

Solicitation PNC2122386B1

Sewer Lift Station Rehabilitation and Repair

Bid Designation: Public



Broward County Board of County Commissioners

Bid PNC2122386B1

Sewer Lift Station Rehabilitation and Repair

Bid Number PNC2122386B1

Bid Title Sewer Lift Station Rehabilitation and Repair

Bid Start Date Mar 22, 2021 1:21:27 PM EDT

Bid End Date Apr 7, 2021 2:00:00 PM EDT

Question & Answer End Date Mar 31, 2021 5:00:00 PM EDT

Bid Contact Nancy Olesen
Purchasing
954-357-7995
nolesen@broward.org

Contract Duration 3 years

Contract Renewal 2 annual renewals

Prices Good for 120 days

Bid Comments BidSync is now known as Periscope S2G, Supplier-To-Government for vendors. Any reference to BidSync in this solicitation shall refer to Periscope S2G, Supplier-To-Government.

Scope of Work: The purpose of this contract is to provide sewer lift station rehabilitation and repair services and appurtenances for Water and Wastewater Services and various other County agencies in need of these services. Work to be performed shall include all labor, materials, equipment, tools and incidentals to perform all tasks associated with the rehabilitation and/or repair of a sewer lift station. Services include but are not limited to, by-pass pumping, wet well repair and restoration, replacement of top slabs, hatches, pumps, pipes, valves, control panels, electrical services, connection panels, underground vaults, excavating and backfilling, and disposing of surplus material and restoration.

Basis of Award: It is the County's intent to award this contract to the lowest responsive responsible bidder on total bid price for all Groups. Bidders must bid on all line items within each group to be considered for award. Failure to bid on all line items in each group for total bid price may result in rejection of bid.

Goal Participation: This solicitation includes participation goals for Broward County certified County Business Enterprises. Refer to Special Instructions and the Office of Economic and Small Business Development Requirements section for additional information.

Workforce One Investment Program applies to this contract. Refer to Workforce Investment Program Requirements section for additional information.

County/State License Requirements: In order to be considered a responsive and responsible Vendor for the scope of work set forth in this solicitation, the Vendor must possess a specified license at the time of submittal (refer to Special Instructions for requirements).

Bid Guaranty: Each submittal shall be accompanied by a bid guaranty in an amount equal to five percent (5%) of the bid amount (refer to Bid Guaranty, Performance and Payment Guaranties, and Qualifications of Surety Requirements).

Bid Allowance Amounts: The solicitation includes pass-thru allowances. It is not necessary to add your allowance amounts into your bid prices. Periscope S2G will automatically add the allowance amounts indicated to your bid total and will be reflected on final bid tabulation.

Questions and Answers: The County provides a specified time for Vendors to ask questions and seek clarification regarding the requirements of the solicitation. All questions or clarification inquiries must be submitted through BidSync by the date and time referenced in the solicitation document (including any addenda). The County will respond to all questions via BidSync.

Vendor MUST submit its solicitation response electronically and MUST confirm its submittal in order for the County to receive a valid response through BidSync. Refer to the Purchasing Division website or contact BidSync for submittal instructions. It is the Vendor's sole responsibility to assure its response is submitted and received through BidSync by the date and time specified in the solicitation. The County will not consider solicitation responses received by other means. Vendors are encouraged to submit their responses in advance of the due date and time specified in the solicitation document. In the event that the Vendor is having difficulty submitting the solicitation document through BidSync, immediately notify the Purchasing Agent and then contact BidSync for technical assistance.

Added on Mar 24, 2021:

To all prospective bidders, please note the following changes:

1. The General Conditions have been updated and replaced in its entirety. Changes were made to the following section: C. TERMS AND CONDITIONS OF CONTRACT, Paragraphs 17, 18, 19 and 34.

Addendum # 1

New Documents **General Conditions**

Removed Documents **General Conditions**

Item Response Form

Item **PNC2122386B1--01-01 - Group 1: Mobilization for Routine Work Order under \$5,000.00**

Lot Description **Group 1**

Quantity **15 each**

Unit Price

Delivery Location **Broward County Board of County Commissioners**

Refer to Specifications and Requirements

 N/A

 N/A FL 33301

Qty 15

Description
Mobilization for Routine Work Order under \$5,000.00

Item **PNC2122386B1--01-02 - Group 1: Mobilization for Routine Work Order from \$5,000.01 to \$25,000.00**

Lot Description **Group 1**

Quantity **15 each**

Unit Price

Delivery Location **Broward County Board of County Commissioners**

Refer to Specifications and Requirements

 N/A

N/A FL 33301

Qty 15

Description

Mobilization for Routine Work Order from \$5,000.01 to \$25,000.00

Item **PNC2122386B1--01-03 - Group 1: Mobilization for Routine Work Order over \$25,000.01**

Lot Description **Group 1**

Quantity **35 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 35

Description

Mobilization for Routine Work Order over \$25,000.01

Item **PNC2122386B1--01-04 - Group 1: Mobilization for Urgent Work Order under \$5,000.00**

Lot Description **Group 1**

Quantity **8 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 8

Description

Mobilization for Urgent Work Order under \$5,000.00

Item **PNC2122386B1--01-05 - Group 1: Mobilization for Urgent Work Order from \$5,000.01 to \$25,000.00**

Lot Description **Group 1**

Quantity **8 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 8

Description

Mobilization for Urgent Work Order from \$5,000.01 to \$25,000.00

Item **PNC2122386B1--01-06 - Group 1: Mobilization for Urgent Work Order over \$25,000.01**

Lot Description **Group 1**

Quantity **8 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 8

Description
Mobilization for Urgent Work Order over \$25,000.01

Item **PNC2122386B1--01-07 - Group 1: Provide Foreperson**
Lot Description **Group 1**
Quantity **1200 hour**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 1200

Description
Provide Foreperson

Item **PNC2122386B1--01-08 - Group 1: Provide Laborer / Crewperson**
Lot Description **Group 1**
Quantity **1500 hour**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 1500

Description
Provide Laborer / Crewperson

Item **PNC2122386B1--01-09 - Group 1: Furnish Combination Cleaner Truck**
Lot Description **Group 1**
Quantity **300 hour**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 300

Description

Furnish Combination Cleaner Truck

Item **PNC2122386B1--01-10 - Group 1: Provide Backhoe**
Lot Description **Group 1**
Quantity **100 day**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 100

Description

Provide Backhoe

Item **PNC2122386B1--01-11 - Group 1: Project Planning Cost (When no work order is issued)**
Lot Description **Group 1**
Quantity **12 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 12

Description

Project Planning Cost (When no work order is issued)

Item **PNC2122386B1--02-01 - Group 2: Demolish Slab on Grade, < 8 inches thick**
Lot Description **Group 2**
Quantity **3000 square foot**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 3000

Description

Demolish Slab on Grade, < 8 inches thick

Item **PNC2122386B1--02-02 - Group 2: Demolish Slab over Wet Well or Vault > 8 inches to 12 inches thick**
Lot Description **Group 2**
Quantity **3200 square foot**
Unit Price

Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 3200

Description
Demolish Slab over Wet Well or Vault > 8 inches to 12 inches thick

Item **PNC2122386B1--02-03 - Group 2: Demolish and Remove Asphalt Paving**
Lot Description **Group 2**
Quantity **6000 square foot**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 6000

Description
Demolish and Remove Asphalt Paving

Item **PNC2122386B1--02-04 - Group 2: Demolish Valve Vault and Top Slab**
Lot Description **Group 2**
Quantity **35 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 35

Description
Demolish Valve Vault and Top Slab

Item **PNC2122386B1--02-05 - Group 2: Remove existing Iron Piping and Fittings in Wet Wells or Vaults**
Lot Description **Group 2**
Quantity **57 ton**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 57

Description
Remove existing Iron Piping and Fittings in Wet Wells or Vaults

Item **PNC2122386B1--02-06 - Group 2: Remove existing Iron Piping and Fittings below Grade**
Lot Description **Group 2**
Quantity **30 ton**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 30

Description
Remove existing Iron Piping and Fittings below Grade

Item **PNC2122386B1--02-07 - Group 2: Remove existing Valves (12 inches and under) below Grade**
Lot Description **Group 2**
Quantity **30 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 30

Description
Remove existing Valves (12 inches and under) below Grade

Item **PNC2122386B1--02-08 - Group 2: Remove existing Valves (12 inches and under) in Wet Wells or Vaults**
Lot Description **Group 2**
Quantity **195 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 195

Description
Remove existing Valves (12 inches and under) in Wet Wells or Vaults

Item **PNC2122386B1--02-09 - Group 2: Remove existing Pump Base Elbows and Rails**
Lot Description **Group 2**
Quantity **78 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**

Commissioners

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 78

Description

Remove existing Pump Base Elbows and Rails

Item **PNC2122386B1--02-10 - Group 2: Remove existing PVC Piping and Fittings in Wet Wells or Vaults**

Lot Description **Group 2**

Quantity **3000 pound**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 3000

Description

Remove existing PVC Piping and Fittings in Wet Wells or Vaults

Item **PNC2122386B1--02-11 - Group 2: Remove existing Chain Link Fence**

Lot Description **Group 2**

Quantity **800 linear foot**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 800

Description

Remove existing Chain Link Fence

Item **PNC2122386B1--02-12 - Group 2: Plug and Prepare Abandoned Pipe for Grout Filling**

Lot Description **Group 2**

Quantity **30 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 30

Description

Plug and Prepare Abandoned Pipe for Grout Filling

Item **PNC2122386B1--02-13 - Group 2: Grout Fill Abandoned Pipe**
Lot Description **Group 2**
Quantity **600 cubic yard**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 600

Description
Grout Fill Abandoned Pipe

Item **PNC2122386B1--02-14 - Group 2: Demolish Wet Well (6 foot or 8 foot diameter)**
Lot Description **Group 2**
Quantity **90 vertical linear feet**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 90

Description
Demolish Wet Well (6 foot or 8 foot diameter)

Item **PNC2122386B1--02-15 - Group 2: Fill in Abandoned Wet Well or Valve Vault**
Lot Description **Group 2**
Quantity **90 cubic yard**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 90

Description
Fill in Abandoned Wet Well or Valve Vault

Item **PNC2122386B1--02-16 - Group 2: Remove Fillet from Bottom of Wet Well**
Lot Description **Group 2**
Quantity **300 cubic foot**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 300

Description

Remove Fillet from Bottom of Wet Well

Item **PNC2122386B1--03-01 - Group 3: F&I Temporary By-pass Pumps and Piping (up to 50,000 gpd)**

Lot Description **Group 3**

Quantity **350 day**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 350

Description

F&I Temporary By-pass Pumps and Piping (up to 50,000 gpd)

Item **PNC2122386B1--03-02 - Group 3: F&I Temporary By-pass Pumps and Piping (50,001 gpd to 250,000 gpd)**

Lot Description **Group 3**

Quantity **270 day**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 270

Description

F&I Temporary By-pass Pumps and Piping (50,001 gpd to 250,000 gpd)

Item **PNC2122386B1--03-03 - Group 3: F&I Temporary By-pass Pumps and Piping (250,001 to 1.0 mgd)**

Lot Description **Group 3**

Quantity **360 day**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 360

Description

F&I Temporary By-pass Pumps and Piping (250,001 to 1.0 mgd)

Item **PNC2122386B1--03-04 - Group 3: F&I Temporary By-pass Pumps and Piping (over 1.0 mgd)**

Lot Description **Group 3**
 Quantity **100 day**
 Unit Price
 Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
 N/A
 N/A FL 33301
Qty 100

Description
 F&I Temporary By-pass Pumps and Piping (over 1.0 mgd)

Item **PNC2122386B1--03-05 - Group 3: Operate and Maintain Temporary By-pass System (up to 50,000 gpd)**
 Lot Description **Group 3**
 Quantity **350 day**
 Unit Price
 Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
 N/A
 N/A FL 33301
Qty 350

Description
 Operate and Maintain Temporary By-pass System (up to 50,000 gpd)

Item **PNC2122386B1--03-06 - Group 3: Operate and Maintain Temporary By-pass System (50,001 gpd to 250,000 gpd)**
 Lot Description **Group 3**
 Quantity **270 day**
 Unit Price
 Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
 N/A
 N/A FL 33301
Qty 270

Description
 Operate and Maintain Temporary By-pass System (50,001 gpd to 250,000 gpd)

Item **PNC2122386B1--03-07 - Group 3: Operate and Maintain Temporary By-pass System (250,001 gpd to 1.0 mgd)**
 Lot Description **Group 3**
 Quantity **360 day**
 Unit Price
 Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 360

Description

Operate and Maintain Temporary By-pass System (250,001 gpd to 1.0 mgd)

Item **PNC2122386B1--03-08 - Group 3: Operate and Maintain Temporary By-pass System (over 1.0 mgd)**

Lot Description **Group 3**

Quantity **100 day**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 100

Description

Operate and Maintain Temporary By-pass System (over 1.0 mgd)

Item **PNC2122386B1--03-09 - Group 3: Exploratory Excavation**

Lot Description **Group 3**

Quantity **30 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 30

Description

Exploratory Excavation

Item **PNC2122386B1--03-10 - Group 3: Non-Exploratory Excavation**

Lot Description **Group 3**

Quantity **15 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 15

Description

Non-Exploratory Excavation

Item **PNC2122386B1--03-11 - Group 3: F&I Temporary Line Stop (4 inches to 6 inches)**

Lot Description **Group 3**
Quantity **12 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 12

Description
F&I Temporary Line Stop (4 inches to 6 inches)

Item **PNC2122386B1-03-12 - Group 3: F&I Temporary Line Stop (8 inches to 12 inches)**
Lot Description **Group 3**
Quantity **8 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 8

Description
F&I Temporary Line Stop (8 inches to 12 inches)

Item **PNC2122386B1-03-13 - Group 3: F&I Temporary Line Stop (14 inches to 24 inches)**
Lot Description **Group 3**
Quantity **5 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 5

Description
F&I Temporary Line Stop (14 inches to 24 inches)

Item **PNC2122386B1-03-14 - Group 3: 8 inch Lime Rock Base Course including Sub-base Preparation**
Lot Description **Group 3**
Quantity **210 cubic yard**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A

N/A FL 33301

Qty 210

Description

8 inch Lime Rock Base Course including Sub-base Preparation

Item **PNC2122386B1--03-15 - Group 3: 12 inch Lime Rock Base Course including Sub-base Preparation**

Lot Description **Group 3**

Quantity **210 cubic yard**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 210

Description

12 inch Lime Rock Base Course including Sub-base Preparation

Item **PNC2122386B1--03-16 - Group 3: Saw Cut Asphalt Paving**

Lot Description **Group 3**

Quantity **1900 linear foot**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 1900

Description

Saw Cut Asphalt Paving

Item **PNC2122386B1--03-17 - Group 3: 1 inch Asphalt Concrete Pavement**

Lot Description **Group 3**

Quantity **1900 square yard**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 1900

Description

1 inch Asphalt Concrete Pavement

Item **PNC2122386B1--03-18 - Group 3: 2 inch Asphalt Concrete Pavement**

Lot Description **Group 3**

Quantity **900 square yard**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 900

Description
2 inch Asphalt Concrete Pavement

Item **PNC2122386B1--03-19 - Group 3: F&I 3/4 inch Washed Rock over Weed Barrier**
Lot Description **Group 3**
Quantity **600 square yard**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 600

Description
F&I 3/4 inch Washed Rock over Weed Barrier

Item **PNC2122386B1--03-20 - Group 3: F&I Seed and Mulch**
Lot Description **Group 3**
Quantity **150 square yard**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 150

Description
F&I Seed and Mulch

Item **PNC2122386B1--03-21 - Group 3: F&I Bahia Sod**
Lot Description **Group 3**
Quantity **1800 square yard**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 1800

Description
F&I Bahia Sod

Item **PNC2122386B1--03-22 - Group 3: F&I Floratam Sod**
Lot Description **Group 3**
Quantity **1500 square yard**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 1500

Description
F&I Floratam Sod

Item **PNC2122386B1--03-23 - Group 3: F&I Pipe Bollards**
Lot Description **Group 3**
Quantity **110 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 110

Description
F&I Pipe Bollards

Item **PNC2122386B1--03-24 - Group 3: Relocate Existing Chain Link Fence**
Lot Description **Group 3**
Quantity **600 linear foot**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 600

Description
Relocate Existing Chain Link Fence

Item **PNC2122386B1--03-25 - Group 3: F&I New 6-foot Chain Link Fence**
Lot Description **Group 3**
Quantity **1750 linear foot**
Unit Price

Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 1750

Description
F&I New 6-foot Chain Link Fence

Item **PNC2122386B1--03-26 - Group 3: F&I 12-foot Chain Link Swing Gate**
Lot Description **Group 3**
Quantity **30 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 30

Description
F&I 12-foot Chain Link Swing Gate

Item **PNC2122386B1--03-27 - Group 3: F&I 10-foot Chain Link Roller Gate**
Lot Description **Group 3**
Quantity **3 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 3

Description
F&I 10-foot Chain Link Roller Gate

Item **PNC2122386B1--03-28 - Group 3: F&I 12-foot Chain Link Roller Gate**
Lot Description **Group 3**
Quantity **3 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 3

Description
F&I 12-foot Chain Link Roller Gate

Item **PNC2122386B1--03-29 - Group 3: Produce and Submit As Built-Drawings**
Lot Description **Group 3**
Quantity **35 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 35

Description
Produce and Submit As Built-Drawings

Item **PNC2122386B1--04-01 - Group 4: Saw Cut Concrete up to 12 inches thick**
Lot Description **Group 4**
Quantity **540 linear foot**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 540

Description
Saw Cut Concrete up to 12 inches thick

Item **PNC2122386B1--04-02 - Group 4: Saw Cut Concrete > 12 inches to 24 inches thick**
Lot Description **Group 4**
Quantity **90 linear foot**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 90

Description
Saw Cut Concrete > 12 inches to 24 inches thick

Item **PNC2122386B1--04-03 - Group 4: Core Hole in Concrete up to 12 inches thick (less than 6 inch diameter)**
Lot Description **Group 4**
Quantity **60 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**

Commissioners

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 60

Description

Core Hole in Concrete up to 12 inches thick (less than 6 inch diameter)

Item **PNC2122386B1-04-04 - Group 4: Core Hole in Concrete up to 12 inches thick (6 inch to 12 inch diameter)**

Lot Description **Group 4**

Quantity **90 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 90

Description

Core Hole in Concrete up to 12 inches thick (6 inch to 12 inch diameter)

Item **PNC2122386B1-04-05 - Group 4: Core Hole in Concrete up to 12 inches thick (over 12 inch diameter)**

Lot Description **Group 4**

Quantity **15 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 15

Description

Core Hole in Concrete up to 12 inches thick (over 12 inch diameter)

Item **PNC2122386B1-04-06 - Group 4: F&I Precast Wet Well Structure (6 foot diameter)**

Lot Description **Group 4**

Quantity **175 vertical linear feet**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 175

Description

F&I Precast Wet Well Structure (6 foot diameter)

Item **PNC2122386B1--04-07 - Group 4: F&I Precast Wet Well Structure (8 foot diameter)**
Lot Description **Group 4**
Quantity **120 vertical linear feet**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 120

Description

F&I Precast Wet Well Structure (8 foot diameter)

Item **PNC2122386B1--04-08 - Group 4: F&I Precast Wet Well Structure (10 foot diameter)**
Lot Description **Group 4**
Quantity **70 vertical linear feet**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 70

Description

F&I Precast Wet Well Structure (10 foot diameter)

Item **PNC2122386B1--04-09 - Group 4: F&I Precast Wet Well Structure (12 foot diameter)**
Lot Description **Group 4**
Quantity **80 vertical linear feet**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 80

Description

F&I Precast Wet Well Structure (12 foot diameter)

Item **PNC2122386B1--04-10 - Group 4: F&I Wet Well Precast Top Slab with 3 foot x 4 foot Hatch (6 foot diameter)**
Lot Description **Group 4**
Quantity **24 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 24

Description

F&I Wet Well Precast Top Slab with 3 foot x 4 foot Hatch (6 foot diameter)

Item **PNC2122386B1--04-11 - Group 4: F&I Wet Well Precast Top Slab with 3.5 foot x 5 foot Hatch (8 foot diameter)**

Lot Description **Group 4**

Quantity **12 each**

Unit Price

Delivery Location **Broward County Board of County Commissioners**

[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 12

Description

F&I Wet Well Precast Top Slab with 3.5 foot x 5 foot Hatch (8 foot diameter)

Item **PNC2122386B1--04-12 - Group 4: F&I Wet Well Precast Top Slab with 4 foot x 6 foot Hatch (10 foot diameter)**

Lot Description **Group 4**

Quantity **6 each**

Unit Price

Delivery Location **Broward County Board of County Commissioners**

[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 6

Description

F&I Wet Well Precast Top Slab with 4 foot x 6 foot Hatch (10 foot diameter)

Item **PNC2122386B1--04-13 - Group 4: F&I Wet Well Precast Top Slab with 4 foot x 6 foot Hatch (12 foot diameter)**

Lot Description **Group 4**

Quantity **3 each**

Unit Price

Delivery Location **Broward County Board of County Commissioners**

[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 3

Description

F&I Wet Well Precast Top Slab with 4 foot x 6 foot Hatch (12 foot diameter)

Item **PNC2122386B1--04-14 - Group 4: F&I Retrofit Hatch (TPD - 300 psf) 47 inch x 47 inch**
Lot Description **Group 4**
Quantity **9 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 9

Description
F&I Retrofit Hatch (TPD - 300 psf) 47 inch x 47 inch

Item **PNC2122386B1--04-15 - Group 4: F&I Retrofit Hatch (TPD - 300 psf) 47 inch x 53 inch**
Lot Description **Group 4**
Quantity **9 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 9

Description
F&I Retrofit Hatch (TPD - 300 psf) 47 inch x 53 inch

Item **PNC2122386B1--04-16 - Group 4: F&I Retrofit Hatch (TPD - 300 psf) 47 inch x 71 inch**
Lot Description **Group 4**
Quantity **5 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 5

Description
F&I Retrofit Hatch (TPD - 300 psf) 47 inch x 71 inch

Item **PNC2122386B1--04-17 - Group 4: F&I Retrofit Hatch (TPD - 300 psf) 59 inch x 59 inch**
Lot Description **Group 4**
Quantity **5 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**

Commissioners

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 5

Description

F&I Retrofit Hatch (TPD - 300 psf) 59 inch x 59 inch

Item **PNC2122386B1-04-18 - Group 4: F&I Wet Well Fillet**

Lot Description **Group 4**

Quantity **240 cubic foot**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 240

Description

F&I Wet Well Fillet

Item **PNC2122386B1-04-19 - Group 4: F&I 4.5 foot x 7.0 foot Precast Meter Vault**

Lot Description **Group 4**

Quantity **15 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 15

Description

F&I 4.5 foot x 7.0 foot Precast Meter Vault

Item **PNC2122386B1-04-20 - Group 4: F&I 5.5 foot x 8.0 foot Precast Meter Vault**

Lot Description **Group 4**

Quantity **5 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 5

Description

F&I 5.5 foot x 8.0 foot Precast Meter Vault

Item **PNC2122386B1--04-21 - Group 4: F&I 6.5 foot x 9.0 foot Precast Meter Vault**
Lot Description **Group 4**
Quantity **5 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 5

Description
F&I 6.5 foot x 9.0 foot Precast Meter Vault

Item **PNC2122386B1--04-22 - Group 4: F&I 5.0 foot x 5.0 foot Precast Meter Vault**
Lot Description **Group 4**
Quantity **30 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 30

Description
F&I 5.0 foot x 5.0 foot Precast Meter Vault

Item **PNC2122386B1--04-23 - Group 4: F&I 6.0 foot x 6.0 foot Precast Meter Vault**
Lot Description **Group 4**
Quantity **24 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 24

Description
F&I 6.0 foot x 6.0 foot Precast Meter Vault

Item **PNC2122386B1--04-24 - Group 4: Wet Well and Manhole Interior Surface Preparation**
Lot Description **Group 4**
Quantity **21000 square foot**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 21000

Description

Wet Well and Manhole Interior Surface Preparation

Item **PNC2122386B1--04-25 - Group 4: F&I Wet Well and Manhole Cementitious Coating - Brick Structures**

Lot Description **Group 4**

Quantity **2300 square foot**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 2300

Description

F&I Wet Well and Manhole Cementitious Coating - Brick Structures

Item **PNC2122386B1--04-26 - Group 4: F&I Wet Well and Manhole Cementitious Coating - Precast Structures**

Lot Description **Group 4**

Quantity **5000 square foot**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 5000

Description

F&I Wet Well and Manhole Cementitious Coating - Precast Structures

Item **PNC2122386B1--04-27 - Group 4: F&I Bitumastic Coating**

Lot Description **Group 4**

Quantity **6750 square foot**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 6750

Description

F&I Bitumastic Coating

Item **PNC2122386B1--04-28 - Group 4: F&I Wet Well and Manhole Level II Coating**

Lot Description **Group 4**
Quantity **14000 square foot**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 14000

Description
F&I Wet Well and Manhole Level II Coating

Item **PNC2122386B1-04-29 - Group 4: F&I Wet Well and Manhole Level III Coating**
Lot Description **Group 4**
Quantity **14000 square foot**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 14000

Description
F&I Wet Well and Manhole Level III Coating

Item **PNC2122386B1-04-30 - Group 4: F&I Injected Chemical Grout in Concrete Structures**
Lot Description **Group 4**
Quantity **1500 gallon**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 1500

Description
F&I Injected Chemical Grout in Concrete Structures

Item **PNC2122386B1-04-31 - Group 4: F&I Meter Vault Ladder**
Lot Description **Group 4**
Quantity **4 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A

N/A FL 33301

Qty 4

Description

F&I Meter Vault Ladder

Item **PNC2122386B1-04-32 - Group 4: F&I Precast Manhole, 4 foot diameter, 6 feet to 10 feet deep**

Lot Description **Group 4**

Quantity **5 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 5

Description

F&I Precast Manhole, 4 foot diameter, 6 feet to 10 feet deep

Item **PNC2122386B1-04-33 - Group 4: F&I Precast Manhole, 4 foot diameter, 10 feet to 14 feet deep**

Lot Description **Group 4**

Quantity **5 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 5

Description

F&I Precast Manhole, 4 foot diameter, 10 feet to 14 feet deep

Item **PNC2122386B1-04-34 - Group 4: F&I Precast Manhole, 4 foot diameter, 14 feet to 18 feet deep**

Lot Description **Group 4**

Quantity **5 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 5

Description

F&I Precast Manhole, 4 foot diameter, 14 feet to 18 feet deep

Item **PNC2122386B1-04-35 - Group 4: F&I Precast Manhole, 4 foot diameter, over 18 feet deep**

Lot Description **Group 4**

Quantity **5 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 5

Description
F&I Precast Manhole, 4 foot diameter, over 18 feet deep

Item **PNC2122386B1-04-36 - Group 4: F&I Reinforced Concrete Slab on Grade (up to 12 inches thick)**
Lot Description **Group 4**
Quantity **300 cubic yard**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 300

Description
F&I Reinforced Concrete Slab on Grade (up to 12 inches thick)

Item **PNC2122386B1-04-37 - Group 4: F&I Reinforced Formed Concrete**
Lot Description **Group 4**
Quantity **500 cubic yard**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 500

Description
F&I Reinforced Formed Concrete

Item **PNC2122386B1-04-38 - Group 4: F&I Miscellaneous Unreinforced Formed Concrete**
Lot Description **Group 4**
Quantity **500 cubic yard**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 500

Description

F&I Miscellaneous Unreinforced Formed Concrete

Item **PNC2122386B1--04-39 - Group 4: F&I Tremie Concrete**

Lot Description **Group 4**

Quantity **60 cubic yard**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 60

Description

F&I Tremie Concrete

Item **PNC2122386B1--04-40 - Group 4: Form and Pour Concrete Sidewalk (6 inch thick unreinforced)**

Lot Description **Group 4**

Quantity **900 square yard**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 900

Description

Form and Pour Concrete Sidewalk (6 inch thick unreinforced)

Item **PNC2122386B1--04-41 - Group 4: F&I Flowable Fill**

Lot Description **Group 4**

Quantity **80 cubic yard**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 80

Description

F&I Flowable Fill

Item **PNC2122386B1--04-42 - Group 4: Furnish Concrete Pump and Operator**

Lot Description **Group 4**

Quantity **150 hour**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**
Refer to Specifications and Requirements
 N/A
 N/A FL 33301
Qty 150

Description
 Furnish Concrete Pump and Operator

Item **PNC2122386B1--05-01 - Group 5: F&I 4 inch FLG Plug Valve with Stainless Steel Accessories**
 Lot Description **Group 5**
 Quantity **75 each**
 Unit Price
 Delivery Location **Broward County Board of County
Commissioners**
Refer to Specifications and Requirements
 N/A
 N/A FL 33301
Qty 75

Description
 F&I 4 inch FLG Plug Valve with Stainless Steel Accessories

Item **PNC2122386B1--05-02 - Group 5: F&I 6 inch FLG Plug Valve with Stainless Steel Accessories**
 Lot Description **Group 5**
 Quantity **30 each**
 Unit Price
 Delivery Location **Broward County Board of County
Commissioners**
Refer to Specifications and Requirements
 N/A
 N/A FL 33301
Qty 30

Description
 F&I 6 inch FLG Plug Valve with Stainless Steel Accessories

Item **PNC2122386B1--05-03 - Group 5: F&I 8 inch FLG Plug Valve with Stainless Steel Accessories**
 Lot Description **Group 5**
 Quantity **20 each**
 Unit Price
 Delivery Location **Broward County Board of County
Commissioners**
Refer to Specifications and Requirements
 N/A
 N/A FL 33301
Qty 20

Description
 F&I 8 inch FLG Plug Valve with Stainless Steel Accessories

Item **PNC2122386B1--05-04 - Group 5: F&I 10 inch FLG Plug Valve with Stainless Steel Accessories**
Lot Description **Group 5**
Quantity **12 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 12

Description
F&I 10 inch FLG Plug Valve with Stainless Steel Accessories

Item **PNC2122386B1--05-05 - Group 5: F&I 12 inch FLG Plug Valve with Stainless Steel Accessories**
Lot Description **Group 5**
Quantity **12 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 12

Description
F&I 12 inch FLG Plug Valve with Stainless Steel Accessories

Item **PNC2122386B1--05-06 - Group 5: F&I 4 inch Check Valve with Stainless Steel Accessories**
Lot Description **Group 5**
Quantity **60 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 60

Description
F&I 4 inch Check Valve with Stainless Steel Accessories

Item **PNC2122386B1--05-07 - Group 5: F&I 6 inch Check Valve with Stainless Steel Accessories**
Lot Description **Group 5**
Quantity **30 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**

Commissioners

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 30

Description

F&I 6 inch Check Valve with Stainless Steel Accessories

Item **PNC2122386B1--05-08 - Group 5: F&I 8 inch Check Valve with Stainless Steel Accessories**

Lot Description **Group 5**

Quantity **20 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 20

Description

F&I 8 inch Check Valve with Stainless Steel Accessories

Item **PNC2122386B1--05-09 - Group 5: F&I 10 inch Check Valve with Stainless Steel Accessories**

Lot Description **Group 5**

Quantity **10 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 10

Description

F&I 10 inch Check Valve with Stainless Steel Accessories

Item **PNC2122386B1--05-10 - Group 5: F&I 12 inch Check Valve with Stainless Steel Accessories**

Lot Description **Group 5**

Quantity **10 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 10

Description

F&I 12 inch Check Valve with Stainless Steel Accessories

Item **PNC2122386B1--05-11 - Group 5: F&I 4 inch Pump Out Connection**
Lot Description **Group 5**
Quantity **20 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 20

Description
F&I 4 inch Pump Out Connection

Item **PNC2122386B1--05-12 - Group 5: F&I 6 inch Pump Out Connection**
Lot Description **Group 5**
Quantity **12 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 12

Description
F&I 6 inch Pump Out Connection

Item **PNC2122386B1--05-13 - Group 5: F&I 4 inch MJ Plug Valve with Accessories**
Lot Description **Group 5**
Quantity **24 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 24

Description
F&I 4 inch MJ Plug Valve with Accessories

Item **PNC2122386B1--05-14 - Group 5: F&I 6 inch MJ Plug Valve with Accessories**
Lot Description **Group 5**
Quantity **24 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 24

Description

F&I 6 inch MJ Plug Valve with Accessories

Item **PNC2122386B1--05-15 - Group 5: F&I 8 inch MJ Plug Valve with Accessories**

Lot Description **Group 5**

Quantity **10 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 10

Description

F&I 8 inch MJ Plug Valve with Accessories

Item **PNC2122386B1--05-16 - Group 5: F&I 10 inch MJ Plug Valve with Accessories**

Lot Description **Group 5**

Quantity **6 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 6

Description

F&I 10 inch MJ Plug Valve with Accessories

Item **PNC2122386B1--05-17 - Group 5: F&I 12 inch MJ Plug Valve with Accessories**

Lot Description **Group 5**

Quantity **10 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 10

Description

F&I 12 inch MJ Plug Valve with Accessories

Item **PNC2122386B1--05-18 - Group 5: F&I 4 inch Flanged DI Piping**

Lot Description **Group 5**
Quantity **1500 linear foot**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 1500

Description
F&I 4 inch Flanged DI Piping

Item **PNC2122386B1-05-19 - Group 5: F&I 6 inch Flanged DI Piping**
Lot Description **Group 5**
Quantity **150 linear foot**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 150

Description
F&I 6 inch Flanged DI Piping

Item **PNC2122386B1-05-20 - Group 5: F&I 8 inch Flanged DI Piping**
Lot Description **Group 5**
Quantity **600 linear foot**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 600

Description
F&I 8 inch Flanged DI Piping

Item **PNC2122386B1-05-21 - Group 5: F&I 10 inch Flanged DI Piping**
Lot Description **Group 5**
Quantity **250 linear foot**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A

N/A FL 33301

Qty 250

Description

F&I 10 inch Flanged DI Piping

Item **PNC2122386B1--05-22 - Group 5: F&I 12 inch Flanged DI Piping**

Lot Description **Group 5**

Quantity **300 linear foot**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 300

Description

F&I 12 inch Flanged DI Piping

Item **PNC2122386B1--05-23 - Group 5: F&I 4 inch MJ Flexible Joint**

Lot Description **Group 5**

Quantity **9 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 9

Description

F&I 4 inch MJ Flexible Joint

Item **PNC2122386B1--05-24 - Group 5: F&I 6 inch MJ Flexible Joint**

Lot Description **Group 5**

Quantity **9 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 9

Description

F&I 6 inch MJ Flexible Joint

Item **PNC2122386B1--05-25 - Group 5: F&I 8 inch MJ Flexible Joint**

Lot Description **Group 5**

Quantity **9 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 9

Description
F&I 8 inch MJ Flexible Joint

Item **PNC2122386B1--05-26 - Group 5: F&I 10 inch MJ Flexible Joint**
Lot Description **Group 5**
Quantity **9 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 9

Description
F&I 10 inch MJ Flexible Joint

Item **PNC2122386B1--05-27 - Group 5: F&I Pump Base Elbow and County Supplied Pumps (4 inch Discharge)**
Lot Description **Group 5**
Quantity **60 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 60

Description
F&I Pump Base Elbow and County Supplied Pumps (4 inch Discharge)

Item **PNC2122386B1--05-28 - Group 5: F&I Pump Base Elbow and County Supplied Pumps (6 inch Discharge)**
Lot Description **Group 5**
Quantity **24 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 24

Description

F&I Pump Base Elbow and County Supplied Pumps (6 inch Discharge)

Item	PNC2122386B1--05-29 - Group 5: F&I Pump Base Elbow and County Supplied Pumps (8 inch Discharge)
Lot Description	Group 5
Quantity	10 each
Unit Price	<input type="text"/>
Delivery Location	Broward County Board of County Commissioners
	<u>Refer to Specifications and Requirements</u>
	N/A
	N/A FL 33301
	Qty 10

Description

F&I Pump Base Elbow and County Supplied Pumps (8 inch Discharge)

Item	PNC2122386B1--05-30 - Group 5: F&I Stainless Steel Pump Cable & Float Hanger Bracket
Lot Description	Group 5
Quantity	60 each
Unit Price	<input type="text"/>
Delivery Location	Broward County Board of County Commissioners
	<u>Refer to Specifications and Requirements</u>
	N/A
	N/A FL 33301
	Qty 60

Description

F&I Stainless Steel Pump Cable and Float hanger bracket.

Item	PNC2122386B1--05-31 - Group 5: F&I Wet Well Vent
Lot Description	Group 5
Quantity	30 each
Unit Price	<input type="text"/>
Delivery Location	Broward County Board of County Commissioners
	<u>Refer to Specifications and Requirements</u>
	N/A
	N/A FL 33301
	Qty 30

Description

F&I Wet Well Vent

Item	PNC2122386B1--05-32 - Group 5: F&I 1 inch Water Service
Lot Description	Group 5
Quantity	5 each
Unit Price	<input type="text"/>

Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 5

Description
F&I 1 inch Water Service

Item **PNC2122386B1--05-33 - Group 5: F&I 1 inch Back Flow Prevention Device**
Lot Description **Group 5**
Quantity **5 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 5

Description
F&I 1 inch Back Flow Prevention Device

Item **PNC2122386B1--05-34 - Group 5: F&I 2 inch Water Service**
Lot Description **Group 5**
Quantity **36 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 36

Description
F&I 2 inch Water Service

Item **PNC2122386B1--05-35 - Group 5: F&I 2 inch Back Flow Prevention Device**
Lot Description **Group 5**
Quantity **36 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 36

Description
F&I 2 inch Back Flow Prevention Device

Item **PNC2122386B1--05-36 - Group 5: F&I 4 inch DIP Mechanical Joint Force Main**
Lot Description **Group 5**
Quantity **750 linear foot**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 750

Description
F&I 4 inch DIP Mechanical Joint Force Main

Item **PNC2122386B1--05-37 - Group 5: F&I 6 inch DIP Mechanical Joint Force Main**
Lot Description **Group 5**
Quantity **1300 linear foot**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 1300

Description
F&I 6 inch DIP Mechanical Joint Force Main

Item **PNC2122386B1--05-38 - Group 5: F&I 8 inch DIP Mechanical Joint Force Main**
Lot Description **Group 5**
Quantity **750 linear foot**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 750

Description
F&I 8 inch DIP Mechanical Joint Force Main

Item **PNC2122386B1--05-39 - Group 5: F&I 10 inch DIP Mechanical Joint Force Main**
Lot Description **Group 5**
Quantity **130 linear foot**
Unit Price
Delivery Location **Broward County Board of County Commissioners**

Commissioners

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 130

Description

F&I 10 inch DIP Mechanical Joint Force Main

Item **PNC2122386B1-05-40 - Group 5: F&I 12 inch DIP Mechanical Joint Force Main**

Lot Description **Group 5**

Quantity **130 linear foot**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 130

Description

F&I 12 inch DIP Mechanical Joint Force Main

Item **PNC2122386B1-05-41 - Group 5: F&I MJ DIP Force Main Fittings and Accessories**

Lot Description **Group 5**

Quantity **8250 pound**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 8250

Description

F&I MJ DIP Force Main Fittings and Accessories

Item **PNC2122386B1-05-42 - Group 5: F&I 8 inch PVC Sanitary Sewer (SDR 26) (6 feet - 10 feet deep)**

Lot Description **Group 5**

Quantity **300 linear foot**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 300

Description

F&I 8 inch PVC Sanitary Sewer (SDR 26) (6 feet - 10 feet deep)

Item **PNC2122386B1--05-43 - Group 5: F&I 8 inch PVC Sanitary Sewer (SDR 26) (10 feet - 14 feet deep)**
 Lot Description **Group 5**
 Quantity **300 linear foot**
 Unit Price
 Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
 N/A
 N/A FL 33301
Qty 300

Description
 F&I 8 inch PVC Sanitary Sewer (SDR 26) (10 feet - 14 feet deep)

Item **PNC2122386B1--05-44 - Group 5: F&I 8 inch PVC Sanitary Sewer (C-900) (14 feet - 18 feet deep)**
 Lot Description **Group 5**
 Quantity **450 linear foot**
 Unit Price
 Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
 N/A
 N/A FL 33301
Qty 450

Description
 F&I 8 inch PVC Sanitary Sewer (C-900) (14 feet - 18 feet deep)

Item **PNC2122386B1--05-45 - Group 5: F&I 10 inch PVC Sanitary Sewer (SDR 26) (6 feet - 10 feet deep)**
 Lot Description **Group 5**
 Quantity **300 linear foot**
 Unit Price
 Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
 N/A
 N/A FL 33301
Qty 300

Description
 F&I 10 inch PVC Sanitary Sewer (SDR 26) (6 feet - 10 feet deep)

Item **PNC2122386B1--05-46 - Group 5: F&I 10 inch PVC Sanitary Sewer (SDR 26) (10 feet - 14 feet deep)**
 Lot Description **Group 5**
 Quantity **300 linear foot**
 Unit Price
 Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 300

Description

F&I 10 inch PVC Sanitary Sewer (SDR 26) (10 feet - 14 feet deep)

Item **PNC2122386B1--05-47 - Group 5: F&I 10 inch PVC Sanitary Sewer (C-900) (14 feet - 18 feet deep)**

Lot Description **Group 5**

Quantity **300 linear foot**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 300

Description

F&I 10 inch PVC Sanitary Sewer (C-900) (14 feet - 18 feet deep)

Item **PNC2122386B1--05-48 - Group 5: F&I 10 inch PVC Sanitary Sewer (C-900) (over 18 feet deep)**

Lot Description **Group 5**

Quantity **175 linear foot**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 175

Description

F&I 10 inch PVC Sanitary Sewer (C-900) (over 18 feet deep)

Item **PNC2122386B1--05-49 - Group 5: F&I Connection to Existing Force Main - 4 inch**

Lot Description **Group 5**

Quantity **20 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 20

Description

F&I Connection to Existing Force Main - 4 inch

Item **PNC2122386B1--05-50 - Group 5: F&I Connection to Existing Force Main - 6 inch**

Lot Description **Group 5**
Quantity **15 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 15

Description
F&I Connection to Existing Force Main - 6 inch

Item **PNC2122386B1-05-51 - Group 5: F&I Connection to Existing Force Main - 8 inch**
Lot Description **Group 5**
Quantity **12 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 12

Description
F&I Connection to Existing Force Main - 8 inch

Item **PNC2122386B1-05-52 - Group 5: F&I Connection to Existing Force Main - 10 inch**
Lot Description **Group 5**
Quantity **4 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 4

Description
F&I Connection to Existing Force Main - 10 inch

Item **PNC2122386B1-05-53 - Group 5: F&I Connection to Existing Force Main - 12 inch**
Lot Description **Group 5**
Quantity **6 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A

N/A FL 33301

Qty 6

Description

F&I Connection to Existing Force Main - 12 inch

Item **PNC2122386B1--05-54 - Group 5: F&I Flanged DIP Fittings**

Lot Description **Group 5**

Quantity **10000 pound**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 10000

Description

F&I Flanged DIP Fittings

Item **PNC2122386B1--05-55 - Group 5: F&I Pressure Gauge Assembly**

Lot Description **Group 5**

Quantity **30 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 30

Description

F&I Pressure Gauge Assembly

Item **PNC2122386B1--05-56 - Group 5: F&I 1 Tap for Additional Pressure Transducer**

Lot Description **Group 5**

Quantity **30 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 30

Description

F&I 1 Tap for Additional Pressure Transducer

Item **PNC2122386B1--05-57 - Group 5: F&I 3 Drain Pipe from Valve Vault to Wet Well**

Lot Description **Group 5**

Quantity **30 each**
 Unit Price
 Delivery Location **Broward County Board of County
Commissioners**
Refer to Specifications and Requirements
 N/A
 N/A FL 33301
Qty 30

Description
 F&I 3 Drain Pipe from Valve Vault to Wet Well

Item **PNC2122386B1--05-58 - Group 5: Install County Supplied Passive Odor Control Unit Including Connection to Panel**
 Lot Description **Group 5**
 Quantity **24 each**
 Unit Price
 Delivery Location **Broward County Board of County
Commissioners**
Refer to Specifications and Requirements
 N/A
 N/A FL 33301
Qty 24

Description
 Install County Supplied Passive Odor Control Unit Including Connection to Panel

Item **PNC2122386B1--05-59 - Group 5: Install County Supplied Active Odor Control Unit Including Connection to Panel**
 Lot Description **Group 5**
 Quantity **15 each**
 Unit Price
 Delivery Location **Broward County Board of County
Commissioners**
Refer to Specifications and Requirements
 N/A
 N/A FL 33301
Qty 15

Description
 Install County Supplied Active Odor Control Unit Including Connection to Panel

Item **PNC2122386B1--06-01 - Group 6: Remove Existing Control Panel (duplex)**
 Lot Description **Group 6**
 Quantity **15 each**
 Unit Price
 Delivery Location **Broward County Board of County
Commissioners**
Refer to Specifications and Requirements
 N/A

N/A FL 33301

Qty 15

Description

Remove Existing Control Panel (duplex)

Item **PNC2122386B1--06-02 - Group 6: Remove Existing Control Panel (triplex)**

Lot Description **Group 6**

Quantity **4 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 4

Description

Remove Existing Control Panel (triplex)

Item **PNC2122386B1--06-03 - Group 6: Remove Existing Electric Meter**

Lot Description **Group 6**

Quantity **20 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 20

Description

Remove Existing Electric Meter

Item **PNC2122386B1--06-04 - Group 6: Relocate Existing Control Panel (up to 30 feet)**

Lot Description **Group 6**

Quantity **8 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 8

Description

Relocate Existing Control Panel (up to 30 feet)

Item **PNC2122386B1--06-05 - Group 6: Relocate Existing Electric Meter (up to 30 feet)**

Lot Description **Group 6**

Quantity **6 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 6

Description
Relocate Existing Electric Meter (up to 30 feet)

Item **PNC2122386B1-06-06 - Group 6: Install County Supplied Control Panel - up to 10 HP**
Lot Description **Group 6**
Quantity **24 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 24

Description
Install County Supplied Control Panel - up to 10 HP

Item **PNC2122386B1-06-07 - Group 6: Install County Supplied Control Panel - over 10 HP to 20 HP**
Lot Description **Group 6**
Quantity **10 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 10

Description
Install County Supplied Control Panel - over 10 HP to 20 HP

Item **PNC2122386B1-06-08 - Group 6: Install County Supplied Control Panel - over 20 HP to 40 HP (duplex)**
Lot Description **Group 6**
Quantity **9 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 9

Description

Install County Supplied Control Panel - over 20 HP to 40 HP (duplex)

Item	PNC2122386B1--06-09 - Group 6: Install County Supplied Control Panel - over 20 HP to 40 HP (triplex)
Lot Description	Group 6
Quantity	4 each
Unit Price	<input type="text"/>
Delivery Location	Broward County Board of County Commissioners
	<u>Refer to Specifications and Requirements</u>
	N/A
	N/A FL 33301
	Qty 4

Description

Install County Supplied Control Panel - over 20 HP to 40 HP (triplex)

Item	PNC2122386B1--06-10 - Group 6: Install County Supplied Control Panel - 50 HP to 100 HP (duplex)
Lot Description	Group 6
Quantity	5 each
Unit Price	<input type="text"/>
Delivery Location	Broward County Board of County Commissioners
	<u>Refer to Specifications and Requirements</u>
	N/A
	N/A FL 33301
	Qty 5

Description

Install County Supplied Control Panel - 50 HP to 100 HP (duplex)

Item	PNC2122386B1--06-11 - Group 6: Install County Supplied Control Panel - 50 HP to 100 HP (triplex)
Lot Description	Group 6
Quantity	3 each
Unit Price	<input type="text"/>
Delivery Location	Broward County Board of County Commissioners
	<u>Refer to Specifications and Requirements</u>
	N/A
	N/A FL 33301
	Qty 3

Description

Install County Supplied Control Panel - 50 HP to 100 HP (triplex)

Item	PNC2122386B1--06-12 - Group 6: F&I 3/4 inch Bubbler System Piping, Fittings and Appurtenances
Lot Description	Group 6
Quantity	36 each
Unit Price	<input type="text"/>

Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 36

Description
F&I 3/4 inch Bubbler System Piping, Fittings and Appurtenances

Item **PNC2122386B1-06-13 - Group 6: Remove and Properly Store Existing Pumps during Construction**
Lot Description **Group 6**
Quantity **60 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 60

Description
Remove and Properly Store Existing Pumps during Construction

Item **PNC2122386B1-06-14 - Group 6: Install/Reinstall Pumps including Reconnection to Panel**
Lot Description **Group 6**
Quantity **75 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 75

Description
Install/Reinstall Pumps including Reconnection to Panel

Item **PNC2122386B1-06-15 - Group 6: Disconnect and Remove Existing Floats from Wet Well**
Lot Description **Group 6**
Quantity **120 each**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 120

Description
Disconnect and Remove Existing Floats from Wet Well

Item **PNC2122386B1--06-16 - Group 6: Reinstall and Reconnect County Supplied Floats in Wet Well**
Lot Description **Group 6**
Quantity **120 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 120

Description
Reinstall and Reconnect County Supplied Floats in Wet Well

Item **PNC2122386B1--06-17 - Group 6: F&I Power Present Indicator Light (blue)**
Lot Description **Group 6**
Quantity **30 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 30

Description
F&I Power Present Indicator Light (blue)

Item **PNC2122386B1--06-18 - Group 6: Install County Supplied Connection/Isolation Panel (duplex)**
Lot Description **Group 6**
Quantity **25 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 25

Description
Install County Supplied Connection/Isolation Panel (duplex)

Item **PNC2122386B1--06-19 - Group 6: Install Connection/Isolation Panel (triplex)**
Lot Description **Group 6**
Quantity **6 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**

Commissioners

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 6

Description

Install Connection/Isolation Panel (triplex)

Item **PNC2122386B1-06-20 - Group 6: F&I 200 AMP Electrical Service to Lift Station**

Lot Description **Group 6**

Quantity **1200 linear foot**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 1200

Description

F&I 200 AMP Electrical Service to Lift Station

Item **PNC2122386B1-06-21 - Group 6: F&I 400 AMP Electrical Service to Lift Station**

Lot Description **Group 6**

Quantity **1200 linear foot**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 1200

Description

F&I 400 AMP Electrical Service to Lift Station

Item **PNC2122386B1-06-22 - Group 6: F&I 200A Emergency Connection/Transfer Panel**

Lot Description **Group 6**

Quantity **18 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 18

Description

F&I 200A Emergency Connection/Transfer Panel

Item **PNC2122386B1--06-23 - Group 6: F&I 400A Emergency Connection/Transfer Panel**
Lot Description **Group 6**
Quantity **18 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 18

Description
F&I 400A Emergency Connection/Transfer Panel

Item **PNC2122386B1--06-24 - Group 6: F&I Temporary Electrical Service**
Lot Description **Group 6**
Quantity **20 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 20

Description
F&I Temporary Electrical Service

Item **PNC2122386B1--06-25 - Group 6: F&I Temporary Control Panel**
Lot Description **Group 6**
Quantity **20 each**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 20

Description
F&I Temporary Control Panel

Item **PNC2122386B1--06-26 - Group 6: F&I 3 inch Aluminum Conduit**
Lot Description **Group 6**
Quantity **750 linear foot**
Unit Price
Delivery Location **Broward County Board of County Commissioners**
[Refer to Specifications and Requirements](#)

N/A
N/A FL 33301
Qty 750

Description

F&I 3 inch Aluminum Conduit

Item **PNC2122386B1--06-27 - Group 6: F&I 2 inch Aluminum Conduit**

Lot Description **Group 6**

Quantity **750 linear foot**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 750

Description

F&I 2 inch Aluminum Conduit

Item **PNC2122386B1--06-28 - Group 6: F&I 1-1/2 inch Aluminum Conduit**

Lot Description **Group 6**

Quantity **750 linear foot**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 750

Description

F&I 1-1/2 inch Aluminum Conduit

Item **PNC2122386B1--06-29 - Group 6: F&I 1 inch Aluminum Conduit**

Lot Description **Group 6**

Quantity **750 linear foot**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

[Refer to Specifications and Requirements](#)

N/A

N/A FL 33301

Qty 750

Description

F&I 1 inch Aluminum Conduit

Item **PNC2122386B1--06-30 - Group 6: F&I 3/4 inch Aluminum Conduit**

Lot Description **Group 6**
Quantity **450 linear foot**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 450

Description
F&I 3/4 inch Aluminum Conduit

Item **PNC2122386B1-06-31 - Group 6: F&I 2 inch PVC Conduit**
Lot Description **Group 6**
Quantity **450 linear foot**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 450

Description
F&I 2 inch PVC Conduit

Item **PNC2122386B1-06-32 - Group 6: F&I 1 inch PVC Conduit**
Lot Description **Group 6**
Quantity **450 linear foot**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A
N/A FL 33301
Qty 450

Description
F&I 1 inch PVC Conduit

Item **PNC2122386B1-06-33 - Group 6: F&I 3/4 inch PVC Conduit**
Lot Description **Group 6**
Quantity **300 linear foot**
Unit Price
Delivery Location **Broward County Board of County
Commissioners**
[Refer to Specifications and Requirements](#)
N/A

N/A FL 33301

Qty 300

Description

F&I 3/4 inch PVC Conduit

Item **PNC2122386B1-06-34 - Group 6: Remove existing Antenna and Support**

Lot Description **Group 6**

Quantity **36 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 36

Description

Remove existing Antenna and Support

Item **PNC2122386B1-06-35 - Group 6: F&I 2 inch Aluminum Pole for SCADA Antenna (max 20 feet)**

Lot Description **Group 6**

Quantity **36 each**

Unit Price

Delivery Location **Broward County Board of County
Commissioners**

Refer to Specifications and Requirements

N/A

N/A FL 33301

Qty 36

Description

F&I 2 inch Aluminum Pole for SCADA Antenna (max 20 feet)

SPECIAL INSTRUCTIONS TO VENDORS (IN ADDITION TO GENERAL CONDITIONS)

A. Scope:

Vendors are invited to respond for an open-end contract to provide sewer lift station rehabilitation and repair services and appurtenances for Water and Wastewater Services and various other County agencies in need of these services. Work to be performed shall include all labor, materials, equipment, tools and incidentals to perform all tasks associated with the rehabilitation and/or repair of a sewer lift station. Services include but are not limited to, by-pass pumping, wet well repair and restoration, replacement of top slabs, hatches, pumps, pipes, valves, control panels, electrical services, connection panels, underground vaults, excavating and backfilling, disposing of surplus material and restoration, as directed.

The initial contract period shall start on date of award, or upon expiration of the current contract May 6, 2021, whichever is later and shall terminate three years from that date. The Director of Purchasing may renew this contract for two one-year periods subject to vendor acceptance, satisfactory performance and determination that renewal will be in the best interest of the County. Notification of Intent to Renew will be sent in advance of expiration date of this contract. The Vendor will complete delivery and the County will receive delivery on any orders mailed to the Vendor prior to the date of expiration.

All prices, terms and conditions shall remain fixed for the initial period of the contract. In addition, all prices, terms and conditions shall remain fixed for the renewal period of the contract. There will be no allowable price escalations for fuel costs throughout any contract period(s), unless otherwise specified in this document.

No guarantee is expressed or implied as to the total quantity of commodities/services to be purchased under any open end contract. Estimated quantities will be used for bid comparison purposes only. The Board of County Commissioners reserves the right to: issue purchase orders as and when required, or, issue a blanket purchase order for individual agencies and release partial quantities or, issue instructions for use of direct purchase orders by various County agencies, make random, open market purchases for any or all of the item(s) on any open end contract or, any combination of the preceding. No delivery shall become due or be acceptable without a written order by the County, unless otherwise provided for in the contract. Such order will contain the quantity, time of delivery and other pertinent data. However, on items urgently required, the seller may be given telephone notice, to be confirmed by an order in writing.

B. Specifications and Requirements:

Specifications and Requirements, are included hereto and made a part hereof. Whenever the Technical Specifications address a third party (i.e. manufacturer, applicator, subcontractor, etc.) it is to be construed as the Vendor through the third party

The product offered by the Vendor must on an overall basis be equal or greater in quality or performance than the Specifications and Requirements. Broward County reserves the right to be the sole judge of what is equal and acceptable. Submittals which do not comply with Specifications and Requirements are subject to rejection.

C. Office of Economic and Small Business Requirements:

This solicitation has the following County Business Enterprise Goals: 30% CBE Goals. Vendors must follow the instructions included in the **Office of Economic and Small Business Development Requirements** and submit all required forms and information as instructed.

D. Federal Transit Administration Requirements: Not applicable to this solicitation.

E. Vendor Responsibilities:

The Vendor will be responsible for the provision, installation (if applicable, per Specifications and Requirements) and performance of all equipment, materials, services, etc. offered in his or her submittal. The Vendor is in no way relieved of the responsibility for the performance of all equipment furnished, or of assuring the timely delivery of materials, equipment, etc. even though it is not of his or her own manufacture.

Vendor shall perform the Work with its own organization, amounting to not less than 50 percent of the Contract Price.

F. Licensing Requirements:

Vendor should submit satisfactory proof of licensing with its submittal. If not provided with submittal, the Vendor must submit such proof within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

In order to be considered a responsible and responsive Vendor for the scope of work set forth in this solicitation, Vendor shall be required to possess one of the following licenses (including any specified State registration, if applicable) at the time of submittal. Any certificate of competency that meets or exceeds the licensing requirements specified herein, as determined in the sole and absolute discretion of the County, will be considered responsible and responsive to the licensing requirements of this solicitation.

State: CERTIFIED GENERAL CONTRACTOR;

OR

CERTIFIED UNDERGROUND UTILITY AND EXCAVATION CONTRACTOR;

OR

CERTIFIED PLUMBING CONTRACTOR;

OR

County: GENERAL BUILDING CONTRACTOR CLASS A;

(Must be registered with the State)

OR

GENERAL ENGINEERED CONSTRUCTION BUILDER;

(Must be registered with the State)

OR

PRIMARY PIPELINES (WATER, SEWER, DRAINAGE) – CLASS A;

(Must be registered with the State)

All work performed for this solicitation must be performed by a licensed contractor or subcontractor.

Joint Venture submittal requirements

If applicable, A Joint Venture should submit satisfactory proof with its submittal that the Joint Venture, or at least one of the Joint Venture partners, shall be required to possess one of the above licenses (including any specified State registration, if applicable) at the time of submittal. If not submitted with its response, the Joint Venture must submit such proof within three business

days of County's written request. A Joint Venture may be deemed non-responsive for failure to comply within stated timeframes.

If a Joint Venture is recommended for contract award, it must either 1) submit satisfactory proof that the Joint Venture holds the specified license (if applicable) or that a licensed contractor has qualified the Joint Venture, or 2) provide satisfactory proof it applied for the specified license (if applicable) or the licensee has applied to qualify the Joint Venture, within three business days of County's written request. The license or qualification, as applicable, in the name of the Joint Venture, must be effective prior to contract execution.

Additional submittal requirements (for construction services only)

A Joint Venture proposer should submit satisfactory proof with its submittal that the Joint Venture complies with all applicable legal requirements, including but not limited to, Section 489.119, Florida Statutes and Rule 61G4-15.0022, Florida Administrative Code, at time of submittal. If not submitted with its response, the Joint Venture must submit such proof within three business days of County's written request. A Joint Venture may be deemed non-responsive for failure to comply within stated timeframes.

G. Public Bid Disclosure Act:

In compliance with the Public Bid Disclosure Act, Section 218.80, Florida Statutes, each permit, license and/or fee which the Contractor will have to pay the County by virtue of this work/project (before or during construction) is set forth below and includes the dollar amount or the percentage method or unit method to be paid of all permits, licenses and/or fees which includes but is not limited to all licensing fees, permit fees, impact fees, inspection fees and certificates of occupancy (CO).

The using agency will be responsible for paying for any and all permits, licenses, and fees, imposed on the Work by agencies of the Broward County Commission. This does not alleviate the Vendor from obtaining the permits.

Licenses, permits and fees which may be required by The State of Florida, State Agencies or by other local governmental entities are not included in the above list.

H. Permits and Fees: (for Agencies other than Broward County Commissioners)

The Vendor shall procure and pay for all permits and licenses, charges and fees and give all notices necessary and incidental to the due and lawful prosecution of the work. The cost of all permits, fees, etc., shall be included in price bid except where noted in the specifications and requirements.

I. Prevailing Wage Rates:

Section 26-5 of the Broward County Code of Ordinances, provides that in all non-federally funded construction procurement activity of \$250,000 or more, the rate of wages and fringe benefit payments for all laborers, mechanics, and apprentices shall not be less than those payments for similar skills in classifications of work in like industries as determined by the Secretary of Labor and as published in the Federal Register (latest revision). The applicable Prevailing Wage Rate Tables are included in **Specifications and Requirements**.

J. Liquidated Damages:

1. The work to be performed under this Contract shall be commenced upon issuance of Purchase Order or Notice to Proceed, which will not be issued until receipt of all required documents.
2. The work shall be completed and ready for final payment from the time indicated in the Specifications and Requirements from the date indicated in the Purchase Order or Notice to Proceed.
3. Upon failure of the Vendor to complete a project (awarded pursuant to this contract within the specified period of time (plus approved extensions, if any) the Vendor shall pay to County the sum of One Thousand One Hundred Sixty Dollars (\$1,160) for each calendar day (plus approved extensions) after the time specified for completion and readiness for final payment.
4. This amount is not a penalty but liquidated damages to the County. Liquidated damages are hereby fixed and agreed upon between the parties, recognizing the impossibility of precisely ascertaining the amount of damages that will be sustained by the County as a consequence of such delay. Vendor acknowledges and agrees that damages to County from untimely completion are extremely difficult to determine, and accordingly the Vendor agrees that the amount of liquidated damages provided for herein is the nearest and most exact measure of damages for such delays.
5. The County is authorized to deduct liquidated damage amounts from the monies due to Vendor for the work under this contract, or as much thereof as the County may, at its own option, deem just and reasonable.

K. Payment:

1. The solicitation includes an allowance amount for permits, parts on a pass thru, or other identified types of allowances, the following shall apply to payment of allowances:
 - a. The allowance amount and scope of allowance is identified in the solicitation's Specifications and Requirements.
 - b. The allowance amount is an estimate only; payment is not guaranteed and is only paid based on actual costs incurred by the Vendor for the identified allowance.
 - c. The Contract Administrator or designee must authorize use of any allowances (per Specifications and Requirements) prior to Vendor incurring costs related to an allowance amount.
 - d. No markup or additional fees are allowed on payment of allowance items. This includes, but is not limited to, overhead, profit, "runner's fees", etc.
 - e. Allowances for Permit Fees: payment for permit fees does not include licenses, permit expediting services, re-inspection fees, and expired permit fees. Proof of permit fee(s) shall be submitted with Vendor's invoice for payment.
 - f. Allowance for Parts on a Pass Thru: Vendor must charge the County the same invoice prices as it is charged by its suppliers. A copy of the Vendor's invoice(s) from supplier(s) for approved parts and materials shall be submitted with the Vendor's invoice for payment. In cases where the Vendor manufactures its own parts, Vendor will charge the County a price no higher than it charges its most favored customer.

2. Allowances for this solicitation include the following (Refer to Specifications for additional information).
 - a. Permit Fees for non-Broward County Agencies: \$30,000 for the initial three-year term and \$10,000 per year for each renewal period.
 - b. Parts and Materials - \$180,000 for the initial three-year term and \$60,000 per year for each renewal period.
 - c. Florida Power and Light Fees - \$75,000 for the initial three-year term and \$25,000 per year for each renewal period.

GENERAL CONDITIONS

Quotation Requests and Invitations for Bids

These General Conditions apply to every Quotation Requests (“RFQs”) and Invitations for Bid (“IFBs”) (each a “solicitation”) issued by Broward County (the “County”) unless the County deletes, supersedes, or modifies any of these General Conditions for a particular solicitation by indicating such change in the Special Instructions to Vendors. The submission by any vendor (“Vendor”) of a response to the solicitation (“response”) constitutes Vendor’s offer to contract to the County and includes as a material part of that offer Vendor’s agreement that these General Conditions, along with all other provisions included in the solicitation and the pricing stated in Vendor’s response, will constitute the contract between the Vendor awarded the solicitation (“Contractor”) and the County, and shall prevail over any conflicting provision in any quotation, standard form contract, or other document of the Contractor, regardless of any language in such document(s) to the contrary. Any modification to these General Conditions or the language of the solicitation by Vendor is prohibited, unenforceable, and may render Vendor’s response nonresponsive.

