

# CITY OF CHATTANOOGA, TENNESSEE

# CITICO PUMP RELIABILITY IMPROVEMENTS

CONTRACT NO. W-16-013-201

## CONSENT DECREE PROGRAM



**MAYOR**

ANDY BERKE

**CITY COUNCIL**

- DISTRICT 1 - CHIP HENDERSON
- DISTRICT 2 - JERRY MITCHELL, CHAIRMAN
- DISTRICT 3 - KEN SMITH, VICE CHAIRMAN
- DISTRICT 4 - DARRIN LEDFORD
- DISTRICT 5 - RUSSELL GILBERT
- DISTRICT 6 - CAROL B. BERZ
- DISTRICT 7 - ERSKINE OGLESBY
- DISTRICT 8 - ANTHONY BYRD
- DISTRICT 9 - DEMETRUS COONROD

**DEPARTMENT OF PUBLIC WORKS**

JUSTIN C. HOLLAND, ADMINISTRATOR

PREPARED BY:



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(770) 587-4776

APRIL 2017

**ISSUED FOR CONSTRUCTION**

DWG. NO. TITLE

**GENERAL DRAWINGS**

- G001 COVER SHEET
- G002 LOCATION MAP
- G003 GENERAL NOTES

**CIVIL DRAWINGS**

- C001 CIVIL LEGEND
- C101 OVERALL SITE PLAN
- C102 SURVEY CONTROL PLAN
- C103 EROSION CONTROL PLAN
- C104 DEMOLITION PLAN
- C105 PAVING AND GRADING PLAN
- C106 ENLARGED GRADING PLAN
- C107 UTILITY PLAN
- C301 UTILITY SECTIONS
- C501 SITE DETAILS 1
- C502 SITE DETAILS 2
- C503 SITE DETAILS 3
- C504 EROSION CONTROL DETAILS 1
- C505 EROSION CONTROL DETAILS 2

**LANDSCAPE DRAWINGS**

- L101 PLANTING PLAN & DETAILS

**ARCHITECTURAL DRAWINGS**

- A001 ARCHITECTURAL LEGEND AND ABBREVIATIONS
- A101 ENLARGED PUMP STATION FLOOR PLAN
- A102 ROOF PLAN, ELEVATIONS AND SECTIONS

**STRUCTURAL DRAWINGS**

- S001 STRUCTURAL LEGEND
- S002 STRUCTURAL GENERAL NOTES
- S101 STRUCTURAL BASE PLAN
- S102 STRUCTURAL PLAN
- S103 STRUCTURAL TOP PLAN
- S104 STRUCTURAL TOP SLAB REINFORCEMENT PLAN
- S105 BRIDGE CRANE PLAN
- S106 ROOF FRAMING PLAN
- S107 FOUNDATION PLAN AND SECTIONS
- S201 FRAMING ELEVATIONS
- S301 STRUCTURAL SECTIONS 1
- S302 STRUCTURAL SECTIONS 2
- S303 STRUCTURAL SECTIONS AND DETAILS 1
- S304 STRUCTURAL SECTIONS AND DETAILS 2
- S305 STRUCTURAL SECTIONS AND DETAILS 3
- S306 STRUCTURAL SECTIONS AND DETAILS 4
- S307 STRUCTURAL SECTIONS AND DETAILS 5
- S501 STRUCTURAL STANDARD DETAILS 1
- S502 STRUCTURAL STANDARD DETAILS 2
- S503 STRUCTURAL STANDARD DETAILS 3
- S504 STRUCTURAL STANDARD DETAILS 4

DWG. NO. TITLE

**ELECTRICAL DRAWINGS**

- E001 ELECTRICAL LEGEND
- E101 ELECTRICAL SITE PLAN
- E102 EMERGENCY BACKUP PUMP STATION POWER PLAN
- E103 PUMP STATION POWER PLAN
- E104 EMERGENCY BACKUP PUMP STATION LIGHTING & SMALL POWER PLAN
- E105 PUMP STATION LIGHTING & SMALL POWER PLAN
- E106 EMERGENCY BACKUP PUMP STATION INSTRUMENTATION & CONTROL PLAN
- E107 PUMP STATION INSTRUMENTATION & CONTROL PLAN
- E108 PUMP STATION LIGHTING & SMALL POWER DEMO PLAN
- E109 PUMP STATION POWER DEMO PLAN
- E301 DUCT BANK SECTIONS
- E302 CABLE TRAY SECTIONS
- E303 CABLE TRAY SECTIONS & EQUIPMENT ELEVATIONS
- E501 ELECTRICAL DETAILS SHEET 1
- E502 ELECTRICAL DETAILS SHEET 2
- E503 ELECTRICAL DETAILS SHEET 3
- E504 ELECTRICAL DETAILS SHEET 4
- E505 ELECTRICAL DETAILS SHEET 5
- E506 ELECTRICAL DETAILS SHEET 6
- E507 ELECTRICAL DETAILS SHEET 7
- E601 EXISTING ONE-LINE DIAGRAM
- E602 ONE-LINE DIAGRAM
- E603 ONE-LINE DIAGRAM AND PANELBOARD SCHEDULE
- E604 SCADA ARCHITECTURE DIAGRAM
- E605 CONTROL DIAGRAM SHEET 1 - EBPS VFD
- E606 CONTROL DIAGRAM SHEET 2
- E607 CONTROL DIAGRAM SHEET 3
- E608 CONTROL DIAGRAM SHEET 4

**MECHANICAL DRAWINGS**

- M001 MECHANICAL LEGEND, ABBREVIATIONS AND NOTES
- M101 HVAC PLAN ELEVATION 665
- M102 HVAC PLAN ELEVATION 640
- M301 MECHANICAL SECTIONS 1
- M302 MECHANICAL SECTIONS 2
- M501 MECHANICAL SCHEDULES
- M502 HVAC SEQUENCE OF OPERATIONS
- M503 HVAC DETAILS
- M701 HVAC DEMOLITION PLAN
- M702 HVAC DEMOLITION SECTION

**PROCESS DRAWINGS**

- D001 PROCESS LEGEND SHEET 1
- D002 PROCESS LEGEND SHEET 2
- D101 PUMP STATION PLANS 1
- D102 PUMP STATION PLANS 2
- D201 PUMP STATION SECTIONS 1
- D202 PUMP STATION SECTIONS 2
- D501 PROCESS DETAILS 1
- D502 PROCESS DETAILS 2
- D601 PIPING & INSTRUMENTATION DIAGRAM
- D801 SYSTEM PROFILE

WILLIAM C. PAYNE, P.E., CITY ENGINEER  
THESE PLANS HAVE BEEN REVIEWED AND ARE APPROVED FOR  
RELEASE BY THE CITY OF CHATTANOOGA.

 04-21-17  
WILLIAM C. PAYNE, P.E., CITY ENGINEER      DATE

