**EXHIBIT N**

**LUMP SUM AMENDMENT AGREEMENT FORM**

Pursuant to Sections 3B and 5A of the Design Build Agreement, dated September 9, 2021, between Pinellas County, Florida ("Owner") and ("Design Builder"), for the design and construction of the ("Project"), Owner and Design Builder establish the Lump Sum Price and Contract Time for all the Work as set forth below:

**ARTICLE 1**

**SCOPE OF WORK**

The scope of the Work consists of the design and construction of the Project in accordance with the Agreement, this Amendment and other Contract Documents listed as Attachments 1 through 7 below, which are hereby incorporated into and made a part of the Amendment by this reference:

| Attachment Number | Description | Pages | Dated |
|---|---|---|---|
| 1. | List of Drawings and Specifications | 1 through 7 | May 2020 |
| 2. | Schedule of Values | 1 through 2 | July 2021 |
| 3. | Clarifications, & Exclusions | 1 through 3 | May 2020 |
| 4. | Completion Schedule | 1 through 3 | July 2021 |
| 5. | List of Subcontractors and Major Suppliers | 1 through 1 | May 2020 |
| 6. | Allowances | 1 through 4 | July 2021 |

## DIRECT PURCHASES

The Owner, at its sole discretion, may elect to directly purchase materials and/or equipment included in the Guaranteed Maximum Price in order to take advantage of tax savings. Should the Owner elect to purchase materials and/or equipment directly, the general procedure shall be as follows:

1. All subcontracts shall be competitively bid by the Design Builder as outlined in other sections of this Agreement.

2. Each selected subcontractor shall submit a documented list of materials and/or equipment in the scope of its work in excess of $15,000 along with the amount of sales tax applicable to such material and/or equipment.

3. The Design Builder shall forward these lists to the Owner, and the Owner shall obtain a purchase order for each item.

4. Once purchase orders have been obtained by the Owner for direct payment of these items, the Design Builder shall remove their direct cost from the schedule of Values accompanying its monthly pay applications. Tax savings realized from the Owner's direct purchase of each item, shall be transferred in the Schedule of Values to the line item for the Owner's Contingency. No retainage will be held on Direct Purchase material.

5. The Design Builder will order the materials as approved by the Owner (County Project Manager).

6. Invoices will be delivered directly to the Design Builder.

7. The Design Builder will develop and prepare a detailed summary of all direct purchase items along with their associated asset assignments to the appropriate corresponding County departments and stakeholders and locations in the buildings.

8. The Design Builder and the Owner will sign off on the packing slips to ensure materials ordered were received.

9. Design Builder will match the invoices to the packing slips and submit to the Owner (Pinellas County's Finance Department) via email to ClerkFinanceDivisionFixedAssets@co.pinellas.fl.us to ensure the vendor/subcontractor is paid timely. The invoices must be received in a timely manner in order to comply with Section 218.735, *Florida Statutes* "Local Government Prompt Payment Act". Design Builder should date and time stamp all direct purchases invoices.

## ARTICLE 2

## LUMP SUM PRICE

2.1 The Lump Sum Price for the Work, as defined in Section 3B of the Agreement, is eleven million, nine hundred and twenty-one thousand, five hundred and four Dollars and 00/100 **($11,921,504.00).**

2.2 Monthly installment payment of the Lump Sum Price shall be based upon the percent completion of the designated portion of the Work for each particular month.

2.3 In order to efficiently and timely address certain Change Order situations that may arise during Phase 2, the parties have agreed to establish an Owner controlled contingency within the Lump Sum Price in the amount of two hundred thousand dollars and 00/100 **($200,000.00)** ("Owner's Contingency"). The Design Builder acknowledges and agrees that any change work which is to be charged against the Owner's Contingency must be approved in advance in a Change Order or Construction Change Directive signed by the County Project Manager with supporting documentation. The Owner reserves the right, at its sole discretion, to withhold its consent on Owner's Contingency expenditures. Unused Owner's Contingency remaining at Substantial Completion will be deducted from the Lump Sum Price. Design Builder has no entitlement to any portion of any unused Owner's Contingency.

2.4 If the parties agree to establish Allowances within the Lump Sum Price, said Allowances items and amounts will be identified in Attachment 6. Design Builder shall not proceed with any portion of the Work associated with the aforesaid Allowances ("Allowance Work") without first obtaining Owner's express written authorization to proceed with said Allowance Work.

2.5 Design Builder recognizes that this Contract includes work for trench excavation in excess of five feet deep. Design Builder acknowledges the requirements set forth in Section 553.63 of the Florida Statutes titled Trench Safety Act. Design Builder certifies that the required trench safety standards will be in effect during the period of construction of the Project and Design Builder agrees to comply with all such required trench safety standards.

2.5.1 The amount of ten thousand dollars and 00/100 **($10,000.00)** has been separately identified in Attachment 2, Schedule of Values, for the cost of compliance with the required trench safety standards; said amount is included within the Lump Sum Price.

## ARTICLE 3

## CONTRACT TIME

3.1 The Phase 2 Commencement Date for the Work is September 29, 2021. The total period of time beginning with the Phase 2 Commencement Date through the date required for Substantial Completion of the Work is 405 days ("Contract Time"). THE SUBSTANTIAL COMPLETION DATE IS THEREFORE ESTABLISHED AS May 11, 2023.

3.2 Pursuant to this Agreement, the parties have established a liquidated damage rate for reasons stated therein, which the parties acknowledge and agree apply to this Amendment and Design Builder's responsibility to complete the Work within the Contract Time as stated herein. Accordingly, the liquidated damage rate established in this Agreement shall be assessed from Design Builder for each calendar day Design Builder fails to achieve Substantial Completion for the Designated Work within the Contract Time.

## ARTICLE 4

## MISCELLANEOUS

4.1 Except as expressly modified herein, the terms and conditions of the Agreement remain unchanged. In the event of a conflict between the terms of this Amendment and those of the Agreement, Owner and Design Builder agree that the terms of this Amendment shall prevail and control.

Owner: **PINELLAS COUNTY, by and through its Board of County Commissioners**

By: Dave Eggers

Print Name: Dave Eggers

Its: Chair, Board of County Commissioners

Date: September 9, 2021

Design Builder: **PCL Construction, Inc.**

By:

Print Name: Mike McKinney
President

Shawn W. Britton
Secretary / Treasurer

Its:

Date: 8-9-2021

**APPROVED AS TO FORM**

By: *Jacina Parson*

Office of the County Attorney

BOARD OF COUNTY COMMISSIONERS PINELLAS COUNTY, FLORIDA SEAL

ATTEST: KEN BURKE, CLERK

By:

Deputy Clerk

CONSTRUCTION

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**W.E. DUNN WRF Filtration and Disinfection Improvements Project**

**Contract # 178-0407-NC (SS)**

# Attachment #1 – List of Drawings and Specifications

| SPECIFICATIONS | | |
|---|---|---|
| **DIVISION 00 - GENERAL REQUIREMENTS** | | |
| 00_75_00 | SPECIAL PROVISIONS AND SUPPLEMENTAL TECHNICAL SPECIFICATIONS | MAY, 2020 |
| | | |
| **DIVISION 01 - GENERAL REQUIREMENTS** | | |
| 01_11_00 | SUMMARY OF WORK | MAY, 2020 |
| 01_14_00 | WORK RESTRICTIONS | MAY, 2020 |
| 01_33_00 | SUBMITTAL PROCEDURES | MAY, 2020 |
| 01_35_21 | SELECTIVE ALTERATIONS AND DEMOLITION | MAY, 2020 |
| 01_35_22 | SAFETY PLAN | MAY, 2020 |
| 01_35_45 | PREVENTION, CONTROL, & ABATEMENT OF EROSION & WATER POLLUTION | MAY, 2020 |
| 01_41_00 | REGULATORY REQUIREMENTS | MAY, 2020 |
| 01_42_13 | ABBREVIATIONS AND ACRONYMS | MAY, 2020 |
| 01_45_00 | QUALITY CONTROL | MAY, 2020 |
| 01_45_24 | SPECIAL TESTS AND INSPECTIONS | MAY, 2020 |
| 01_50_00 | TEMPORARY FACILITIES AND CONTROLS | MAY, 2020 |
| 01_60_00 | PRODUCT REQUIREMENTS | MAY, 2020 |
| 01_71_23 | FIELD ENGINEERING | MAY, 2020 |
| 01_75_17 | COMMISSIONING | MAY, 2020 |
| 01_75_18 | DISINFECTION | MAY, 2020 |
| 01_77_00 | CLOSEOUT PROCEDURES | MAY, 2020 |
| 01_78_23 | OPERATION AND MAINTENANCE DATA | MAY, 2020 |
| | | |
| **DIVISION 03 - CONCRETE** | | |
| 03_01_04 | STRUCTURAL CONCRETE REPAIR | MAY, 2020 |
| 03_11_07 | CONCRETE FORMWORK | MAY, 2020 |
| 03_15_00 | CONCRETE ACCESSORIES | MAY, 2020 |
| 03_15_14 | HYDROPHILIC RUBBER WATERSTOP | MAY, 2020 |
| 03_20_00 | CONCRETE REINFORCING | MAY, 2020 |
| 03_21_17 | ADHESIVE-BONDED REINFORCING BARS AND ALL THREAD RODS IN CONCRETE | MAY, 2020 |
| 03_30_00 | CAST-IN-PLACE CONCRETE | MAY, 2020 |
| 03_35_29 | TOOLED CONCRETE FINISHING | MAY, 2020 |
| 03_60_00 | GROUTING | MAY, 2020 |
| 03_63_01 | EPOXIES | MAY, 2020 |
| 03_64_24 | EPOXY INJECTION SYSTEM | MAY, 2020 |
| | | |
| **DIVISION 05 - METALS** | | |
| 05_05_24 | MECHANICAL ANCHORING AND FASTENING TO CONCRETE AND MASONRY | MAY, 2020 |
| 05_12_00 | STRUCTURAL STEEL | MAY, 2020 |
| 05_14_05 | STRUCTURAL ALUMINUM | MAY, 2020 |
| 05_50_00 | METAL FABRICATIONS | MAY, 2020 |
| | | |
| **DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES** | | |
| 06_80_15 | FIBERGLASS REINFORCED PLASTIC | MAY, 2020 |