A. GENERAL PROVISIONS

1. Effect of Vendor’s Signature on Vendor’s Response:

By Vendor including its digital or electronic signature on its response to this solicitation:

- (a) Vendor represents and certifies that the representations in Section A.2 of these General Conditions are true and accurate;
- (b) Vendor acknowledges, accepts, and agrees that this solicitation is governed by the Terms and Conditions of the Solicitation stated herein; and
- (c) **VENDOR ACKNOWLEDGES, ACCEPTS, AND AGREES THAT, IF AWARDED THE SOLICITATION BY THE COUNTY’S ACCEPTANCE OF VENDOR’S OFFER AS SET FORTH IN ITS RESPONSE TO THE SOLICITATION, VENDOR IS LEGALLY BOUND TO THESE GENERAL CONDITIONS, SPECIAL INSTRUCTIONS, AND THE SPECIFICATIONS OF THIS SOLICITATION, INCLUDING WITHOUT LIMITATION THE TERMS AND CONDITIONS OF CONTRACT STATED HEREIN.**

2. Vendor Representations and Certifications

Vendor represents and certifies the following:

- (a) The individual submitting this form is authorized to sign the response on Vendor’s behalf and has actual legal authority to bind Vendor to the solicitation’s terms. Vendor acknowledges and agrees that electronic signatures or digital signatures shall have the same legal effect as a handwritten signature.
- (b) Vendor’s response is made without prior understanding, agreement, or connection with any other vendor submitting a response to the solicitation regarding either vendor’s response, and is in all respects fair and without collusion or fraud.
- (c) Vendor is neither delinquent in payment of any taxes, fees, fines, contractual debts, judgments, or any other debts due and owed to the County, nor in default of any contractual or regulatory obligation to the County.
- (d) No owner, principal, officer, director, or member of Vendor is or was an owner, principal, officer, director, or member in any other firm that was suspended or debarred from doing business with Broward County within the last three (3) years, unless otherwise noted in Vendor’s response.
- (e) All statements, oral, written or otherwise, in Vendor’s response are accurate, true, and correct. Vendor acknowledges that inaccurate, untruthful, or incorrect statements made in its response may be used by the County as a basis for rejection; rescission of contract award; or termination of the contract; and may also serve as the basis for suspension and/or debarment of Vendor pursuant the Broward County Procurement Code.

(f) Vendor represents and warrants that it possesses the knowledge, skill, experience, and financial capability required to provide and perform all goods and services required under the solicitation and that each person and entity that will provide goods or services is duly qualified to perform such services by all appropriate governmental authorities, where required, and is sufficiently experienced and skilled in the area(s) for which such person or entity will render such goods or services.

B. TERMS AND CONDITIONS OF THE SOLICITATION

1. Responses.

Vendors' responses must be submitted electronically through the County's designated electronic bidding system ("EBS"). It is Vendor's sole responsibility to assure its response is submitted and received through the EBS by the date and time specified in the solicitation. The County will not consider responses received by other means or after the time that solicitations are due. All timeframe references are in Eastern Time. The official time for electronic submittals is the EBS's servers, as synchronized with the atomic clock. Any response that seeks to modify or take exception to the official time shall be deemed nonresponsive.

The County is a public agency subject to Chapter 119, Florida Statutes. Unless otherwise expressly approved in advance in writing by the Purchasing Division, any material submitted in the Vendor's response will become a public document available for public inspection and copying pursuant to Section 119.071, Florida Statutes, and any claim of confidentiality or trade secret is waived with respect to any and all information included in the Vendor's response.

2. Withdrawal.

Vendors may not withdraw their responses after the deadline for responses to the solicitation and before the expiration of 120 days after the date of opening responses to the solicitation. Any response that seeks to modify or take exception to the 120-day requirement shall be deemed nonresponsive.

3. Bid Opening (Invitation for Bids only).

All responses to Invitations for Bids shall be publicly opened in the public domain or as otherwise designated in the solicitation. The Purchasing Division will decrypt responses received in the EBS immediately following the deadline for bid responses.

4. Cancellation of Bids:

The County may cancel a solicitation before or after bid opening in its sole discretion, for any reason or no reason.

5. Addenda:

The County reserves the right to amend this solicitation prior to the deadline for Vendor responses by issuing written addenda to the solicitation. If, upon review, a Vendor finds a nonclerical error in an addendum, that Vendor must contact the Purchasing Division immediately, prior to opening date, to allow the County to review the alleged error and to issue any clarification, if the County determines that a clarification is necessary. Responding vendors shall be responsible for obtaining and reviewing each addendum prior to the deadline for submission of responses to the solicitation. The terms of all addenda are included in the Terms and Conditions of the Solicitation.

6. Prices, Terms, and Payments:

All solicitation responses must include firm prices, which must include all handling, set up, shipping, and inside delivery charges to the destination specified in the solicitation, unless otherwise indicated in the solicitation.

(a) **Certification of Prices:** In submitting its response to this solicitation, Vendor certifies that the prices it is proposing are not higher than the prices at which Vendor sells the same goods and/or services in approximately similar quantities, under similar terms and conditions, to any other purchaser.

(b) **F.O.B. Destination:** Unless otherwise specified, prices shall be provided as F.O.B. Destination, with freight, fuel, and all other costs included.

(c) **Ties:** When two or more responding Vendors offer the same pricing, the Purchasing Division will break the tied responses in accordance with the applicable provisions of the Broward County Procurement Code (the "Procurement Code").

(d) **Taxes:** The County is exempt from federal and Florida taxes on direct purchases of tangible property. The County's tax exemption number will appear on the County's purchase order. Vendor must pay all applicable sales, consumer, land use, or other similar taxes required by law.

(e) **Discounts:** Vendors may offer a cash discount for prompt payment, but such discounts will not be considered in determining the lowest net cost for evaluation purposes unless otherwise stated in the solicitation. In order to be considered for evaluation purposes, Vendors must reflect any applicable discounts in the unit prices submitted in their responses.

(f) **Mistakes:** Vendors are cautioned to examine all specifications, drawings, delivery instructions, unit prices, extensions, and all other special conditions pertaining to this solicitation. Failure to examine all pertinent documents shall not entitle vendors to relief from any provision or any requirement of this solicitation. Mathematical errors are deemed clerical errors and are subject to correction by the County. If there is a mistake in the extension price (i.e., unit price multiplied by quantity), the unit price shall govern.

(g) **Ordering:** The County reserves the right to purchase the goods/services specified in the solicitation through contracts established by governmental agencies, consortiums, or other approved cooperatives, or through separate procurement actions conducted by the County. In addition, if the County requires delivery within a shorter period than the delivery time specified in the solicitation, and if the Contractor is unable to deliver by that time, the County may obtain such delivery from other sources without penalty or prejudice to the County. This solicitation is not for a requirements contract, and the County is not required to fulfill all of its needs for the goods/services at issue exclusively from the Contractor.

7. **Awards:**

If a specific basis of award is not established in the Special Instructions to Vendors, the award shall be to the lowest, responsive, and responsible Vendor. The County reserves the right to make separate award(s) to one or more Vendors for individual goods/services, groups of goods/services, or all or none or any combination thereof. When a group of goods/services is specified in the solicitation, Vendor must include prices for all items within the group in its response.

A Vendor desiring to offer "No Charge" on an item in a group of goods/services must so indicate by placing a \$0.00 in the offer field for that item, and enter "No Charge" in the "Notes for Buyer" section in the EBS. If a Vendor does not comply with these requirements, its response with respect to that group of goods/services will be deemed incomplete and may be rejected. However, if Vendors do not offer all items within a group, the County may issue an award on one or more items on an item-by-item basis. When a group is indicated for variable quantities and the group shows evidence of unbalanced prices, such solicitation response may be rejected. The Director of Purchasing, or the Broward County Board of County Commissioners, whichever is applicable, reserves the right to waive technicalities and irregularities and to reject any or all responses.

8. **Qualifications of Vendors:**

The County will only award a contract to a Vendor that is normally engaged in providing the types of commodities, services, or construction specified herein. Responding Vendors must have adequate

organization, facilities, equipment, and personnel to ensure prompt and efficient service to the County. The County reserves the right to inspect Vendor’s facilities, equipment, personnel, and organization, or to take any other action necessary to determine Vendor’s ability to perform in accordance with the solicitation’s specifications, terms, and conditions. The County will determine whether the evidence of ability to perform is satisfactory, and reserves the right to reject responses and/or find any responding vendor nonresponsible where evidence or evaluation is determined to indicate insufficient capacity or ability to perform. The County may also consider a responding Vendor’s history of any and all types of citations, orders, judgments, and/or violations, including those relating to suspensions, debarments, or environmental regulations, in determining responsibility. Responding Vendors must submit with their response a complete history of all citations and/or violations notices and dispositions thereof. Failure of the successful Vendor to submit such information may be grounds for rejection of Vendor’s response or termination of Vendor’s contract. Vendor shall notify the County immediately of notice of any citations, orders, judgments, or violations not included in Vendor’s response that occur at any time period prior to expiration of the contract.

9. Affiliated Companies Entities of the Principal(s):

To ensure Vendor has the capability to fully perform the contract requirements, as well as the integrity and reliability that will ensure good faith performance, each Vendor must disclose in its response the names and addresses of entities with whom the principal(s) of Vendor have been affiliated at any time in the five (5) years preceding the date the solicitation was posted. Affiliated entities of the principal(s) are those entities related to Vendor by the sharing of stock or other means of control, including but not limited to a subsidiary, parent, or sibling entity.

10. Resolution of Protested Solicitations and Proposed Awards:

In accordance with Sections 21.118 and 21.120 of the Broward County Procurement Code, if a Vendor intends to protest a solicitation or proposed award of a contract the following shall apply:

(a) Any protest concerning the solicitation’s specifications or requirements (or any addendum thereto) received by the County within seven (7) business days from the posting of the solicitation or addendum on the Purchasing Division’s website. The protest must be made in writing to the Director of Purchasing, and must specify the grounds for protest.

(b) Any protest concerning a solicitation or a proposed award above the authority of the Director of Purchasing, as provided in the Procurement Code must be received by the County within five (5) business days after the posting of the recommendation for award on the Purchasing Division’s website. The protest must be made in writing to the Director of Purchasing, and must specify the grounds for protest.

(c) Any protest concerning a solicitation or a proposed award within the authority of the Director of Purchasing, as provided in the Procurement Code, must be received by the County within three (3) business days after the posting of the recommendation of award on the Purchasing Division’s website may protest to the Director of Purchasing. The protest must be made in writing to the Director of Purchasing, and must specify the grounds for protest.

(d) For purposes of this section, a business day is defined as Monday through Friday between 8:30 a.m. and 5:00 p.m. Failure to timely file a protest within the timeframes specified shall constitute a waiver of the right to protest.

(e) As a condition of initiating any protest, the protestor shall present the Director of Purchasing with a nonrefundable filing fee. The filing fee shall be calculated based on the estimated contract amount. For purposes of the protest, the estimated contract amount shall be the contract amount submitted by the protestor. If no contract amount was submitted, the estimated contract amount shall be the County’s estimated contract price for the project. The County will accept money order, certified check, or cashier’s check, payable to Broward County Board of County Commissioners. The filing fees are as follows:

Estimated Contract Amount	Filing Fee
Mandatory Bid Amount - \$250,000	\$500

\$250,001 - \$500,000	\$1,000
\$500,001 - \$5 million	\$3,000
Over \$5 million	\$5,000

11. Public Entity Crimes & Public Business Discrimination:

Vendor represents that the submission of its response to this solicitation does not violate the Public Entity Crimes Act, Section 287.133, Florida. Vendor represents that it has not been placed on the “discriminatory vendor list” as provided in Section 287.134, Florida Statutes, and that it is not a “scrutinized company” pursuant to Section 215.473, Florida Statutes. Vendor represents and certifies that it is not ineligible to contract with the County on any of the grounds stated in Section 287.135, Florida Statutes. Violation of this section shall result in cancellation of Vendor’s contract, and may result in suspension and/or debarment.

12. State of Florida Division of Corporations Requirements:

Vendor must comply with all state and local business licensing requirements. All corporations, partnerships, and other business entities must have the authority to transact business in the State of Florida and must be in good standing with the Florida Secretary of State before responding to this solicitation. For further information, contact the Florida Department of State, Division of Corporations. A Vendor that does not comply with the provisions of this section may be deemed nonresponsive to the solicitation.

13. Cone of Silence Ordinance (Invitations for Bids):

The Cone of Silence Ordinance, Section 1-266, Broward County Code of Ordinances, provides that for certain time periods, Vendors and their representatives may not communicate regarding the solicitation with any County Commissioner or their staff, the County Administrator, Deputy County Administrator, Assistant County Administrator, Assistants to the County Administrator, their respective support staff, or any staff person that will evaluate solicitation responses or recommend selection in this solicitation process.

However, Vendors may communicate with a representative of the Office of Economic and Small Business Development ("OESBD") (telephone (954) 357-6400) at any time regarding a solicitation or regarding participation of Small Business Enterprises or County Business Enterprises in a solicitation. The Cone of Silence also permits communication with certain other County employees (for more information, refer to Section 1-266, Broward County Code of Ordinances).

(a) The Cone of Silence shall be in effect for any County Commissioner or the Commissioner's staff, commencing at the time of the opening of responses to the solicitation;

(b) The Cone of Silence shall be in effect for the County Administrator, Deputy County Administrator, Assistant County Administrator, Assistants to the County Administrator, their respective support staff, and any person that will evaluate solicitation responses or recommend selection in this solicitation process commencing at the time of advertisement for the solicitation.

(c) The Cone of Silence terminates when the County Commission or other awarding authority takes action that concludes the solicitation.

(d) Any violations of the Code of Silence Ordinance by any representative of Vendor, including owner, employee, consultant, lobbyist, or actual or potential subcontractor or subconsultant, may be reported to the County’s Office of Professional Standards. If the Office of Professional Standards determines that a violation has occurred, a fine shall be imposed against Vendor as provided in the Broward County Code of Ordinances. Additionally, a determination of violation shall render any award to a Vendor who is found to have violated the Cone of Silence Ordinance voidable, at the sole discretion of the Broward County Board of County Commissioners.

14. Contingency Fees:

By submission of this solicitation response, Vendor certifies it has not paid and will not pay any contingency fees (sometimes known as a finder’s fee) to any person or organization, other than a bona fide employee working solely for Vendor, to secure a contract made pursuant to this solicitation. Violation of this policy

may result in termination of any resultant contract and/or possible suspension and/or debarment of Vendor.

15. Local Business Tax Receipt Requirements:

All Vendors maintaining a business address within Broward County must have a current Broward County Local Business Tax Receipt issued by the Broward County Records, Taxes and Treasury Division prior to recommendation for award. Vendors that do not have such a license may be deemed nonresponsive to this solicitation. For further information on obtaining or renewing a Local Business Tax Receipt, contact the Records, Taxes and Treasury Division at (954) 357-6200.

16. Dun & Bradstreet Report Requirement:

The County may review any Vendor's Dun & Bradstreet rating and payment performance to assist in determining a Vendor's responsibility regarding this solicitation.

17. Samples:

Samples or drawings, when required, shall be provided to the County free of charge. If not mutilated or destroyed in the examination, Vendor will be notified to remove same at their expense. If samples are not removed within thirty (30) calendar days after written notice to Vendor, they shall be considered as abandoned, and the County shall have the right to dispose of them as its own property.

18. "Or Equal" Clause:

Whenever a material, article or piece of equipment is identified in the solicitation by reference to a manufacturer or vendor name, trade name, catalog number, or otherwise, any such reference is intended merely to establish a standard; and, unless such identification is followed by the words "no substitution is permitted," any material, article, or piece of equipment of any other manufacturer or vendors that will perform or serve the requirements of the solicitation will be considered equally acceptable, provided that the material, article, or piece of equipment so proposed is, in the sole opinion of the County, equal in substance, quality, and function to the material, article, or piece of equipment specified in the solicitation.

19. Procurement Code:

The Broward County Procurement Code is applicable to this solicitation, and can be obtained from the Purchasing Division's website at: www.broward.org/purchasing.

20. Legal Requirements:

Applicable provisions of all federal, state, and local laws, ordinances, rules, and regulations, including the Broward County Procurement Code, shall govern development, submittal, and evaluation of responses to this solicitation, and shall govern any and all claims and disputes that may arise between Vendors and the County, and its officers, employees, and/or authorized representatives. Lack of knowledge by any Vendor of any applicable law, rule, or regulation shall not constitute a recognizable defense against the legal effect thereof.

C. TERMS AND CONDITIONS OF CONTRACT

1. Contract Period:

The contract period shall start and terminate as indicated in the solicitation's Special Instructions to Vendors. If no contract period is stated in the Special Instructions to Vendors: the contract period shall start upon the date of award and end three (3) years later, unless extended by the Director of Purchasing; and the Director of Purchasing may extend the contract period for up to two (2) additional one (1) year terms upon written notice to Contractor at least thirty (30) days prior to the expiration of the then-current term. The contract shall not exceed a total of five (5) years, unless extended pursuant to action by the Broward

County Board of County Commissioners. The continuation of this contract beyond the end of any County fiscal year is subject to both the appropriation and the availability of funds in accordance with Chapter 129, Florida Statutes.

The Director of Purchasing may, in her/his sole and absolute discretion, renew the contract based on Contractor's satisfactory performance and the Director of Purchasing's determination that renewal is in the best interest of the County. In such cases, the County will provide Contractor with a Notification of Intent to Renew in advance of the contract expiration date. All prices, terms, and conditions of the contract shall remain firm for any renewal period unless subject to price adjustment specified as a "special condition" in the solicitation. If the Director of Purchasing does not renew the contract, Contractor nonetheless shall, if directed in writing by the Director of Purchasing, continue contract performance for a period not exceeding ninety (90) days beyond the contract expiration date. Contractor shall be compensated for such extended performance at the rate in effect when the Director of Purchasing directs Contractor to continue performance beyond the contract expiration date.

2. Orders and Quantities:

Unless the solicitation states a fixed quantity to be purchased, no guarantee is expressed or implied as to the total quantity of goods/services to be purchased under any open-end contract. Solicitations for open-end contracts may state estimated quantities, but such estimated quantities are not a representation of the amount to be purchased. The County reserves the right to issue purchase orders on this solicitation as and when required; or issue a blanket purchase order for individual agencies and release partial quantities; or issue instructions for use of direct purchase orders by various County agencies; or do any combination of the foregoing. No delivery shall become due or be acceptable without a written purchase order and shipping instruction by the County, unless otherwise expressly provided in the solicitation. Such order will contain the quantity, time of delivery, and other pertinent data. However, for items required immediately, the County may place an order electronically (which may include by email), with subsequent confirmation by a written purchase order.

For solicitations stating fixed quantities, purchase order(s) for the quantities stated in the solicitation will be issued to the Contractor after notification of award and receipt of all required documents. The County may order additional quantities of up to an additional twenty percent (20%) of the originally specified quantities at any time prior to the expiration of one (1) year after the date of award; if so ordered by the County, Contractor must furnish such additional quantities at the same prices, terms, and conditions as stated in the solicitation.

3. Invoice and Payment:

Contractor may submit invoices for payment no more often than on a monthly basis, but only after the goods or services for which the invoices are submitted have been delivered or completed. If Contractor utilizes a subcontractor for any goods or services relating to the contract, Contractor must submit a Certification of Payments to Subcontractors and Suppliers with each invoice in the form provided by the County. Contractor must pay subcontractors and suppliers within fifteen (15) days following receipt of payment from the County for such subcontracted work or supplies. The certification shall be accompanied by a copy of the notification sent to each unpaid subcontractor listed on the form, if any, explaining the good cause why payment has not been made to that subcontractor.

The County shall pay for all goods and services received and accepted by the County in accordance with the Local Government Prompt Payment Act, Section 218.70, Florida Statutes, and the Prompt Payment Policy, Section No. 1-51.6, of the Broward County Code of Ordinances. All applications for payment shall be submitted to the address indicated in the purchase order. The County will pay Contractor after receipt, acceptance, and proper invoice is received. Invoices must bear the purchase order number. The County will

only accept and pay for deliveries made by Contractor within the contract period, including any extensions or continued performance as directed by the Director of Purchasing.

4. Termination:

(a) **Availability of Funds:** In the event funds for this contract are not made available or otherwise allocated by the Broward County Board of County Commissioners, the County may terminate this contract upon thirty (30) days prior written notice to Contractor without penalty or liability for such termination. The Broward County Board of County Commissioners shall be the final authority as to availability of funds and how such available funds are to be allotted and expended.

(b) **Nonperformance:** The County may terminate the contract for cause if Contractor is in breach and does not correct the breach within ten (10) days after written notice from the County Contract Administrator identifying the breach. Cause for termination shall include, but not be limited to, failure to suitably perform the work; failure to suitably deliver goods in accordance with the specifications and instructions in this solicitation; failure to continuously perform the work in a manner calculated to meet or accomplish the objectives of the County as set forth in this solicitation; or multiple breaches of the provisions of this contract notwithstanding whether any breach was previously waived or cured. The County's election not to enforce any particular breach(es) shall not constitute a waiver its right to enforce such breach(es).

(c) **For Convenience:** The County may terminate the contract for convenience upon no less than thirty (30) days written notice. In the event the contract is terminated for convenience, Contractor shall be paid for any goods properly delivered and services properly performed to the date the contract is terminated. However, upon being notified of the County's election to terminate, Contractor shall cease any deliveries, shipment or carriage of goods, and refrain from performing further services or incurring additional expenses under the terms of the contract, unless directed otherwise in writing by the County. In no event will payment be made for lost or future profits or damages for Contractor's reliance on continued performance of the contract beyond the date of termination for convenience. Contractor acknowledges and agrees that it has received good, valuable, and sufficient consideration from the County for the County's right to terminate this contract for convenience, the receipt and adequacy of which are hereby acknowledged.

5. Conditions and Packaging:

Unless otherwise stated in the solicitation, or specifically ordered from an accepted price list, deliveries must consist only of new and unused goods and must be the current standard production model available at the time of Contractor's response. The goods must be suitably packaged for shipment by common carrier. Each container, or multiple units or items otherwise packaged, must bear a label or otherwise legible marking stating the name of Contractor (or the manufacturer or supplier), the purchase order number, and any other information required by the solicitation's specifications.

6. Safety Standards:

Unless otherwise specified in the solicitation, all manufactured items and fabricated assemblies shall comply with applicable requirements of the Occupational Safety and Health Act ("OSHA") and all standards thereunder. All sources of energy associated with machinery/equipment purchased shall be capable of being "locked-out" in accordance with OSHA 29 CFR § 1910.147, Hazardous Energy Control. Pursuant to OSHA 29 CFR § 1910.1200, Hazard Communication Standard, and Chapter 442, Florida Statutes, Occupational Safety and Health, any chemical substance provided or delivered pursuant to this solicitation to the County must be compliant with the Global Harmonized System ("GHS") for Hazard Communication accompanied by a Safety Data Sheet ("SDS") consisting of 16 sections, which SDS must be submitted to the Broward County Risk Management Division, 115 South Andrews Avenue, Room 218, Fort Lauderdale, FL 33301-1803.

7. Rejection of Nonconforming Items:

The County may withhold acceptance of, or reject any items that the County determines do not meet the specification requirements of the solicitation. Upon written notice in accordance with Section 12 below, Contractor must remove the rejected items at its own expense within five (5) calendar days after the County's notice of rejection and then replace them at its own expense with items that meet the specification requirements of the solicitation. Any items not removed by Contractor within thirty (30) days after the County's notice of rejection shall be considered abandoned, and the County may dispose of them in any manner it sees fit. The County shall not be required to give written notice of rejection with respect to foodstuffs or medication. With respect to foodstuffs and medication, the County may provide verbal notification of rejection, in response to which Contractor must immediately remove and replace the rejected goods at its sole expense. Contractor's failure to provide conforming items, failure to meet the timeframes for removal and replacement specified in this Section 7 may result in Contractor being found in breach of contract.

8. Inspection, Acceptance and Title:

Inspection and acceptance will be at the delivery destination specified in the solicitation, unless otherwise stated in the purchase order. Title and risk of loss or damage to all items shall be the responsibility of Contractor until such items are accepted by the County.

9. Governmental Restrictions:

In the event any applicable law or regulation requires substitution of the goods or services required by the solicitation (or alteration of the material quality, workmanship, or performance of such goods or services) prior to delivery of same, Contractor must immediately notify the County in writing of the specific law or regulation requiring such substitution or alteration. The County reserves the right to accept any such substitution or alteration, including any price adjustments occasioned thereby, or to terminate the contract without liability and at no further expense to the County.

10. Insurance:

Contractor shall, at its sole expense, maintain the minimum insurance coverages required in the solicitation in accordance with the terms and conditions of this article. Contractor shall maintain insurance coverage against claims relating to any act or omission by Contractor, its agents, representatives, employees, or subcontractors in connection with this contract. Contractor shall ensure that "Broward County" is listed and endorsed as an additional insured on all required policies. Contractor shall ensure that all required insurance coverages remain in full force and effect for the duration of this contract and until all performance required by Contractor has been completed. Contractor shall ensure that all required insurance policies are issued by insurers: (1) assigned an A. M. Best rating of at least "A-" with a Financial Size Category of at least Class VII; (2) authorized to transact insurance in the State of Florida; or (3) a qualified eligible surplus lines insurer pursuant to Section 626.917 or 626.918, Florida Statutes, with approval by the County's Risk Management Division. Contractor shall be solely responsible for and shall pay any deductible or self-insured retention applicable to any claim against the County. Unless prohibited by the applicable policy, Contractor waives any right to subrogation that any of Contractor's insurer may acquire against the County, and agrees to obtain same in an endorsement of Contractor's insurance policies.

11. Indemnification:

(a) Contracts other than construction contracts (as defined in Section 726.06, Florida Statutes):

Contractor shall indemnify, hold harmless, and defend the County and all of the County's current, past, and future officers, agents, servants, and employees (collectively, "Indemnified Party") from and against any and all causes of action, demands, claims, losses, liabilities, and expenditures of any kind, including attorneys' fees, court costs, and expenses, including through the conclusion of any appellate proceedings, raised or

asserted by any person or entity not a party to this contract, and caused or alleged to be caused, in whole or in part, by any intentional, reckless, or negligent act or omission of Contractor, its officers, employees, agents, or servants, arising from, relating to, or in connection with this solicitation (collectively, a "Claim"). If any Claim is brought against an Indemnified Party, Contractor shall, upon written notice from the County, defend each Indemnified Party against each such Claim by counsel satisfactory to the County or, at the County's option, pay for an attorney selected by the County Attorney to defend the Indemnified Party. The obligations of this section shall survive the expiration or earlier termination of this solicitation and the contract term. If considered necessary by the Contract Administrator and the County Attorney, any sums due Contractor under this contract may be retained by the County until all Claims subject to this indemnification obligation have been settled or otherwise resolved. Any amount withheld shall not be subject to payment of interest by the County.

b) Construction contracts (as defined in Section 726.06, Florida Statutes): Contractor shall indemnify and hold harmless the County and its current, past, and future officers and employees from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness or intentionally wrongful conduct of Contractor or other persons employed or utilized by Contractor in the performance of this contract. The provisions of this section shall survive the expiration or earlier termination of this contract. To the extent considered necessary by the Contract Administrator and the County Attorney, any sums due Contractor under this contract may be retained by the County until all of the County's claims subject to this indemnification obligation have been settled or otherwise resolved, and any amount withheld shall not be subject to payment of interest by the County.

12. Notice:

Notice to the County or Contractor must be sent via U.S. first-class mail, hand delivery, or commercial overnight delivery, each with a contemporaneous copy via email, to the addresses listed below (for the County) or stated in the solicitation (for Contractor), and shall be effective upon mailing or hand delivery (provided the contemporaneous email is also sent). The addresses for notice shall remain as set forth in this section unless and until changed by providing notice of such change in accordance with the provisions of this section.

For the County:

Broward County
Director, Broward County Purchasing Division
115 S. Andrews Avenue, Room 212
Fort Lauderdale, FL 33301-1801

Contractor must identify in its response a designated person and address to whom notice shall be sent when required by the contract.

13. Jurisdiction, Venue, Waiver of Jury Trial:

This contract shall be interpreted and construed in accordance with and governed by the laws of the State of Florida. The exclusive venue for any lawsuit arising from, related to, or in connection with this solicitation or contract shall be in the state courts of the Seventeenth Judicial Circuit in and for Broward County, Florida. If any claim arising from, related to, or in connection with this solicitation or contract must be litigated in federal court, the exclusive venue for any such lawsuit shall be in the United States District Court or United States Bankruptcy Court for the Southern District of Florida. **BY ENTERING INTO THIS CONTRACT, EACH OF CONTRACTOR AND THE COUNTY HEREBY EXPRESSLY WAIVE ANY RIGHTS IT MAY HAVE TO A TRIAL BY JURY OF ANY CIVIL LITIGATION RELATED TO THIS CONTRACT. IF A PARTY FAILS TO WITHDRAW A REQUEST FOR A JURY TRIAL IN A LAWSUIT ARISING OUT OF THIS CONTRACT OR SOLICITATION AFTER WRITTEN NOTICE BY THE OTHER PARTY OF VIOLATION OF THIS SECTION, THE PARTY**

MAKING THE REQUEST FOR JURY TRIAL SHALL BE LIABLE FOR THE REASONABLE ATTORNEYS' FEES AND COSTS OF THE OTHER PARTY IN CONTESTING THE REQUEST FOR JURY TRIAL, AND SUCH AMOUNTS SHALL BE AWARDED BY THE COURT IN ADJUDICATING THE MOTION.

14. Patents and Royalties:

Contractor, without exception, shall indemnify, hold harmless, and defend the County, and all of the County's current, past, and future officers, agents, servants, and employees, from liability of any nature or kind, including but not limited to attorneys' fees, costs, and expenses, for or on account of any of any claims by third parties arising out of any copyrighted, trademarked, invention (patented or unpatented), process, or article that is manufactured, used, or otherwise required or occasioned by performance of the contract by Contractor or by the County. Contractor is solely responsible for any and all royalties, fees, or costs resulting or arising from use of any design, device, or materials covered by letters, patent, or copyright. The County shall not be liable or pay any royalties, fees, or costs in connection with this contract or the goods or services provided pursuant to this contract. This provision shall survive the expiration or earlier termination of the contract.

15. Assignment; Subcontractors:

Except for subcontracting approved by the County in advance, neither this contract nor any right or interest in it may be assigned, transferred, subcontracted, or encumbered by Contractor without the prior written consent of the County. Any assignment, transfer, encumbrance, or subcontract in violation of this section shall be void and ineffective, constitute a breach of this contract, and permit the County to immediately terminate the contract, in addition to any other remedies available to the County at law or in equity.

16. Equal Employment Opportunity:

Contractor shall not discriminate against any employee or applicant for employment based on race, religion, age, color, sex, gender, national origin, sexual orientation (including as provided in Broward County Code, Chapter 16½), marital status, political affiliation, disability, or physical or mental disability. Contractor shall also take affirmative action to ensure that employees are treated during their employment, without regard to their race, religion, age, color, sex, gender, national origin, sexual orientation, marital status, political affiliation, disability, or physical or mental disability. Such actions shall include, but not be limited to the following: employment, promotion, demotion, transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, as well as selection of training, including apprenticeship. Contractor agrees to post notices setting forth the provisions of this nondiscrimination clause in conspicuous places available to employees and applicants for employment.

Contractor must include the foregoing or similar language in its contracts with any subcontractors or subconsultants that may perform work required by this solicitation, except that any project assisted by U.S. Department of Transportation funds shall comply with the nondiscrimination requirements in Title 49 C.F.R. Parts 23 and 26, as applicable. Contractor must ensure subcontractors and subconsultants, if any, are aware and comply with the requirements of this nondiscrimination clause. Failure to comply with above requirements is a material breach of the contract, and may result in contract termination or such other remedy as the County deems appropriate, all of such remedies being cumulative.

17. County Business Enterprise (CBE):

This section does not apply if the solicitation states that there is no CBE goal or that this section is inapplicable. Contractor will meet the required CBE goal (if any) stated in the solicitation by utilizing the CBE firms listed in Contractor's response for the required percentage of total services (the "Commitment"). Contractor shall enter into formal contracts with the CBE firms listed in the response and, upon request, provide copies of those contracts to the OESBD. Each CBE firm must be certified by OESBD, and any replacement of a CBE firm must be approved by OESBD. The parties stipulate that if Contractor fails to meet the Commitment, the damages to the County arising from such failure are not readily ascertainable at

the time of contracting. If Contractor fails to meet the Commitment and the County determines, in the sole discretion of the OESBD Program Director, that Contractor failed to make Good Faith Efforts (as defined in Section 1-81, Broward County Code of Ordinances) to meet the Commitment, Contractor shall pay the County liquidated damages in an amount equal to fifty percent (50%) of the actual dollar amount by which Contractor failed to achieve the Commitment, up to a maximum amount of ten percent (10%) of the total contract amount excluding costs and reimbursable expenses. As elected by County, such liquidated damages amount shall be either credited against any amounts due from County, or must be paid to County within thirty (30) days after written demand. Contractor shall provide written monthly reports to the Contract Administrator attesting to Contractor's compliance with the Commitment, and must allow the County to engage in onsite reviews to monitor Contractor's progress in complying with the obligations of this section.

18. Domestic Partnership Requirement:

This section does not apply if the contract is exempt from the provisions of the Broward County Domestic Partnership Act, Section 16½-157, Broward County Code of Ordinances, or the solicitation states that this section does not apply. Contractor certifies and represents that it will comply with the provisions of Section 16½-157 for the duration of this contract.

19. Drug-Free Workplace.

Unless the solicitation states that this section does not apply or this section is prohibited by applicable federal law, rules, or funding requirements, Contractor certifies that it has a drug-free workplace program and that it will maintain such drug-free workplace program for the duration of this contract.

20. Modifications:

All changes to purchase orders shall be by issuance of a change order by the County. Any modification or change to this contract must be by written amendment signed by Contractor and the County.

21. Purchase by Other Governmental Agencies:

Contractor understands and agrees that any other governmental unit may enter into a contract with Contractor on the same terms and conditions as Contractor's contract with the County. However, any such governmental unit must establish its own contract with Contractor, place its own orders, issue its own purchase orders, be separately invoiced by Contractor, make its own payments, and issue its own exemption certificates as required by Contractor. Contractor understands and agrees that the County is not and will not be a legally bound party to any contractual agreement made between any other governmental unit and Contractor as a result of this solicitation, and that no other governmental unit is an implied or intended third-party beneficiary of this contract between the County and Contractor.

22. Public Records:

Pursuant to Chapter 119, Florida Statutes, Contractor and all subcontractors and subconsultants retained by Contractor for performance of this contract, shall comply with Florida's Public Records Law, including as follows:

- (a) Keep and maintain public records required by the County to perform the services;
- (b) Upon request from the County, provide the County with a copy of the requested records or allow the records to be inspected or copied within a reasonable time and at a cost that does not exceed that provided in Chapter 119, Florida Statutes, or as otherwise provided by law;
- (c) Ensure that public records that are exempt or confidential and exempt from public record requirements are not disclosed except as authorized by law for the duration of this contract and following completion or termination of this contract if the records are not transferred to the County; and
- (d) Upon completion or termination of this contract, transfer to the County, at no cost, all public records in possession of Contractor or keep and maintain public records required by the County to perform the services. If Contractor transfers the records to the County, Contractor shall destroy any duplicate public records that are exempt or confidential and exempt. If Contractor keeps and maintains the public records,

Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the County upon request in a format that is compatible with the information technology systems of the County.

A request for public records regarding this contract must be made directly to the County, who will be responsible for responding to any such public records requests. Contractor must provide any requested records to the County to enable the County to respond to the public records request.

IF CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT (954) 357-6006, PURCHASINGINFORMATION@BROWARD.ORG, 115 S. ANDREWS AVE., SUITE 212, FORT LAUDERDALE, FLORIDA 33301.

Any material submitted to the County that Contractor contends constitutes or contains trade secrets or is otherwise exempt from production under Florida public records laws (including Chapter 119, Florida Statutes) ("Trade Secret Materials") must be separately submitted and conspicuously labeled "EXEMPT FROM PUBLIC RECORD PRODUCTION – TRADE SECRET." In addition, Contractor must, simultaneous with the submission of any Trade Secret Materials, provide a sworn affidavit from a person with personal knowledge attesting that the Trade Secret Materials constitute trade secrets under Section 812.081, Florida Statutes, and stating the factual basis for same. If a third party submits a request to the County for records designated by Contractor as Trade Secret Materials, the County shall refrain from disclosing the Trade Secret Materials, unless otherwise ordered by a court of competent jurisdiction or authorized in writing by Contractor. Contractor must indemnify and defend the County and its employees and agents from any and all claims, causes of action, losses, fines, penalties, damages, judgments and liabilities of any kind, including attorneys' fees, litigation expenses, and court costs, relating to the nondisclosure of any Trade Secret Materials in response to a records request by a third party.

23. Audit Right and Retention Records:

The County shall have the right to audit the books, records, and accounts of Contractor and its subcontractors that are related to this contract. Contractor and its subcontractors shall keep such books, records, and accounts as may be necessary in order to record complete and correct entries related to this contract and performance under this contract. All such books, records, and accounts shall be kept in written form, or in a form capable of conversion into written form within a reasonable time, and upon request to do so, Contractor or its subcontractor shall make same available in written form at no cost to the County. Contractor shall ensure that the requirements of this section are included in all agreements with its subcontractor(s).

Contractor shall preserve and make available, at reasonable times within Broward County, Florida, for examination and audit, all financial records, supporting documents, statistical records, and any other documents pertinent to this contract for at least three (3) years after expiration or termination of this contract or until resolution of any audit findings, whichever is longer. Any audit or inspection pursuant to this section may be performed by any County representative (including any outside representative engaged by the County). Contractor hereby grants the County the right to conduct such audit or review at Contractor's place of business, if deemed appropriate by the County, with seventy-two (72) hours' advance notice.

Any incomplete or incorrect entry in such books, records, and accounts shall be a basis for the County's disallowance and recovery of any payment made by the County based upon such entry. If an audit or inspection in accordance with this section discloses overpricing or overcharges to the County of any nature by Contractor in excess of five percent (5%) of the total contract billings reviewed by the County, County

shall reimburse County for the reasonable actual cost of the County's audit. In addition, at the County's option, Contractor shall remit the amount of overcharges to County or County shall deduct such overcharges from future payments made by County to Contractor. Any remittances due by Contractor as a result of such audit or inspection shall be made within thirty (30) days after presentation of the County's findings to Contractor.

24. Ownership of Documents:

All finished or unfinished documents, studies, surveys, drawings, maps, models, photographs, specifications, and reports prepared or provided by Contractor in connection with this contract shall become the property of the County upon the expiration or termination of the contract, whether the project for which they are made is completed or not. Contractor must deliver all such materials to the Contract Administrator prior to contract expiration or within fifteen (15) days after Contractor's receipt of a written notice of termination. If applicable, the County may withhold any payments then due to Contractor until Contractor complies with the provisions of this section.

25. Special Notice:

In accordance with OSHA Regulation 29 CFR § 1926.1101(k)(2), Contractor is hereby notified of the presence of asbestos containing material and/or presumed asbestos containing material at some Broward County locations.

26. Code Requirements:

Contractor and his or her subcontractors on this project must be familiar and comply with all applicable federal, state, county, municipal, and local laws, rule, regulations, and codes applicable to performance of the contract awarded with respect to this solicitation. Contractor must ask for and receive any required inspections relevant to its performance of the contract.

27. Contractor Responsibilities:

Unless otherwise stated in the solicitation, Contractor will be responsible for the provision, installation, and performance of all equipment, materials, goods, and services offered in its response, even if such materials or equipment is not of their own manufacture or such services are not being performed by Contractor's own employees. Time is of the essence in performing the duties, obligations, and responsibilities required by Contractor under this contract.

28. Warranties and Guarantees:

Contractor shall obtain all applicable manufacturers' warranties and guarantees of the equipment and materials required by this solicitation and resulting orders under this solicitation for the benefit of, and in the name of, Broward County. Contractor shall deliver documentation of such warranties and guarantees to the point of delivery specified in the solicitation.

29. Contractor Evaluation:

The Contract Administrator will document Contractor's performance by completing a Performance Evaluation Form. A blank Performance Evaluation Form may be viewed at: broward.org/Purchasing/documents/vendorperformanceevaluationrequirements.pdf. An interim performance evaluation of Contractor may be conducted by the Contract Administrator at any time before completion of the Project. The Contract Administrator shall conduct a final performance evaluation when the Request for Final Payment to Contractor is forwarded for approval. In either situation, the completed evaluation(s) shall be forwarded to the Director of Purchasing, who shall provide a copy to Contractor upon request. Said evaluation(s) may be used by the County as a factor in considering the responsibility of Contractor for future solicitations.

30. Independent Contractor.

Contractor is an independent contractor of the County, and nothing in this contract shall constitute or create a partnership, joint venture, or any other relationship between the Parties. In providing Services, neither Contractor nor its agents shall act as officers, employees, or agents of the County. Contractor shall not have the right to bind the County to any obligation not expressly undertaken by the County under this contract.

31. Regulatory Capacity.

Notwithstanding the fact that the County is a political subdivision with certain regulatory authority, the County's performance under this contract is as a Party to this contract and not in its regulatory capacity. If the County exercises its regulatory authority, the exercise of such authority and the enforcement of any rules, regulation, laws, and ordinances shall be made pursuant to its pursuant to the County's regulatory authority as a governmental body separate and apart from this contract, and shall not be attributable in any manner to the County as a party to this contract.

32. Sovereign Immunity.

Except to the extent required by law, nothing herein is intended to serve as a waiver of sovereign immunity by the County nor shall anything included herein be construed as consent by the County to be sued by third parties in any matter arising out of this contract. The County is a political subdivision as defined in Section 768.28, Florida Statutes, and shall be responsible for the negligent or wrongful acts or omissions of its employees pursuant to Section 768.28, Florida Statutes.

33. Third-Party Beneficiaries.

Neither Contractor nor the County intends to directly or substantially benefit a third party by entering into this contract. Therefore, the Parties acknowledge that there are no third-party beneficiaries to this contract and that no third party shall be entitled to assert a right or claim against either of them based upon this contract.

34. Compliance with Laws.

Contractor and the goods and services provided by Contractor pursuant to this contract must comply with all applicable federal, state, and local laws, codes, ordinances, rules, and regulations including, without limitation, American with Disabilities Act, 42 U.S.C. § 12101, Section 504 of the Rehabilitation Act of 1973, and any related federal, state, or local laws, rules, and regulations. Contractor represents that Contractor and each subcontractor has registered with and uses the E-Verify system maintained by the United States Department of Homeland Security to verify the work authorization status of all newly hired employees in compliance with the requirements of Section 448.095, Florida Statutes, and that entry into this contract will not violate that statute. If Contractor violates this section, County may immediately terminate this contract for cause and Contractor shall be liable for all costs incurred by County due to the termination.

35. Severability.

If any part of this contract is found to be unenforceable by any court of competent jurisdiction, that part shall be deemed severed from this contract and the balance of this contract shall remain in full force and effect.

Rev. 10/2020 #529892v2

Office of Economic and Small Business Requirements: CBE Goal Participation

- A. In accordance with the Broward County Business Opportunity Act of 2012, Section 1-81, Code of Ordinances, as amended (the "Business Opportunity Act"), the County Business Enterprise (CBE) Program is applicable to this contract. All Vendors responding to this solicitation are required to utilize CBE firms to perform the assigned participation goal for this contract.
- B. The CBE participation goal will be established based on the expected expenditure amount for the proposed scope of services for the project. The Office of Economic and Small Business Development (OESBD) will not include alternate items, optional services or allowances when establishing the CBE participation goal. If the County subsequently chooses to award any alternate items, optional services or allowances as determined by OESBD and the Contract Administrator to be related to the scope of services, OESBD may apply the established CBE participation goal. In such an instance, the County will issue a written notice to the successful Vendor that the CBE participation goal will also apply to the alternate items, optional services or allowances. Vendor shall submit all required forms pertaining to its compliance with the CBE participation goal, as applicable. Failure by Vendor to submit the required forms may result in the rejection of Vendor's solicitation submittal prior to the award or failure to comply with the contract requirements may have an impact on the vendor performance evaluation post award, as applicable.
- C. CBE Program Requirements: Compliance with CBE participation goal requirements is a matter of responsibility; Vendor should submit all required forms and information with its solicitation submittal. If the required forms and information are not provided with the Vendor's solicitation submittal, then Vendor must supply the required forms and information no later than three (3) business days after request by OESBD. Vendor may be deemed non-responsible for failure to fully comply with CBE Program Requirements within these stated timeframes.
1. Vendor should include in its solicitation submittal a **Letter Of Intent Between Bidder/Offeror and County Business Enterprise (CBE) Subcontractor/Supplier** for each CBE firm the Vendor intends to use to achieve the assigned CBE participation goal. The form is available at the following link: <http://www.broward.org/EconDev/Documents/CBELetterOfIntent.pdf>
 2. If Vendor is unable to attain the CBE participation goal, Vendor should include in its solicitation submittal an **Application for Evaluation of Good Faith Efforts** and all of the required supporting information. The form is available at the following link: <http://www.broward.org/EconDev/WhatWeDo/Documents/GoodFaithEffortEval.pdf>
- D. OESBD maintains an online directory of CBE firms. The online directory is available for use by Vendors at <https://webapps4.broward.org/smallbusiness/sbdirectory.aspx>.
- E. For detailed information regarding the CBE Program contact the OESBD at (954) 357-6400 or visit the website at: <http://www.broward.org/EconDev/SmallBusiness/>
- F. If awarded the contract, Vendor agrees to and shall comply with all applicable requirements of the Business Opportunity Act and the CBE Program in the award and administration of the contract.
1. No party to this contract may discriminate on the basis of race, color, sex, religion, national origin, disability, age, marital status, political affiliation, sexual orientation, pregnancy, or gender identity and expression in the performance of this contract.
 2. All entities that seek to conduct business with the County, including Vendor or any Prime Contractors, Subcontractors, and Bidders, shall conduct such business activities in a fair and reasonable manner, free from fraud, coercion, collusion, intimidation, or bad faith. Failure to do

so may result in the cancellation of this solicitation, cessation of contract negotiations, revocation of CBE certification, and suspension or debarment from future contracts.

3. If Vendor fails to meet or make Good Faith Efforts (as defined in the Business Opportunity Act) to meet the CBE participation commitment (the "Commitment"), then Vendor shall pay the County liquidated damages in an amount equal to fifty percent (50%) of the actual dollar amount by which Vendor failed to achieve the Commitment, up to a maximum amount of ten percent (10%) of the total contract amount, excluding costs and reimbursable expenses. An example of this calculation is stated in Section 1-81.7, Broward County Code of Ordinances.
4. Vendor shall comply with all applicable requirements of the Business Opportunity Act in the award of this contract. Failure by Vendor to carry out any of these requirements shall constitute a material breach of the contract, which shall permit the County to terminate this contract or to exercise any other remedy provided under this contract, the Broward County Code of Ordinances, the Broward County Administrative Code, or other applicable laws, with all such remedies being cumulative.
5. Vendor shall pay its CBE subcontractors and suppliers, within fifteen (15) days following receipt of payment from the County, for all completed subcontracted work and supplies. If Vendor withholds an amount from CBE subcontractors or suppliers as retainage, such retainage shall be released and paid within fifteen (15) days following receipt of payment of retained amounts from the County.
6. Vendor understands that the County will monitor Vendor's compliance with the CBE Program requirements. Vendor must provide OESBD with a Monthly Utilization Report (MUR) to confirm its compliance with the Commitment agreed to in the contract; timely submission of the MUR every month throughout the term of the contract, including amendment and extension terms, is a condition precedent to the County's payment of Vendor under the contract.

Workforce Investment Program Requirements:

- A. In accordance with Broward County Workforce Investment Program, Administrative Code, Section 19.211, the Workforce Investment Program (Program) this solicitation is a covered contract if the open-end contract award value exceeds \$500,000 per year or if the individual project value exceeds \$500,000 under a fixed-term contract. The Program encourages Vendors to utilize CareerSource Broward (CareerSouce) and their contract partners as a first source for employment candidates for work on County-funded projects, and encourages investment in Broward County economic development through the hiring of economically disadvantaged or hard-to-hire individuals.
- B. Compliance with the Program, including compliance with First Source Referral and the Qualifying New Hires goals, is a matter of responsibility. Vendor should submit the **Workforce Investment Program Certification Form** with its response. If not provided with solicitation submittal, the Vendor must supply within three business days of County's request. Vendor may be deemed non-responsible for failure to comply within stated timeframes.
- C. The following is a summary of requirements contained in the Program. This summary is not all-inclusive of the requirements of the Program. If there is any conflict between the following summary and the language in the Program, the language in the Program shall prevail. In compliance with the Program, Vendor (and/or its subcontractors) shall agree to:
1. be bound to contractual obligations under the contract;
 2. use good faith efforts to meet First Source Referral goal for vacancies that result from award of this contract;
 3. publicly advertise any vacancies that are the direct result of this contract, exclusively with CareerSource for at least five (5) business days;
 4. review qualifications of CareerSource's Qualified Referrals and use good faith efforts to interview Qualified Referrals that appear to meet the required qualifications;
 5. use good faith efforts to hire Qualifying New Hires (as defined by the Program) for at least fifty percent (50%) of the vacancies (rounded up) that are the direct result of this contract;
 6. obtain a hired worker's written certification, attesting to a status as a Qualifying New Hire, Economically Disadvantaged Worker, or Hard-to-Hire worker (if applicable);
 7. retain records relating to Program requirements, including: records of all applicable vacancies; job order requests to CareerSource; qualified referral lists; and records of candidates interviewed and the outcome of the interviews.
 8. provide to the County any documents and records demonstrating Vendor's compliance and good faith efforts to comply with the Program;
 9. submit to the County an annual report by January 31st and within 30 days of contract completion or expiration; and
 10. ensure that all of its subcontractors comply with the requirements of the Program.
- D. Further information about the Program, Vendor's obligations, and the Qualifying New Hire's certification form may be obtained on the Office of Economic and Small Business Development

website:

broward.org/econdev/Pages/WorkforceInvestmentProgram.aspx. Vendor is responsible for reading and understanding requirements of the Program.

- E. Subcontractors: Vendor’s subcontractors shall use good faith efforts to meet the First Source Referral and the Qualifying New Hires goals, in accordance with the Program. The Vendor shall include in any subcontracts a requirement that the all subcontractors comply with the Program requirements. The Vendor shall be responsible for compliance by any subcontractor with the Program as it applies to their subcontract.

- F. Reporting: Vendor shall maintain and make available to County upon request all records documenting Vendor’s compliance and its subcontractors’ compliance with the requirements of the Program, and shall submit the required reports to the Contract Administrator annually by January 31 and within thirty (30) days after the conclusion of this contract. Failure to timely comply with reporting requirements shall constitute a material breach of this contract.

- G. Evaluation: The Contract Administrator will document the Vendor’s compliance and good faith efforts as part of the Vendor’s Performance Evaluation.

- H. Failure to demonstrate good faith efforts to meet the First Source Referral and the Qualifying New Hires goal shall constitute a material breach of this contract.

WORKFORCE INVESTMENT PROGRAM CERTIFICATION FORM

This form(s) should be returned with the Vendor’s submittal. If not provided with solicitation submittal, the Vendor must supply information within three business days of County’s request. Vendor may be deemed non-responsible for failure to comply within stated timeframes.

In accordance with the Workforce Investment Program:

(Vendor) agrees to be bound to the contractual obligations of the Workforce Investment Program, Broward County Administrative Code Section 19.211, requiring our firm to use good faith efforts to meet the First Source Referral Goal and the Qualifying New Hires Goal.

The statement must be signed by an authorized signatory of the firm. Receipt of the signed statement from the Vendor is a matter of responsibility. A firm not offering an affirmative response in this regard will be found "non-responsible" to the solicitation and not eligible for further evaluation or award.

AUTHORIZED SIGNATURE/NAME

TITLE

DATE

VENDOR QUESTIONNAIRE
Quotations and Invitations for Bids

The completed Vendor Questionnaire should be submitted with the solicitation response. If not submitted with solicitation response, it must be submitted within three business days of County's request. Failure to timely submit may affect may result in Vendor being deemed non-responsive.

If a response requires additional information, the Vendor should upload a written detailed response; each response should be numbered to match the question number. The completed questionnaire and attached responses will become part of the procurement record. It is imperative that the person completing the form be knowledgeable about the proposing Vendor's business and operations.

1. Legal business name:
2. Doing Business As/Fictitious Name (if applicable):
3. Federal Employer I.D. no. (FEIN):
4. Dun and Bradstreet No.:
5. Website address (if applicable):
6. Principal place of business address:
7. Office location responsible for this project:
8. Telephone no.: Fax no.:
9. Type of business (check appropriate box):
 - Corporation (specify the state of incorporation):
 - Sole Proprietor
 - Limited Liability Company (LLC)
 - Limited Partnership
 - General Partnership (State and County filled in)
 - Other – Specify

10. AUTHORIZED CONTACT(S) FOR YOUR FIRM:

Name:
Title:
E-mail:
Telephone No.:

Name:
Title:
E-mail:
Telephone No.:

Generic e-mail for purchase orders:

(Broward County auto distributes purchase orders from its financial system. To ensure a firm receives a purchase order, it is suggested a company accessible e-mail address is used.)

11. List name and title of each principal, owner, officer, and major shareholder:

- a)
- b)
- c)
- d)

12. Affiliated Entities of the Principal(s): List the names and addresses of "affiliated entities" of the Vendor's principal(s) over the last five (5) years (from the solicitation opening deadline) that have acted as a prime Vendor with the County. Affiliated entities of the principal(s) are those entities related to the vendor by the sharing of stock or other means of control, including but not limited to a subsidiary, parent or sibling entity.

- a)
- b)
- c)
- d)

13. Has your firm, its principals, officers or predecessor organization(s) been debarred or suspended by any government entity within the last three years? If yes, specify details in an attached written response. Yes No
14. Has your firm, its principals, officers or predecessor organization(s) ever been debarred or suspended by any government entity? If yes, specify details in an attached written response the reinstatement date, if granted. Yes No
15. Specify the type of services or commodities your firm offers:

16. How many years has your firm been in business while providing the services and/or products offered within this solicitation?
17. Is your firm's business regularly engaged in and routinely selling the product(s) or services offered within this solicitation? Yes No
18. Does your firm affirm that it is currently authorized by the manufacturer as a dealer/seller of the product(s) offered herein, and warranty offered is the manufacturer's warranty with Broward County recorded as the original purchase? Yes No N/A (if service)
19. Has your firm ever failed to complete any services and/or delivery of products during the last three (3) years? If yes, specify details in an attached written response. Yes No
20. Is your firm or any of its principals or officers currently principals or officers of another organization? If yes, specify details in an attached written response. Yes No
21. Have any voluntary or involuntary bankruptcy petitions been filed by or against your firm, its parent or subsidiaries or predecessor organizations during the last three years? If yes, specify details in an attached written response. Yes No
22. Has your firm's surety ever intervened to assist in the completion of a contract or have Performance and/or Payment Bond claims been made to your firm or its predecessor's sureties during the last three years? If yes, specify details in an attached written response, including contact information for owner and surety company. Yes No
23. If requested, will your firm extend the same price, terms and conditions to other governmental entities during the period covered by this contract? Yes No
24. Would your firm accept a Visa credit card as payment from Broward County, with no additional fees or change to bid price? Procurement Contract must be approved and designated for procurement card (p-card) by Director of Purchasing for use prior to ordering. Yes No
25. Living Wage solicitations only: In determining what, if any, fiscal impact(s) are a result of the Ordinance for this solicitation, provide the following for informational purposes only. Response is not considered in determining the award of the contract.
- Living Wage had an effect on the pricing Yes No
- If yes, Living Wage increased the pricing by % or decreased the pricing by %.
26. Non-Collusion Certification: Vendor shall disclose, to their best knowledge, any Broward County officer or employee, or any relative of any such officer or employee as defined in Section 112.3135 (1)(c), the Florida Statutes who is an officer or director of, or has a material interest in, the Vendor's business, who is in a position to influence this procurement. Any Broward County officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement. Failure of a Vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the Broward County Procurement Code.
- Select One:
- Vendor certifies that this offer is made independently and free from collusion; or
 - Vendor is disclosing names of officers or employees who have a material interest in this procurement and is in a position to influence this procurement. Vendor must include a list of name(s), and relationship(s) with its submittal.

27. Participation in Solicitation Development:

I have not participated in the preparation or drafting of any language, scope, or specification that would provide my firm or any affiliate an unfair advantage of securing this solicitation that has been let on behalf of Broward County Board of County Commissioners.

I have provided information regarding the specifications and/or products listed in this solicitation that has been let on behalf of Broward County Board of County Commissioners.

If this box is checked, provide the following:

Name of Person the information was provided:

Title:

Date information provided:

For what purpose was the information provided?

Question 28 – 31 are only applicable to **service contracts** or a **construction contracts** (repair, maintain or furnish and install) solicitations:

28. What similar on-going contracts is your firm currently working on? If additional space is required, provide on separate sheet.

29. Has your firm completely inspected the project site(s) prior to submitting response? Yes No

30. Will your firm need to rent or purchase any equipment for this contract? If yes, please specify details in an attached written response. Yes No

31. What equipment does your firm own that is available for this contract?

32. Provide at least three (3) individuals, corporations, agencies, or institutions for which your firm has completed work of a similar nature or in which your firm sold similar commodities in the past three (3) years. Contact persons shall have firsthand knowledge of the referenced project/contract. Only provide references for non-Broward County Board of County Commissioners contracts. For Broward County contracts, the County will review performance evaluations in its database for vendors with previous or current contracts with the County. The County considers references and performance evaluations in the evaluation of Vendor's past performance. If any of the following references are inaccessible or not relevant, additional references may be requested by the County.

Reference 1:

Scope of Work:

Contract/Project Title:

Agency:

Contact Name/Title:

Contact Telephone:

Email:

Contract/Project Dates (Month and Year):

Contract Amount:

Reference 2:

Scope of Work:

Contract/Project Title:

Agency:

Contact Name/Title:

Contact Telephone:

Email:

Contract/Project Dates (Month and Year):

Contract Amount:

Reference 3:

Scope of Work:

Contract/Project Title:

Agency:

Contact Name/Title:

Contact Telephone:

Email:

Contract/Project Dates (Month and Year):

Contract Amount:

1. Litigation History

- A. All Vendors are required to disclose to the County all “material” cases filed, pending, or resolved during the last three (3) years prior to the solicitation response due date, whether such cases were brought by or against the Vendor, any parent or subsidiary of the Vendor, or any predecessor organization. Additionally, all Vendors are required to disclose to the County all “material” cases filed, pending, or resolved against any principal of Vendor, regardless of whether the principal was associated with Vendor at the time of the “material” cases against the principal, during the last three (3) years prior to the solicitation response. A case is considered to be “material” if it relates, in whole or in part, to any of the following:
- i. A similar type of work that the vendor is seeking to perform for the County under the current solicitation;
 - ii. An allegation of fraud, negligence, error or omissions, or malpractice against the vendor or any of its principals or agents who would be performing work under the current solicitation;
 - iii. A vendor’s default, termination, suspension, failure to perform, or improper performance in connection with any contract;
 - iv. The financial condition of the vendor, including any bankruptcy petition (voluntary and involuntary) or receivership; or
 - v. A criminal proceeding or hearing concerning business-related offenses in which the vendor or its principals (including officers) were/are defendants.
- B. For each material case, the Vendor is required to provide all information identified in the **Litigation History Form**. Additionally, the Vendor shall provide a copy of any judgment or settlement of any material case during the last three (3) years prior to the solicitation response. Redactions of any confidential portions of the settlement agreement are only permitted upon a certification by Vendor that all redactions are required under the express terms of a pre-existing confidentiality agreement or provision.
- C. The County will consider a Vendor’s litigation history information in its review and determination of responsibility.
- D. If the Vendor is a joint venture, the information provided should encompass the joint venture and each of the entities forming the joint venture.
- E. A vendor is required to disclose to the County any and all cases(s) that exist between the County and any of the Vendor’s subcontractors/subconsultants proposed to work on this project during the last five (5) years prior to the solicitation response.
- F. Failure to disclose any material case, including all requested information in connection with each such case, as well as failure to disclose the Vendor’s subcontractors/subconsultants litigation history against the County, may result in the Vendor being deemed non-responsive.

LITIGATION HISTORY FORM

The completed form(s) should be returned with the Vendor’s submittal. If not provided with submittal, the Vendor must submit within three business days of County’s request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

There are no material cases for this Vendor; or

Material Case(s) are disclosed below:

<p>Is this for a: (check type)</p> <p><input type="checkbox"/> Parent, <input type="checkbox"/> Subsidiary, or</p> <p><input type="checkbox"/> Predecessor Firm?</p>	<p>If Yes, Name of Parent/Subsidiary/Predecessor: <input type="text"/></p> <p>or No <input type="checkbox"/></p>
<p>Party</p>	<p>Vendor is Plaintiff <input type="checkbox"/> Vendor is Defendant <input type="checkbox"/></p>
<p>Case Number, Name, and Date Filed</p>	<p><input type="text"/></p>
<p>Name of Court or other tribunal</p>	<p><input type="text"/></p>
<p>Type of Case</p>	<p>Bankruptcy <input type="checkbox"/> Civil <input type="checkbox"/> Criminal <input type="checkbox"/> Administrative/Regulatory <input type="checkbox"/></p>
<p>Claim or Cause of Action and Brief description of each Count</p>	<p><input type="text"/></p>
<p>Brief description of the Subject Matter and Project Involved</p>	<p><input type="text"/></p>
<p>Disposition of Case</p> <p>(Attach copy of any applicable Judgment, Settlement Agreement and Satisfaction of Judgment.)</p>	<p>Pending <input type="checkbox"/> Settled <input type="checkbox"/> Dismissed <input type="checkbox"/></p> <p>Judgment Vendor's Favor <input type="checkbox"/> Judgment Against Vendor <input type="checkbox"/></p> <p>If Judgment Against, is Judgment Satisfied? Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>Opposing Counsel</p>	<p>Name: <input type="text"/></p> <p>Email: <input type="text"/></p>

Telephone Number:

Vendor Name:

DOMESTIC PARTNERSHIP REQUIREMENTS CERTIFICATION FORM

The completed and signed form should be returned with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

The Domestic Partnership Act, Section 16 ½ -157, Broward County Code of Ordinances, as amended, requires all Vendors contracting with the County, in an amount over \$100,000 provide benefits to Domestic Partners of its employees, on the same basis as it provides benefits to employees spouses, with certain exceptions as provided by the Ordinance.

For all submittals over \$100,000.00, the Vendor, by virtue of the signature below, certifies that it is aware of the requirements of Broward County's Domestic Partnership Act, Section 16-½ -157, Broward County Code of Ordinances, as amended; and certifies the following: **(check only one below)**.

- 1. The Vendor currently complies with the requirements of the County's Domestic Partnership Act and provides benefits to Domestic Partners of its employees on the same basis as it provides benefits to employees' spouses.
- 2. The Vendor will comply with the requirements of the County's Domestic Partnership Act at time of contract award and provide benefits to Domestic Partners of its employees on the same basis as it provides benefits to employees' spouses.
- 3. The Vendor will not comply with the requirements of the County's Domestic Partnership Act at time of award.
- 4. The Vendor does not need to comply with the requirements of the County's Domestic Partnership Act at time of award because the following exception(s) applies: **(check only one below)**.
 - The Vendor employs less than five (5) employees.
 - The Vendor is a governmental entity, not-for-profit corporation, or charitable organization.
 - The Vendor is a religious organization, association, society, or non-profit charitable or educational institution.
 - The Vendor does not provide benefits to employees' spouses.
 - The Vendor provides an employee the cash equivalent of benefits. (Attach an affidavit in compliance with the Act stating the efforts taken to provide such benefits and the amount of the cash equivalent).
 - The Vendor cannot comply with the provisions of the Domestic Partnership Act because it would violate the laws, rules or regulations of federal or state law or would violate or be inconsistent with the terms or conditions of a grant or contract with the United States or State of Florida. Indicate the law, statute or regulation (State the law, statute or regulation and attach explanation of its applicability).

AUTHORIZED SIGNATURE/ NAME

TITLE

DATE

DRUG-FREE WORKPLACE REQUIREMENT CERTIFICATION FORM

The completed and signed form should be returned with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

Section 21.31.a. of the Broward County Procurement Code requires awards of all competitive solicitations requiring Board Award be made only to firms certifying the establishment of a drug free workplace.

