

Northeast Regional WWTF Expansion

Polk County Utilities

Project No. 2021-2-20-0

Oracle No. 6822015



GMP #3 Proposal

Phase B Construction & Phase C/D Early Procurement

Prepared by Wharton-Smith (CMAR)

Issued October 2, 2025



Wharton-Smith Contact:

Brett Ardizone – Preconstruction Manager

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Engineer: Wright-Pierce

EXECUTIVE SUMMARY

Presented herein is the Guaranteed Maximum Price (GMP) proposal prepared by Wharton-Smith, the Construction Manager at Risk (CMAR) for the Polk County Northeast Regional WWTF Expansions. This GMP was developed in accordance with the following *Issued for Bid Drawings and Specifications*: 90% Phase B Design Documents prepared by Wright-Pierce and dated April 2025, Phase C/D Early Procurement Design Documents prepared by Wright-Pierce and dated April 2025, and all revisions issued as part of Addendum No. 1 and Addendum #2. In the development of this GMP, Wharton-Smith identified work packages, generated a list of qualified bidders, and created detailed scope of work documents to solicit competitive bids. The proposed value of this GMP is **\$50,825,822.00**.

A construction schedule was developed along with this GMP. The duration of the work is scheduled to take twenty-three (23) months to reach Substantial Completion and twenty-five (25) months to reach Final Completion. This information is summarized below:

GMP	\$50,825,822
Days to Substantial Completion	701 Days
Days to Final Completion	758 Days

Below is a list of the work packages and the recommended low responsive bidder for each:

Subcontracts	
Demolition	SEAS
Sitework	Tucker Paving
Concrete	EastCoast Concrete
Precast Concrete Planks	Durastress
Masonry	Stonewall Masonry
Structural Steel	TBD
Roofing	TBD
Overhead Coiling Doors	TBD
Aluminum Doors and Windows	Weber Glass
Paint and Coatings	Universal
Canopies	Perfection Arch.
I&C	Revere
Electrical	Chinchor

Purchase Orders	
Misc. Metals	Dixie Metal
Slide Gates	Fontaine
Oxidation Ditch Equipment	Ovivo
Compressed Air Mixing System	Enviromix
Self Priming Non-Clog Centrifugal Pumps	Hudson
Submersible Non-Clog Centrifugal Pumps	Flygt
Screw Type Positive Displacement Blowers	Aerzen
Positive Displacement Blowers	Aerzen

The following Schedules are included within this GMP:

- 1) Schedule 1 – Construction Manager’s Personnel
- 2) Schedule 2 – Contract Drawings & Specifications
- 3) Schedule 3 – GMP Bid Breakdown
- 4) Schedule 4 – Clarifications, Assumptions, Exclusions, and Allowances

Thank you for this opportunity to continue to serve Polk County Utilities. Should you have any questions or concerns, please let us know.

Very respectfully,

Brett Ardizone, P.E.
Preconstruction Services Manager
Wharton-Smith, Inc.

SCHEDULE 1 to the GMP-3 ADDENDUM

Northeast Regional Wastewater Treatment Facility Expansion from 6 to 9 MGD

Construction Manager's Personnel During Construction Phase

Name	Title	Duration (Months)	Percentage
Off-Site Staff			
Billy Logan	Project Executive	25	20
Helia Baxley	Senior Project Manager	5	100
Luke Dieffenthaler	Project Manager	25	100
Pablo Mira	Project Engineer	25	100
TBD	Project Engineer	25	100
TBD	Project Engineer-Intern	25	100
Sherry Marshalls	Administrative Assistant	17	100
Justin Bartos	Project Accountant	25	40
On-Site Staff			
Ed Sly	General Superintendent	25	10
Keghan Hickey	Senior Superintendent	5	100
Justin White	Superintendent	25	100
Grant Fields	Field Engineer	25	100
Chris Gayner	Quality Manager	17	40
Eloy Jimenez	Safety Manager	25	40

SCHEDULE 2 to the GMP-3 ADDENDUM

Northeast Regional Wastewater Treatment Facility Expansion from 6 to 9 MGD

Contract Drawings, Specifications, and Addenda 1-2

POLK COUNTY UTILITIES, FLORIDA

UTILITIES COMMUNITY INVESTMENT PROJECT NORTHEAST REGIONAL WASTEWATER TREATMENT FACILITY EXPANSION FROM 6.0 MGD TO 9.0 MGD PHASE B

90% ISSUED FOR BID
APRIL 2025

200 WESTVIEW RD. DAVENPORT, FL 33837

PARCEL ID #27-26-18-000000-034030

PCU PROJECT #2021-2-20-0

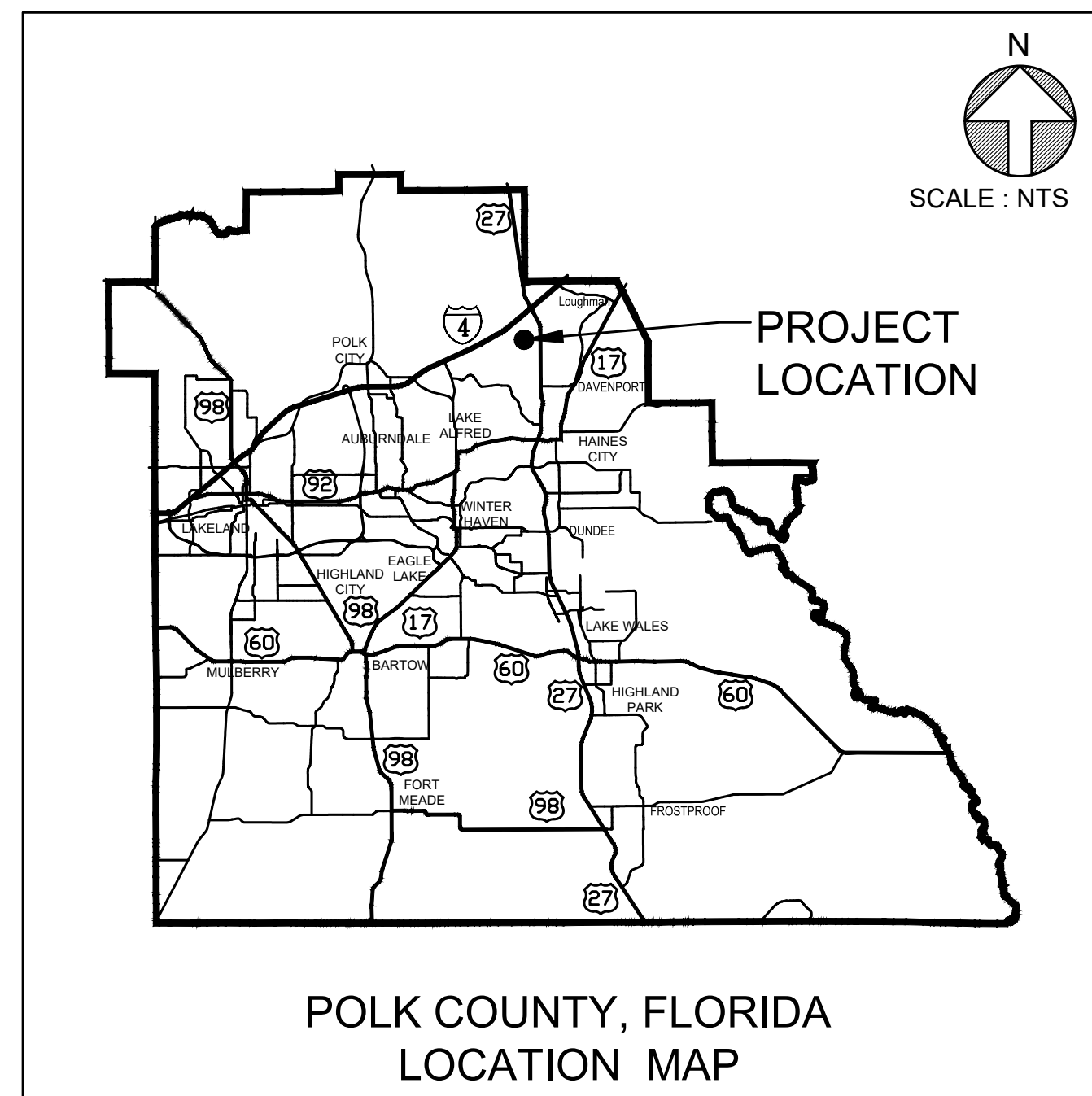
ORACLE #6822015

WRIGHT-PIERCE PROJECT #21248



RESERVED FOR
COUNTY APPROVALS

DEP WATER PERMIT	#	_____
DEP SEWER PERMIT	#	_____
FDOT PERMIT	#	_____
FDOT R/W PERMIT	#	_____
FDOT UTILITY PERMIT	#	_____
COUNTY R/W PERMIT	#	_____
COUNTY BLDG PERMIT	#	_____
WMD PERMIT	#	_____
NPDES PERMIT	#	_____



WRIGHT-PIERCE 
Engineering a Better Environment

407.906.1776 | www.wright-pierce.com

BOARD OF COUNTY COMMISSIONERS

DISTRICT ONE:	BECKY TROUTMAN
DISTRICT TWO:	RICK WILSON (CHAIR)
DISTRICT THREE:	BILL BRASWELL
* DISTRICT FOUR:	MARTHA SANTIAGO (VICE CHAIR)
DISTRICT FIVE:	MICHAEL SCOTT

*DISTRICT IN WHICH PROJECT IS LOCATED

COUNTY MANAGER:	BILL BEASLEY
UTILITIES DIRECTOR:	TAMARA RICHARDSON, PE

PROJECT MANAGER :

JAMES TULLY, PE
CIP PROJECT MANAGER
POLK COUNTY UTILITIES DIVISION
1011 JIM KEENE BLVD
WINTER HAVEN, FL 33880
863.344.1848

ENGINEER OF RECORD:

BARTT C. BOOZ, PE
WRIGHT-PIERCE
601 SOUTH LAKE DESTINY ROAD
SUITE 290
MAITLAND, FL 32751
407.906.1776

CALL 48 HOURS
BEFORE YOU DIG

IT'S THE LAW!
DIAL 811



SUNSHINE STATE ONE CALL OF FLORIDA, INC.