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Pinellas County

**W.E. DUNN WRF Filtration and Disinfection Improvements Project**

**Contract # 178-0407-NC (SS)**

# Attachment #1 – List of Drawings and Specifications

| | | |
|---|---|---|
| **DIVISION 07 - THERMAL AND MOISTURE PROTECTION** | | |
| 07_90_00 | JOINT SEALANTS | MAY, 2020 |
| | | |
| **DIVISION 09 - FINISHES** | | |
| 09_96_01 | HIGH-PERFORMANCE COATINGS | MAY, 2020 |
| | | |
| **DIVISION 10 - SPECIALTIES** | | |
| 10_14_00 | SIGNAGE | MAY, 2020 |
| | | |
| **DIVISION 13 - SPECIAL CONSTRUCTION** | | |
| 13_34_19 | METAL BUILDING SYSTEMS | MAY, 2020 |
| | | |
| **DIVISION 22 - PLUMBING** | | |
| 22_45_17 | EMERGENCY EYE/FACE WASH AND SHOWER EQUIPMENT | MAY, 2020 |
| | | |
| **DIVISION 26 - ELECTRICAL** | | |
| 26_05_00 | COMMON WORK RESULTS FOR ELECTRICAL | MAY, 2020 |
| 26_05_02 | HAZARDOUS CLASSIFIED AREA CONSTRUCTION | MAY, 2020 |
| 26_05_09 | LOW VOLTAGE MOTORS UP TO 500 HORSEPOWER | MAY, 2020 |
| 26_05_18 | 600-VOLT OR LESS WIRES AND CABLES | MAY, 2020 |
| 26_05_20 | FIBER OPTIC CABLE AND APPURTENANCES | MAY, 2020 |
| 26_05_21 | LOW VOLTAGE WIRE CONNECTIONS | MAY, 2020 |
| 26_05_26 | GROUNDING AND BONDING | MAY, 2020 |
| 26_05_29 | HANGERS AND SUPPORTS | MAY, 2020 |
| 26_05_33 | CONDUITS | MAY, 2020 |
| 26_05_34 | BOXES | MAY, 2020 |
| 26_05_44 | DUCT BANKS | MAY, 2020 |
| 26_05_53 | IDENTIFICATION FOR ELECTRICAL SYSTEMS | MAY, 2020 |
| 26_06_01 | CONDUIT SCHEDULE | MAY, 2020 |
| 26_08_50 | FIELD ELECTRICAL ACCEPTANCE TESTS | MAY, 2020 |
| 26_22_14 | DRY-TYPE TRANSFORMERS | MAY, 2020 |
| 26_24_16 | PANELBOARDS | MAY, 2020 |
| 26_27_26 | WIRING DEVICES | MAY, 2020 |
| 26_28_01 | LOW VOLTAGE MOLDED CASE CIRCUIT BREAKERS | MAY, 2020 |
| 26_28_17 | DISCONNECT SWITCHES | MAY, 2020 |
| 26_29_24 | VARIABLE FREQUENCY DRIVES 0.50 - 50 HORSEPOWER | MAY, 2020 |
| 26_41_01 | LIGHTNING PROTECTION | MAY, 2020 |
| 26_43_14 | SURGE PROTECTIVE DEVICES | MAY, 2020 |
| 26_50_10 | LIGHTING: LED LUMINAIRES | MAY, 2020 |
| | | |
| **DIVISION 31 - EARTHWORK** | | |
| 31_00_00 | EARTHWORK (TO BE INCLUDED AT 100%) | MAY, 2020 |
| 31_05_15 | SOILS AND AGGREGATES FOR EARTHWORK (TO BE INCLUDED AT 100%) | MAY, 2020 |
| 31_23_24 | CONTROLLED LOW STRENGTH MATERIAL (CLSM) (TO BE INCLUDED AT 100%) | MAY, 2020 |

# Attachment #1 – List of Drawings and Specifications

| | | |
|---|---|---|
| 31_23_35 | TRENCHING (TO BE INCLUDED AT 100%) | MAY, 2020 |
| 31_34_07 | LOW DENSITY CELLULAR CONCRETE FILL | MAY, 2020 |
| 31_50_00 | EXCAVATION SUPPORT AND PROTECTION (TO BE INCLUDED AT 100%) | MAY, 2020 |
| 31_63_30 | DRILLED CONCRETE PIERS | MAY, 2020 |
| | | |
| **DIVISION 32 - EXTERIOR IMPROVEMENTS** | | |
| 32_01_15 | PAVEMENT RESTORATION AND REHABILITATION | MAY, 2020 |
| | | |
| **DIVISION 40 - PROCESS INTEGRATION** | | |
| 40_05_00 | 01 COMMON WORK RESULTS FOR GENERAL PIPING - PLANT | MAY, 2020 |
| 40_05_00 | 03 PIPE IDENTIFICATION - PLANT | MAY, 2020 |
| 40_05_00 | 09 PIPING SYSTEMS TESTING - PLANT | MAY, 2020 |
| 40_05_06 | 01 PIPING SPECIALTIES | MAY, 2020 |
| 40_05_06 | 10 STRAINERS | MAY, 2020 |
| 40_05_06 | 55 PIPING INSULATION | MAY, 2020 |
| 40_05_07 | 01 PIPE SUPPORTS | MAY, 2020 |
| 40_05_07 | 03 PREFORMED CHANNEL PIPE SUPPORT SYSTEM | MAY, 2020 |
| 40_05_19 | 01 DUCTILE IRON PIPE: AWWA C151 - PLANT | MAY, 2020 |
| 40_05_31 | 01 PLASTIC PIPING AND TUBING | MAY, 2020 |
| 40_05_51 | 01 COMMON WORK RESULTS FOR VALVES | MAY, 2020 |
| 40_05_52 | SPECIALTY VALVES | MAY, 2020 |
| 40_05_57 | 13 MANUAL ACTUATORS | MAY, 2020 |
| 40_05_57 | 24 ELECTRIC ACTUATORS | MAY, 2020 |
| 40_05_59 | 34 HEAVY-DUTY FABRICATED STAINLESS STEEL SLIDE GATES | MAY, 2020 |
| 40_05_62 | PLUG VALVES | MAY, 2020 |
| 40_05_63 | BALL VALVES | MAY, 2020 |
| 40_05_64 | BUTTERFLY VALVES | MAY, 2020 |
| 40_05_65 | 01 GATE, GLOBE, AND ANGLE VALVES | MAY, 2020 |
| 40_05_65 | 24 CHECK VALVES | MAY, 2020 |
| 40_05_67 | 37 PRESSURE REDUCING AND PRESSURE RELIEF VALVES | MAY, 2020 |
| 40_05_67 | 40 AUTOMATIC AIR AND VACUUM VALVES | MAY, 2020 |
| 40_61_00 | COMMON WORK RESULTS FOR PROCESS CONTROL AND INSTRUMENTATION SYSTEMS | MAY, 2020 |
| 40_61_15 | CONTROL STRATEGIES | MAY, 2020 |
| 40_61_16 | SPECIFIC CONTROL STRATEGIES | MAY, 2020 |
| 40_64_01 | CONTROL SYSTEMS: PROGRAMMABLE LOGIC CONTROLLERS | MAY, 2020 |
| 40_67_01 | CONTROL SYSTEMS: PANELS, ENCLOSURES, AND PANEL COMPONENTS | MAY, 2020 |
| 40_71_15 | FLOW MEASUREMENT: MAGNETIC FLOW | MAY, 2020 |
| 40_71_43 | FLOW MEASUREMENT: ROTAMETERS (VARIABLE AREA FLOWMETERS) | MAY, 2020 |
| 40_71_79 | FLOW MEASUREMENT: SWITCHES | MAY, 2020 |
| 40_72_76 | LEVEL MEASUREMENT: SWITCHES | MAY, 2020 |

# Attachment #1 – List of Drawings and Specifications

| | | |
|---|---|---|
| 40_73_13 | PRESSURE/VACUUM MEASUREMENT: GAUGES | MAY, 2020 |
| 40_73_36 | PRESSURE/VACUUM MEASUREMENT: SWITCHES | MAY, 2020 |
| 40_73_63 | PRESSURE/VACUUM MEASUREMENT: DIAPHRAGM AND ANNULAR SEALS | MAY, 2020 |
| 40_73_64 | PRESSURE/VACUUM MEASUREMENT: INSTRUMENT VALVES | MAY, 2020 |
| 40_75_23 | ANALYZERS: RESIDUAL CHLORINE | MAY, 2020 |
| 40_75_53 | ANALYZERS: TURBIDITY | MAY, 2020 |
| 40_80_01 | COMMISSIONING FOR INSTRUMENTATION AND CONTROLS | MAY, 2020 |
| | | |
| **DIVISION 41 - MATERIAL PROCESSING AND HANDLING EQUIPMENT** | | |
| 41_22_17 | DAVIT CRANES | MAY, 2020 |
| | | |
| **DIVISION 43 - PROCESS GAS AND LIQUID HANDLING, PURIFICATION, AND STORAGE EQUIPMENT** | | |
| 43_23_40 | 20 HORIZONTAL MAGNETIC DRIVE CENTRIFUGAL PUMPS | MAY, 2020 |
| 43_25_00 | 15 SUBMERSIBLE CHEMICAL LIQUID SUMP PUMPS | MAY, 2020 |
| 43_33_20 | 01 CHEMICAL FEED PUMPS | MAY, 2020 |
| 43_41_46 | FIBERGLASS REINFORCED PLASTIC ABOVEGROUND STORAGE TANKS | MAY, 2020 |
| | | |
| **DIVISION 46 - WATER AND WASTEWATER EQUIPMENT** | | |
| 46_05_10 | COMMON WORK RESULTS FOR MECHANICAL EQUIPMENT | MAY, 2020 |
| 46_05_11 | EQUIPMENT IDENTIFICATION | MAY, 2020 |
| 46_05_94 | MECHANICAL EQUIPMENT TESTING | MAY, 2020 |
| 46_41_25 | SUBMERSIBLE MIXERS: HIGH-SPEED | MAY, 2020 |
| 46_61_42 | CLOTH MEDIA TRAVELING BRIDGE FILTERS | MAY, 2020 |

| | | |
|---|---|---|
| **GENERAL DRAWINGS - (G)** | | |
| 1 01G01 | COVER SHEET, LOCATION, AND VICINITY MAP | MAY, 2020 |
| 2 01G02 | SHEET INDEX, CODE AND CLASSIFICATION | MAY, 2020 |
| 3 01G03 | LEGEND, ABBREVIATIONS, AND SYMBOLS | MAY, 2020 |
| 4 01G04 | DESIGN CRITERIA | MAY, 2020 |
| 5 01G05 | PROCESS FLOW SCHEMATIC | MAY, 2020 |
| 6 01G06 | FILTER HYDRAULIC PROFILE | MAY, 2020 |
| 7 01G07 | SITE SURVEY, CONSTRUCTION STAGING AND SITE ACCESS PLAN | MAY, 2020 |
| | | |
| **DEMOLITION - (D)** | | |
| 9 08D01 | TERTIARY FILTERS - DEMOLITION PLAN | MAY, 2020 |
| 10 08D02 | TERTIARY FILTERS - DEMOLITION SECTIONS AND DETAILS | MAY, 2020 |
| 12 09D01 | EXISTING GAS CHLORINE BLDG- DEMOLITION PLAN | MAY, 2020 |

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**W.E. DUNN WRF Filtration and Disinfection Improvements Project**