The undersigned vendor hereby certifies that it will provide a drug-free workplace program by:

- (1) Publishing a statement notifying its employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the offeror's workplace, and specifying the actions that will be taken against employees for violations of such prohibition;
- (2) Establishing a continuing drug-free awareness program to inform its employees about:
 - i. The dangers of drug abuse in the workplace;
 - ii. The offeror's policy of maintaining a drug-free workplace;
 - iii. Any available drug counseling, rehabilitation, and employee assistance programs; and
 - iv. The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
- (3) Giving all employees engaged in performance of the contract a copy of the statement required by subparagraph (1);
- (4) Notifying all employees, in writing, of the statement required by subparagraph (1), that as a condition of employment on a covered contract, the employee shall:
 - i. Abide by the terms of the statement; and
 - ii. Notify the employer in writing of the employee's conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or of any state, for a violation occurring in the workplace NO later than five days after such conviction.
- (5) Notifying Broward County government in writing within 10 calendar days after receiving notice under subdivision (4) (ii) above, from an employee or otherwise receiving actual notice of such conviction. The notice shall include the position title of the employee;
- (6) Within 30 calendar days after receiving notice under subparagraph (4) of a conviction, taking one of the following actions with respect to an employee who is convicted of a drug abuse violation occurring in the workplace:
 - i. Taking appropriate personnel action against such employee, up to and including termination; or
 - ii. Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a federal, state, or local health, law enforcement, or other appropriate agency; and
- (7) Making a good faith effort to maintain a drug-free workplace program through implementation of subparagraphs (1) through (6).

AUTHORIZED SIGNATURE/ NAME

TITLE

DATE

SUBCONTRACTORS/SUBCONSULTANTS/SUPPLIERS REQUIREMENT FORM


The completed and signed form(s) should be returned with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

- A. The Vendor shall submit a listing of all subcontractors, subconsultants and major material suppliers (firms), if any, and the portion of the contract they will perform. A major material supplier is considered any firm that provides construction material for construction contracts, or commodities for service contracts in excess of \$50,000, to the Vendor.
- B. If participation goals apply to the contract, only non-certified firms shall be identified on the form. A non-certified firm is a firm that is not listed as a firm for attainment of participation goals (ex. County Business Enterprise or Disadvantaged Business Enterprise), if applicable to the solicitation.
- C. This list shall be kept up-to-date for the duration of the contract. If subcontractors, subconsultants or suppliers are stated, this does not relieve the Vendor from the prime responsibility of full and complete satisfactory performance under any awarded contract.
- D. After completion of the contract/final payment, the Vendor shall certify the final list of non-certified subcontractors, subconsultants, and suppliers that performed or provided services to the County for the referenced contract.
- E. The Vendor has confirmed that none of the recommended subcontractors, subconsultants, or suppliers' principal(s), officer(s), affiliate(s) or any other related companies have been debarred from doing business with Broward County or any other governmental agency.

If none, state "none" on this form. Use additional sheets as needed. Vendor should scan and upload any additional form(s) in Periscope S2G.

 bold

1. Subcontracted Firm's Name:

 line separating sections

Subcontracted Firm's Address:

Subcontracted Firm's Telephone Number:

Contact Person's Name and Position:

Contact Person's E-Mail Address:

Estimated Subcontract/Supplies Contract Amount:

Type of Work/Supplies Provided:

 bold line separating sections

2. Subcontracted Firm's Name:

Subcontracted Firm's Address:

Subcontracted Firm's Telephone Number:

Contact Person's Name and Position:

Contact Person's E-Mail Address:

Estimated Subcontract/Supplies Contract Amount:

Type of Work/Supplies Provided:

3. Subcontracted Firm's Name:

Subcontracted Firm's Address:

Subcontracted Firm's Telephone Number:

Contact Person's Name and Position:

Contact Person's E-Mail Address:

Estimated Subcontract/Supplies Contract Amount:

Type of Work/Supplies Provided:

 bold

4. Subcontracted Firm's Name:

seperating
sections

Subcontracted Firm's Address:

Subcontracted Firm's Telephone Number:

Contact Person's Name and Position:

Contact Person's E-Mail Address:

Estimated Subcontract/Supplies Contract Amount:

Type of Work/Supplies Provided:

I certify that the information submitted in this report is in fact true and correct to the best of my knowledge.

Authorized Signature/Name

Title

Vendor Name

Date

SCRUTINIZED COMPANIES LIST REQUIREMENT CERTIFICATION FORM

The completed and signed form(s) should be returned with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

Any company, principals, or owners on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List is prohibited from submitting a response to a solicitation for goods or services in an amount equal to or greater than \$1 million.

The Vendor, by virtue of the signature below, certifies that:

- a. The Vendor, owners, or principals are aware of the requirements of Sections 287.135, 215.473, and 215.4725 Florida Statutes, regarding Companies on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List; and
- b. The Vendor, owners, or principals, are eligible to participate in this solicitation and are not listed on either the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List; and
- c. If awarded the Contract, the Vendor, owners, or principals will immediately notify the County in writing if any of its principals are placed on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List.

**Authorized
Signature/Name**

Title

Vendor Name

Date

TRENCH SAFETY ACT REQUIREMENT FORM

The completed and signed form(s) should be returned with the Vendor's submittal. If not provided with submittal, the Vendor must submit within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes.

Florida Trench Safety Act, Section 553.60, Florida Statutes, incorporates the Occupational Safety & Health Administration (OSHA) excavation safety standards, 29 C.F.R Section 1926.650, as Florida's own standards. The Trench Safety Act will apply to any individual project that has trenches in excess of 5 feet deep.

The Vendor, by virtue of the solicitation submission, affirms that the Vendor is aware of this Act, and will comply with all applicable trench safety standards, including any special shoring requirements, if applicable. Such assurance shall be legally binding on all persons employed by the Vendor and subcontractors.

The Vendor is also obligated to identify the anticipated method and cost of compliance with the applicable trench safety standards. The Vendor further identified the costs and methods summarized below: (fill in either Open-End or Fixed Contract section)

Open-end Contract:

Description	Unit of Measure	Unit Price	Method
Special Shoring, if applicable:	SQ. FT.		

Fixed Contract:

Description	Unit of Measure	Quantity	Unit Price	Ext. Price	Method
Special Shoring, if applicable:	SQ. FT.		Unit Price		Method
				Total \$	

Authorized Signature/Name	Title	Vendor Name	Date

LOCATION CERTIFICATION FORM

Refer to applicable sections for submittal instructions. Failure to submit required forms or information by stated timeframes will deem vendor ineligible for local preference or location tiebreaker.

Broward County Code of Ordinances, Section 1-74, et seq., provides certain preferences to Local Businesses, Locally Based Businesses, and Locally Based Subsidiaries, and the Broward County Procurement Code provides location as the first tiebreaker criteria. Refer to the ordinance for additional information regarding eligibility for local preference.

For Invitation for Bids:

To be eligible for the Local Preference best and final offer (“BAFO”) and location tiebreaker, the Vendor **must** submit this fully completed form and a copy of its Broward County local business tax receipt **at the same time it submits its bid. Vendors who fail to comply with this submittal deadline will not be eligible for either the BAFO or the location tiebreaker.**

For Request for Proposals (RFPs), Request for Letters of Interest (RLIs), or Request for Qualifications (RFQs):

For Local Preference eligibility, the Vendor **should** submit this fully **completed form and all Required Supporting Documentation** (as indicated below) at the time Vendor submits its response to the procurement solicitation. If not provided with submittal, the Vendor **must** submit within three business days after County’s written request. Failure to submit required forms or information by stated timeframes will deem the Vendor ineligible for local preference.

To be eligible for the location tiebreaker, **the Vendor must submit this fully completed form and a copy of its Broward County local business tax receipt at the same time it submits its response.** Vendors who fail to comply with this submittal deadline will not be eligible for the location tiebreaker.

The undersigned Vendor hereby certifies that (check the box for only one option below):

- Option 1:** The Vendor is a **Local Business**, but does not qualify as a **Locally Based Business** or a **Locally Based Subsidiary**, as each term is defined by Section 1-74, Broward County Code of Ordinances. The Vendor further certifies that:
- A. It has continuously maintained, for at least the one (1) year period immediately preceding the bid posting date (i.e., the date on which the solicitation was advertised),
 - i. a physical business address located within the limits of Broward County, listed on the Vendor’s valid business tax receipt issued by Broward County (unless exempt from business tax receipt requirements),
 - ii. in an area zoned for the conduct of such business,
 - iii. that the Vendor owns or has the legal right to use, and
 - iv. from which the Vendor operates and performs on a day-to-day basis business that is a substantial component of the goods or services being offered to Broward County in connection with the applicable competitive solicitation (as so defined, the “Local Business Location”).

If Option 1 selected, indicate **Local Business Location**:

- Option 2:** The Vendor is both a **Local Business** and a **Locally Based Business** as each term is defined by Section 1-74, Broward County Code of Ordinances. The Vendor further certifies that:
- A. The Vendor has continuously maintained, for at least the one (1) year period immediately preceding the bid posting date (i.e., the date on which the solicitation was advertised),
 - i. a physical business address located within the limits of Broward County, listed on the Vendor's valid business tax receipt issued by Broward County (unless exempt from business tax receipt requirements),
 - ii. in an area zoned for the conduct of such business,
 - iii. that the Vendor owns or has the legal right to use, and
 - iv. from which the Vendor operates and performs on a day-to-day basis business that is a substantial component of the goods or services being offered to Broward County in connection with the applicable competitive solicitation as so defined, the "Local Business Location";
 - B. The Local Business Location is the primary business address of the majority of the Vendor's employees as of the bid posting date, and/or the majority of the work under the solicitation, if awarded to the Vendor, will be performed by employees of the Vendor whose primary business address is the Local Business Location;
 - C. The Vendor's management directs, controls, and coordinates all or substantially all of the day-to-day activities of the entity (such as marketing, finance, accounting, human resources, payroll, and operations) from the Local Business Location;
 - D. The Vendor has not claimed any other location as its principal place of business within the one (1) year period immediately preceding the bid posting date; and
 - E. Less than fifty percent (50%) of the total equity interests in the business are owned, directly or indirectly, by one or more entities with a principal place of business located outside of Broward County. The Vendor certifies that the total equity interests in the Vendor owned, directly or indirectly, by one or more entities with a principal place of business located outside of Broward County is .

If Option 2 selected, indicate **Local Business Location**:

- Option 3:** The Vendor is both a **Local Business** and a **Locally Based Subsidiary** as each term is defined by Section 1-74, Broward County Code of Ordinances. The Vendor further certifies that:
- A. The Vendor has continuously maintained:
 - i. for at least the one (1) year period immediately preceding the bid posting date (i.e., the date on which the solicitation was advertised),

- ii. a physical business address located within the limits of Broward County, listed on the Vendor's valid business tax receipt issued by Broward County (unless exempt from business tax receipt requirements),
 - iii. in an area zoned for the conduct of such business,
 - iv. that the Vendor owns or has the legal right to use, and
 - v. from which the Vendor operates and performs on a day-to-day basis business that is a substantial component of the goods or services being offered to Broward County in connection with the applicable competitive solicitation (as so defined, the "Local Business Location");
- B. The Local Business Location is the primary business address of the majority of the Vendor's employees as of the bid posting date, and/or the majority of the work under the solicitation, if awarded to the Vendor, will be performed by employees of the Vendor whose primary business address is the Local Business Location;
- C. The Vendor's management directs, controls, and coordinates all or substantially all of the day-to-day activities of the entity (such as marketing, finance, accounting, human resources, payroll, and operations) from the Local Business Location;
- D. The Vendor has not claimed any other location as its principal place of business within the one (1) year period immediately preceding the bid posting date; and
- E. At least fifty percent (50%) of the total equity interests in the business are owned, directly or indirectly, by one or more entities with a principal place of business located outside of Broward County. The Vendor certifies that the total equity interests in the Vendor owned, directly or indirectly, by one or more entities with a principal place of business located outside of Broward County is .

If Option 3 selected, indicate **Local Business Location**:

- Option 4:** The Vendor is a **joint venture** composed of one or more Local Businesses, Locally Based Businesses, or Locally Based Subsidiaries, as each term is defined by Section 1-74, Broward County Code of Ordinances. Fill in blanks with percentage equity interest or list "N/A" if section does not apply. The Vendor further certifies that:
- A. The proportion of equity interests in the joint venture owned by **Local Business(es)** (each Local Business must comply with all of the requirements stated in Option 1) is % of the total equity interests in the joint venture; and/or
 - B. The proportion of equity interests in the joint venture owned by **Locally Based Business(es)** (each Locally Based Business must comply with all of the requirements stated in Option 2) is % of the total equity interests in the joint venture; and/or
 - C. The proportion of equity interests in the joint venture owned by **Locally Based Subsidiary(ies)** (each Locally Based Subsidiary must comply with all of the requirements stated in Option 3) is % of the total equity interests in the joint venture.

If Option 4 selected, indicate the Local Business Location(s) (es) on separate sheet.

- Option 5:** Vendor is not a Local Business, a Locally Based Business, or a Locally Based Subsidiary, as each term is defined by Section 1-74, Broward County Code of Ordinances.

Required Supporting Documentation (in addition to this form):

Option 1 or 2 (**Local Business** or **Locally Based Business**):

1. Broward County local business tax receipt.

Option 3 (**Locally Based Subsidiary**)

1. Broward County local business tax receipt.
2. Documentation identifying the Vendor's vertical corporate organization and names of parent entities if the Vendor is a Locally Based Subsidiary.

Option 4 (**joint venture** composed of one or more Local Business(es), Locally Based Business(es), or Locally Based Subsidiary(ies):

1. Broward County local business tax receipt(s) for each Local Business(es), Locally Based Business(es), and/or Locally Based Subsidiary(ies).
2. Executed joint venture agreement, if the Vendor is a joint venture.
3. If joint venture is comprised of one or more Locally Based Subsidiary(ies), submit documentation identifying the vertical corporate organization and parent entities name(s) of each Locally Based Subsidiary.

If requested by County (any option):

1. Written proof of the Vendor's ownership or right to use the real property at the Local Business Location.
2. Additional documentation relating to the parent entities of the Vendor.
3. Additional documentation demonstrating the applicable percentage of equity interests in the joint venture, if not shown in the joint venture agreement.
4. Any other documentation requested by County regarding the location from which the activities of the Vendor are directed, controlled, and coordinated.

By submitting this form, the Vendor certifies that if awarded a contract, it is the intent of the Vendor to remain at the Local Business Location address listed below (or another qualifying Local Business Location within Broward County) for the duration of the contract term, including any renewals or extensions. (If nonlocal Vendor, leave Local Business Location blank.)

Indicate Local Business Location:

True and Correct Attestations:

Any misleading, inaccurate, or false information or documentation submitted by any party affiliated with this procurement may lead to suspension and/or debarment from doing business with Broward County as authorized by the Broward County Procurement Code. The Vendor understands that, if after contract award, the County learns that any of the information provided by the Vendor on this form was false, and the County determines, upon investigation, that the Vendor's provision of such false information was willful or intentional, the County may exercise any contractual right to terminate the contract. The provision of false or fraudulent information or documentation by a Vendor may subject the Vendor to civil and criminal penalties.

AUTHORIZED SIGNATURE/NAME:

TITLE:

VENDOR NAME:

DATE:

Bid Guaranty, Performance and Payment Guaranties, and Qualifications of Surety Requirements:

- A. **Bid Guaranty:** All solicitation submittals shall be accompanied by a bid bond executed by a surety company meeting the Qualifications of Surety Requirements. Failure to submit a bid guaranty by solicitation due date and time, and in accordance with instructions will deem Vendor non-responsive. A copy of the County-approved **Bid Bond Form** may be found at: www.broward.org/Purchasing/Pages/StandardTerms.aspx, under the section "Standard Guaranty and Bond Forms".
1. In lieu of the bid bond, the following will be acceptable: cash, money order, certified check, cashier's check, an original **Bid Guaranty – Unconditional Letter of Credit**, treasurer's check or bank draft of any national or state bank (United States). A personal check or a company check of a Vendor is not a valid bid guaranty.
 2. The bid guaranty shall be in an amount equal to five percent (5%) of the total price offered, payable to the Board of County Commissioners and conditioned upon the successful Vendor providing the Performance and Payment Guaranty, evidence of insurance, or any other requirements set forth within the solicitation, within 15 calendar days after notification of award of the contract.
 3. Guaranty of the successful Vendor shall be forfeited to the Board of County Commissioners not as a penalty, but as liquidated damages for the cost and expense incurred should said Vendor fail to provide the required Performance and Payment Guaranty or Certificate of Insurance or fail to comply with any other requirements set forth in the solicitation. Upon request, bid guaranties of unsuccessful vendors will be returned after award of contract or expiration of bid validity.
 4. Vendors must either submit an electronic bid bond through BidSync or submit an original bid guaranty to the Purchasing Division, by solicitation due date and time, or Vendor may be deemed non-responsive.
 - a. To submit an electronic bid bond, Vendor must submit through BidSync, using **Surety 2000**. The Vendor should copy and paste the information from Bid Sync and provide to the bonding agent; the bonding agent should copy and paste information provided by Vendor into the Surety 2000 system to reduce errors. An original bid bond will not be required when the bid bond is submitted electronically through Surety 2000. Note – Vendors, bonding agents, and surety companies must be registered with Surety 2000 to use the service; contact **Surety 2000** to find out information regarding their service. Broward County's vendor identification number for Surety 2000 is P06145037.
 - b. To submit an original bid guaranty, in lieu of submitting an electronic bid bond through BidSync, Vendor must submit an original bid guaranty in a sealed envelope, with the solicitation number, solicitation title, date and the time of bid opening, and address listed on the envelope. A copy of the bid guaranty should also be uploaded into Bid Sync; this does not replace the requirement to have an original bid guaranty. Vendors must submit the original bid guaranty, by the solicitation due date and time, to:

Broward County Purchasing Division
115 South Andrews Avenue, Room 212
Fort Lauderdale, FL 33301

- B. **Performance and Payment Guaranties:** within 15 calendar days of being notified of the award of contract, Vendor shall furnish the referenced Performance Bond and a Payment Bond containing all the provisions of the [Performance Bond Form](#) and [Payment Bond Form](#).
1. The bonds shall be in the amount of Twenty-Five percent (25%) of the contract amount guaranteeing to County the completion and performance of the work covered in such Contract as well as full payment of all suppliers, material men, laborers, or subcontractors employed pursuant to this project. Such bond(s) shall be with a surety company which is qualified pursuant to the section, Qualifications of Surety.
 2. Each bond shall continue in effect for one year after completion and acceptance of the work with liability equal to one hundred percent (100%) of the Contract price, or an additional bond shall be conditioned that the Vendor will upon notification by the County, correct any defective or faulty work or materials which appear within one year after completion of the Contract.
 3. Pursuant to the requirements of Section 255.05(1), Florida Statutes, Vendor shall ensure that the bonds referenced above shall be recorded in the public records of Broward County and provide County with evidence of such recording.
 4. In lieu of the performance and payment bond, Vendor may furnish an alternate form of security which may be in the form of cash, money order, certified check, cashier's check or an original [Irrevocable Letter of Credit](#). Such alternate forms of security shall be for the same purpose and shall be subject to the same conditions as those applicable above and shall be held by the County for one year after completion and acceptance of the work.
 5. The Vendor is required at all times to have valid Performance and Payment Guaranties (or other approved security) in force covering the work being performed.
 6. The Vendor agrees to keep such Guaranties (or other security) in effect for the duration of the contract. If the contract is extended or renewed, it shall be subject to the same bonding (or other approved security) requirements.
- C. **Qualifications of Surety Requirements:** A bid bond performance bond, and payment bond must be executed by a surety company of recognized standing, authorized to do business in the State of Florida, having a resident agent in the State of Florida, and having been in business with a record of successful continuous operation for at least five years.
1. In addition to the above-minimum qualifications, the surety company must meet at least one of the following additional qualifications:
 - a. The surety company shall hold a current Certificate of Authority as acceptable surety on federal bonds in accordance with the United States Department of Treasury Circular 570, current revision. If the amount of the Bond exceeds the underwriting limitation set forth in the circular, in order to qualify, the net retention of the surety company shall not exceed the underwriting limitation in the circular and the excess risks must be protected by coinsurance, reinsurance, or other methods in accordance with Treasury Circular 297, Revised (31 DFR Section 223.10 Section 223.11). Further, the surety company shall provide the County with evidence satisfactory to the County, that such excess risk has been protected in an acceptable manner.
 - b. For bonds up to \$2 million, the surety company shall hold a current Certificate of

Authority with the Florida Office of Insurance Regulation.

- c. The surety company shall have at least the following minimum ratings:

Amount of Bond		Surety Ratings	Financial Size Category
\$500,001	to \$1,000,000	A, A-	Class I
\$1,000,001	to \$2,000,000	A, A-	Class II
\$2,000,001	to \$5,000,000	A	Class III
\$5,000,001	to \$10,000,000	A	Class IV
\$10,000,001	to \$25,000,000	A	Class V
\$25,000,001	to \$50,000,000	A	Class VI
\$50,000,001	to or more	A	Class VII

2. For projects which do not exceed \$500,000, the County shall accept a Bid Bond and Performance and Payment Bond from a surety company which has twice the minimum surplus and capital required by the Florida Office of Insurance Regulation at the time the solicitation is issued, if the surety company is otherwise in compliance with the provisions of the Florida Insurance Code, and if the surety company holds a currently valid Certificate of Authority issued by the United States Department of the Treasury under Section 9304 to 9308 of Title 31 of the United States Code.
3. If the surety company fails to meet the minimum standards, a bond from a surety that meets the minimum standards must be provided to satisfy the bonding requirements.

Security Requirements

A. General Security Requirements and Criminal Background Screening:

1. All contractor and sub-contractor personnel requiring unescorted access to Broward County facilities must obtain a County issued contractor identification badge (contractor ID badge); except as specifically stated herein.
2. The background screening requirements for obtaining a contractor ID badge will depend on the facility to which unescorted access is being requested. Contract Administrators or designees and contractors may contact Broward County Security at (954) 357-6000 or FMsecurity@broward.org for the required background screening requirements associated with access to specific facilities. Contract Administrators will communicate all current and appropriate requirements to the contractor and sub-contractor throughout the contract period.

B. General Facilities:

1. Contractor and sub-contractor personnel servicing and requiring unescorted access to General Facilities must have a County issued contractor ID badge (contractor ID badge) which will be the responsibility of the contractor to obtain. Depending upon the request, the badge may carry electronic access privileges. The badge must be visible and worn at all times together with the contractor's company/business contractor ID badge. Similar to employee security/ID badges, requests for contractor ID badges are initially approved by the requesting agency director or designee and then submitted to Facilities Management Division (FMD) Security for final approval.
2. The issuance of a contractor ID badge for unescorted access to General Facilities requires a "Level 1" FDLE background check, which can be conducted by the Florida Department of Law Enforcement (FDLE). This "Level 1" FDLE background check is the contractor's responsibility and should be included in the bid price. FDLE background checks can be done by the contractor by phone at (850) 410-8109 or online at <https://web.fdle.state.fl.us/search/app/default>
3. Upon completion of the background check, the contractor must attach a copy of the results to the contractor's application for a contractor ID badge. The Project Manager or designee utilizing the service of the contractor will be the "Sponsor" and will either provide the contractor with a Contractor ID Badge Request Form or assist the contractor in completing an on-line application for the County issued contractor ID badge.
4. Requests for a contractor ID badge requiring an FDLE background check may require lengthy processing and review by the Broward Sheriff's Office (BSO). Contractors and subcontractors must therefore submit the request to Broward County Security at least two (2) weeks prior to the start of service by the contractor. When identification badges are ready, Broward County Security will contact the contractor to arrange pick up. Upon pick up, the applicant must present a valid Florida identification and must be accompanied by his or her supervisor. Broward County Security will then supply contractor ID badge valid for the anticipated period within which the work will be performed. The validity period must be clearly stated on the Contractor ID Badge Request Form; however, the period of validity will not exceed one (1) year. Background checks will be required for renewal of contractor ID badge. At the termination of the contract and separation of employee services, the contractor is responsible for the collection and return of all contractor ID badge to the Project Manager and/or to Broward County Security.
5. Compliance with the County's security requirements is part of the overall contract performance evaluation. Final payment will, in part, be contingent on the return of all contractor ID badges issued to contractor personnel.
6. Broward County Security is located at Governmental Center East, 115 South Andrews Avenue Fort Lauderdale, FL 33301. Telephone (954) 357-6000.
7. All contractors must wear distinctive and neat appearing uniforms with vendor's company name. Sub-contractor personnel must also have Broward County issued contractor IDs
and meet the same security requirements and uniform standards as the primary contractor.
8. Contractors will not be allowed unescorted on the job site without proper County issued contractor ID badges.

C. Facilities Critical to Security and Public Safety:

Many Broward County government facilities will have areas designated as critical to security and public safety, pursuant to Broward County Ordinance 2003-08 Sections 26-121 and 26- 122, as may be amended. The issuance of a contractor ID badge for unescorted access to facilities critical to security and public safety may entail a comprehensive statewide and national background check. Unescorted access to certain facilities occupied by the Broward Sheriff's Office (BSO) and the State Attorney's Office will require a national fingerprint-based records check per the Criminal Justice Information System (CJIS) policy.

A contractor employee found to have a criminal record consisting of felony conviction(s) shall be disqualified from access to the State Attorney's Offices and certain BSO facilities. A contractor employee with a record of misdemeanor offense(s) may be granted access if the System Security Officer (CSO), Terminal Access Coordinator (TAC), and FDLE determines that the nature of the offense(s) do not warrant disqualification. Applicants shall also be disqualified on the basis of confirmations that arrest warrants are outstanding for such applicants.

D. Contractor Work Crews:

Background investigations are generally not required for each member of a contractor work crew working on county premises and outside a building or structure. Examples are landscape crews and roofers. If it is necessary to enter the building or structure unescorted, these work crew members should obtain a contractor ID badge. If not, work crew members must be escorted at all times by the project manager, or designee, and must be under the direct supervision of a foreperson for the contractor. The foreperson must be aware of the crew members' whereabouts, has completed the appropriate background check for the location and type of work being undertaken, and has been issued and is displaying a contractor ID badge.

All members of a night cleaning crew must complete a background investigation appropriate to the requirements of the facility and so should all work crew members not escorted when working at a critical county facility.

Notwithstanding, the using agency is best positioned and suited to determine the safeguards and requirements that should be in place to manage the risks and consequences associated with the roles and activities of contractor, subcontractor, and work crews, when requesting a contractor ID badge. The agency is aware of the characteristics of the client population being served by the classes of persons, the need to safeguard high-value assets, and the requirement to comply with all statutory requirements governing background investigations.

E. Other Vendors:

Consultants, delivery personnel, and vending machine operators, without a County issued contractor badge, may obtain a Visitor pass and should be escorted by County personnel when accessing and working in designated non-public and employee work areas at both general facilities and facilities critical to security and public safety.

F. Port Everglades Locations:

1. The Port Everglades Department requires persons to present, at port entry, a valid driver's license, and valid reason for wishing to be granted port access in order to obtain a temporary/visitor ID badge. For persons who will visit the Port more than 15 times in a 90 day period, a permanent identification badge must be obtained and paid for by the contractor for all employees, subcontractors, agents and servants visiting or working on

the port project. A restricted access badge application process will include fingerprints and a comprehensive background check. Badges must be renewed annually and the fees paid pursuant to Broward County Administrative Code, Section 42.6. For further information, please call 954-765-4225.

2. All vehicles that are used regularly on the dock apron must have a Dockside Parking Permit. Only a limited number of permits will be issued per business entity. The fee is \$100.00 per permit/vehicle. Individuals requesting a permit must possess a valid Port- issued Restricted Access Area badge with a "Dock" destination. Requests for Dockside Parking Permits must be submitted in writing, on company letterhead, to the ID Badge Office. Applicants must demonstrate a need for access to the dock apron. Requests shall be investigated, and approved, if appropriate justification is provided. Supporting documentation must be supplied, if requested. Dock permits are not transferable and must be affixed to the lower left corner of the permitted vehicle's windshield. Should the permit holder wish to transfer the permit to another vehicle during the term of issuance, the permit will be removed and exchanged at no charge for a new permit. Only one business entity representative will be permitted on the dock at a time at the vessel location.
3. The Federal Government has instituted requirements for a Transportation Worker Identification Credential (TWIC) for all personnel requiring unescorted access to designated secure areas within Port Everglades. The contractor will be responsible for complying with the applicable TWIC requirements. For further information, please call 1-855-347-8371, or go on line to <https://www.tsa.gov/for-industry/twic>.

G. Airport Security Program and Aviation Regulations:

1. Consultant/contractor shall observe all security requirements and other requirements of the Federal Aviation Regulations applicable to Consultant/contractor, including without limitation, all regulations of the United States Department of Transportation, the Federal Aviation

Administration and the Transportation Security Administration. Consultant/contractor also agrees to comply with the County's Airport Security Program and the Restricted Area ("RA") Vehicle Access Program, and any amendments thereto, and to comply with such other rules and regulations as may be reasonably prescribed by the County, including any regulations pertaining to emergency response training, and to take such steps as may be necessary or directed by the County to insure that sub consultants/subcontractors, employees, invitees and guests of Consultant/contractor observe these requirements. If required by the Aviation Department, Consultant/contractor shall conduct background checks of its employees in accordance with applicable Federal Regulations. If as a result of the acts or omissions of Consultant/contractor, its sub consultants/subcontractors, employees, invitees or guests, the County incurs any fines and/or penalties imposed by any governmental agency, including without limitation, the United States Department of Transportation, the Federal Aviation Administration or the Transportation Security Administration, or any expense in enforcing any Federal regulations, including without limitation, airport security regulations, or the rules or regulations of the County, and/or any expense in enforcing the County's Airport Security Program, then Consultant/contractor agrees to pay and/or reimburse to County all such costs and expenses, including all costs of administrative proceedings, court costs, and attorney's fees and all costs incurred by County in enforcing this provision. Consultant/contractor further agrees to rectify any security deficiency or other deficiency as may be determined as such by the County or the United States Department of Transportation, Federal Aviation Administration, the Transportation Security Administration, or any other Federal agency with jurisdiction. In the event Consultant/contractor fails to remedy any such deficiency, the County may do so at the sole cost and expense of Consultant/contractor. The County reserves the right to take whatever action is necessary to rectify any security deficiency or other deficiency.

- a) Access to Security Identification Display Areas and Identification Media. Consultant/contractor shall be responsible for requesting the Aviation Department to issue Airport Issued Identification Media to all employees who are authorized access to Security Identification Display Areas ("SIDA") on the Airport, as designated in the Airport Security Program. In addition, consultant/contractor shall be responsible for the immediate reporting of all lost or stolen Airport Issued Identification Media and the immediate return of the media of consultant/contractor's personnel transferred from the Airport, or terminated from the employ of the consultant/contractor, or upon termination of this Agreement. Before an Airport Issued Identification Media is issued to an employee, consultant/contractor shall comply with the requirements of applicable Federal regulations with regard to fingerprinting for criminal history record checks and security threat assessments, and shall require that each employee complete security training programs conducted by the Aviation Department. The consultant/contractor shall pay or cause to be paid to the Aviation Department such charges as may be established from time to time for lost or stolen Airport Issued Identification Media and those not returned to the Aviation Department in accordance with these provisions. The Aviation Department shall have the right to require the consultant/contractor to conduct background investigations and to furnish certain data on such employees before the issuance of Airport Issued Identification Media, which data may include the fingerprinting of employee applicants for such media.
- b) Operation of Vehicles on the RA: Before the consultant/contractor shall permit any employee of consultant/contractor or of any subconsultant/subcontractor to operate a motor vehicle of any kind or type on the RA (and unless escorted by an Aviation Department approved escort), the consultant/contractor shall ensure that all such vehicle operators possess current, valid, and appropriate Florida driver's licenses. In addition, any motor vehicles and equipment of consultant/contractor or of any subconsultant/subcontractor operating on the RA must have an appropriate vehicle identification permit issued by the Aviation Department, which identification must be displayed as required by the Aviation Department.
- c) Consent to Search/Inspection: The consultant/contractor agrees that its personnel, vehicles, cargo, goods and other personal property are subject to being inspected and searched when attempting to enter or leave and while on the RA. The consultant/contractor further agrees on behalf of itself and its subconsultant/subcontractors, that it shall not authorize any employee or other person to enter the RA unless and until such employee or other person has executed a written

consent-to-search/inspection form acceptable to the Aviation Department. Consultant/contractor acknowledges and understands that the foregoing requirements are for the protection of users of the Airport and are intended to reduce incidents of cargo tampering, aircraft sabotage, thefts and other unlawful activities at the Airport. For this reason, consultant/contractor agrees that persons not executing such consent-to-search/inspection form shall not be employed by the consultant/contractor or by any sub consultant/subcontractor at the Airport in any position requiring access to the RA or allowed entry to the RA by the consultant/contractor or by any sub consultant/subcontractor.

- d) Consultant/contractor understands and agrees that if any of its employees, or the employees of any of its sub consultants/subcontractors, are required in the course of the work to be performed under this Agreement to access or otherwise be in contact with Sensitive Security Information ("SSI") as defined and construed under Federal law, that individual will be required to execute a Sensitive Security Information Non-Disclosure Agreement promulgated by the Aviation Department.
- e) The provisions hereof shall survive the expiration or any other termination of this Agreement.

H. Water and Wastewater Services (WWS):

1. Contractors/Consultants may receive a WWS ID Badge and/or Access Card and/or Keys while working at WWS facility work sites. These items provide modified access to certain areas and systems otherwise restricted to non-WWS employees and can only be obtained from the WWS Security Manager. These items may be rescinded at the discretion of the WWS Security Officer. The WWS ID Badge, Access Card and/or Keys remain the property of Broward County and must be returned to your WWS contact person at the end of the contract/project.
2. All contractors will complete and sign the WWS Contractor/Consultant Security Memorandum and provide a copy of their Driver's License to be recorded on Schlage Card Access System Profile.
3. A lost or stolen ID Badge and/or Access Card and/or Keys must be reported to the Security Manager immediately.
4. WWS may terminate access to any contractor who acts inappropriately while on County property and has the right to contact BSO if necessary to have the contractor removed and/or file charges against them.

I. Additional Security Requirements for Parks and Recreation:

1. Contractor expressly understands and agrees that a duty is hereby created under this Contract that requires contractor to provide ongoing disclosure throughout the term of this Contract as provided for herein relative to the criminal background screening required by this Section.
2. Contractor shall perform criminal background screening as identified in Item 3 below on its officers, employees, agents, independent contractors and volunteers who will be working under this contract in any County park ("collectively referred to as "County Park Property"). Further, if contractor is permitted to utilize subcontractors under this contract, contractor shall perform or ensure that the background screening as required in Item 3 below is conducted on any permitted subcontractor, which term includes the subcontractor's officers, employees, agents, independent contractors and volunteers who will be working under this contract on County Park property.
3. Contractor shall not permit any person who is listed as a sexual predator or sexual offender on the Florida Department of Law Enforcement, Sexual Offenders and Predators Website or the United States Department of Justice, National Sex Offender Public Website, to provide any services for contractor on County Park Property. All persons subject to the criminal background screening under this contract shall be rescreened annually based on the date of initial screening.
4. Contractor shall maintain copies of the results of the criminal background screening required by this Section for the term of this contract and promptly forward copies of same to County, upon its request.
5. Contractor shall be required to furnish to County's Parks and Recreation Project Manager, on a monthly basis, an Affidavit affirming the persons listed in the Affidavit have been background screened as required in Item 3 above and have been deemed eligible by contractor to work on County Park property. Contractor's monthly Affidavit shall update information from the previous Affidavit by reconfirming the status of persons who have previously been deemed eligible as provided for above and updating the list, when applicable, to specifically identify new persons providing services for contractor under this Contract who have been background screened as required in Item 3 above and deemed eligible to work on

- County Park Property. The Contract Administrator may, in his or her discretion, permit contractor to furnish the monthly Affidavit in an electronic format.
6. In the event contractor obtains, or is provided, supplemental criminal background information, including police reports and arrest information, which potentially disqualifies a person previously deemed eligible by contractor to provide services under this contract, contractor shall take immediate action to review the matter; however, during such review time and until a determination of eligibility is made by contractor based on the requirements of this Section, contractor shall immediately cease allowing the person to work on County Park Property. Additionally, contractor shall be required to inform any person background screened pursuant to this Section who is providing services under this contract, to notify contractor within forty-eight (48) hours of any arrest related to sexual misconduct which has occurred after the person was deemed eligible to work on County Park Property.
 7. Contractor shall, by written contract, require its permitted subcontractors to agree to the requirements and obligations of this Section.
 8. County may terminate this contract immediately for cause, with Notice provided to contractor, for a violation related to contractor's failure to perform the required background screening on its officers, employees, agents, independent contractors and volunteers who will be working under this Agreement on County Park Property. County may also terminate this contract immediately for cause, with Notice provided to contractor, if County determines contractor failed to ensure that its permitted subcontractors, as defined in Item 2 above, have been background screened as required in this section prior to performing any services under this Agreement on County Park Property. Contractor will not be subject to immediate termination in the event County determines a violation of this Section was outside the reasonable control of contractor and contractor has demonstrated to County compliance with the requirements of this Section.
 9. County may terminate this contract for cause if contractor fails to provide the monthly Affidavit to County as provided for under Item 5 above, and contractor does not cure said breach within five (5) days of Notice provided to contractor.

"General Decision Number: FL20210107 01/01/2021

Superseded General Decision Number: FL20200107

State: Florida

Construction Type: Heavy

County: Broward County in Florida.

HEAVY CONSTRUCTION PROJECTS (Including Sewer and Water Lines)

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.95 for calendar year 2021 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.95 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2021. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/01/2021

ELEC0728-006 09/01/2020

	Rates	Fringes
ELECTRICIAN.....	\$ 33.53	12.72

ENGI0487-014 07/01/2013

	Rates	Fringes
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OPERATOR: Crane
 All Tower Cranes Mobile,
 Rail, Climbers, Static-
 Mount; All Cranes with
 Boom Length 150 Feet &
 Over (With or without jib)
 Friction, Hydraulic,
 Electric or Otherwise;
 Cranes 150 Tons & Over;
 Cranes with 3 Drums (When
 3rd drum is rigged for

Broward County Board of
County Commissioners

Bid PNC2122386B1

work); Gantry & Overhead Cranes; Hydraulic Cranes Over 25 Tons but not more than 50 Tons; Hydraulic/Friction Cranes; & All Types of Flying Cranes; Boom Truck.....	\$ 29.05	8.80
Cranes with Boom Length Less than 150 Feet (With or without jib); Hydraulic Cranes 25 Tons & Under, & Over 50 Tons (With Oiler); Boom Truck.....	\$ 28.32	8.80
OPERATOR: Drill.....	\$ 25.80	8.80
OPERATOR: Oiler.....	\$ 22.99	8.80

* IRON0272-005 10/01/2019

	Rates	Fringes
IRONWORKER, STRUCTURAL.....	\$ 25.79	13.34

LABO1652-004 05/01/2018

	Rates	Fringes
LABORER: Grade Checker.....	\$ 22.05	7.27

PAIN0365-007 08/01/2020

	Rates	Fringes
PAINTER: Brush, Roller and Spray.....	\$ 20.21	11.83

SUFL2009-146 06/24/2009

	Rates	Fringes
CARPENTER, Includes Form Work....	\$ 17.00	2.51
CEMENT MASON/CONCRETE FINISHER...	\$ 15.00	8.64
LABORER: Common or General.....	\$ 9.87	3.24
LABORER: Landscape.....	\$ 7.25	0.00
LABORER: Pipelayer.....	\$ 14.00	2.42
LABORER: Power Tool Operator (Hand Held Drills/Saws, Jackhammer and Power Saws Only).....	\$ 10.63	2.20
OPERATOR: Asphalt Paver.....	\$ 11.59	0.00
OPERATOR: Backhoe Loader Combo.....	\$ 16.10	2.44
OPERATOR: Backhoe/Excavator.....	\$ 18.77	1.87
OPERATOR: Bulldozer.....	\$ 14.95	0.81
OPERATOR: Grader/Blade.....	\$ 16.00	2.84

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Bid PNC2122386B1

OPERATOR: Loader.....	\$ 14.00	2.42
OPERATOR: Mechanic.....	\$ 14.32	0.00
OPERATOR: Roller.....	\$ 10.95	0.00
OPERATOR: Scraper.....	\$ 11.00	1.74
OPERATOR: Trackhoe.....	\$ 20.92	5.50
OPERATOR: Tractor.....	\$ 10.54	0.00
TRUCK DRIVER, Includes Dump Truck.....	\$ 9.60	0.00
TRUCK DRIVER: Lowboy Truck.....	\$ 12.73	0.00
TRUCK DRIVER: Off the Road Truck.....	\$ 12.21	1.97

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave
for Federal Contractors applies to all contracts subject to the
Davis-Bacon Act for which the contract is awarded (and any
solicitation was issued) on or after January 1, 2017. If this
contract is covered by the EO, the contractor must provide
employees with 1 hour of paid sick leave for every 30 hours
they work, up to 56 hours of paid sick leave each year.
Employees must be permitted to use paid sick leave for their
own illness, injury or other health-related needs, including
preventive care; to assist a family member (or person who is
like family to the employee) who is ill, injured, or has other
health-related needs, including preventive care; or for reasons
resulting from, or to assist a family member (or person who is
like family to the employee) who is a victim of, domestic
violence, sexual assault, or stalking. Additional information
on contractor requirements and worker protections under the EO
is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within
the scope of the classifications listed may be added after
award only as provided in the labor standards contract clauses
(29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification
and wage rates that have been found to be prevailing for the
cited type(s) of construction in the area covered by the wage
determination. The classifications are listed in alphabetical
order of "identifiers" that indicate whether the particular
rate is a union rate (current union negotiated rate for local),
a survey rate (weighted average rate) or a union average rate
(weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed

in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination

Broward County Board of
County Commissioners

- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

"

Insurance Requirements: (Refer to the Insurance Requirement Form)

- A. The insurance requirement designated in the **Insurance Requirement Form** indicates the minimum coverage required for the scope of work, as determined by the Risk Management Division. Vendor shall provide verification of compliance such as a Certificate of Insurance, or a letter of verification from the Vendor's insurance agent/broker, which states the ability of the Vendor to meet the requirements upon award. The verification must be submitted within three business days of County's request. Vendor may be deemed non-responsive for failure to fully comply within stated timeframes. Final award shall be subject to receipt and acceptance by the County of proof of meeting all insurance requirements of the bid.
- B. Without limiting any of the other obligations or liabilities of Vendor, Vendor shall provide, pay for, and maintain on a primary basis in force until all of its work to be performed under this Contract has been completed and accepted by County (or for such duration specified), at least the minimum insurance coverage and limits set forth in the Insurance Requirement Form under the following conditions listed below. If a limit or policy is not indicated on Insurance Requirement certificate by a checked box, it is not required as a condition of this contract.
1. Commercial General Liability with minimum limits per occurrence, combined single limit for bodily injury and property damage, and when indicated a minimum limit per aggregate. County is to be expressly included as an Additional Insured in the name of Broward County arising out of operations performed for the County, by or on behalf of Vendor, or acts or omissions of Vendor in connection with general supervision of such operation. If Vendor uses a subcontractor, then Vendor shall require that subcontractor names County as an Additional Insured.
 2. Business Automobile Liability with minimum limits per occurrence, combined single limit for bodily injury and property damage. Scheduled autos shall be listed on Vendor's certificate of insurance. County is to be named as an additional insured in the name of Broward County.

Note: Insurance requirements for Automobile Liability are not applicable where delivery will be made by a third party carrier. All vendors that will be making deliveries in their own vehicles are required to provide proof of insurance for Automobile Liability and other pertinent coverages as indicated on the Insurance Requirement certificate, prior to award. If deliveries are being made by a third party carrier, other pertinent coverages listed on the Insurance Requirement certificate are still required.

Vendor should indicate how product is being delivered:

Vendor Name:

Company Vehicle: Yes or No

If Common Carrier (indicate carrier):

Other:

3. Workers' Compensation insurance to apply for all employees in compliance with Chapter 440, the "Workers' Compensation Law" of the State of Florida and all applicable federal laws. The policy must include Employers' Liability with minimum limits each accident. If any operations are to be undertaken on or about navigable waters, coverage must be included for the U.S. Longshoremen & Harbor Workers Act and Jones Act.
4. Excess Liability/Umbrella Insurance may be used to satisfy the minimum liability limits required; however, the annual aggregate limit shall not be less than the highest "each occurrence" limit for

the underlying liability policy. Vendor shall endorse County as an Additional Insured unless the policy provides coverage on a pure/true "Follow-form" basis.

5. Builder's Risk or equivalent coverage (such as Property Insurance or Installation Floater) is required as a condition precedent to the issuance of the Second Notice to Proceed for projects involving but not limited to: changes to a building's structural elements, work compromising the exterior of the building for any extended period of time, installation of a large single component, or remodeling where the cost of remodeling is 20% or more the value of the property. Coverage shall be, "All Risks" Completed Value form with a deductible not to exceed Ten Thousand Dollars (\$10,000.00) each claim for all perils except for wind and flood.
 6. For the peril of wind, the Vendor shall maintain a deductible that is commercially feasible which does not exceed five percent (5%) of the value of the Contract price. Such Policy shall reflect Broward County as an additional loss payee.
 7. For the peril of flood, coverage must be afforded for the lesser of the total insurable value of such buildings or structures, and the maximum amount of flood insurance coverage available under the National Flood Program. Vendor shall maintain a deductible that is commercially feasible and does not exceed five percent (5%) of the value of the Contract price. Such Policy shall reflect Broward County as an additional loss payee.
 8. The County reserves the right to provide Property Insurance covering the Project, materials, equipment and supplies intended for specific installation in the Project while such materials, equipment and supplies are located at the Project site, in transit, or while temporarily located away from the Project site. This coverage will not cover any of the Vendor's or subcontractors' tools, equipment, machinery or provide any business interruption or time element coverage to the Vendor(s).
 9. If the County decides to purchase Property Insurance or provide for coverage under its existing insurance policy for this Project, then the insurance required to be carried by the Vendor may be modified to account for the insurance being provided by the County. Such modification may also include execution of Waiver of Subrogation documentation.
 10. In the event that a claim occurs for this Project and is made upon the County's insurance policy, for other than a windstorm, Vendor will pay at least Ten Thousand Dollars (\$10,000.00) of the deductible amount for such claim.
 11. Waiver of Occupancy Clause or Warranty: Policy must be specifically endorsed to eliminate any "Occupancy Clause" or similar warranty or representation that the building(s), addition(s) or structure(s) in the course of construction shall not be occupied without specific endorsement of the policy. The Policy must be endorsed to provide that the Builder's Risk coverage will continue to apply until final acceptance by County.
 12. Pollution Liability or Environmental Impairment Liability: including clean-up costs, with minimum limits per claim, subject to a maximum deductible per claim. Such policy shall remain in force for the minimum length of time indicated, include an annual policy aggregate and name Broward County as an Additional Insured. Vendor shall be responsible for all deductibles in the event of a claim.
 13. Professional Liability Insurance with minimum limits for each claim, subject to a maximum deductible per claim. Such policy shall remain in force for the minimum length of time indicated. Vendor shall notify County in writing within thirty (30) days of any claim filed or made against its Professional Liability Insurance policy. Vendor shall be responsible for all deductibles in the event of a claim. The deductible shall be indicated on the Vendor's Certificate of Insurance.
- C. Coverage must be afforded on a form no more restrictive than the latest edition of the respective policy form as filed by the Insurance Services Office. If the initial insurance expires prior to the completion and acceptance of the Work, renewal certificates shall be furnished upon expiration. County reserves the right to obtain a certified copy of any insurance policy required by this Section within fifteen (15) calendar days of a written request by County.


- D. Notice of Cancellation and/or Restriction: the policy(ies) must be endorsed to provide Broward County with at least thirty (30) days' notice of cancellation and/or restriction.
- E. The official title of the Certificate Holder is Broward County. This official title shall be used in all insurance documentation.
- F. Broward County's Risk Management Division reserves the right, but not the obligation, to review and revise any insurance requirements at the time of contract renewal and/or any amendments, not limited to deductibles, limits, coverages and endorsements based on insurance market conditions affecting the availability or affordability of coverage; or changes in the scope of work/specifications affecting the applicability of coverage.

Project: Lift Station Rehabilitation and Repair Contract Project No. 100768

Agency: Water & Wastewater Engineering Services

TYPE OF INSURANCE	ADD L INSD	SUBR WVD	MINIMUM LIABILITY LIMITS		
				Each Occurrence	Aggregate
GENERAL LIABILITY - Broad form <input checked="" type="checkbox"/> Commercial General Liability <input checked="" type="checkbox"/> Premises-Operations <input type="checkbox"/> XCU Explosion/Collapse/Underground <input checked="" type="checkbox"/> Products/Completed Operations Hazard <input checked="" type="checkbox"/> Contractual Insurance <input checked="" type="checkbox"/> Broad Form Property Damage <input checked="" type="checkbox"/> Independent Contractors <input checked="" type="checkbox"/> Personal Injury Per Occurrence or Claims-Made: <input checked="" type="checkbox"/> Per Occurrence <input type="checkbox"/> Claims-Made Gen'l Aggregate Limit Applies per: <input type="checkbox"/> Project <input type="checkbox"/> Policy <input type="checkbox"/> Loc. <input type="checkbox"/> Other _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Bodily Injury		
			Property Damage		
			Combined Bodily Injury and Property Damage	\$1,000,000	\$2,000,000
			Personal Injury		
			Products & Completed Operations		
AUTO LIABILITY <input checked="" type="checkbox"/> Comprehensive Form <input checked="" type="checkbox"/> Owned <input checked="" type="checkbox"/> Hired <input checked="" type="checkbox"/> Non-owned <input checked="" type="checkbox"/> Any Auto, If applicable <i>Note: May be waived if no driving will be done in performance of services/project.</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Bodily Injury (each person)		
			Bodily Injury (each accident)		
			Property Damage		
			Combined Bodily Injury and Property Damage	\$1,000,000	
<input type="checkbox"/> EXCESS LIABILITY / UMBRELLA Per Occurrence or Claims-Made: <input type="checkbox"/> Per Occurrence <input type="checkbox"/> Claims-Made <i>Note: May be used to supplement minimum liability coverage requirements.</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
<input checked="" type="checkbox"/> WORKER'S COMPENSATION <i>Note: U.S. Longshoremen & Harbor Workers' Act & Jones Act is required for any activities on or about navigable water.</i>	N/A	<input type="checkbox"/>	Each Accident	STATUTORY LIMITS	
<input checked="" type="checkbox"/> EMPLOYER'S LIABILITY			Each Accident	\$500,000	
<input checked="" type="checkbox"/> Pollution /Environmental Liability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	If claims-made form:	1,000,000	
			Extended Reporting Period of:	2 Years	
			*Maximum Deductible:	\$25,000	
<input type="checkbox"/> Builder's Risk <i>Note: Coverage must be "All Risk" Completed Value. Broward County must be shown as additional insured and loss payee</i>	N/A		*Maximum Deductible (Wind and/or Flood)	Not to Exceed 5% of Completed Value	Completed Value
			Extended Reporting Period of:		
			*Maximum Deductible:	\$10,000	
<input type="checkbox"/> Installation floater is required if Builder's Risk or <i>Note: Coverage must be "All Risk", Completed Value.</i>			*Maximum Deductible:	\$10,000	Completed Value
			Contractor is responsible for deductible		
Description of Operations: "Broward County" shall be listed as Certificate Holder and endorsed as an additional insured for liability, except as to Professional Liability. County shall be provided 30 days written notice of cancellation, 10 days' notice of cancellation for non-payment. Contractors insurance shall provide primary coverage and shall not require contribution from the County, self-insurance or otherwise. Any self-insured retention (SIR) higher than the amount permitted in this Agreement must be declared to and approved by County and may require proof of financial ability to meet losses. Contractor is responsible for all coverage deductibles unless otherwise specified in the agreement.					

CERTIFICATE HOLDER:
 Broward County
 115 South Andrews Avenue
 Fort Lauderdale, Florida 33301


 TIMOTHY CROWLEY
 dc=cty, dc=broward, dc=bc, ou=Organization,
 ou=BCC, ou=RM, ou=Users, cn=TIMOTHY
 CROWLEY
 2020.12.01 15:27:55 -05'00'
 Risk Management Division



Finance and Administrative Services Department

PURCHASING DIVISION

115 S. Andrews Avenue, Room 212 • Fort Lauderdale, Florida 33301 • 954-357-6066 • FAX 954-357-8535

Summary of Vendor Rights Regarding Broward County Competitive Solicitations

The purpose of this document is to provide vendors with a summary of their rights to object to or protest a proposed award or recommended ranking of vendors in connection with Broward County competitive solicitations. These rights are fully set forth in the Broward County Procurement Code, which is available here: <https://www.broward.org/purchasing>.

1. Right to Object

The right to object is available for solicitations conducted through Requests for Proposals ("RFPs") or Requests for Letters of Interest ("RLIs"). In such solicitations, vendors may object in writing to a proposed recommendation of ranking made by a Selection or Evaluation Committee. Objections must be filed within three (3) business days after the proposed recommendation is posted on the Purchasing Division's website. The contents of an objection must comply with the requirements set forth in Section 21.84 of the Procurement Code. Failure to timely and fully meet any requirement will result in a loss of the right to object.

2. Right to Protest

The right to protest is available for RFPs and RLIs and in solicitations conducted through Invitations to Bid ("ITBs"). In RFPs and RLIs, vendors may protest a final recommendation of ranking made by a Selection or Evaluation Committee. In ITBs, vendors may protest a final recommendation for award made by the Broward County Purchasing Division.

In all cases, protests must be filed in writing within three (3) or five (5) business days after a recommended ranking or recommendation for award is posted on Purchasing Division's website. The timeframe for filing (*i.e.*, 3 or 5 business days) depends on the monetary value of the procurement. Additional requirements for a protest are set forth in Section 21.118 of the Procurement Code. Failure to timely and fully meet any requirement will result in a loss of protest rights.

Vendors may appeal the denial of a protest. Appeals may require payment of an appeal bond. Additional requirements for an appeal are set forth in Section 21.120 of the Procurement Code. Failure to timely and fully meet any requirement will result in a loss of appeal rights.

3. Cone of Silence; Right to Contact OESBD

Please be aware that a Cone of Silence remains in effect for competitive solicitations until a solicitation is completed or a contract is awarded. During that time period, vendors may not contact certain County officials and employees regarding a solicitation. Substantial penalties may result from even an unintentional violation. For further information, please contact the Purchasing Division at 954-357-6066 or refer to the Cone of Silence Ordinance which is available here: <https://www.broward.org/Purchasing/Documents/ConeOfSilence.pdf>.

However, vendors may communicate with a representative of the Office of Economic and Small Business Development ("OESBD") at any time regarding a solicitation or regarding participation of Small Business Enterprises or County Business Enterprises in a solicitation. OESBD may be contacted at (954) 357-6400. The Cone of Silence also permits communication with certain other County employees (please see the Cone of Silence Ordinance at the above link for further details).

Broward County Board of County Commissioners

Mark D. Bogen • Lamar P. Fisher • Beam Furr • Steve Geller • Dale V.C. Holness • Nan H. Rich • Tim Ryan • Barbara Sharief • Michael Udine

www.broward.org

SPECIFICATIONS AND REQUIREMENTS
SEWER LIFT STATION REHABILITATION AND REPAIR

1. PURPOSE

The purpose of this contract is to provide sewer lift station rehabilitation and repair services and appurtenances for Water and Wastewater Services and various other County agencies in need of these services. Work to be performed shall include all labor, materials, equipment, tools, and incidentals to perform all tasks associated with the rehabilitation and/or repair of a sewer lift station. Services include but are not limited to, by-pass pumping, wet well repair and restoration, replacement of top slabs, hatches, pumps, pipes, valves, control panels, electrical services, connection panels, underground vaults, excavating and backfilling, disposing of surplus material and restoration, as directed.

2. GENERAL

- 2.1. The successful bidder, awarded this contract, is herein referred to as the "CONTRACTOR." It is understood that Water and Wastewater Services or other appropriate COUNTY Divisions will represent the Board of COUNTY Commissioners in the management and supervision of this Contract for their projects.
- 2.2. The Water and Wastewater Engineering Division (WWED) Director will serve as "CONTRACT ADMINISTRATOR" for this Contract.
- 2.3. For the purpose of this Contract, work on a "project" is work in connection with an individual COUNTY project involving certain improvements to be done during a designated period of time, at a given and fixed location.
- 2.4. The word "PROJECT" is to be construed to mean the CONTRACTOR's portion of work, covered under this Contract, on any given project. COUNTY projects are given identifying numbers known as PROJECT numbers. The CONTRACTOR will have more than one project on this Contract and each separate project will be assigned a separate purchase order number.
- 2.5. Prior to the initiation of work under this Contract, the CONTRACTOR shall secure approval from the CONTRACT ADMINISTRATOR or other person acting in their behalf. The CONTRACT ADMINISTRATOR (Division Director or assigned designee) shall explain in detail, the nature and extent of the project/projects. Each Division using the Contract will be responsible for tracking and monitoring the project(s) assigned by them to the CONTRACTOR. The following will be required prior to commencement of construction:
 - 2.5.1. Notification by using Division to the CONTRACT ADMINISTRATOR of intent to use the Contract.
 - 2.5.2. A detailed project outline and/or plans provided by the using Division to the CONTRACTOR.
 - 2.5.3. A site visit with using Division personnel and the CONTRACTOR to define the scope of the project.
 - 2.5.4. A copy of the written estimate and schedule for construction submitted by the CONTRACTOR to the using Division and the CONTRACT ADMINISTRATOR.
 - 2.5.5. Issuance of a Notice-to-Proceed (NTP) by the using Division specifying the not-to-exceed price and number of days for construction.

3. QUALITY OF WORK

The CONTRACTOR agrees to do work covered under this Contract, conforming to specifications contained or referred to in this Contract and shall pursue the project in a professional manner. The CONTRACTOR further agrees to follow appropriate work drawings or sketches given him/her and to follow instructions, either verbally or written, issued by the CONTRACT ADMINISTRATOR insofar as said instructions come within the scope and limitations of this Contract. The CONTRACTOR further agrees to comply with the appropriate specifications and regulations. The CONTRACTOR further agrees to use construction equipment which is safe and maintained in good workable condition and to furnish proper direction and supervision to workers doing work under this Contract.

4. RESTRICTION OF TRAFFIC AND PROTECTION OF JOB-SITE

The CONTRACTOR shall furnish all safety barricades, warning and directional signs, warning lights and any other safety devices as may be necessary and appropriate to offer safe operational practices, and adequately protect the public. The CONTRACTOR agrees not to restrict traffic on any rights-of-way anymore than is necessary to properly perform the work and to not restrict traffic on more than one half of any roadway without prior specific approval of the CONTRACT ADMINISTRATOR. When restricting traffic in any manner, the CONTRACTOR shall furnish and place all traffic control and safety devices necessary such as warning signs, barricades, detour signs, arrow boards, warning lights and any other safety devices as may be safe, necessary and appropriate. When restricting any lane of traffic, the CONTRACTOR shall provide for safe direction of traffic where the volume of restricted traffic is sufficient to warrant such action or where an unsafe condition would otherwise be created. The cost of all safety barricades, warning and directional signs, arrow boards, warning lights and any other safety devices as may be necessary are to be included in Unit Prices, no separate payment will be made for these devices.

5. WORK, EQUIPMENT AND MATERIALS TO BE FURNISHED BY THE CONTRACTOR AND COUNTY

5.1 The CONTRACTOR shall furnish all materials, equipment, labor and labor supervision for any work covered under this Contract.

5.2 The CONTRACTOR shall furnish all construction equipment, including all necessary tools, for any work covered under this Contract. The CONTRACTOR shall also furnish all necessary temporary materials such as forming, bracing, sheathing, guying, scaffolding and other materials necessary to complete the work which do not remain a permanent part of the improvement.

6. TECHNICAL SPECIFICATIONS & REQUIREMENTS

6.1 In general, the CONTRACTOR shall furnish standard materials from the Broward County Water and Wastewater Services (BCWWS) approved Materials List. The COUNTY reserves the right to provide materials identified herein, or as deemed by COUNTY to be in their best interest.

6.2 Standard materials are as follows:

6.2.1 All pipe,

6.2.2 All fittings such as bends, tees, plugs, caps, reducers, offsets, etc.,

6.2.3 All valves and valve boxes,

6.2.4 All joint material including gaskets, glands, bolts and lubricant,

6.2.5 All water to be used for flushing mains, sterilizing, and pressure testing.

6.3 The CONTRACTOR shall be responsible for cleaning up the job-site within 48 hours after completion of the work on any project. Excess material of no value to the COUNTY shall be disposed of in an appropriate and legal manner.

7. **FIELD LAYOUT OF THE WORK AND AS-BUILT DRAWINGS**

The entire responsibility for establishing and maintaining line and grade in the field lies with the CONTRACTOR. The CONTRACTOR shall maintain as-builts, in accordance with BCWWS Minimum Standards, including the location and elevation of all pipelines, conduits, structures, maintenance access structures, hand holes, fittings etc. and shall deliver these as-builts, in good order, to the CONTRACT ADMINISTRATOR as the work is completed. The cost of all such field layout and recording work shall be included in the price bid for all appropriate items. As-built drawings shall be signed and sealed by a registered surveyor licensed in the State of Florida.

8. **MEASUREMENT AND PAYMENT**

Item numbers below represent item numbers in the Item Response Form. Trench Safety price is to be included in all items subject to Trench Safety.

It is the intent of this contract to have a complete and operating system. Any items not specifically identified herein, but required to have a complete and operating system shall be included in the appropriate listed item.

8.1 **GROUP 1 - GENERAL CONDITIONS**

8.1.1 **MOBILIZATION**

Measurement for payment for mobilization will be per work order approved. Maintenance of Traffic (M.O.T.) will be included in this item.

Mobilization for routine work orders will require the CONTRACTOR to be on site and working within 10 working days after issuance of an NTP.

Mobilization for urgent work orders will require the CONTRACTOR to be on site and working within 48 hours after issuance of an NTP.

Payment will be based upon the unit price named in the Item Response Form, all in accordance with the requirements of the Contract Documents.

8.1.2 **PROVIDE FOREPERSON**

Measurement for payment for furnishing a foreperson for miscellaneous work assignments, where approved by the COUNTY, shall be based on the actual number of hours performing the assigned task. Where work is being performed under other items described herein, the cost of the foreperson shall be included in those items.

Payment for providing a foreperson shall be based on the unit price named in the Item Response Form, which shall constitute complete compensation, including burden on direct salary, transportation, hand tools, etc., typically associated with a foreperson's responsibilities. Payment will be made for actual time on the jobsite.

8.1.3 **PROVIDE LABORER/CREWPERSON**

Measurement for payment for furnishing a laborer/crewperson qualified to perform the type of work typically associated with pipeline and/or pump station construction shall be based on the actual number of hours performing the assigned task, as approved by the COUNTY. Where work is being performed under items described herein, the cost of the laborer/crewperson shall be included in those items.

Payment for providing a laborer/crewperson shall be based on the price named in the Item Response Form, which shall constitute complete compensation, including burden on direct labor, transportation and hand tools typically associated with a laborer/crewperson responsibilities. Payment will be made for actual time on the jobsite.

8.1.4 FURNISH COMBINATION CLEANER TRUCK

Measurement for payment for furnishing a 12 yard, minimum, sewer cleaning truck and two person crew, including operator, shall be based on the actual time in operation on the job site plus 2 hours for mobilization/demobilization.

Payment for furnishing a combination cleaning truck and crew shall be based on the price named in the Item Response Form, which shall constitute full compensation, including, but not limited to, transportation, fuel, dump fees, equipment, labor, etc., to provide the services required.

8.1.5 PROVIDE BACKHOE

Measurement for providing a backhoe, equal to a Case 445T/MZ, and operator shall be based on the number of days of use, as approved by the COUNTY.

Payment for providing a backhoe and operator shall be based on the unit price named in the Item Response Form, which shall constitute full compensation including, but not limited to, delivery/pick-up, fuel, labor, etc., for the equipment.

8.1.6 PROJECT PLANNING COST

This item is provided to compensate the CONTRACTOR for time spent planning and estimating a project when the project planned does not result in a purchase order being issued and shall be considered full compensation for CONTRACTOR's time and resources.

Payment for project planning shall be at the price stipulated in the Item Response Form.

In the event a project that has been paid for under this item is subsequently executed, the amount will be deducted from the total amount of that purchase order.

