## SECTION 17300 – PROVISIONAL

## PROGRAMMABLE LOGIC CONTROLLERS

***Provisional Specification Summary:***

*1.1 Replace this section as shown below.*
*1.1.01– Delete this subsection (Not Applicable).*
*1.5 – Delete this subsection (Not Applicable).*
*2.1.02– Delete this subsection (Not Applicable).*
*2.1.03– Delete this subsection (Not Applicable).*
*2.1.04– Delete this subsection (Not Applicable).*
*2.1.05 - Replace this subsection with a new subsection as shown below.*
*2.1.06– Delete this subsection (Not Applicable).*
*2.1.07– Delete this subsection (Not Applicable).*
*2.1.08– Delete this subsection (Not Applicable).*
*2.1.09– Delete this subsection (Not Applicable).*
*2.1.10 – Delete this subsection (Not Applicable).*
*2.2 – 2.2.11 Delete these sections and subsections (Not Applicable)*
*2.2.12 - Replace this subsection with a new subsection as shown below*
*2.2.13 – 2.2.14 Delete these subsections (Not Applicable)*
*2.2.15 - Replace this subsection with a new subsection as shown below*
*2.2.16 – 2.2.17 Delete these subsections (Not Applicable)*
*2.2.18 - Replace this subsection with a new subsection as shown below*
*2.2.19 – 2.2.20 Delete these subsections (Not Applicable)*
*2.3– Delete this section and all its subsections (Not Applicable).*
*2.4 – Delete this section and all its subsections (Not Applicable).*
*2.5– Delete this section and all its subsections (Not Applicable).*
*2.6– Delete this section and all its subsections (Not Applicable).*
*2.7– Delete this section and all its subsections (Not Applicable).*
*2.8– Delete this section and all its subsections (Not Applicable).*
*2.9– Delete this subsection (Not Applicable).*
*3.1– Delete this subsection (Not Applicable).*
*3.2.01 – Replace this subsection as shown below.*
*3.2.02 Delete this subsection (Not Applicable).*
*3.3– Delete this subsection (Not Applicable).*

1.1 SCOPE. The work under this section consists of the addition of new I/O modules to existing Emerson Ovation I/O Cabinets and reprogramming existing Emerson Ovation software to delete and add I/O signals as indicated in Section 17300SCH, Section 17400 and the Contract Drawings.

1.1.01 Control System. **Delete – Not Applicable.**

1.5 SPARE PARTS. **Delete – Not Applicable.**

2.1.02 Initial, Spare, and Future Memory (RAM). **Delete – Not Applicable.**

2.1.03 Spare I/O. **Delete – Not Applicable.**

2.1.04 Expandability. **Delete – Not Applicable.**

2.1.05 Acceptable Manufacturers. The I/O modules shall be manufactured by Emerson.

2.1.06 Signal Power Supplies. **Delete – Not Applicable.**

2.1.07 Appurtenances. **Delete – Not Applicable.**

2.1.08 PLC Arrangement. **Delete – Not Applicable.**

2.1.09 Master Plant Control PLC. **Delete – Not Applicable.**

2.1.10 Each Major Treatment Building. **Delete – Not Applicable.**

2.2.12 Isolated Discrete Input Modules. The 16 point isolated discrete input modules shall be Emerson Ovation Model No. IC31234G01/IC331238HO1.

2.2.15 Relay Discrete Output Modules. The 16 point discrete output modules shall be Emerson Ovation Model No. 1C31122G01/1C31125G02.

2.2.18. Analog Output Modules. The 4 point analog output modules shall be Emerson Ovation Model No. IC31129G03/IC31132G01A.

2.3 MINI PLC PROCESSOR. **Delete this section and all its subsections– Not Applicable.**

2.4 Input/Output Hardware. **Delete this section and all its subsections– Not Applicable.**

2.5 COMMUNICATIONS. **Delete this section and all its subsections– Not Applicable.**

2.6 PROGRAMMING DEVICE HARDWARE. **Delete this section and all its subsections– Not Applicable.**

2.7 PROGRAMMING SOFTWARE. **Delete this section and all its subsections– Not Applicable.**

2.8 SYSTEM ENCLOSURES. **Delete – Not Applicable.**

2.9 SYSTEM ENCLOSURES. **Delete – Not Applicable.**

3.1 INSTALLATION REQUIREMENTS. **Delete – Not Applicable.**

3.2.01 PLC Programming and Configuration. Configuration services are specified in Section 17400, Software Control Block Descriptions.

The Contractor shall reprogram existing programs at the WWTP to delete and add I/O signals as indicated in Section 17300SCH, Section 17400 and the Contract Drawings.

3.2.02 Communications Configuration. **Delete – Not Applicable.**

3.3 FIBER OPTIC CABLE INSTALLATION AND TESTING. **Delete – Not Applicable.**

End of Provisional Section

THIS PAGE INTENTIONALLY LEFT BLANK