**Contract # 178-0407-NC (SS)**

# Attachment #1 – List of Drawings and Specifications

| | | |
|---|---|---|
| **CIVIL/SITE DRAWINGS - (C)** | | |
| 15 03C01 | CIVIL - LEGEND, ABBREVIATIONS, SYMBOLS AND GENERAL NOTES | MAY, 2020 |
| 16 03C02 | PAVING AND GRADING PLAN - NEW DISINFECTION FACILITIES AREA | MAY, 2020 |
| 17 03C03 | YARD PIPING PLAN 1 - FILTER AND DISINFECTION AREA | MAY, 2020 |
| 18 03C04 | YARD PIPING PLAN 2 - REJECT POND AREA | MAY, 2020 |
| 19 99C01 | TYPICAL CIVIL DETAILS | MAY, 2020 |
| | | |
| **STRUCTURAL DRAWINGS - (S)** | | |
| 20 01S01 | STRUCTURAL - GENERAL NOTES | MAY, 2020 |
| 21 01S02 | STRUCTURAL - PILE SCHEDULE | MAY, 2020 |
| 22 08S01 | TERTIARY FILTERS BOTTOM PLAN | MAY, 2020 |
| 23 08S02 | TERTIARY FILTERS TOP PLAN | MAY, 2020 |
| 24 08S03 | TERTIARY FILTERS ROOF FRAMING PLAN | MAY, 2020 |
| 25 08S04 | TERTIARY FILTERS SECTIONS AND DETAILS I | MAY, 2020 |
| 26 08S05 | TERTIARY FILTERS SECTIONS AND DETAILS II | MAY, 2020 |
| 27 08S06 | TERTIARY FILTERS SECTIONS AND DETAILS III | MAY, 2020 |
| 28 08S07 | TERTIARY FILTERS SECTIONS AND DETAILS IV | MAY, 2020 |
| 29 09S01 | DISINFECTION FACILITIES- FOUNDATION PLAN | MAY, 2020 |
| 30 09S02 | DISINFECTION FACILITIES- FLOOR PLAN | MAY, 2020 |
| 31 09S03 | DISINFECTION FACILITIES- ROOF FRAMING PLAN | MAY, 2020 |
| 32 09S04 | DISINFECTION FACILITIES- SECTION AND DETAILS I | MAY, 2020 |
| 33 09S05 | DISINFECTION FACILITIES- SECTION AND DETAILS II | MAY, 2020 |
| 36 99A01 | TYPICAL ARCHITECTURAL DETAILS I | MAY, 2020 |
| 37 99A02 | TYPICAL ARCHITECTURAL DETAILS II | MAY, 2020 |
| 38 99S01 | TYPICAL STRUCTURAL DETAILS I | MAY, 2020 |
| 39 99S02 | TYPICAL STRUCTURAL DETAILS II | MAY, 2020 |
| 40 99S03 | TYPICAL STRUCTURAL DETAILS III | MAY, 2020 |
| | | |
| **PROCESS MECHANICAL DRAWINGS - (M)** | | |
| 42 01M01 | MECHANICAL - LEGEND, ABBREVIATIONS AND SYMBOLS | MAY, 2020 |
| 43 08M01 | TERTIARY FILTERS - PLAN | MAY, 2020 |
| 44 08M02 | TERTIARY FILTERS - SECTION AND DETAILS I | MAY, 2020 |
| 45 08M03 | TERTIARY FILTERS - SECTION AND DETAILS II | MAY, 2020 |
| 46 08M04 | TERTIARY FILTERS - SECTION AND DETAILS III | MAY, 2020 |
| | | |
| 48 09M01 | DISINFECTION FACILITIES- PLAN | MAY, 2020 |
| 49 09M02 | DISINFECTION FACILITIES- SECTION AND DETAILS I | MAY, 2020 |
| 50 09M03 | DISINFECTION FACILITIES- SECTION AND DETAILS II | MAY, 2020 |
| 51 09M04 | DISINFECTION FACILITIES- SECTION AND DETAILS III | MAY, 2020 |

# Attachment #1 – List of Drawings and Specifications

| | | |
|---|---|---|
| 52 09M05 | DISINFECTION FACILITIES- TANK SCHEDULE | MAY, 2020 |
| 53 09M06 | CHLORINE CONTACT CHAMBER - PLAN AND SECTION | MAY, 2020 |
| 56 99M01 | TYPICAL MECHANICAL DETAILS I | MAY, 2020 |
| 57 99M02 | TYPICAL MECHANICAL DETAILS II | MAY, 2020 |
| 58 99M03 | TYPICAL MECHANICAL DETAILS III | MAY, 2020 |
| 59 99M04 | TYPICAL MECHANICAL DETAILS IV | MAY, 2020 |
| | | |
| **ELECTRICAL DRAWINGS - (E)** | | |
| 60 01E01 | ELECTRICAL LEGEND AND SYMBOLS | MAY, 2020 |
| 61 01E02 | ELECTRICAL LEGEND AND ABBREVIATIONS | MAY, 2020 |
| 62 01E03 | PARTIAL WRF ELECTRICAL SITE PLAN | MAY, 2020 |
| 63 01E04 | ELECTRICAL DUCTBANK SECTIONS, LIGHTING AND PULL BOX SCHEDULE | MAY, 2020 |
| 64 02E01 | PANEL SCHEDULES | MAY, 2020 |
| 65 02E02 | ONE LINE DIAGRAM | MAY, 2020 |
| 66 02E03 | EXISTING MCC WEST POWER PLAN | MAY, 2020 |
| 68 08E01 | TERTIARY FILTERS CONTROL PANELS DETAILS | MAY, 2020 |
| 69 08E02 | TERTIARY FILTERS - AREA POWER PLAN | MAY, 2020 |
| 70 08E03 | TERTIARY FILTERS - LIGHTING PLAN | MAY, 2020 |
| 71 08E04 | TERTIARY FILTERS - LIGHTING AND GROUNDING PLAN | MAY, 2020 |
| 73 09E01 | DISINFECTION FACILITIES-CONTROL AND POWER PLAN | MAY, 2020 |
| 74 09E02 | DISINFECTION FACILITIES-LIGHTING PLAN | MAY, 2020 |
| 75 09E03 | DISINFECTION FACILITIES-LIGHTING AND GROUNDING PLAN | MAY, 2020 |
| 76 09E04 | DISINFECTION FACILITIES-SECTIONS | MAY, 2020 |
| 79 99E01 | TYPICAL ELECTRICAL DETAILS I | MAY, 2020 |
| 80 99E02 | TYPICAL ELECTRICAL DETAILS II | MAY, 2020 |
| 81 99E03 | TYPICAL ELECTRICAL DETAILS III | MAY, 2020 |
| 82 99E04 | TYPICAL ELECTRICAL DETAILS IV | MAY, 2020 |
| 83 99E05 | TYPICAL ELECTRICAL DETAILS V | MAY, 2020 |
| 84 99E06 | TYPICAL ELECTRICAL DETAILS VI | MAY, 2020 |
| 85 99E07 | TYPICAL ELECTRICAL DETAILS VII | MAY, 2020 |
| 86 99E08 | TYPICAL ELECTRICAL DETAILS VIII | MAY, 2020 |
| 87 99E09 | TYPICAL ELECTRICAL DETAILS IX | MAY, 2020 |
| 88 100E0 | 1 CONDUIT SCHEDULE I | MAY, 2020 |
| 89 100E0 | 2 CONDUIT SCHEDULE II | MAY, 2020 |
| | | |
| **INSTRUMENTATION AND CONTROLS DRAWINGS - (N)** | | |
| 90 01N01 | INSTRUMENTATION - LEGEND, ABBREVIATIONS I | MAY, 2020 |
| 91 01N02 | INSTRUMENTATION - LEGEND, ABBREVIATIONS II | MAY, 2020 |
| 92 01N03 | NETWORK DIAGRAM | MAY, 2020 |
| 94 08N01 | TERTIARY FILTER NO. 1 - P&ID | MAY, 2020 |
| 95 08N02 | TERTIARY FILTER NO. 2 - P&ID | MAY, 2020 |
| 96 08N03 | TERTIARY FILTER NO. 3 - P&ID | MAY, 2020 |

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Pinellas County

**W.E. DUNN WRF Filtration and Disinfection Improvements Project**

**Contract # 178-0407-NC (SS)**

# Attachment #1 – List of Drawings and Specifications

| | | |
|---|---|---|
| 97 09N01 | DISINFECTION STORAGE TANKS - P&ID | MAY, 2020 |
| 98 09N02 | DISINFECTION LOOP SYSTEM - P&ID | MAY, 2020 |
| 99 09N03 | DISINFECTION METERING PUMPS - P&ID I | MAY, 2020 |
| 100 09N0 | 4 DISINFECTION METERING PUMPS - P&ID II | MAY, 2020 |
| 101 09N0 | 5 CHLORINE CONTACT CHAMBERS - P&ID | MAY, 2020 |

The design services required hereunder were performed in accordance with the prevailing engineering standard of care by exercising the skill and ability ordinarily required of engineers performing the same or similar services and circumstances in the State of Florida.

# SCHEDULE OF VALUES

Attachment #2 - Phase II Schedule of Values



**Job:** Design Build Services - Dunn WRF Filtration & Disenfection Improvments - **Phase 2**

**Contract No:** 178-0407-NC(SS)

APPLICATION NUMBER:

APPLICATION DATE:

PERIOD TO:

| A | B | | | | C | | | D | | E | F | G | | H | I |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | WORK COMPLETED | | | | | | | | | |
| ITEM NO. | DESCRIPTION OF WORK | QTY | UNIT OF MEASURE | UNIT PRICE | SCHEDULED VALUE | TOTAL QUANTITIY COMPLETED | TOTAL QUANTITIY COMPLETED PREVIOUS APP | TOTAL COMPLETED (D +E FROM PREVIOUS APP) | QUANTITY COMPLETED THIS PERIOD | COMPLETED THIS PERIOD | MATERIALS PRESENTLY STORED (NOT IN D OR E) | TOTAL COMPLETED AND STORED TO DATE (D+E+F) | % (G/C) | BALANCE TO FINISH (C - G) | RETAINAGE 5% |
| **1000** | **PHASE 1A - MOBILIZATION** | | | | | | | | | | | | | | |
| 1010 | Mobilization & Demobilization | 1.00 | LS | $ 150,000.00 | $ 150,000.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 150,000.00 | 0.00 |
| 1020 | Temporary Field Offices & Support Equipment | 1.00 | LS | $ 211,000.00 | $ 211,000.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 211,000.00 | 0.00 |
| 1030 | Errosion Control & Trench Safety | 1.00 | LS | $ 10,000.00 | $ 10,000.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 10,000.00 | 0.00 |
| 1040 | Maintenance of Plant Operations | 1.00 | LS | $ 126,470.00 | $ 126,470.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 126,470.00 | 0.00 |
| 1050 | General Administration & Construction Management | 1.00 | LS | $ 1,172,710.00 | $ 1,172,710.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 1,172,710.00 | 0.00 |
| 1060 | Design Builder Performance & Payment Bonds | 1.00 | LS | $ 66,864.00 | $ 66,864.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 66,864.00 | 0.00 |
| 1070 | Design Builder Insurance | 1.00 | LS | $ 115,007.00 | $ 115,007.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 115,007.00 | 0.00 |
| 1080 | Design Builder Fee | 1.00 | LS | $ 567,690.67 | $ 567,690.67 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 567,690.67 | 0.00 |
| | | | | | | | | | | | | | | | |
| **1100** | **PHASE 1B - DESIGN AND PERMITTING** | | | | | | | | | | | | | | |
| 1110 | 100% Construction Documents | 1.00 | LS | $ 111,365.00 | $ 111,365.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 111,365.00 | 0.00 |
| 1120 | Engineering, Permitting, and Inspection Services During Construction | 1.00 | LS | $ 177,254.00 | $ 177,254.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 177,254.00 | 0.00 |
| | | | | | | | | | | | | | | | |
| **2000** | **PHASE 2 - FILTRATION STURCTURE IMPROVEMENTS** | | | | | | | | | | | | | | |
| | **SITE CIVIL** | | | | | | | | | | | | | | |
| 2010 | Potholing | 1.00 | LS | $ 5,000.00 | $ 5,000.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 5,000.00 | 0.00 |
| 2020 | Clear Trees @ Filter Beds | 1.00 | LS | $ 4,000.00 | $ 4,000.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 4,000.00 | 0.00 |
| 2030 | Demo Filters | 1.00 | LS | $ 460,962.33 | $ 460,962.33 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 460,962.33 | 0.00 |
| 2040 | Demo Old Instrument Shed | 1.00 | LS | $ 11,145.00 | $ 11,145.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 11,145.00 | 0.00 |
| 2050 | Pressure Washing | 1.00 | LS | $ 14,536.00 | $ 14,536.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 14,536.00 | 0.00 |
| 2060 | Site Grade | 1.00 | LS | $ 19,341.00 | $ 19,341.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 19,341.00 | 0.00 |
| 2070 | Catch Basin Rebuild | 1.00 | LS | $ 9,299.00 | $ 9,299.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 9,299.00 | 0.00 |
| 2080 | Topsoil Placement | 1.00 | LS | $ 7,502.00 | $ 7,502.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 7,502.00 | 0.00 |
| 2090 | Excavation on West Side | 1.00 | LS | $ 18,577.00 | $ 18,577.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 18,577.00 | 0.00 |
| 2100 | Local Dewatering on Filter Basin | 1.00 | LS | $ 21,761.00 | $ 21,761.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 21,761.00 | 0.00 |
| | **STRUCTURAL** | | | | | | | | | | | | | | |
| 2110 | Concrete @ Filter Basin | 1.00 | LS | $ 310,000.00 | $ 310,000.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 310,000.00 | 0.00 |
| 2120 | Pipe Encasements | 1.00 | LS | $ 61,405.00 | $ 61,405.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 61,405.00 | 0.00 |
| | **METALS** | | | | | | | | | | | | | | |
| 2130 | Aluminum Grating, Stairs, Handrail | 1.00 | LS | $ 131,298.00 | $ 131,298.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 131,298.00 | 0.00 |
| | **FINISHES** | | | | | | | | | | | | | | |
| 2140 | Interior Filter Coatings | 1.00 | LS | $ 254,316.00 | $ 254,316.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 254,316.00 | 0.00 |
| 2150 | External Surface Rehab @ Cutoff | 1.00 | LS | $ 5,084.00 | $ 5,084.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 5,084.00 | 0.00 |
| | **EQUIPMENT** | | | | | | | | | | | | | | |
| 2160 | Influent Gates | 1.00 | LS | $ 111,120.00 | $ 111,120.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 111,120.00 | 0.00 |
| 2170 | Aquadiamond Filters | 1.00 | LS | $ 3,014,925.00 | $ 3,014,925.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 3,014,925.00 | 0.00 |
| | **SPECIAL CONSTRUCTION** | | | | | | | | | | | | | | |
| 2180 | Canopy | 1.00 | LS | $ 215,071.00 | $ 215,071.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 215,071.00 | 0.00 |
| 2190 | FRP Shed for Instrument Analyzer | 1.00 | LS | $ 40,633.00 | $ 40,633.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 40,633.00 | 0.00 |
| | **MECHANICAL** | | | | | | | | | | | | | | |
| 2200 | Install Backwash Pipe Under Filters | 1.00 | LS | $ 19,261.00 | $ 19,261.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 19,261.00 | 0.00 |
| 2210 | Install Backwash Pipe Run | 1.00 | LS | $ 11,202.00 | $ 11,202.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 11,202.00 | 0.00 |
| 2220 | Backwash Line Tie Into Existing Drain | 1.00 | LS | $ 3,368.00 | $ 3,368.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 3,368.00 | 0.00 |
| 2230 | Install Drain Pipe 3ea | 1.00 | LS | $ 41,794.00 | $ 41,794.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 41,794.00 | 0.00 |
| 2240 | Testing Backwash & Drain Lines | 1.00 | LS | $ 9,516.00 | $ 9,516.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 9,516.00 | 0.00 |
| 2250 | Install Resuse Line & Hose Bibs | 1.00 | LS | $ 42,910.00 | $ 42,910.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 42,910.00 | 0.00 |
| 2260 | Relocate Existing Turbidity Analyzer | 1.00 | LS | $ 3,039.00 | $ 3,039.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 3,039.00 | 0.00 |
| 2270 | Relocate Filter Chemscan Sample Pump | 1.00 | LS | $ 3,039.00 | $ 3,039.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 3,039.00 | 0.00 |
| 2280 | Re Install RW Line to Sample Pump | 1.00 | LS | $ 3,568.00 | $ 3,568.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 3,568.00 | 0.00 |
| 2290 | Relocate Davit Crane & Base | 1.00 | LS | $ 2,774.00 | $ 2,774.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 2,774.00 | 0.00 |
| 2300 | Mechanical Expendables | 1.00 | LS | $ 6,548.00 | $ 6,548.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 6,548.00 | 0.00 |
| | | | | | | | | | | | | | | | |
| **3000** | **PHASE 3 - DISINFECTION IMPROVEMENTS** | | | | | | | | | | | | | | |
| | **SITE CIVIL** | | | | | | | | | | | | | | |
| 3010 | Clear Trees @ Disinfection Bldg | 1.00 | LS | $ 5,296.00 | $ 5,296.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 5,296.00 | 0.00 |
| 3020 | Sedimentation Control | 1.00 | LS | $ 21,450.00 | $ 21,450.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 21,450.00 | 0.00 |
| 3030 | Onsite Disinfection Line | 1.00 | LS | $ 78,000.00 | $ 78,000.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 78,000.00 | 0.00 |
| 3040 | Offsite Disinfection Line | 1.00 | LS | $ 70,285.00 | $ 70,285.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 70,285.00 | 0.00 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3050 | Chlorine Connections to Existing | 1.00 | LS | $ 12,563.00 | $ 12,563.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 12,563.00 | 0.00 |
| 3060 | Testing of Disinfection Lines | 1.00 | LS | $ 5,113.00 | $ 5,113.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 5,113.00 | 0.00 |
| 3070 | Potable Waterline | 1.00 | LS | $ 17,380.00 | $ 17,380.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 17,380.00 | 0.00 |
| 3080 | 4" Drain from FRP Shed | 1.00 | LS | $ 21,244.00 | $ 21,244.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 21,244.00 | 0.00 |
| 3090 | Piping to new FRP Shed | 1.00 | LS | $ 24,239.00 | $ 24,239.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 24,239.00 | 0.00 |
| 3100 | Temporary Pipe Base | 1.00 | LS | $ 12,977.00 | $ 12,977.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 12,977.00 | 0.00 |
| 3110 | Soil Excavation | 1.00 | LS | $ 20,470.00 | $ 20,470.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 20,470.00 | 0.00 |
| 3120 | Backfill | 1.00 | LS | $ 1,117.00 | $ 1,117.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 1,117.00 | 0.00 |
| 3130 | Asphalt Paving | 1.00 | LS | $ 118,082.00 | $ 118,082.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 118,082.00 | 0.00 |
| | **STRUCTURAL** | | | | | | | | | | | | | | |
| 3140 | New Disinfection SOG, Walls, and Pads | 1.00 | LS | $ 322,613.00 | $ 322,613.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 322,613.00 | 0.00 |
| 3150 | Precast Structures | 1.00 | LS | $ 27,059.00 | $ 27,059.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 27,059.00 | 0.00 |
| | **METALS** | | | | | | | | | | | | | | |
| 3160 | FRP Platform & Stairs | 1.00 | LS | $ 55,488.00 | $ 55,488.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 55,488.00 | 0.00 |
| 3170 | Bollards | 1.00 | LS | $ 12,421.00 | $ 12,421.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 12,421.00 | 0.00 |
| | **FINISHES** | | | | | | | | | | | | | | |
| 3180 | Disinfection Bldg Coatings | 1.00 | LS | $ 70,000.00 | $ 70,000.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 70,000.00 | 0.00 |
| | **EQUIPMENT** | | | | | | | | | | | | | | |
| 3190 | Bulk Storage Tanks | 1.00 | LS | $ 212,401.00 | $ 212,401.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 212,401.00 | 0.00 |
| 3200 | Recirculation Pumps | 1.00 | LS | $ 34,065.00 | $ 34,065.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 34,065.00 | 0.00 |
| 3210 | Chemical Dosing Skids | 1.00 | LS | $ 126,700.00 | $ 126,700.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 126,700.00 | 0.00 |
| 3220 | Sump Pump | 1.00 | LS | $ 2,613.00 | $ 2,613.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 2,613.00 | 0.00 |
| | **SPECIAL CONSTRUCTION** | | | | | | | | | | | | | | |
| 3230 | Pre-Engineered Metal Canopy | 1.00 | LS | $ 52,562.00 | $ 52,562.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 52,562.00 | 0.00 |
| | **MECHANICAL** | | | | | | | | | | | | | | |
| 3240 | Piping Materials | 1.00 | LS | $ 166,303.00 | $ 166,303.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 166,303.00 | 0.00 |
| 3250 | Washdown Stations & Bird System | 1.00 | LS | $ 13,236.00 | $ 13,236.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 13,236.00 | 0.00 |
| 3260 | Install Disenfection Building Piping | 1.00 | LS | $ 41,732.00 | $ 41,732.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 41,732.00 | 0.00 |
| 3270 | Offsite Pump Skid Piping | 1.00 | LS | $ 7,810.00 | $ 7,810.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 7,810.00 | 0.00 |
| | | | | | | | | | | | | | | | |
| **4000** | **PHASE 4 - ELECTRICAL** | | | | | | | | | | | | | | |
| 4010 | Install Ductbanks and Manholes | 1.00 | LS | $ 264,819.00 | $ 264,819.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 264,819.00 | 0.00 |
| 4020 | Filtration Electrical Distribution Panels | 1.00 | LS | $ 116,520.00 | $ 116,520.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 116,520.00 | 0.00 |
| 4030 | Filtration Electrical Rough In | 1.00 | LS | $ 79,445.00 | $ 79,445.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 79,445.00 | 0.00 |
| 4040 | Filtration Grounding Grid | 1.00 | LS | $ 47,667.00 | $ 47,667.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 47,667.00 | 0.00 |
| 4050 | Filtration Wiring & Terminations | 1.00 | LS | $ 105,927.00 | $ 105,927.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 105,927.00 | 0.00 |
| 4060 | Filtration Lighting | 1.00 | LS | $ 52,963.00 | $ 52,963.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 52,963.00 | 0.00 |
| 4070 | Disinfection Electrical Distribution Panels | 1.00 | LS | $ 79,445.00 | $ 79,445.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 79,445.00 | 0.00 |
| 4080 | Disinfection Electrical Rough In | 1.00 | LS | $ 68,852.00 | $ 68,852.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 68,852.00 | 0.00 |
| 4090 | Disinfection Grounding Grid | 1.00 | LS | $ 37,074.00 | $ 37,074.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 37,074.00 | 0.00 |
| 4100 | Disinfection Wiring & Terminations | 1.00 | LS | $ 84,742.00 | $ 84,742.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 84,742.00 | 0.00 |
| 4110 | Disinfection Lighting | 1.00 | LS | $ 47,667.00 | $ 47,667.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 47,667.00 | 0.00 |
| 4120 | Electrical Startup & Testing | 1.00 | LS | $ 28,329.00 | $ 28,329.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 28,329.00 | 0.00 |
| | | | | | | | | | | | | | | | |
| **5000** | **PHASE 5 - INSTRUMENTATION & CONTROLS** | | | | | | | | | | | | | | |
| 5010 | Furnish New PLCs | 1.00 | LS | $ 105,927.00 | $ 105,927.00 | | - | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 105,927.00 | 0.00 |
| 5020 | New Turbidity Panel | 1.00 | LS | $ 47,667.00 | $ 47,667.00 | | - | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 47,667.00 | 0.00 |
| 5030 | New Field Instruments & Analyzers | 1.00 | LS | $ 86,025.00 | $ 86,025.00 | | - | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 86,025.00 | 0.00 |
| 5040 | Fiber Optic Supply & Testing | 1.00 | LS | $ 13,240.00 | $ 13,240.00 | | - | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 13,240.00 | 0.00 |
| 5050 | Startup & Testing | 1.00 | LS | $ 42,371.00 | $ 42,371.00 | | - | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 42,371.00 | 0.00 |
| | | | | | | | | | | | | | | | |
| | **CONTINEGENCIES / ALLOWANCES** | | | | | | | | | | | | | | |
| A1 | Project Permits and Fees Allowance | 1.00 | CA | $ 25,000.00 | $ 25,000.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 25,000.00 | 0.00 |
| A2 | Landscaping and Irrigation Allowance | 1.00 | CA | $ 15,000.00 | $ 15,000.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 15,000.00 | 0.00 |
| A3 | Structural Repairs Allowance | 1.00 | CA | $ 153,000.00 | $ 153,000.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 153,000.00 | 0.00 |
| A4 | Unforseen Conditions Allowance | 1.00 | CA | $ 200,000.00 | $ 200,000.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 200,000.00 | 0.00 |
| A5 | General Conditions Extension Allowance | 1.00 | MO | $ 80,000.00 | $ 80,000.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 80,000.00 | 0.00 |
| A6 | Mixers at CCC Allowance | 1.00 | CA | $ 145,250.00 | $ 145,250.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 145,250.00 | 0.00 |
| A7 | Deep Foundation Support System Allowance | 1.00 | CA | $ 220,000.00 | $ 220,000.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 220,000.00 | 0.00 |
| A8 | Owner Contingency | 1.00 | CA | $ 200,000.00 | $ 200,000.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 200,000.00 | 0.00 |
| A9 | Design Builder Contingency | 1.00 | LS | $ 450,000.00 | $ 450,000.00 | | | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00% | 450,000.00 | 0.00 |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | **TOTALS** | | | | **$ 11,921,504.00** | | | **$ -** | | **$ -** | | **$ -** | **0.00%** | **$ 11,921,504.00** | **$ -** |