☐ CONSTRUCTION DRAWING
☐ RECORD DRAWING

ENGINEER BARTT C. BOOZ, P.E.
print name
LICENSE # 76338

ENGINEER _____
signature
DATE _____

NORTHEAST REGIONAL
WWTF EXPANSION
FROM 6.0 MGD TO
9.0 MGD

GENERAL		ARCHITECTURAL		PROCESS	
COVER SHEET		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		PROCESS GENERAL NOTES	
DRAWING INDEX 1		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		PROCESS LEGEND AND ABBREVIATIONS	
DRAWING INDEX 2		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		OVERALL PROCESS FLOW DIAGRAM	
PROCESS CODES AND PHASING PLAN		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		PROCESS FLOW SCHEMATIC 1	
NFWA 820 SCHEDULE		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		PROCESS FLOW SCHEMATIC 2	
PIPE SCHEDULE		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		PROCESS FLOW SCHEMATIC 3	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		PROCESS FLOW SCHEMATIC 4	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		PROCESS FLOW SCHEMATIC 5	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		PROCESS FLOW SCHEMATIC 6	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		PROCESS FLOW SCHEMATIC 7	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		PROCESS FLOW SCHEMATIC 8	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		PROCESS FLOW SCHEMATIC 9	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		PROCESS FLOW SCHEMATIC 10	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		CHEMICAL SCHEMATIC 1	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		CHEMICAL SCHEMATIC 2	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		ODOR CONTROL SCHEMATIC 1	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		ODOR CONTROL SCHEMATIC 2	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		MEGA BUBBLE MIXING SYSTEM SCHEMATIC	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		HYDRAULIC PROFILE 1	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		HYDRAULIC PROFILE 2	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		ON-SITE LIFT STATION DEMOLITION PLAN AND SECTION	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		SCREENING STRUCTURE DEMOLITION PLAN	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		SCREENING STRUCTURE DEMOLITION SECTIONS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		SCREENING STRUCTURE DEMOLITION DETAILS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		INFLUENT FLOW METERING STATION MODIFICATIONS PLAN AND SECTIONS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		HEADWORKS FACILITY KEY PLAN	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		HEADWORKS FACILITY TOP PLAN - SCREENINGS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		HEADWORKS FACILITY TOP PLAN AND LOWER PLAN - GRIT	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		HEADWORKS FACILITY ODOR CONTROL DESIGN VENTILATION RATES	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		HEADWORKS FACILITY ODOR CONTROL PLANS AND SECTIONS 1	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		HEADWORKS FACILITY ODOR CONTROL PLANS AND SECTIONS 2	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		HEADWORKS FACILITY SECTIONS 1	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		HEADWORKS FACILITY SECTIONS 2	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		HEADWORKS FACILITY SECTIONS 3	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		SCREENINGS AND GRIT DUMPSTER STAGING AREA PLAN AND SECTIONS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		HEADWORKS FACILITY PERSPECTIVES	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		RETURN PUMP STATION DEMOLITION PLAN AND SECTION	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		RETURN PUMP STATION MODIFICATIONS PLANS AND SECTIONS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		RETURN PUMP STATION PERSPECTIVES	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		SIDESTREAM PUMP STATION DEMOLITION PLAN AND SECTION	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		SIDESTREAM PUMP STATION MODIFICATIONS PLANS AND SECTIONS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		SIDESTREAM PUMP STATION MODIFICATIONS PERSPECTIVES	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		PLUG FLOW BNR WITH EQUALIZATION DEMOLITION PLAN	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		PLUG FLOW BNR WITH EQUALIZATION PARTIAL DEMOLITION PLAN 1	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		PLUG FLOW BNR WITH EQUALIZATION PARTIAL DEMOLITION PLAN 2	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		PLUG FLOW BNR WITH EQUALIZATION PARTIAL DEMOLITION PLANS 3	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		PLUG FLOW BNR WITH EQUALIZATION PARTIAL DEMOLITION PLANS 4	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		PLUG FLOW BNR WITH EQUALIZATION DEMOLITION SECTION 1	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		PLUG FLOW BNR WITH EQUALIZATION DEMOLITION SECTION 2	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		PLUG FLOW BNR WITH EQUALIZATION DEMOLITION SECTION 3	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		EQ TANK FLOW METERING STATION OVERALL PLAN AND SECTIONS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		EQ TANK FLOW METERING STATION PLAN AND SECTION	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		EQ TANK AND EQ PUMP STATION AND BLOWER/MCC BUILDING OVERALL PLAN	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		EQ TANK AND EQ PUMP STATION MODIFICATIONS PLAN	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		EQ TANK AND EQ PUMP STATION MODIFICATIONS SECTIONS 1	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		EQ TANK AND EQ PUMP STATION MODIFICATIONS SECTIONS 2	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		EQ TANK AND EQ PUMP STATION AND BLOWER/MCC BUILDING PERSPECTIVES 1	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		EQ TANK AND EQ PUMP STATION AND BLOWER/MCC BUILDING PERSPECTIVES 2	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		AERATION BASINS DEMOLITION PLAN	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		AERATION BASINS DEMOLITION SECTION	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		BNR TRAINS OVERALL PLAN	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		BNR FLOW SPLITTER BOX PLAN AND SECTIONS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		BNR TRAINS LOWER LEVEL PARTIAL PLAN 1	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		BNR TRAINS LOWER LEVEL PARTIAL PLAN 2	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		BNR TRAINS UPPER LEVEL PARTIAL PLAN 1	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		BNR TRAINS UPPER LEVEL PARTIAL PLAN 2	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		BNR BLOWER STATION PLAN AND SECTION	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		BNR TRAINS OVERALL DRAINAGE PLAN	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		BNR TRAINS SECTIONS 1	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		BNR TRAINS DETAILS 1	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		BNR TRAINS DETAILS 2	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		BNR TRAINS DETAILS 3	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		BNR TRAINS PERSPECTIVES	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		BLOWER/MCC BUILDING DEMOLITION PLAN	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		BLOWER/MCC BUILDING DEMOLITION SECTIONS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		BLOWER/MCC BUILDING MODIFICATIONS PLAN	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		BLOWER/MCC BUILDING MODIFICATIONS SECTIONS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		RAS/WAS PUMP STATION NO.1 DEMOLITION PLAN	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		RAS/WAS PUMP STATION NO.1 DEMOLITION SECTIONS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		RAS/WAS PUMP STATION NO.1 MODIFICATIONS PLAN AND SECTIONS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		DEEP BED FILTERS NO.1, 2, 3, AND 4 DEMOLITION PLANS 1	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		DEEP BED FILTERS NO.1, 2, 3, AND 4 DEMOLITION PLANS 2	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		DEEP BED FILTERS NO.1, 2, 3, AND 4 DEMOLITION SECTIONS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		DEEP BED FILTERS NO.1, 2, 3, 4, 5, AND 6 OVERALL MODIFICATIONS PLAN	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		DEEP BED FILTERS NO.1, 2, 3, 4, 5, AND 6 MODIFICATION PLANS 1	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		DEEP BED FILTERS NO.1, 2, 3, 4, 5, AND 6 MODIFICATION PLANS 2	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		DEEP BED FILTERS NO.1, 2, 3, 4, 5, AND 6 MODIFICATION PLANS 3	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		DEEP BED FILTERS NO.1, 2, 3, 4, 5, AND 6 MODIFICATION SECTIONS 1	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		DEEP BED FILTERS NO.1, 2, 3, 4, 5, AND 6 MODIFICATION SECTIONS 2	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		DEEP BED FILTERS NO.1, 2, 3, 4, 5, AND 6 MODIFICATION SECTIONS 3	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		DEEP BED FILTERS NO.1, 2, 3, 4, 5, AND 6 PERSPECTIVES	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		CHLORINE CONTACT TANK DEMOLITION PLANS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		CHLORINE CONTACT TANK DEMOLITION SECTIONS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		RAPID MIX CHAMBER PLANS AND SECTIONS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		CHLORINE CONTACT TANK MODIFICATIONS PLANS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		CHLORINE CONTACT TANK PARTIAL MODIFICATIONS PLANS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		CHEMICAL STORAGE AND FEED BUILDING ANALYZER DETAILS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		CHEMICAL / MCC BUILDING DEMOLITION PLAN AND DETAILS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		GROUND STORAGE RESERVOIR NO.1, NO.2, AND NO.3 DEMOLITION SECTIONS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		REJECT GROUND STORAGE RESERVOIR GSR NO.4 PLAN	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		REJECT GROUND STORAGE RESERVOIR SECTIONS AND DETAILS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		HIGH SERVICE PUMP STATION DEMOLITION PLAN	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		HIGH SERVICE PUMP STATION DEMOLITION SECTIONS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		HIGH SERVICE PUMP STATION MODIFICATIONS PLAN	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		HIGH SERVICE PUMP STATION MODIFICATIONS SECTIONS	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		HIGH SERVICE PUMP STATION PERSPECTIVES	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		AUGMENTATION WELL NO.1 DEMOLITION PLAN AND SECTION	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		AUGMENTATION WELL NO.2 DEMOLITION PLAN AND SECTION	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		AUGMENTATION WELL NO.1 MODIFICATIONS PLAN AND SECTION	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		AUGMENTATION WELL NO.2 MODIFICATIONS PLAN AND SECTION	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		SLUDGE STABILIZATION TANKS DEMOLITION PLAN	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		SLUDGE STABILIZATION TANKS DEMOLITION SECTIONS 1	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		SLUDGE STABILIZATION TANKS DEMOLITION SECTIONS 2	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		SLUDGE STABILIZATION TANKS/SL TRANSFER PS/BLOWER STA LOWER LEVEL MODIFICATIONS PLAN	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		SLUDGE STABILIZATION TANKS/SL TRANSFER PS/BLOWER STA UPPER LEVEL MODIFICATIONS PLAN	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		SLUDGE STABILIZATION TANKS/SL TRANSFER PS/BLOWER STA MODIFICATION SECTIONS 1	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		SLUDGE STABILIZATION TANKS/SL TRANSFER PS/BLOWER STA MODIFICATION SECTIONS 2	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		SLUDGE STABILIZATION TANKS/SL TRANSFER PS/BLOWER STA PERSPECTIVES	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		DETAILS 1	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		DETAILS 2	
		GENERAL NOTES, CODE NOTES, LEGENDS AND ABBREVIATIONS		DETAILS 3	

POLK COUNTY, FLORIDA NORTHEAST REGIONAL WWTF EXPANSION FROM 6.0 MGD TO 9.0 MGD PHASE A, B DRAWING INDEX 2		WRIGHT-PIERCE 407.906.1776 www.wright-pierce.com 601 S LAKE DESTINY ROAD, SUITE 200, MAITLAND, FL 32751		PROJECT NO: 21248 DESIGNED: B.BOOZ CAD COORD: ELAIGNER CAD: ELAIGNER CHECKED: D.STILES DATE: APRIL 2025 APPROVED: DATE: SUBMISSION: 90% ISSUED FOR BID		NO		REVISIONS		APPD	DATE
						1	2	3	4		
DRAWING											
G-00-002											

MECHANICAL	
M-00-001	MECHANICAL GENERAL NOTES, LEGEND, ABBREVIATIONS AND DESIGN DATA
M-05-101	PROCESS 05 - HEADWORKS FACILITY - FLOOR PLAN
M-87-101	PROCESS 87 - ELECTRICAL BUILDING NO.3 - FLOOR PLAN
M-999-601	SCHEDULES AND DETAILS
PLUMBING	
P-00-001	PLUMBING GENERAL NOTES, LEGEND, ABBREVIATIONS, SCHEDULES, AND DETAILS
P-05-101	PROCESS 05 - HEADWORKS FACILITY PLANS
P-05-401	PROCESS 05 - HEADWORKS FACILITY PLUMBING RISER DIAGRAM
P-60-101	PROCESS 60 - DEEP BED FILTERS DEMOLITION PLAN AND SECTION
P-60-102	PROCESS 60 - DEEP BED FILTERS MODIFICATION PLAN AND SECTIONS
P-75-101	PROCESS 75 - CHEMICAL STORAGE AND FEED BUILDING PLAN
P-110-101	PROCESS 110 - SLUDGE STABILIZATION TANK BLOWER STATION PLAN
INSTRUMENTATION	
I-00-001	INSTRUMENTATION NOTES, LEGEND, AND ABBREVIATIONS
I-00-002	NETWORK ARCHITECTURE DIAGRAM 1 - PHASE A
I-00-003	NETWORK ARCHITECTURE DIAGRAM 2 - PHASE A
I-00-004	NETWORK ARCHITECTURE DIAGRAM 3 - PHASE B
I-00-005	NETWORK ARCHITECTURE DIAGRAM 4 - PHASE B
I-00-006	NETWORK ARCHITECTURE DIAGRAM 5 - PHASE C
I-00-007	NETWORK ARCHITECTURE DIAGRAM 6 - PHASE C
I-00-008	NETWORK ARCHITECTURE DIAGRAM 7 - PHASE D
I-00-009	NETWORK ARCHITECTURE DIAGRAM 8 - PHASE D
I-05-001	INSTRUMENTATION LOOPS - NEW HEADWORKS FACILITY 1
I-05-002	INSTRUMENTATION LOOPS - NEW HEADWORKS FACILITY 2
I-05-003	INSTRUMENTATION LOOPS - NEW HEADWORKS FACILITY 3
I-10-001	INSTRUMENTATION LOOPS - RETURN PUMP STATION AND ELECTRICAL BUILDING NO.3
I-10-002	INSTRUMENTATION DETAILS - RETURN PUMP STATION
I-60-001	INSTRUMENTATION LOOPS - DEEP BED FILTERS 1
I-60-002	INSTRUMENTATION LOOPS - DEEP BED FILTERS 2
I-70-001	INSTRUMENTATION LOOPS - CHLORINE CONTACT TANKS AND RAPID MIX CHAMBER
I-75-001	INSTRUMENTATION LOOPS - CHEMICAL STORAGE AND FEED BUILDING
I-999-501	INSTRUMENTATION DETAILS 1