8.2 GROUP 2 – DEMOLITION, REMOVAL AND DISPOSAL

8.2.1 DEMOLITION, REMOVAL, DISPOSAL

Measurement for payment for demolition, removal, and disposal of existing structures and materials will be based on the quantity of the item being demolished, removed, and properly disposed as measured in the field. This bid item does not include hazardous materials requiring special handling.

Payment for demolition, removal, and proper disposal of existing structures and materials will be at the unit price named in the Item Response Form which shall constitute full compensation for the work including, but not limited to, all of the labor, supplies, materials, small tools, and equipment required to complete demolition, removal, and disposal of unsuitable materials.

8.2.2 PLUG AND PREPARE ABANDONED PIPE FOR GROUT FILLING

Measurement for payment to plug and prepare abandoned pipe for grout filling shall be based on the number of abandoned pipes ends (\leq 12 inches diameter) plugged and prepared for grout filling in accordance with the contract documents.

Payment to plug and prepare abandoned pipe for grout filling shall be made at the unit price

named in the Item Response Form for each pipe plugged and prepared for grout filling which shall constitute full compensation for the work including, but not limited to, the excavation, flushing, supplies, materials, fittings, plugs, backfilling and restoration. This item does not include the actual filling of the line with grout which is paid for under another line item.

8.2.3 GROUT FILL ABANDONED PIPE

Measurement for payment to grout fill abandoned pipe shall be based on the number of cubic yards of grout actually used to fill the abandoned pipe.

Payment to grout fill abandoned pipe shall be made at the unit price named in the Item Response Form which shall constitute full compensation for the work including, but not limited to, equipment, materials, supplies, and labor. This item does not include plugging and preparing the line to be grout filled which is paid for under another line item.

8.2.4 DEMOLISH WET WELL (6-foot or 8-foot DIAMETER)

Measurement for payment to demolish a wet well shall be based on the number of vertical feet of wet well removed. For a pre-cast structure, the top section, at a minimum, shall be separated and removed. This price shall include pressure cleaning the structure, removing all solids and liquid, properly disposing of all materials and, if a portion of the structure remains, coring a drain in the bottom in accordance with state requirements.

Payment for demolishing a wet well will be made at the unit price named in the Item Response Form which shall constitute full compensation for the complete operation, including all necessary materials, labor, equipment etc.

8.2.5 FILL IN ABANDONED WET WELL OR VALVE VAULT

Measurement for payment to fill in abandoned wet wells or valve vaults will be based upon the actual number of cubic yards of compacted clean fill required, as measured in place. This price shall include pressure cleaning and vacuuming the structure and coring a drain hole in the bottom in accordance with state requirements.

Payment for filling will be made at the unit price named in the Item Response Form which shall constitute full compensation for the complete operation including all materials, labor, equipment, etc., necessary for the complete operation.

8.2.6 REMOVE FILLET FROM BOTTOM OF WET WELL

Measurement for payment to remove fillets from the bottom of wet wells will be based on the number of cubic feet of material removed, as measured in place prior to removal.

Payment for removing fillets from the bottom of wet wells will be made at the unit price named in the Item Response Form which shall constitute full compensation for the work including, but not limited to, all labor, supplies, materials, equipment required to complete demolition, removal and disposal.

8.3 Group 3 – SITE WORK

8.3.1 FURNISH AND INSTALL TEMPORARY BY-PASS PUMPS AND PIPING

Measurement and payment to furnish and install a temporary by-pass pumping system will be based upon the actual system installed for a specified flow range.

Payment shall be based on the unit price named in the Item Response Form which shall constitute full compensation for the by-pass system, including all necessary pumps, piping, hoses, fittings, controls, telemetry, noise abatement, labor, appurtenances, etc., required to make a functional and reliable temporary bypass system, subject to approval by the COUNTY.

8.3.2 OPERATE AND MAINTAIN TEMPORARY BY-PASS SYSTEM

Measurement for payment to operate and maintain a temporary by-pass pumping system will be based on the system installed for a given flowrate.

Payment shall be based on the unit price named in the Item Response Form which shall constitute full compensation for the work including labor, trucks, fuel/energy costs, monitoring, servicing, equipment etc., as required to keep the temporary bypass system operating properly and effectively, as approved by the COUNTY.

8.3.3 EXPLORATORY EXCAVATION

Measurement for payment for exploratory excavation will be based upon the actual number of excavations made, to 5 foot maximum depth. This item shall be used only when authorized by the COUNTY in writing.

Payment for exploratory excavation will be made at the unit price named in the Item Response Form which shall constitute full compensation for the complete operation including all materials, supplies, labor, equipment, etc., necessary for the complete operation.

8.3.4 NON-EXPLORATORY EXCAVATION

Measurement for payment for non-exploratory excavation will be based upon the actual number of excavations made, to 5 foot maximum depth. Non-exploratory excavations will be used for, but not limited to, exposing known buried facilities, removing unsuitable fill etc. This item shall be used only when authorized by the COUNTY in writing.

Payment for non-exploratory excavation will be made at the unit price named in the Item Response Form which shall constitute full compensation for the complete operation including all materials, supplies, labor, equipment, etc., necessary for the complete operation.

8.3.4 FURNISH AND INSTALL TEMPORARY LINE STOP

Measurement for payment for furnishing and installing temporary line stops shall be based on the number of line stops installed, as approved by the COUNTY.

Payment for furnishing and installing temporary line stops shall be based on the unit price named in the Item Response Form, which shall constitute full compensation for the complete operation, including all necessary pipe, fittings, equipment, personnel and appurtenances required to make a reliable line stop.

8.3.5 LIMEROCK BASE COURSE

Measurement for payment for limerock base course shall be based on the measured in place number of cubic yards of limerock base course installed and compacted in accordance with the work authorization. This item shall include preparation of the sub-base.

Payment for limerock base course shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, sub-base preparation, all materials, supplies, equipment, labor, transportation, and installation, as required for a complete installation.

8.3.6 SAW CUT ASPHALT PAVING

Measurement for payment of asphalt pavement saw cutting shall be based on linear footage of asphalt cut, as measured in the field.

Payment for asphalt saw cutting shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, all materials, equipment and labor required for completion of the work.

8.3.7 ASPHALT CONCRETE PAVEMENT

Measurement for payment for asphalt concrete pavement shall be based on the measured in place number of square yards of pavement. The material shall be Type III, asphalt concrete pavement installed in accordance with the contract documents.

Payment for asphalt concrete pavement shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited

to, all materials, supplies, equipment, labor, transportation, installation, etc., required for a complete installation.

8.3.8 FURNISH AND INSTALL WASHED ROCK OVER WEED BARRIER

Measurement for payment to furnish and install $\frac{3}{4}$ -inch washed rock over weed barrier shall be based on the number of square yards of washed rock installed in the field in accordance with the contract documents to a finished depth of 8 inches.

Payment for washed rock over weed barrier shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, all materials, supplies, equipment, labor, transportation, etc., required for a complete installation.

8.3.7 FURNISH AND INSTALL SEED AND MULCH OR SOD

Measurement for payment for furnishing and installing seed and mulch or sod shall be based on the number of square yards of seed and mulch or sod in place in accordance with the contract documents.

Payment for furnishing and installing seed and mulch or sod will be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, all ground preparation, materials, supplies, equipment, labor, maintenance, watering for 60 days etc., required for the completed work.

8.3.8 FURNISH AND INSTALL PIPE BOLLARDS

Measurement for payment for furnishing and installing 6-inch diameter by 6-foot long galvanized, SCH 40 steel bollards shall be based on the number of pipe bollards installed in accordance with the contract documents.

Payment for furnishing and installing pipe bollards will be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, all materials, supplies, equipment, labor, painting with safety yellow epoxy paint, etc., required for the completed work.

8.3.9 RELOCATE EXISTING CHAIN LINK FENCE

Measurement for payment for relocating existing chain link fence, with or without barbed or razor wire, shall be based on the number of linear feet of 6-foot high chain link fence taken down, properly stored and reinstalled, as directed by the COUNTY.

Payment for relocating existing chain link fence shall be based on the unit price named in the Item Response Form which shall constitute full compensation for taking down the fence, removing and disposing of the existing posts and concrete anchors, installing new posts, reinstalling the fence and all materials tools, equipment and labor necessary for a complete project.

8.3.10 FURNISH AND INSTALL NEW CHAIN LINK FENCE

Measurement for payment for furnishing and installing new chain link fence shall be based on the number of linear feet of 6-foot high chain link fence, with or without barbed wire, installed in accordance with the contract documents.

Payment for furnishing and installing new chain link fence will be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, all materials, supplies, equipment, labor, etc., required for the completed work.

8.3.11 FURNISH AND INSTALL 12-foot CHAIN LINK SWING GATE

Measurement for payment for furnishing and installing 12-foot chain link gate (2 – 6 foot

sections) shall be based on the number of 12-foot chain link gates, with or without barbed wire installed in accordance with the contract documents.

Payment for furnishing and installing chain link gate will be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, all materials, supplies, equipment, labor, etc., required for the completed work.

8.3.12 FURNISH AND INSTALL CHAIN LINK ROLLER GATE

Measurement for payment for furnishing and installing a chain link roller gate (10 or 12 foot) shall be based on the number of chain link gates, with or without barbed wire installed in accordance with the contract documents.

Payment for furnishing and installing a chain link roller gate will be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, all materials, supplies, equipment, labor, etc., required for the completed work.

8.3.13 PRODUCE AND SUBMIT AS-BUILT DRAWINGS

Measurement for payment to produce and submit a site survey and as-built drawings for each lift station site shall be based on the number of lift station sites completed as assigned by the COUNTY.

As-built drawings will conform to WWS standards and will be provided to the COUNTY in AutoCAD 2015 (or a newer version) format along with two 24 x 36-inch copies of the site information. Data will include but is not limited to State Plane Coordinates for easement boundaries, property lines, topography, wet well invert, influent pipe(s) invert and top slab, hatch.; top of pipe and maintenance access structure. In addition, State Plane Coordinates for the pipe fittings and valves will be provided. Payment for obtaining and providing all documentation will be made at the unit price named in the Item Response Form which shall constitute full compensation for the work including, but not limited to, all labor, supplies, materials, equipment required to complete a site survey and as-built drawing.

GROUP 4 - NEW AND REHABILITATED CONCRETE WORK

8.4.1 SAW CUT CONCRETE

Measurement for payment to saw cut concrete shall be based on the number of linear feet cut.

Payment shall be based on the unit price named in the Item Response Form which shall constitute full compensation for the work, including but not limited to equipment, materials, and labor as well as removal and proper disposal of concrete.

8.4.2 CORE HOLE IN CONCRETE

Measurement for payment for core hole in concrete shall be based on the number of cores cut in concrete, in accordance with the contract documents.

Payment for coring concrete will be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, all materials, supplies, equipment, labor, water, plug disposal, etc., required for the completed work.

8.4.3 FURNISH AND INSTALL PRECAST WET WELL STRUCTURE

Measurement for payment to furnish and install precast wet well structure shall be based on the number of vertical feet (outside dimension) of precast wet well structures installed, not to exceed 24 feet, as measured from the top of the base to the bottom of the top slab in accordance with the contract documents.

Payment to furnish and install precast wet well structure shall be at the unit price named in

the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, all excavation, shoring, dewatering, materials, supplies, equipment, labor, transportation, restoration, etc., required for a complete installation.

8.4.4 FURNISH AND INSTALL WET WELL PRECAST TOP SLAB WITH HATCH

Measurement for payment to furnish and install a new precast top slab with hatch shall be based on the number of precast top slabs with hatches (AASHTO H20-44, unless specified otherwise by COUNTY) installed in accordance with the contract documents.

Payment to furnish and install precast top slab with hatch shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, all materials, supplies, equipment, labor, transportation, installation, etc., required for a complete installation.

8.4.5 FURNISH AND INSTALL RETROFIT HATCH IN EXISTING SLAB

Measurement for payment to furnish and install a retrofitted hatch shall be based on the number of hatches installed, including resizing the existing opening, installation hardware, sealants and appurtenances.

Hatches shall be U.S. Foundry TPD (300 PSF) or equal, unless specified otherwise by the COUNTY.

Payment for furnishing and installing a retrofitted hatch shall be based on the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, all materials, equipment, labor, transportation and installation etc., required for a complete installation.

8.4.6 FURNISH AND INSTALL WET WELL FILLET

Measurement for payment to furnish and install a new brick and concrete fillet in a wet well shall be based on the measured cubic feet of materials installed, in place.

Payment for furnishing and installing wet well fillets shall be based on the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, all materials, equipment, labor, transportation, installation, etc., required for a complete installation.

8.4.7 FURNISH AND INSTALL PRECAST METER VAULT

Measurement for payment to furnish and install a new precast meter vault shall be based on the number of meter vaults installed, including top slab, aluminum hatch (AASHTO H20-44, unless specified otherwise by the COUNTY and appurtenances. Hatches for 5-foot x 5-foot and 6-foot x 6-foot vault shall match inside dimensions of vault. Other meter vault hatch sizes shall be specified by the COUNTY.

Payment for furnishing and installing a meter vault shall be based on the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, all materials, equipment, labor, transportation, installation, etc., required for a complete installation.

8.4.8 WET WELL AND MAINTENANCE ACCESS STRUCTURE INTERIOR SURFACE PREPARATION

Measurement for payment for preparing the interior surface of concrete wet wells and maintenance access structures shall be based on the number of square feet prepared.

Payment for surface preparation shall be based on the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, materials, supplies, equipment, labor and removal and disposal of all debris.

8.4.9 FURNISH AND INSTALL WET WELL AND MAINTENANCE ACCESS STRUCTURE

CEMENTITIOUS COATING – BRICK STRUCTURES

Measurement for payment for furnishing and installing a cementitious coating on brick wet well interiors and maintenance access structures shall be based on the number of square feet of material applied to brick structures at a 1-inch minimum thickness. Payment shall be based on the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, materials, supplies, equipment and labor necessary to provide a completed project.

8.4.10 FURNISH AND INSTALL WET WELL AND MAINTENANCE ACCESS STRUCTURE
CEMENTITIOUS COATING– PRECAST STRUCTURES

Measurement for payment furnishing and installing a cementitious coating on precast wet wells and maintenance access structure shall be based on the number of square feet of material applied to precast structures at a ½ inch minimum thickness.

Payment shall be based on the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, materials, supplies, equipment and labor necessary to provide a completed project.

8.4.11 FURNISH AND INSTALL BITUMASTIC COATING

Measurement for payment for furnishing and installing a bitumastic coating on wet wells, maintenance access structures and meter vaults shall be based on the number of square feet of material applied.

Payment shall be based on the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, materials, supplies, equipment and labor necessary to provide a completed project.

8.4.12 FURNISH AND INSTALL LEVEL II OR LEVEL III COATING

Measurement for payment for furnishing and installing a Level II or Level III coating on wet wells and maintenance access structures shall be based on the number of square feet of material applied.

Payment shall be based on the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, materials, supplies, equipment and labor necessary to provide a completed project.

8.4.13 FURNISH AND INSTALL INJECTED CHEMICAL GROUT IN CONCRETE STRUCTURES

Measurement for payment to furnish and install chemical grout in concrete structures shall be based on the number of gallons of grout injected.

Payment shall be based on the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, materials, supplies, equipment and labor necessary to provide a completed project.

8.4.13 FURNISH AND INSTALL METER/VALVE VAULT LADDER

Measurement for payment to furnish and install a vault ladder shall be based on the number of ladders installed.

Payment shall be based on the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, materials, supplies, equipment and labor necessary to provide a completed project.

8.4.13 FURNISH AND INSTALL PRECAST MAINTENANCE ACCESS STRUCTURE

Measurement for payment to furnish and install precast maintenance access structure shall be based on the number of precast maintenance access structures installed in accordance with the purchase order. Depth measurement shall be from the rim elevation to the finished invert elevation.

Payment to furnish and install precast maintenance access structure's shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, all excavation, shoring, dewatering, backfilling restoration, materials, supplies, equipment, labor, transportation, etc., required for a complete installation.

8.4.14 FURNISH AND INSTALL REINFORCED CONCRETE SLAB ON GRADE

Measurement for payment for furnishing and installing reinforced concrete slab on grade shall be based on the number of cubic yards of concrete slab on grade installed in the field in accordance with the purchase order. This item covers all poured in place reinforced concrete slabs on grade up to 12-inches in thickness, with reinforcing not exceeding 120 pounds of steel per cubic yard of concrete.

Payment for furnishing and installing a reinforced concrete slab on grade shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work, including but not limited to, all forms, materials, supplies, equipment, labor, transportation, etc., required for a complete installation.

8.4.15 FURNISH AND INSTALL REINFORCED, FORMED CONCRETE

Measurement for payment to furnish and install reinforced formed and poured in place concrete shall be based on the number of cubic yards of concrete installation in the field in accordance with the contract documents and shall include walls and structures to 8 feet above grade. This item covers all poured in place reinforced concrete with reinforcing not to exceed 120 pounds of steel per cubic yard of concrete.

Payment to furnish and install formed and poured in place reinforced concrete shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including but not limited to all forms, materials, supplies, equipment, labor, transportation, disposal, etc., required for a complete installation.

8.4.16 FURNISH AND INSTALL MISCELLANEOUS UNREINFORCED FORMED CONCRETE

Measurement for payment for furnishing and installing miscellaneous unreinforced formed and poured in place concrete shall be based on the number of cubic yards of unreinforced concrete poured in accordance with the contract documents. This includes slabs on grade, thrust blocks, dead weight blocks, and any other unreinforced concrete work, earth supported, or formed, other than sidewalk.

Payment for miscellaneous unreinforced formed and poured in place concrete shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including but not limited to all forms, materials, supplies, equipment, labor, transportation, and finishing, required for a complete installation.

8.4.17 FURNISH AND INSTALL TREMIE CONCRETE

Measurement for payment to furnish and install tremie concrete shall be based on the number of cubic yards of concrete installed in the field in accordance with the contract documents.

Payment to furnish and install tremie concrete shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including but not limited to all materials, supplies, equipment, labor, transportation etc., required for a complete installation.

8.4.18 FORM AND POUR CONCRETE SIDEWALK

Measurement for payment to form and pour 6-inch thick concrete sidewalk shall be based on the number of square yards of unreinforced concrete sidewalk constructed in the field in accordance with the contract documents.

Payment for forming and pouring unreinforced concrete sidewalk shall be at the unit price earned in the Item Response Form which shall constitute full compensation for the work including but not limited to all forms, materials, supplies, equipment, labor, transportation, finishing etc., required for a complete installation.

8.4.19 FURNISH AND INSTALL FLOWABLE FILL

Measurement for payment for furnishing and installing flowable fill shall be based on the number of cubic yards of material installed.

Payment for furnishing and installing flowable fill shall be based on the unit price indicated in the Item Response Form which shall constitute complete compensation, including, but not limited to, all transportation, materials, blocking ends, labor, etc., to install the flowable fill where directed by the COUNTY.

8.4.20 FURNISH CONCRETE PUMP

Measurement for payment for furnishing a concrete pump and minimum two person crew, including operator, shall be based on the actual time pumping concrete/flowable fill plus a maximum of three hours for mobilization/ demobilization.

Payment for providing a concrete pump shall be based on the unit price named in the Item Response Form, which shall constitute complete compensation, including, but not limited to, all transportation, equipment, labor, etc., to provide an operating pump.

8.5 GROUP 5 - PIPING AND VALVES

8.5.1 FURNISH AND INSTALL FLANGED PLUG VALVE WITH STAINLESS STEEL (SS) ACCESSORIES

Measurement for payment for furnishing and installing flanged plug valves with SS accessories shall be based on the number of plug valves installed. 6, 8- and 10-inch flanged plug valves shall have hand wheel operators unless specified otherwise by the COUNTY.

Payment for furnishing and installing flange plug valves with SS accessories shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, materials, painting, labor and equipment required for the completed work.

8.5.2 FURNISH AND INSTALL FLANGED WEIGHT AND LEVER CHECK VALVE WITH STAINLESS STEEL (SS) ACCESSORIES

Measurement for payment for furnishing and installing check valves with SS accessories shall be based on the number of check valves installed in accordance with the contract documents.

Payment for furnishing and installing check valves with SS accessories shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, all supplies, equipment, labor, etc., required for the completed work.

8.5.3 FURNISH AND INSTALL PUMP OUT CONNECTION

Measurement for payment for furnishing and installing pump out connection shall be based on the number of pump connections installed.

Payment for furnishing and installing pump out connection will be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to all materials, supplies, equipment, painting, labor, etc., required for the completed work.

8.5.4 FURNISH AND INSTALL MECHANICAL JOINT (MJ) PLUG VALVE

Measurement for payment for furnishing and installing MJ plug valves shall be based on the number of plug valves installed in accordance with the contract documents.

Payment for furnishing and installing MJ plug valves shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, valves, restrained joints, valve box, miscellaneous concrete, all supplies, equipment, labor, accessories, etc., required for the completed work.

8.5.5 FURNISH AND INSTALL FLANGED DUCTILE IRON (DI) PIPING

Measurement for payment for installing flanged ductile iron piping shall be based on the length, in feet, of piping installed between the pumps and 5 feet downstream of the meter vault, as directed by the COUNTY.

Payment for installing flanged ductile iron piping shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, pipe, interior and exterior coatings, link seals, all supplies, equipment, labor, etc., required for the completed work.

8.5.6 FURNISH AND INSTALL MECHANICAL JOINT (MJ) FLEXIBLE BALL JOINT

Measurement for payment for furnishing and installing mechanical joint (MJ) flexible ball joints (MEGALUG Flex-900 or equal) shall be based on the number of ball joints installed, in accordance with the contract documents.

Payment for furnishing and installing MJ flexible ball joints (MEGALUG Flex-900 or equal) shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed installation including, but not limited to, restrained joints, supplies, equipment, labor, and appurtenances, required for the completed work.

8.5.7 FURNISH AND INSTALL PUMP BASE ELBOW AND PUMP

Measurement for payment for furnishing and installing pump base elbow and COUNTY supplied pump shall be based on the number of pump base elbows installed.

Payment for furnishing and installing pump base elbows and COUNTY supplied pump shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, all supplies, stainless steel plate, pump guide rails, equipment, painting, labor, etc., required for the completed work.

8.5.8 FURNISH AND INSTALL STAINLESS STEEL PUMP CABLE AND FLOAT HANGER BRACKET

Measurement for payment for furnishing and installing stainless steel pump cable and float hangar bracket shall be based on the number of float hangar brackets installed.

Payment for furnishing and installing stainless steel pump cable and float hangar brackets shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including but not limited to, materials, tools, supplies, equipment, labor, etc., required for the completed work.

8.5.9 FURNISH AND INSTALL WET WELL VENT

Measurement for furnishing and installing wet well vent will be based on the number of wet well vents furnished and installed.

Payment for furnishing and installing wet well vent will be at the unit price named in the Item Response Form which shall constitute complete compensation for all materials, supplies, painting, equipment, labor, etc., required for the completed work.

8.5.10 FURNISH AND INSTALL WATER SERVICE

Measurement for payment for furnishing and installing 1-inch or 2-inch water service shall be based on the number of water services installed in accordance with the purchase order.

Payment for furnishing and installing 2-inch water service shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, miscellaneous valves, pipe, meter box, excavation and backfill, materials, tools, supplies, equipment, labor, etc., required for the completed work including connection to the main and up to 150 linear feet of 2-inch water service line measured along the top of the ground from the main to the location provided by the COUNTY.

8.5.11 FURNISH AND INSTALL 1-inch or 2-inch BACKFLOW PREVENTION DEVICE

Measurement for furnishing and installing 1-inch or 2-inch backflow prevention device will be based on the number of backflow prevention devices furnished and installed.

Payment for furnishing and installing a backflow prevention device will be at the unit price named in the Item Response Form which shall constitute complete compensation for all materials, supplies, equipment, labor, etc., required for the completed work. This item includes backflow devices installed in existing lift station water service lines or in new lift station water service lines. This does not include backflow device installations in water service lines other than used exclusively for a lift station.

8.5.12 FURNISH AND INSTALL DUCTILE IRON PIPE (DIP) MECHANICAL JOINT (MJ) FORCE MAIN

Measurement for payment for furnishing and installing DIP MJ force main shall be based on the number of linear feet of DIP force main installed in accordance with the contract documents.

Payment for furnishing and installing DIP MJ force main shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, all excavation and backfill, materials, tools, supplies, equipment, labor, link seals, coatings, etc., required for the completed work in conformance with BCWWS minimum standards.

8.5.13 FURNISH AND INSTALL DIP MJ FORCE MAIN FITTINGS AND ACCESSORIES

Measurement for payment for furnishing and installing DIP MJ force main fittings shall be based on the pounds of DIP force main fittings installed in accordance with the contract documents, as determined by standard manufacturer's literature.

Payment for furnishing and installing MJ DIP force main fittings shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, all excavation, backfilling, supplies, equipment, labor, etc., required for the completed work.

This item includes restrained joint fitting accessories.

8.5.14 FURNISH AND INSTALL 8-inch and 10-inch PVC SANITARY SEWER

Measurement for payment for furnishing and installing 8-inch and 10-inch PVC sanitary sewer shall be based on the linear feet of 8-inch and 10-inch PVC sanitary sewer installed within the indicated depths and the indicated material in accordance with the contract documents.

Payment for furnishing and installing 8-inch and 10-inch PVC sanitary sewer shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, all excavation and backfill, supplies, equipment, labor, etc., required for the completed work.

8.5.15 FURNISH AND INSTALL CONNECTION TO EXISTING FORCE MAIN

Measurement for payment for furnishing and installing a connection to an existing force main

shall be based on the number of connections installed in accordance with the contract documents.

Payment for furnishing and installing a connection to a force main shall be at the unit price named in the Item Response Form which shall constitute full compensation for the completed work including, but not limited to, all excavation, backfilling, performing the wet tap, equipment, labor, and appurtenances required for the completed work.

8.5.16 FURNISH AND INSTALL FLANGED DIP FITTINGS

Measurement for payment for furnishing and installing flanged DIP fittings, with stainless steel accessory sets, shall be based on the weight, in pounds, of each fitting, as determined by standard manufacturer's literature.

Payment for furnishing and installing flanged DIP fittings shall be based on the unit price named in the Item Response Form, which shall constitute full compensation including, but not limited to, delivery, installation and all appurtenances referred to complete the installation.

8.5.17 FURNISH AND INSTALL PRESSURE GAUGE ASSEMBLY

Measurement for payment for furnishing and installing a pressure gauge assembly shall be based on the number of pressure gauges installed.

Payment for furnishing and installing the pressure gauge assembly shall be based on the unit price named in the Item Response Form which shall include all materials, tapping the main, labor, equipment and appurtenances required to provide the completed work.

8.5.18 FURNISH AND INSTALL 1-inch TAP AND BALL VALVE FOR ADDITIONAL PRESSURE TRANSDUCER

Measurement for payment for furnishing and installing a pressure transducer tap and valve assembly shall be based on the number of assemblies installed.

Payment for furnishing and installing the pressure transducer tap and valve assembly shall be based on the unit price named in the Item Response Form which shall include all materials, tapping the main, labor, equipment and appurtenances required to provide the completed work.

8.5.19 FURNISH AND INSTALL 3-inch PVC VALVE VAULT DRAIN ASSEMBLY

Measurement for payment for furnishing and installing a valve vault drain shall be based on the number of drain assemblies furnished and installed.

Payment for furnishing and installing a valve vault drain shall be based on the unit price named in the Item Response Form, which shall constitute full compensation including, but not limited to, excavation, backfilling, coring concrete, equipment, labor and materials required for the complete installation.

8.5.20 INSTALL COUNTY SUPPLIED PASSIVE ODOR CONTROL UNIT

Measurement for payment for installing a county supplied passive odor control unit shall be based on the number of passive odor control units furnished and installed.

Payment for installing a passive odor control unit shall be based on the unit price named in the Item Response Form, which shall constitute full compensation including, but not limited to, excavation, backfilling, coring concrete, equipment, labor and materials required for the complete installation.

8.5.21 INSTALL COUNTY SUPPLIED ACTIVE ODOR CONTROL UNIT

Measurement for payment for installing a county supplied active odor control unit shall be based on the number of active passive odor control units furnished and installed.

Payment for installing an active odor control unit shall be based on the unit price named in the Item Response Form, which shall constitute full compensation including, but not

limited to, excavation, backfilling, coring concrete, equipment, electrical connection to the panel, labor and materials required for the complete installation.

8.6 GROUP 6 - ELECTRICAL WORK

8.6.1 REMOVE EXISTING CONTROL PANEL

Measurement for payment to remove an existing control panel will be based upon the actual number of control panels removed. All removed panels shall be returned to BCWWS, unless otherwise directed.

Payment to remove an existing control panel will be made at the unit price named in the Item Response Form which shall constitute full compensation for the complete operation, including all materials, supplies, labor, equipment, etc.

8.6.2 REMOVE EXISTING ELECTRIC METER

Measurement for payment to remove an existing electric meter will be based upon the actual number of electric meters removed. All removed meters shall be stored and reinstalled at the direction of Florida Power and Light (FPL), unless otherwise directed.

Payment to remove an existing electric meter will be made at the unit price named in the Item Response Form which shall constitute full compensation for the complete operation, including all materials, supplies, labor, equipment, etc.

8.6.3 RELOCATE EXISTING CONTROL PANEL/ELECTRIC METER (UP TO 30 FEET)

Measurement for payment to relocate an existing control panel and electric meter will be based upon the actual number of control panels and electric meters relocated (up to 30 feet).

Payment to relocate an existing control panel and electric meter will be made at the unit price named in the Item Response Form which shall constitute full compensation for the complete operation, including all materials, supplies, labor, equipment, etc.

8.6.4 INSTALL COUNTY SUPPLIED CONTROL PANEL

Measurement for payment for installing COUNTY supplied control panel will be based on the number of control panels provided by the COUNTY and installed by the CONTRACTOR. This Bid Item shall also include the reinstallation of equipment removed under Bid Items 6.01 thru 6.02.

Payment for installing COUNTY supplied Control panels and furnishing and installing all associated materials will be at the unit price indicated in the Item Response Form which shall constitute complete compensation for the installation, but not limited to all transportation to pick up control panel at the COUNTY designated location within 25 miles of the pump station site, all materials, supplies, labor and equipment to install the control panel in accordance with the plans, connect to the electrical service, tested and inspected and ready for service.

8.6.5 FURNISH AND INSTALL ¾-inch BUBBLER SYSTEM PIPING, FITTINGS AND APPURTENANCES

Measurement for payment for furnishing and installing ¾-inch bubbler piping, and fittings, TYGON Air Line, or equal and appurtenances shall be based on the number of bubbler systems installed in accordance with the purchase order. This item includes all bubbler tubing, fittings, mounting, piping, etc., from the control panel to the bottom of the wet well. It does not include the pressure switches, compressors, or gages, provided with the control panel.

Payment for furnishing and installing bubbler system piping, fittings, and appurtenances shall be at the unit price in the Item Response Form, which shall constitute full compensation for

the completed work including, but not limited to, all excavation and backfill, materials, tools, supplies, equipment, labor, etc., required for the completed work.

8.6.6 REMOVE AND PROPERLY STORE EXISTING PUMPS DURING CONSTRUCTION

Measurement for payment for removing and storing pumps during construction shall be based on the number of pumps removed in accordance with the contract documents. Pumps shall be thoroughly hosed off and debris, rags, grease etc. removed. Storage shall be a secured location where no damage, theft or degradation of the equipment will occur prior to reinstallation.

Payment for removal and storage of pumps shall be at the unit price named in the Item Response Form, which shall constitute full compensation for the completed work including, but not limited to, materials, tools, supplies, equipment, labor, etc., required for the completed work.

8.6.7 INSTALL/REINSTALL COUNTY SUPPLIED PUMPS IN WET WELL INCLUDING RECONNECTION TO PANEL

Measurement for payment for installing/reinstalling pumps in wet well shall be based on the number of pumps installed in accordance with the contract documents.

Payment for installation of pumps shall be at the unit price named in the Item Response Form, which shall constitute full compensation for the completed work including, but not limited to, materials, tools, supplies, equipment, labor, etc., required for the completed work.

8.6.8 DISCONNECT AND REMOVE EXISTING FLOATS FROM WET WELL

Measurement for payment for disconnecting and removing floats shall be based on the number of floats removed in accordance with the contract documents.

Payment for removal of floats shall be at the unit price named in the Item Response Form, which shall constitute full compensation for the completed work including, but not limited to, materials, tools, supplies, equipment, labor, etc., required for the completed work.

8.6.9 REINSTALL AND RECONNECT COUNTY SUPPLIED FLOATS IN WET WELL

Measurement for payment for reinstalling and reconnecting floats shall be based on the number of floats installed in accordance with the contract documents.

Payment for reinstalling floats shall be at the unit price named in the Item Response Form, which shall constitute full compensation for the completed work including, but not limited to, materials, tools, supplies, equipment, labor, etc., required for the completed work.

8.6.10 FURNISH AND INSTALL "POWER PRESENT" INDICATOR LIGHT (BLUE)

Measurement for payment for furnishing and installing "power present" light will be based on the number of lights furnished and installed by the CONTRACTOR.

Payment for furnishing and installing "power present" light will be at the unit price named in the Item Response Form which shall constitute complete compensation for the installation of the lights including, but not limited to, all materials, supplies, labor and equipment required to install the light, tested and inspected and ready for service.

8.6.11 INSTALL COUNTY SUPPLIED CONNECTION/ISOLATION PANEL

Measurement for payment for installing County supplied connection/isolation panels will be based on the number of connection/isolation panels installed by the CONTRACTOR.

Payment for installing County supplied connection/isolation panels will be at the unit price named in the Item Response Form which shall constitute complete compensation for the installation of the connection/isolation panel including, but not limited to, all transportation,

materials, excavation, supplies, labor and equipment to install the control panel in accordance with the plans, connected to the control panel and lift station equipment, tested and inspected and ready for service.

8.6.12 FURNISH AND INSTALL ELECTRICAL SERVICE TO LIFT STATION

Measurement for payment for furnishing and installing electrical service to lift station will be based on the length of electrical service provided, including wire, conduit and appurtenances furnished and installed by the CONTRACTOR.

Payment for furnishing and installing electrical service to lift station will be at the unit price named in the Item Response Form which shall constitute complete compensation for the installation of the electrical service including, but not limited to, all transportation, excavation and backfill, asphalt restoration, materials, supplies, labor and equipment to complete the connection between FPL and the pump station.

This item does not include any charges required by FPL as they are paid for under a separate line item.

8.6.13 INSTALL EMERGENCY CONNECTION/ TRANSFER PANEL

Measurement for payment for installing emergency connection/transfer panel will be based on the number of emergency connection/transfer panels installed by the CONTRACTOR.

Payment for installing emergency connection/transfer panel will be at the unit price named in the Item Response Form which shall constitute complete compensation for the installation of the emergency connection/transfer panel including, but not limited to, all transportation, materials, supplies, labor and equipment connected to the control panel and lift station equipment, tested and inspected and ready for service.

8.6.14 FURNISH AND INSTALL TEMPORARY ELECTRICAL SERVICE

Measurement for payment for furnishing and installing temporary electrical service will be based on the number of electrical services installed in accordance with the contract documents.

Payment for furnishing and installing temporary electrical service will be made at the unit price named in the Item Response Form which shall constitute full compensation for the complete temporary electrical service including all necessary conduit, wire, excavation, backfill, handhole, meter box, disconnect, fittings, posts, permits, materials and supplies, required to make a functional and reliable temporary electrical service. This item shall include bringing a maximum 400 amp, 460V, 3 phase power from a commercial power source a maximum of 100 lineal feet from the temporary electrical service. Distances in excess of 100 lineal feet shall be compensated under separate line items.

8.6.15 FURNISH AND INSTALL TEMPORARY CONTROL PANEL

Measurement for payment for furnishing and installing temporary control panel will be based on the number of temporary control panels furnished and installed by the CONTRACTOR.

Payment for furnishing and installing temporary control panel will be at the unit price named in the Item Response Form which shall constitute complete compensation for the installation of the temporary control panel including, but not limited to, all transportation, materials, supplies, labor and equipment to install the control panel, including appurtenances, in accordance with the Purchase Order, connected to the lift station equipment, tested and inspected and ready for service.

8.6.16 FURNISH AND INSTALL ALUMINUM CONDUIT

Measurement for payment for furnishing and installing aluminum conduit will be based on the number of linear feet of conduit installed.

Payment for furnishing and installing aluminum conduit from the wet well or valve vault to the connection panel will be at the unit price named in the Item Response Form which shall constitute complete compensation for the installation of the aluminum conduit including, but not limited to, all transportation, excavation and backfilling, materials, supplies, sealing fittings, labor and equipment to install the aluminum conduit in accordance with the Contract Document, connected to the connection panel and valve vault, inspected and ready for service.

8.6.17 FURNISH AND INSTALL SCHEDULE 40 PVC CONDUIT

Measurement for payment for furnishing and installing PVC conduit will be based on the number of linear feet of conduit installed.

Payment for furnishing and installing PVC conduit will be at the unit price named in the Item Response Form which shall constitute complete compensation for the installation of the PVC conduit including, but not limited to, all transportation, excavation and backfilling, materials, supplies, sealing fittings, labor and equipment to install the PVC conduit in accordance with the Contract Document, inspected and ready for service.

8.6.12 REMOVE EXISTING ANTENNA AND SUPPORT POLE

Measurement for payment for removing existing pole and SCADA antenna will be based on the number of poles and antennas removed by the CONTRACTOR.

Payment for removing the pole and antenna will be at the unit price named in the Item Response Form which shall constitute complete compensation for the removal including, but not limited to, all transportation, disconnection, materials, supplies, labor and equipment in accordance with the plans.

8.6.13 FURNISH AND INSTALL 2 INCH ALUMINUM POLE FOR SCADA ANTENNA

Measurement for payment for furnishing and installing 2 inch aluminum pole for the SCADA antenna will be based on the number of 2 inch aluminum pole and appurtenances furnished and installed by the CONTRACTOR.

Payment for furnishing and installing 2 inch aluminum pole and appurtenances will be at the unit price named in the Item Response Form which shall constitute complete compensation for the installation of the 2 inch aluminum pole up to 20 feet long including, but not limited to, all transportation, connection to the panel, materials, supplies, labor and equipment in accordance with the plans

9.0 ALLOWANCES

9.1 NON-COUNTY AGENCY PERMITS AND FEES - \$30,000 for the initial three-year term, and \$10,000 per year for each renewal period.

This item is an allowance and is intended to reimburse the CONTRACTOR for actual costs associated with obtaining necessary permits to construct the work. Measurement for payment for permit fees will be based upon the actual permit fees paid by the CONTRACTOR to the various agencies having jurisdiction for construction of the project.

Payment for permit fees shall be based on CONTRACTOR produced documentation verifying actual cost; no markup allowed.

9.2 PARTS AND MATERIALS - \$180,000 for the initial three-year term and \$60,000 per year for each renewal period.

This item is an allowance and is intended to reimburse the CONTRACTOR for actual costs associated with items not included in the Item Response Form. The CONTRACTOR will charge the COUNTY the same prices invoiced by their suppliers. A copy of the CONTRACTOR's invoice(s) from their supplier for such parts and materials shall be submitted with the CONTRACTOR's invoice for payment.

Payment for parts and materials shall be based on CONTRACTOR produced documentation verifying actual cost; no markup allowed.

9.3 Florida Power and Light - \$75,000 for the initial three-year term and \$25,000 per year for each renewal period.

This item is an allowance and is intended to reimburse the CONTRACTOR for costs required by FPL to provide an electrical service connection, shutdown, or other service as may be required. This item shall be used only when authorized by the COUNTY in writing.

Measurement shall be based on the FPL invoice for the work provided. Payment will be at the FPL invoiced amount, as evidenced by the FPL invoice and shall constitute full compensation for the services provided.



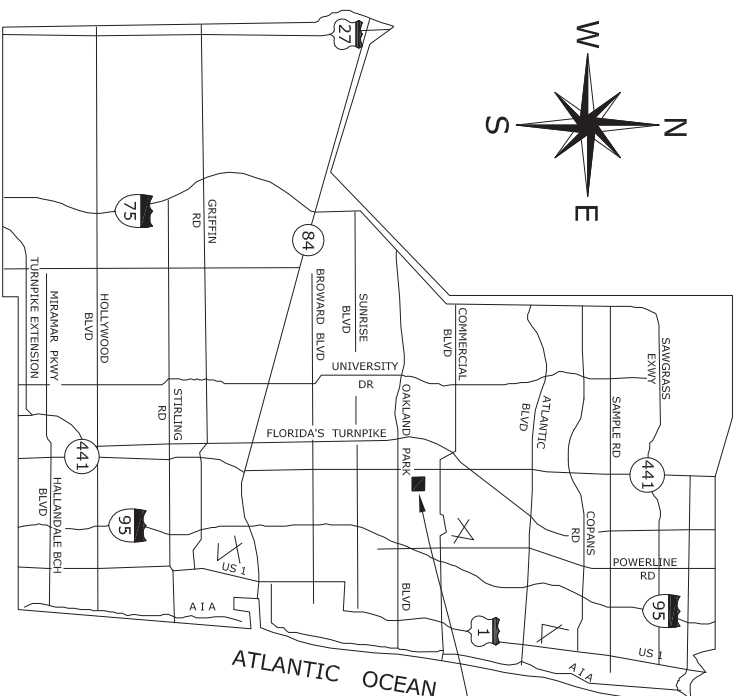
PUBLIC WORKS DEPARTMENT WATER & WASTEWATER SERVICES

ENGINEERING DIVISION
2555 WEST COPANS ROAD
POMPANO BEACH, FL 33069

LIFT STATION REHABILITATION AND REPAIR

BCWWS PROJECT No. 100768

DRAWING INDEX



PROJECT LOCATION
SECTION-XX
TOWNSHIP-XX S
RANGE-XX E

BROWARD COUNTY, FL
GENERAL LOCATION MAP

BID SET
BID NO.
11/2020

THE SIZE OF THESE PLANS MAY HAVE BEEN ALTERED BY REPRODUCTION.
THIS MUST BE CONSIDERED WHEN OBTAINING DATA.

DESCRIPTION	SHEET DESIGNATION
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CONTRACTOR TO COMPLY WITH FS CHAPTER 556 (UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT).



DEPARTMENT OF PUBLIC WORKS
WATER & WASTEWATER SERVICES
ENGINEERING DIVISION
2555 WEST COPANS ROAD
POMPANO BEACH, FL 33069
PHONE NO. 954-831-0745 FAX: 954-831-0925

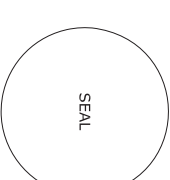
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FS Chapter 281.301
FS Chapter 119.071(3)(b)
FS Chapter 153

PERMIT SET
MUST BE ON SITE AT ALL TIMES DURING CONSTRUCTION AND REMOVED IMMEDIATELY UPON COMPLETION OF WORK WITHIN THE PUBLIC ROW OR EASEMENTS SHALL BE IN ACCORDANCE WITH SPECIFIED SPECIFICATIONS AND THE PUBLIC ROW OR EASEMENTS SHALL BE MAINTAINED AT ALL TIMES. IN THE PUBLIC ROW CONTACT THE BCHED AT 954-831-0745 FOR MORE INFORMATION. A REPORT FOR CONSTRUCTION COMMENCING CONSTRUCTION IN THE PUBLIC ROW. BROWARD COUNTY PUBLIC WORKS DEPT HISTORICAL CONSTRUCTION & ENGINEERING DIV
 PUBLIC RIGHT OF WAY APPROVAL/FOR PLAT REQUIREMENTS
 PLAT REQUIREMENTS
 PLAT, GRADING AND BENCH MARKS

PROJECT NAME:
LIFT STATION REHABILITATION AND REPAIR

PROJECT NO. **8548-100768**

BID NO.



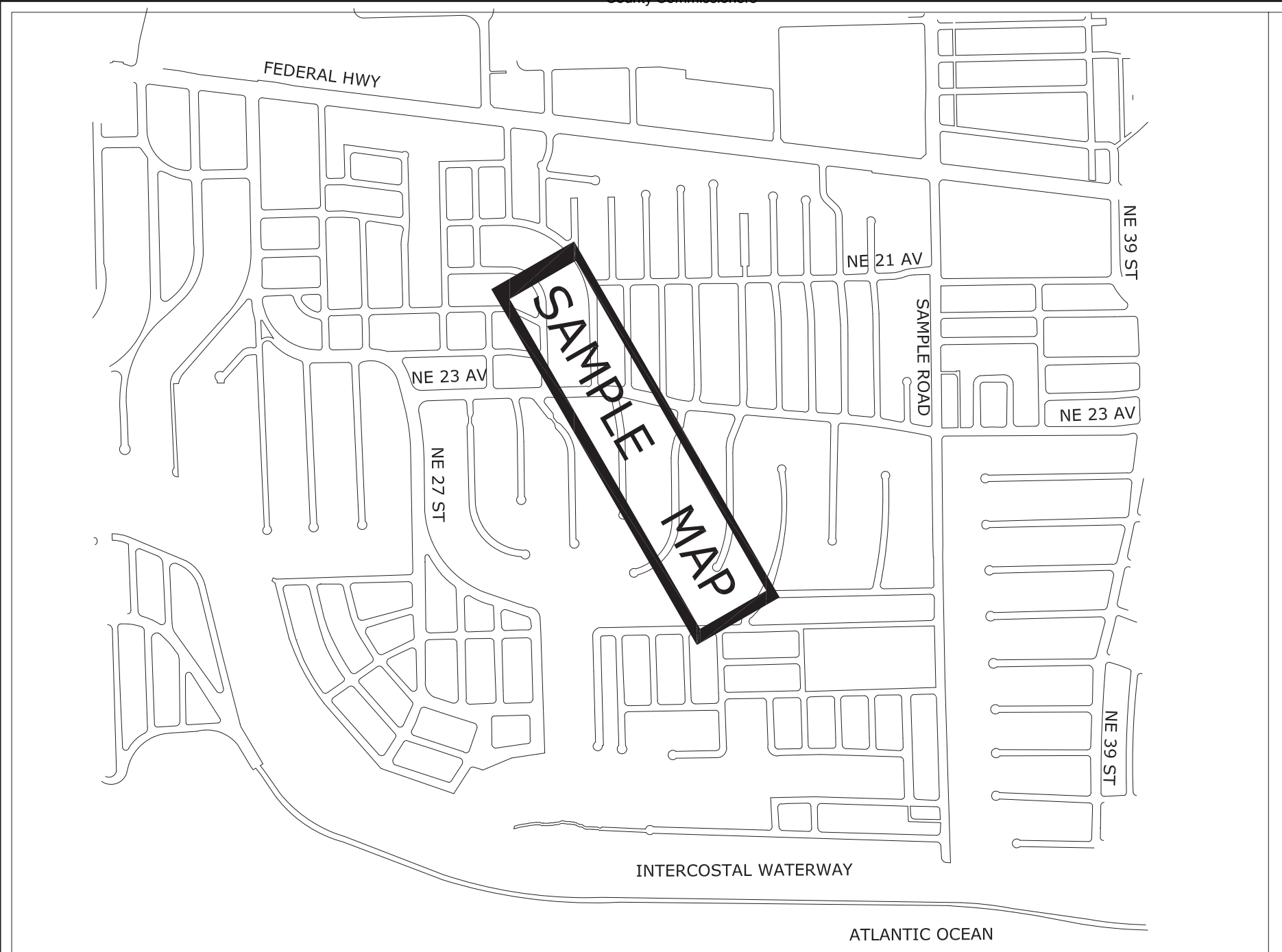
David J. O'Connor 11/6/20
FLORIDA P.E. No. 18502 DATE
DESIGN: DJO [DRAWN: JJC] [CHECK: DJO]
DATE: REVISION DESCRIPTION:

DRAWING NAME:
COVER SHEET

SCALE: AS SHOWN DWG NO:

DESIGNATION:
G-1

LOCATION MAP



ABBREVIATIONS

A	AIR CONDITIONING	E	EAST	L	LINEAR FEET	RJ	RESTRAINED JOINT
AC	ASBESTOS	EA	ELECTRIC BOX	LN	LINE POLE	RM	ROOM
ACHT	AIR CONDITIONING OFFICIALS	ECC	ELECTRIC CURB	LS	LEFT	RMB	REBUILT PRESSURE BACK
ADA	ABANDON	ECCR	ELECTRIC REDUCER	LT	LOAD	RMP	FLOW REVERTER
ADA1P	ABANDON IN PLACE ASPHALT STRENE	EEL	ELECTRIC LINE	LTV	LOW WATER LEVEL	RMT	REVISIONS PER MINUTE
AS	ASBESTOS	EL	ELEVATION	M	METER	RT	REINFORCING STEEL
ASB	ASBESTOS-CEMENT PIPE	ELM	ELEVATION METER	MAINT	MAINTENANCE	RUB	REUSE WATER
ASCP	ASPHALT-COATED CORRUGATED METAL PIPE	ELST	ELEVATION STAKE	MAX	MAXIMUM	RUM	RAW WATER MAIN
ASDP	ASPHALT-COATED CORRUGATED METAL PIPE	ENR	EMERGENCY	MCC	MOTOR CONTROL CENTER	RWM	RAW WATER MAIN
ASMT	ASPHALT	ENGR	ENGINEER	MC	MOTOR CONTROL	RWN	RECYCLED WASH WATER
ASPH	ASPHALT	EOS	EDGE OF SIAIR	MCC	MOTOR CONTROL CENTER	RW	RIGHT-OF-WAY
ASPH1	ASPHALT	EPA	EDGE OF SIDEWALK / SHOULDER	MEG	MEGALITERS PER DAY	S	SOUTH
ASPH2	ASPHALT	ES	EDGE OF SIDEWALK / SHOULDER	MGD	MILLION GALLONS PER DAY	SA	SAMPLE
ASPH3	ASPHALT	EST	ESTIMATE	MGA	MILLION GALLONS PER DAY	SM	SANITARY
ASPH4	ASPHALT	ESTM	ESTIMATE	MGN	MINIMUM	SMA	SMALL
ASPH5	ASPHALT	ESTP	ESTIMATE	MNS	MINIMUM	SMAS	SMALL MAINTENANCE ACCESS STRUCTURE
ASPH6	ASPHALT	EX	EXISTING	MND	MINIMUM	SB	SOIL BORING
ASPH7	ASPHALT	EXIST	EXISTING	MNH	MINIMUM	SBS	SOUTH BELL TEL
ASPH8	ASPHALT	EXIS	EXISTING	MIS	MISCELLANEOUS	SC	SCOUR
ASPH9	ASPHALT	EXISG	EXISTING GRADE	MISB	MISCELLANEOUS	SCD	SCOUR CONCRETE
ASPH10	ASPHALT	EXISGR	EXISTING GRADE	MISCB	MISCELLANEOUS	SD	STORM DRAIN (GRAVITY)
ASPH11	ASPHALT	EXISGR1	EXISTING GRADE	MISCB1	MISCELLANEOUS	SDM	STORM DRAIN MAINTENANCE ACCESS STRUCTURE
ASPH12	ASPHALT	EXISGR2	EXISTING GRADE	MISCB2	MISCELLANEOUS	SE	SEWER
ASPH13	ASPHALT	EXISGR3	EXISTING GRADE	MISCB3	MISCELLANEOUS	SE1	SEWER
ASPH14	ASPHALT	EXISGR4	EXISTING GRADE	MISCB4	MISCELLANEOUS	SE2	SEWER
ASPH15	ASPHALT	EXISGR5	EXISTING GRADE	MISCB5	MISCELLANEOUS	SE3	SEWER
ASPH16	ASPHALT	EXISGR6	EXISTING GRADE	MISCB6	MISCELLANEOUS	SE4	SEWER
ASPH17	ASPHALT	EXISGR7	EXISTING GRADE	MISCB7	MISCELLANEOUS	SE5	SEWER
ASPH18	ASPHALT	EXISGR8	EXISTING GRADE	MISCB8	MISCELLANEOUS	SE6	SEWER
ASPH19	ASPHALT	EXISGR9	EXISTING GRADE	MISCB9	MISCELLANEOUS	SE7	SEWER
ASPH20	ASPHALT	EXISGR10	EXISTING GRADE	MISCB10	MISCELLANEOUS	SE8	SEWER
ASPH21	ASPHALT	EXISGR11	EXISTING GRADE	MISCB11	MISCELLANEOUS	SE9	SEWER
ASPH22	ASPHALT	EXISGR12	EXISTING GRADE	MISCB12	MISCELLANEOUS	SE10	SEWER
ASPH23	ASPHALT	EXISGR13	EXISTING GRADE	MISCB13	MISCELLANEOUS	SE11	SEWER
ASPH24	ASPHALT	EXISGR14	EXISTING GRADE	MISCB14	MISCELLANEOUS	SE12	SEWER
ASPH25	ASPHALT	EXISGR15	EXISTING GRADE	MISCB15	MISCELLANEOUS	SE13	SEWER
ASPH26	ASPHALT	EXISGR16	EXISTING GRADE	MISCB16	MISCELLANEOUS	SE14	SEWER
ASPH27	ASPHALT	EXISGR17	EXISTING GRADE	MISCB17	MISCELLANEOUS	SE15	SEWER
ASPH28	ASPHALT	EXISGR18	EXISTING GRADE	MISCB18	MISCELLANEOUS	SE16	SEWER
ASPH29	ASPHALT	EXISGR19	EXISTING GRADE	MISCB19	MISCELLANEOUS	SE17	SEWER
ASPH30	ASPHALT	EXISGR20	EXISTING GRADE	MISCB20	MISCELLANEOUS	SE18	SEWER
ASPH31	ASPHALT	EXISGR21	EXISTING GRADE	MISCB21	MISCELLANEOUS	SE19	SEWER
ASPH32	ASPHALT	EXISGR22	EXISTING GRADE	MISCB22	MISCELLANEOUS	SE20	SEWER
ASPH33	ASPHALT	EXISGR23	EXISTING GRADE	MISCB23	MISCELLANEOUS	SE21	SEWER
ASPH34	ASPHALT	EXISGR24	EXISTING GRADE	MISCB24	MISCELLANEOUS	SE22	SEWER
ASPH35	ASPHALT	EXISGR25	EXISTING GRADE	MISCB25	MISCELLANEOUS	SE23	SEWER
ASPH36	ASPHALT	EXISGR26	EXISTING GRADE	MISCB26	MISCELLANEOUS	SE24	SEWER
ASPH37	ASPHALT	EXISGR27	EXISTING GRADE	MISCB27	MISCELLANEOUS	SE25	SEWER
ASPH38	ASPHALT	EXISGR28	EXISTING GRADE	MISCB28	MISCELLANEOUS	SE26	SEWER
ASPH39	ASPHALT	EXISGR29	EXISTING GRADE	MISCB29	MISCELLANEOUS	SE27	SEWER
ASPH40	ASPHALT	EXISGR30	EXISTING GRADE	MISCB30	MISCELLANEOUS	SE28	SEWER
ASPH41	ASPHALT	EXISGR31	EXISTING GRADE	MISCB31	MISCELLANEOUS	SE29	SEWER
ASPH42	ASPHALT	EXISGR32	EXISTING GRADE	MISCB32	MISCELLANEOUS	SE30	SEWER
ASPH43	ASPHALT	EXISGR33	EXISTING GRADE	MISCB33	MISCELLANEOUS	SE31	SEWER
ASPH44	ASPHALT	EXISGR34	EXISTING GRADE	MISCB34	MISCELLANEOUS	SE32	SEWER
ASPH45	ASPHALT	EXISGR35	EXISTING GRADE	MISCB35	MISCELLANEOUS	SE33	SEWER
ASPH46	ASPHALT	EXISGR36	EXISTING GRADE	MISCB36	MISCELLANEOUS	SE34	SEWER
ASPH47	ASPHALT	EXISGR37	EXISTING GRADE	MISCB37	MISCELLANEOUS	SE35	SEWER
ASPH48	ASPHALT	EXISGR38	EXISTING GRADE	MISCB38	MISCELLANEOUS	SE36	SEWER
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ASPH50	ASPHALT	EXISGR40	EXISTING GRADE	MISCB40	MISCELLANEOUS	SE38	SEWER
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ASPH52	ASPHALT	EXISGR42	EXISTING GRADE	MISCB42	MISCELLANEOUS	SE40	SEWER
ASPH53	ASPHALT	EXISGR43	EXISTING GRADE	MISCB43	MISCELLANEOUS	SE41	SEWER
ASPH54	ASPHALT	EXISGR44	EXISTING GRADE	MISCB44	MISCELLANEOUS	SE42	SEWER
ASPH55	ASPHALT	EXISGR45	EXISTING GRADE	MISCB45	MISCELLANEOUS	SE43	SEWER
ASPH56	ASPHALT	EXISGR46	EXISTING GRADE	MISCB46	MISCELLANEOUS	SE44	SEWER
ASPH57	ASPHALT	EXISGR47	EXISTING GRADE	MISCB47	MISCELLANEOUS	SE45	SEWER
ASPH58	ASPHALT	EXISGR48	EXISTING GRADE	MISCB48	MISCELLANEOUS	SE46	SEWER
ASPH59	ASPHALT	EXISGR49	EXISTING GRADE	MISCB49	MISCELLANEOUS	SE47	SEWER
ASPH60	ASPHALT	EXISGR50	EXISTING GRADE	MISCB50	MISCELLANEOUS	SE48	SEWER
ASPH61	ASPHALT	EXISGR51	EXISTING GRADE	MISCB51	MISCELLANEOUS	SE49	SEWER
ASPH62	ASPHALT	EXISGR52	EXISTING GRADE	MISCB52	MISCELLANEOUS	SE50	SEWER
ASPH63	ASPHALT	EXISGR53	EXISTING GRADE	MISCB53	MISCELLANEOUS	SE51	SEWER
ASPH64	ASPHALT	EXISGR54	EXISTING GRADE	MISCB54	MISCELLANEOUS	SE52	SEWER
ASPH65	ASPHALT	EXISGR55	EXISTING GRADE	MISCB55	MISCELLANEOUS	SE53	SEWER
ASPH66	ASPHALT	EXISGR56	EXISTING GRADE	MISCB56	MISCELLANEOUS	SE54	SEWER
ASPH67	ASPHALT	EXISGR57	EXISTING GRADE	MISCB57	MISCELLANEOUS	SE55	SEWER
ASPH68	ASPHALT	EXISGR58	EXISTING GRADE	MISCB58	MISCELLANEOUS	SE56	SEWER
ASPH69	ASPHALT	EXISGR59	EXISTING GRADE	MISCB59	MISCELLANEOUS	SE57	SEWER
ASPH70	ASPHALT	EXISGR60	EXISTING GRADE	MISCB60	MISCELLANEOUS	SE58	SEWER
ASPH71	ASPHALT	EXISGR61	EXISTING GRADE	MISCB61	MISCELLANEOUS	SE59	SEWER
ASPH72	ASPHALT	EXISGR62	EXISTING GRADE	MISCB62	MISCELLANEOUS	SE60	SEWER
ASPH73	ASPHALT	EXISGR63	EXISTING GRADE	MISCB63	MISCELLANEOUS	SE61	SEWER
ASPH74	ASPHALT	EXISGR64	EXISTING GRADE	MISCB64	MISCELLANEOUS	SE62	SEWER
ASPH75	ASPHALT	EXISGR65	EXISTING GRADE	MISCB65	MISCELLANEOUS	SE63	SEWER
ASPH76	ASPHALT	EXISGR66	EXISTING GRADE	MISCB66	MISCELLANEOUS	SE64	SEWER
ASPH77	ASPHALT	EXISGR67	EXISTING GRADE	MISCB67	MISCELLANEOUS	SE65	SEWER
ASPH78	ASPHALT	EXISGR68	EXISTING GRADE	MISCB68	MISCELLANEOUS	SE66	SEWER
ASPH79	ASPHALT	EXISGR69	EXISTING GRADE	MISCB69	MISCELLANEOUS	SE67	SEWER
ASPH80	ASPHALT	EXISGR70	EXISTING GRADE	MISCB70	MISCELLANEOUS	SE68	SEWER
ASPH81	ASPHALT	EXISGR71	EXISTING GRADE	MISCB71	MISCELLANEOUS	SE69	SEWER
ASPH82	ASPHALT	EXISGR72	EXISTING GRADE	MISCB72	MISCELLANEOUS	SE70	SEWER
ASPH83	ASPHALT	EXISGR73	EXISTING GRADE	MISCB73	MISCELLANEOUS	SE71	SEWER
ASPH84	ASPHALT	EXISGR74	EXISTING GRADE	MISCB74	MISCELLANEOUS	SE72	SEWER
ASPH85	ASPHALT	EXISGR75	EXISTING GRADE	MISCB75	MISCELLANEOUS	SE73	SEWER
ASPH86	ASPHALT	EXISGR76	EXISTING GRADE	MISCB76	MISCELLANEOUS	SE74	SEWER
ASPH87	ASPHALT	EXISGR77	EXISTING GRADE	MISCB77	MISCELLANEOUS	SE75	SEWER
ASPH88	ASPHALT	EXISGR78	EXISTING GRADE	MISCB78	MISCELLANEOUS	SE76	SEWER
ASPH89	ASPHALT	EXISGR79	EXISTING GRADE	MISCB79	MISCELLANEOUS	SE77	SEWER
ASPH90	ASPHALT	EXISGR80	EXISTING GRADE	MISCB80	MISCELLANEOUS	SE78	SEWER
ASPH91	ASPHALT	EXISGR81	EXISTING GRADE	MISCB81	MISCELLANEOUS	SE79	SEWER
ASPH92	ASPHALT	EXISGR82	EXISTING GRADE	MISCB82	MISCELLANEOUS	SE80	SEWER
ASPH93	ASPHALT	EXISGR83	EXISTING GRADE	MISCB83	MISCELLANEOUS	SE81	SEWER
ASPH94	ASPHALT	EXISGR84	EXISTING GRADE	MISCB84	MISCELLANEOUS	SE82	SEWER
ASPH95	ASPHALT	EXISGR85	EXISTING GRADE	MISCB85	MISCELLANEOUS	SE83	SEWER
ASPH96	ASPHALT	EXISGR86	EXISTING GRADE	MISCB86	MISCELLANEOUS	SE84	SEWER
ASPH97	ASPHALT	EXISGR87	EXISTING GRADE	MISCB87	MISCELLANEOUS	SE85	SEWER
ASPH98	ASPHALT	EXISGR88	EXISTING GRADE	MISCB88	MISCELLANEOUS	SE86	SEWER
ASPH99	ASPHALT	EXISGR89	EXISTING GRADE	MISCB89	MISCELLANEOUS	SE87	SEWER
ASPH100	ASPHALT	EXISGR90	EXISTING GRADE	MISCB90	MISCELLANEOUS	SE88	SEWER
ASPH101	ASPHALT	EXISGR91	EXISTING GRADE	MISCB91	MISCELLANEOUS	SE89	SEWER
ASPH102	ASPHALT	EXISGR92	EXISTING GRADE	MISCB92	MISCELLANEOUS	SE90	SEWER
ASPH103	ASPHALT	EXISGR93	EXISTING GRADE	MISCB93	MISCELLANEOUS	SE91	SEWER
ASPH104	ASPHALT	EXISGR94	EXISTING GRADE	MISCB94	MISCELLANEOUS	SE92	SEWER
ASPH105	ASPHALT	EXISGR95	EXISTING GRADE	MISCB95	MISCELLANEOUS	SE93	SEWER
ASPH106	ASPHALT	EXISGR96	EXISTING GRADE	MISCB96	MISCELLANEOUS	SE94	SEWER
ASPH107	ASPHALT	EXISGR97	EXISTING GRADE	MISCB97	MISCELLANEOUS	SE95	SEWER
ASPH108	ASPHALT	EXISGR98	EXISTING GRADE	MISCB98	MISCELLANEOUS	SE96	SEWER
ASPH109	ASPHALT	EXISGR99	EXISTING GRADE	MISCB99	MISCELLANEOUS	SE97	SEWER
ASPH110	ASPHALT	EXISGR100	EXISTING GRADE	MISCB100	MISCELLANEOUS	SE98	SEWER
ASPH111	ASPHALT	EXISGR101	EXISTING GRADE	MISCB101	MISCELLANEOUS	SE99	SEWER
ASPH112	ASPHALT	EXISGR102	EXISTING GRADE	MISCB102	MISCELLANEOUS	SE100	SEWER
ASPH113	ASPHALT	EXISGR103	EXISTING GRADE	MISCB103	MISCELLANEOUS	SE101	SEWER
ASPH114	ASPHALT	EXISGR104	EXISTING GRADE	MISCB104	MISCELLANEOUS	SE102	SEWER
ASPH115	ASPHALT	EXISGR105	EXISTING GRADE	MISCB105	MISCELLANEOUS	SE103	SEWER
ASPH116	ASPHALT	EXISGR106	EXISTING GRADE	MISCB106	MISCELLANEOUS	SE104	SEWER
ASPH117	ASPHALT	EXISGR107	EXISTING GRADE	MISCB107	MISCELLANEOUS	SE105	SEWER
ASPH118	ASPHALT	EXISGR108	EXISTING GRADE	MISCB108	MISCELLANEOUS	SE106	SEWER
ASPH119	ASPHALT	EXISGR109	EXISTING GRADE	MISCB109	MISCELLANEOUS	SE107	SEWER
ASPH120	ASPHALT	EXISGR110	EXISTING GRADE	MISCB110	MISCELLANEOUS	SE108	SEWER
ASPH121	ASPHALT	EXISGR111	EXISTING GRADE	MISCB111	MISCELLANEOUS	SE109	SEWER
ASPH122	ASPHALT	EXISGR112	EXISTING GRADE	MISCB112	MISCELLANEOUS	SE110	SEWER
ASPH123	ASPHALT	EXISGR113	EXISTING GRADE	MISCB113	MISCELLANEOUS	SE111	SEWER
ASPH124	ASPHALT	EXISGR114	EXISTING GRADE	MISCB114	MISCELLANEOUS	SE112	SEWER
ASPH125	ASPHALT	EXISGR115	EXISTING GRADE	MISCB115	MISCELLANEOUS	SE113	SEWER
ASPH126	ASPHALT	EXISGR116	EXISTING GRADE	MISCB116	MISCELLANEOUS	SE114	SEWER
ASPH127	ASPHALT	EXISGR117	EXISTING GRADE	MISCB117	MISCELLANEOUS	SE115	SEWER
ASPH128	ASPHALT	EXISGR118	EXISTING GRADE	MISCB118	MISCELLANEOUS	SE116	SEWER
ASPH129	ASPHALT	EXISGR119	EXISTING GRADE	MISCB119	MISCELLANEOUS	SE117	SEWER
ASPH130	ASPHALT	EXISGR120	EXISTING GRADE	MISCB120	MISCELLANEOUS	SE118	SEWER
ASPH131	ASPHALT	EXISGR121	EXISTING GRADE	MISCB121	MISCELLANEOUS	SE119	SEWER
ASPH132	ASPHALT	EXISGR122	EXISTING GRADE	MISCB122	MISCELLANEOUS	SE120	SEWER
ASPH133	ASPHALT	EXISGR123	EXISTING GRADE	MISCB123	MISCELLANEOUS	SE121	SEWER
ASPH134							

LIFT STATION NOTES

GENERAL

1. ALL CONSTRUCTION AND MATERIALS SHALL COMPLY WITH BROWARD COUNTY WATER AND WASTEWATER SERVICES TECHNICAL STANDARDS AND APPLICABLE LOCAL AND NATIONAL CODES.
2. MINIMUM REQUIREMENTS FOR PRODUCTS USED IN BROWARD COUNTY DISTRIBUTION AND COLLECTION SYSTEMS ARE DEFINED IN PRODUCT SPECIFICATION SHEETS.
3. FOR ALL WATER & WASTEWATER TECHNICAL STANDARDS AND "PRODUCT SPECIFICATION SHEETS" REFER TO: WWW.BROWARD.ORG/WATERSERVICES/ENGINEERING/PAGES/MINIMUMDESIGNCONSTRUCTIONSTANDARDS.JSP.
4. WHENEVER A MATERIAL, ARTICLE OR SPECIFICATION IS IDENTIFIED IN THE PROJECT MANUAL INCLUDING DRAWINGS (PLANS) AND SPECIFICATIONS BY REFERENCE TO MANUFACTURER'S OR VENDOR'S NAME, TRADE MARKS, CATALOG NUMBERS, OR OTHER MARKINGS, IT IS INTENDED MERELY TO ESTABLISH A POINT OF REFERENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, ANY MATERIAL, ARTICLE OR EQUIPMENT OF OTHER MANUFACTURERS AND VENDORS WHICH WILL PERFORM OR MEET THE REQUIREMENTS OF THE GENERAL DESIGN. THIS IS NOT TO BE CONSIDERED AN ACCEPTANCE OF THE MATERIAL, ARTICLE OR EQUIPMENT SO PROPOSED IS IN THE OPINION OF THE BROWARD COUNTY WATER & WASTEWATER SERVICES ENGINEERING DIVISION. REFER TO PRODUCT SPECIFICATION SHEETS AT WWW.BROWARD.ORG.

5. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO COMPLETE THE WORK AS SPECIFIED.
6. IF APPLICABLE THE CONTRACTOR SHALL SUPPLY ALL LABOR AND EQUIPMENT NECESSARY TO IN-PLACE THE LIFT STATION DURING CONSTRUCTION AND MAINTAIN SAID BRASS FOR THE DURATION OF ITS USE.
7. COMPLIANCE TO "TRAINED SAFETY ACT" IS REQUIRED FOR ALL REGULATIONS IN EXCESS OF A FEET DEEP. CONTRACTOR SHALL COMPLY WITH THE U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION STANDARDS OSHA 29 CFR 1910.146, "PERMIT-REQUIRED CONFINED SPACES" AND OSHA 29 CFR 1926, "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION."
8. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY:
 - SUNSHINE STATE 1 CALL 811
 - BROWARD COUNTY 954-831-0838
 - BROWARD COUNTY PUBLIC WORKS DEPT 954-831-0920
 - BROWARD COUNTY WATER & WASTEWATER SERVICES ENGINEERING DIVISION 954-831-0920
9. THE CONTRACTOR SHALL ATTACH PUMP GUIDE RAILS AS PER MANUFACTURER'S RECOMMENDATIONS.
10. ALL VALVES ARE TO BE TAGGED, STATING TYPE OF VALVE AND NUMBER OF TURNS TO OPERATE. IF THE VALVE IS BURIED, A BRASS PLATE WILL BE CAST IN THE CONCRETE AROUND THE VALVE COVER. IF THE VALVE IS LOCATED IN A PIT, THE TAG SHALL BE HUNG FROM THE VALVE WITH A PLASTIC STRAP.
11. ALL VALVE BOXES SHALL HAVE LOCKING LIDS.
12. ALL JOINTS SHALL BE RESTRAINED IN ACCORDANCE WITH THE PANS, SPECIFICATIONS AND IN FITTINGS AND VALVES WITHIN WET WELLS AND VALVES SHALL BE FLANGED. BURIED PIPING, FITTINGS AND VALVES SHALL HAVE MECHANICAL JOINT (MJ) CONNECTIONS.
13. COMPLETE AS-BUILT INFORMATION RELATIVE TO VALVES, FITTINGS, LENGTH OF PIPE AND THE LINE SHALL BE ACCURATELY RECORDED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE OF THE WORK. ALL ELEVATIONS SHALL BE TAKEN BY AN INDEPENDENT REGISTERED LAND SURVEYOR OR PROFESSIONAL SURVEYOR AND MAPPER AND INCLUDED IN THE AS-BUILT INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, FINAL REVIEW AND APPROVAL OF THE AS-BUILT INFORMATION FURNISHED TO THE REGULATOR AGENCIES AND BROWNS.
14. ALL ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE BASED ON THE NORTH AMERICAN FOOT UNLESS OTHERWISE NOTED.
15. CONTRACTOR SHALL PROVIDE IDENTIFICATION SIGNS AS SHOWN.
 - SIZE: 18" H X 12" W
 - MATERIAL: ALUMINUM WITH WHITE REFLECTIVE BACKGROUND AND RED LETTERS.
 - SMALL LETTERS SHALL BE 1/2" HIGH
 - BORDER SHALL BE 3/4" THICK.
 - ORIENT 1/4" FROM EDGE OF SIGN
 - SIGN SHALL BE ATTACHED TO THE FENCE, IF AVAILABLE, OR CONTROL PANEL WHERE VISIBLE FROM THE STREET.



PUMPS AND CONTROL PANEL

1. PUMPS WILL BE PROVIDED TO THE CONTRACTOR, BY BROWNS, FOR INSTALLATION INTO THE WORK. ALL APPURTENANCES REQUIRED TO MAKE A COMPLETE AND OPERATING SYSTEM SHALL BE FINISHED AND INSTALLED BY THE CONTRACTOR. PUMPS WILL BE SUPPLIED WITH 60 FT CABLES.
2. CONTROL PANEL WITH LOUVERED ENCLOSURE IS TO BE PROVIDED BY BROWNS.

CAST-IN-PLACE CONCRETE

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH FLORIDA BUILDING CODE (FBC), AMERICAN CONCRETE INSTITUTE (ACI) 318 AND THE CONTRACT SPECIFICATIONS.
2. COMPLETE ENGINEERING AND PRODUCT DATA SHALL BE SUBMITTED TO THE ENGINEER ON ALL ADJUSTERS, CURING COMPOUNDS, HARDENERS, SEALERS, REINFORCING STEEL AND WATER STOPS IN ACCORDANCE WITH THE SPECIFICATIONS.
3. REINFORCEMENT STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615.
4. CONCRETE COVER FOR STEEL REINFORCEMENT SHALL BE AS SPECIFIED ON ACI 318.
5. PIPES, INSERTS AND OTHER METAL OBJECTS SHOWN SHALL BE BURIED INTO, SET IN, OR ATTACHED TO THE CONCRETE. ALL REQUIRED HOLES SHALL BE CAST AT THE TIME OF CONSTRUCTION.
6. ALL CAST-IN-PLACE CONCRETE SHALL BE ACCURATELY FORMED AND PROPERLY PLACED AND FINISHED AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
7. CONCRETE SHALL BE EITHER CLASS A OR CLASS B, AS INDICATED ON THE DRAWINGS OR SPECIFIED IN THESE SPECIFICATIONS. IN GENERAL CLASS A CONCRETE SHALL BE USED FOR REINFORCED CONCRETE AND SIMILAR REINFORCED CONCRETE STRUCTURES COMING UNDER THE SCOPE OF ACI 318. CLASS B CONCRETE SHALL BE PLAIN CONCRETE AND SHALL BE USED FOR PIPE CHANGES, PIPE AND CONDUIT ENGAGEMENT, BEDDING, GRADE CONNECTION, ANCHORS, COLLARS, THRUST BLOCKS, MASSIVE SECTIONS AND OTHER NON-REINFORCED CONCRETE.

FINISHING UNFORMED SURFACES

CLASS OF CONCRETE	AGE	AVERAGE OF THREE CONSECUTIVE SPECIMENS	MINIMUM ANY ONE SPECIMEN
A	28 DAYS	4,000 PSI	3,500 PSI
B	28 DAYS	3,000 PSI	2,500 PSI

1. NO SURFACE TREATMENT WILL BE REQUIRED FOR BURIED CONCRETE NOT FORMING AN INTEGRAL PART OF SURFACES. FRIE OF LATANCE, THE UNFORMED SURFACES OF ALL OTHER CONCRETE SHALL BE SCREEDED AND GIVEN AN INITIAL FINISH FOLLOWED BY ADDITIONAL FLOATING FOLLOWED BY TROWELING WHERE REQUIRED. CARE SHALL BE TAKEN THAT NO EXCESS WATER IS PRESENT WHEN THE FINISH IS APPLIED. UNFORMED CONCRETE OR CEMENT MORTAR TOPPING COURSE SHALL BE USED UNLESS SO SHOWN ON THE DRAWINGS.
2. SCREEDING, SCREEDING SHALL PROVIDE A CONCRETE SURFACE CONFORMING TO THE PROPER SLOPE AND CONFORM WITH THE CONCRETE WORKING SPECIFICATIONS. THE TOP SURFACE SHALL BE FINISHED TO BE FREE OF A 10-FEET STRAIGHT EDGE.
3. FLOATING, SCREEDING SURFACES SHALL BE GIVEN AN INITIAL FLOAT FINISH AS SOON AS THE CONCRETE IS PLACED. THE SURFACE SHALL BE FINISHED TO BE FREE OF A 10-FEET STRAIGHT EDGE. FOLLOWED BY A SECOND FLOATING AT THE TIME OF INITIAL SET. THE SECOND FLOATING SHALL PRODUCE A FINISH OF UNIFORM TEXTURE AND COLOR, UNLESS ADDITIONAL FINISHING IS SPECIFICALLY REQUIRED. THE COMPLETED FINISH FOR UNFORMED SURFACES SHALL BE THE FLOAT FINISH PRODUCED BY THE SECOND FLOATING.
4. BROODING SURFACES OF EQUIPMENT BASES AND SLABS ON GRADE SHALL BE GIVEN A LIGHT BROOD FINISH PROVIDING A NONSLIP SURFACE. BROODING SHALL BE DONE AFTER THE SECOND FLOATING AND FOR TRAFFIC AREAS SHALL BE AT RIGHT ANGLES TO THE NORMAL TRAFFIC DIRECTION.
5. EDGING: ALL PERMANENTLY EXPOSED EDGES OF UNFORMED SURFACES SHALL BE CHAMFERED WITH A 3/4 INCH APPROVED EDGING TOOL UNLESS OTHER EDGE TREATMENT IS INDICATED ON THE DRAWINGS. CURING: ALL CONCRETE SHALL BE PROTECTED FROM LOSS OF MOISTURE BY CURING FOR AT LEAST 14 DAYS FOLLOWING PLACEMENT. CURING OPERATIONS SHALL TAKE PLACE IMMEDIATELY AFTER CONCRETE FINISHING IS COMPLETE OR FORMS ARE REMOVED. BREAKING OF FORM TIES OR CURING SHALL BE DONE BETWEEN THE CONCRETE SURFACE AND THE FORM SHALL BE CONSIDERED FORM REMOVAL.

PRE-CAST CONCRETE

1. WALL AND SLAB THICKNESSES SHOWN ON THESE STANDARDS ARE MINIMUMS. MANUFACTURER IS SOLELY RESPONSIBLE FOR STRUCTURAL DESIGN.
2. PRE-CAST UNITS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-473.
3. LIFTING HOLES THROUGH THE STRUCTURE ARE NOT PERMITTED.
4. THE BOTTOM SLAB SHALL BE CAST MONOLITHICALLY WITH THE LOWER WALL SECTION.
5. ALL STRUCTURES SHALL BE DESIGNED TO SUPPORT AN H-20 WHEEL LOADING.
6. COMPLETE ENGINEERING AND PRODUCT DATA SHALL BE SUBMITTED TO THE ENGINEER.

ACCESS HATCH

1. EACH HATCH SHALL BE DESIGNED ACCORDING TO THE OPENINGS SHOWN ON THE DRAWINGS. THE ACCESS FRAMES SHALL BE MANUFACTURED FROM 1/4-INCH THICK, EXTRUDED 6063-T5 ALUMINUM.
2. THE FRAME SHALL BE DRAINABLE WITH A 1 1/2-INCH THREADED DRAIN COUPLING LOCATED ON CORNER FRAME.
3. THE DOOR PANELS SHALL CLOSE FLUSH AND SHALL BE 1/4-INCH THICK 5066-H34 ALUMINUM DIAMOND (CHECKER) PLATE REINFORCED FOR ASHTO H-20-44 WHEEL LOADS.
4. REMOVABLE ALUMINUM CROSS-BARS SHALL BE PROVIDED BY THE HATCH SUPPLIER AS REQUIRED TO ACCOMPLISH THE STATED LOADING.
5. THE DOORS SHALL HAVE HEAVY DUTY STAINLESS STEEL BUTT HINGES WITH TAMPER-PROOF FASTENERS.
6. ALL HARDWARE SHALL BE MADE OF TYPE 316 STAINLESS STEEL.
7. EACH DOOR SHALL HAVE SPRING OPERATORS SUCH THAT THE MAXIMUM LIFTING EFFORT IS LESS THAN 25 POUNDS.
8. THE HATCH SUPPLIER SHALL PROVIDE THE NUMBER OF SPRING OPERATORS AS REQUIRED TO ACCOMPLISH THE MAXIMUM LIFTING REQUIREMENT.
9. EACH DOOR SHALL OPEN TO 90 DEGREE AND LOCK AUTOMATICALLY WITH A STAINLESS STEEL POSITIVE LOCKING ARM AND A STAINLESS STEEL RELEASE HANDLE.
10. EACH DOOR SHALL HAVE A RECESSED STAINLESS STEEL LIFTING HANDLE AND RECESSED OVERSIZED PADLOCK BOX.
11. THE HATCH SHALL BE DESIGNED WITH A TYPE 316 STAINLESS STEEL SLAM-LOCK WITH A REMOVABLE HANDLE.
12. ALL ACCESS DOORS SHALL BE PROVIDED WITH A NEOPRENE GASKET ON THE INSIDE LIP OF THE FRAME PERIMETER, TO FORM AN ESSENTIALLY AIR-TIGHT SEAL.
13. ALL ACCESS DOORS SHALL BE EQUIPPED WITH A MINIMUM OF FOUR (4) STAINLESS STEEL CARBIDE BOLTS WITH WELDED NUTS TO SECURE THE DOORS IN THE DOWN POSITION. BOLTS SHALL CONFORM TO THE MANUFACTURERS RECOMMENDATION.

WETWELL REHABILITATION

1. SURFACE PREPARATION
- A. ANY LOOSE, UNSOUND, OR CRACKED BRICK OR CONCRETE SHALL BE CHISELED OR HAMMERED OUT.
- B. ALL SURFACES TO RECEIVE EITHER THE ONE COMPONENT RENOVACED MORTAR OR EPOXY LINING SHALL BE STRUCTURALLY SOUND AND SHALL BE CLEANED TO REMOVE LANTAGE, GREASE, LOOSE MORTAR, PAINT OR OTHER SURFACE CONTAMINANTS USING SAND BLASTING, HYDRO-GUAST BLASTING AT 3,500 PSI MINIMUM OR OTHER MECHANICAL SCOURIFICATION TECHNIQUES APPROVED BY THE ENGINEER.
- C. SURFACE SHALL BE TESTED BY THE CONTRACTOR, IN THE PRESENCE OF THE ENGINEER, USING A PHTHONOL SURFACE SHALL INDICATE A pH=7.0 OR GREATER.
- D. ALL ACTIVE LEAKS IN THE STRUCTURE SHALL BE STOPPED USING CHEMICAL GROUTING AND HYDRAULIC CEMENT.
- E. ALL CRACKS, VOIDS AND REMOVED STEP HOLES SHALL BE FILLED USING A WATER RESISTANT FAST-SETTING CEMENT PATCH.

REBUILDING CONCRETE SURFACES

1. THE CONCRETE SHALL BE RETURNED TO ITS ORIGINAL WALL THICKNESS USING A ONE COMPONENT MORTAR, MINIMUM INSTALLED THICKNESS SHALL BE 1/2".
2. ONE COMPONENT, REINFORCED WET MORTAR. THE ONE COMPONENT MORTAR SHALL BE MICRO-SILICA ENHANCED, FIBER REINFORCED AND BE DESIGNED FOR CORROSIVE ENVIRONMENTS WITH A pH=2.0 OR HIGHER. REINFORCED MORTAR SHALL HAVE THE FOLLOWING MINIMUM PHYSICAL PROPERTIES:
 - 1. FLEXURAL STRENGTH 1,000 PSI @ 28 DAYS ASTM C78-84
 - 2. COMPRESSIVE STRENGTH 9000 PSI @ 28 DAYS ASTM C109-92
 - 3. DENSITY (WEF): 130 LB/CU. FT. ASTM C138-92
 - 4. SLITTING TENSILE STRENGTH: 700 PSI @ 28 DAYS ASTM G96-90
 - 5. SLANT SHEAR BOND STRENGTH: 2250 PSI @ 28 DAYS ASTM C82-91
 - 6. SULFATE RESISTANCE WEIGHT LOSS PH 1.0 < 0.2% ASTM C-627 pH 5.0 < 1.8%
3. MATERIAL SHALL BE BAFS 5P15, OR APPROVED EQUIVALENT.

PAINTING & COATINGS:

1. WETWELL & VALVE VAULT EXTERIOR: THE EXTERIOR OF WET WELL & VALVE VAULTS SHALL BE COATED WITH TWO (2), 10 MILS (DFT) EACH COAT OF A BITUMASTIC COATING (20 MILS TOTAL DFT), BITUMASTIC COATING SHALL BE CARBOLINE (KOPERS) 300K, OR APPROVED EQUAL.
2. WETWELL INTERIOR, OPTION A, THE INTERIOR OF A NEW OR REHABILITATED WET WELL, WHERE DIRECTED BY BROWNS, SHALL BE COATED WITH TWO (2) COATS, 15 MILS (DFT) EACH, OF A BITUMASTIC COATING (30 MILS DFT, TOTAL). BITUMASTIC COATING SHALL BE CARBOLINE (KOPERS) 300K, OR APPROVED EQUAL.
3. WETWELL INTERIOR, OPTION B, THE INTERIOR OF A NEW OR REHABILITATED WET WELL, WHERE DIRECTED BY BROWNS, SHALL BE COATED WITH A SPRAYABLE, HIGH BUILD, MOISTURE TOLERANT, CHEMICAL RESISTANT EPOXY COATING DESIGNED TO BE APPLIED ON DRY OR DAMP CONCRETE. THE COATING SHALL BE BAFS SWR GRAB 150, OR OTHER APPROVED MATERIAL ON THE BROWNS PRODUCT SPECIFICATION SHEETS. APPLY MATERIAL USING A 30:0 OR 45:1 AIRLESS SPRAYER TO A MINIMUM DRY THICKNESS OF 60 MILS IN TWO (2) COATS.
4. VALVE VAULT COATING INTERIOR SURFACES: THE INTERIOR CONCRETE SURFACES OF VALVE VAULTS SHALL BE COATED WITH A 100% SOLIDS POLYURETHANE EPOXY SPECIFICALLY DESIGNED FOR WASTEWATER IMMERSION AND LOW PERMEATION TO H₂S GAS. MATERIAL SHALL BE IN CONFORM WITH THE BROWNS PRODUCT SPECIFICATION SHEETS. FINAL COAT SHOULD BE BEING IN SURFACE FINISHING AND APPLICATION SHALL BE IN ACCORDANCE WITH THE MORE STRINGENT OF THE MANUFACTURERS RECOMMENDATIONS OR LISTED IN THE PRODUCT SPECIFICATION SHEETS.
5. DUCTILE IRON PIPE AND FITTINGS: DIP EXTERIOR SURFACES SHALL BE COATED WITH A 10% POLYURETHANE EPOXY SPECIFICALLY DESIGN FOR WASTEWATER IMMERSION AND LOW PERMEATION TO H₂S GAS. MATERIAL SHALL CONFORM WITH THE PRODUCT SPECIFICATION SHEETS, OR APPROVED EQUAL, APPLIED IN TWO (2) COATS (20 MILS (DFT) EACH (40.0 MIL DFT, TOTAL). DIP INTERIOR SURFACES SHALL BE COATED WITH 40 MILS (DFT) OF PROTECTIVE 401.
6. VALVES SHALL RECEIVE ONLY THE FINAL, 20 MIL (DFT) COAT. FINAL COLOR TO BE BEIGE. SURFACE PREPARATION, PRIMING AND APPLICATION SHALL BE IN ACCORDANCE WITH THE MORE STRINGENT OF THE MANUFACTURERS RECOMMENDATIONS OR LISTED IN THE PRODUCT SPECIFICATION SHEETS. MATERIAL SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION. CERTIFICATION OF MANUFACTURER SHALL BE PROVIDED.

ELECTRICAL NOTES:

1. PIPING STATION CONTROL PANEL SHALL BE PROVIDED BY BROWNS. OTHER PANELS, COMPONENTS PARTS AND APPURTENANCES TO BE INSTALLED BY BROWNS. CONSTRUCTION IS DIRECTED TO BROWNS WEBSITE, WWW.BROWARD.ORG - FIND AN AGENCY - WATER & WASTEWATER SERVICES - WATER /WASTEWATER TECHNICAL STANDARDS - PUMP STATION DETAILS - FOR INFORMATION ON CONTROL PANELS.
2. CONTROL PANEL ELECTRICAL SYSTEM SHALL BE COMPLETELY AND EFFECTIVELY GROUNDED AS REQUIRED BY NEC.
3. ALL ELECTRICAL INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE NEC AND SHALL COMPLY WITH ALL NATIONAL AND LOCAL RULES, ORDINANCES, AND CODES AT THE TIME OF INSTALLATION.
4. ALL SERVICE CONDUCTORS SHALL BE STRANDED COPPER TYPE THW.
5. ALL ENCLOSURES SHALL BE 316 STAINLESS STEEL. WATERIGHT NEMA 3R. RIGHT SIDE OPENING. ALL MOUNTING HARDWARE MUST BE 316 SST.
6. USE T & B CONNECTION RESISTANT, TIGHTER-STRAP, RELIEF, THERMO-PLASTIC RESERVE CORD & CABLE CONNECTOR ON THE INSIDE OF THE TOP CONNECTION PANEL TO FIT APPROPRIATE CABLE SIZE TRANSFER SWITCH MAY BE MOUNTED ON EITHER END BUT GENERATOR RECEIVER MUST BE ON OUTSIDE. (STATE LEFT OR RIGHT SIDE GEN. RECP. WHEN ORDERING).
7. ALL PUMP MOTORS SHALL BE 3 PHASE. WHEN THE LOCAL POWER COMPANY CANNOT PROVIDE 3 PHASE POWER TO THE STATION, A "NOTOPIHASE" PHASE CONVERTER SHALL BE SUPPLIED TO PROVIDE 3 PHASE POWER TO THE STATION.
8. ALL CONTROL CIRCUIT WIRES SHALL BE TERMINATED WITH FORK TYPE COPPER CONNECTORS AND SHALL HAVE AN ADJACENT HEAT SHINK NUMBER, CORRESPONDING EACH CONNECTOR WITH NUMBERS AS INDICATED ON THE SCHEMATIC. NO CONCEALED WIRING SHALL BE PERMITTED BEHIND THE SUB PANEL.
9. EACH DEVICE IN THE CONTROL CIRCUIT SHALL BE IDENTIFIED WITH THE PROPER CONTROL CIRCUIT LABELING AS SHOWN IN THE TABLE AND ON THE SCHEMATIC.
10. FROM THE REAR SIDE OF THE REAR RIGHT HINGED PANEL, ALL WIRES SHALL BE NEATLY LACED TOGETHER INTO A HARNESS AND TERMINATED INTO A TERMINAL STRIP.
11. DRIVEN GROUND ROD WHICH DOES NOT HAVE A RESISTANCE TO GROUND OF 10 OHMS OR LESS SHALL BE AUGMENTED UNTIL THE RESISTANCE TO GROUND IS 10 OHMS OR LESS. LIGHTNING ARRESTER LEADS TO BE ATTACHED TO THE HUBS FERMOST RESIST HEAT SHINK ATTITUDE # 4891.
12. ALL BRANCH CIRCUITS SHALL HAVE PROPER SIZE WIRING.
13. WHEN CONNECTIONS ARE COMPLETE IN THE CONNECTION BOX, COAT THE TERMINAL BLOCKS AND WIRE ENDS WITH PROTECTIVE COMPOUND, NO-OXIDE OR EQUAL, TO PREVENT CORROSION.
14. SCHEMATIC DRAWINGS SHALL BE PLACED IN STATION ARE TO BE ENCLOSED BETWEEN TWO PIECES OF 3/16" PLEXIGLASS.
15. ELECTRICAL SERVICE SHALL BE A MINIMUM OF 100 AMPS OF # 1 THIN STRANDED COPPER WIRE IN RIGID ALUMINUM CONDUIT-MINIMUM SIZE = 1 1/2". INTERMEDIATE METAL CONDUIT UNACCEPTABLE.
16. UNDERGROUND SERVICE PULL BOXES ARE TO BE INSTALLED AT EACH 250 FEET OF SERVICE PULL. THE VOLTAGE DROP TO BE LIMITED TO A MAXIMUM OF 3 PERCENT DROP.
17. RUBBER TUBING SHALL BE CLEAR, 1/4" TROGON (OR APPROVED EQUIVALENT), BACK-UP SENSOR TUBING TO BE RED.
18. TUBING FITTINGS SHALL BE SWAGelok BRASS FITTINGS (OR APPROVED EQUAL).

COLOR CODING:

1. SINGLE PHASE 120/240V-BLACK, WHITE AND RED.
2. THREE PHASE 120/240V 4 WIRE-4LT, LEG CENTER AND ORANGE. WHENEVER NEUTRAL IS PRESENT, IN THE ABSENCE OF NEUTRAL, THEY WILL BE MARKED BLACK, RED, AND BLUE AND/OR A-B-C. WILL CONSTITUTE CLOCKWISE ROTATION OF ALL 3-PHASE MOTORS. THIS IS TO ASSURE PHASE RELATION THROUGHOUT THE SYSTEM.
3. 120/208V 4 WIRE. THREE PHASE SHALL BE BLACK, WHITE, RED, AND BLUE WHERE THE NEUTRAL IS PRESENT. IF THE NEUTRAL IS ABSENT, BLACK, RED, AND BLUE AND/OR A-B-C WILL CONSTITUTE CLOCKWISE ROTATION OF ALL THREE PHASE MOTORS. THIS IS TO ASSURE PHASE RELATION THROUGHOUT THE SYSTEM.
4. 227/480V, 4-WIRE-BROWN, ORANGE, YELLOW AND WHITE WHEN THE NEUTRAL IS PRESENT. IF THE NEUTRAL IS ABSENT A-B-C WILL CONSTITUTE CLOCKWISE ROTATION OF ALL THREE PHASE MOTORS. THIS IS TO ASSURE PHASE RELATION THROUGHOUT THE SYSTEM.
5. FABRICATE ANTENNA MAST FROM A 21 FOOT LENGTH OF 3/4" DIAMETER SCHEDULE 40 ALUMINUM PIPE. PAINT LOWER THREE (3) FEET WITH ASPHALTUM PAINT. CAP THE TOP OF PIPE.
6. RUN 3/4 INCH RIGID ALUMINUM CONDUIT UP THE MAST FOR THE ANTENNA CABLE TO WITHIN 16 INCHES OF THE ANTENNA. THE ANTENNA SHALL BE MOUNTED TO THE MAST WITH TWO (2) U-BOLTS AS SHOWN. USE STAINLESS STEEL UNITS/UTR AND CLAMPS TO HOLD CONDUITS TO THE MAST.
7. MOUNT FLOOD LIGHT AND FLASHING RED LIGHT ON THE ANTENNA MAST AT TEN (10) FEET AND EIGHT (8) FEET ABOVE GRADE.
8. TEST PUMPS AS FOLLOWS:
 - A. TECHNICIAN MUST BE PRESENT TO CONDUCT TESTS.
 - B. MEGGER MOTORS, MOTORS SHALL BE 20 MEGOHMS OR MORE TO GROUND. DO NOT MEGGER LOW VOLTAGE CONTROLS.
 - C. CHECK VOLTAGE, CHECK PUMP ROTATION, RECORD VOLTAGE AND AMPS UNDER LOAD.
 - D. DEMONSTRATE PROPER OPERATION OF ALL CONTROLS.
 - E. CONDUCT BRANDDOWN TESTS AS REQUIRED.
 - F. CHECK OPERATION WITH OWNERS PORTABLE GENERATOR AND CHANGE WIRE CONNECTIONS IN THE PANEL TO GIVE CORRECT ROTATION.
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 - E. CONDUCT BRANDDOWN TESTS AS REQUIRED.
 - F. CHECK OPERATION WITH OWNERS PORTABLE GENERATOR AND CHANGE WIRE CONNECTIONS IN THE PANEL TO GIVE CORRECT ROTATION.

TRAFFIC REGULATION

1. MAINTENANCE OF TRAFFIC IN THE PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE PLANNING DEPARTMENT AND THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION BEFORE STARTING WORK IN THE PUBLIC RIGHT-OF-WAY.
2. ALL OTHER TRUCKS, AND HOLES ADJACENT TO ROADWAYS OR VARIATIONS SHALL BE PROPERLY MARKED AND BARREDED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
3. NO TRUCKS OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHT HOURS. UNLESS IN COMPLIANCE WITH THEIR SHOULDERS APPROVED BY THE ENGINEER OF RECORD AND ROADWAY DIVISION.
4. THE SAFE WALK ROUTE FOR ALL SCHOOLS WITHIN THE VICINITY OF THE CONSTRUCTION ZONE SHALL BE MAINTAINED DURING THE ARRIVAL AND DEPARTURE OF SCHOOL.
5. "SCHOOL SAFETY COORDINATOR" AT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, (954) 842-2600, TO SET UP A "PRE-CONSTRUCTION SAFETY MEETING."
6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, FOR ANY NECESSARY CONSTRUCTION, PAVEMENT MARKING AND SIGNAL OR ANY PEDESTRIAN SIGNALIZATION AND/OR SIGNAL MODIFICATION TO ACCOMMODATE AN ALTERNATE SAFE WALK ROUTE.
7. IN THE CASE THAT A DESIGNATED CROSSING OR ANY PORTION OF THE DESIGNATED WALK ROUTE CANNOT BE MAINTAINED, THEN THE CONTRACTOR SHALL NOTIFY THE "SCHOOL SAFETY COORDINATOR" AT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, (954) 842-2600, TO SET UP A "PRE-CONSTRUCTION SAFETY MEETING."
8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL TRAFFIC CONTROL DEVICES DURING CONSTRUCTION. ANY DEVICE DAMAGED DURING CONSTRUCTION, SHALL BE PROPERLY REPAIR OR REPLACE. ALL TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED IN ACCORDANCE WITH BROWARD COUNTY TRAFFIC ENGINEERING STANDARDS AND BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION MINIMUM STANDARDS.

EROSION CONTROL

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL LOCAL, STATE, AND FEDERAL POLLUTION PREVENTION REQUIREMENTS, INCLUDING, BUT NOT LIMITED TO, F.D.E.P., M.F.D.E.S. REQUIREMENTS.
2. NO UNAUTHORIZED DISTURBANCE OF EXISTING WETLANDS WILL BE PERMITTED. TEMPORARILY INSTALL SILT FENCES, BARBERS OR HAY BALES IMMEDIATELY ADJACENT TO AND UPDRAIN FROM ALL EXISTING WETLAND PROTECTION MEASURES. AFTER THE PROJECT HAS BEEN ACCEPTED BY BROWNS, PERSONNEL THIS WORK AT NO EXPENSE TO BROWNS AND COMPLY WITH FLORIDA DEPARTMENT OF TRANSPORTATION'S ROADWAY AND TRAFFIC DESIGN STANDARDS, INDEX NO. 102, LATEST EDITION.
3. ALL CONSTRUCTION ACTIVITIES SHALL INCORPORATE BEST MANAGEMENT PRACTICES TO CONTROL, REDUCE, SEDIMENTATION, AND THE POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION. CONSTRUCTION PRACTICES INCLUDE:
 - A. CONSTRUCT TEMPORARY SEDIMENTATION BASINS OR EARthen BENS AT DOWN-SLOPE/GRADIENT ENDS OF UNSTABLE GRADED AREAS TO PROVIDE FOR SEDIMENT AND TURBIDITY REMOVAL.
 - B. LIMIT SITE CLEARING TO THOSE AREAS REQUIRED FOR A PARTICULAR PHASE OF CONSTRUCTION. EXISTING TREES AND VEGETATION ARE TO REMAIN WHENEVER POSSIBLE.
 - C. TURBIDITY BARRIERS, HAY BALES AND OTHER EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL CONSTRUCTION ACTIVITIES ARE COMPLETE AND THE POTENTIAL FOR EROSION IS ELIMINATED.
 - D. SEED AND MULCH (LAKE, DITCH AND SWALE BANKS) AS SOON AS POSSIBLE AFTER CONSTRUCTION IN ORDER TO STABILIZE THE SLOPES AND MINIMIZE EROSION. IN AREAS DELINEATED AS "WETLANDS" RE-VEGETATE IN ACCORDANCE WITH PERMIT CONDITIONS.
 - E. DO NOT EMPLOY SILT FENCES IN A MANNER TO CAUSE THEM TO ACT AS A DAM ACROSS NATURAL OR DESIGNED FLOWING WATERCOURSES. USE SILT FENCES AT UPLAND LOCATIONS, AND TURBIDITY BARRIERS IN PERMANENT WATER BODIES, REGARDLESS OF WATER DEPTH.
 - F. TURBIDITY BARRIERS FOR STREAMS AND CREEKS MAY BE EITHER FLOATING OR STAKED TYPE, OR ANY COMBINATION OF TYPES THAT WILL SUIT SITE CONDITIONS, AND MEET EROSION CONTROL AND WATER QUALITY REQUIREMENTS. INSTALL POSTS AND STAKED TURBIDITY BARRIERS IN THE VERTICAL POSITION UNLESS OTHERWISE NOTED.

6. SITE CLEAN-UP AND MAINTENANCE

1. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER, AND UPON FINAL CLEAN-UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE BROWN STREET CLEAN.
2. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED BY THE ENGINEER, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY THE WORK, EQUIPMENT, OR EMPLOYEES, TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS.
3. WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR HAS BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE WORK, THE CONTRACTOR SHALL REMOVE AND SATISFACTORILY DISPOSED AND THE DEBRIS LEFT IN A CLEAN AND NEAT CONDITION.
4. ALL CONTRACTOR EQUIPMENT, OR PERMANENT REFERENCES, REMOVED OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED BY A STATE OF FLORIDA REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.

BROWARD COUNTY
DEPARTMENT OF PUBLIC WORKS
WATER & WASTEWATER SERVICES
ENGINEERING DIVISION
1555 W. STATE ROAD 3089
FORT LAUDERDALE, FL 33309
PHONE NO: 954-831-0745 FAX: 954-431-0925

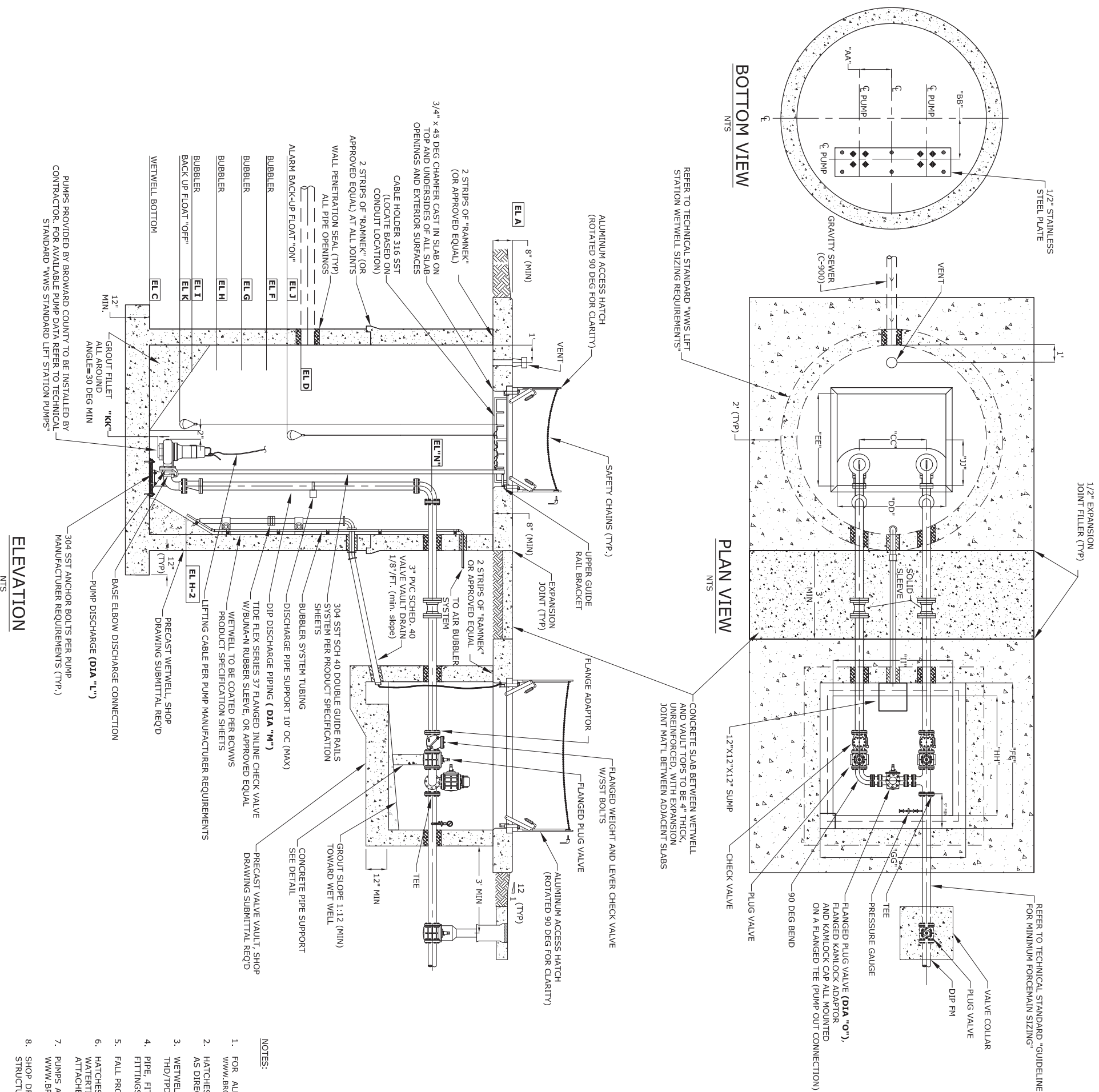
CONFIDENTIAL
BROWARD COUNTY PUBLIC WORKS DEPT
NOT FOR PUBLIC DISCLOSURE
In Accordance with:
FS Chapter 281.301
FS Chapter 119.07(13)(b)
FS Chapter 153

PROJECT NAME:
LIFT STATION REHABILITATION
PROJECT NO.: 8548-100768
BID NO.:

DAVID J. O'CONNOR 11/6/20
FLORIDA P.E. NO. 18502 DATE
DESIGN: DJO DRAWING: JIC CHECK: DJO
DATE: REVISION DESCRIPTION:

SEAL

LIFT STATION NOTES
DRAWING NAME:
DWG NO:
SCALE:
DESIGNATION:
G-3



1. FOR ALL WATER AND WASTEWATER TECHNICAL STANDARDS VISIT THE WWS WEBSITE AT: WWW.BROWARD.ORG/WATERSERVICES/ENGINEERING/PAGES/TECHNICALSTANDARDS.ASPX.
 2. HATCHES FRAME OPENING AND VALVE VAULT INTERIOR WALL DIMENSION TO BE 60"x60", 72"x72" OR AS DIRECTED BY WWS.
 3. WETWELL AND VALVE VAULT HATCHES SHALL BE US FOUNDRY, HALLIDAY (OR APPROVED EQUAL) THD/TPD ALUMINUM ACCESS HATCHES. ALL HARDWARE TO BE 316 STAINLESS STEEL.
 4. PIPE, FITTINGS AND VALVES INSIDE THE WETWELL AND VAULT SHALL BE FLANGED. BURIED PIPE, FITTINGS AND VALVES SHALL HAVE MECHANICAL JOINT (MJ) CONNECTIONS.
 5. FALL PROTECTION REQUIRED FOR WETWELL AND VALVE VAULT (SUBMITTAL REQUIRED).
 6. HATCHES TO BE EQUIPPED WITH AUTOMATIC HOLD OPEN ARMS, HORIZONTAL COMPRESSION SPRINGS, WATERTIGHT SLAM LOCKS, RECESSED OVERSIZED PADLOCK BOX, AND SAFETY CHAINS. HINGES TO BE ATTACHED USING TAMPER PROOF CARRIAGE BOLTS WITH WELDED NUTS.
 7. PUMPS ARE PROVIDED BY BROWARD COUNTY. REFER TO "WWS STANDARD LIFT STATION PUMPS" AT WWW.BROWARD.ORG FOR AVAILABLE PUMP DATA.
 8. SHOP DRAWINGS REQUIRED FOR PRECAST WETWELL, VALVE VAULT AND TOP SLABS. ALL PRECAST STRUCTURES MUST MEET ASTM C478 SPECIFICATIONS.

PARAMETER	VALUE
PUMP STATION NO.	XXX
Model Number / Impeller (mm)	
VOLTAGE/CYCLES/PHASE	
HORSE POWER	
SHUT-OFF HEAD (FT)	
MID-POINT FLOW (GPM)	
MID-POINT HEAD (FT)	
EFFICIENCY AT DESIGN POINT (%)	
RUN OUT FLOW (GPM)	
RUN OUT HEAD (FT)	
FINISHED TOP OF SLAB EL "A"	
WETWELL DIAMETER "B" (FT)	
WETWELL BOTTOM ELEVATION "C"	
INFLUENT PIPE DIAMETER (INCHES)	
INFLUENT PIPE INVERT ELEVATION "D"	
ALARM ELEVATION "E"	
LAG PUMP "ON" ELEVATION "G"	
LEAD PUMP "ON" ELEVATION "H"	
BUBBLER ELEVATION "H-2"	
PUMPS "OFF" ELEVATION "I"	
ALARM/FLOAT PUMP "ON" ELEVATION "J"	
BACK-UP FLOAT PUMP "OFF" ELEVATION "K"	
PUMP DISCHARGE DIAMETER "L" (INCHES)	
DISCHARGE PIPE DIAMETER "M" (INCHES)	
DISCHARGE PIPE CL ELEVATION "N"	
PUMP OUT DIAMETER "O" (INCHES)	
DIMENSION "AA" (IN)	
DIMENSION "BB" (IN)	
DIMENSION "CC" (IN)	
DIMENSION "DD" (IN)	
DIMENSION "EE" (IN)	
DIMENSION "FF" (IN)	
DIMENSION "GG" (IN)	
DIMENSION "HH" (IN)	
DIMENSION "II" (IN)	
DIMENSION "JJ" (IN)	
DIMENSION "KK" (IN)	

PUMP STA No.	PARAMETERS	FLOW (GPM)	HEAD (FT)
XXX		XXX	XX

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Broward County Public Works Department
 NOT FOR PUBLIC DISCLOSURE
 FS Chapter 281.301
 FS Chapter 119.071(3)(b)
 FS Chapter 153

BROWARD COUNTY

DEPARTMENT OF PUBLIC WORKS
 WATER & WASTEWATER SERVICES
 ENGINEERING DIVISION
 PROJECT NO. 8548-100768
 PHONE NO. 954-831-0745 FAX: 954-831-0925

PERMIT SET

MUST BE ON SITE AT ALL TIMES DURING CONSTRUCTION AND REMAIN WITHIN THE PUBLIC ROW OR EASEMENT SHALL BE IN INSPECTION REQUIRED 24 HRS PRIOR TO COMMENCING ANY WORK IN THE PUBLIC ROW CONTACT THE BROWARD AT

NOTE: APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A MUST BE OBTAINED FROM THE BROWARD COUNTY PUBLIC WORKS DEPT. COMMENCING CONSTRUCTION IN THE PUBLIC ROW.

BROWARD COUNTY PUBLIC WORKS DEPT.
 HIGHLIGHT PLAN REQUIREMENTS
 PUBLIC REPORT OR PLAN APPROVAL FOR PUBLIC REVIEW AND DATE
 PUBLIC REVIEW AND DATE
 BY: _____ DOES NOT INCLUDE APPROVAL OF MATERIALS, METHODS & AIDS

PROJECT NAME:
LIFT STATION REHABILITATION AND REPAIR

PROJECT NO. **8548-100768**

BID NO. _____

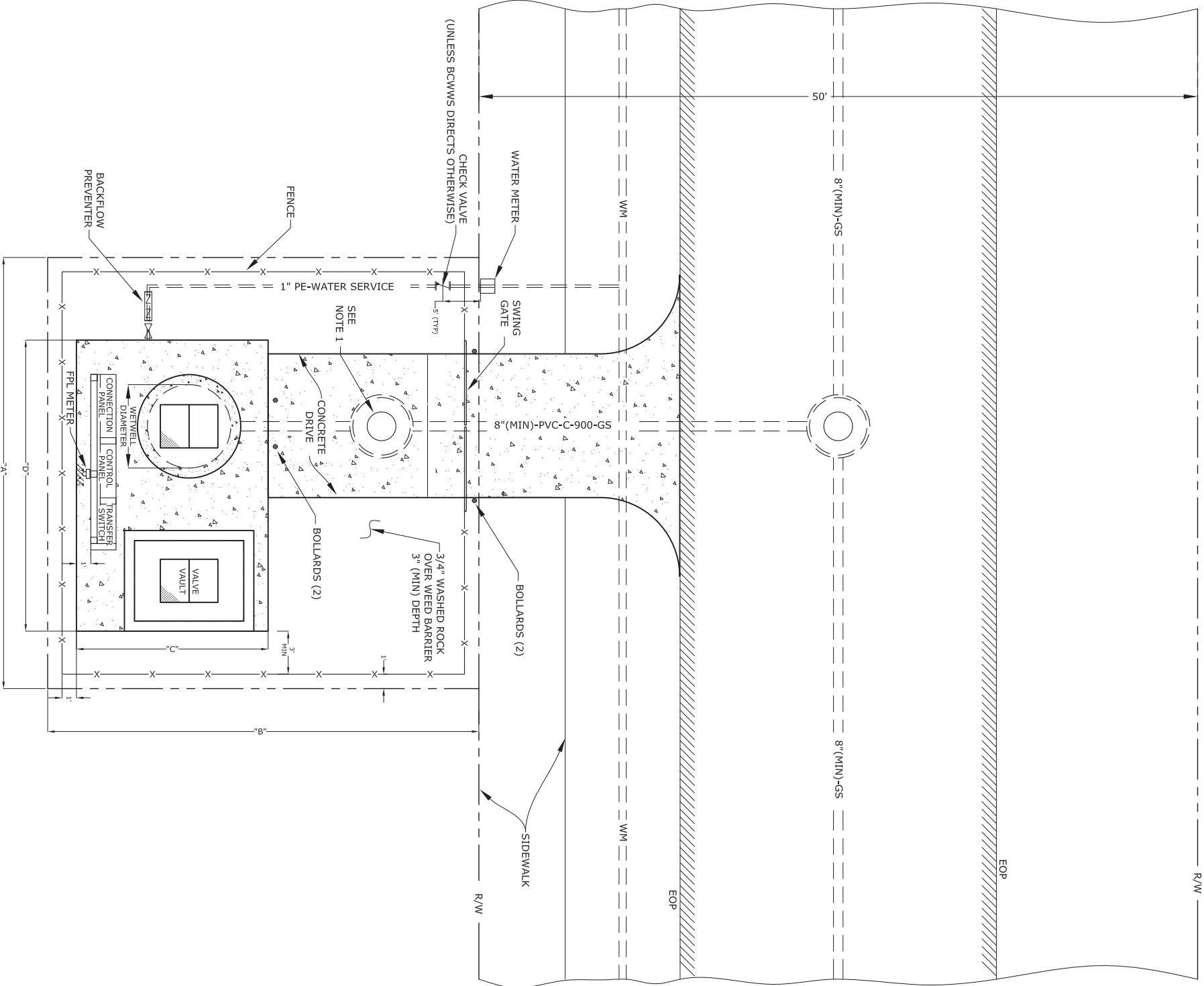
David J. O'Connor 11/6/20
 FLORIDA P.E. No. 18502 DATE
 DESIGNER: DJO DRAWING: JJC CHECK: DJO
 DATE: _____ REVISION DESCRIPTION: _____

SEAL

DRAWING NAME:
PLAN AND ELEVATION

SCALE: _____ DWG NO: _____

DESIGNATION:
M-1



TYPICAL SITE PLAN
NTS

NOTES:

1. MAINTENANCE ACCESS STRUCTURES SHALL BE INSTALLED WITHIN THE PUMP STATION EASEMENT AS SHOWN UNLESS BCWWS DIRECTS OTHERWISE.
2. FINISH GRADE ELEVATION FOR WETWELL AND VALVE VAULT SHALL BE A MINIMUM OF ONE FOOT ABOVE THE FEMA 100 YR FLOOD ELEVATION OR NOT LOWER THAN CROWN OF ROAD.
3. ALL CONCRETE SLABS ON GRADE SHALL BE CLASS A.
4. DRIVEWAY SHALL BE 6-INCH THICK CONCRETE, WITHOUT REINFORCEMENT, UNLESS BCWWS DIRECTS OTHERWISE.
5. THIS SITE LAYOUT IS GENERAL IN NATURE AND SHOULD BE MODIFIED AS REQUIRED FOR EACH INDIVIDUAL LIFT STATION. BCWWS RESERVES THE RIGHT TO MODIFY PROPOSED LAYOUT TO MEET OPERATIONAL NEEDS.

WET WELL DIAMETER	"A"	"B"	"C"	"D"
6 ft.	30.00'	30.00'	13.34'	20.25'
8 ft.	30.00'	30.00'	16.34'	22.25'
10 ft.	32.00'	32.00'	19.00'	27.50'

BROWARD COUNTY
FLORIDA

DEPARTMENT OF PUBLIC WORKS
WATER & WASTEWATER SERVICES
ENGINEERING DIVISION
2535 WEST COXSON ROAD
FORT LAUDERDALE, FL 33311
PHONE NO. 954-831-6745 FAX: 954-831-0925

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Broward County-OWWS Document
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In Accordance with:
FS Chapter 281, 301
FS Chapter 119.071(3)(b)
FS Chapter 153

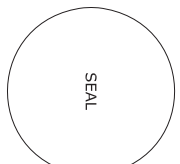
PERMIT SET
MUST BE ON SITE AT ALL TIMES DURING CONSTRUCTION AND REMOVED IMMEDIATELY UPON COMPLETION OF WORK WITHIN THE PUBLIC R/W OR EASEMENTS SHALL BE IN ACCORDANCE WITH SCALED SPECIFIC CONDITIONS. NOTICE OF CONSTRUCTION SHALL BE POSTED AT THE COMMENCEMENT OF WORK IN THE PUBLIC R/W CONTRACT THE RICHCEB AT THE COMMENCEMENT OF WORK.
NOTE: APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A GUARANTEE OF PERFORMANCE OR A WARRANTY OF ANY KIND. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES BEFORE COMMENCING CONSTRUCTION IN THE PUBLIC R/W.
BROWARD COUNTY PUBLIC WORKS DEPT
HIGHWAY CONSTRUCTION & ENGINEERING DIV
DATE: _____
 PUBLIC REPORT OF W/W APPROVAL FOR PERMIT SET
 FINISH, GRADING AND SURFING
 R/W REQUIREMENTS

BH _____ DOES NOT INCLUDE SEPARATE OF PAVEMENT MARKINGS & SIGNS

PROJECT NAME:
LIFT STATION REHABILITATION AND REPAIR

PROJECT NO. **8548-100768**

BID NO. _____

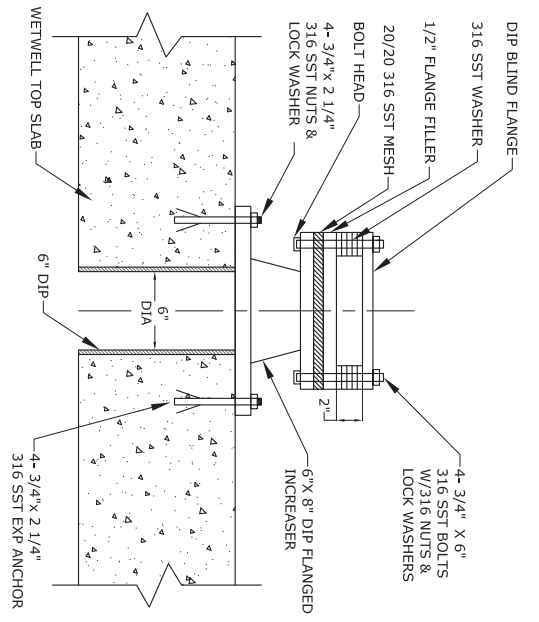


David J. O'Connor 11/6/20
FLORIDA P.E. No. 18502 DATE
DESIGNER: DJO | DRAWN: JJC | CHECK: DJO
DATE: _____ REVISION DESCRIPTION: _____

DRAWING NAME:
TYPICAL SITE PLAN

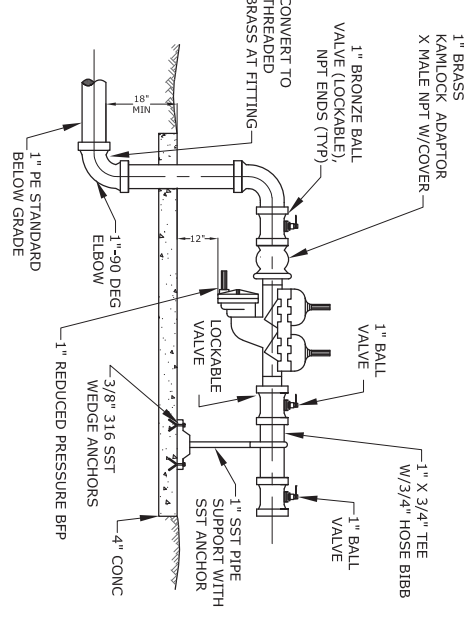
SCALE: _____ DWG NO: _____

DESIGNATION:
M-2



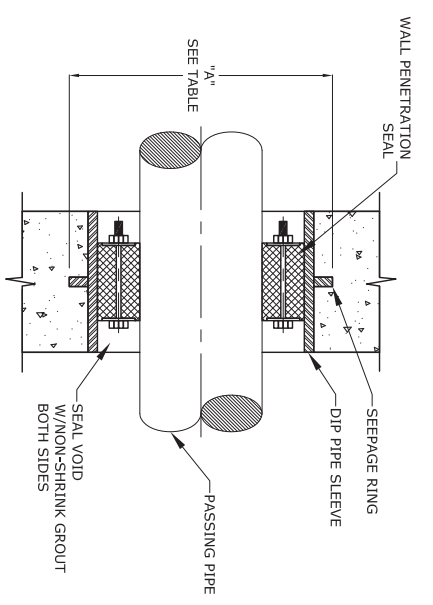
NOTE:
THE PENETRATION FOR THE VENT ASSEMBLY SHALL BE LOCATED 1" INSIDE THE INTERIOR WETWELL WALL AND CENTERED OPPOSITE FROM THE DISCHARGE PIPING.

6" WETWELL VENT
DETAIL
NTS



NOTE:
ALL ABOVE GROUND PIPE & FITTINGS TO BE SCH 40 BRASS.

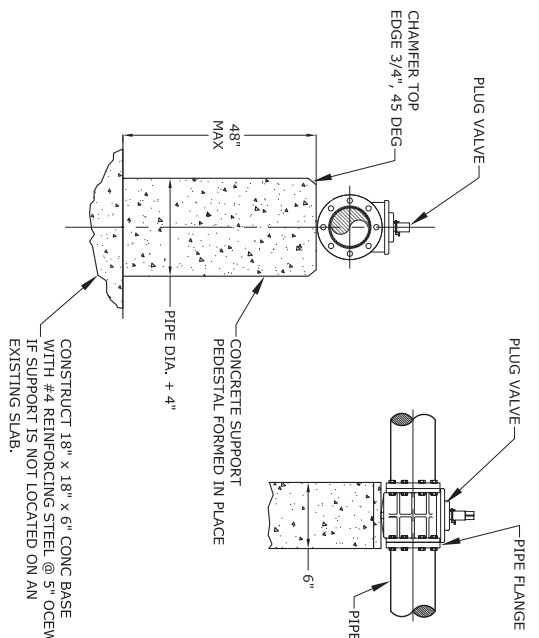
BACKFLOW PREVENTER
DETAIL
NTS



NOTES:
1. ALL DIMENSIONS ARE GIVEN IN INCHES.
2. USE ON NEW CONSTRUCTION, UNLESS OTHERWISE APPROVED BY BCWWS.

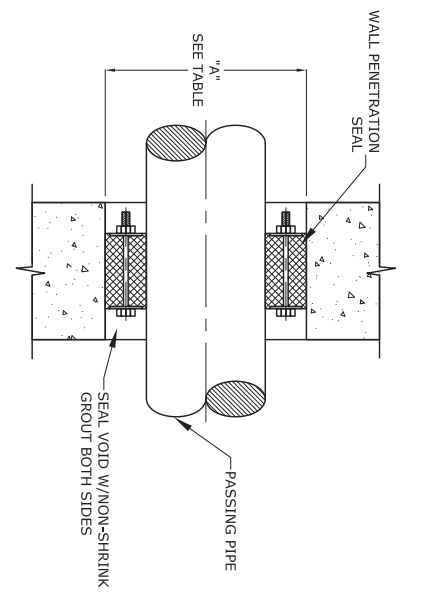
PIPE SIZE	NOMINAL SLEEVE DIA	"A"	NOMINAL SLEEVE DIA	"A"
2	4	6	16	19
2-1/2	4	6	18	21
3	4	6	20	23
4	4	6	22	25
6	10	13	24	27-1/2
8	12	15	26	29
10	14	17	28	32

WALL SLEEVE PENETRATION SEAL
DETAIL
NTS



NOTES:
1. CONCRETE SHALL BE 4000 PSI, UNREINFORCED.
2. SEE PLANS AND SECTIONS FOR PIPE ELEVATION REQUIREMENT.
3. PIPE SUPPORT SUITABLE FOR PIPE SIZES 3" THROUGH 24" DIA.
4. SUPPORT STRAIGHT PIPE SECTION, FITTING OR PLUG VALVE. DO NOT PLACE UNDER CHECK VALVE.

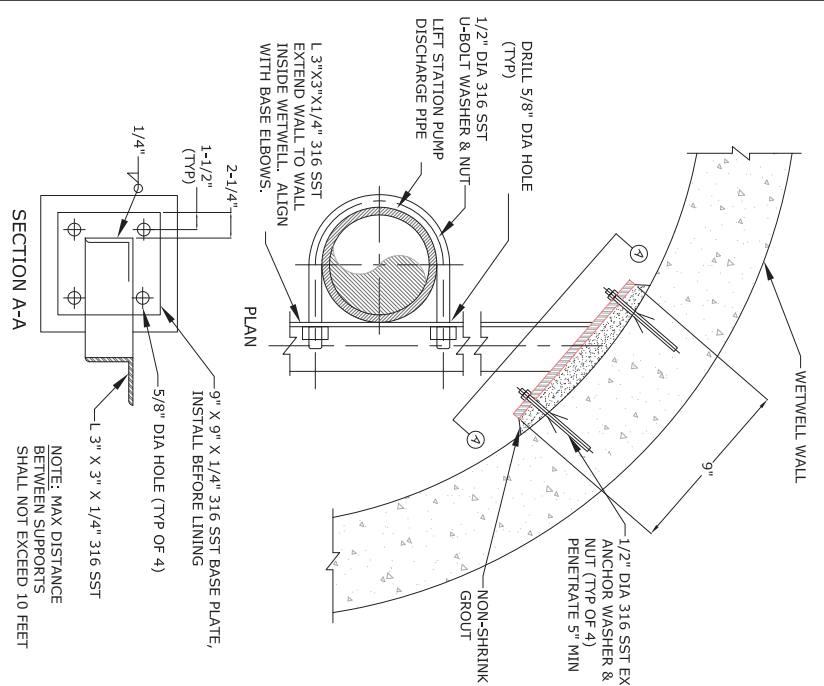
PIPE SUPPORT - CONCRETE PEDESTAL
DETAIL
NTS



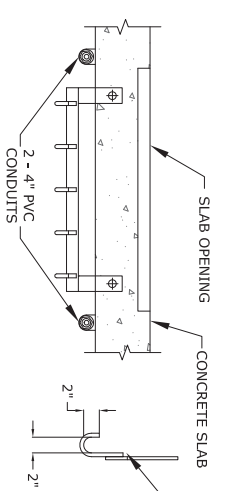
NOTES:
1. ALL DIMENSIONS ARE GIVEN IN INCHES.
2. USE ON EXISTING CONSTRUCTION.

