CITY OF HALLANDALE BEACH

PRODUCTION WELL PW-9

LOCATION MAP

BID SET
FEBRUARY 2020
**Erosion and Sediment Control Notes**

1. The contractor shall provide and maintain a system of erosion and sediment control measures in accordance with the provisions of the permits issued by the appropriate regulatory agency.

2. All materials placed on the site shall be free of sediment and shall be contained within the designated areas.

3. All equipment, vehicles, and materials shall be located and used in such a manner as to minimize erosion and sedimentation.

4. All erosion control measures shall be maintained and monitored regularly.

5. All erosion control measures shall be removed from the site at the end of the project.

**Property and Flood Notes**

- **Property Use**: Field No. 5143260111
- **Address**: 1001 Atlantic Ave, Hallandale Beach, FL 33009
- **Location**:
  - **Towns/city**:
  - **State**:
  - **ZIP Code**:
  - **Latitude**: 26.049432
  - **Longitude**: -80.28397

- **Flood Risk**: 100-year flood elevation is 6.07 feet above MSL (as of August 17, 2016)

**General Notes**

- **Traffic Control Plan**
  - All traffic control measures shall conform to the latest edition of the MUTCD (Manual on Uniform Traffic Control Devices).
  - All traffic control signs and devices shall be installed and maintained in accordance with the MUTCD.
  - All traffic control measures shall be removed from the site at the end of the project.

**List of Drawings**

- **Sheet Number**: 1
  - **Title**: Site and Location Map
  - **Description**: The site and location map shows the project site, surrounding area, and access routes.

- **Sheet Number**: 2
  - **Title**: Site and General Notes
  - **Description**: The site and general notes provide information about the site, including the location, access, and environmental considerations.

- **Sheet Number**: 3
  - **Title**: Water System Plan
  - **Description**: The water system plan shows the water supply, drainage, and wastewater systems.

- **Sheet Number**: 4
  - **Title**: Electric System Plan
  - **Description**: The electric system plan shows the electrical supply and distribution systems.

- **Sheet Number**: 5
  - **Title**: Structural System Plan
  - **Description**: The structural system plan shows the structural elements of the project, including foundations and superstructure.

- **Sheet Number**: 6
  - **Title**: Mechanical System Plan
  - **Description**: The mechanical system plan shows the mechanical elements of the project, including heating, ventilating, and air conditioning systems.

- **Sheet Number**: 7
  - **Title**: Electrical System Plan
  - **Description**: The electrical system plan shows the electrical elements of the project, including lighting, power, and control systems.

- **Sheet Number**: 8
  - **Title**: Plumbing System Plan
  - **Description**: The plumbing system plan shows the plumbing elements of the project, including water supply, drainage, and waste systems.

- **Sheet Number**: 9
  - **Title**: Fire Protection System Plan
  - **Description**: The fire protection system plan shows the fire protection elements of the project, including fire hydrants, sprinklers, and smoke detection systems.

- **Sheet Number**: 10
  - **Title**: Communication System Plan
  - **Description**: The communication system plan shows the communication elements of the project, including telephone, data, and emergency communication systems.

- **Sheet Number**: 11
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- **Sheet Number**: 12
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  - **Description**: The environmental system plan shows the environmental elements of the project, including waste management and pollution control systems.

- **Sheet Number**: 13
  - **Title**: Safety System Plan
  - **Description**: The safety system plan shows the safety elements of the project, including safety management and training programs.

- **Sheet Number**: 14
  - **Title**: Sustainability System Plan
  - **Description**: The sustainability system plan shows the sustainability elements of the project, including green building standards and performance goals.

**City of Hallandale Beach Utility Department**

**Production Well Plan**

[City logo]

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**Project Status**

- **Funding**: City of Hallandale Beach
- **Status**: In Design
- **Schedule**: Fiscal Year 2020
### Symbols, Fittings, etc.

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<tr>
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<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>AV</td>
<td>AIR VALVE</td>
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</tr>
<tr>
<td>BV</td>
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<tr>
<td>BP</td>
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### Piping

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<tr>
<td>CP</td>
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<tr>
<td>DP</td>
<td>DUCTILE IRON PIPE</td>
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<tr>
<td>FW</td>
<td>FORCE MAIN</td>
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<tr>
<td>GPM</td>
<td>GALVANIZED STEEL PIPE</td>
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<tr>
<td>HPS</td>
<td>HIGH PRESSURE</td>
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<td>PVC</td>
<td>POLYVINYL-CHLORIDE</td>
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<tr>
<td>PCP</td>
<td>PRESSURE CAST CONCRETE PIPE</td>
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<tr>
<td>RC</td>
<td>REINFORCED CONCRETE PIPE</td>
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### General

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<td>ALUMINUM</td>
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SANITARY SEWER REPLACEMENT PLAN

LEGEND

HAZEN AND SAWYER
4000 HOLLYWOOD BOULEVARD, SUITE 750N
HOLLYWOOD, FLORIDA 33021
CERTIFICATE OF AUTHORIZATION NO. : 2771

MANHOLE SCHEDULE

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<tr>
<th>NO</th>
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<th>MANHOLE NUMBER FROM SHADE TRANSFER SURVEY</th>
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<tr>
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<td># 313</td>
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<td>2</td>
<td>14-214</td>
<td># 315</td>
<td></td>
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<tr>
<td>3</td>
<td>14-215</td>
<td>NOT APPLICABLE</td>
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</tbody>
</table>

GENERAL NOTES:
1. REMOVE ALL GRADE STRIPS.
2. REMOVE ALL MARKERS.
3. REMOVE ALL PROPOSED SANITARY SEWER TO IN PLACE.