ELECTRICAL	
E-00-001	ELECTRICAL LEGEND, NEMA AND CONDUIT INSTALLATION SCHEDULES
E-00-002	ELECTRICAL NOTES AND ABBREVIATIONS
E-01-101	OVERALL ELECTRICAL SITE PLAN
E-01-102	ELECTRICAL SITE PARTIAL DEMOLITION PLAN 1
E-01-103	ELECTRICAL SITE PARTIAL DEMOLITION PLAN 2
E-01-104	ELECTRICAL SITE PARTIAL MODIFICATIONS PLAN 1
E-01-105	ELECTRICAL SITE PARTIAL MODIFICATIONS PLAN 2
E-01-106	ELECTRICAL DUCT BANK SECTIONS
E-02-001	SINGLE LINE DIAGRAMS SWITCHBOARD 87-SWBD-1
E-02-002	SINGLE LINE DIAGRAM PARTIAL MOTOR CONTROL CENTER 80-MCC-1 AND 80-MCC-2 DEMOLITION AND MODIFICATIONS
E-03-101	PROCESS 03 - ON-SITE LIFT STATION ELECTRICAL DEMOLITION PLAN
E-09-001	SINGLE LINE DIAGRAM PARTIAL MOTOR CONTROL CENTER 80-MCC-1 AND 80-MCC-2 DEMOLITION AND MODIFICATIONS
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E-05-102	PROCESS 05 - SCREENING STRUCTURE - EPC-1 ELECTRICAL MODIFICATIONS PLAN
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LEGEND:	
DWG TITLE	INDICATES DRAWING IN ALL PHASES
DWG TITLE	INDICATES DRAWING NOT YET DEVELOPED
DWG TITLE	INDICATES DRAWING IN PHASE A
DWG TITLE	INDICATES DRAWING IN PHASE B
DWG TITLE	INDICATES DRAWING IN PHASE C
DWG TITLE	INDICATES DRAWING IN PHASE D

**POLK COUNTY UTILITIES, FLORIDA
UTILITIES COMMUNITY INVESTMENT PROJECT**

**NORTHEAST REGIONAL WASTEWATER TREATMENT
FACILITY EXPANSION FROM 6.0 MGD TO 9.0 MGD**

**GMP #3
PHASE B
90% ISSUED FOR BID**

**BIDDING/CONTRACT DOCUMENTS
AND TECHNICAL SPECIFICATIONS**

APRIL 2025

**Project No. 2021-2-20-0
Oracle No. 6822015**



**PCU Project Manager:
Wright-Pierce Project Manager:
Wright-Pierce Engineer of Record:**

**James Tully, PE
Kathleen Gierok, PE
Bartt Booz, PE**

**Construction Manager:
Wharton Smith, Inc**

POLK COUNTY UTILITIES
POLK COUNTY, FLORIDA
BIDDING/CONTRACT DOCUMENTS
AND TECHNICAL SPECIFICATIONS
FOR
NORTHEAST REGIONAL WASTEWATER TREATMENT
FACILITY EXPANSION FROM 6.0 MGD TO 9.0 MGD

GMP #3
PHASE B
90% ISSUED FOR BID

APRIL 2025



Prepared By:

Wright-Pierce
122 E. Main Street, #238
Lakeland, FL 33801
Phone: 407-906-1776

SPECIFICATIONS CERTIFICATION

PROJECT SPECIFICATIONS DIVISION 1 – GENERAL REQUIREMENTS DIVISION 2 – SITE WORK (Except Sections 02000 through 02485) DIVISION 6 – WOOD AND PLASTICS DIVISION 11 – EQUIPMENT DIVISION 14 – CONVEYING SYSTEMS DIVISION 15 – MECHANICAL/HVAC (Except Sections 15400 through 15820)	<u>Bartt C. Booz</u>, PE License No. <u>76338</u>
PROJECT SPECIFICATIONS DIVISION 2 – SITE WORK (Except Sections 02601 through 02755)	<u>Michael K. Hoffman</u>, PE License No. <u>91142</u>
PROJECT SPECIFICATIONS – STRUCTURAL DIVISION 3 – CONCRETE DIVISION 5 – METALS	<u>Mark W. Cunningham</u>, PE License No. <u>81556</u>

PROJECT SPECIFICATIONS – ARCHITECTURAL DIVISION 4 – MASONRY DIVISION 7 – THERMAL AND MOISTURE PROTECTION DIVISION 8 – DOORS AND WINDOWS DIVISION 9 – FINISHES DIVISION 10 – SPECIALTIES	<u>Ronald Williams, AIA</u> License No. <u>98225</u>
PROJECT SPECIFICATIONS – INSTRUMENTATION DIVISION 13	<u>James Papadimitriou, PE</u> License No. <u>83447</u>
PROJECT SPECIFICATIONS – MECHANICAL/HVAC DIVISION 15, SECTIONS: 15400 – Plumbing - General 15401 – Plumbing, Piping and Specialties 15450 – Plumbing Fixtures and Trim 15492 – Submersible Sump Pump 15600 – HVAC-General 15601 – HVAC Piping and Specialties 15605 – Fuel Transfer System 15652 – Refrigeration Piping and Specialties 15661 – VRF Heat Pump Units 15671 – Ductless Spilt System Heat Pump Units 15763 – Air Handling Units-Heating and Ventilating 15820 – Ventilation Fans	<u>Rodney Greene, PE</u> License No. <u>83842</u>

PROJECT SPECIFICATIONS – ELECTRICAL DIVISION 16	
	<u>Steven A. LaPrise</u>, PE License No. <u>80909</u>

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M	CMCE Lightning Protection

**POLK COUNTY UTILITIES, FLORIDA
UTILITIES COMMUNITY INVESTMENT PROJECT**

**NORTHEAST REGIONAL WASTEWATER TREATMENT
FACILITY EXPANSION FROM 6.0 MGD TO 9.0 MGD**

**GMP #3
PHASE C, D
PRE-PURCHASE
90% ISSUED FOR BID**

**BIDDING/CONTRACT DOCUMENTS
AND TECHNICAL SPECIFICATIONS**

APRIL 2025

**Project No. 2021-2-20-0
Oracle No. 6822015**



**PCU Project Manager:
Wright-Pierce Project Manager:
Wright-Pierce Engineer of Record:**

**James Tully, PE
Kathleen Gierok, PE
Bartt Booz, PE**

**Construction Manager:
Wharton Smith, Inc**

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ADDENDUM #1

Polk County Utilities

Northeast Regional Wastewater Treatment Facility Expansion Project

Phase B Construction and Phase C/D Early Procurement

July 2, 2025

Notice to all Plan Holders: The following changes, additions, substitutions, clarifications, and/or deletions contained in this addendum shall become part of the Bid Documents & fully binding per the above referenced project. Provide acknowledgement of receipt as directed on the Bid Form.

General:

Bid date and time have been extended. **Bids are now due on 07/17/2025 at 2:00 PM EDT.**

The Question Deadline has not been modified. **Question Deadline was 06/26/2025 at 5:00 PM EDT.**

All bids must be submitted on the Bid Form provided within the bid manual to be considered responsive.

Attachments:

1. Addendum #1 – Attachment #1 – Questions and Answers
2. Addendum #1 – Attachment #2 – Wright-Pierce Directed Changes
3. Addendum #1 – Attachment #3 – Bid Package #3 Sitework Revised Bid Form
4. Addendum #1 - Attachment #4 - Bid Package #4 Concrete Revised Scope
5. Addendum #1 - Attachment #5 - Bid Package #15 VTP Revised Bid Form
6. Addendum #1 - Attachment #6 - Bid Package #19 Revised Blower Bid Form

CMAR Responses to Bid Requirements & Scoping Questions:

1. See Attachment #1. All open remaining open questions will be responded to via future addendum.

Bid Manual Clarifications:

1. ALL BID MANUALS
 - a. Make special note of Attachment #1 and #2 as they impact multiple Bid Manuals.
2. Bid Manual #3 – Sitework
 - a. Reference Addendum #1 – Attachment #3. Concrete and asphalt paving have been broken out on the bid form.
3. Bid Manual #4 – Concrete
 - a. Reference Addendum #1 – Attachment #4. Supply and install of embedded trench drains have been added to the scope.
4. Bid Manual #15 – Vertical Turbine Pumps
 - a. Reference Addendum #1 – Attachment #5. Extended non-use warranty has been added to the bid form.
5. Bid Manual #19 – Screw-Type Positive Displacement Blowers
 - a. Reference Addendum #1 – Attachment #6. Extended non-use warranty has been added to the bid form.

All other terms and conditions of the bidding documents will remain the same.

Please review Addendum No. 1, which is now incorporated as a formal bidding document and is to be incorporated into All Bid Packages as applicable to the Scope of Work. Any changes or additions that are included as part of this addendum are to be incorporated into your bid.

Acknowledgement of this addendum must be listed on the Bid Form submitted with your bid.

END OF ADDENDUM #1

ADDENDUM #2

Polk County Utilities

Northeast Regional Wastewater Treatment Facility Expansion Project

Phase B Construction and Phase C/D Early Procurement

July 10, 2025

Notice to all Plan Holders: The following changes, additions, substitutions, clarifications, and/or deletions contained in this addendum shall become part of the Bid Documents & fully binding per the above referenced project. Provide acknowledgement of receipt as directed on the Bid Form.

General:

Bid date and time has not changed. **Bids are due on 07/17/2025 at 2:00 PM EDT.**

The Question Deadline has not been modified. **Question Deadline was 06/26/2025 at 5:00 PM EDT.**

All bids must be submitted on the Bid Form provided within the bid manual to be considered responsive.

Attachments:

1. Addendum #2 – Attachment #1 – Questions and Answers
2. Addendum #2 – Attachment #2 – Wright-Pierce Directed Changes
3. Addendum #2 – Attachment #3 – Bid Package #14 Ox Ditch Equipment Revised Scope
4. Addendum #2 - Attachment #4 - Bid Package #15 Vertical Turbine Pumps Revised Scope
5. Addendum #2 - Attachment #5 - Bid Package #15 Vertical Turbine Pumps Revised Bid Form
6. Addendum #2 - Attachment #6 - Bid Package #18 Submersible Non-Clog Centrifugal Pumps Revised Scope
7. Addendum #2 - Attachment #7 - Bid Package #18 Submersible Non-Clog Centrifugal Pumps Revised Bid Form

CMAR Responses to Bid Requirements & Scoping Questions:

1. See Attachment #1. All open remaining open questions will be responded to via future addendum.

Bid Manual Clarifications:

1. ALL BID MANUALS
 - a. Any proposals or clarifications, provided in addition to the completed bid form, shall include all Polk County and State of Florida Sales Tax broken out as an individual line item.
 - b. Make special note of Attachment #1 and #2 as they impact multiple Bid Manuals.
2. Bid Manual #14 – Oxidation Ditch Equipment
 - a. Reference Attachment #3. Scope of work has been revised to remove Gates 30-SG-1,2,3,4,11,21,31 from scope.
3. Bid Manual #15 – Vertical Turbine Pumps
 - a. Reference Attachment #4 and #5. An additional spare pump has been added to the scope.
4. Bid Manual #18 – Submersible Non-Clog Centrifugal Pumps
 - a. Reference Attachment #6 and #7. An additional spare pump has been added to the scope.

All other terms and conditions of the bidding documents will remain the same.

Please review Addendum No. 2, which is now incorporated as a formal bidding document and is to be incorporated into All Bid Packages as applicable to the Scope of Work. Any changes or additions that are included as part of this addendum are to be incorporated into your bid.