PIPE SIZE	"A"	PIPE SIZE	"A"
2	4	12	16
2-1/2	4	14	18
3	4	16	20
4	4	18	22
6	10	20	24
8	12	22	26
10	14	24	28
		26	30

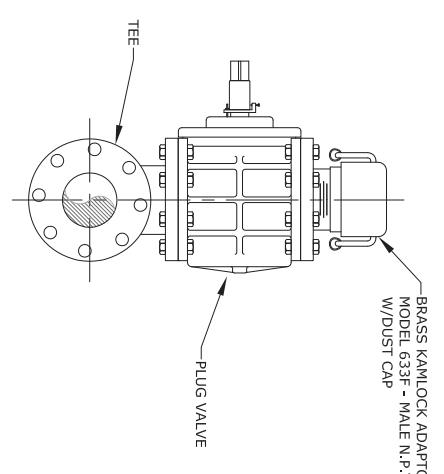
CORE DRILL PENETRATION SEAL
DETAIL
NTS



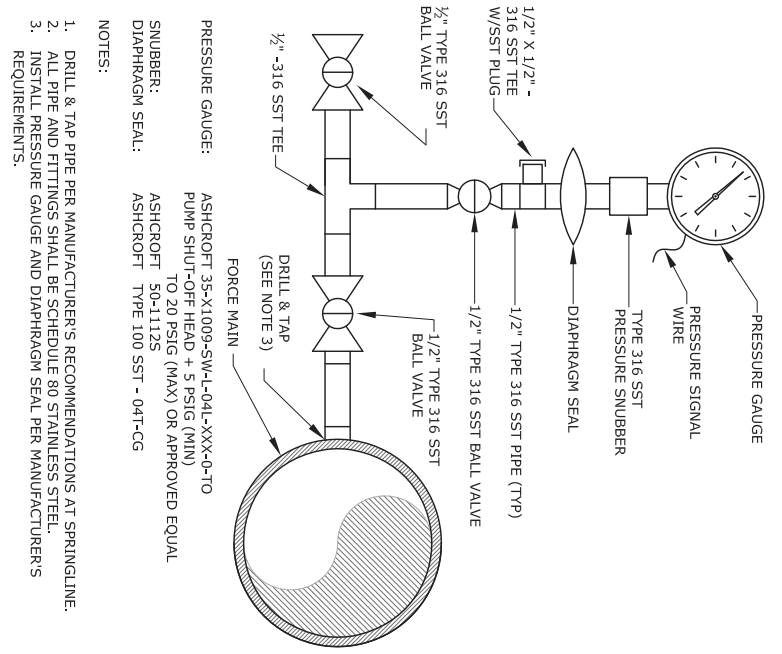
LIFT STATION PUMP DISCHARGE PIPE SUPPORT
DETAIL
NTS



CABLE HOLDER / CONDUIT DETAIL
DETAIL
NTS



PUMP OUT CONNECTION
DETAIL
NTS

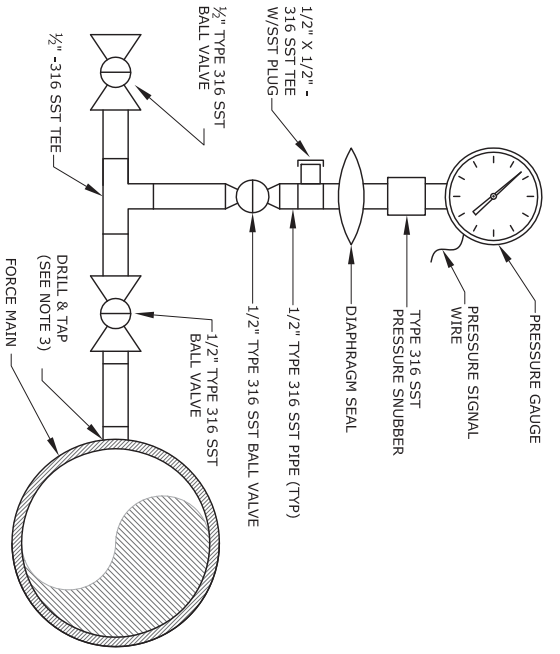


PRESSURE GAUGE
DETAIL
NTS

NOTES:
1. DRILL & TAP PER MANUFACTURER'S RECOMMENDATIONS AT SPRINGLINE.
2. ALL PIPE AND FITTINGS SHALL BE SCHEDULE 80 STAINLESS STEEL.
3. INSTALL PRESSURE GAUGE AND DIAPHRAGM SEAL PER MANUFACTURER'S REQUIREMENTS.

PRESSURE GAUGE:
ASHCROFT 35-X1009-SW-L-04L-XXX-0-TO
PUMP SHUT-OFF HEAD + 5 PSIG (MIN)
TO 20 PSIG (MAX) OR APPROVED EQUAL

DIAPHRAGM SEAL:
ASHCROFT 50-1112S
ASHCROFT TYPE 100 SST - 04T-CG



PROJECT NAME:
LIFT STATION REHABILITATION AND REPAIR

PROJECT NO. 8548-100768

BID NO.

BROWARD COUNTY
FLORIDA

DEPARTMENT OF PUBLIC WORKS
WATER & WASTEWATER SERVICES
ENGINEERING DIVISION
FORNARO BEACH, FL 33409
PHONE NO. 954-831-9745 FAX: 954-831-0925

CONFIDENTIAL
Broward County-OWWS Document
NOT FOR PUBLIC DISCLOSURE
In accordance with:
FS Chapter 281.301
FS Chapter 119.07(1)(b)
FS Chapter 153

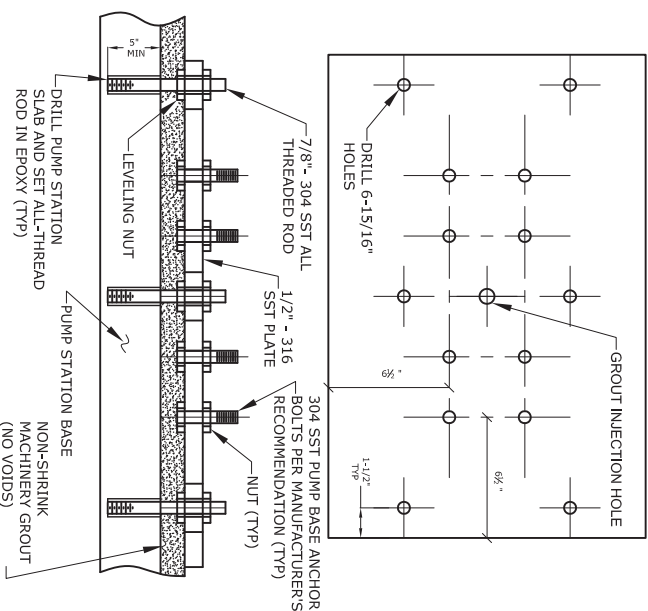
PERMIT SET
THIS IS A PRELIMINARY CONSTRUCTION DRAWING. ALL DIMENSIONS SHALL BE AS SHOWN UNLESS OTHERWISE NOTED. THE PUBLIC WORKS DEPARTMENT SHALL BE THE AUTHORITY FOR ANY CHANGES TO THIS DRAWING. ANY WORK IN THE PUBLIC ROW CONTACT THE BICHECKED AT THE BROWARD COUNTY ENGINEERING DIVISION.
NOTE: APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A COMMITMENT BY THE COUNTY TO FUND OR CONSTRUCT THE PROJECT. A MUST BE OBTAINED FROM THE BICHECKED PRIOR TO COMMENCING CONSTRUCTION IN THE PUBLIC ROW.
HIGHWAY CONSTRUCTION & ENGINEERING DIV

PLAN REQUIREMENTS:
 PLAN CONSISTENT WITH
 PERMITS
 PUBLIC ROW DISCLOSURE AND DRAINAGE
BY: _____ DATE: _____
DOES NOT INCLUDE PERSONAL OR PROFESSIONAL LIABILITY INSURANCE.

David J. O'Connor 11/6/20
FLORIDA P.E. No. 18502
DESIGN: DJO | DRAWN: JJC | CHECK: DJO
DATE: _____
REVISION DESCRIPTION: _____

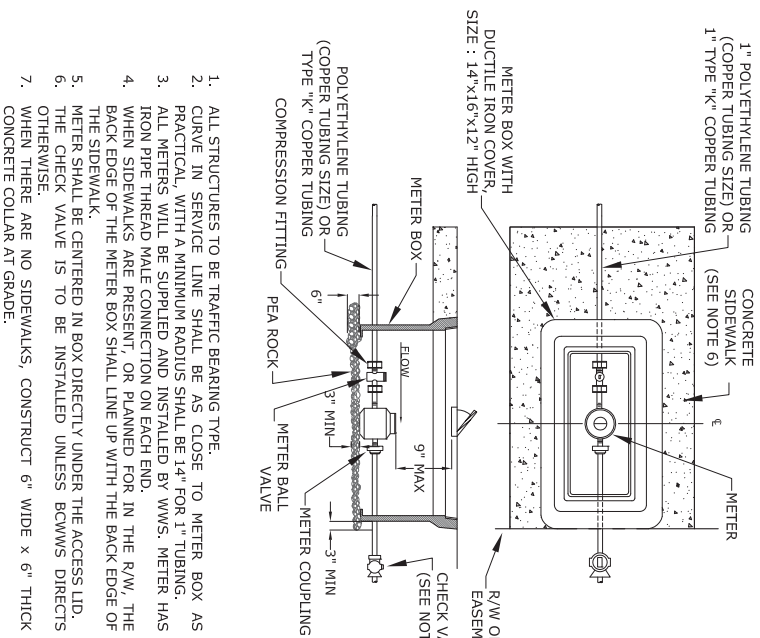
STANDARD DETAILS

SCALE: _____ DWG NO: _____
DESIGNATION: **M-3**



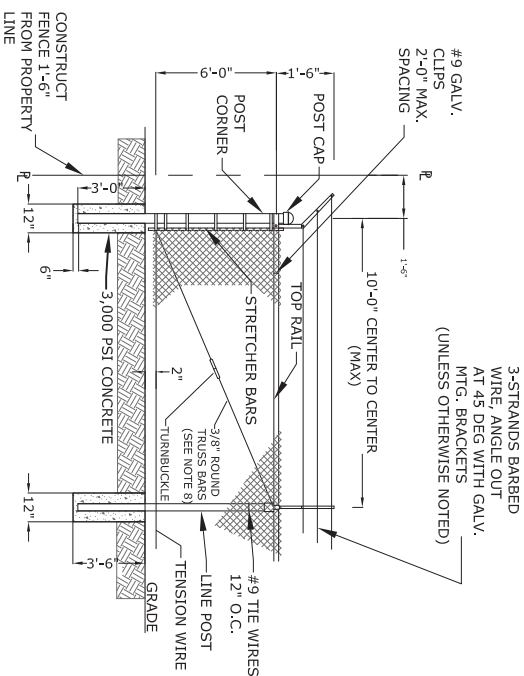
NOTE: SHOP DRAWING SUBMITTAL REQ'D

**PUMP PLATFORM
DETAIL
NTS**



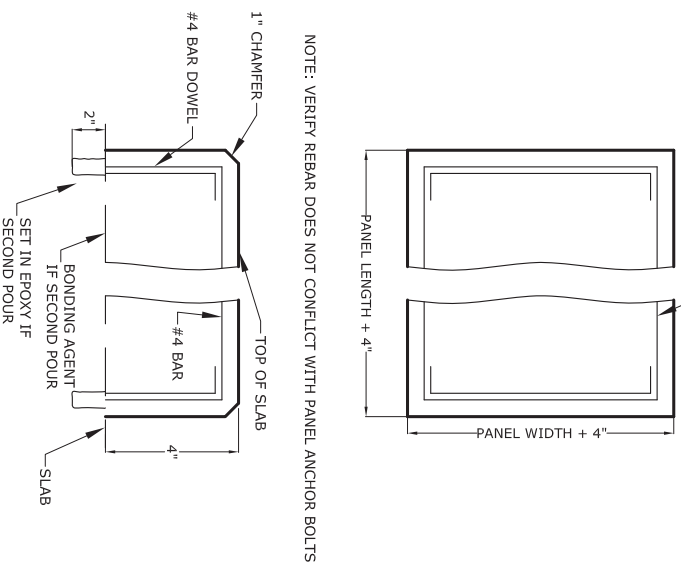
1. ALL STRUCTURES TO BE TRAFFIC BEARING TYPE.
2. CURVE IN SERVICE LINE SHALL BE AS CLOSE TO METER BOX AS PRACTICAL, WITH A MINIMUM RADIUS SHALL BE 14" FOR 1" TUBING.
3. ALL METERS WILL BE SUPPLIED AND INSTALLED BY WWS. METER HAS IRON PIPE THREAD MALE CONNECTION ON EACH END.
4. WHEN SIDEWALKS ARE PRESENT, OR PLANNED FOR IN THE R/W, THE BACK EDGE OF THE METER BOX SHALL LINE UP WITH THE BACK EDGE OF THE SIDEWALK.
5. METER SHALL BE CENTERED IN BOX DIRECTLY UNDER THE ACCESS LID.
6. THE CHECK VALVE IS TO BE INSTALLED UNLESS BCWWS DIRECTS OTHERWISE.
7. WHEN THERE ARE NO SIDEWALKS, CONSTRUCT 6" WIDE x 6" THICK CONCRETE COLLAR AT GRADE.

**1" METER
DETAIL
NTS**



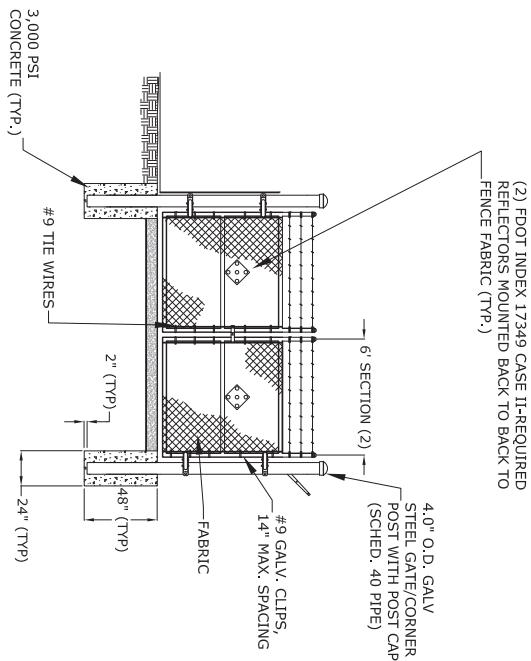
- NOTES:
1. FABRIC: No 9 GALV STEEL WIRE, 2" MESH, BLACK VINYL COATED.
 2. FABRIC TIES: No 9 GALV STEEL WIRE SPACED 12" APART ON POST AND 24" APART ON RAILS.
 3. CORNER POST: 3" OUTSIDE DIAMETER PIPE, 5.79 #/FT. LINE POST: 2 1/2" OUTSIDE DIAMETER PIPE, 5.79 #/FT - SCH 40. TOP RAIL: 1 1/2" OUTSIDE DIAMETER PIPE, 2.27 #/FT. NUTS, BOLTS & SCREWS: SHALL BE OF GALVANIZED STEEL, MIN SIZE 3/8" DIAMETER. POSTS WILL BE BLACK VINYL COATED.
 4. BOTTOM WIRE: COIL SPRING WIRE 7 GA.
 5. TRUSS BARS ARE REQUIRED FOR THE FIRST SPAN ON EACH SIDE OF A CORNER POST OR GATE SECTION.
 6. ALL FENCING MATERIALS: TO BE HOT DIPPEED GALVANIZED.

**CHAIN-LINK FENCE
DETAIL
NTS**



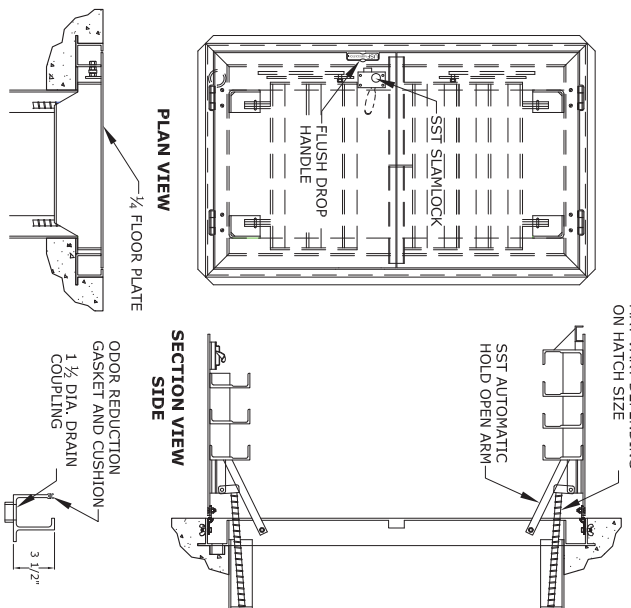
NOTE: VERIFY REBAR DOES NOT CONFLICT WITH PANEL ANCHOR BOLTS

**ELECTRICAL PANEL SLAB
DETAIL
NTS**



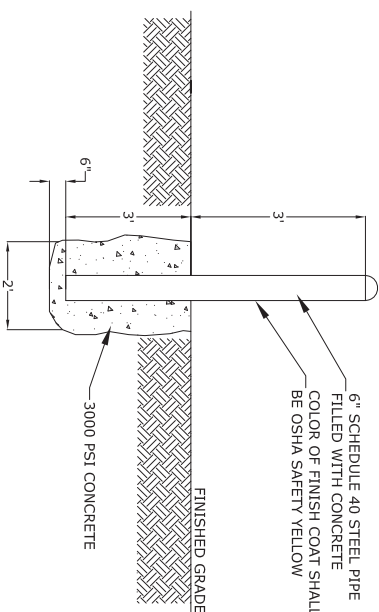
- NOTES:
1. GATE SECTIONS SHALL BE HORIZONTALLY CROSS-BRACED AT THE MIDPOINT WITH 1.660" DIA. SCHEDULE 40 STEEL PIPE.
 2. 3-BARB WIRE STRANDS W/GALV. BRACKETS, SET VERTICAL OVER GATE.
 3. GATE POST: 4" OUTSIDE DIAMETER PIPE, 9.1 #/FT.

**12' SWING GATE
DETAIL
NTS**

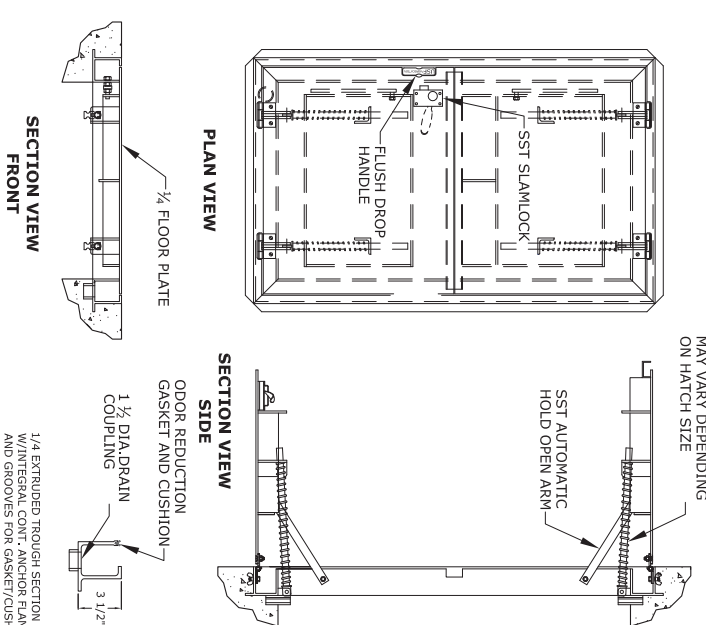


NOTE: ALL STRUCTURES LOCATED IN THE RIGHT-OF-WAY MUST USE THIS COVER UNLESS BCWWS DIRECTS OTHERWISE.

**TROUGH FRAME, HEAVY-DUTY, DOUBLE
ACCESS DOOR COVER (THD)
DETAIL
NTS**



**BOLLARD
DETAIL
NTS**



NOTE: ALL STRUCTURES LOCATED IN EASEMENTS MUST USE THIS COVER UNLESS BCWWS DIRECTS OTHERWISE.

**TROUGH FRAME, PEDESTRIAN, DOUBLE
ACCESS DOOR COVER (TPD)
DETAIL
NTS**

CONFIDENTIAL

Broward County-WWS Document
In Accordance with:
FS Chapter 281.301
FS Chapter 119.071(3)(b)
FS Chapter 153

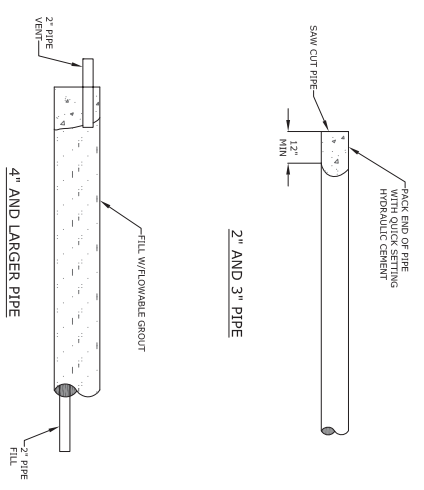
PERMIT SET
MATERIALS
NOTE: ALL MATERIALS USED AND INSTALLATIONS MADE WITHIN THE PUBLIC ROW OR EASEMENTS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE 2018 INTERNATIONAL BUILDING CODE (IBC) AND THE 2018 INTERNATIONAL PLUMBING AND MECHANICAL CODE (IMC). ALL MATERIALS USED AND INSTALLATIONS MADE WITHIN THE PUBLIC ROW OR EASEMENTS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE 2018 INTERNATIONAL BUILDING CODE (IBC) AND THE 2018 INTERNATIONAL PLUMBING AND MECHANICAL CODE (IMC).
NOTE: APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A COMMITMENT BY THE ENGINEER TO PROVIDE INSPECTION SERVICES FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION IN THE PUBLIC ROW.
HIGHWAY CONSTRUCTION & ENGINEERING DIV
DATE: _____
BY: _____
DOES NOT INCLUDE APPROVAL OF PAVEMENT EXISTENCE & SLOPES

PROJECT NAME:
LIFT STATION REHABILITATION AND REPAIR
PROJECT NO. **8548-100768**
BID NO. _____

David J. O'Connor 11/6/20
FLORIDA P.E. No. 18502 DATE
DESIGNER: DJO DRAWN: JJC CHECK: DJO
DATE: _____ REVISION DESCRIPTION: _____
DRAWING NAME:
STANDARD DETAILS
SCALE: _____ DWG. NO.: _____
DESIGNATION: **M-4**

DUCTILE		45° VERTICAL OFFSET (FEET)	
IRON PIPE HORIZONTAL, L (FEET)		IRON PIPE HORIZONTAL, L (FEET)	
Diameter	11 1/4" 22 1/2" 45"	90"	Te of Valves Cross Bed End
4	1	2	4
6	2	3	6
8	2	4	8
10	2	5	10
12	3	6	12
PVC PIPE		45° VERTICAL OFFSET (FEET)	
HORIZONTAL, L (FEET)		PVC PIPE HORIZONTAL, L (FEET)	
Diameter	11 1/4" 22 1/2" 45"	90"	Te of Valves Cross Bed End
4	2	3	5
6	2	4	7
8	3	5	9
10	3	6	11
12	3	7	13

RESTRAINED JOINT REQUIREMENTS
SINGLE FITTING
DETAIL
NTS

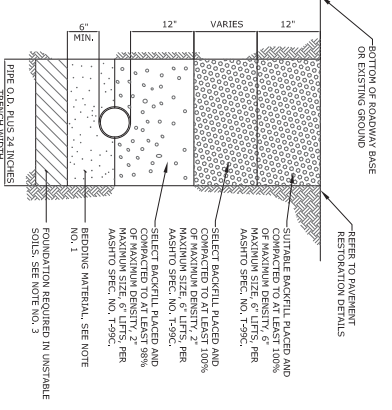


PIPE TO BE ABANDONED
DETAIL
NTS

- INSTALL 2" PIPE AT BOTH ENDS OF LINE TO BE ABANDONED. GROUT IN PLACE WITH QUICK SETTING HYDRAULIC CEMENT.
- REMOVE 2" PIPE AND FILL WITH QUICK SETTING HYDRAULIC CEMENT.
- WHERE UNSTABLE SOILS ARE ENCOUNTERED, INCLUDING PEAT, MUCK OR OTHER UNDESIRABLE MATERIALS, FOUNDATION REQUIRED IN UNSTABLE SOILS, SEE NOTE NO. 3

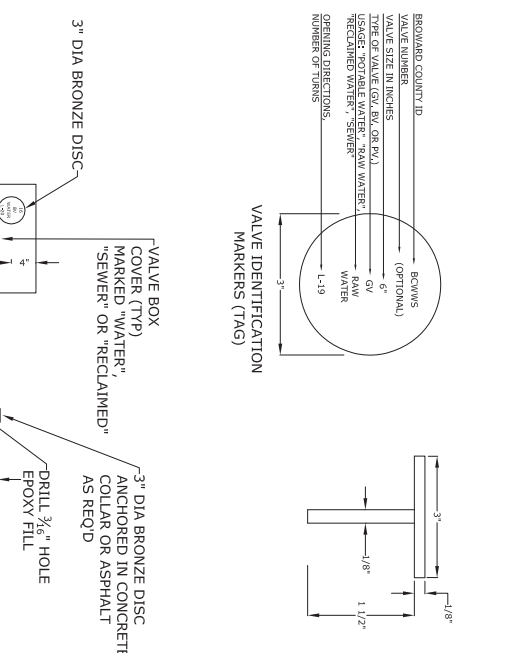
STRAIGHT REDUCER		TEE REDUCER	
DUCTILE IRON PIPE		DUCTILE IRON PIPE	
Diameter	6" 8" 10" 12"	Diameter	6" 8" 10" 12"
4"	15"	4"	11"
6"	16"	6"	11"
8"	15"	8"	15"
10"	16"	10"	15"
PVC PIPE		PVC PIPE	
Diameter	6" 8" 10" 12"	Diameter	6" 8" 10" 12"
4"	24"	4"	11"
6"	25"	6"	11"
8"	24"	8"	16"
10"	28"	10"	16"

RESTRAINED JOINT REQUIREMENTS
REDUCING FITTINGS
DETAIL
NTS

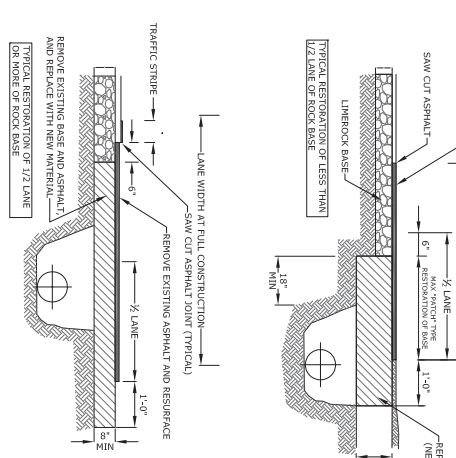


TYPICAL TRENCH BACKFILL
DETAIL
NTS

- UNLESS OTHERWISE SPECIFIED, BEDDING MATERIAL SHALL CONSIST OF SELECT BACKFILL MATERIAL, 2" MAX. SIZE, COMPACTED TO AT LEAST 100% OF MAX. DENSITY, 6" LIFTS, PER ASTM D 1557.
- WHERE REQUIRED, SHEETING AND SHORING SHALL BE IN ACCORDANCE WITH OSHA REQUIREMENTS.
- WHERE UNSTABLE SOILS ARE ENCOUNTERED, INCLUDING PEAT, MUCK OR OTHER UNDESIRABLE MATERIALS, FOUNDATION REQUIRED IN UNSTABLE SOILS, SEE NOTE NO. 3

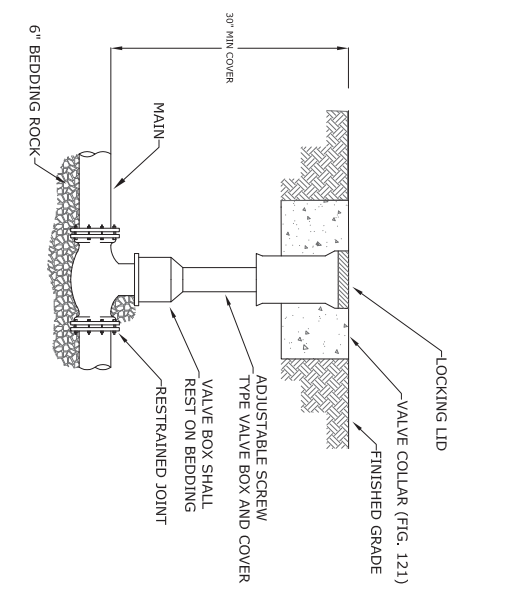


VALVE COLLAR AND
IDENTIFICATION MARKER
DETAIL
NTS

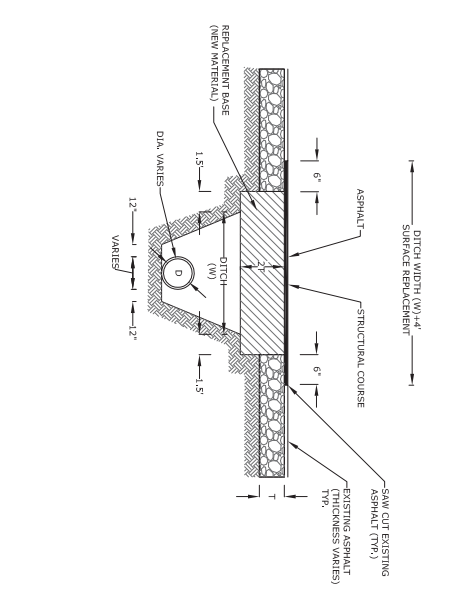


RESTORATION OF ROADWAY CUT FOR
PARALLEL UTILITY INSTALLATION
DETAIL
NTS

- BASE MATERIAL SHALL HAVE A MINIMUM LB. OF 100 AND A MINIMUM CARBONATE CONTENT OF 70% (60% FOR LOCAL STREETS).
- BASE SHALL BE PLACED IN A MINIMUM THICKNESS LAYERS WITH EACH LAYER COMPACTED TO AT LEAST 100% OF MAX. DENSITY, 6" LIFTS, PER ASTM D 1557.
- SUBGRADE MATERIAL SHALL BE GRANULAR AND ANGULAR AND SHALL HAVE A MINIMUM LB. OF 100 AND A MINIMUM CARBONATE CONTENT OF 70% (60% FOR LOCAL STREETS).
- BACKFILL SHALL BE PLACED AND COMPACTED IN 6" LAYERS, BUT TESTING WILL BEGIN 12" ABOVE THE INSTALLED FACILITY.
- INVERTING TYP. SHALL BE PROVIDED TO THE ROADWAY, PRIOR TO RESTORATION. SHALL BE CONSISTENT WITH SURROUNDING SURFACE AND SHALL BE APPLIED IN 2 LIFTS, A MINIMUM OF 1/2" INCH AND A MAXIMUM OF 2" IN THICKNESS.
- TRAP STRIP SHALL NOT BE PLACED DIRECTLY ON TOP OF THE JOINT.
- FOR STREETS REFER TO SPECIFICATIONS AND REQUIREMENTS.



VALVE BOX
DETAIL
NTS



RESTORATION OF ROADWAY CUT FOR
PERPENDICULAR UTILITY INSTALLATION
DETAIL
NTS

- BASE MATERIAL OVER DITCH SHALL BE TWICE THE THICKNESS OF THE ORIGINAL.
- BASE MATERIAL SHALL BE PLACED IN A MINIMUM THICKNESS LAYERS WITH EACH LAYER COMPACTED TO AT LEAST 100% OF MAX. DENSITY, 6" LIFTS, PER ASTM D 1557.
- DENSITY PER ASTM D 1557.
- SUBGRADE MATERIAL SHALL BE GRANULAR AND ANGULAR AND SHALL HAVE A MINIMUM LB. OF 100 AND A MINIMUM CARBONATE CONTENT OF 70% (60% FOR LOCAL STREETS).
- BACKFILL SHALL HAVE A MINIMUM CARBONATE OF 70% (60% FOR LOCAL STREETS).
- SUB GRADE MATERIAL SHALL BE GRANULAR AND ANGULAR AND SHALL HAVE A MINIMUM LB. OF 100 AND A MINIMUM CARBONATE OF 70% (60% FOR LOCAL STREETS).
- IF THE DITCH IS FILLED TEMPORARILY, IT SHALL BE COVERED WITH A 2" THICK ASPHALT CONCRETE TOP TO KEEP THE FILL MATERIAL FROM RAVELING.
- TRAP STRIP SHALL NOT BE PLACED DIRECTLY ON TOP OF THE JOINT.
- FOR STREETS REFER TO SPECIFICATIONS AND REQUIREMENTS.

BROWARD COUNTY
FLORIDA
DEPARTMENT OF PUBLIC WORKS
WATER & WASTEWATER SERVICES
ENGINEERING DIVISION
2555 WEST CORNING ROAD
PHOENIX, FL 33509
PHONE NO. 954-831-0745 FAX: 954-831-0925

CONFIDENTIAL
Broward County-AMS DOCUMENT
FOR PUBLIC DISCLOSURE
FS Chapter 281.301
FS Chapter 119.071(3)(b)

PERMIT SET
MUST BE ON SITE AT ALL TIMES DURING CONSTRUCTION
ROAD WITHIN THE PUBLIC ROW OR EASEMENTS SHALL BE IN
ACCORDANCE WITH TYPICAL SPECIFICATIONS NOTICE
WORK IN THE PUBLIC R/W CONTRACT THE RCHER AT
NOTE: APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A
WARRANTY FOR CONSTRUCTION PERMIT FOR CONSTRUCTION
CONTRACTING CONSTRUCTION IN THE PUBLIC R/W.

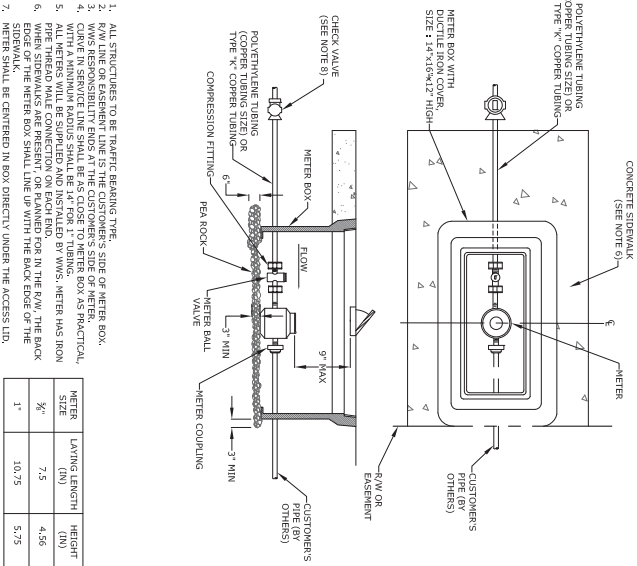
BROWARD COUNTY PUBLIC WORKS DEPT
HIGHWAY CONSTRUCTION & ENGINEERING DIV
PERMIT REQUIREMENTS
 FURTHER REQUIREMENTS
PAVING, GRADING AND DRAINAGE
BR: _____ SOILS NOT INDICATED. DATE: _____
OF PAVEMENT MARKERS & SIGNS

PROJECT NAME:
LIFT STATION REHABILITATION AND REPAIR

PROJECT NO. **8548-100768**

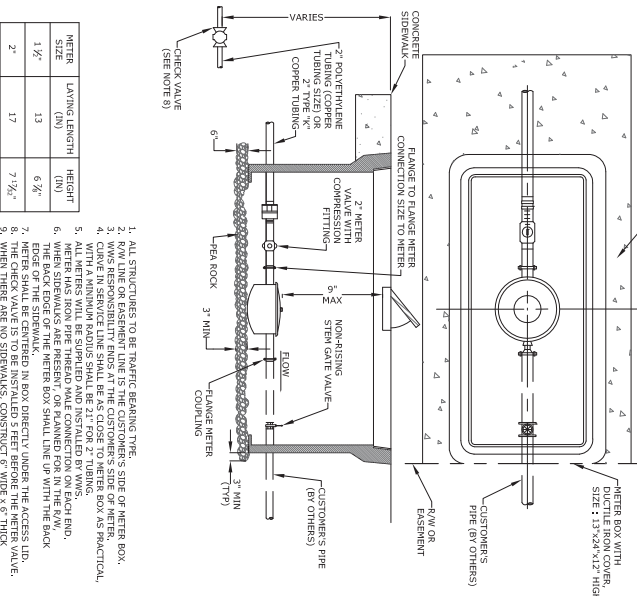
BID NO. _____

David J. O'Connor 11/6/20
FLORIDA P.E. NO. 18502 DATE
DESIGN: DJO DRAWN: JJC CHECK: DJO
DATE: _____ REVISION DESCRIPTION:
DRAWING NAME:
STANDARD DETAILS
SCALE: _____ DWG NO.: _____
DESIGNATION: **M-5**



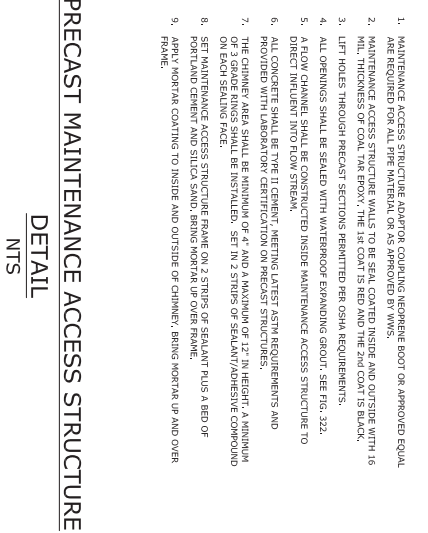
WATER METER INSTALLATION FOR
5/8" AND 1" METER

DETAIL
NTS

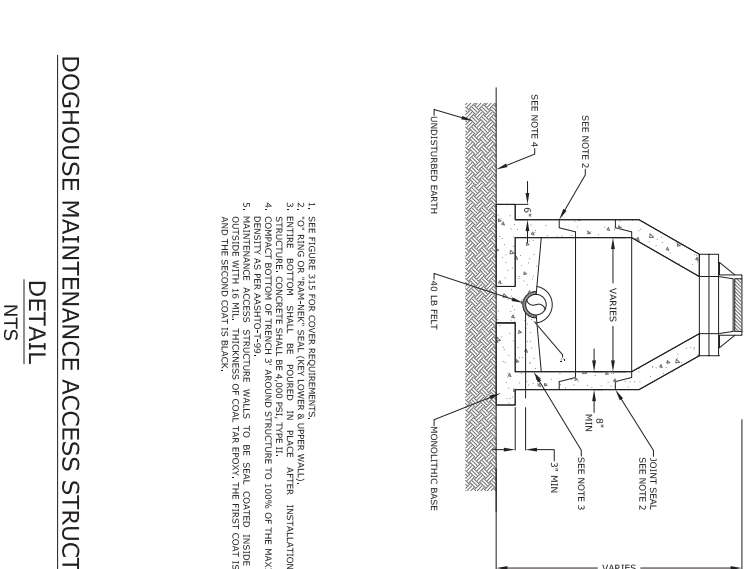


WATER METER INSTALLATION FOR
1-1/2" AND 2" METER

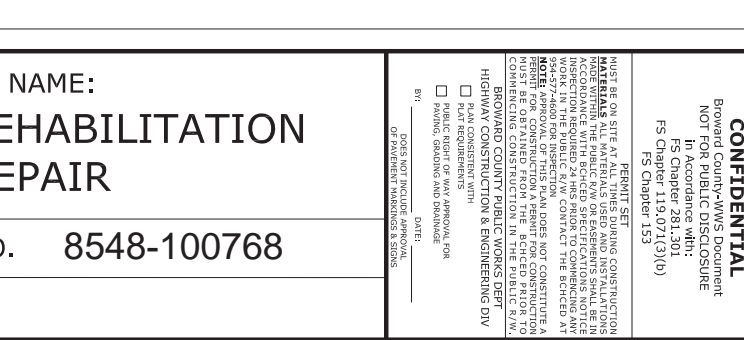
DETAIL
NTS



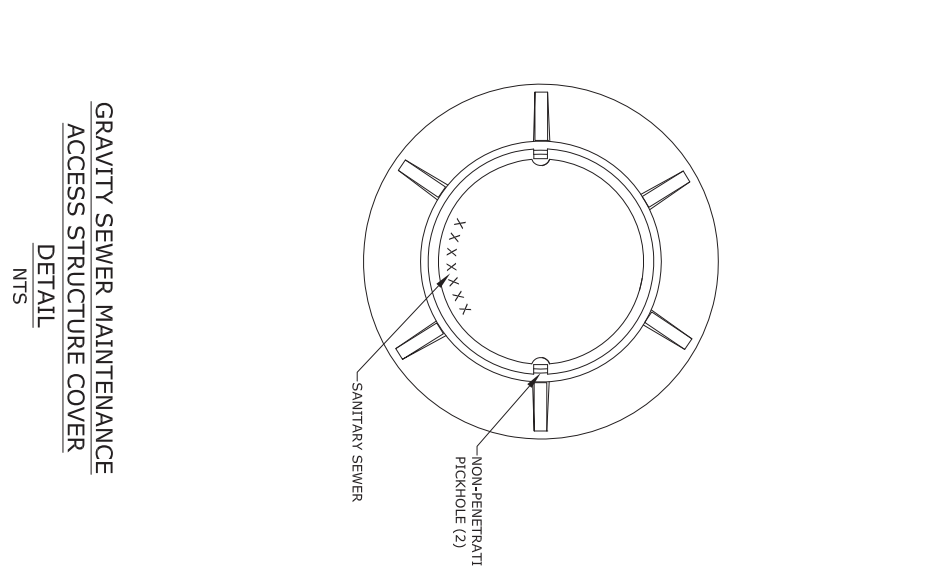
PRECAST MAINTENANCE ACCESS STRUCTURE
DETAIL
NTS



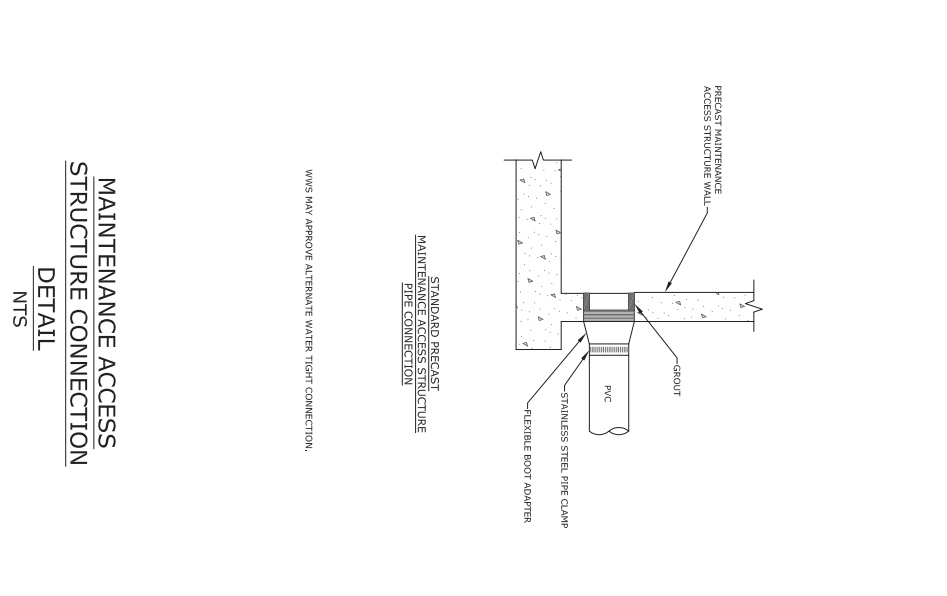
DOGHOUSE MAINTENANCE ACCESS STRUCTURE
DETAIL
NTS



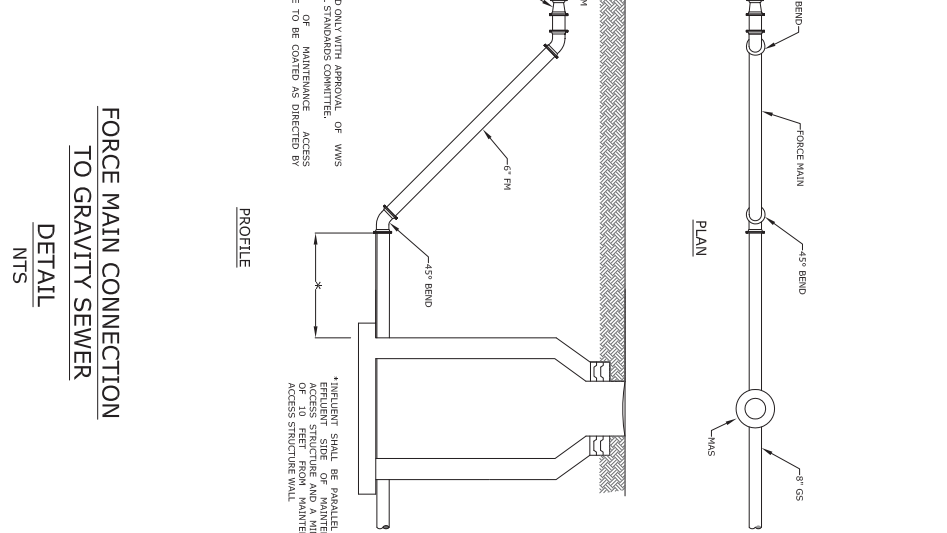
VALVE VAULT DRAIN WITH PLUG AND
STAINLESS STEEL CABLE
DETAIL
NTS



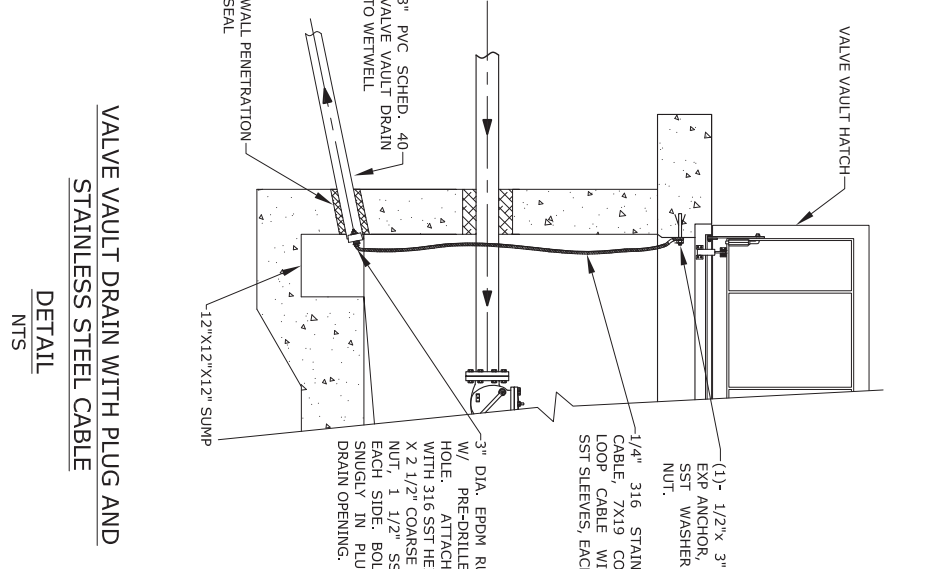
GRAVITY SEWER MAINTENANCE
ACCESS STRUCTURE COVER
DETAIL
NTS



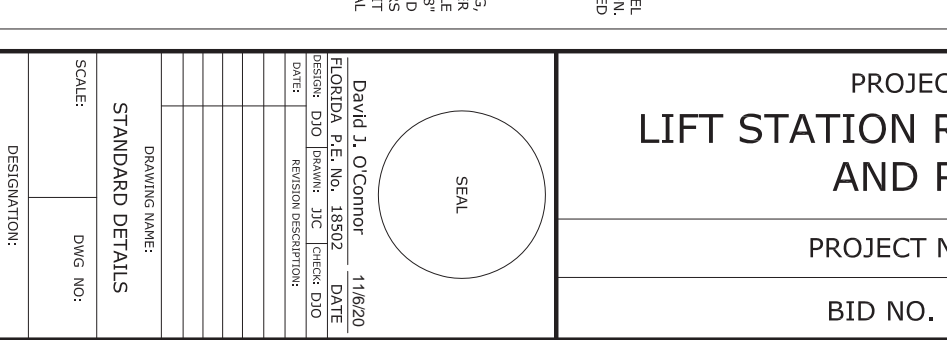
MAINTENANCE ACCESS
STRUCTURE CONNECTION
DETAIL
NTS



FORCE MAIN CONNECTION
TO GRAVITY SEWER
DETAIL
NTS



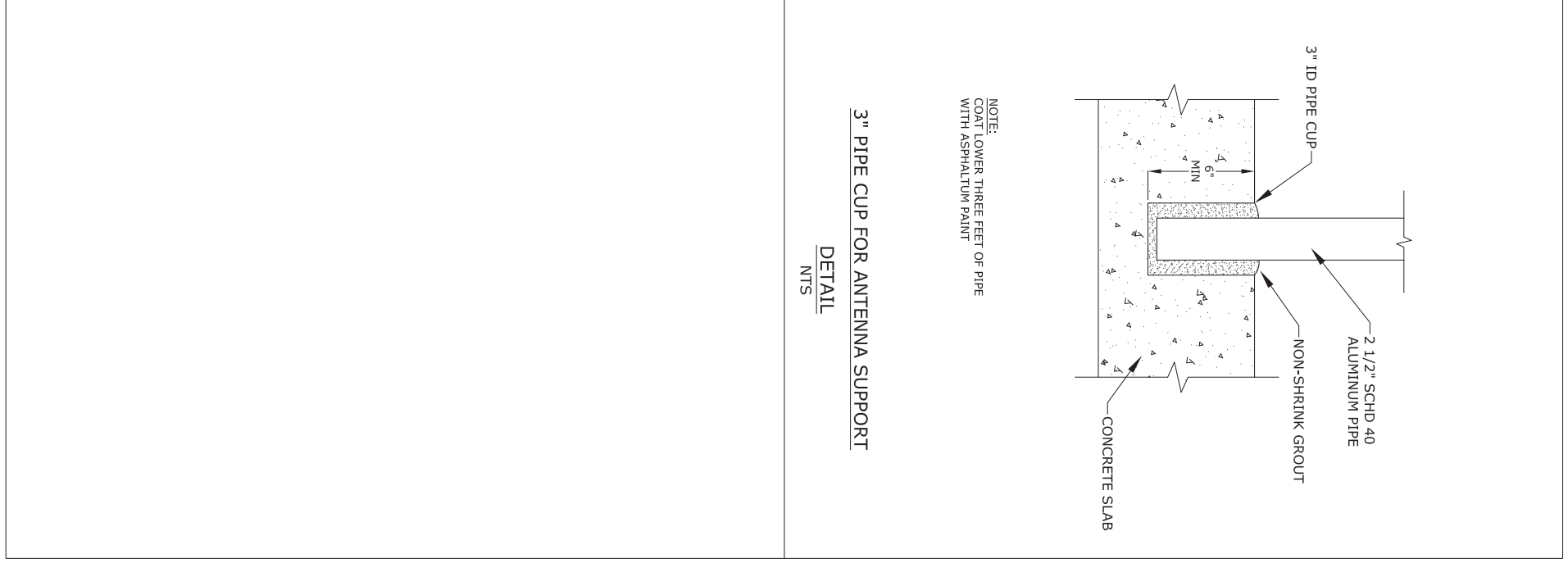
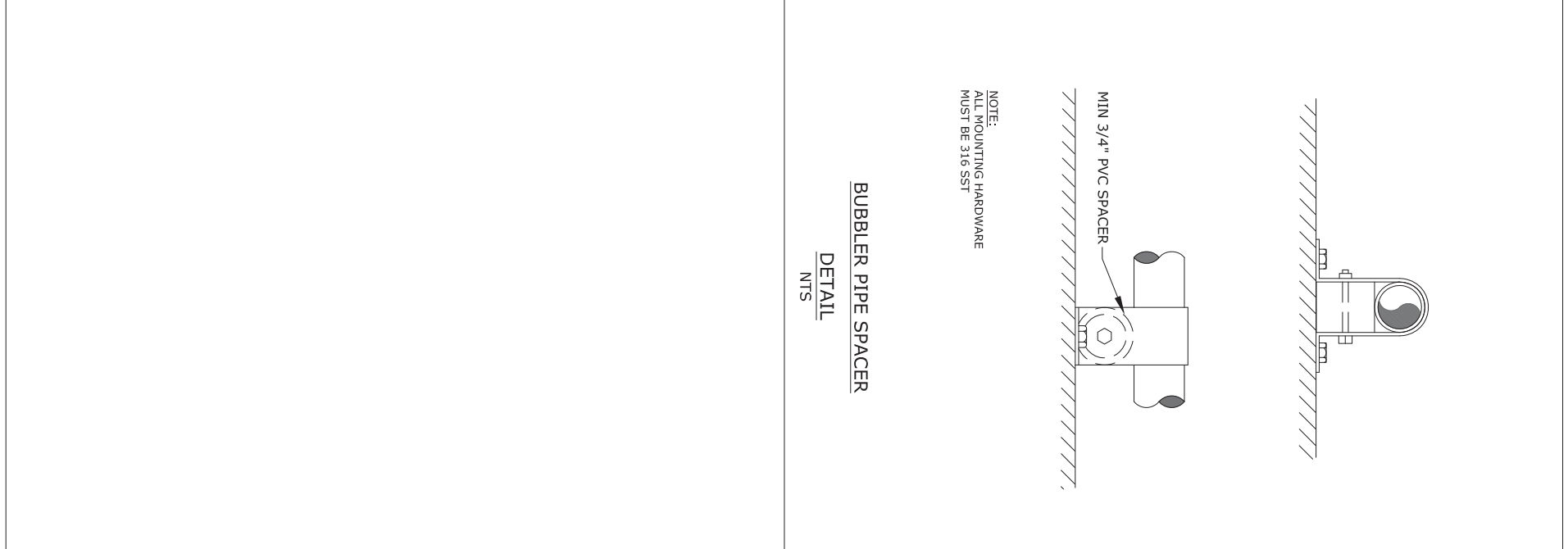
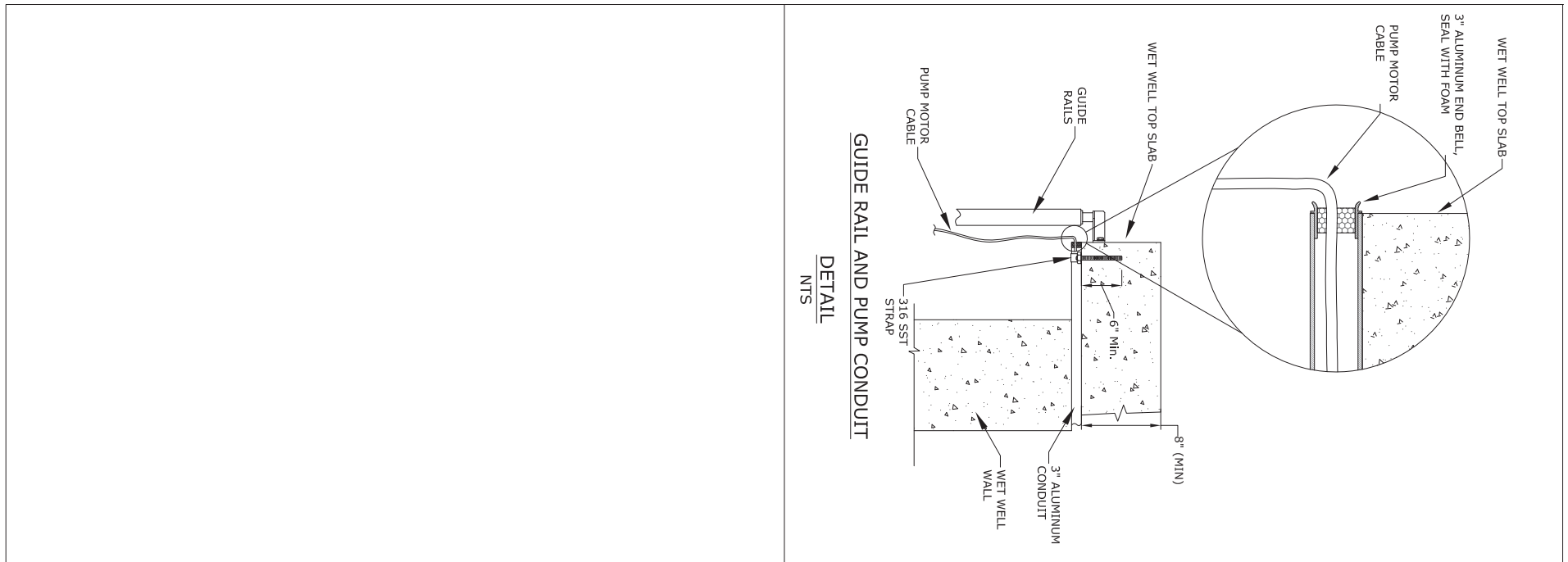
VALVE VAULT HATCH
DETAIL
NTS



STANDARD DETAILS
DWG NO: M-6

PROJECT NAME:
**LIFT STATION REHABILITATION
AND REPAIR**
PROJECT NO. **8548-100768**
BID NO.

BROWARD COUNTY
FLORIDA
DEPARTMENT OF PUBLIC WORKS
WATER & WASTEWATER SERVICES
ENGINEERING DIVISION
PHONE NO. 954-431-0245 FAX: 954-831-0925
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Broward County-OWS Document
NOT FOR PUBLIC DISCLOSURE
In accordance with:
FS Chapter 281.301
FS Chapter 119.071(3)(b)
FS Chapter 153



BROWARD COUNTY

FLORIDA

DEPARTMENT OF PUBLIC WORKS

WATER & WASTEWATER SERVICES

ENGINEERING DIVISION

2555 WEST COPANS ROAD

POMPANNO BEACH, FL 33069

PHONE NO. 954-831-0745 FAX: 954-831-0925

CONFIDENTIAL

Broward County-WWS Document
NOT FOR PUBLIC DISCLOSURE

In Accordance with:
FS Chapter 281.301
FS Chapter 119.071(3)(b)
FS Chapter 153

PERMIT SET

MUST BE ON SITE AT ALL CONSTRUCTION SITES. ALL MATERIALS USED AND INSTALLATIONS MADE WITHIN THE PUBLIC ROW OR EASEMENTS SHALL BE IN ACCORDANCE WITH THE PERMITS. INSPECTION REQUIRED 24 HRS PRIOR TO COMMENCING ANY WORK. ALL MATERIALS USED AND INSTALLATIONS MADE WITHIN THE PUBLIC ROW OR EASEMENTS SHALL BE IN ACCORDANCE WITH THE PERMITS. INSPECTION REQUIRED 24 HRS PRIOR TO COMMENCING ANY WORK.

NOTE: APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED HEREIN. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THE INFORMATION PROVIDED HEREIN. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THE INFORMATION PROVIDED HEREIN.

HIGHWAY CONSTRUCTION & ENGINEERING DIV

DATE: _____

BY: _____

PLAN REVISIONS
 PAVING, GRADING AND DRAINAGE

DOES NOT INCLUDE APPROVAL OF WASTEWATER TREATMENT & STORAGE

PROJECT NAME:
**LIFT STATION REHABILITATION
AND REPAIR**

PROJECT NO. **8548-100768**

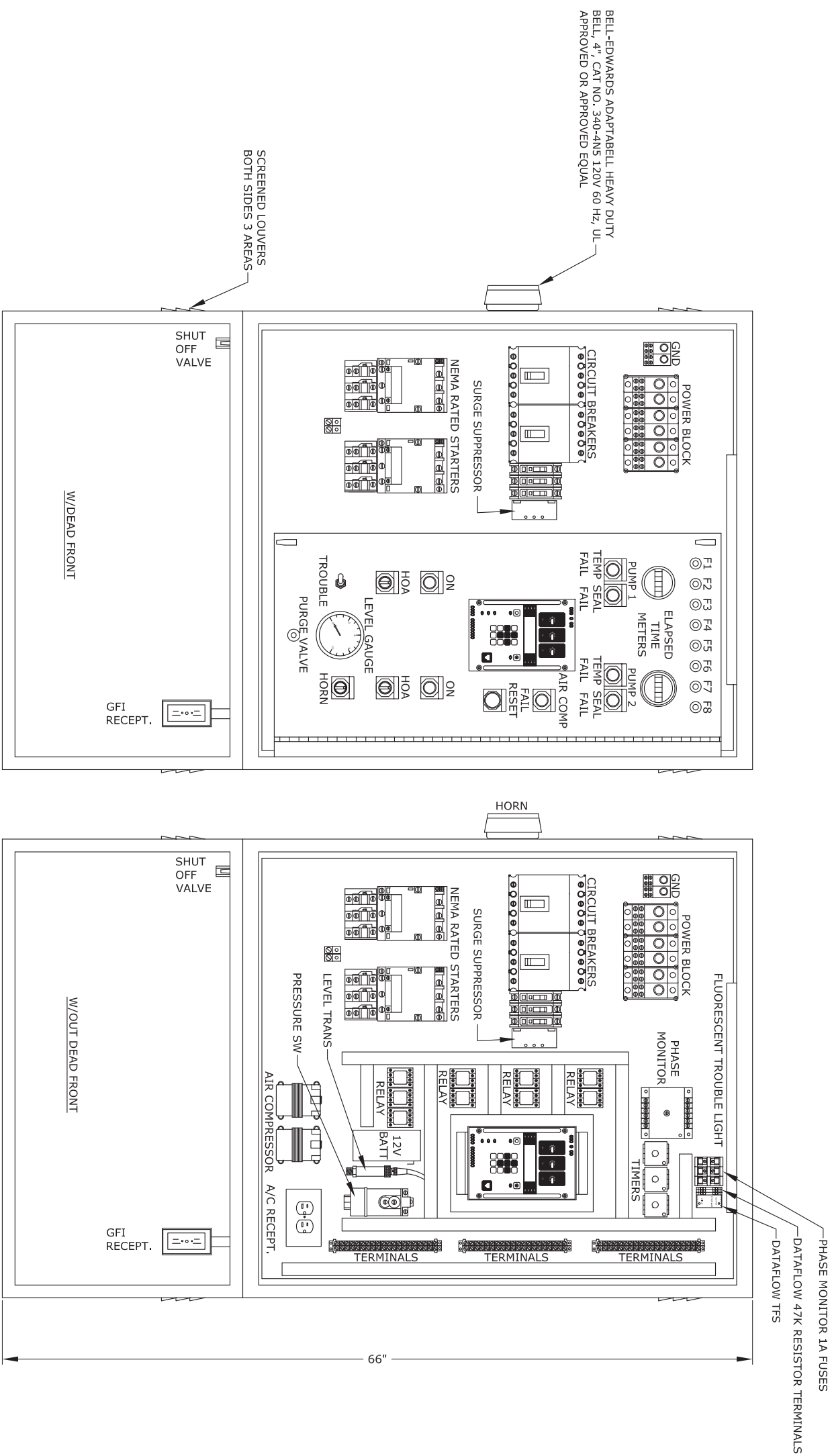
SEAL

DRAWING NAME:
STANDARD DETAILS

SCALE: _____ DWG NO: _____

DESIGNATION:
M-7

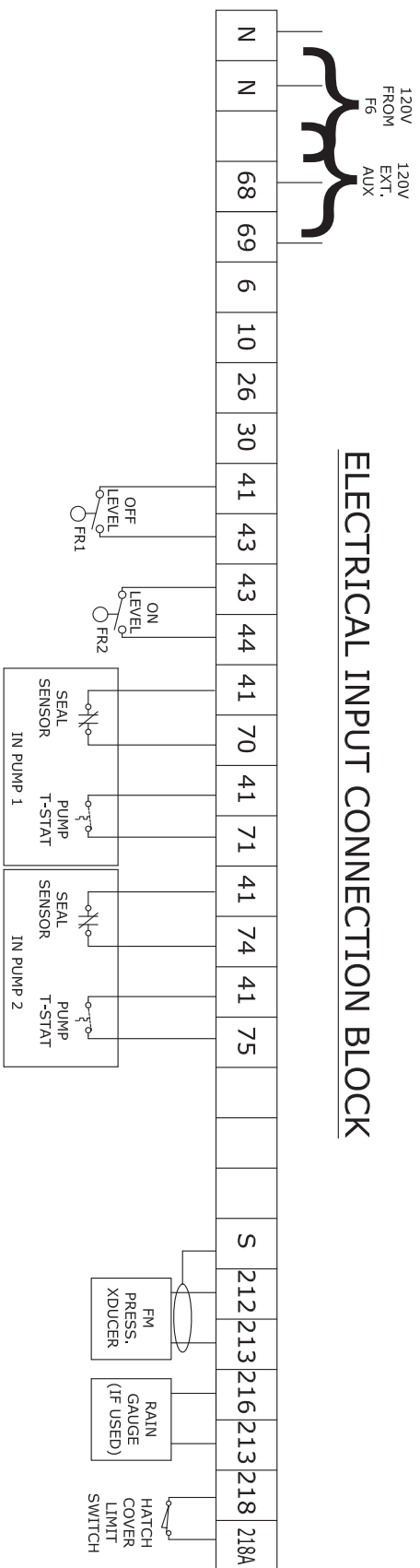
David J. O'Connor 11/6/20
FLORIDA P.E. No. 18502 DATE
DESIGN: DJO DRAWN: JJC CHECK: DJO
DATE: _____ REVISION DESCRIPTION: _____



DUPLEX CONTROL PANEL LAYOUT

ENCLOSURE SIZE : 66" x 36" x 10"
RATING: NEMA 3R
MATERIAL: 316 STAINLESS STEEL

ELECTRICAL INPUT CONNECTION BLOCK



FLORIDA LICENSED PROFESSIONAL ENGINEER TO REVIEW AND MODIFY ELECTRICAL DESIGN AS REQUIRED TO ACCOMPLISH CONSTRUCTION IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.