MANHOLE NOTES:
1. REMOVE ALL GRADE STRIPS.
2. REMOVE ALL MARKERS.
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INSTRUCTIONS:
1. REMOVE ALL GRADE STRIPS.
2. REMOVE ALL MARKERS.
3. REMOVE ALL PROPOSED SANITARY SEWER TO IN PLACE.
Connect temporary piping to manhole within Ansin Blvd on existing 84-inch stormwater pipe.

Provide temporary piping and fittings along Ansin Blvd to convey well development water to discharge in existing stormwater manhole.

Existing FDOT Pump Station

Existing 84-inch stormwater pipe

PWN

Chaves Lake

Proposed Well PW9
HAZEN AND SAWYER
4000 HOLLYWOOD BOULEVARD, SUITE 750N
HOLLYWOOD, FLORIDA 33021
CERTIFICATE OF AUTHORIZATION NO. 2771

<table>
<thead>
<tr>
<th>MARK</th>
<th>DESCRIPTION</th>
<th>ELEVATION</th>
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<tbody>
<tr>
<td>0</td>
<td>TOP OF WELL</td>
<td>8.50</td>
</tr>
<tr>
<td>1</td>
<td>TOP OF WEL Lining</td>
<td>8.80</td>
</tr>
<tr>
<td>2</td>
<td>TOP OF PUMP DISCHARGE COLUMN PIPE</td>
<td>8.50</td>
</tr>
</tbody>
</table>

GENERAL NOTES:
1. Elec. wiring locations NOT shown for clarity (all elect. shown)
2. Elec. junction boxes NOT shown for clarity

This drawing was prepared for the use of the City of Hallandale Beach, Water & Sewer Department, and no portion of this drawing may be reproduced in any form or by any means without the written consent of the architect. It is intended for use by the City of Hallandale Beach, Water & Sewer Department, and its successors and assigns.
HAZEN AND SAWYER
4000 HOLLYWOOD BOULEVARD, SUITE 750N
HOLLYWOOD, FLORIDA 33021
CERTIFICATE OF AUTHORIZATION NO. : 2771

GENERAL NOTES:
2. THE WORKS SHALL BE PERFORMED IN CONFORMITY WITH THE REQUIREMENTS OF THE CONTRACT.

SECTION 1

DETAIL 1

NOTES:
1. TRIM LINE NOT SHOWN FOR CLARITY.

SECTION 2

WELLHEAD SECTION

FEBRUARY 2020

Hazen and Sawyer
DEVELOPMENT ENGINEERING SERVICES
CERTIFICATE OF AUTHORIZATION NO. 2771

CITY OF HALLANDALE BEACH UTILITY DEPARTMENT
PROJECT NO. 242

5-03
GENERAL NOTES AND SPECIFICATIONS:

1. THE Scope of Work shall be as described in Specifica7on Section 9.0.0.1.

2. THE Contractor shall complete all work in accordance with the electrical plans and specifications and submit for inspection all work to be completed. The electrical work shall be completed in accordance with the plans and specifications.

3. THE Electrical work shall be performed in accordance with the plans and specifications. The electrical work shall be performed by a Licensed Electrician.

4. THE Contractor shall obtain all necessary permits, licenses, and approvals and shall comply with all local and state regulations.

5. THE Contractor shall be responsible for the quality and workmanship of all electrical work. The Contractor shall be responsible for the coordination and integration of all electrical systems.

6. THE Contractor shall be responsible for the proper installation of all electrical systems. The Contractor shall be responsible for the coordination and integration of all electrical systems.

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11. ALUMINUM CONDUIT SHALL NOT BE USED FOR THIS PROJECT.

12. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL ELECTRICAL COMPONENTS AND MATERIAL.

13. ALL WORK SHALL BE CONSTRUCTED BY A LICENSED ELECTRICIAN.

14. DRAWINGS SHALL NOT BE INTENDED TO SHOW THE EXACT LOCATION OF ELECTRICAL WORK, WHICH IS TO BE COORDINATED WITH THE CONTRACTOR.

15. ALL LOCATIONS OF EQUIPMENT, PANELS, ETC. ARE SHOWN FOR ILLUSTRATION PURPOSES. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF EART CHING AND MOVEMENT OF EQUIPMENT.

16. ALL ELECTRICAL EQUIPMENT SHALL BE ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.

17. LOCATIONS OF MAIN PANELS, DISTRIBUTION AND PANELS AND ALL ELECTRICAL EQUIPMENT SHALL BE COORDINATED EXACT LOCATION OF EART CHING AND MOVEMENT OF EQUIPMENT.

18. ALL DRAWINGS SHOWN ON PLAN AND SITE PLAN DRAWINGS, ARE SHOWN ON BUILDING PLANS. ELECTRICAL CONTRACTOR SHALL SUPPLY ALL ELECTRICAL PANELS AND CHAMBERS AS SHOWN ON PLAN AND SITE PLAN DRAWINGS.

19. ALL ELECTRICAL PANELS SHALL BE INSTALLED IN JUNCTION BOXES, PANEL BOXES, AND OTHER ELECTRICAL ENCLOSURES.

20. EXPOSED PARTS OF CONDUIT SHALL BE INSTALLED WITH MINIMUM PARALLELITY OF 3/16" TO 1/4" TO PREVENT DAMAGE TO CONDUIT OR ENCLOSURES.

21. THE CONSTRUCTION PERMITS SHOWN IN THE DRAWINGS SHALL NOT EXCEED THE REQUIREMENTS SHOWN IN THE DRAWINGS.

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23. THE MINIMUM DISTANCE ALLOWED BETWEEN PARALLEL RUNS OF ELECTRICAL AND INSTRUMENTATION CABLES SHALL BE COMPLIANCE WITH THE REQUIREMENTS SHOWN IN THE DRAWINGS.

24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL ELECTRICAL SYSTEMS.

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