CONSTRUCTION

Engineers...Working Wonders With Water®

**W.E. DUNN WRF Filtration and Disinfection Improvements Project**

**Contract # 178-0407-NC (SS)**

**GENERAL NOTES**

1. The pricing for the Lump Sum Proposal is based on 90 percent Specification and 70 percent drawings dated May 2020. Any additional scope and/or work added to the design subsequent to this design phase and/or required from Permit Review or other Authorities have Jurisdiction (AHJ) shall be funded by the Owner Contingency.

2. Removal of hazardous materials encountered during the work and not identified by the Contract Documents shall be reimbursed through the Owner Contingency. In the event suspected Asbestos Containing Materials (ACM's) or other hazardous materials are encountered, work in the area(s) will be halted until the Owner's testing agency samples and confirms the presence/absence of ACM's/hazardous materials. If ACM's/hazardous materials are present, it shall be the Owner's responsibility to remove any ACM's and/or hazardous materials and retest.

3. Application, review, and impact fees for permitting will be paid through the "Permit Allowance" which has been included as part of this Lump Sum proposal. These are assumed to be FDEP Construction Dewatering Permit, Pinellas County Building Permit and FDEP form 62-620.910(2) Notification of Construction Completion.

4. Based on our construction sequencing the Owner is responsible for operation of the existing/new process equipment as it is placed into service.

5. PCL's phased construction sequence requires multiple warranties start dates to apply as equipment is placed into service and the County has beneficial use. It is assumed that beneficial use occurs after the manufacturers testing is completed, functional checkout has been signed off by the owner, and the equipment is used to process and treat plant flow.

6. It is assumed that the existing filter basin is structurally sound and free of leakage.

7. All work associated with the Plant Drain Pump Station, the associated piping, and the Screening channel is excluded from this model per Owner's direction during design workshop dated 1/28/2020.

8. Billable rates for labor and equipment shown in tab 5 will be applicable for allowance, contingency and change order work.

9. PCL assumes the LD's specified also apply to final completion.

10. If construction is suspended by Owner, the Design Builder assumes we will be compensated for all work in progress.

CONSTRUCTION

Engineers...Working Wonders With Water®

**W.E. DUNN WRF Filtration and Disinfection Improvements Project**

**Contract # 178-0407-NC (SS)**

## GENERAL REQUIREMENTS

11. The work is phased to commence with the rehabilitation of existing Filter 4, followed by existing Filters 2 and 3 concurrently. It is assumed that existing Filter 2 and existing Filter 3 can be taken out of service concurrently, relying on new Filter 1 (previously named existing Filter 4) and existing Filter 1 to handle plant flow and maintain compliance with all treatment permits.

12. Assumes utilities (Power, Water, Sewer) use and fees for temporary facilities, equipment testing, startup and commissioning are to be supplied by Owner.

13. Existing flow isolation gates and valves are assumed to be in normal operation condition and can be used to isolate flows.

14. Assume one tank fill for each of the Sodium Hypochlorite bulk tanks prior start-up and testing. Any additional chemical fills are by Owner.

## SITEWORK

15. Assumes abandoning and capping in place all underground utilities that are no longer used.

16. Includes the asphalt restoration and in-kind replacement of the road to the offsite HS distribution station to the width of our trench. Ductbank runs will be restored to trench widths. County standard details apply for asphalt restoration.

17. Assumes that the Design Builder will coordinate with the Owner's existing chlorine gas supplier for the purging and abandoning of existing chlorine gas lines and equipment. All expenses from Chlorine Gas Supplier to be covered by Owner.

18. Assumes that groundwater produced from dewatering operations can be discharged into the existing storm drain system in accordance with approved permits, state and local regulations, and erosion control & sedimentation contract drawings & specifications.

## CONCRETE

19. Assumes the existing concrete is of adequate structural integrity to allow for structural modifications.

## MISCELLANEOUS METALS

20. Existing supports will be reused where possible in the filtration structure.

## PAINT & COATINGS

21. Assumes necessary coatings of concrete surfaces in the New Filter Basins excluding existing channels. Any channels that are continually used to process flow will not be coated.

## PROCESS EQUIPMENT

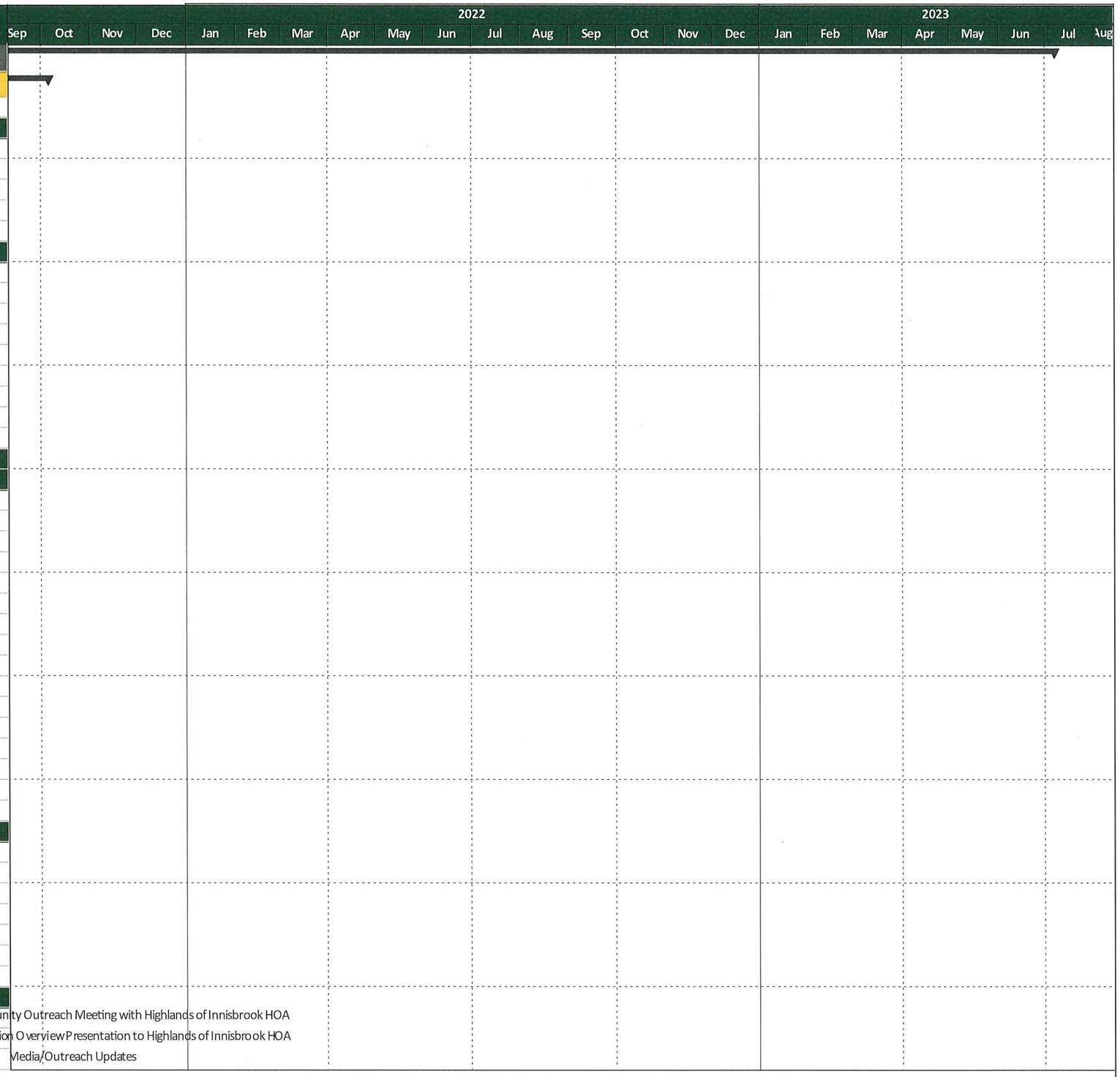
22. Assumes the existing filter media is considered non-hazardous and classified as construction debris.