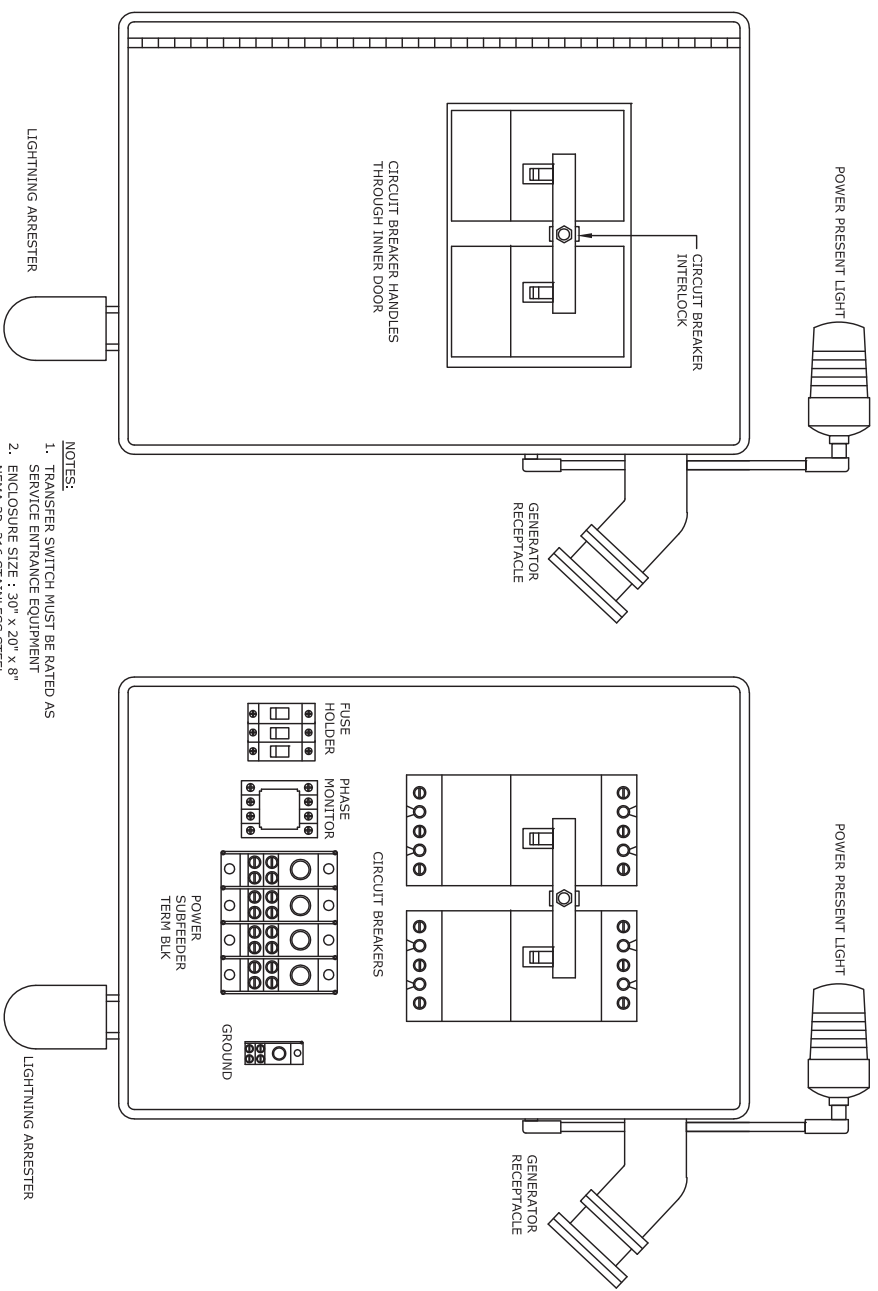
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PROJECT NAME:
**FABRICATE AND REFURBISH
LIFT STATION CONTROL PANELS**

PROJECT NO 8548-100768

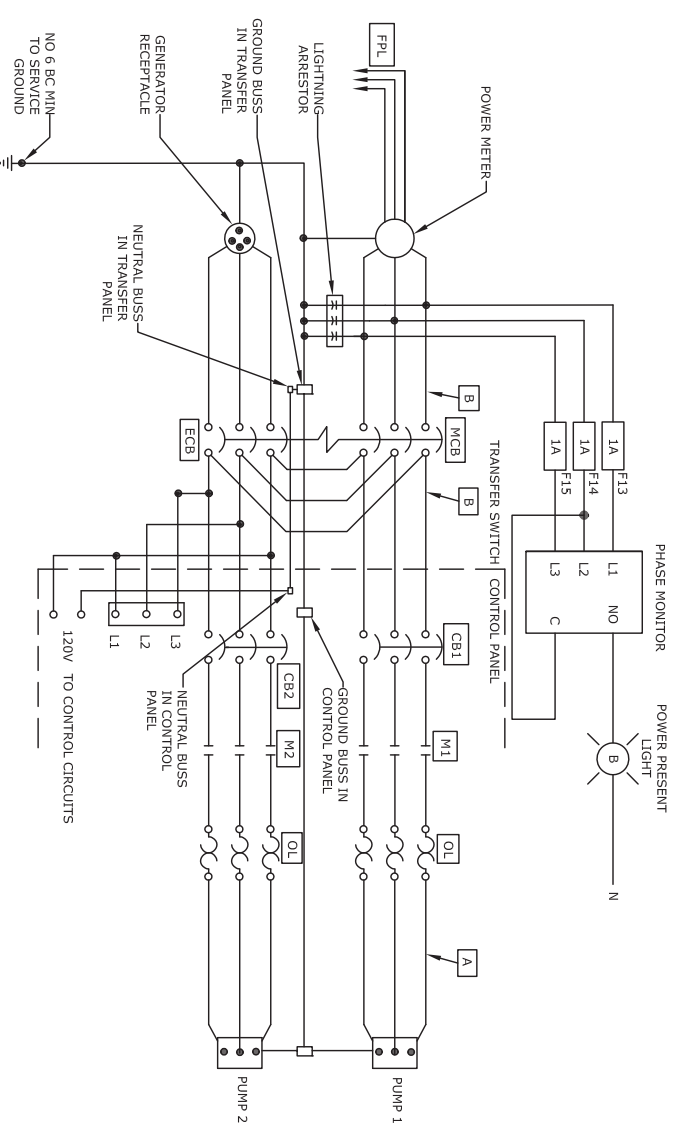
NOT FOR CONSTRUCTION

DESIGNER:	DRAWN:	CHECK:
DATE:	REVISION DESCRIPTION:	
DRAWING NAME: DUPLEX CONTROL PANEL		
SCALE: AS SHOWN	DWG NO.:	
DESIGNATION: E-1		



- NOTES:
1. TRANSFER SWITCH MUST BE RATED AS SERVICE ENTRANCE EQUIPMENT
 2. ENCLOSURE SIZE : 30" X 20" X 8" NEMA 3R, 316 STAINLESS STEEL

EMERGENCY CONNECTION/TRANSFER SWITCH NTS



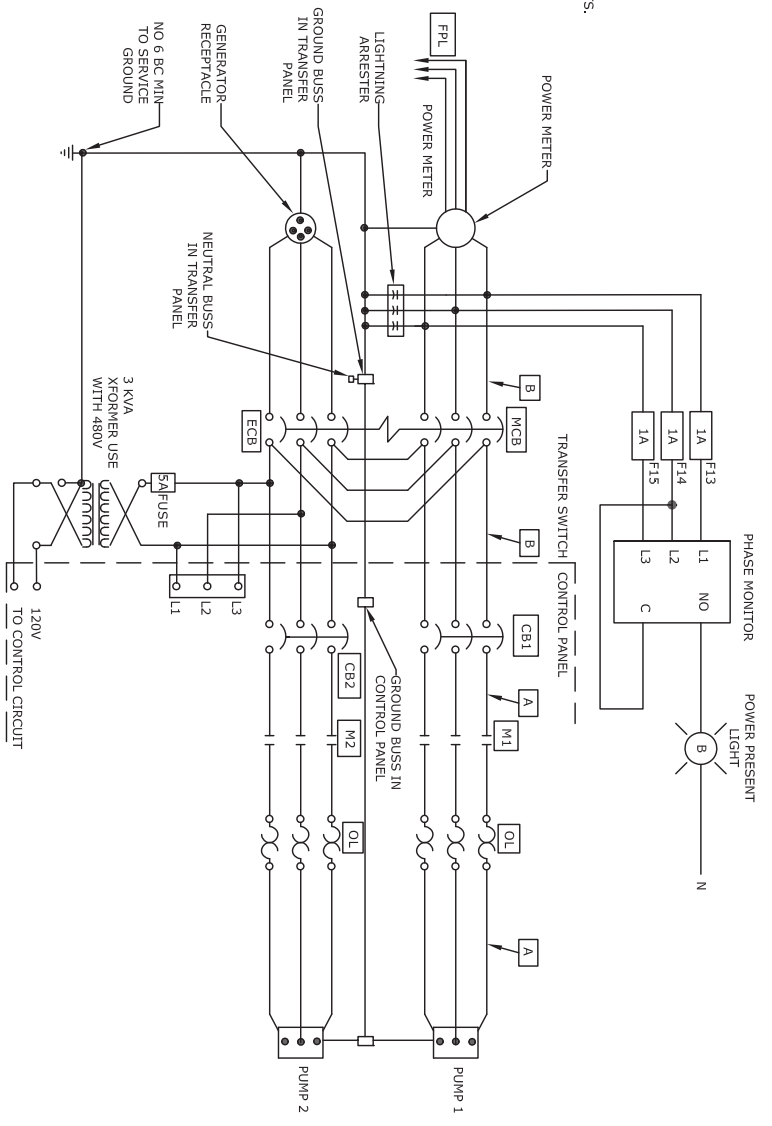
- NOTE:
- MCB AND ECB ARE TO BE SUITABLE TO USE AS SERVICE EQUIPMENT, TO BE PERMANENTLY IDENTIFIED AS SERVICE DISCONNECTS, TO BE CAPABLE OF BEING OPERATED WITHOUT EXPOSING OPERATOR TO CONTACT WITH LIVE PARTS. GROUND FAULT PROTECTION-25000 IC AT 240 V, 30000 IC AT 480 V.

240V MAIN POWER CIRCUIT

240 VOLT									
HP	MOTOR AMP (1)	STARTER SIZE	CONDUCTOR (A)	PUMP CB	MAIN/EMER CB	CONDUCTOR (B)	GENERATOR PLUG**	SERVICE RACEWAY (MIN)	
3	9.6	1	12	20	100	1 (44A)	100	2"	
5	15.2	1	10	40	100	1 (58A)	100	2"	
7.5	22	2	10	50	125	1 (75A)	100	2"	
10	28	2	8	100	125	1 (90A)	100	2"	
15	42	3	6	100	175	2/0 (125A)	100	2"	
20	54	3	4	150	225	4/0 (155A)	100	3"	

480 VOLT									
HP	MOTOR AMP (1)	STARTER SIZE	CONDUCTOR (A)	PUMP CB	MAIN/EMER CB	CONDUCTOR (B)	GENERATOR PLUG**	SERVICE RACEWAY (MIN)	
3	5	1	12	15	100	1 (32.5A)	200	2"	
5	8	1	12	15	100	1 (40A)	200	2"	
7.5	11	1	12	20	100	1 (47.5A)	200	2"	
10	14	2	12	30	100	1 (55A)	200	2"	
15	21	2	10	50	125	1 (72.5A)	200	2"	
20	27	2	10	60	125	1 (87.5A)	200	2"	
25	34	2	8	90	150	1/0 (105A)	200	2"	
30	40	3	6	100	150	1/0 (120A)	200	2"	
40	52	3	4	150	225	4/0 (150A)	200	3"	
50	65	4	4	175	250	250 KCM(182.5A)	200	3"	
60	77	4	3	200	300	350 KCM(212.5A)	200	3"	
75	96	4	1	250	300	350 KCM(260A)	200	3"	
100	124	4	2/0	250	350	500 KCM(330A)	200	4"	

- NOTE :
1. THE ABOVE TABLE COMPILED PER CURRENT NATIONAL ELECTRICAL CODE SECTION 430 TABLE 430.250
 2. GROUNDING ELECTRODE SIZED PER NATIONAL ELECTRICAL CODE
 3. *GENERATOR PLUGS ARE SIZED TO MATCH THE GENERATORS CORO, NOT THE ELECTRICAL SERVICE.
 4. CONDUCTOR B IS A SERVICE FEEDER, SIZED FOR 2 PUMPS AT 125% OF FLA PLUS A 20 AMP GENERAL LOAD.
 5. DESIGNER TO VERIFY DATA IN THESE TABLES
 6. SERVICE RACEWAY TO BE OVERSIZED AS SHOWN TO ACCOMMODATE FUTURE EXPANSION.



480V MAIN POWER CIRCUIT

FLORIDA LICENSED PROFESSIONAL ENGINEER TO REVIEW AND MODIFY ELECTRICAL DESIGN AS REQUIRED TO ACCOMPLISH CONSTRUCTION IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.

PROJECT NAME:
LIFT STATION REHABILITATION AND REPAIR

PROJECT NO **8548-100768**

NOT FOR CONSTRUCTION

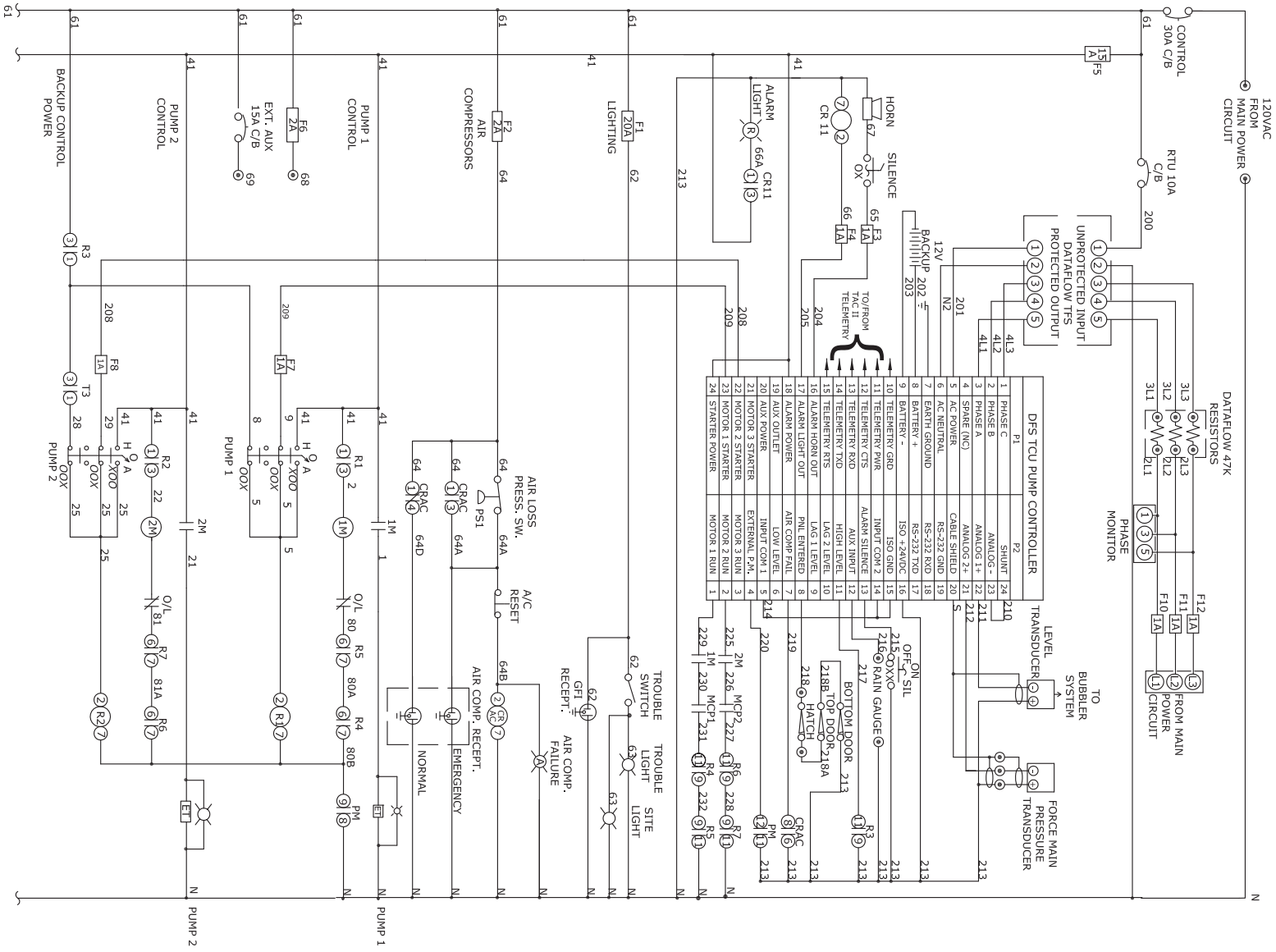
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DATE: _____ REVISION DESCRIPTION: _____

SEAL

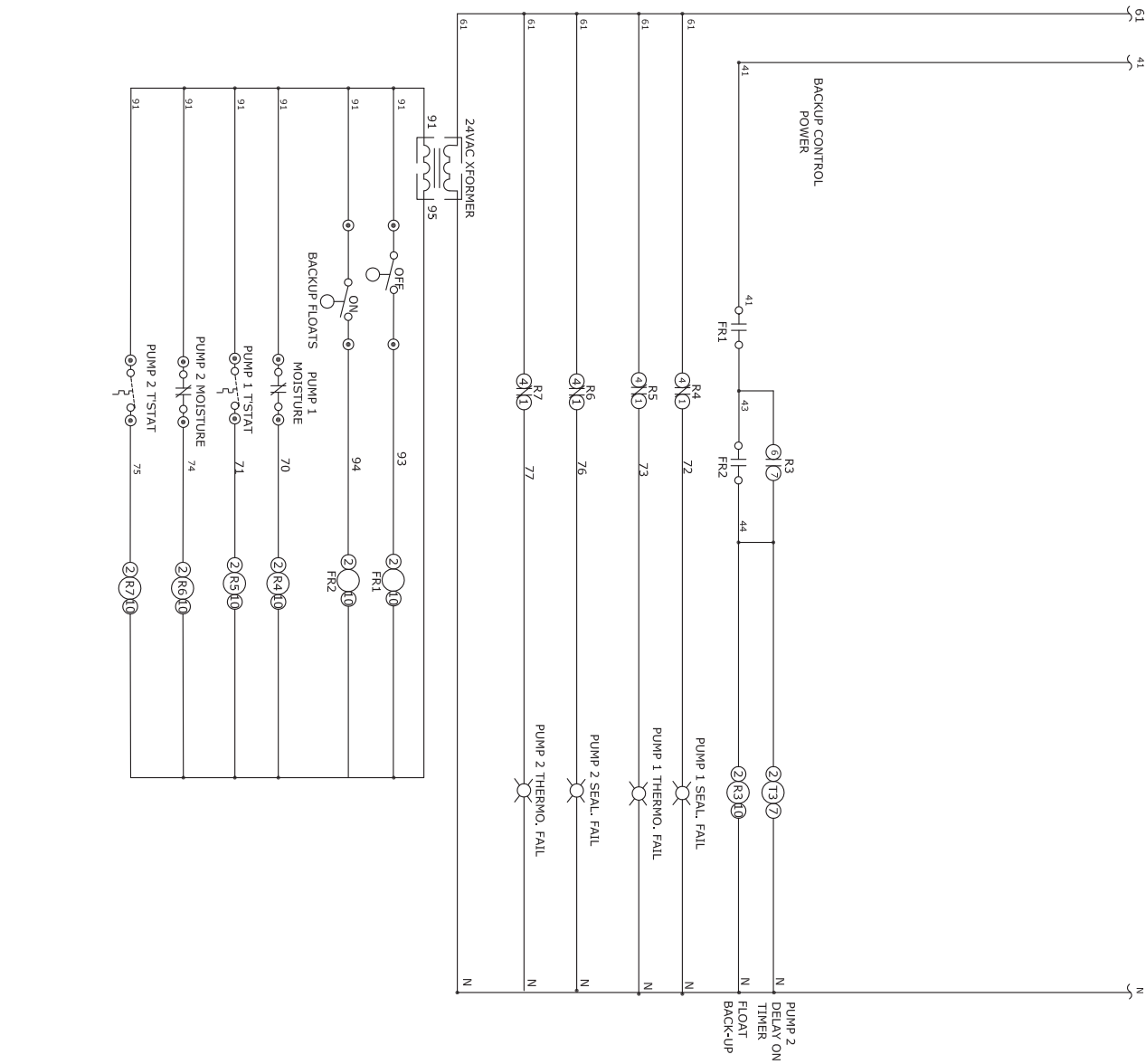
DRAWING NAME:
DUPLEX ELECTRICAL SERVICE AND TRANSFER SWITCH

SCALE: AS SHOWN DWG NO: _____
DESIGNATION: **E-2**



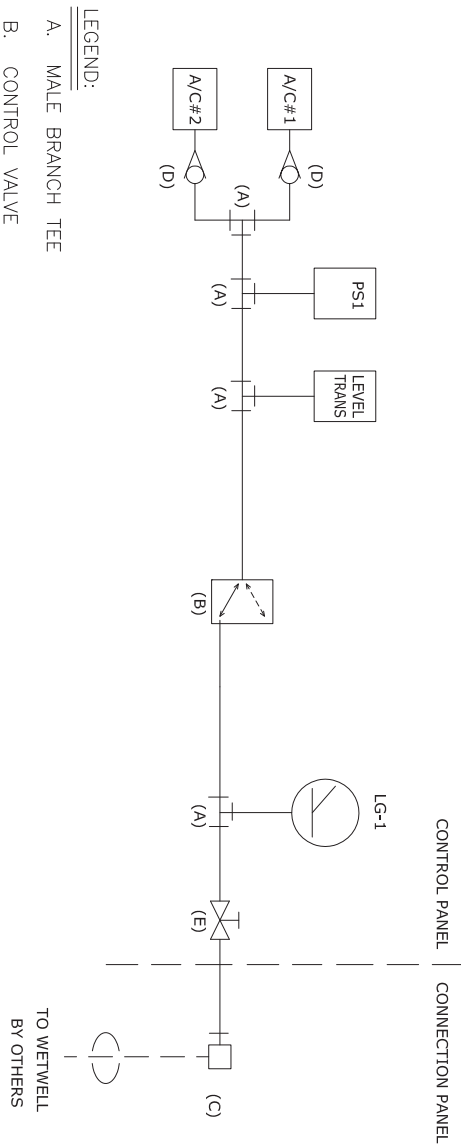


ELECTRICAL CONTROLS CIRCUIT (DUPEX)



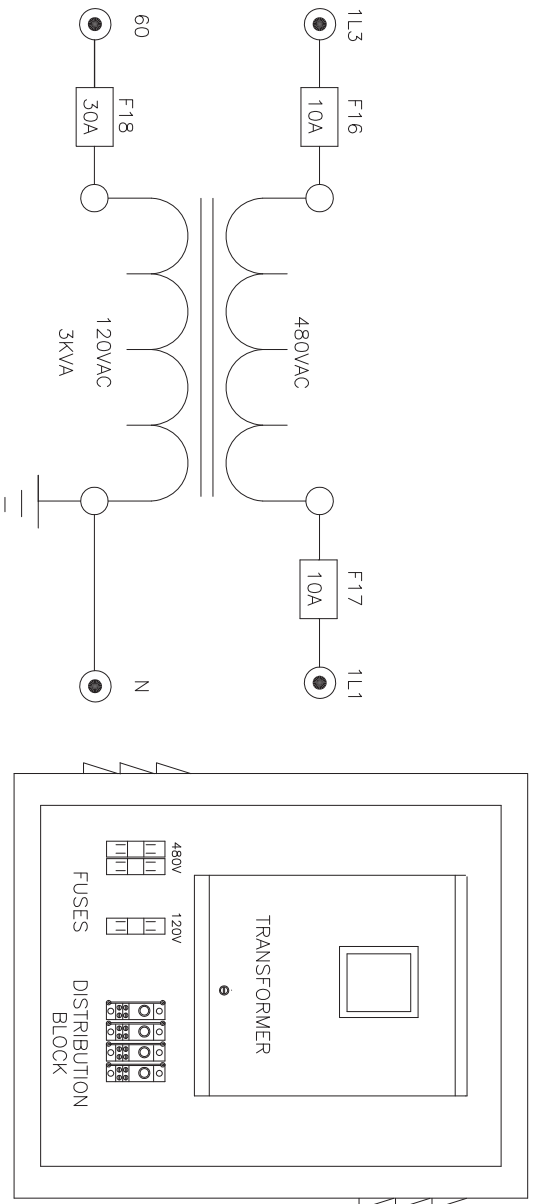
FLORIDA LICENSED PROFESSIONAL ENGINEER TO REVIEW AND MODIFY ELECTRICAL DESIGN AS REQUIRED TO ACCOMPLISH CONSTRUCTION IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.

	<p>PROJECT NAME: LIFT STATION REHABILITATION AND REPAIR</p> <p>PROJECT NO 8548-100768</p> <p style="font-size: 1.2em; font-weight: bold; color: red;">NOT FOR CONSTRUCTION</p>	
	<p>SEAL</p>	
<p>DESIGNER: _____</p> <p>DATE: _____</p>	<p>DRAWING NAME: DUPEX CONTROLS CIRCUIT</p> <p>SCALE: AS SHOWN</p> <p>DESIGNATION: E-3</p>	<p>DRAWN: _____</p> <p>CHECK: _____</p> <p>REVISION DESCRIPTION: _____</p>



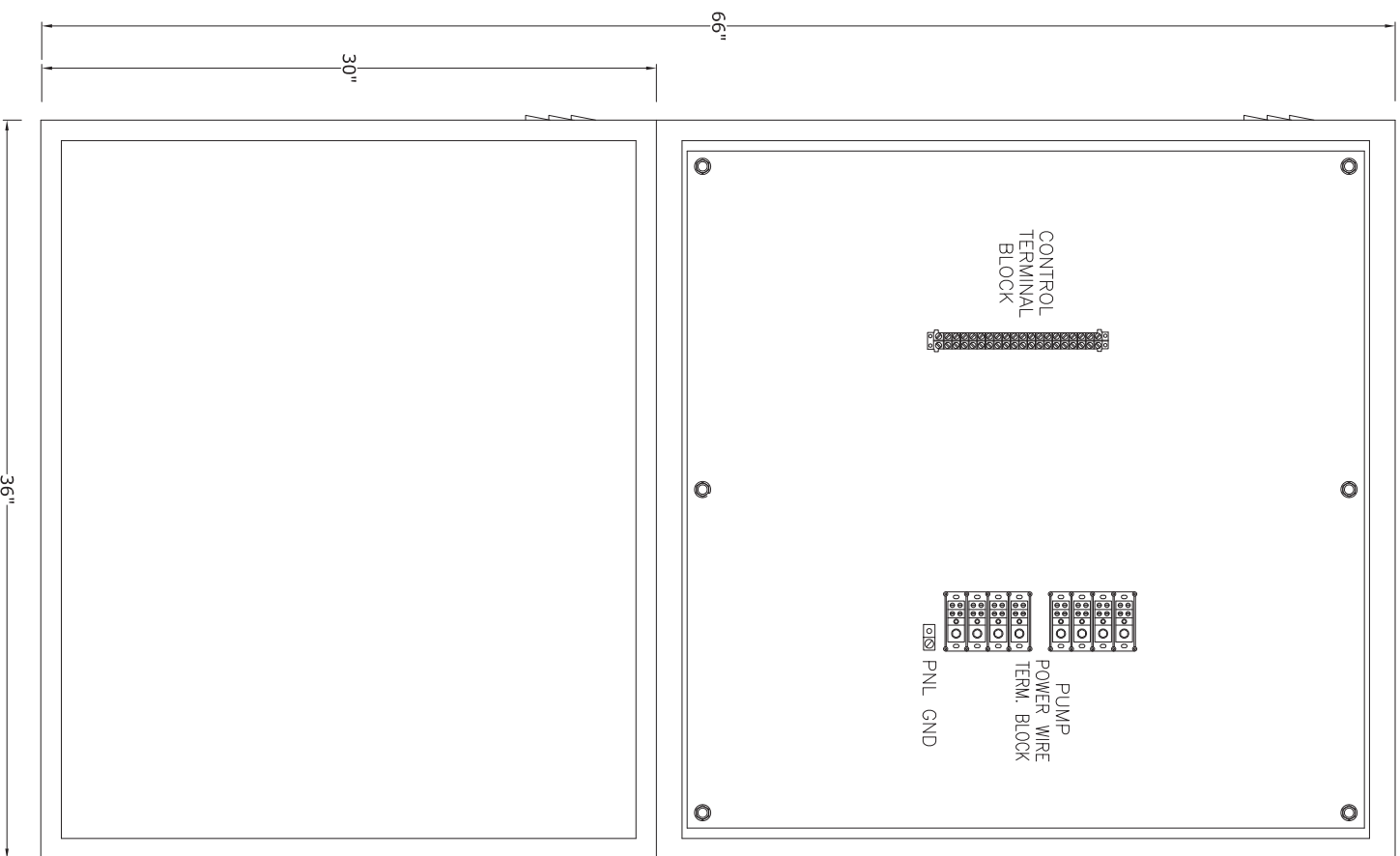
- LEGEND:
- A. MALE BRANCH TEE
 - B. CONTROL VALVE
 - C. BULKHEAD FITTING
 - D. CHECK VALVE
 - E. SHUT-OFF VALVE

BUBBLER PIPING



- NOTES:
- ENCLOSURE: 24" X 20" X 8"
 - NEMA 3R, 316 STAINLESS STEEL
 - VENTED HI/LOW FOR COOLING

CONTROL TRANSFORMER FOR 480V POWER



- NOTES:
- ENCLOSURE: 66" X 36" X 10"
 - NEMA 3R, 316 STAINLESS STEEL

DUPLEX CONNECTION PANEL

FLORIDA LICENSED PROFESSIONAL ENGINEER TO REVIEW AND MODIFY ELECTRICAL DESIGN AS REQUIRED TO ACCOMPLISH CONSTRUCTION IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.



PROJECT NAME:
LIFT STATION REHABILITATION AND REPAIR

PROJECT NO 8548-100768

NOT FOR CONSTRUCTION

SEAL

DESIGNER	DRAWN	CHECK
DATE	REVISION DESCRIPTION	

DRAWING NAME:
DUPLEX CONNECTION PANEL & CONTROL TRANSFORMER

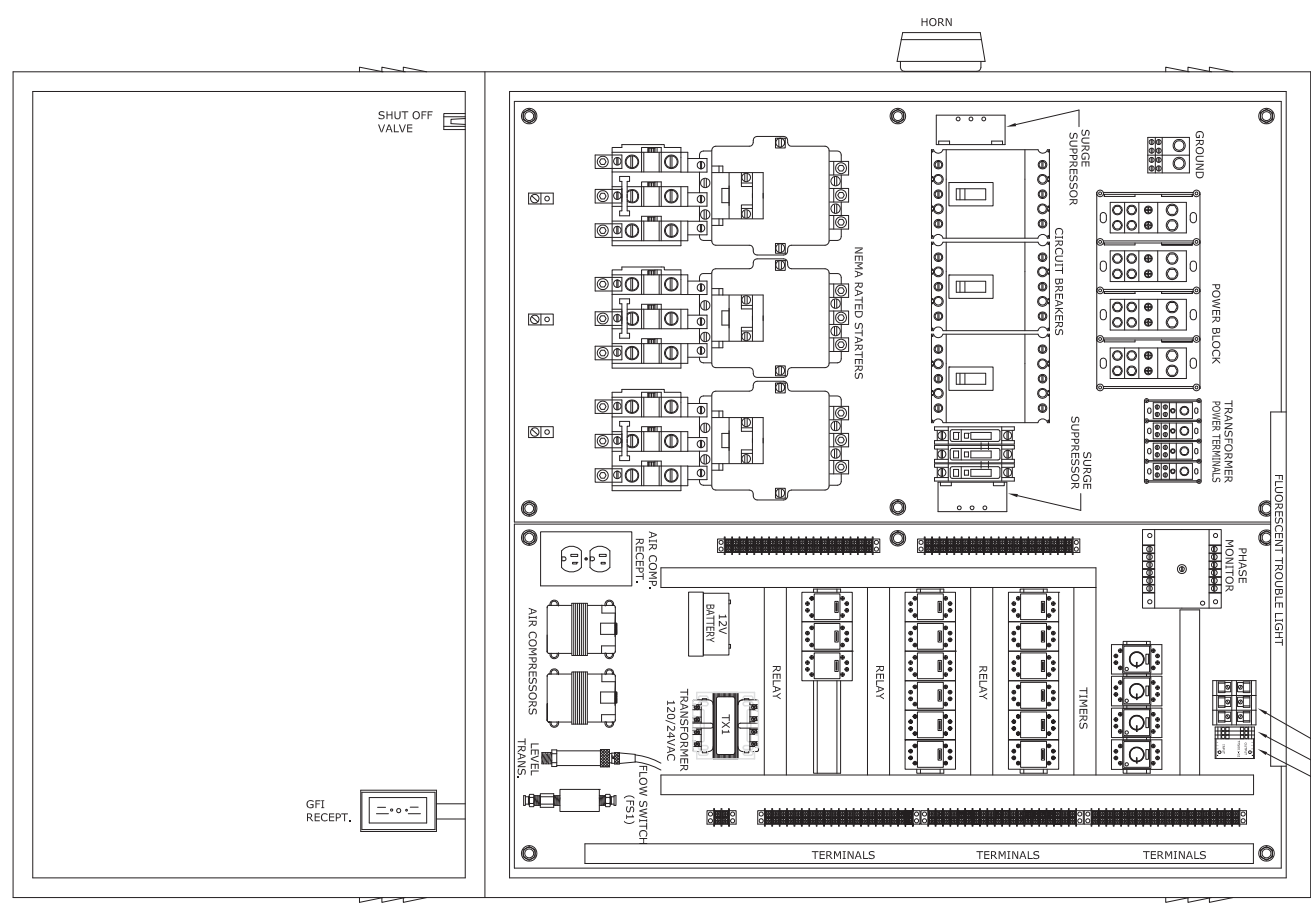
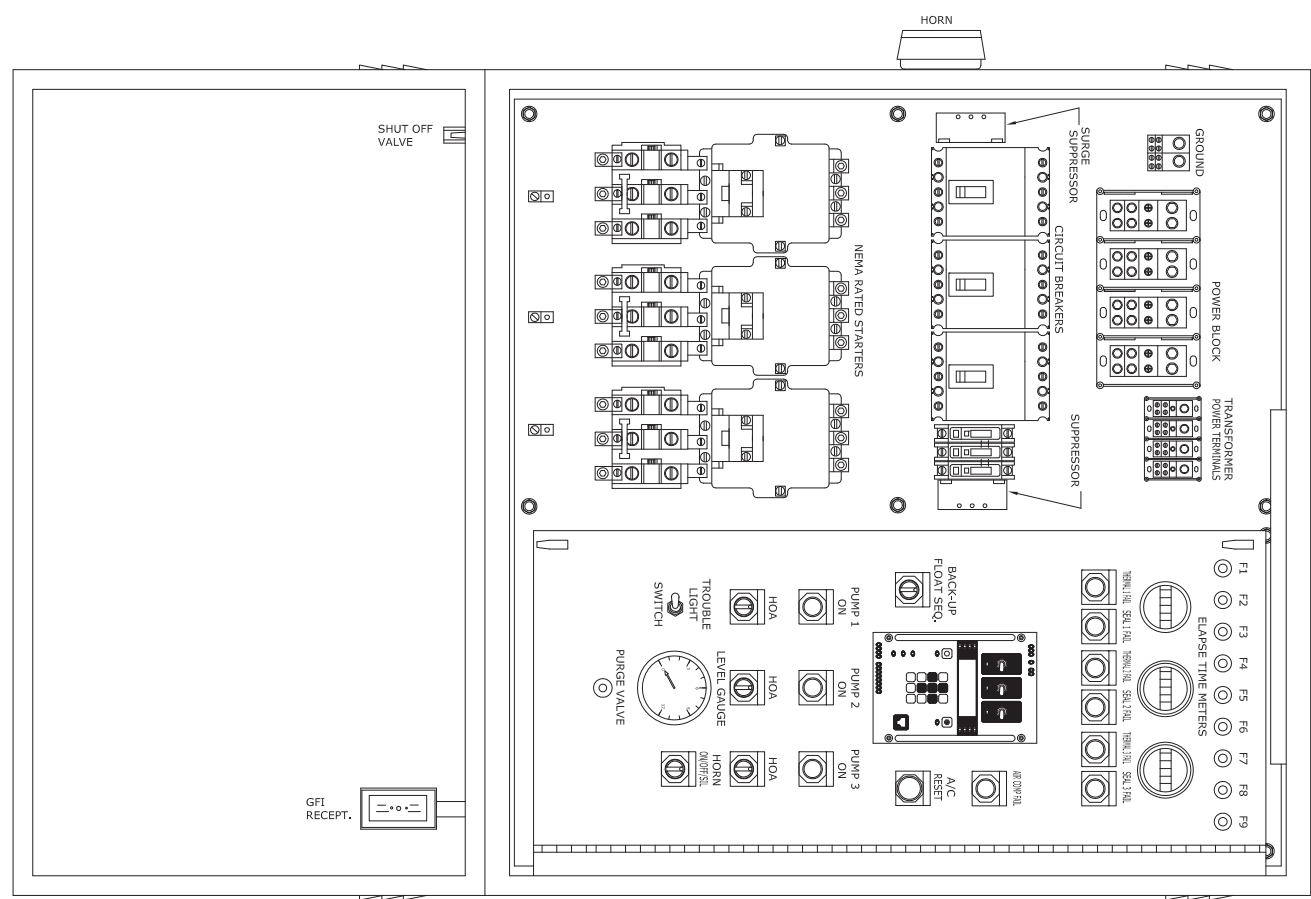
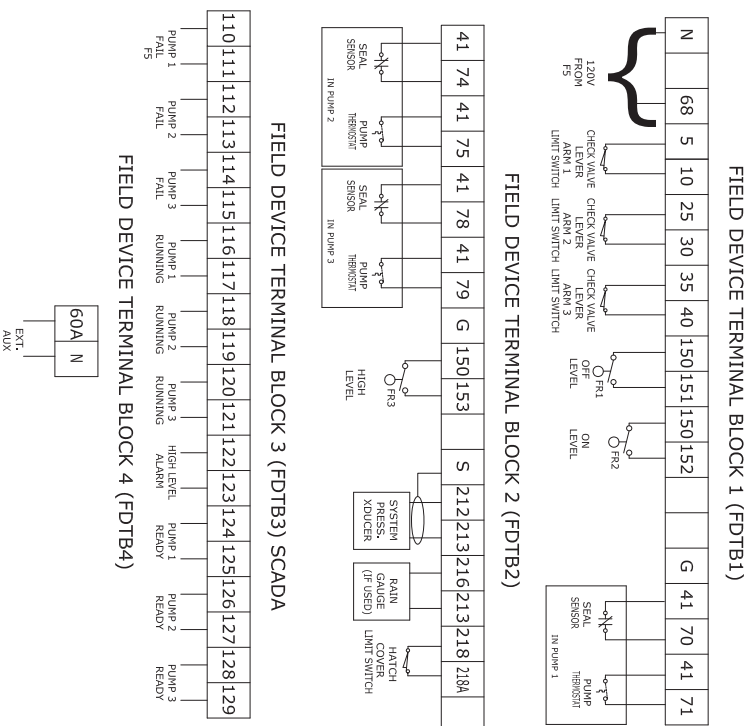
SCALE:
AS SHOWN

DWG NO:

DESIGNATION:
E-4

FLORIDA LICENSED PROFESSIONAL ENGINEER TO REVIEW AND
MODIFY ELECTRICAL DESIGN AS REQUIRED TO ACCOMPLISH
CONSTRUCTION IN ACCORDANCE WITH APPLICABLE CODES AND
STANDARDS.

TRIPLEX ELECTRICAL INPUT CONNECTION BLOCK

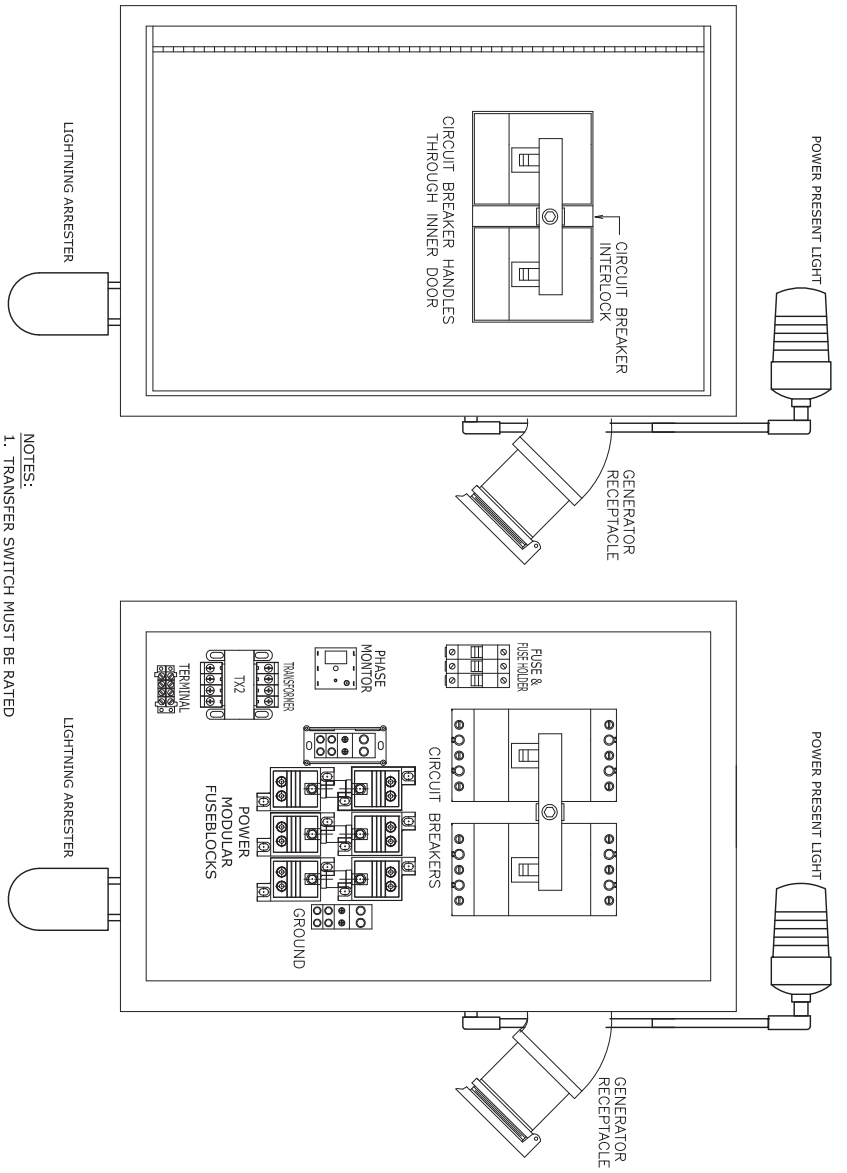


TRIPLEX CONTROL PANEL LAYOUT
ENCLOSURE SIZE: 66" X 42" X 12"
RATING: NEMA 3R
MATERIAL: 316 STAINLESS STEEL

PROJECT NAME:
**LIFT STATION REHABILITATION
AND REPAIR**
PROJECT NO 8548-100768
NOT FOR CONSTRUCTION



DESIGNER:	DRAWN:	CHECK:
DATE:	REVISION DESCRIPTION:	
DRAWING NAME: TRIPLEX CONTROL PANEL		
SCALE: AS SHOWN	DWG NO.:	
DESIGNATION: E-5		



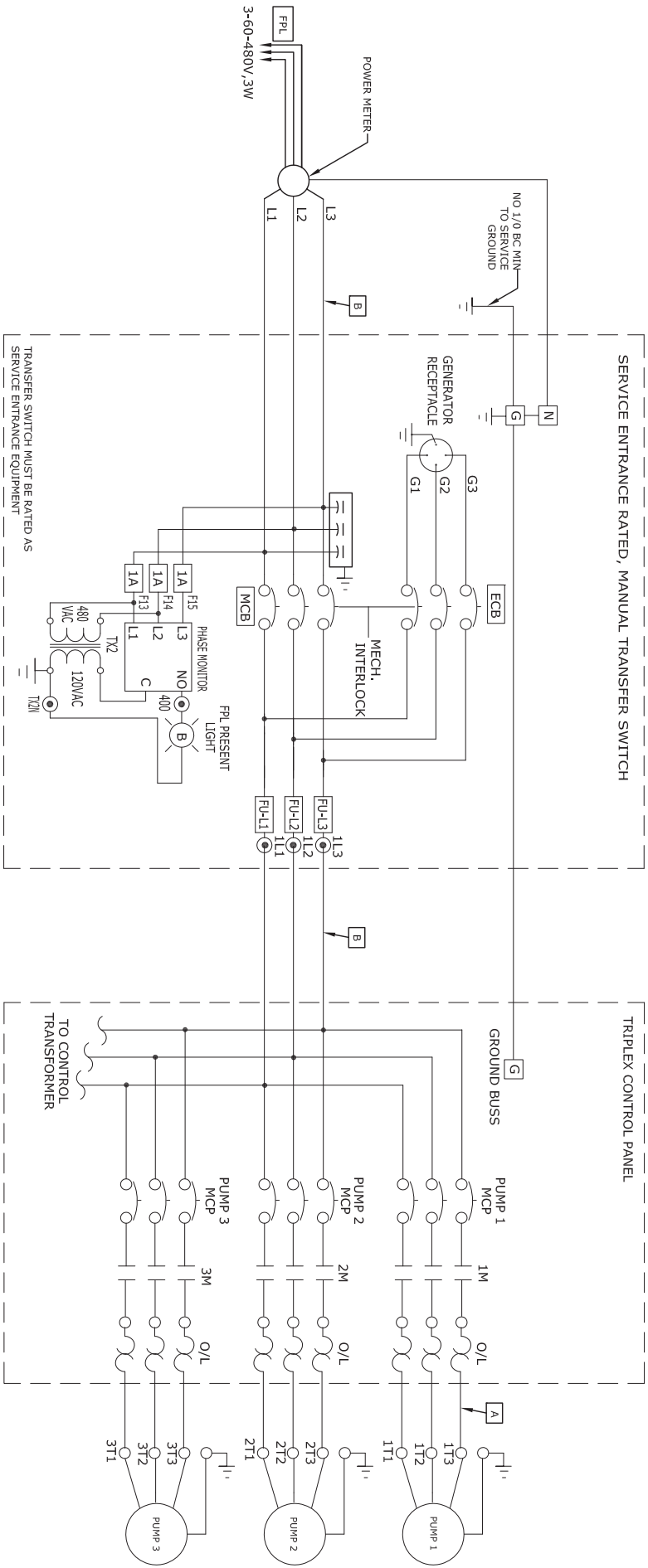
- NOTES:
1. TRANSFER SWITCH MUST BE RATED AS SERVICE ENTRANCE EQUIPMENT
 2. ENCLOSURE SIZE: 30" X 20" X 10" NEMA 3R, 316 STAINLESS STEEL

EMERGENCY CONNECTION/TRANSFER SWITCH
NTS

NOTE:
MCB AND ECB ARE TO BE SUITABLE TO PERFORM AS SERVICE ENTRANCE EQUIPMENT. SERVICE DISCONNECTS TO BE CAPABLE OF BEING OPERATED WITHOUT EXPOSING OPERATOR TO CONTACT WITH LIVE PARTS. GROUND FAULT PROTECTION, 30000 IC AT 480 V.

HP	MOTOR AMP (I)	STARTER SIZE	CONDUCTOR (A)	PUMP MCP	MAIN/EMER CB	CONDUCTOR (B)	GENERATOR PLUG*	SERVICE RACEWAY (MIN)
50	65	4	4	175	300	350 KCM(263.8A)	200	3"
60	77	4	3	200	350	500 KCM(308.8A)	200	4"
75	96	4	1	250	400	500 KCM(380A)	200	4"
100	124	4	2/0	250	500	2 SETS OF 250 KCM (485A)	200	2 SETS OF 3"

- NOTE :
1. THE ABOVE TABLE COMPILED PER CURRENT NATIONAL ELECTRICAL CODE SECTION 430 TABLE 430.250
 2. GROUNDING ELECTRODE SIZED PER NATIONAL ELECTRICAL CODE
 3. *GENERATOR PLUGS ARE SIZED TO MATCH THE GENERATOR'S COHD, NOT THE ELECTRICAL SERVICE.
 4. CONDUCTOR B IS A SERVICE FEEDER, SIZED FOR 3 PUMPS AT 125% OF FLA PLUS A 20 AMP GENERAL LOAD.
 5. DESIGNER TO VERIFY DATA IN THESE TABLES
 6. SERVICE RACEWAY TO BE OVERSIZED AS SHOWN TO ACCOMMODATE FUTURE EXPANSION.



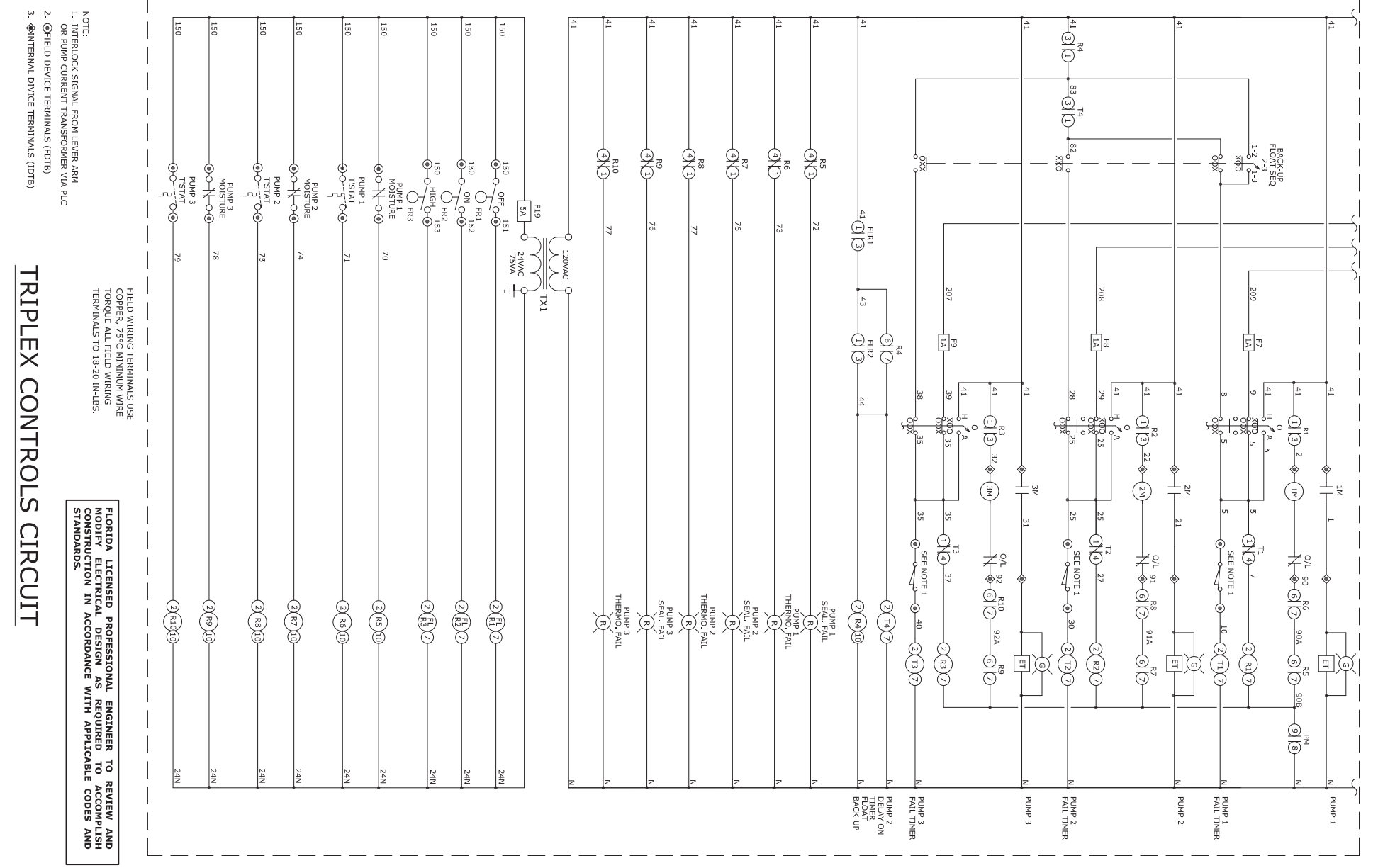
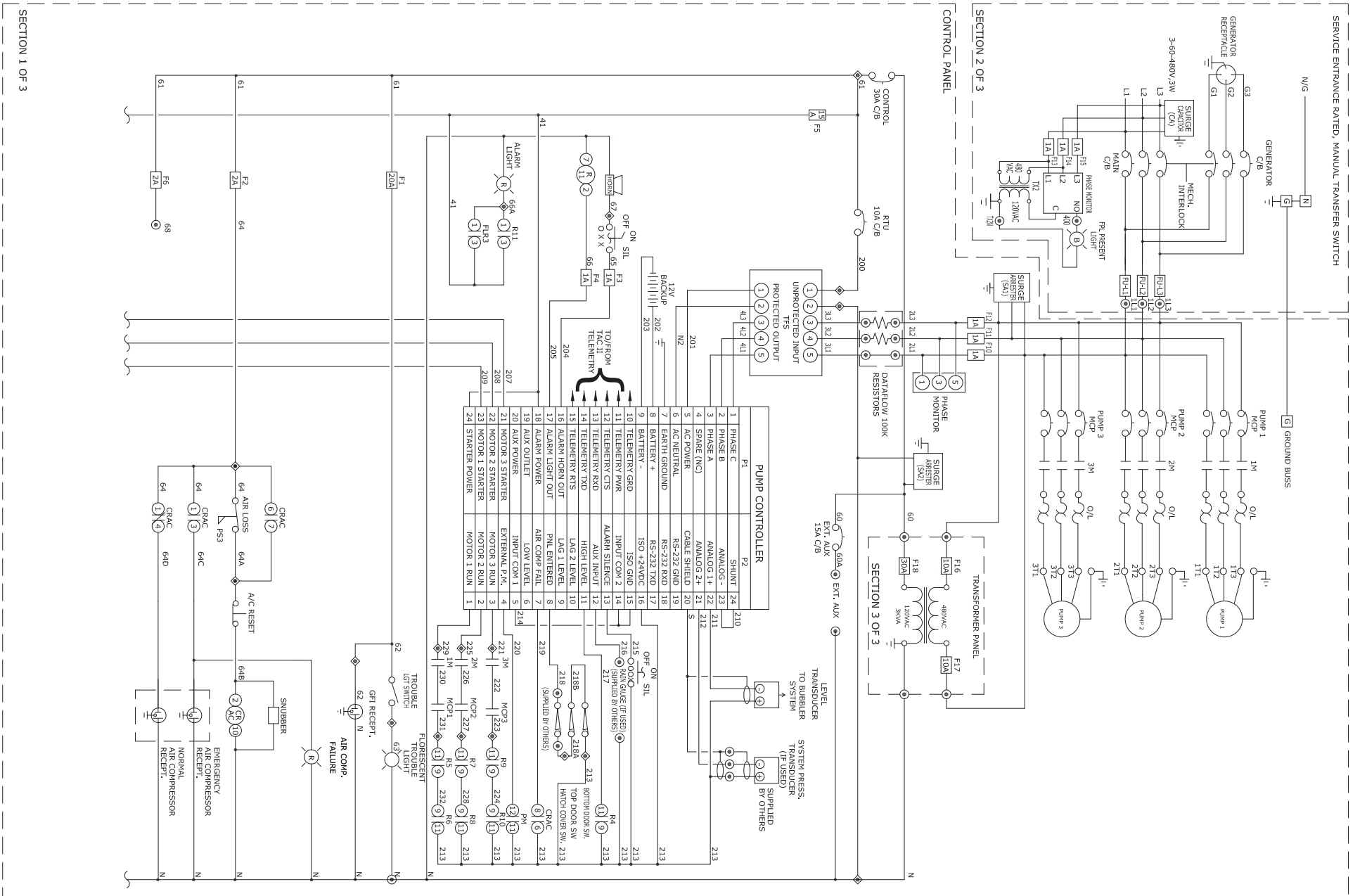
480V MAIN POWER CIRCUIT

FLORIDA LICENSED PROFESSIONAL ENGINEER TO REVIEW AND MODIFY ELECTRICAL DESIGN AS REQUIRED TO ACCOMPLISH CONSTRUCTION IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.



PROJECT NAME:
LIFT STATION REHABILITATION AND REPAIR
PROJECT NO 8548-100768
NOT FOR CONSTRUCTION

DESIGNER:	DRAWN:	CHECK:
DATE:	REVISION DESCRIPTION:	
DRAWING NAME: TRIPLEX ELECTRICAL SERVICE AND TRANSFER SWITCH		
SCALE: AS SHOWN	DWG NO.:	
DESIGNATION: E-6		



NOTE:
1. INTERLOCK SIGNAL FROM LEVER ARM
ON PUMP CURRENT TRANSFORMER VIA PLC
2. FIELD DEVICE TERMINALS (FDTB)
3. INTERNAL DEVICE TERMINALS (IDTB)

FIELD WIRING TERMINALS USE
COPPER, 75°C MINIMUM WIRE
TORQUE ALL FIELD WIRING
TERMINALS TO 18-20 IN.-LBS.

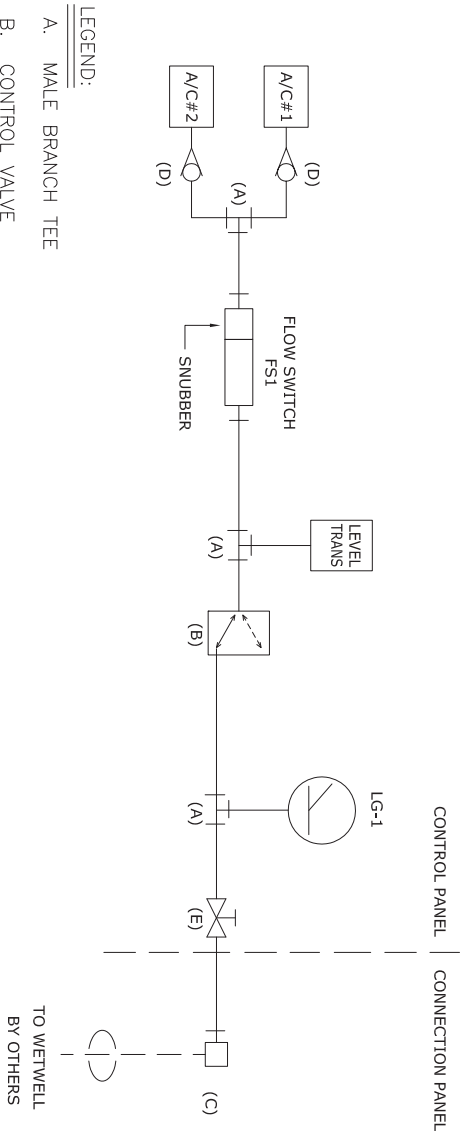
FLORIDA LICENSED PROFESSIONAL ENGINEER TO REVIEW AND
MODIFY ELECTRICAL DESIGN AS REQUIRED TO ACCOMPLISH
CONSTRUCTION IN ACCORDANCE WITH APPLICABLE CODES AND
STANDARDS

DRAWING NAME:
TRIPLEX CONTROLS CIRCUIT
SCALE: AS SHOWN
DWG NO:

DESIGN: _____
DATE: _____
REVISION DESCRIPTION: _____
DRAWN: _____
CHECK: _____

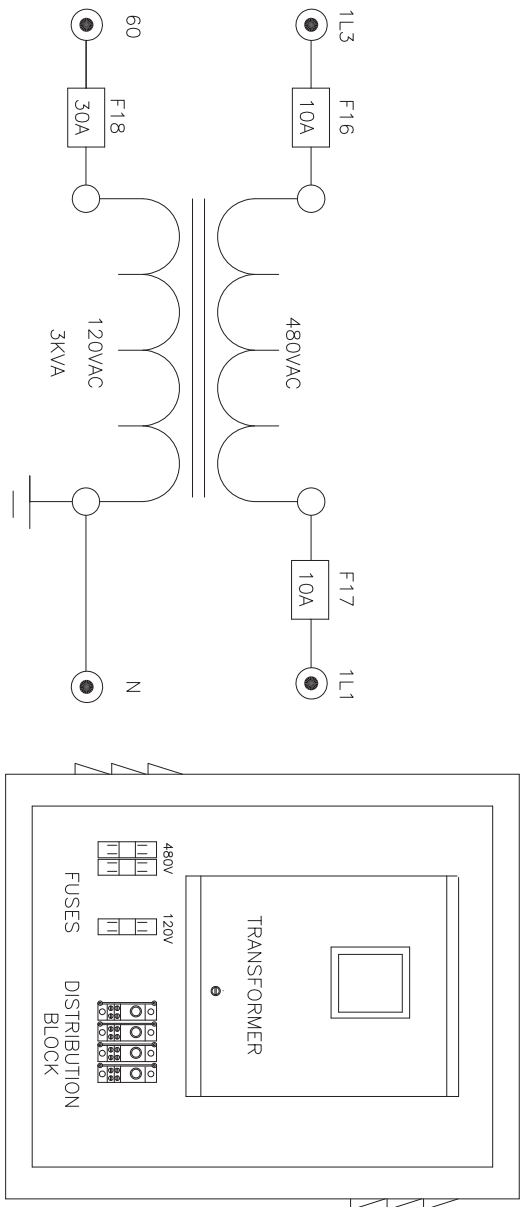
PROJECT NAME:
**LIFT STATION REHABILITATION
AND REPAIR**
PROJECT NO 8548-100768
NOT FOR CONSTRUCTION





- LEGEND:
- A. MALE BRANCH TEE
 - B. CONTROL VALVE
 - C. BULKHEAD FITTING
 - D. CHECK VALVE
 - E. SHUT-OFF VALVE

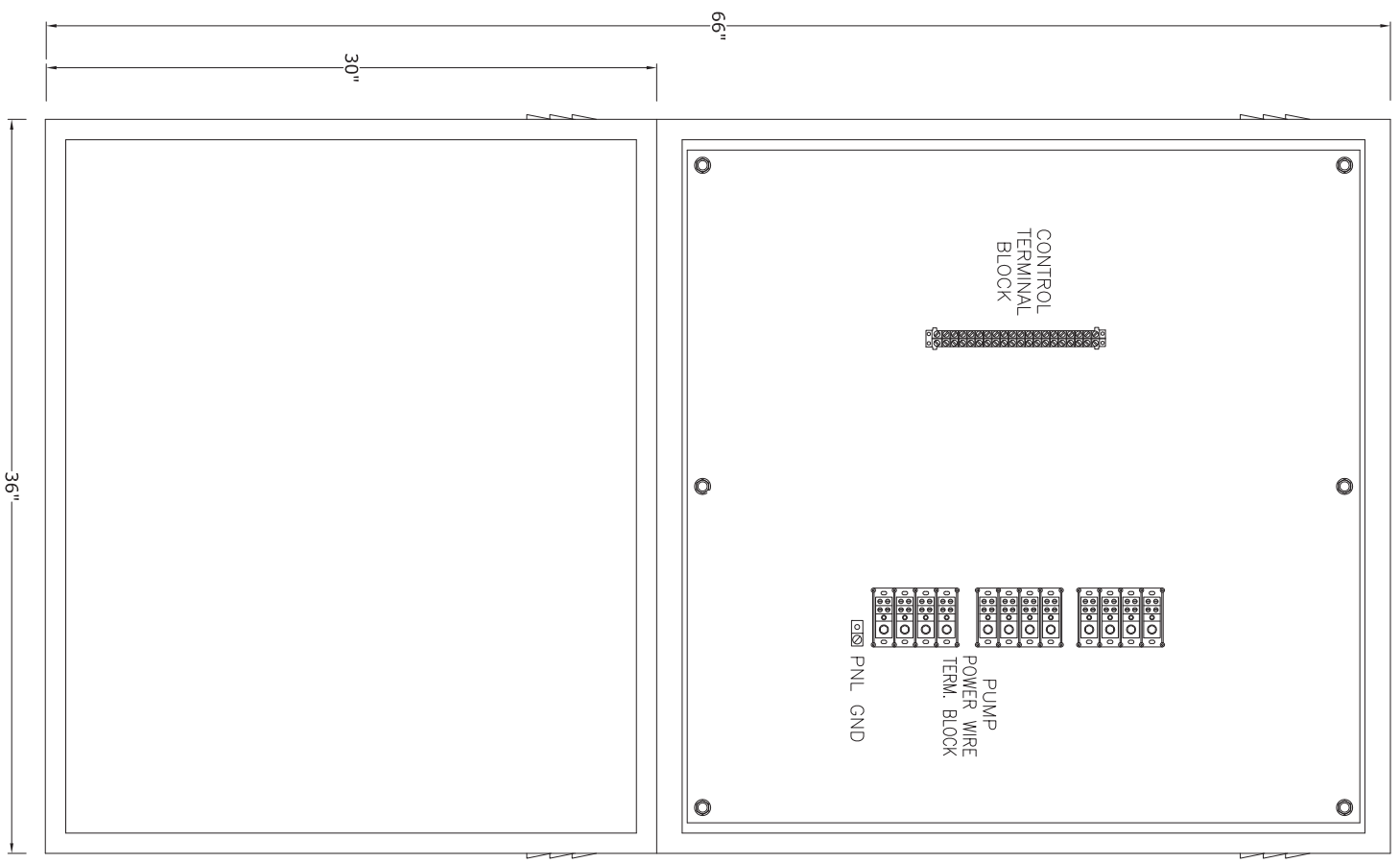
BUBBLER PIPING



- NOTES:
- ENCLOSURE: 24" X 20" X 8"
 - NEMA 3R, 316 STAINLESS STEEL
 - VENTED HI/LOW FOR COOLING

CONTROL TRANSFORMER FOR 480V POWER

FLORIDA LICENSED PROFESSIONAL ENGINEER TO REVIEW AND MODIFY ELECTRICAL DESIGN AS REQUIRED TO ACCOMPLISH CONSTRUCTION IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.