Acknowledgement of this addendum must be listed on the Bid Form submitted with your bid.

END OF ADDENDUM #2

SCHEDULE 3 to the GMP-3 ADDENDUM

Northeast Regional Wastewater Treatment Facility Expansion from 6 to 9 MGD

GMP Bid Breakdown



POLK COUNTY - POLK NERWRF EXPANSION GMP #3 - PHASE B & PHASE C/D PROCUREMENT

GMP
10/21/2025

COST SUMMARY

		LABOR	EQUIPMENT	MATERIALS	SUBS	TOTALS
Total Direct Costs		\$ 130,171	\$ 47,419	\$ 428,285	\$ 38,028,170	\$ 38,634,045
Total GC's		\$ 4,198,238	\$ -	\$ -	\$ 127,065	\$ 4,325,303
Risk Register Contingency					\$ 3,435,069	\$ 3,435,069
CONSTRUCTION COSTS		\$4,328,409	\$47,419	\$428,285	\$41,590,304	\$46,394,417
Fee	7.75%				\$ 3,595,567	\$ 3,595,567
Bond					\$ 266,588	\$ 266,588
Insurance					\$ 569,249	\$ 569,249
PROJECT TOTAL COST		\$0	\$0	\$0	\$46,021,709	\$50,825,822

Current	Total w/o Cont.	Contingency	Total w/ Cont.
GMP-1	\$39,873,549	\$1,770,584	\$41,644,133
GMP-2	\$27,618,427	\$2,802,609	\$30,421,036
GMP-3	\$47,390,753	\$3,435,069	\$50,825,822



POLK COUNTY - POLK NERWRF EXPANSION GMP #3 - PHASE B & PHASE C/D PROCUREMENT

GMP

10/22/25

			COST OF WORK					
DESCRIPTION	QTY	UOM	LABOR \$ AMOUNT	EQUIPMENT \$ AMOUNT	MATERIALS \$ AMOUNT	SUBS \$ AMOUNT	\$ TOTALS	COMMENTS
GENERAL REQUIREMENTS DIVISION 0							\$ 694,688	
GENERAL REQUIREMENTS SUMMARY	1	LS	\$ 130,171	\$ 47,419	\$ 428,285	\$ 88,813	\$ 694,688	
BID PACKAGES							\$ 37,939,357	
PHASE B CONSTRUCTION								
BID PACKAGE #1 - Master Plant Contractor	1	LS	\$ -	\$ -	\$ -	\$ 12,946,886	\$ 12,946,886	WHARTON SMITH
BID PACKAGE #2 - Demolition	1	LS	\$ -	\$ -	\$ -	\$ 239,200	\$ 239,200	SEAS
BID PACKAGE #3 - Sitework	1	LS	\$ -	\$ -	\$ -	\$ 2,288,632	\$ 2,288,632	TUCKER PAVING
BID PACKAGE #4 - CIP Concrete	1	LS	\$ -	\$ -	\$ -	\$ 2,055,451	\$ 2,055,451	EAST COAST
BID PACKAGE #5 - Precast Concrete Planks	1	LS	\$ -	\$ -	\$ -	\$ 77,683	\$ 77,683	DURA STRESS
BID PACKAGE #6 - Masonry	1	LS	\$ -	\$ -	\$ -	\$ 157,922	\$ 157,922	STONEWALL MASONRY
BID PACKAGE #7 - Metals Supply	1	LS	\$ -	\$ -	\$ -	\$ 319,016	\$ 319,016	DIXIE
BID PACKAGE #8 - Structural Steel	1	LS	\$ -	\$ -	\$ -	\$ -	\$ -	NO BIDS - ALLOWANCE
BID PACKAGE #9 - Roofing	1	LS	\$ -	\$ -	\$ -	\$ -	\$ -	WILLIS ROOFING - ALLOWANCE
BID PACKAGE #10 - Overhead Coiling Doors	1	LS	\$ -	\$ -	\$ -	\$ -	\$ -	NO BIDS - ALLOWANCE
BID PACKAGE #11 - Aluminum Doors & Windows	1	LS	\$ -	\$ -	\$ -	\$ 110,235	\$ 110,235	WEBER
BID PACKAGE #12 - Painting & Coatings	1	LS	\$ -	\$ -	\$ -	\$ 602,516	\$ 602,516	UNIVERSAL
BID PACKAGE #13 - Canopies	1	LS	\$ -	\$ -	\$ -	\$ 289,250	\$ 289,250	PERFECTION ARCH.
BID PACKAGE #20 - I&C	1	LS	\$ -	\$ -	\$ -	\$ 1,365,806	\$ 1,365,806	REVERE
BID PACKAGE #21 - HVAC	1	LS	\$ -	\$ -	\$ -	\$ 91,939	\$ 91,939	CT Mechanical
BID PACKAGE #22 - Plumbing	1	LS	\$ -	\$ -	\$ -	\$ -	\$ -	NO BIDS - ALLOWANCE
BID PACKAGE #23 - Electrical	1	LS	\$ -	\$ -	\$ -	\$ 4,185,600	\$ 4,185,600	CHINCHOR ELECTRI
BID PACKAGE #25 - Slide Gates	1	LS	\$ -	\$ -	\$ -	\$ 221,581	\$ 221,581	FONTAINE
PHASE C/D EARLY PROCUREMENT								
BID PACKAGE #14 - Oxidation Ditch Equipment	1	LS	\$ -	\$ -	\$ -	\$ 7,370,710	\$ 7,370,710	OVIVO (INCLUDES WEIR GATES)
BID PACKAGE #15 - Vertical Turbine Pumps	1	LS	\$ -	\$ -	\$ -	\$ 1,057,531	\$ 1,057,531	FLOWSERVE
BID PACKAGE #16 - Compressed Air Mixing System	1	LS	\$ -	\$ -	\$ -	\$ 2,639,430	\$ 2,639,430	ENVIROMIX
BID PACKAGE #17 - Self Priming Non-Clog Pumps	1	LS	\$ -	\$ -	\$ -	\$ 169,598	\$ 169,598	HUDSON
BID PACKAGE #18 - Submersible Non-Clog Pumps	1	LS	\$ -	\$ -	\$ -	\$ 746,669	\$ 746,669	FLYGT
BID PACKAGE #19 - Screw Type PD Blowers	1	LS	\$ -	\$ -	\$ -	\$ 847,161	\$ 847,161	AERZEN
BID PACKAGE #24 - Positive Displacement Blowers	1	LS	\$ -	\$ -	\$ -	\$ 156,541	\$ 156,541	AERZEN
TOTAL DIRECT COST			\$ 130,171	\$ 47,419	\$ 428,285	\$ 38,028,170	\$ 38,634,045	



Wharton-Smith, Inc.

CONSTRUCTION GROUP

GENERAL CONDITIONS								
DESCRIPTION	QTY	UNIT	MH/ UNIT	BASE RATE	LABOR			HR/UNIT
					U/P	TOTAL MH	\$ AMOUNT	
PROJECT MANAGEMENT TEAM								
FIELD STAFF								
General Superintendent	108	WK	4	\$178.00	\$712.00	433	\$77,074	
Senior Superintendent	22	WK	40	\$176.00	\$7,040.00	880	\$154,880	
Superintendent	108	WK	40	\$161.00	\$6,440.00	4,330	\$697,126	
Field Engineer	108	WK	40	\$117.00	\$4,680.00	4,330	\$506,607	
OFFICE STAFF				\$0.00				
Senior Project Manager	22	WK	40	\$172.00	\$6,880.00	880	\$151,360	
Project Manager	108	WK	40	\$161.00	\$6,440.00	4,330	\$697,126	
Project Engineer	108	WK	40	\$99.00	\$3,960.00	4,330	\$428,668	
Project Engineer	108	WK	40	\$99.00	\$3,960.00	4,330	\$428,668	
Project Engineer-Intern	108	WK	40	\$61.00	\$2,440.00	4,330	\$264,129	
Administrative Assistant	49	WK	16	\$97.00	\$1,552.00	784	\$76,048	
Administrative Assistant	22	WK	40	\$97.00	\$3,880.00	880	\$85,360	
OTHER STAFF				\$0.00				
Executive Management	108	WK	4	\$191.00	\$764.00	433	\$82,703	
Project Accountant	108	WK	16	\$127.00	\$2,032.00	1,732	\$219,963	
Quality Manager	49	WK	4	\$172.00	\$688.00	196	\$33,712	
Quality Manager	22	WK	12	\$172.00	\$2,064.00	264	\$45,408	
Safety Manager	108	WK	16	\$144.00	\$2,304.00	1,732	\$249,407	
RELATED MANAGEMENT COSTS								
Software Costs	1	LS		\$50.00	\$0.00	0	\$0	
Travel Expenses for On-Site Staff	1	LS		\$50.00	\$0.00	0	\$0	
				\$50.00	\$0.00	0	\$0	
TOTAL GENERAL CONDITIONS						34,194	\$4,198,238	