## MECHANICAL

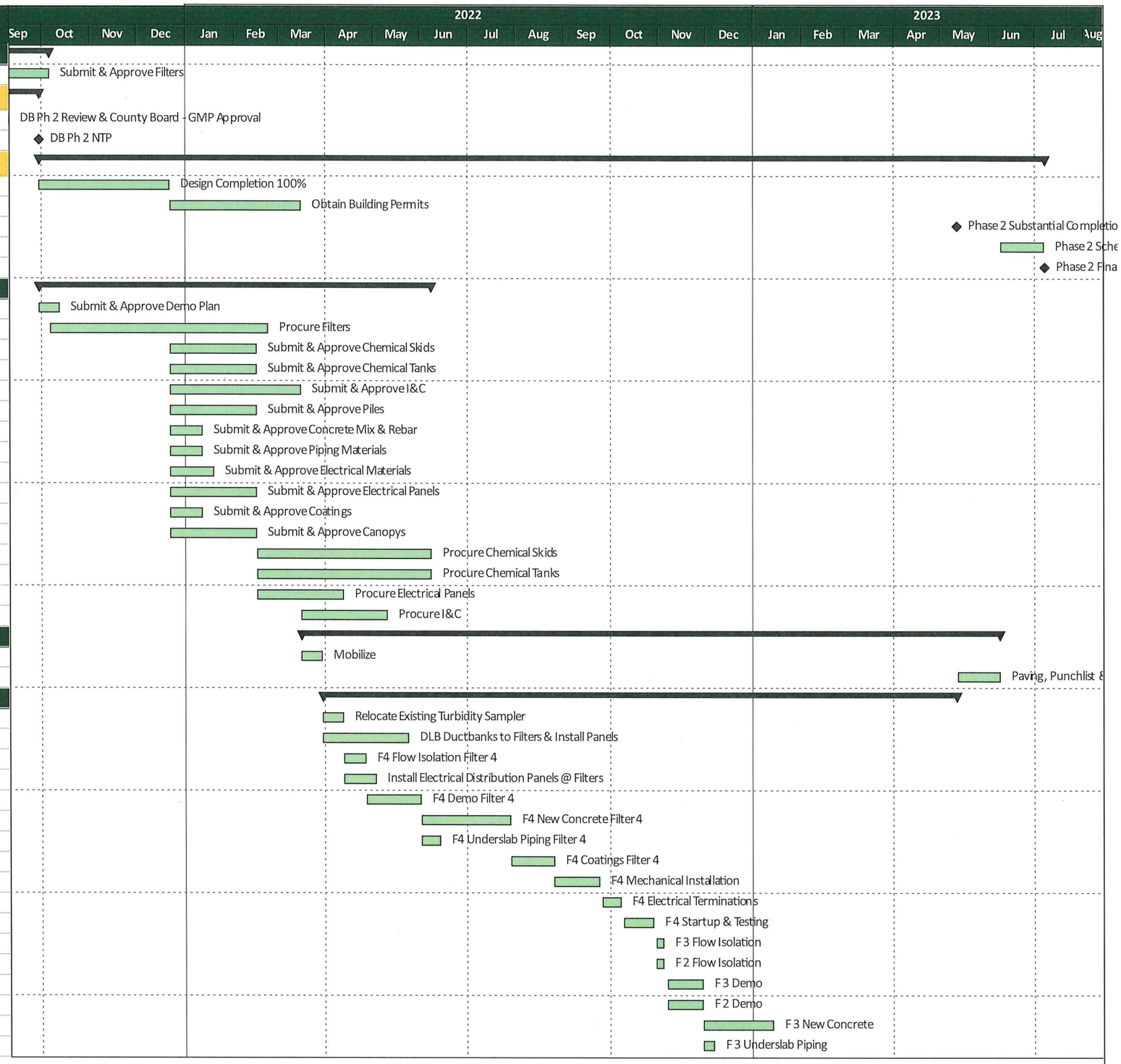
23. Assumes the relocation of the turbidity analyzers from their current location. Sample points to remain at existing location.

24. Assumes that at all the piping tie-in points, the existing conditions of the piping is sound and of condition for operational use. Chlorine feed at the clarifiers is not to be rehabilitated as part of this project.

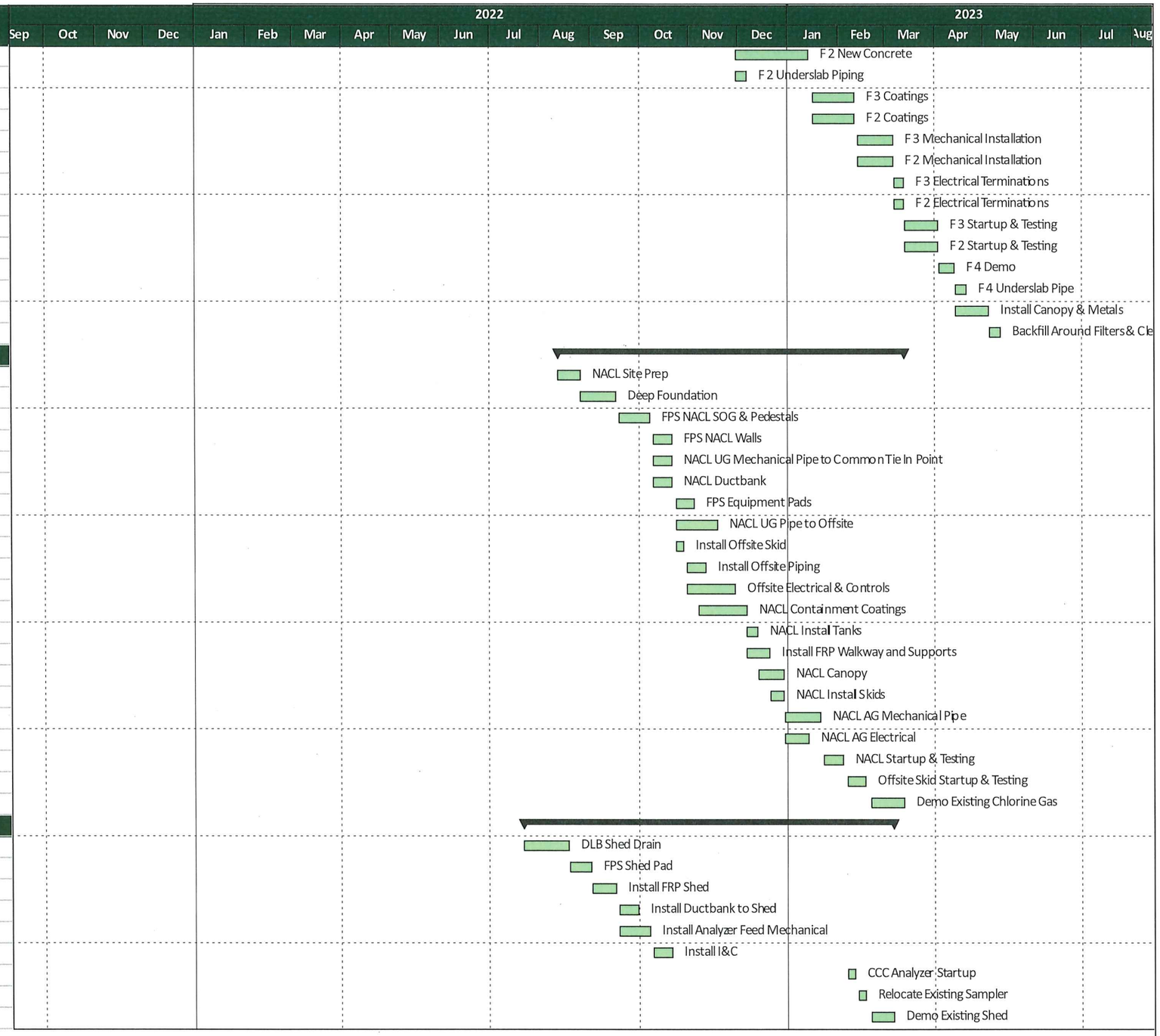
| Activity ID | Activity Name | Original Duration | Remaining Duration | Start | Finish |
|---|---|---|---|---|---|
| **Dunn WRF - Filtration & Disinfection Improvements P** | | 918 | 517 | 20-Aug-19 A | 07-Jul-23 |
| **Phase 1 - Design Schedule** | | 461 | 60 | 20-Aug-19 A | 05-Oct-21 |
| 2000 | Notice to Proceed - Ph 1 (9/3/19) | 0 | 0 | 03-Sep-19 A | |
| **Task 1 - General Tasks - Project Management** | | 166 | 0 | 20-Aug-19 A | 07-Aug-20 A |
| 2140 | T1 - Ph 1 Kick-Off Meeting - Task 1.4 | 1 | 0 | 20-Aug-19 A | 20-Aug-19 A |
| 2110 | T1 - Ph 1 Baseline Schedule Development | 25 | 0 | 03-Sep-19 A | 09-Oct-19 A |
| 2120 | T1 - Develop/establish reporting, site sharing and admin | 7 | 0 | 03-Sep-19 A | 06-Sep-19 A |
| 2130 | T1 - Project review workshops - Task 1.4 | 4 | 0 | 18-Nov-19 A | 07-Aug-20 A |
| 2150 | T1 - Submit Initial Design Trend Log - Task 1.6 | 1 | 0 | 10-Feb-20 A | 10-Feb-20 A |
| **Task 2 - Program Verification** | | 170 | 0 | 03-Sep-19 A | 20-Jan-20 A |
| 2210 | Review/Evaluate Project Criteria - Task 2.2 | 30 | 0 | 03-Sep-19 A | 04-Nov-19 A |
| 2212 | Submit Preliminary Program Verification Technical Mem | 1 | 0 | 05-Nov-19 A | 05-Nov-19 A |
| 2214 | County Review Preliminary Program Verificaiton Techr | 9 | 0 | 06-Nov-19 A | 18-Nov-19 A |
| 2216 | Owner Tech Memo Review Workshop | 1 | 0 | 18-Nov-19 A | 18-Nov-19 A |
| 2226 | Develop Final Program Technical Verification Memo | 4 | 0 | 18-Nov-19 A | 17-Jan-20 A |
| 2230 | Budget Feasibility Study - Task 2.4 | 5 | 0 | 19-Nov-19 A | 17-Dec-19 A |
| 2240 | Submit Program Final Verification Technical Memorandu | 1 | 0 | 20-Jan-20 A | 20-Jan-20 A |
| 2241 | D/B Presentation - Final Program Results/Recommendati | 1 | 0 | 20-Jan-20 A | 20-Jan-20 A |
| 2227 | Submit Preliminary Single Line Project Document Drav | 1 | 0 | 20-Jan-20 A | 20-Jan-20 A |
| **Task 3 - Schematic Design - Eliminated** | | 0 | 0 | | |
| **Task 4 - Design Development Phase** | | 156 | 0 | 23-Sep-19 A | 04-May-20 A |
| 2500 | Survey | 17 | 0 | 23-Sep-19 A | 29-Nov-19 A |
| 2420 | Preliminary Engineering Report - Task 4.3 | 45 | 0 | 19-Nov-19 A | 30-Jan-20 A |
| 2580 | 30% Design Drawings Development | 45 | 0 | 19-Nov-19 A | 20-Jan-20 A |
| 2590 | Technical Specs Development | 45 | 0 | 19-Nov-19 A | 20-Jan-20 A |
| 2600 | Equipment & Instrumentation List Development | 45 | 0 | 19-Nov-19 A | 20-Jan-20 A |
| 2430 | Submittal of Draft of Project Materials and Specifications | 1 | 0 | 20-Jan-20 A | 20-Jan-20 A |
| 2440 | Value Analysis/Engineering - Task 4.5 | 10 | 0 | 20-Jan-20 A | 10-Feb-20 A |
| 2475 | Design Documents - Owner Review (14 Days) - Task 4.5 | 7 | 0 | 20-Jan-20 A | 30-Jan-20 A |
| 2490 | Update Project Schedule - Task4.11 | 1 | 0 | 20-Jan-20 A | 10-Feb-20 A |
| 2640 | Preliminary Engineering Report Submittal | 1 | 0 | 20-Jan-20 A | 20-Jan-20 A |
| 2450 | Design Development Review Workshop - Task 4.6 | 1 | 0 | 30-Jan-20 A | 30-Jan-20 A |
| 2480 | Submit Cost model - Task 4.10 | 9 | 0 | 30-Jan-20 A | 10-Feb-20 A |
| 2460 | Implement Selected VA/E - Task 4.7 | 5 | 0 | 03-Feb-20 A | 17-Feb-20 A |
| 2470 | Submit Design Documents - Task 4.8 | 1 | 0 | 10-Feb-20 A | 10-Feb-20 A |
| 2570 | Geotech Report | 20 | 0 | 10-Feb-20 A | 01-Apr-20 A |
| 2650 | Final PER Development | 9 | 0 | 10-Feb-20 A | 04-May-20 A |
| **Task 5 - Construction Documents** | | 63 | 0 | 10-Feb-20 A | 07-Aug-20 A |
| 2510 | Final Design Development (Drawings - 70%/Specification | 52 | 0 | 10-Feb-20 A | 19-May-20 A |
| 2660 | Submit 70%/90% Documents | 1 | 0 | 19-May-20 A | 19-May-20 A |
| 2670 | Owner Review of 70%/90% Documents | 10 | 0 | 19-May-20 A | 15-Jun-20 A |
| 2550 | Update Project Schedule for Final GMP - Task 5.5 | 10 | 0 | 15-Jun-20 A | 09-Jul-20 A |
| 2540 | Construction Document Certification - Task 5.4 | 4 | 0 | 16-Jun-20 A | 09-Jul-20 A |
| 2560 | Prepare & Submit Final GMP for Ph 2 Construction - Task | 15 | 0 | 16-Jun-20 A | 09-Jul-20 A |
| 2680 | Meet with Owner to Review GMP | 5 | 0 | 09-Jul-20 A | 07-Aug-20 A |
| **Task 6 - Public Relations & Community Outreach** | | 0 | 0 | 14-Jul-21 | 14-Jul-21 |
| 2610 | Initial Community Outreach Meeting with Highlands of I | 0 | 0 | 14-Jul-21 | Initial Community Outreach Meeting with Highlands of Innisbrook HOA |
| 2620 | Preconstruction Overview Presentation to Highlands of I | 0 | 0 | 14-Jul-21 | Preconstruction Overview Presentation to Highlands of Innisbrook HOA |
| 2630 | Ongoing Social Media/Outreach Updates | 0 | 0 | 14-Jul-21 | 14-Jul-21 Media/Outreach Updates |



