--------	-----------------	-------

DIVISION 13 - SPECIAL CONSTRUCTION

13205	Steel Ground Storage Tank	1 - 12
13650	Pre-Engineered Metal Building	1 - 21
13930	Wet Pipe Fire Suppression Sprinklers	1 - 17

DIVISION 14 - CONVEYING SYSTEMS

14300	Hoists and Cranes	1 - 2
-------	-------------------	-------

DIVISION 15 - MECHANICAL

15010	General Mechanical Provisions	1 - 8
15075	Identification HVAC Plumbing Piping Equipment	1 - 3
15080	Plumbing Insulation	1 - 9
15081	HVAC Insulation	1 - 12
15140	Domestic Water Piping	1 - 17
15150	Sanitary Waste and Vent Piping	1 - 11
15195	Facility Natural Gas Piping	1 - 12
15210	Piping	1 - 21
15211	Small Piping and Valves	1 - 16
15214	Compressed Air Systems	1 - 12
15250	Valves	1 - 9
15410	Plumbing Fixtures	1 - 9
15481	Fuel Fired Domestic Water Heaters	1 - 4
15530	Furnaces	1 - 7

15540	Fuel Fired Heaters	1 – 4
15550	Breeching Chimneys and Stacks	1 – 5
15750	Humidity Control Equipment	1 - 3
15760	Terminal Heating and Cooling Units	1 – 9
15810	Ductwork	1 – 9
15820	Duct Accessories	1 – 6
15830	Fans	1 – 8
15850	Air Outlets and Inlets	1 – 4
15855	Louvers	1 – 4
15905	HVAC Instrumentation and Control	1 – 5
15950	Testing Adjusting and Balancing of HVAC Systems	1 - 11

DIVISION 16 - ELECTRICAL

16010	General Electrical Provisions	1 – 4
16020	Grounding and Bonding	1 – 6
16030	Electrical Identification	1 – 3
16050	Electrical Testing	1 – 4
16060	Hangers and Supports	1 – 3
16120	Conductors and Cables (600 Volts and Less)	1 – 8
16121	Control and Signal Conductor and Cables	1 – 6
16122	Wiring Devices	1 – 6
16130	Conduit, Surface Metal Raceways and Accessories	1 - 10
16132	Accessories	1 – 4
16220	Diesel Generators	1 – 14
16251	Surge Protective Devices (SPD)	1 – 4
16347	Short Circuit Coordination Study – Arc Flash Hazard Analysis (WIP)	1 – 10
16410	Panelboards	1 – 7
16411	Switchboards	1 – 6
16421	Motor Control Center	1 – 17
16422	Motor Starters and Contactors	1 – 8
16430	Disconnect Switches	1 – 4
16431	Circuit Breakers	1 – 6
16432	Low Voltage Fuses and Fuse Holders	1 – 4
16440	Automatic Transfer Switches	1 – 7
16450	Distribution Transformers	1 - 5
16510	Lighting	1 – 6
16610	Lightning Protection Systems	1 – 5
16620	Electric Heat Tracing	1 – 4
16720	Fire Alarm and Detection System	1 – 29
16902	Metering and Control Equipment	1 - 18
16903	Control Panels	1 – 8
16905	Programmable Controller System	1 - 10

IF ANY OF THE PAGES LISTED ABOVE ARE NOT INCLUDED IN THESE CONTRACT DOCUMENTS, PLEASE ADVISE.

END OF SECTION