Wharton-Smith, Inc.
CONSTRUCTION GROUP

JOB NAME: POLK NERWRF EXPANSION GMP #3 - PHASE B & PH
ESTIMATE #: 0

GENERAL REQUIREMENTS		0 DIRECT MANHOURS					0	MANWEEKS							
	DURATION =		25	MONTHS, PLANNED			0	MEN							
DESCRIPTION	QTY	UNIT	MH/ UNIT	BASE RATE	LABOR		\$ AMOUNT	HR/UNIT	EQUIPMENT		MATERIAL		SUBCONTRACTS		\$ TOTALS
					U/P	TOTAL MH			RATE	\$ AMOUNT	U/P	\$ AMOUNT	U/P	\$ AMOUNT	
TEMP.FACILITIES & UTILITIES															
WATER, INSTALL AND REMOVE TEMPORARY SYSTEM	1	LS	40	\$50.00	\$2,000.00	40	\$2,000			\$0.00	\$1,000.00	\$1,070		\$0	\$3,070
WATER, MONTHLY	6	MO		\$50.00	\$0.00	0	\$0			\$0.00	\$250.00	\$1,605		\$0	\$1,605
INTERNET/TELEPHONE, MONTHLY CHARGES – W-S	17	MO		\$50.00	\$0.00	0	\$0			\$0.00	\$500.00	\$9,095		\$0	\$9,095
INTERNET/TELEPHONE, MONTHLY CHARGES – ENGINEER	30	MO		\$50.00	\$0.00	0	\$0			\$0.00	\$75.00	\$2,408		\$0	\$2,408
FIELD OFFICE, WHARTON SMITH INC	6	MO	5	\$50.00	\$250.00	30	\$1,500			\$0.00	\$6,250.00	\$40,125		\$0	\$41,625
FIELD OFFICE, PLANNING ROOM	31	MO	5	\$50.00	\$250.00	155	\$7,736			\$0.00	\$2,500.00	\$82,771		\$0	\$90,506
FIELD OFFICE, RPR TRAILER	25	MO	5	\$50.00	\$250.00	125	\$6,236			\$0.00	\$1,050.00	\$28,023		\$0	\$34,258
FIELD OFFICE, RPR TRAILER – DELIVERY/RETURN	1	LS		\$50.00	\$0.00	0	\$0			\$0.00	\$3,500.00	\$3,745		\$0	\$3,745
FIELD OFFICE FURNISHINGS AND EQUIPMENT (RENTAL)	6	MO		\$50.00	\$0.00	0	\$0			\$0.00	\$1,150.00	\$7,383		\$0	\$7,383
FIELD OFFICE RPR FURNISHINGS AND EQUIPMENT (RENTAL)	14	MO		\$50.00	\$0.00	0	\$0			\$0.00	\$1,150.00	\$17,227		\$0	\$17,227
JOB OFFICE SUPPLIES	6	MO		\$50.00	\$0.00	0	\$0			\$0.00	\$2,000.00	\$12,840		\$0	\$12,840
COMPUTER EQUIPMENT FOR FIELD OFFICE – W-S	1	LS		\$50.00	\$0.00	0	\$0			\$0.00	\$17,500.00	\$18,725		\$0	\$18,725
COMPUTER EQUIPMENT FOR FIELD OFFICE – ENGINEER	1	LS		\$50.00	\$0.00	0	\$0			\$0.00	\$5,000.00	\$5,350		\$0	\$5,350
TOOL TRAILERS	6	MO		\$50.00	\$0.00	0	\$0			\$0.00	\$1,200.00	\$7,704		\$0	\$7,704
TEMPORARY TOILETS	6	MO		\$50.00	\$0.00	0	\$0			\$0.00	\$1,800.00	\$11,556		\$0	\$11,556
TEMPORARY TOILETS	25	MO		\$50.00	\$0.00	0	\$0			\$0.00	\$1,000.00	\$26,688		\$0	\$26,688
SITE SECURITY	6	MO		\$50.00	\$0.00	0	\$0			\$0.00		\$0	\$1,500.00	\$9,000	\$9,000
CONSTRUCTION EQUIPMENT & TOOLS															
SMALL TOOLS AND SUPPLIES	1	LS		\$50.00	\$0.00	0	\$0			\$0.00	\$20,000	\$21,400		\$0	\$21,400
ATV/SIDE-BY-SIDE	25	MO		\$50.00	\$0.00	0	\$0	2	\$700.00	\$34,919.17	\$100.00	\$2,669		\$0	\$37,588
SAFETY & HEALTH & HOUSEKEEPING															
SAFETY MEETINGS	26	WK	5	\$50.00	\$250.00	130	\$6,500			\$0.00		\$0		\$0	\$6,500
SAFETY DEVICES	1	LS		\$50.00	\$0.00	0	\$0			\$0.00	\$18,000.00	\$19,260		\$0	\$19,260
CLEAN-UP THROUGHOUT DURATION OF PROJECT	26	WK	6	\$50.00	\$300.00	156	\$7,800			\$0.00		\$0		\$0	\$7,800
DUMPSTERS	25	MO		\$50.00	\$0.00	0	\$0			\$0.00	\$2,000.00	\$53,376		\$0	\$53,376
JANITORIAL – ENGINEER'S TRAILER	26	WK		\$50.00	\$0.00	0	\$0			\$0.00		\$0	\$150.00	\$3,900	\$3,900
MOWING/SITE MAINTENANCE	108	WK	16	\$50.00	\$800.00	1,728	\$86,400	1	\$9,500	\$9,500	\$50.00	\$5,778		\$0	\$101,678
Haul Road/Trailer Compound Maintenance	6	MO	16	\$50.00	\$800.00	96	\$4,800	4	\$125.00	\$3,000.00	\$500.00	\$3,210		\$0	\$11,010
PERMITS, FEES, INSURANCE, LEGAL, ETC.															
BUILDER'S RISK INSURANCE– INCLUDED W/ GMP #1	1	LS		\$50.00	\$0.00	0	\$0			\$0.00		\$0	\$0.00	\$0	\$0



Wharton-Smith, Inc.
CONSTRUCTION GROUP

		JOB NAME:	POLK NERWRF EXPANSION GMP #3 - PHASE B & PH				
		ESTIMATE #:	0				

GENERAL REQUIREMENTS	DURATION =		0 DIRECT MANHOURS				0		MANWEEKS						
			25	MONTHS, PLANNED			0		MEN						
DESCRIPTION	QTY	UNIT	MH/ UNIT	BASE RATE	LABOR				EQUIPMENT		MATERIAL		SUBCONTRACTS		\$ TOTALS
					U/P	TOTAL MH	\$ AMOUNT	HR/UNIT	RATE	\$ AMOUNT	U/P	\$ AMOUNT	U/P	\$ AMOUNT	
PROJECT DOCUMENTATION AND SERVICES															
PROJECT SIGNS	1	LS	32	\$50.00	\$1,600.00	32	\$1,600			\$0.00	\$1,250.00	\$1,338		\$0	\$2,938
PHOTOGRAPHS	6	MO	10	\$50.00	\$500.00	60	\$3,000			\$0.00	\$250.00	\$1,605		\$0	\$4,605
PRE-CONSTRUCTION AUDIO-VIDEO DOCUMENTATION	1	LS		\$50.00	\$0.00	0	\$0			\$0.00		\$0	\$2,500.00	\$2,500	\$2,500
DESIGN SERVICES (CADD) - AS-BUILTS	1	LS	40	\$65.00	\$2,600.00	40	\$2,600			\$0.00		\$0		\$0	\$2,600
PLANS & SPECIFICATIONS REPRODUCTION COSTS	1	LS		\$50.00	\$0.00	0	\$0			\$0.00	\$3,000.00	\$3,210		\$0	\$3,210
REGISTERED SURVEYOR SERVICES	25	MO		\$50.00	\$0.00	0	\$0			\$0.00		\$0	\$1,500.00	\$37,413	\$37,413
VDC LAYOUT BY WHARTON-SMITH	1	LS		\$50.00	\$0.00	0	\$0			\$0.00		\$0	\$10,000.00	\$10,000	\$10,000
PROJECT START-UP & CLOSEOUT															
AS-BUILT DRAWINGS	1	LS		\$50.00	\$0.00	0	\$0			\$0.00	\$1,500.00	\$1,605		\$0	\$1,605
FINAL SITE SURVEY	1	EA		\$50.00	\$0.00	0	\$0			\$0.00		\$0	\$6,000.00	\$6,000	\$6,000
MISCELLANEOUS REQUIREMENTS															
BARNS for CONNEX LAYDOWN AREA	1	LS		\$50.00	\$0.00	0	\$0			\$0.00	\$36,000.00	\$38,520		\$0	\$38,520
3rd Party Testing for Headworks Coatings	1	LS		\$50.00	\$0.00	0	\$0			\$0.00		\$0	\$20,000.00	\$20,000	\$20,000
	1	LS		\$50.00	\$0.00	0	\$0			\$0.00		\$0		\$0	\$0
TOTAL GENERAL REQUIREMENTS						2,591	\$130,171			\$47,419		\$428,285		\$88,813	\$694,688



Polk County Utilities - NERWWTF Expansion - GMP #3
Phase B Construction & Phase C/D Early Procurement
10/2/25

CONTINGENCIES

DESCRIPTION	
Site Utilities	\$ 897,733
Headworks	\$ 600,817
Electrical Building #3	\$ 588,316
Storm Preparations	\$ 100,000
Unforeseen Maintenance of Plant Operations	\$ 97,425
Maintenance of Plant Traffic and Access	\$ 100,000
Building Department Fees	\$ 8,000
Structural Steel Subcontractor	\$ 150,000
Overhead Coiling Doors	\$ 150,000
Plumbing Subcontractor	\$ 25,000
Final Asphalt Paving and Remediation	\$ 78,667
Early Procurement Equipment Upkeep	\$ 50,000
Frontage Road Additions	\$ 120,000
Independent Testing	\$ 100,000
Roofing Subcontractor	\$ 204,505
Pipe Insulation	\$ 50,000
Electrical Subcontractor Dewatering	\$ 57,750
Temporary Electrical Utility	\$ 36,419
Temporary Site Furnishings	\$ 20,437
TOTAL	\$ 3,435,069

SCHEDULE 4 to the GMP-3 ADDENDUM

Northeast Regional Wastewater Treatment Facility Expansion from 6 to 9 MGD

Clarifications, Assumptions, Exclusions and Allowances

COST ESTIMATE - CLARIFICATIONS, ASSUMPTIONS, EXCLUSIONS, AND ALLOWANCES

1. The project duration is contingent on receiving the Notice to Proceed (NTP) in November, 2025. If the NTP is issued prior to this, the total project duration will extend based on the prerequisite requirements related to permitting.
2. The project schedule was developed based on assumptions and best information available regarding permitting with the building department. If the building department is unable to facilitate concurrent review or the permitting review periods take longer than assumed, the project completion dates, and related general conditions costs will be impacted.
3. The project warranty will be one (1) year from substantial completion/beneficial use of the Project. At the time of the substantial completion/beneficial use date associated with this Phase, the Owner will take over operation, maintenance, and insurance for process and electrical equipment supplied by CMAR.
4. This GMP is based upon the following Issued for Bid Design Documents:
 - a. NERWWTF GMP #3 Phase B 90% Issued for Bid Drawings, dated April 2025, produced by Wright-Pierce. Also referred to as “Phase B Drawings”.
 - b. NERWWTF GMP #3 Phase B 90% Issued for Bid Specifications, dated April 2025, produced by Wright-Pierce.
 - c. NERWWTF GMP #3 Phase C/D Pre-Purchase Bidding Documents and Technical Specifications, dated April 2025, and produced by Wright-Pierce.
 - d. Addenda 1-2
5. The following process equipment associated with Phase B was included with GMP #2:
 - a. Odor Control System
 - b. Package Plant Water System
 - c. Submersible Pumps at Return Pump Station
 - d. Fine Screens
6. CMAR will provide redline drawings and surveyed as-builts to the EOR, CAD as-builts are not included.
7. Schedule durations assume that all permits shall be applied for and obtained within a 30-calendar day window.
8. Development of a Storm Water Pollution Prevention Plan (SWPPP) is included.
9. The CMAR has included a performance and payment bond, as well as insurance.
10. It is assumed that this work will be performed concurrently with the other phases of this project (Phases A-D and Dewatering Electrical).
11. A list of project contingencies has been included in Schedule 3 of this document.
12. Compliance with the American Iron & Steel Act (AIS) has been specifically included within each bid package. BABA requirements are specifically excluded.

13. Bidders included additional scope specific clarifications and exclusions within their proposals. These clarifications, and engineer responses received to date, are included within this section.
14. No modifications to existing electrical buildings are included in this GMP.
15. It is assumed that the Polk County USSM Standard Manual Details have been incorporated into the design documents and are shown on the bid documents. In the event that Polk County Utilities details are required, which are not included in the design documents, project contingency will need to be utilized.
16. The following scopes did not receive bids on Bid Day, and are therefore included as contingencies for future buyout: Structural Steel Subcontractor, Overhead Coiling Doors Subcontractor, and Plumbing Subcontractor.
17. All final paving has been included as contingency. It is anticipated that site-wide final paving will be completed at the end of Phase C construction.
18. Frontage Road modifications, including automated gates, pedestals, fencing, and gopher tortoise relocation are included as contingency.
19. Maintenance of plant traffic has been included as a contingency item.
20. All dewatering, including miscellaneous and nuisance dewatering of groundwater and after storms has been included in contingency. This work will be performed and billed through the contingency on a T&M basis.
21. Builder's Risk Insurance for this Phase has been included with GMP #1.
22. CMAR Contingency includes Material Escalation for the I&C Subcontractor. It is anticipated that the I&C materials for this project will be subject to escalation in January of 2026.
23. Electrical Subcontractor dewatering has been removed from direct costs and carried with contingency. It is anticipated that dewatering associated with the electrical scope of work will be completed on a time and materials (T&M) basis.
24. The following items were moved to contingency from the MPC Direct Costs after initial GMP Review:
 - a. Electrical Contractor Dewatering
 - b. Grit Discharge Accessories
 - c. 2.5 Ton Chain Hoists at Headworks
 - d. Pipe Insulation
 - e. Roofing Subcontractor
25. The following Local Control Stations are specifically excluded from this GMP and will be included in GMP #4:
 - a. 30-LCS-1 through 30-LCS-6
 - b. 50-LCS-1 through 50-LCS-3