| Activity ID | Activity Name | Original Duration | Remaining Duration | Start | Finish |
|---|---|---|---|---|---|
| Task 7 - Phase 1 Construction Contingencies | | 60 | 60 | 14-Jul-21 | 05-Oct-21 |
| P 1030 | Submit & Approve Filters | 60 | 60 | 14-Jul-21 | 05-Oct-21 |
| **Owner GMP Review** | | 216 | 55 | 24-Aug-20 A | 29-Sep-21 |
| 3000 | DB Ph 2 Review & County Board - GMP Approval | 40 | 42 | 24-Aug-20 A | 09-Sep-21 |
| 3010 | DB Ph 2 NTP | 0 | 0 | 29-Sep-21 | |
| **Phase 2 - Construction Schedule (Projected)** | | 462 | 462 | 29-Sep-21 | 07-Jul-23 |
| P 1020 | Design Completion 100% | 60 | 60 | 29-Sep-21 | 21-Dec-21 |
| P 1010 | Obtain Building Permits | 60 | 60 | 22-Dec-21 | 15-Mar-22 |
| 3120 | Phase 2 Substantial Completion | 0 | 0 | | 11-May-23 |
| 3140 | Phase 2 Schedule Contingency | 20 | 20 | 09-Jun-23 | 06-Jul-23 |
| 3130 | Phase 2 Final Completion | 0 | 0 | 07-Jul-23 | |
| **Submittals & Procurement** | | 180 | 180 | 29-Sep-21 | 07-Jun-22 |
| P 1120 | Submit & Approve Demo Plan | 10 | 10 | 29-Sep-21 | 12-Oct-21 |
| P 1150 | Procure Filters | 100 | 100 | 06-Oct-21 | 22-Feb-22 |
| P 1040 | Submit & Approve Chemical Skids | 40 | 40 | 22-Dec-21 | 15-Feb-22 |
| P 1050 | Submit & Approve Chemical Tanks | 40 | 40 | 22-Dec-21 | 15-Feb-22 |
| P 1060 | Submit & Approve I&C | 60 | 60 | 22-Dec-21 | 15-Mar-22 |
| P 1070 | Submit & Approve Piles | 40 | 40 | 22-Dec-21 | 15-Feb-22 |
| P 1080 | Submit & Approve Concrete Mix & Rebar | 15 | 15 | 22-Dec-21 | 11-Jan-22 |
| P 1090 | Submit & Approve Piping Materials | 15 | 15 | 22-Dec-21 | 11-Jan-22 |
| P 1100 | Submit & Approve Electrical Materials | 20 | 20 | 22-Dec-21 | 18-Jan-22 |
| P 1110 | Submit & Approve Electrical Panels | 40 | 40 | 22-Dec-21 | 15-Feb-22 |
| P 1130 | Submit & Approve Coatings | 15 | 15 | 22-Dec-21 | 11-Jan-22 |
| P 1140 | Submit & Approve Canopys | 40 | 40 | 22-Dec-21 | 15-Feb-22 |
| P 1160 | Procure Chemical Skids | 80 | 80 | 16-Feb-22 | 07-Jun-22 |
| P 1170 | Procure Chemical Tanks | 80 | 80 | 16-Feb-22 | 07-Jun-22 |
| P 1190 | Procure Electrical Panels | 40 | 40 | 16-Feb-22 | 12-Apr-22 |
| P 1180 | Procure I&C | 40 | 40 | 16-Mar-22 | 10-May-22 |
| **Site** | | 312 | 312 | 16-Mar-22 | 08-Jun-23 |
| A1000 | Mobilize | 10 | 10 | 16-Mar-22 | 29-Mar-22 |
| A1010 | Paving, Punchlist & Cleanup | 19 | 19 | 12-May-23 | 08-Jun-23 |
| **Filtration** | | 283 | 283 | 30-Mar-22 | 11-May-23 |
| F 1000 | Relocate Existing Turbidity Sampler | 10 | 10 | 30-Mar-22 | 12-Apr-22 |
| F 1010 | DLB Ductbanks to Filters & Install Panels | 40 | 40 | 30-Mar-22 | 24-May-22 |
| F 1020 | F4 Flow Isolation Filter 4 | 10 | 10 | 13-Apr-22 | 26-Apr-22 |
| F 1300 | Install Electrical Distribution Panels @ Filters | 15 | 15 | 13-Apr-22 | 03-May-22 |
| F 1030 | F4 Demo Filter 4 | 25 | 25 | 27-Apr-22 | 01-Jun-22 |
| F 1040 | F4 New Concrete Filter 4 | 40 | 40 | 02-Jun-22 | 28-Jul-22 |
| F 1060 | F4 Underslab Piping Filter 4 | 8 | 8 | 02-Jun-22 | 13-Jun-22 |
| F 1050 | F4 Coatings Filter 4 | 20 | 20 | 29-Jul-22 | 25-Aug-22 |
| F 1070 | F4 Mechanical Installation | 20 | 20 | 26-Aug-22 | 23-Sep-22 |
| F 1080 | F4 Electrical Terminations | 10 | 10 | 26-Sep-22 | 07-Oct-22 |
| F 1090 | F 4 Startup & Testing | 15 | 15 | 10-Oct-22 | 28-Oct-22 |
| F 1100 | F 3 Flow Isolation | 5 | 5 | 31-Oct-22 | 04-Nov-22 |
| F 1180 | F 2 Flow Isolation | 5 | 5 | 31-Oct-22 | 04-Nov-22 |
| F 1110 | F 3 Demo | 15 | 15 | 07-Nov-22 | 29-Nov-22 |
| F 1190 | F 2 Demo | 15 | 15 | 07-Nov-22 | 29-Nov-22 |
| F 1120 | F 3 New Concrete | 30 | 30 | 30-Nov-22 | 13-Jan-23 |
| F 1140 | F 3 Underslab Piping | 5 | 5 | 30-Nov-22 | 06-Dec-22 |



| Activity ID | Activity Name | Original Duration | Remaining Duration | Start | Finish |
|---|---|---|---|---|---|
| F 1200 | F 2 New Concrete | 30 | 30 | 30-Nov-22 | 13-Jan-23 |
| F 1220 | F 2 Underslab Piping | 5 | 5 | 30-Nov-22 | 06-Dec-22 |
| F 1130 | F 3 Coatings | 20 | 20 | 16-Jan-23 | 10-Feb-23 |
| F 1210 | F 2 Coatings | 20 | 20 | 16-Jan-23 | 10-Feb-23 |
| F 1150 | F 3 Mechanical Installation | 15 | 15 | 13-Feb-23 | 06-Mar-23 |
| F 1230 | F 2 Mechanical Installation | 15 | 15 | 13-Feb-23 | 06-Mar-23 |
| F 1160 | F 3 Electrical Terminations | 5 | 5 | 07-Mar-23 | 13-Mar-23 |
| F 1240 | F 2 Electrical Terminations | 5 | 5 | 07-Mar-23 | 13-Mar-23 |
| F 1170 | F 3 Startup & Testing | 15 | 15 | 14-Mar-23 | 03-Apr-23 |
| F 1250 | F 2 Startup & Testing | 15 | 15 | 14-Mar-23 | 03-Apr-23 |
| F 1260 | F 4 Demo | 8 | 8 | 04-Apr-23 | 13-Apr-23 |
| F 1270 | F 4 Underslab Pipe | 5 | 5 | 14-Apr-23 | 20-Apr-23 |
| F 1280 | Install Canopy & Metals | 15 | 15 | 14-Apr-23 | 04-May-23 |
| F 1290 | Backfill Around Filters & Cleanup | 5 | 5 | 05-May-23 | 11-May-23 |
| **Sodium Hypo** | | 145 | 145 | 12-Aug-22 | 13-Mar-23 |
| C 1000 | NACL Site Prep | 10 | 10 | 12-Aug-22 | 25-Aug-22 |
| C 1001 | Deep Foundation | 15 | 15 | 26-Aug-22 | 16-Sep-22 |
| C 1010 | FPS NACL SOG & Pedestals | 15 | 15 | 19-Sep-22 | 07-Oct-22 |
| C 1020 | FPS NACL Walls | 10 | 10 | 10-Oct-22 | 21-Oct-22 |
| C 1080 | NACL UG Mechanical Pipe to Common Tie In Point | 10 | 10 | 10-Oct-22 | 21-Oct-22 |
| C 1100 | NACL Ductbank | 10 | 10 | 10-Oct-22 | 21-Oct-22 |
| C 1030 | FPS Equipment Pads | 10 | 10 | 24-Oct-22 | 04-Nov-22 |
| C 1090 | NACL UG Pipe to Offsite | 20 | 20 | 24-Oct-22 | 18-Nov-22 |
| C 1180 | Install Offsite Skid | 5 | 5 | 24-Oct-22 | 28-Oct-22 |
| C 1190 | Install Offsite Piping | 10 | 10 | 31-Oct-22 | 11-Nov-22 |
| C 1200 | Offsite Electrical & Controls | 20 | 20 | 31-Oct-22 | 29-Nov-22 |
| C 1040 | NACL Containment Coatings | 20 | 20 | 07-Nov-22 | 06-Dec-22 |
| C 1060 | NACL Install Tanks | 5 | 5 | 07-Dec-22 | 13-Dec-22 |
| C 1160 | Install FRP Walkway and Supports | 10 | 10 | 07-Dec-22 | 20-Dec-22 |
| C 1170 | NACL Canopy | 10 | 10 | 14-Dec-22 | 29-Dec-22 |
| C 1050 | NACL Install Skids | 5 | 5 | 21-Dec-22 | 29-Dec-22 |
| C 1070 | NACL AG Mechanical Pipe | 15 | 15 | 30-Dec-22 | 20-Jan-23 |
| C 1110 | NACL AG Electrical | 10 | 10 | 30-Dec-22 | 13-Jan-23 |
| C 1140 | NACL Startup & Testing | 10 | 10 | 23-Jan-23 | 03-Feb-23 |
| C 1210 | Offsite Skid Startup & Testing | 10 | 10 | 06-Feb-23 | 17-Feb-23 |
| C 1150 | Demo Existing Chlorine Gas | 15 | 15 | 21-Feb-23 | 13-Mar-23 |
| **CCC** | | 155 | 155 | 22-Jul-22 | 06-Mar-23 |
| CCC 1090 | DLB Shed Drain | 20 | 20 | 22-Jul-22 | 18-Aug-22 |
| CCC 1010 | FPS Shed Pad | 10 | 10 | 19-Aug-22 | 01-Sep-22 |
| CCC 1020 | Install FRP Shed | 10 | 10 | 02-Sep-22 | 16-Sep-22 |
| CCC 1030 | Install Ductbank to Shed | 10 | 10 | 19-Sep-22 | 30-Sep-22 |
| CCC 1040 | Install Analyzer Feed Mechanical | 15 | 15 | 19-Sep-22 | 07-Oct-22 |
| CCC 1050 | Install I&C | 10 | 10 | 10-Oct-22 | 21-Oct-22 |
| CCC 1060 | CCC Analyzer Startup | 5 | 5 | 06-Feb-23 | 10-Feb-23 |
| CCC 1070 | Relocate Existing Sampler | 5 | 5 | 13-Feb-23 | 17-Feb-23 |
| CCC 1080 | Demo Existing Shed | 10 | 10 | 21-Feb-23 | 06-Mar-23 |