- NOTES:
- ENCLOSURE: 66" X 36" X 10"
 - NEMA 3R, 316 STAINLESS STEEL

TRIPLEX CONNECTION PANEL

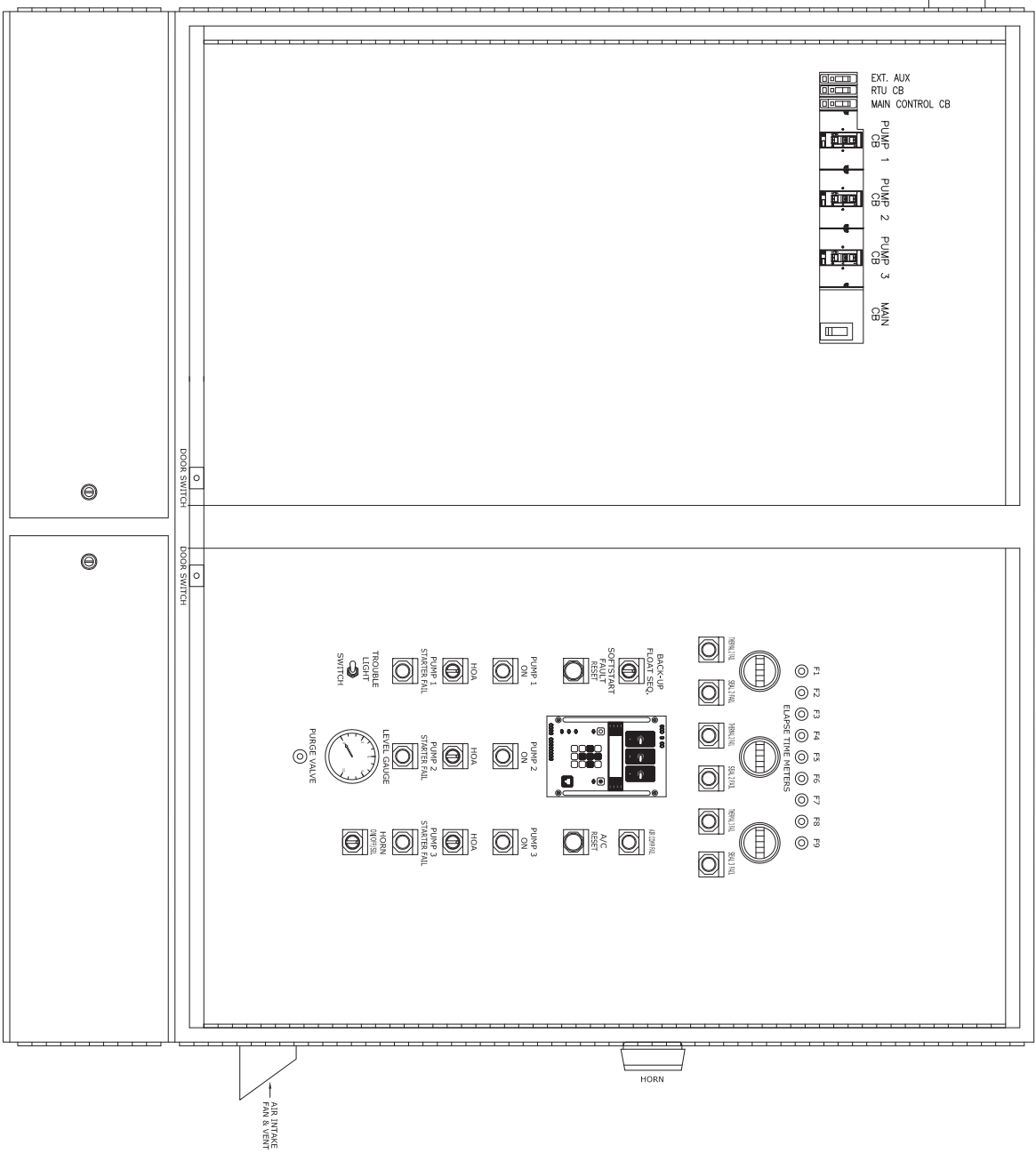
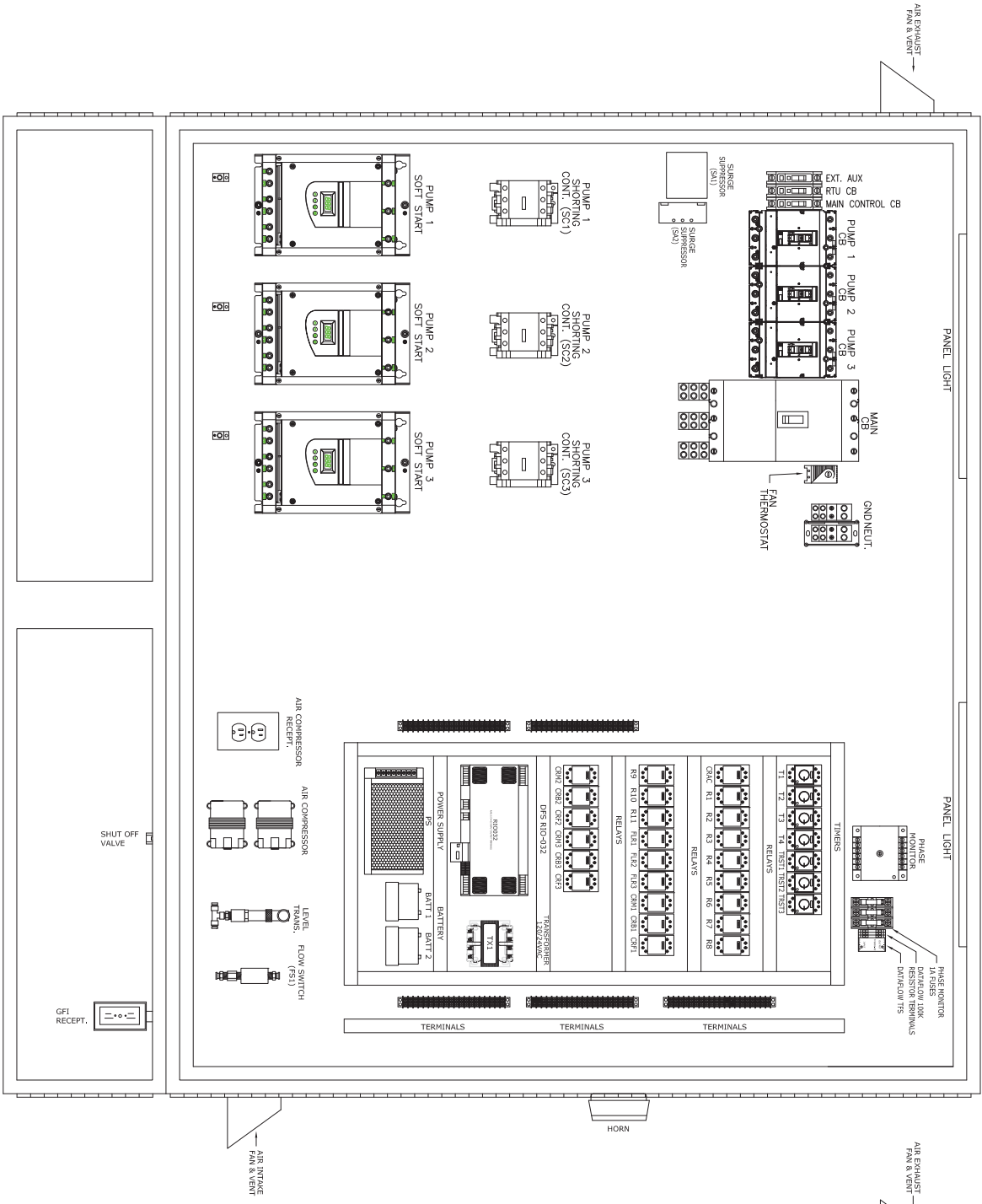
PROJECT NAME:
LIFT STATION REHABILITATION AND REPAIR

PROJECT NO 8548-100768

NOT FOR CONSTRUCTION

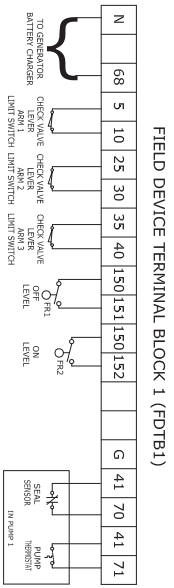


DESIGNER:	DRAWN:	CHECK:
DATE:	REVISION DESCRIPTION:	
DRAWING NAME: TRIPLEX CONNECTION PANEL & CONTROL TRANSFORMER		
SCALE: AS SHOWN	DWG NO.:	
DESIGNATION: E-8		

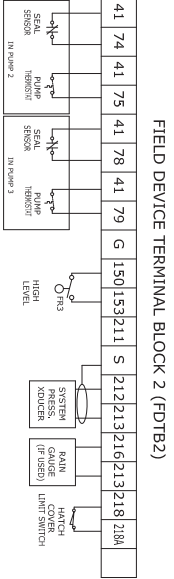


NOTE:
ENCLOSURE SHALL BE NEMA 3R 316 STAINLESS STEEL, 60" H X 72" W X 12" D
WITH 12" X 72" X 16" BASE

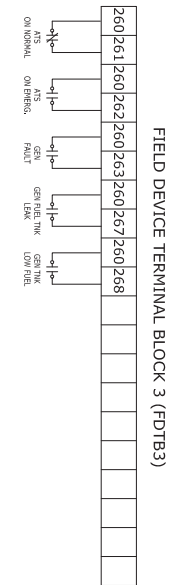
TRIPLEX CONTROL PANEL LAYOUT
FOR LIFT STATION WITH STANDBY GENERATOR



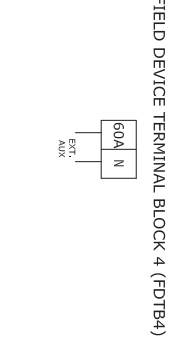
FIELD DEVICE TERMINAL BLOCK 1 (FDTB1)



ELECTRICAL INPUT CONNECTION BLOCK



FIELD DEVICE TERMINAL BLOCK 2 (FDTB2)



FIELD DEVICE TERMINAL BLOCK 3 (FDTB3)



FIELD DEVICE TERMINAL BLOCK 4 (FDTB4)

FLORIDA LICENSED PROFESSIONAL ENGINEER TO REVIEW AND
MODIFY ELECTRICAL DESIGN AS REQUIRED TO ACCOMPLISH
CONSTRUCTION IN ACCORDANCE WITH APPLICABLE CODES AND
STANDARDS.

PROJECT NAME:
**LIFT STATION REHABILITATION
AND REPAIR**

PROJECT NO 8548-100768

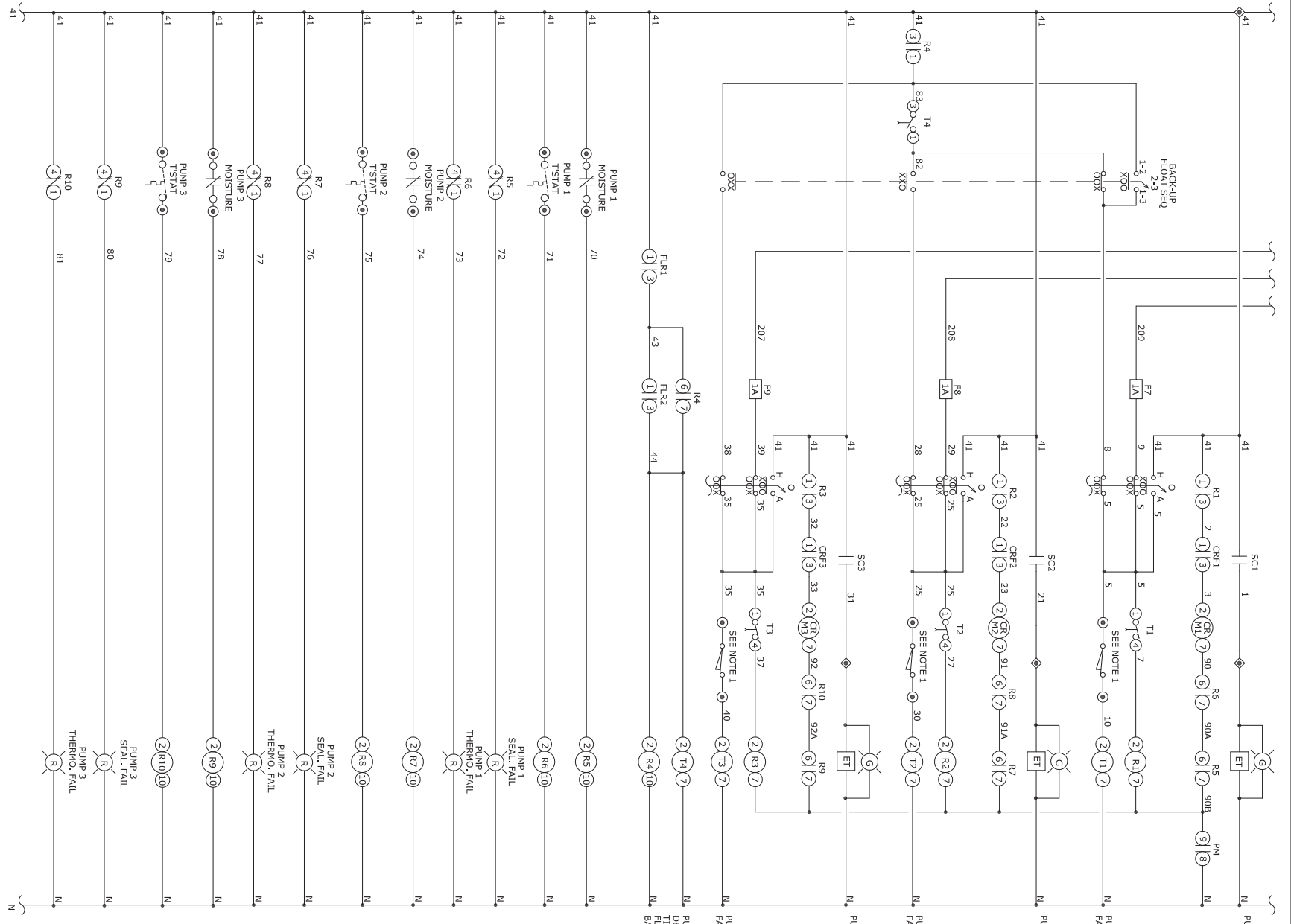
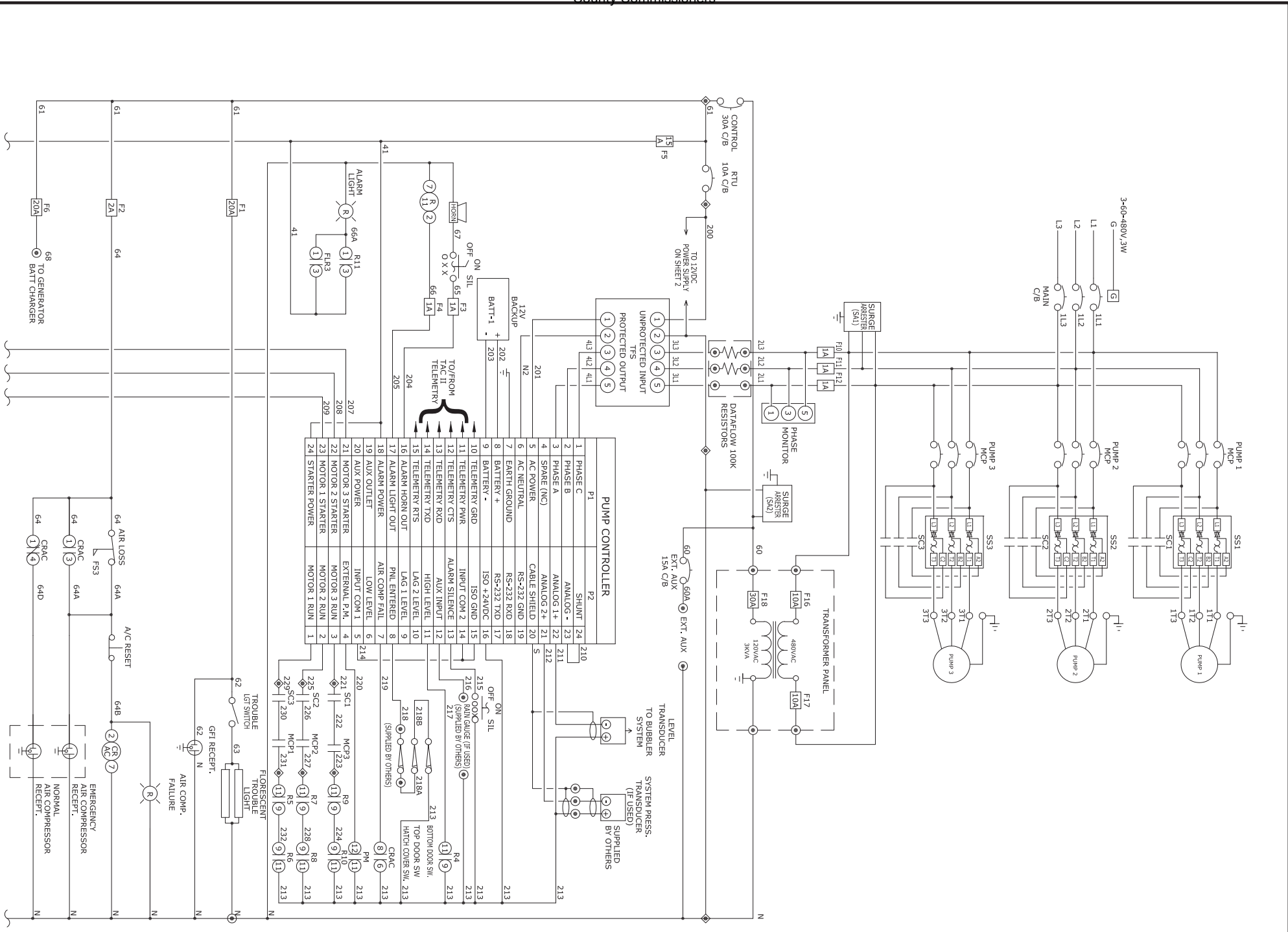
NOT FOR CONSTRUCTION



SEAL

DESIGN:	DRAWN:	CHECK:
DATE:	REVISION DESCRIPTION:	

DRAWING NAME:
TRIPLEX CONTROL PANEL FOR
LIFT STA. W/ STANDBY GEN.
SCALE:
AS SHOWN
DWG NO:
DESIGNATION:
E-9

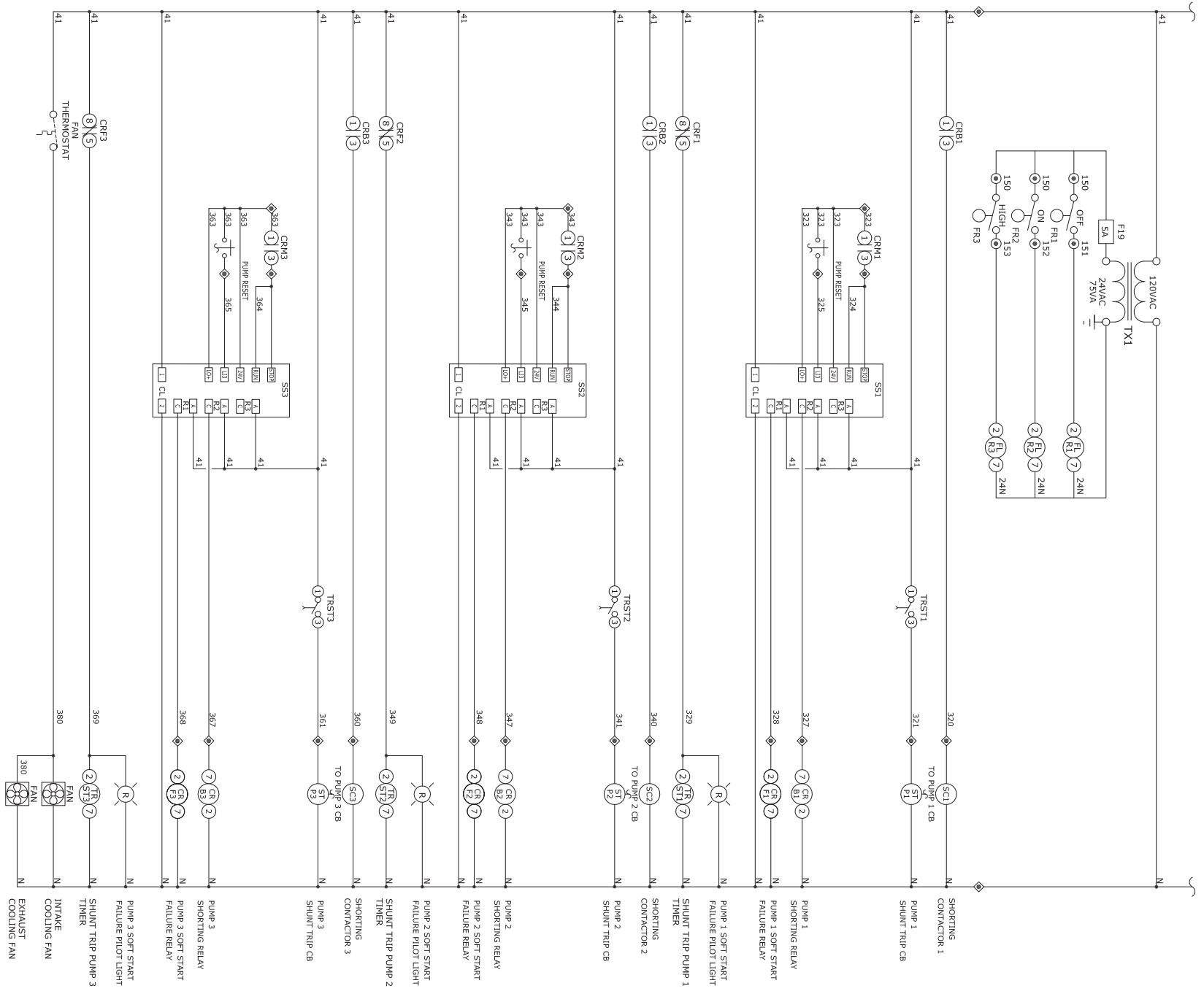
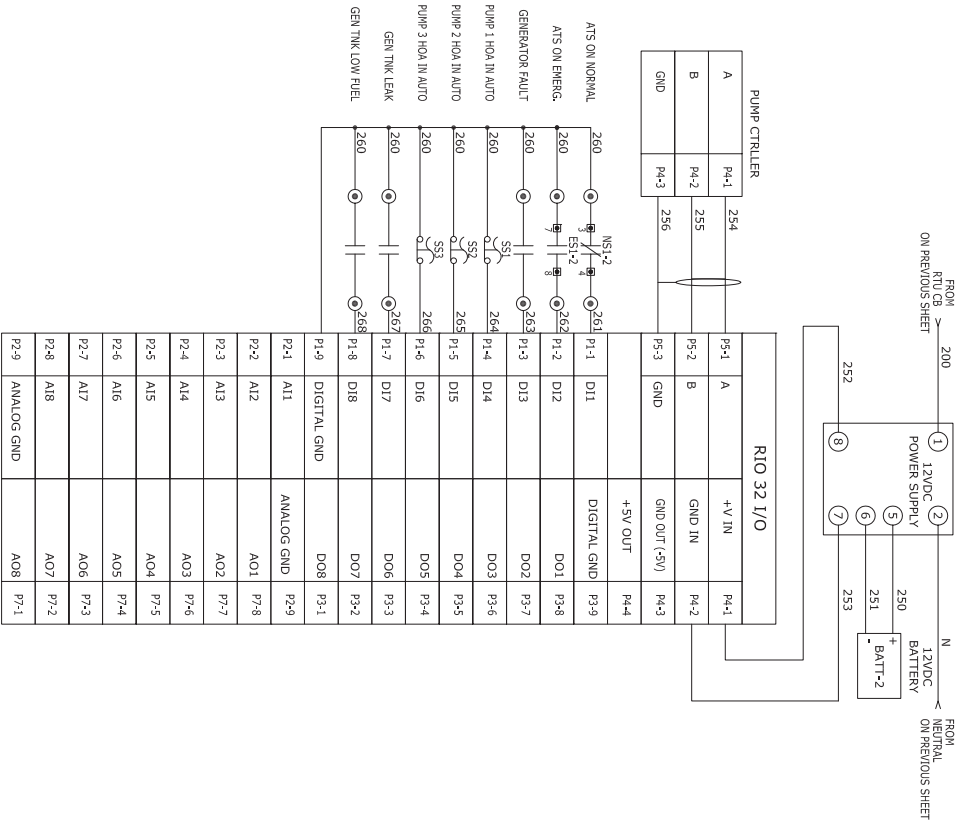


- NOTE:
1. INTERLOCK SIGNAL FROM LEVER ARM OR PUMP CURRENT TRANSFORMER VIA PLC
 2. FIELD DEVICE TERMINALS (FDTB)
 3. INTERNAL DEVICE TERMINALS (IDTB)

FLORIDA LICENSED PROFESSIONAL ENGINEER TO REVIEW AND MODIFY ELECTRICAL DESIGN AS REQUIRED TO ACCOMPLISH CONSTRUCTION IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.

<p>BROWARD COUNTY FLORIDA</p>	
<p>PROJECT NAME: LIFT STATION REHABILITATION AND REPAIR</p>	
<p>PROJECT NO 8548-100768</p>	
<p>NOT FOR CONSTRUCTION</p>	
<p>DESIGNER: _____</p>	<p>DRAWN: _____</p>
<p>DATE: _____</p>	<p>REVISION DESCRIPTION: _____</p>
<p>DESIGNATION: _____</p>	<p>CHECK: _____</p>
<p>SCALE: AS SHOWN</p>	<p>DWG NO: _____</p>
<p>TRIPLEX SCHEMATIC FOR LIFT STA. W/ STANDBY GEN.</p>	<p>DESIGNATION: E-10</p>

FLORIDA LICENSED PROFESSIONAL ENGINEER TO REVIEW AND MODIFY ELECTRICAL DESIGN AS REQUIRED TO ACCOMPLISH CONSTRUCTION IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.



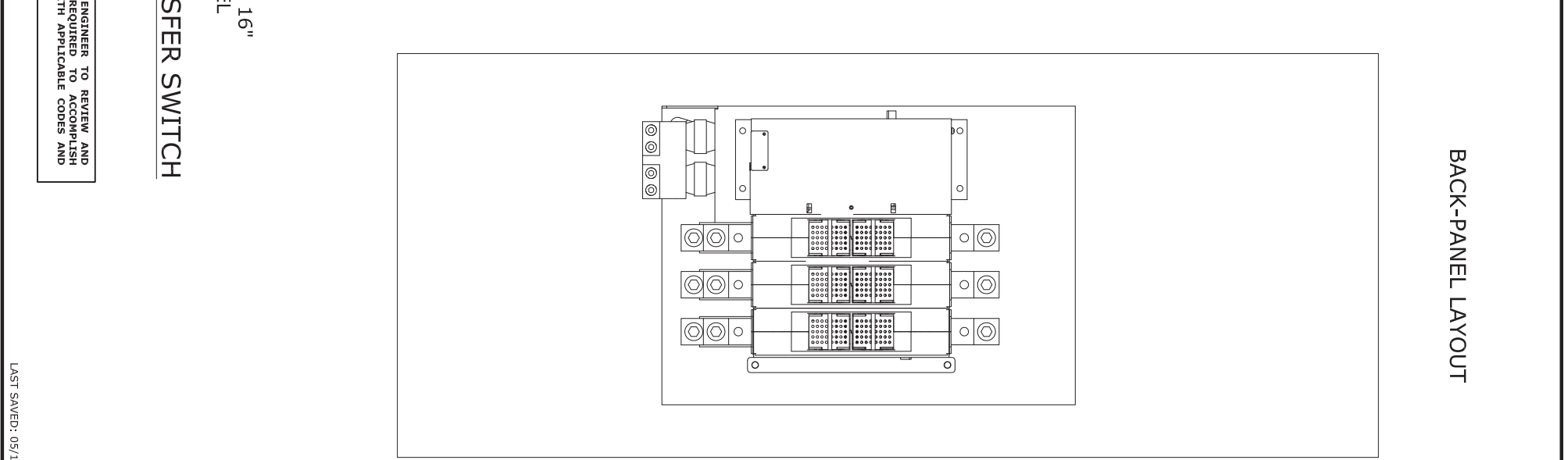
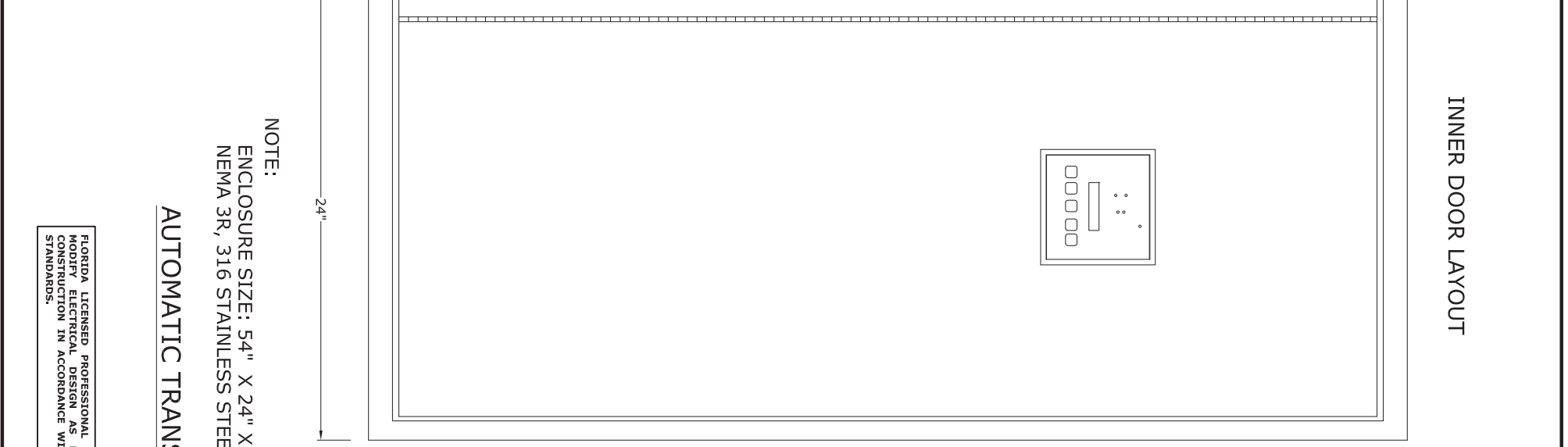
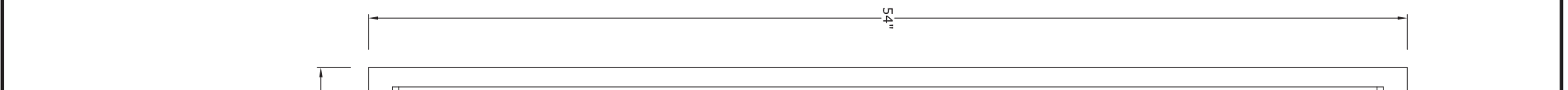
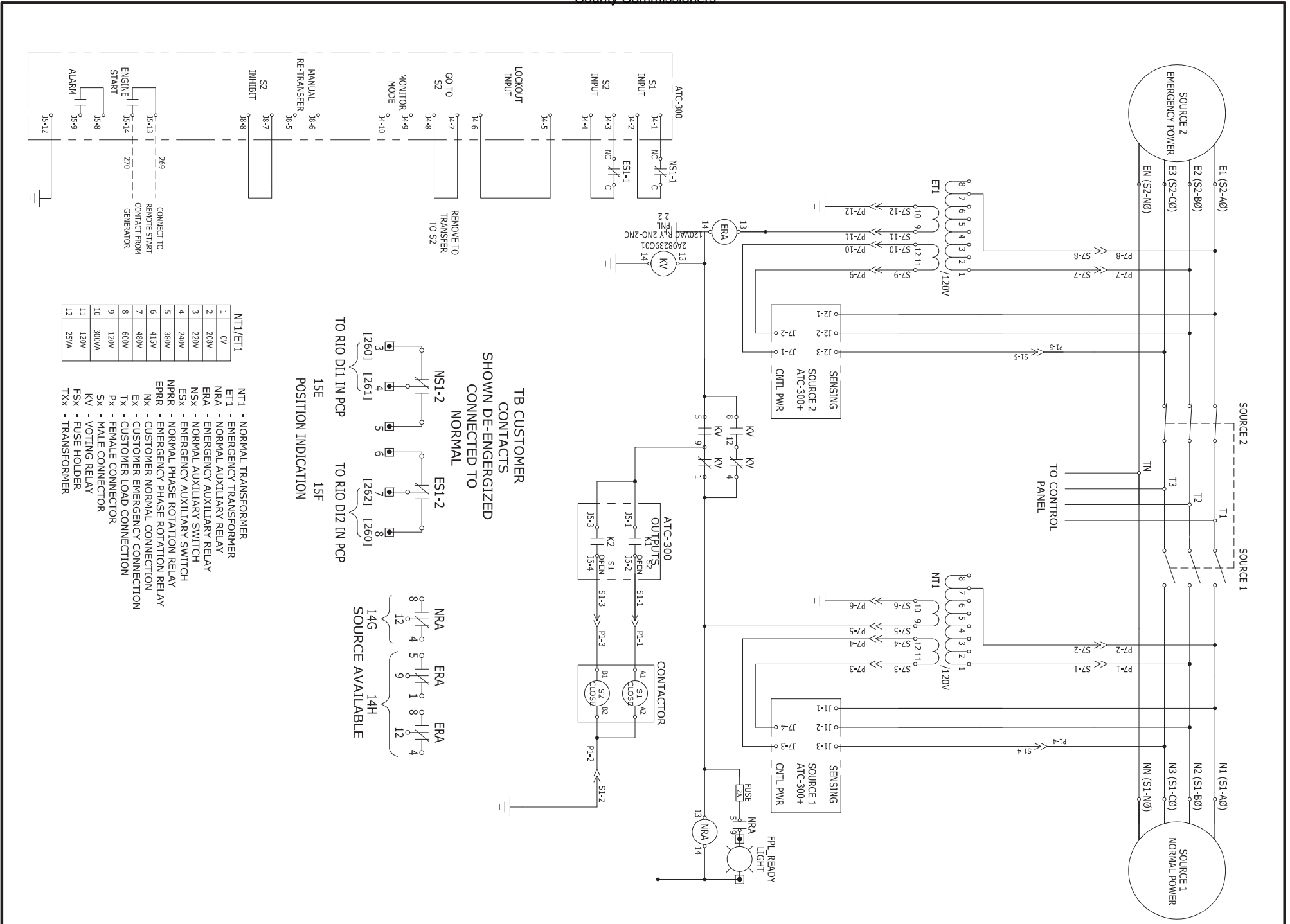
TRIPLEX SCHEMATIC FOR LIFT STATION WITH STANDBY GENERATOR

PROJECT NAME:
LIFT STATION REHABILITATION AND REPAIR
 PROJECT NO 8548-100768
NOT FOR CONSTRUCTION



DESIGNER:	DRAWN:	CHECK:
DATE:	REVISION DESCRIPTION:	

DRAWING NAME:
 TRIPLEX SCHEMATIC FOR
 LIFT STA. W/ STANDBY GEN.
 SCALE:
 AS SHOWN
 DWG NO:
 DESIGNATION:
E-11

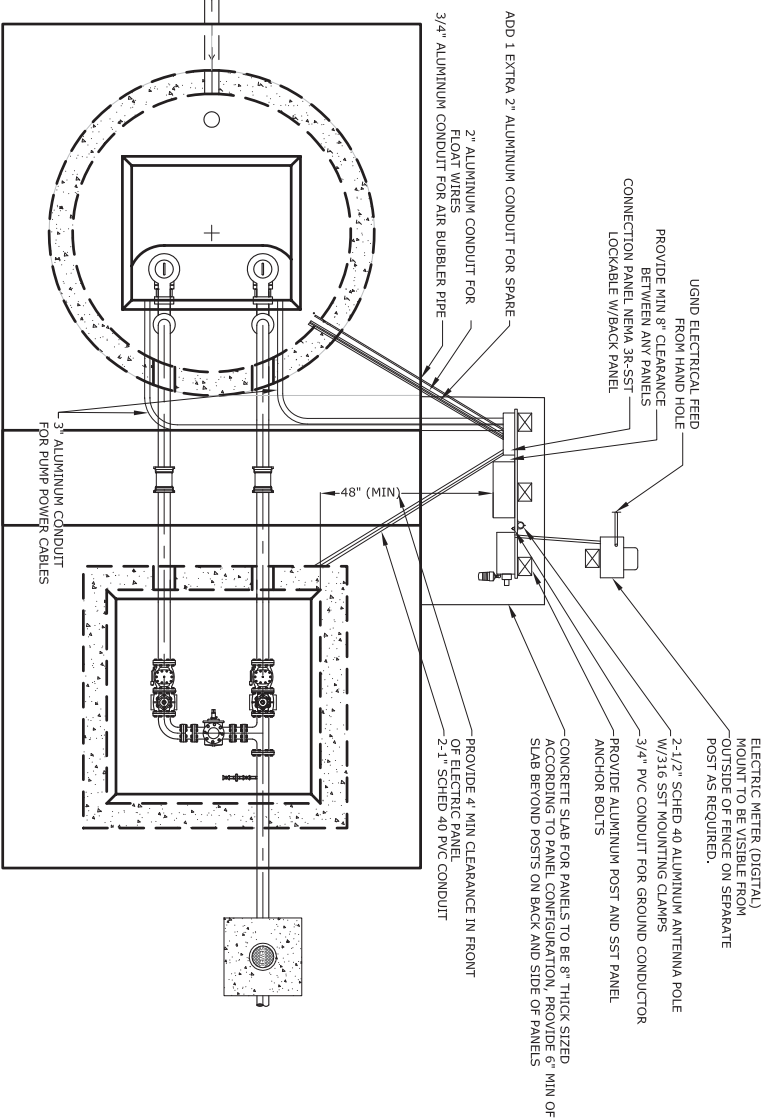


NOTE:
ENCLOSURE SIZE: 54" X 24" X 16"
NEMA 3R, 316 STAINLESS STEEL

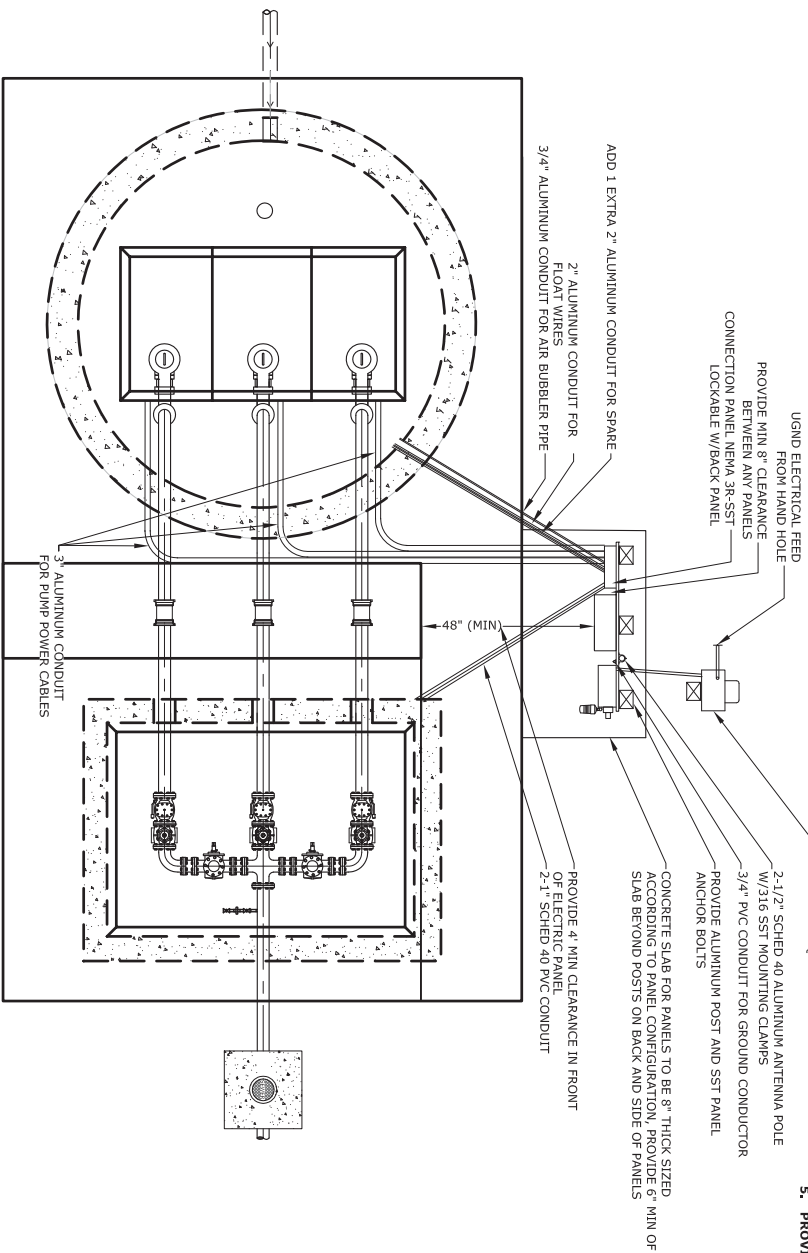
AUTOMATIC TRANSFER SWITCH

FLORIDA LICENSED PROFESSIONAL ENGINEER TO REVIEW AND MODIFY ELECTRICAL DESIGN AS REQUIRED TO ACCOMPLISH CONSTRUCTION IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.

<p>DESIGNER: _____ DRAWN: _____ CHECK: _____</p> <p>DATE: _____ REVISION DESCRIPTION: _____</p>		<p>PROJECT NAME: LIFT STATION REHABILITATION AND REPAIR</p> <p>PROJECT NO 8548-100768</p> <p>NOT FOR CONSTRUCTION</p>	<p>BR^{OW}ARD COUNTY FLORIDA</p>
<p>SEAL</p>		<p>DRAWING NAME: AUTOMATIC TRANSFER SWITCH FOR STANDBY GEN.</p> <p>SCALE: AS SHOWN DWG NO: _____</p> <p>DESIGNATION: E-12</p>	<p>4/8/2021 6:14 AM</p>

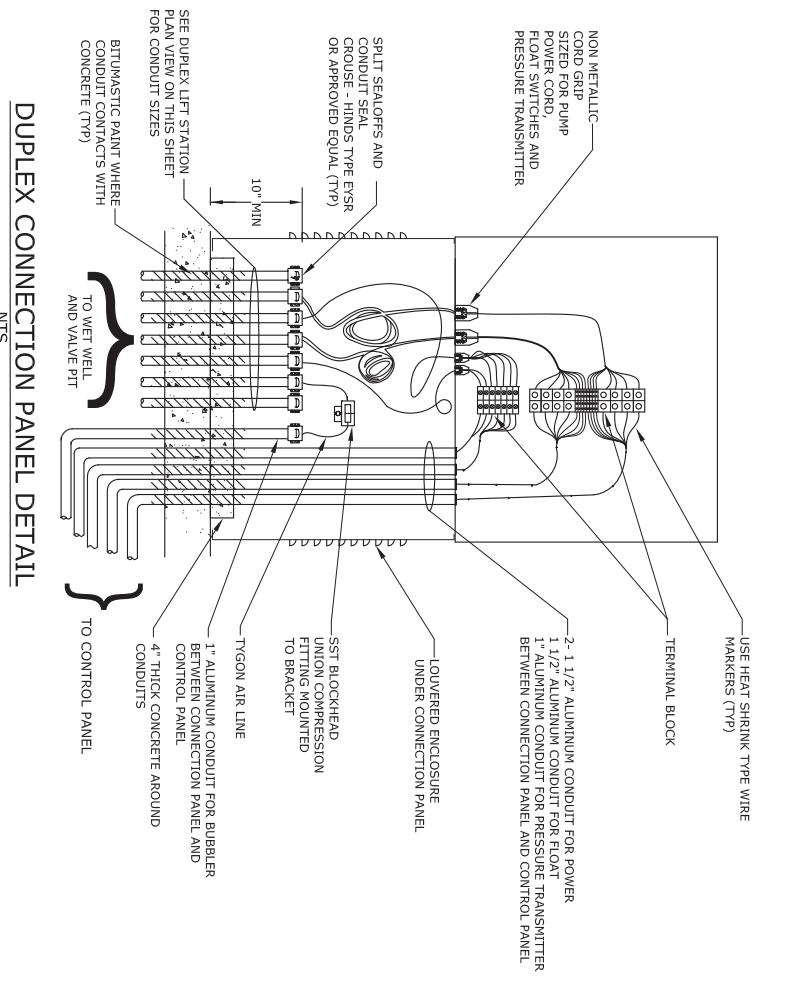


**DUPLEX LIFT STATION
PLAN VIEW**
NTS

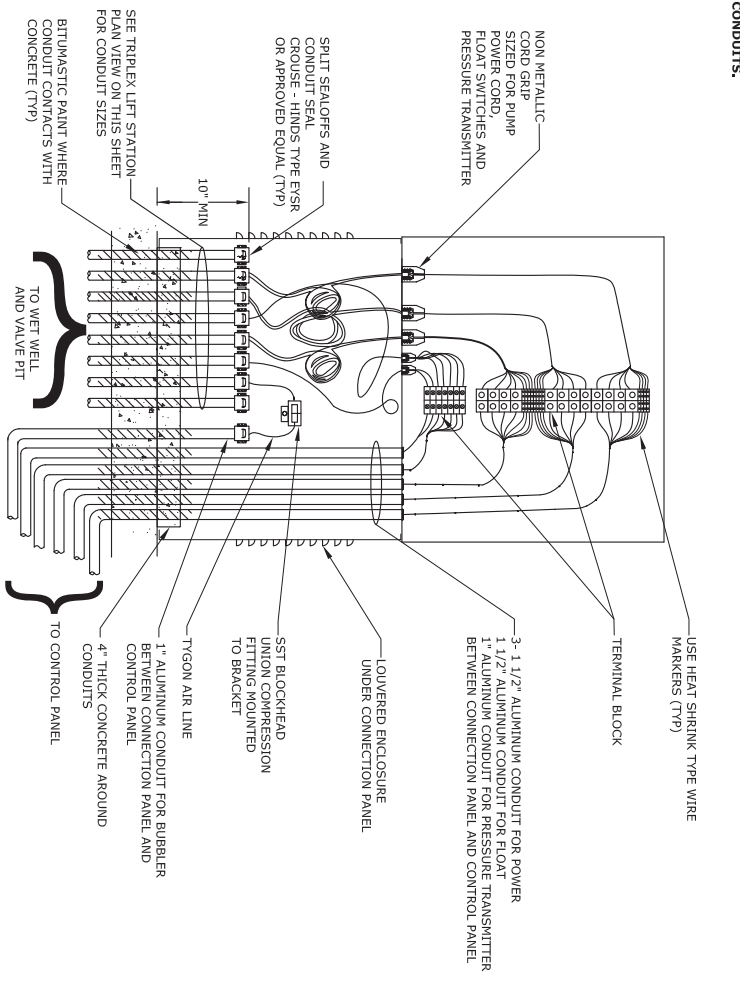


**TRIPLEX LIFT STATION
PLAN VIEW**
NTS

- NOTES:**
1. AREAS INSIDE WETWELL AND VALVE BOX ARE CONSIDERED A CLASS 1, DIVISION 2 AREA IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE
 2. ALL OTHER AREAS ARE NOT CLASSIFIED
 3. NO PENETRATIONS SHALL BE PERMITTED IN THE TOP OF ANY PANEL BOX
 4. APPLY TWO COATS OF BITUMASTIC PAINT TO ALL ALUMINUM CONDUIT AND SUPPORT IN CONTACT WITH CONCRETE FLOOR SLABS TO A POINT 4 INCHES ABOVE CONCRETE SURFACE.
 5. PROVIDE DUCT SEAL IN ALL CONDUITS.



DUPLEX CONNECTION PANEL DETAIL
NTS



TRIPLEX CONNECTION PANEL DETAIL
NTS

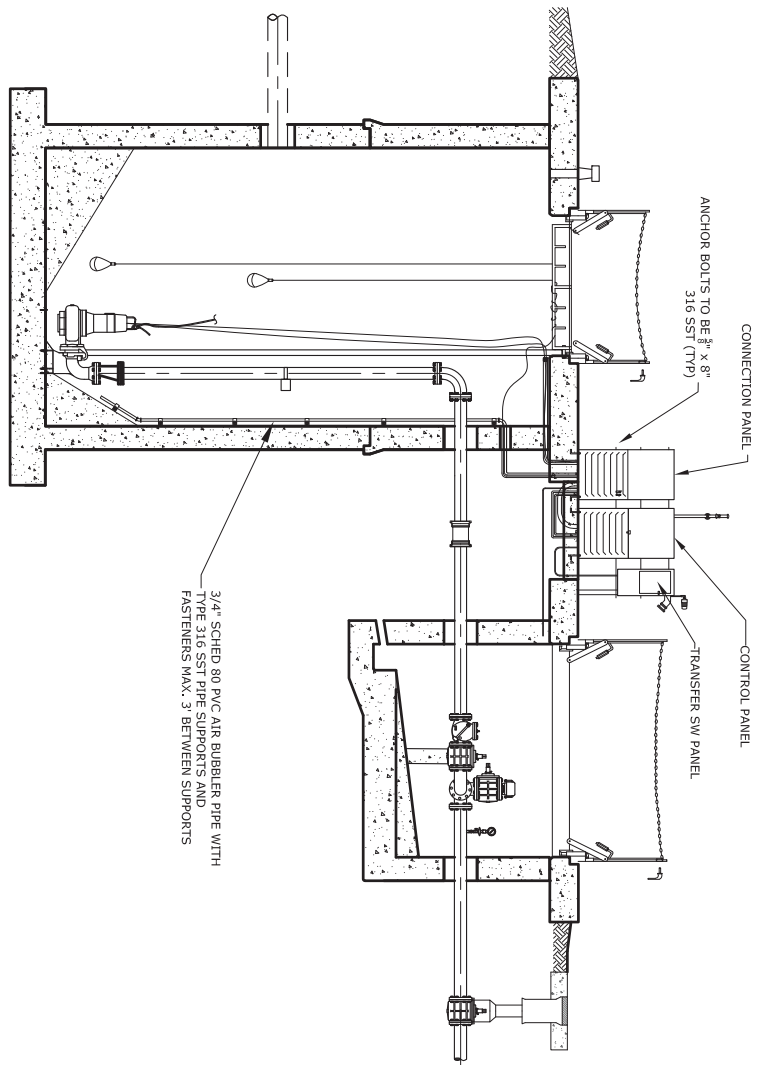
FLORIDA LICENSED PROFESSIONAL ENGINEER TO REVIEW AND MODIFY ELECTRICAL DESIGN AS REQUIRED TO ACCOMPLISH CONSTRUCTION IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.

PROJECT NAME: LIFT STATION REHABILITATION AND REPAIR		
PROJECT NO 8548-100768		
NOT FOR CONSTRUCTION		

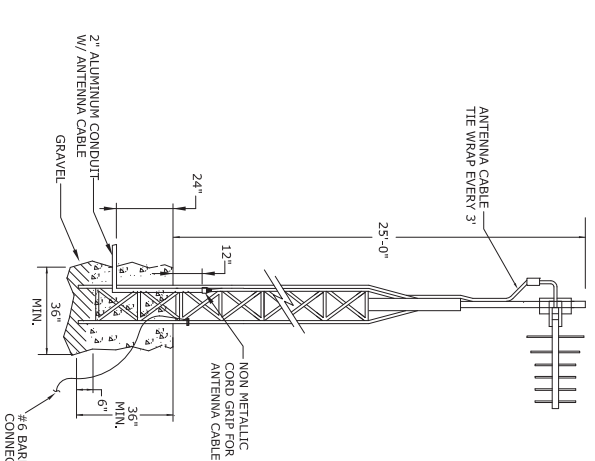
DESIGNER:	DRAWN:	CHECK:
DATE:	REVISION DESCRIPTION:	
DRAWING NAME: LIFT STATION ELECTRICAL DETAILS		
SCALE: AS SHOWN	DWG NO.:	
DESIGNATION: E-13		

LAST SAVED: 05/11/17 - 4:24PM



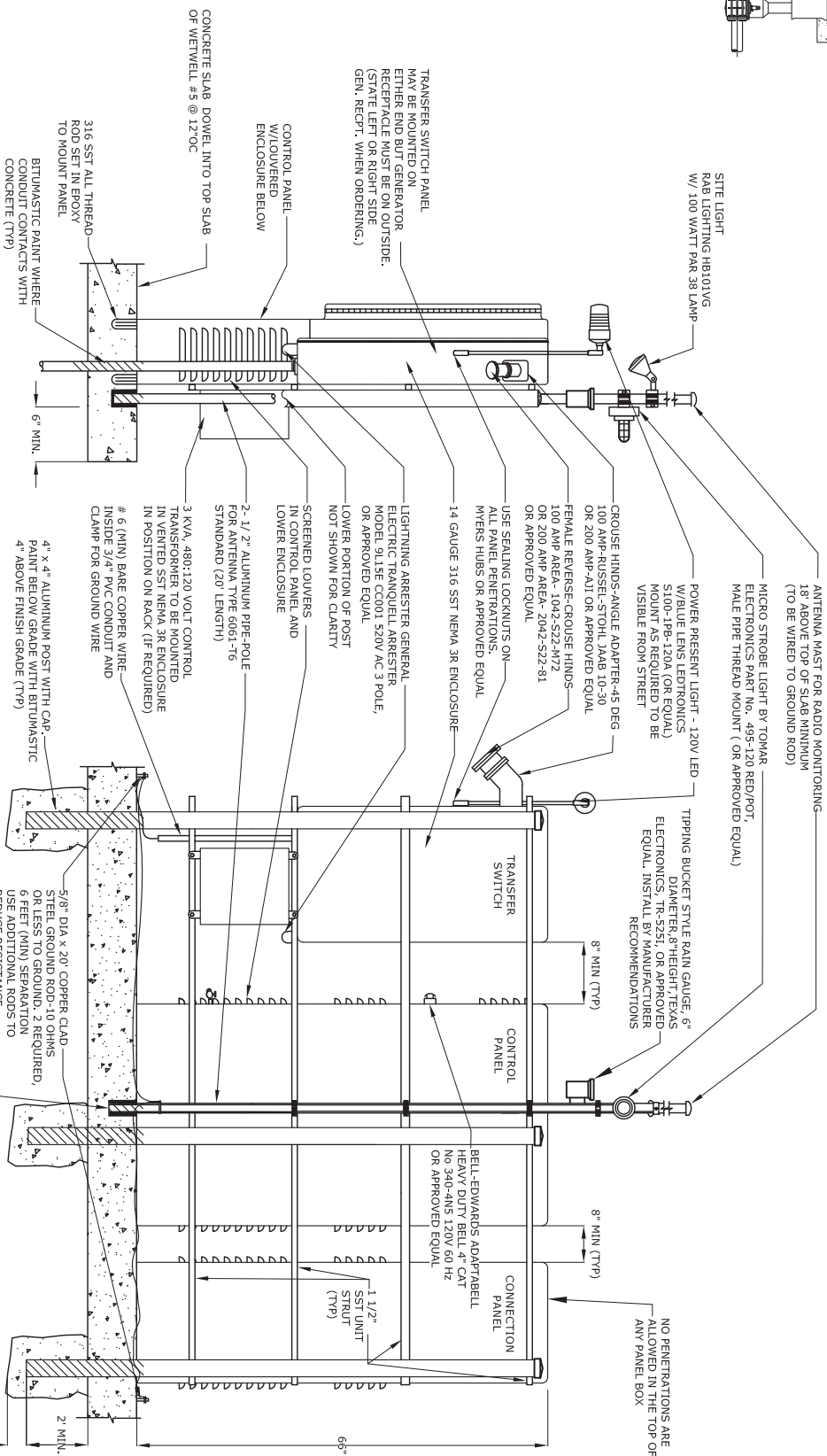


ELEVATION
NTS



25 FEET RADIO ANTENNA MOUNTING DETAIL
NTS

- NOTES:**
1. THIS DETAIL SHALL BE USED FOR LIFT STATION WITH COMMUNICATION PATH OBSTRUCTION WHICH REQUIRES ANTENNA HEIGHT GREATER THAN 18'.
 2. GRAVEL SHOULD EXTEND 6" BELOW BOTTOM OF TOWER BASE.
 3. COAX CONNECTORS SHOULD BE WRAPPED IN ALPHA HEAT SHRINK FT-321-1INCH.
 4. MAST & METAL STRUCTURE SHALL BE GROUNDED IN ACCORDANCE WITH N.E.C. SECTION 810-21.
 5. RTU ANTENNA TOWER INSTALLATION SHALL MEET FLORIDA BUILDING CODE WIND LOADING REQUIREMENT WITH APPROPRIATE WIND GUST FACTOR FOR THE LOCATION OF INSTALLATION. THE CONTRACTOR SHALL INCLUDE THE SHOP DRAWING SUBMITTAL, A WIND LOADING CALCULATION SIGNED AND SEALED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF FLORIDA SHOWING THAT THE PROPOSED TOWER AND INSTALLATIONS WILL MEET THE GIVEN WIND LOADING REQUIREMENT.
 6. FINAL CONCRETE BASE SIZE TO BE ADJUSTED TO MEET WIND LOADING REQUIREMENT.



PANEL SIDE VIEW
NTS

PANEL REAR VIEW
NTS

- NOTES:**
1. AREAS INSIDE WETWELL AND VALVE BOX ARE CONSIDERED A CLASS 1, DIVISION 2 AREA IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
 2. OTHER AREAS ARE NOT CLASSIFIED.
 3. NO OPERATIONS SHALL BE PERMITTED IN THE TOP OF ANY PANEL BOX.
 4. APPLY TWO COATS OF BITUMASTIC PAINT TO ALL ALUMINUM CONDUIT AND SUPPORT IN CONTACT WITH CONCRETE FLOOR SLABS TO A POINT 4 INCHES ABOVE CONCRETE SURFACE.
 5. PROVIDE DUCT SEAL IN ALL CONDUITS.

FLORIDA LICENSED PROFESSIONAL ENGINEER TO REVIEW AND MODIFY ELECTRICAL DESIGN AS REQUIRED TO ACCOMPLISH CONSTRUCTION IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.

LAST SAVED: 05/11/17 - 4:24PM



PROJECT NAME:
LIFT STATION REHABILITATION AND REPAIR
PROJECT NO 8548-100768
NOT FOR CONSTRUCTION

SEAL

DESIGNER	DRAWN	CHECK
DATE	REVISION DESCRIPTION	

DRAWING NAME:
LIFT STATION ELECTRICAL DETAILS

SCALE:
AS SHOWN

DWG NO:

DESIGNATION:
E-14

Question and Answers for Bid #PNC2122386B1 - Sewer Lift Station Rehabilitation and Repair

Overall Bid Questions

Question 1

what is the engineers estimate? (Submitted: Mar 23, 2021 12:45:01 PM EDT)

Answer

- The engineer's estimate for the initial three-year term is \$12,906,495.00. (Answered: Mar 23, 2021 4:04:14 PM EDT)

Question 2

when do you anticipate NTP? (Submitted: Mar 23, 2021 4:06:03 PM EDT)

Answer

- Refer to Special Instructions to Vendors, Paragraph A. Scope. (Answered: Mar 23, 2021 4:27:14 PM EDT)

Question 3

what is the minimum work order amount? (Submitted: Mar 24, 2021 10:13:47 AM EDT)

Answer

- The amount of the work order will be dependent on the work needed for the project plus mobilization costs.
(Answered: Mar 25, 2021 8:35:42 AM EDT)

Question 4

Do you have a Bid Bond Form for this bid? (Submitted: Mar 24, 2021 2:57:21 PM EDT)

Answer

- Refer to Bid Guaranty, Performance and Payment Guaranties, and Qualifications of Surety Requirements, Section A. A hyperlink to the bid bond is in that section. (Answered: Mar 24, 2021 3:23:57 PM EDT)

Question 5

Do you confirm to e-verify and supply their inspectors with an employee roster to verify field staff has accurately been verified as required by florida statute. (Submitted: Mar 25, 2021 11:21:07 AM EDT)

Answer

- Bidder is required to review and comply with the requirements of General Conditions, Section 34, Compliance with Laws. (Answered: Mar 29, 2021 7:46:39 AM EDT)

Question 6

Will there be a pre bid for this? (Submitted: Mar 26, 2021 3:20:29 PM EDT)

Answer

- There is no scheduled pre-bid for this project. (Answered: Mar 26, 2021 3:26:39 PM EDT)

Question 7

Will be a consideration for any material, fuel, increments due to pandemic (Submitted: Mar 29, 2021 5:05:43 PM EDT)

Answer

- Refer to Special Instructions to Vendors, Section A - Scope. (Answered: Mar 31, 2021 8:28:19 AM EDT)

Question 8

FOR BID BOND IS THERE A SET AMOUNT THIS IS A THREE YEAR CONTRACT AND

IT SEEMS LIKE THE BOND SHOULD BE ONLY FOR AN ESTIMATED FIRST YEAR AMOUNT SO IT DOESN'T LIMIT POSSIBLE CONTRACTORS. (Submitted: Mar 31, 2021 11:11:09 AM EDT)

Answer

- The Bid Bond requirements are specified in the solicitation. Refer to the solicitation's Bid Guaranty, Performance and Payment Guaranties, and Qualifications of Surety Requirements. The bid guaranty shall be in an amount equal to five percent (5%) of the total price offered, payable to the Board of County Commissioners and conditioned upon the successful Vendor providing the Performance and Payment Guaranty in the amount of 25% of the contract amount, evidence of insurance, or any other requirements set forth within the solicitation, within 15 calendar days after notification of award of the contract. (Answered: Apr 2, 2021 9:20:11 AM EDT)