BIDDER CLARIFICATIONS

Package #	Scope Issues/Clarifications/Exceptions	Engineer Comments	Est. Value	Approved by Polk County
14 - Ox Ditch Equipment	Specification Section 11100 Paragraph 2.1.E: Please see Attachment B for Ovivo's Process Performance Guarantee.	Remove Item 12 of the Performance Guarantee per Wright-Pierce and Ovivo's discussion about the influent CBOD5 and TKN ratio referenced in Ovivo's email dated 2/14/2025.		
14 - Ox Ditch Equipment	Specification Section 11100 Paragraph 2.8.15: Protection relay is not required as there are no RTDs required for the motors.3	Acknowledged. No exceptions taken.		
14 - Ox Ditch Equipment	Plan Sheet PR-30-503: Side water depth in the re-aeration zone should be 18" below water elevation in the oxidation ditch to avoid backflow.	Wright-Pierce believes the existing hydraulic profile is acceptable		
16 - Compressed Air Mixing System	Spec 11223C Section 2.6.S The air control valves are factory tested by the manufacturer to 10 million cycles, this is not a test to failure. The expected useful life is >= 15 million cycles.	Acknowledged. No exceptions taken.		
16 - Compressed Air Mixing System	Spec 11223C Section 2.5.A.13 Replace "71" with "85".	Acknowledged. No exceptions taken.		
16 - Compressed Air Mixing System	Spec 11223C Section 2.5.B.1 Replace "cycling" with "non-cycling", as non-cycling is Atlas Copco standard.	Acknowledged. No exceptions taken; however we will review once shop drawings are submitted.		
16 - Compressed Air Mixing System	Spec 11223C Section 2.5.E.6 The power on button is touch slide button that allows for easy on/off control. The button is Atlas Copco standard.	Acknowledged. No exceptions taken; however we will review once shop drawings are submitted.		
16 - Compressed Air Mixing System	Spec 11223C Section 2.5.E.9.c Replace "WARNING" with "NO WARNING" per Atlas Copco standard.	Acknowledged. No exceptions taken; however we will review once shop drawings are submitted.		
16 - Compressed Air Mixing System	Spec 11223C Section 2.6.N The VMs with standard stanchions are above the 18-in envelope commonly identified as the hazardous area envelope for open top basins: -Replace Nema 7 with Nema 4X	Anything above 18-inches above finished floor (AFF) can be NEMA 4X, Anything below must be NEMA 7.		
16 - Compressed Air Mixing System	Spec 11223C Section 2.9.A.7 Pulleys and belts are not used in any equipment in this project scope, therefore no spares are required.	Acknowledged. WP has removed the statement "Spare set of pulleys and two sets of belts" in Specification Section 11223C 2.9. A.7.		
19 - Screw-Type Positive Displacement Blowers	Section 11373S; 2.2.A.16 As local control panel is being provided per subsection 18, gauges are not being provided. All monitoring parameters will be displayed on the local control panel's touchscreen HMI.	Acknowledged. No exceptions taken.		
19 - Screw-Type Positive Displacement Blowers	Section 11373S; 2.2.A.17 Aerzen is providing their standard Danfoss VLT Aqua VFDs with HMI.	Exception not accepted. VFDs are required per client standard to be SquareD Altivar Process 660 Drives.		
19 - Screw-Type Positive Displacement Blowers	Section 11373S; 2.2.A.18 Aerzen is supplying their standard 460V Aertronic CPU based blower local control panel that is designed specifically to monitor, protect and control the blower package for wastewater applications.	Acknowledged. No exceptions taken.		
19 - Screw-Type Positive Displacement Blowers	Section 11373S; 2.3.B.1.b Aerzen is only able to test down to 1025 SCFM should a minimum flow rate be required to be tested to PTC-13.	Acknowledged. No exceptions taken.		
19 - Screw-Type Positive Displacement Blowers	Section 11373S; 2.4 Aerzen is providing their standard paint system and protective coating which is in line with industry best practice.	Acknowledged. No exceptions taken.		
19 - Screw-Type Positive Displacement Blowers	Section 11373S; 2.5.B.6-10 Aerzen will be providing their spare consumable parts for one year operation. Additional spare parts requested (numbers 6-10) are not required for typical operation within typical one year operation and can be provided upon request.	Acknowledged. No exceptions taken.		
19 - Screw-Type Positive Displacement Blowers	Section 11373S; 3.2 Aerzen is providing their standard startup and field testing.	Acknowledged. No exceptions taken.		
25 - Slide Gates	Sect. 15124 1.4 C. Factory tests are proposed in the factory (Sherbrooke QC Canada) located 42 miles north of US Border. Test report may be provided, and field test will demonstrate the low leakage of the proposed gates.	Acknowledged. No exceptions taken.		

							2026																2027												2028			
Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Total Float	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
GMP #3		759	594	27-Jan-25 A	02-Feb-28	0																																
General Requirements		615	450	27-Jan-25 A	06-Jul-27	144																																
Contractual Milestones		418	418	04-Nov-25	06-Jul-27	0																																
A1044	GMP 3 NTP Headworks	0	0	04-Nov-25*		40	◆ GMP 3 NTP Headworks																															
A6380	GMP 1 Contractual Substantial Completion (575 Cal. Day:	0	0		15-Sep-26*	0	◆ GMP 1 Contractual Substantial Completion (575 Cal. Days from NTP)																															
A1020	GMP 1 Punch List	20	20	16-Sep-26	13-Oct-26	0	■ GMP 1 Punch List																															
A6600	GMP 1 Contractual Final Completion (28 Cal. Days after �	0	0		13-Oct-26*	0	◆ GMP 1 Contractual Final Completion (28 Cal. Days after Substantial)																															
A6470	GMP 2 Contractual Substantial Completion (790 Cal. Day:	0	0		07-Jun-27*	0	◆ GMP 2 Contractual Substantial Completion (790 Cal. D																															
A5920	Phase -E Punch List	20	20	08-Jun-27	06-Jul-27	0	■ Phase -E Punch List																															
A6650	GMP 2 Contractual Final Completion (34 Cal. Days after �	0	0		06-Jul-27*	0	◆ GMP 2 Contractual Final Completion (34 Cal. Day																															
Planned Milestones		211	211	31-Jul-26	04-Jun-27	1																																
A1028	Dewatering Forecast Substantial Completion	0	0		31-Jul-26	31	◆ Dewatering Forecast Substantial Completion																															
A1030	GMP 1 Forecast Substantial Completion	0	0		03-Nov-26	-35	◆ GMP 1 Forecast Substantial Completion																															
A1029	Phase-A Forecast Substantial Completion	0	0		03-Nov-26	-35	◆ Phase-A Forecast Substantial Completion																															
A6670	GMP 2 / Phase-E & Phase-B Pre-purchase Forecast Sub:	0	0		04-Jun-27	1	◆ GMP 2 / Phase-E & Phase-B Pre-purchase Forecast Su																															
Preconstruction		0	0			0																																
Milestones		0	0			0																																
GMPs		0	0			0																																
Permits		0	0			0																																
Procurement		106	15	05-May-25 A	09-Oct-25	355	▶ 09-Oct-25, Procurement																															
Subcontracts		62	15	03-Jun-25 A	09-Oct-25	355	▶ 09-Oct-25, Subcontracts																															
A6830	Painting & Coatings - GMP 2	10	1	03-Jun-25 A	19-Sep-25	225	■ Painting & Coatings - GMP 2																															
A5960	HVAC	10	15	23-Jul-25 A	09-Oct-25	196	■ HVAC																															
A5950	Drywall	10	10	19-Sep-25	02-Oct-25	191	■ Drywall																															
A7140	Asphalt Paving - GMP 2	10	10	19-Sep-25	02-Oct-25	360	■ Asphalt Paving - GMP 2																															
Purchase Orders		48	10	05-May-25 A	02-Oct-25	150	▶ 02-Oct-25, Purchase Orders																															
A6010	Screening System	9	10	05-May-25 A	02-Oct-25	90	■ Screening System																															
A6030	Packaged Plant Water System	10	10	12-Jun-25 A	02-Oct-25	150	■ Packaged Plant Water System																															
Submittals		307	142	27-Jan-25 A	14-Apr-26	243	▶ 14-Apr-26, Submittals																															
Dewatering Facility		167	20	21-Feb-25 A	16-Oct-25	124	▶ 16-Oct-25, Dewatering Facility																															
A6330	I&C	60	5	21-Feb-25 A	25-Sep-25	31	■ I&C																															
A4420	Asphalt and Base	20	10	28-Jul-25 A	02-Oct-25	43	■ Asphalt and Base																															
A4290	Pipe Expansion Joints	20	20	19-Sep-25	16-Oct-25	124	■ Pipe Expansion Joints																															
Phase A - Filters/CCC/Chemical		177	30	21-Feb-25 A	30-Oct-25	164	▶ 30-Oct-25, Phase A - Filters/CCC/Chemical																															
A6300	I&C	45	5	21-Feb-25 A	25-Sep-25	-35	■ I&C																															
Process 15 - Side Stream Pump Station		30	5	19-Jun-25 A	25-Sep-25	181	▶ 25-Sep-25, Process 15 - Side Stream Pump Station																															
A1310	Pipe Supports	30	5	19-Jun-25 A	25-Sep-25	181	■ Pipe Supports																															
Process 60 - Deep Bed Filters/Blower Station		88	30	19-Jun-25 A	30-Oct-25	164	▶ 30-Oct-25, Process 60 - Deep Bed Filters/Blower Station																															
A1330	Pipe Supports	30	5	19-Jun-25 A	25-Sep-25	78	■ Pipe Supports																															
A1350	Pipe Insulation	30	30	19-Sep-25	30-Oct-25	164	■ Pipe Insulation																															
Process 70 - Contact Chamber/Rapid Mix/Effluent PS		30	5	23-Jun-25 A	25-Sep-25	99	▶ 25-Sep-25, Process 70 - Contact Chamber/Rapid Mix/Effluent PS																															
A1400	Pipe Supports	30	5	23-Jun-25 A	25-Sep-25	99	■ Pipe Supports																															
Process 75 - Chemical Storage & Feed		40	5	02-Jun-25 A	25-Sep-25	127	▶ 25-Sep-25, Process 75 - Chemical Storage & Feed																															