PCL CONSTRUCTION

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Pinellas County

W.E. DUNN WRF Filtration and Disinfection Improvements Project

***Contract # 178-0407-NC (SS)***

# Attachment #5 – List of Potential Subcontractors and Major Suppliers

| Description | Subcontractor/Supplier |
|---|---|
| **DIV 01 - General Requirements** | |
| Demolition | PAW Demolition |
| Demolition | ICI Demolition |
| Demolition | Speedy Concrete Cutting |
| Demolition | Maxter Enterprises LLC |
| Demolition | Thunder Demolition |
| **DIV 03 - Concrete** | |
| Concrete Installation | B&M Contracting Services, Inc. |
| Concrete Installation | Matcon Construction Services, Inc. |
| Concrete Installation | Integ-Crete Construction, Inc. |
| **DIV 05 - Metals** | |
| Micellaneious Metals | Bar-Fab of Florida, Inc. |
| Micellaneious Metals | Bearing Point Construction, Inc. |
| Micellaneious Metals | T3 Fabricators |
| **DIV 06 - Wood, Plastics, and Composites** | |
| FRP Platform | Mona Composite |
| FRP Platform | Fibergrate Composite |
| **DIV 09 - Finishes** | |
| Painting and Coatings | Exceletech Coatings Applications, LLC |
| Painting and Coatings | Cypress Coatings |
| Painting and Coatings | Universal Coatings |
| **DIV 13 - Special Construction** | |
| Metal Canopy | Florida Metal Buildings |
| Metal Canopy | Steel Worx Solutions |
| Metal Canopy | Formella Construction |
| Metal Canopy | Caladesi Construction |
| Metal Canopy | Trident Building Systems, LLC |
| **DIV 26 - Electrical** | |
| Electrical | Cogburn Bros, Inc. |
| **DIV 31 - Earthwork** | |
| Drilled Concrete Piers | Keller |
| Deep Foundation Support | Earthtech |
| **DIV 32 - Exterior Improvements** | |
| Asphalt Paving | ACPLM, Inc. |
| Asphalt Paving | John W. Lord and Sons |
| **DIV 40 - Process Integration** | |
| Pipe and Valve Supply | Ferguson Waterworks |
| Pipe and Valve Supply | Core and Main |
| Pipe and Valve Supply | McDade Waterworks |
| Slide Gates | Hydro-Gate |
| Instrumentation | Rocha Controls |
| **DIV 43 - Process Gas and Liquid Handling, Purification, and Storage Equipment** | |
| Chemical Feed Pumps | Jesco |
| Chemical Feed Pumps | TKM |
| Chemical Feed Pumps | Prominent |
| FRP Tanks | Augusta Fiberglass |
| FRP Tanks | Harrington Industrial Products |
| FRP Tanks | Plastanks |
| **DIV 46** | |
| Submersible Mixers | TBD |
| Cloth Media Filters | Aqua Aerobics |

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Pinellas County

**W.E. DUNN WRF Filtration and Disinfection Improvements Project**

**Contract # 178-0407-NC (SS)**

# Attachment #6 – Contingencies and Allowances

1. **Project Permits and Fees: $25,000**
   Allowance for phase II permits and fees.

2. **Landscaping and Irrigation: $15,000**
   Allowance for repair and restore landscaping and irrigation system.

3. **Structural Repairs: $153,000**
   Allowance for structural inspections and repairs for the existing filter basin as per the following:
   a. Concrete Walls & Floor crack repairs: $68,000
   b. Concrete inspections: $25,000
   c. Concrete spalling as described in DCP Appendix A: $60,000

4. **Unforeseen/Unknown Conditions and Undefined Work: $200,000**

5. **General Conditions Extension: $80,000/30 days**
   Allowance for delay damages and schedule extension for additional 30 days of general conditions for unforeseen/unknown conditions and / or Owner delay.

6. **Deep Foundation Support System: $220,000**
   Allowance for the Deep Foundation Support System under Disinfection Building structure.

7. **Chlorine Contact Chamber Mixers: $145,250**
   Allowance to furnish and install (2) new mixers at CCC.

8. **Owner's contingency per Article 2.3: $200,000**

9. **Design Builder Contingency: $450,000**
   Contingency controlled by and for the Design-Builder to cover design and construction progression beyond the 70% design documents.

| **Contingencies and Allowances** | | **$** | **1,488,250** |
|---|---|---|---|
| 1 | PERMITS AND FEES | $ | 25,000 |
| 2 | LANDSCAPING AND IRRIGATION SYSTEM | $ | 15,000 |
| 3 | STRUCTURAL REPAIRS | | 3.a, 3.b, 3.c |
| 3.a | BASIN CONCRETE CRACK REPAIRS | $ | 68,000 |
| 3.b | BASIN CONCRETE INSPECTION | $ | 25,000 |
| 3.c | BASIN CONCRETE SPALLING REPAIRS | $ | 60,000 |
| 4 | UNFORESEEN/UNKNOWN CONDITIONS AND UNDEFINED WORK | $ | 200,000 |
| 5 | GENERAL CONDITIONS EXTENSION | $ | 80,000 |
| 6 | DEEP FOUNDATION SUPPORT SYSTEM | $ | 220,000 |
| 7 | CHLORINE CONTACT CHAMBER MIXERS | $ | 145,250 |

CONSTRUCTION

Engineers...Working Wonders With Water®

W.E. DUNN WRF Filtration and Disinfection Improvements Project

Contract # 178-0407-NC (SS)

# Attachment #6 – Contingencies and Allowances

| | | | |
|---|---|---|---|
| 8 | OWNER'S CONTINGENCY – Article 2.3 | $ | 200,000 |
| 9 | DESIGN BUILDER CONTINGENCY | $ | 450,000 |

Allowance Items:

Design-Builder and Owner will work together to review the Allowance Items and Allowance Values based on design information then available to determine that the Allowance Values constitute reasonable estimates. Design-Builder and Owner will continue working closely together during the preparation of the design to develop Construction Documents consistent with the Allowance Values. Nothing herein is intended in any way to constitute a guarantee by Design-Builder that the Allowance Item in question can be performed for the Allowance Value.

No work shall be performed on any Allowance Item without Design-Builder first obtaining in writing advanced authorization to proceed from Owner.

Whenever the actual price for an Allowance Item is more than or less than the stated Allowance Value, the Contract Price shall be adjusted accordingly by Change Order.

**PCL Construction, Inc.**

**Pinellas County - Professional Design Build Services**
**Dunn Water Reclamation Facility & Disinfection Improvements Project - Contract No. 178-0407-NC(SS)**

All equipment to be billed at the blue book rates per the current version of equipment watch (www.equipmentwatch.com)

*Travel expenses outside the Tampa Bay Metropolitan Statistical Area to be reimbursed in accordance with Florida Statutes.

| ***Description of Management and Staff*** | ***Billable Rate*** |
|---|---|
| ***PCL Construction:*** | |
| Principal In Charge | $ 238.00 /hr |
| DB Manager | $ 192.00 /hr |
| Construction Manager | $ 185.00 /hr |
| Project Manager | $ 162.00 /hr |
| Chief Estimator | $ 182.00 /hr |
| Superintendent | $ 175.00 /hr |
| Commissioning Manager | $ 162.00 /hr |
| Estimator | $ 148.00 /hr |
| Project Engineer | $ 128.00 /hr |
| HSE Supervisor | $ 98.00 /hr |
| Foreman | $ 88.00 /hr |
| Project Administration | $ 65.00 /hr |
| | |
| | |
| ***Carollo Engineers:*** | |
| Principal Engineer | $ 265.00 /hr |
| Senior Engineer | $ 240.00 /hr |
| Project Professional | $ 205.00 /hr |
| Engineer | $ 135.00 /hr |
| Senior CADD Designer | $ 135.00 /hr |
| CADD Designer | $ 120.00 /hr |
| Sr. Administrative Assistant | $ 110.00 /hr |
| Clerk/Administrative | $ 80.00 /hr |
| | |
| | |
| ***Cogburn:*** | |
| Project Manager | $ 150.00 /hr |
| Electrician | $ 135.00 /hr |
| Estimator | $ 125.00 /hr |
| | |

| | | |
|---|---|---|
| ***Rocha Controls:*** | | |
| HMI/PLC Programmer | $ | 145.00 /hr |
| Consulting/Design Engineer | $ | 130.00 /hr |
| Design Engineer | $ | 110.00 /hr |
| Field Service Technician | $ | 110.00 /hr |
| Panel Builder | $ | 65.00 /hr |
| | | |
| ***Hyatt Survey:*** | | |
| Senior Professional Surveyor and Mapper or Project Manager | $ | 165.00 /hr |
| Professional Surveyor and Mapper | $ | 135.00 /hr |
| Senior CADD Technician | $ | 115.00 /hr |
| CADD Technician | $ | 95.00 /hr |
| | | |
| ***Dialogue:*** | | |
| Principal/ Senior Public Relations Counselor | $ | 215.00 /hr |
| Public Relations Specialist | $ | 160.00 /hr |
| Graphic Design Subconsultant | $ | 120.00 /hr |
| Web Programming Subconsultant | $ | 120.00 /hr |
| PR Coordinator/Administrative Support | $ | 60.00 /hr |
| | | |
| ***MC$^2$ Engineers:*** | | |
| Project Manager | $ | 171.00 /hr |
| Chief Engineer | $ | 195.00 /hr |
| Senior Engineer | $ | 158.00 /hr |
| Project Engineer | $ | 125.60 /hr |
| Engineer | $ | 113.60 /hr |
| Geologist | $ | 85.00 /hr |
| Sr. Technician | $ | 73.80 /hr |
| Technician | $ | 61.20 /hr |
| CADD Technician | $ | 77.90 /hr |
| Clerical | $ | 59.50 /hr |