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Print Date: 02-Oct-25

NERWRF Improvements Project
Wharton-Smith Inc. Project # 23-182

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							2026																2027												2028			
Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Total Float	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
A6620	Control Panels	150	150	10-Oct-25	15-May-26	-35	Control Panels																															
A6630	Fiberoptic Patch Panels & Cables	70	70	10-Oct-25	22-Jan-26	34	Fiberoptic Patch Panels & Cables																															
A6640	Instruments	80	80	10-Oct-25	05-Feb-26	112	Instruments																															
Process 15 - Side Stream Pump Station		103	45	25-Jun-25 A	20-Nov-25	181	20-Nov-25, Process 15 - Side Stream Pump Station																															
A4110	Submersible Pumps	100	14	25-Jun-25 A	08-Oct-25	197	Submersible Pumps																															
A4120	Pipe Supports	30	30	10-Oct-25	20-Nov-25	181	Pipe Supports																															
Process 60 - Deep Bed Filters/Blower Station		282	178	22-May-25 A	04-Jun-26	56	04-Jun-26, Process 60 - Deep Bed Filters/Blower Station																															
A3930	Filters	100	31	22-May-25 A	31-Oct-25	92	Filters																															
A4890	Valves	150	67	22-May-25 A	24-Dec-25	56	Valves																															
A4000	Blowers	80	38	23-May-25 A	11-Nov-25	177	Blowers																															
A4140	Blower Piping	40	34	18-Jul-25 A	05-Nov-25	192	Blower Piping																															
A5450	Filter Control Panels	200	178	28-Aug-25 A	04-Jun-26	35	Filter Control Panels																															
A3940	Slab Reinforcing - Filter	20	20	26-Sep-25	23-Oct-25	9	Slab Reinforcing - Filter																															
A3950	Walls Reinforcing - Filter	20	20	26-Sep-25	23-Oct-25	48	Walls Reinforcing - Filter																															
A4160	Slab Reinforcing - Blower	20	20	26-Sep-25	23-Oct-25	185	Slab Reinforcing - Blower																															
A3910	Stairs & Walkways	40	40	03-Oct-25	01-Dec-25	141	Stairs & Walkways																															
A3920	Grating	40	40	03-Oct-25	01-Dec-25	23	Grating																															
A4170	Aluminum Canopy	100	100	03-Oct-25	27-Feb-26	91	Aluminum Canopy																															
A4130	Pipe Supports	30	30	10-Oct-25	20-Nov-25	78	Pipe Supports																															
A4150	Pipe Insulation	30	30	14-Nov-25	30-Dec-25	164	Pipe Insulation																															
Process 70 - Contact Chamber/Rapid Mix/Effluent PS		160	87	20-Jun-25 A	26-Jan-26	507	26-Jan-26, Process 70 - Contact Chamber/Rapid Mix/Effluent PS																															
A4900	Valves	150	87	20-Jun-25 A	26-Jan-26	507	Valves																															
A3960	Effluent Submersible Pumps	100	44	02-Jul-25 A	19-Nov-25	38	Effluent Submersible Pumps																															
A5600	Slide Gates - Effluent PS	80	71	19-Aug-25 A	31-Dec-25	523	Slide Gates - Effluent PS																															
A3970	Stairs & Walkways	40	40	03-Oct-25	01-Dec-25	188	Stairs & Walkways																															
A4180	Grating	40	40	03-Oct-25	01-Dec-25	188	Grating																															
A4190	Pipe Supports	30	30	10-Oct-25	20-Nov-25	99	Pipe Supports																															
Process 75 - Chemical Storage & Feed		81	75	08-Aug-25 A	14-Jan-26	116	14-Jan-26, Process 75 - Chemical Storage & Feed																															
A4060	Chemical Tanks	40	16	08-Aug-25 A	31-Oct-25	127	Chemical Tanks																															
A4200	Polymer Feed System	70	26	15-Aug-25 A	31-Oct-25	141	Polymer Feed System																															
A4050	Hypo Chemical Feed System	40	40	03-Oct-25	01-Dec-25	111	Hypo Chemical Feed System																															
A4070	PVC Piping & Accessories	10	10	03-Oct-25	16-Oct-25	146	PVC Piping & Accessories																															
A4080	Stairs & Walkways	40	40	03-Oct-25	01-Dec-25	146	Stairs & Walkways																															
A4090	Aluminum Canopy	70	70	03-Oct-25	14-Jan-26	52	Aluminum Canopy																															
Phase B - Headworks/Electrical Bldg 3/Return PS		410	410	19-Sep-25	07-May-27	20	07-May-27, Phase B - Headworks/Electrical Bldg 3/Return PS																															
Process 03 - On-Site LS		0	0			0																																
Process 05 - Headworks		280	280	03-Oct-25	11-Nov-26	140	11-Nov-26, Process 05 - Headworks																															
A6160	Grit Removal System	280	280	03-Oct-25	11-Nov-26	135	Grit Removal System																															
A6180	Odor Control System	260	260	17-Oct-25	28-Oct-26	129	Odor Control System																															
A6170	Mechanical Screens	260	260	31-Oct-25	11-Nov-26	90	Mechanical Screens																															
A6190	Packaged Plant Water System	250	250	31-Oct-25	28-Oct-26	150	Packaged Plant Water System																															
A6700	Reinforcing Shop Drawings	20	20	20-Jan-26	17-Feb-26	40	Reinforcing Shop Drawings																															
Process 10 - Return Pump Station		100	100	17-Oct-25	13-Mar-26	310	13-Mar-26, Process 10 - Return Pump Station																															
A6210	Submersible Non-clog Pumps	100	100	17-Oct-25	13-Mar-26	310	Submersible Non-clog Pumps																															

Activity ID		Activity Name	Original Duration	Remaining Duration	Start	Finish	Total Float	2026												2027												2028							
								Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
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Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Total Float	2026												2027											
							Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
	A353033	Install CPP	2	2	14-Apr-26	15-Apr-26	31																							
	A353035	Install Panels & Racks	15	15	16-Apr-26	06-May-26	31																							
	A353034	Install TX-1	1	1	16-Apr-26	16-Apr-26	45																							
	A353310	Install Truck Loading Misc Metals	15	15	22-Apr-26	12-May-26	47																							
	A353270	Install Transfer Conveyor	10	10	22-Apr-26	05-May-26	36																							
	A353320	PEMB Reassembly	15	15	22-Apr-26	12-May-26	47																							
	A353290	Install Centrate Drains	5	5	06-May-26	12-May-26	36																							
	A353300	Install Inclined Conveyor	5	5	06-May-26	12-May-26	57																							
	A353036	Wire & Terminate VFD's & Eqt. Panels	20	20	07-May-26	04-Jun-26	31																							
	A353340	Install Flange Piping & Valves	15	15	13-May-26	03-Jun-26	47																							
	A353350	Install Diverter Gates	5	5	13-May-26	19-May-26	57																							
	A353360	Install Polymer Feeder	3	3	13-May-26	15-May-26	36																							
	A353381	Install CCTV	10	10	13-May-26	27-May-26	52																							
	A353370	Install Polymer Piping	10	10	14-May-26	28-May-26	36																							
	A353430	Painting	8	8	04-Jun-26	15-Jun-26	64																							
	A353380	Start-Up Conveyors	5	5	05-Jun-26	11-Jun-26	46																							
	A353372	Start-Up Centrifuges	20	20	05-Jun-26	02-Jul-26	31																							
	A353371	Start-Up Polymer Feeder	10	10	05-Jun-26	18-Jun-26	61																							
	A353410	GPAT	20	20	06-Jul-26	31-Jul-26	31																							
	A353420	Dewatering Building Ready For Service	0	0	31-Jul-26	31-Jul-26	31																							
Phase A - Filters/CCC/Chemical		380	284	05-May-25 A	03-Nov-26	310	03-Nov-26, Phase A - Filters/CCC/Chemical																							
Phase A- Site Electrical & I&C		245	149	05-May-25 A	23-Apr-26	76	23-Apr-26, Phase A - Site Electrical & I&C																							
	A352300	Demo/Relocate Electrical Per Demolition Plan 1	15	4	05-May-25 A	24-Sep-25	221																							
	A352281	Install DB LL	5	5	06-Oct-25	10-Oct-25	0																							
	A352282	Install DB FF	42	42	13-Oct-25	11-Dec-25	0																							
	A352283	Install DB EE	22	22	12-Dec-25	14-Jan-26	0																							
	A352284	Install DB JJ	10	10	15-Jan-26	29-Jan-26	0																							
	A352400	Install FOPP In the Existing EPCs (QTY 16)	30	30	23-Jan-26	06-Mar-26	34																							
	A352285	Install DB KK	5	5	30-Jan-26	05-Feb-26	0																							
	A352286	Install DB DD	5	5	06-Feb-26	12-Feb-26	0																							
	A352287	Install DB HH	6	6	13-Feb-26	23-Feb-26	0																							
	A352288	Install DB GG	8	8	24-Feb-26	05-Mar-26	0																							
	A352289	Install DB CC	10	10	06-Mar-26	19-Mar-26	0																							
	A352290	Install DB BB	25	25	20-Mar-26	23-Apr-26	0																							
Site/Civil/Yard Piping		240	240	19-Sep-25	01-Sep-26	9	01-Sep-26, Site/Civil/Yard Piping																							
	FS1390	Install 10" DR Line to SMH S-8	15	15	19-Sep-25	09-Oct-25	198																							
	FS1430	Install new 8" WM	8	8	25-Sep-25	06-Oct-25	221																							
	FS1440	Pressure test/Disinfect 8" WM	4	4	07-Oct-25	10-Oct-25	221																							
	FS1400	Install SMH S-8	2	2	10-Oct-25	13-Oct-25	198																							
	FS1450	Tie-in 8" WM (Two Locations)	1	1	13-Oct-25	13-Oct-25	221																							
	FS1410	Install 10" DR Line to PS	4	4	14-Oct-25	17-Oct-25	198																							
	FS1460	Install 10" REJ Lines	30	30	20-Oct-25	02-Dec-25	198																							
	FS1290	Install SMH S-7	2	2	17-Jul-26	20-Jul-26	9																							

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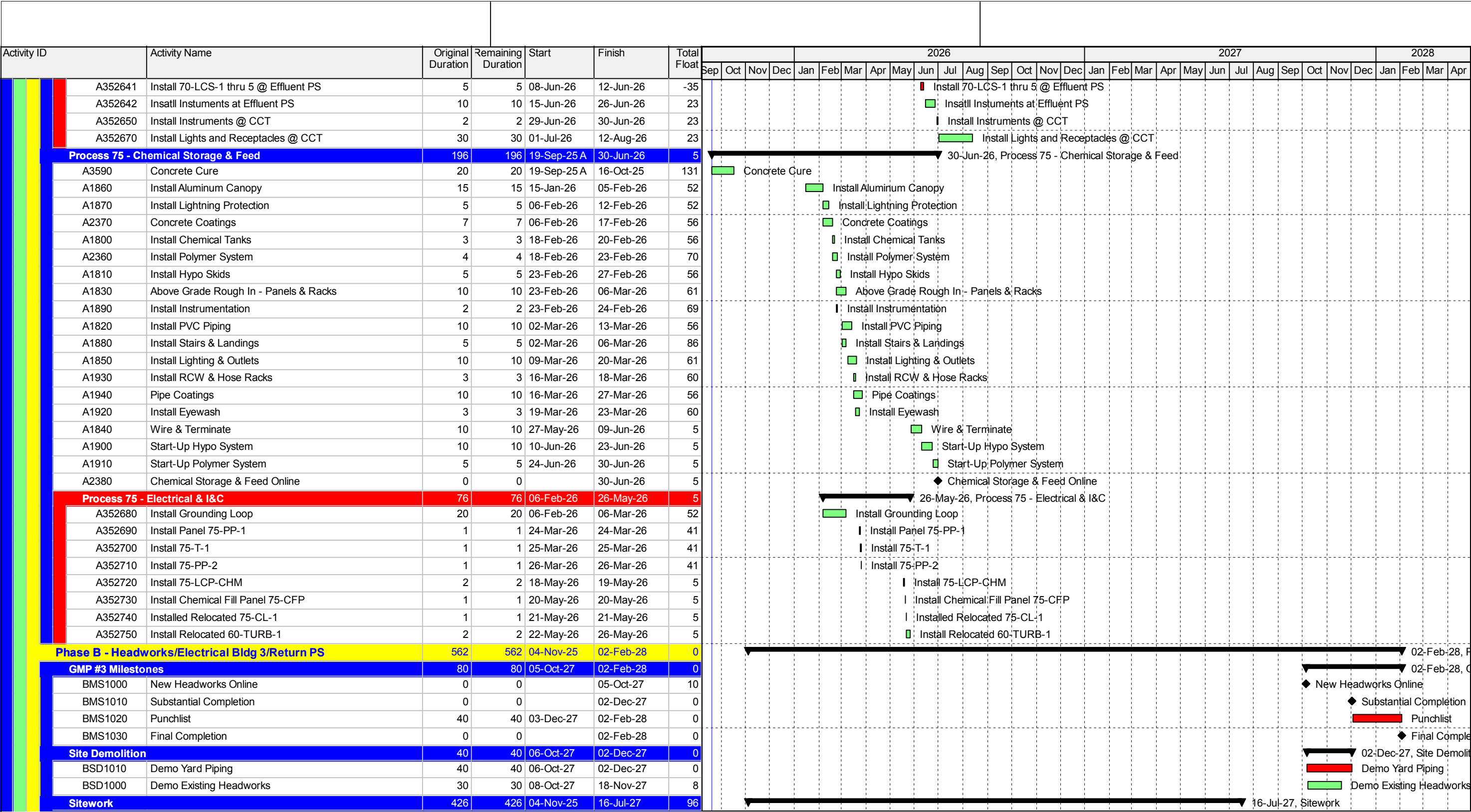
Activity ID		Activity Name	Original Duration	Remaining Duration	Start	Finish	Total Float					2026								2027								2028																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
								Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		FS1330	Install 10" DR Line to SMH S-6	5	5	21-Jul-26	27-Jul-26	9											■	Install 10" DR Line to SMH S-6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		FS1340	Install SMH S-6	2	2	28-Jul-26	29-Jul-26	9												■	Install SMH S-6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		FS1350	Install 10" DR Line to SMH S-7	4	4	30-Jul-26	04-Aug-26	9												■	Install 10" DR Line to SMH S-7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		FS1360	Install SMH S-5	2	2	05-Aug-26	06-Aug-26	9												■	Install SMH S-5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		FS1420	Install 8" DR Line to SMH S-7	15	15	07-Aug-26	27-Aug-26	9													■	Install 8" DR Line to SMH S-7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		FS1370	Install 10" DR Line to SMH S-8	3	3	28-Aug-26	01-Sep-26	9													■	Install 10" DR Line to SMH S-8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		Process 15 - Side Stream Pump Station		126	126	29-Jan-26	28-Jul-26	34													28-Jul-26, Process 15 - Side Stream Pump Station																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

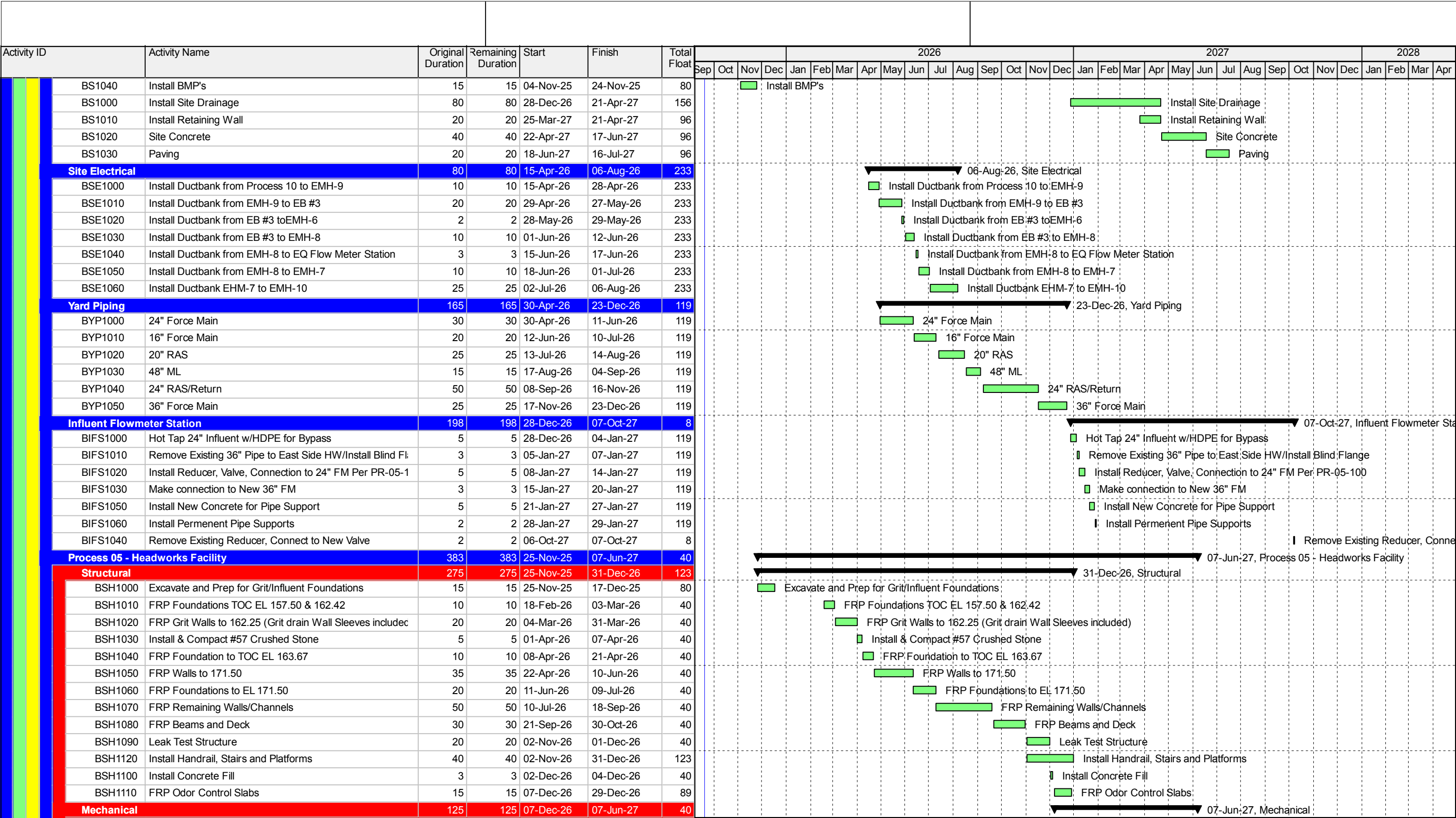
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Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Total Float	2026												2027												2028			
							Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

Activity ID		Activity Name		Original Duration	Remaining Duration	Start	Finish	Total Float	2026												2027												2028							
									Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
	A2020	Install Mixer	3	3	27-Jan-26	29-Jan-26	155																																	
	A2060	Wire & Terminate	3	3	20-May-26	22-May-26	75																																	
	A2410	Start Up Mixer	4	4	26-May-26	29-May-26	75																																	
	A2440	Rapid Mix Chamber Online	0	0		29-May-26	75																																	
	Effluent PS			240	240	20-Nov-25	03-Nov-26	-35	03-Nov-26, Effluent PS																															
	A2171	Excavate Line Stops	5	5	20-Nov-25	26-Nov-25	38																																	
	A5040	Install Line Stops	3	3	01-Dec-25	03-Dec-25	38																																	
	A5020	Install Bypass	10	10	04-Dec-25	17-Dec-25	38																																	
	A5050	Isolate Wetwell 1 & Prove Bypass	5	5	18-Dec-25	24-Dec-25	38																																	
	A5060	Wetwell 1 Offline	0	0		24-Dec-25	38																																	
	A5070	Wetwell 1 Demolition	10	10	26-Dec-25	09-Jan-26	38																																	
	A5080	FRP Concrete	20	20	12-Jan-26	09-Feb-26	38																																	
	A5090	Install Submersible Pumps & Accessories Wetwell 1	4	4	10-Feb-26	13-Feb-26	38																																	
	A5091	Install Misc Metals - WW1	5	5	17-Feb-26	23-Feb-26	53																																	
	A5390	Install Flange Piping - WW1	15	15	17-Feb-26	09-Mar-26	43																																	
	A5110	Install Panels & Racks - WW 1	10	10	01-Jun-26	12-Jun-26	-35																																	
	A5120	Wire & Terminate Wetwell 1	10	10	15-Jun-26	26-Jun-26	-35																																	
	A5130	Start-Up Wetwell 1	3	3	29-Jun-26	01-Jul-26	-35																																	
	A5150	Wetwell 1 In Service	0	0		01-Jul-26	-35																																	
	A5151	Prove Wetwell 1 Pumps	5	5	02-Jul-26	09-Jul-26	-35																																	
	A5160	Wetwell 2 Offline	0	0		09-Jul-26	-35																																	
	A5170	Wetwell 2 Demolition	10	10	10-Jul-26	23-Jul-26	-35																																	
	A5180	FRP Concrete	30	30	24-Jul-26	03-Sep-26	-35																																	
	A5190	Install Submersible Pumps & Accessories Wetwell 2	4	4	04-Sep-26	10-Sep-26	-35																																	
	A5192	Install Flange Piping - WW 2	10	10	11-Sep-26	24-Sep-26	-25																																	
	A5200	Install Panels & Racks - WW2	10	10	11-Sep-26	24-Sep-26	-35																																	
	A5191	Install Misc Metals @ WW 2	5	5	11-Sep-26	17-Sep-26	-20																																	
	A5210	Wire & Terminate Wetwell 2	10	10	25-Sep-26	08-Oct-26	-35																																	
	A5220	Start-Up Wetwell 2	3	3	09-Oct-26	13-Oct-26	-35																														</			





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Activity ID		Activity Name	Original Duration	Remaining Duration	Start	Finish	Total Float					2026												2027												2028														
								Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr											
		BEB31090	FRP HVAC Equipment Pads	2	2	14-Sep-26	15-Sep-26	156																																										
		BEB31100	Install Lighting	15	15	14-Sep-26	02-Oct-26	153																																										
		BEB31110	Intall HVAC Equipment	5	5	16-Sep-26	22-Sep-26	156																																										
		BEB31120	Install Gutters/Downspouts	2	2	23-Sep-26	24-Sep-26	298																																										
		BEB31130	Install Gear	5	5	10-May-27	14-May-27	0																																										
		BEB31140	Wire Terminate	45	45	17-May-27	20-Jul-27	0																																										
		BEB31150	Energize and Test	10	10	21-Jul-27	03-Aug-27	0																																										
		Start-Up & Commissioning		44	44	04-Aug-27	05-Oct-27	0																																										
		BSUC1000	Perform I/O Check-Out	10	10	04-Aug-27	17-Aug-27	0																																										
		BSUC1010	Bump Equipment for Rotation	5	5	18-Aug-27	24-Aug-27	0																																										
		BSUC1020	Perform Equipment Checkout	15	15	25-Aug-27	15-Sep-27	0																																										
		BSUC1030	Introduce RAW to Screen 1 & Test	2	2	16-Sep-27	17-Sep-27	0																																										
		BSUC1040	Introduce RAW to Screen 2 & Test	2	2	20-Sep-27	21-Sep-27	0																																										
		BSUC1050	Performance Test	10	10	22-Sep-27	05-Oct-27	0																																										
		Process 03 - On-Site LS		0	0			0																																										
		Process 10 - Return Pump Station		0	0			0																																										
		Phase C - BNR/EQ Tank/Aeration Basins		0	0			0																																										
		Process 25 - EQ Tank		0	0			0																																										
		Process 30 - BNR		0	0			0																																										
		Process 30D - Aeration Basins		0	0			0																																										
		Process 35 - Blower/MCC Building		0	0			0																																										
		Process 40 - Clarifier Splitter Box		0	0			0																																										
		Process 50 - RAS/WAS Pump Station		0	0			0																																										
		Phase D - GST/Sludge Holding/Reuse HSP		0	0			0																																										
		Process 90 - Reject GST		0	0			0																																										
		Process 100 - Reuse HSP		0	0			0																																										
		Process 110 - Sludge Stabilization Tanks		0	0			0																																										
		Phase E - Electrical & Comms		429	429	19-Sep-25	04-Jun-27	1		04-Jun-27, Phase E - Electrical & Comms																																								
		A7150	Remove Existing Asphalt & Sidewalk	10	10	19-Sep-25	02-Oct-25	41																																										
		A7160	Groundwater Dewatering	10	10	03-Oct-25	16-Oct-25	41																																										
		A7161	Install Excavation Support System	10	10	17-Oct-25	30-Oct-25	41																																										
		A7170	Cut/Cap/Remove Existing 8" W	10	10	31-Dec-25	14-Jan-26	1																																										
A7180	Install /Bact-T Test New 8" W	15	15	15-Jan-26	05-Feb-26	1																																												
A7181	DB AA from New Service Poles to New Service XFMRs	100	100	06-Feb-26	29-Jun-26	1																																												
A7200	DB BB to New XFMR 80-T-1A	5	5	30-Jun-26	07-Jul-26	1																																												
A7212	DB DD from 80-T-1A to Elect. Bldg. 1	5	5	08-Jul-26	14-Jul-26	1																																												
A7201	DB EE from 80-T-2A to Electrical Bldg. 1	15	15	08-Jul-26	28-Jul-26	81																																												
A7261	Form/Place Conduit Bridge Columns	10	10	15-Jul-26	28-Jul-26	1																																												
A7210	DB CC to New XFMR 80-T-2A	5	5	29-Jul-26	04-Aug-26	81																																												

- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆

◆ Milestone
- Summary

[illegible]

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Total Float					2026												2027												2028			
							Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr