The New York State Department of Environmental Conservation
in partnership with Nassau County Department of Public Works

WESTERN BAYS RESILIENCY INITIATIVE

THE BAY PARK CONVEYANCE PROJECT
A DESIGN-BUILD PROJECT

DEC Contract No. D011883

REQUEST FOR PROPOSALS

VOLUME 2
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SECTION 3

Preliminary Drawings
The New York State Department of Environmental Conservation in partnership with Nassau County Department of Public Works

WESTERN BAYS RESILIENCY INITIATIVE:
THE BAY PARK CONVEYANCE PROJECT
A DESIGN-BUILD PROJECT

DEC Contract No. D 011883

REQUEST FOR PROPOSALS
VOLUME 2 - SECTION 3
PRELIMINARY DRAWINGS
THE BAY PARK CONVEYANCE PROJECT
PRELIMINARY DRAWINGS

APRIL 2020
## BAY PARK EFFLUENT DIVERSION PUMP STATION

### GENERAL

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<td>2</td>
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<td>C1-0003</td>
<td>DETAIL STONEWORK AND FOUNDATIONS</td>
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<tr>
<td>4</td>
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<td>CONTRACT DRAWINGS USER GUIDE AND LEGEND</td>
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### FOR USE WITH:

- **C1-0001**
- **C1-0002**
- **C1-0003**
- **C1-0004**

### BAY PARK EFFLUENT DIVERSION PUMP STATION

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### FORCE MAIN - MICRO TUNNELS (CONT.)

#### PRELIMINARY DESIGN CONSTRUCTION PACKAGES

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### SUNRISE HIGHWAY

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**NOTES:**

- All dimensions are in inches.
- All materials and specifications are subject to change without notice.
- The drawings and specifications contained herein are preliminary and subject to review and approval.

**DATE:**

- **PRELIMINARY DESIGN CONSTRUCTION PACKAGES:**
  - **DATE:** 04/2020

**FINAL DESIGN CONSTRUCTION PACKAGES:**

- **DATE:**
  - **PROJECT NO.:**
  - **DRAWING BY:** J. SHERROD
  - **DRAWN BY:** J. SHERROD

**OCEAN OUTFALL EFFLUENT DIVERSION PROJECT**

- **DATE:**
  - **DRAWN BY:** J. SHERROD
  - **DRAWN BY:** J. SHERROD

---

**PAGE 2**
STRUCTURAL BUILDING SECTION
# Building Code Summary

**Lead Design Professional**
- Name: [Name]
- Title: [Title]
- Firm Name: [Firm]

**Building Code**
- Code: [Code]
- Version: [Version]

**Building Data**
- Project Name: [Project Name]
- Project Type: [Project Type]
- Project Location: [Location]
- Project Purpose: [Purpose]
- Completion Date: [Date]
- Client Name: [Client]

**Building Uses**
- Use 1: [Use 1]
- Use 2: [Use 2]
- Use 3: [Use 3]

**Fire Protection Requirements**

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<td>Smoke Detection</td>
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**Exit Requirements**
- Exit Width: [Width]
- Exit Markings: [Markings]

**Plumbing Fixture Requirements**
- Fixtures: [List of Fixtures]

**Energy Code Compliance**
- Component: [Component]
- Code: [Code]
- Requirement: [Requirement]

**Life Safety System Requirements**
- Systems: [List of Systems]
- Standards: [Standards]
- Compliance: [Compliance]

**Interior Finishes - Wall and Ceiling**
- Materials: [Materials]
- Systems: [Systems]
- Constraints: [Constraints]

---

**NOT FOR CONSTRUCTION**

Preliminary

Date: [Date]

Final Design

Date: [Date]

Project No.: [Project No.]

File Name: [File Name]

Designed By: [Designer]

Checked By: [Checker]

AMEND COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
BAY PARK PROGRAM MANAGEMENT (OUTLOOK MV) SEWAGE PUMP STATION

BP-A050

PAGE 19
### AIRCOOL ENERGY RECOVERY HEAT PUMP SYSTEMS

<table>
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<tr>
<th>Model</th>
<th>Location</th>
<th>Voltage</th>
<th>Capacity (RT)</th>
<th>Efficiency</th>
<th>TEMPERATURE</th>
<th>AIRFLOW</th>
<th>kmh</th>
<th>HP</th>
<th>kW</th>
<th>Cooling PERFORM</th>
<th>Heating PERFORM</th>
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<td>EHP100</td>
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### COMPUTER ROOM AIR CONDITIONING UNITS

- **Model**: ECP-120, ECP-150
- **Location**: Main 1, Main 2
- **Voltage**: 208V, 3-Phase
- **Capacity**: 120, 150 RT
- **Efficiency**: Standard
- **Temperature**: Fixed
- **Airflow**: 10000 m³/h
- **HP**: 2
- **Kw**: 1.5
- **Cooling Performance**: 120, 150
- **Heating Performance**: 120, 150
FIRST FLOOR POWER & CONTROL PLAN

16 FLO
NOTES:
- FILL DRAWS SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF WORK.
- SIGNAGE SHALL BE PLACED MARGINALLY /
- ACCESS TO EXISTING UTILITIES AND BUILDINGS MUST BE MADE WITH PROPER DCA.
- WHEN DRAWS ARE COMPLETE, DISCONNECT ALL SUPPLY AND UTILITIES FROM PUB. UTILITIES.
- ACCESS TO EXISTING UTILITIES AND BUILDINGS MUST BE MADE WITH PROPER DCA.
- ALL ACCESS TO EXISTING UTILITIES AND BUILDINGS MUST BE MADE WITH PROPER DCA.
<table>
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<td>N 14° 28' 27&quot; E</td>
<td>0+00.00</td>
<td>14+38.79 168845.81</td>
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GEOPHONE AND ANCHOR

1. PLACE GEOPHONE IN DIRECT CONTACT WITH THE CONCRETE OR ASPHALT SURFACE. THE GEOPHONE SHALL BE CANEY MOUNTED AND ANY PLASTIC IN THE WALL SHUTOVER TO BE PLACED OVER THE GEOPHONE.

2. DRILL HOLES TO CONCRETE OR CASING. DRILLING DEPTHS TO BE IMPRESSED. HOLE SHAFTS SHOULDN'T BE FLOTED OVER THE GEOPHONE.
NOTES:
1. ALL GENERAL NOTES AND LEGENDS OF THE DRAWING APPLY.
2. GROUND SETTLEMENT ALONGS A CROSS SECTION PARALLEL TO THE DRAINAGE CHANNEL DEPICTED IN THE PLAN VIEW IS TO BE DETERMINED WITHIN THE LOCATION OF THE RECLAIMED MATERIAL AND CONSTRUCTION DETAILS AS DETERMINED BY THE CITY OF SAN DIEGO, AND SHALL BE CHECKED FOR SAFETY OF STRUCTURES, SYSTEMS, AND PUBLIC SAFETY.
3. ON THE SITE WHERE THE DRAINAGE CHANNELS ARE LOCATED, THE INFILTRATION OF THE OCEAN WATER INTO THE EMBAYMENT IS TO BE MONITORED AND REPORTED TO THE CITY OF SAN DIEGO.

OCEAN OUTFALL EFFLUENT INTEGRATION PROJECT

BAY PARK INSTRUMENTATION PLAN

BP-101
PAGE 122
BAY PARK INSTRUMENTATION PLAN

NOTES:
1. GENERAL NOTES INCLUDING VIEWS SHOWN.
2. GROUND SETTLEMENT ALONG A CROSS SECTION PERPENDICULAR TO THE FLOOD AND BACKGROUND OF MARINERS+'</code>

PRELIMINARY NOT FOR CONSTRUCTION
DATE: 06/25/20

(Additional information and details regarding the project and its features can be seen on the diagram, including various points and markers that indicate the locations and measurements relevant to the instrumentation plan.)
BAY PARK INSTRUMENTATION PLAN

NOTES:

1. CARRY SPECIFIED NOTES INCLUDING PERE YARD STAFF.
2. GROUND SETTLEMENT ALONG A CROSS SECTION PROPPING CURVE TO THE CURVE WILL BE PLACED AT DOWA AND ANY BENDS AT THE MINIMUM OF THE LOCATION AT NP DOWA CURVE FROM GROUND STAFF.
3. SHEET 6 OF 8
4. SCALE 1"=100'
5. BASED ON THE DIRECTION OF TURNING FROM GROUND STAFF.
6. SHEET 6 OF 8

PRELIMINARY
NOT FOR
CONSTRUCTION
DATE: 06/25/2020

OCEAN OUTFALL
EFFLUENT DIMENSION
PROJECT

BAY PARK FORCE MAIN
GEOTECHNICAL
INSTRUMENTATION PLAN

BP-1106
PAGE 127
GENERAL SHAFT SUPPORT OF EXCAVATION

LEGEND

- SUPPORT OF EXCAVATION
- ANCHOR GRIT
- GROUND IMPROVEMENT
- PERMANENT SHAFT (HARD)
- CHIEF
- EXPANSIVE CONCRETE
- PREGROUT CONCRETE

NOTES: INDICATIVE REQUIREMENTS:
1. CONSTRUCTION, DESIGN AND INSTALL WATERPROOFING DETAIL AT THE INTERFACE OF THE EXCAVATION AND SHAFT TO ENHANCE WATERPROOF CONNECTIVE IN LINE WITH THE SPECIFICATIONS FOR OTHER WORK.
2. DESIGNER IS RESPONSIBLE FOR CONFIRMATION OF LEFT LOCATION.
3. SUPPORT OF EXCAVATION TO BE CUT OFF AT ELEVATION B/E. 1.5.
4. INFILTRATION, CONCRETE WALLS TO BE CONSTRUCTED IN THE EXCAVATION TO DECREASE IF ANY REQUIRED CONCRETE TREATMENT BLOCKS ARE REQUIRED.
5. CIRCULAR IMPROVEMENT REQUIREMENTS 8-CIRC ARE MINIMUM REQUIREMENTS.
6. DESIGNER SHALL INSTALL CATHODIC PROTECTION OF FORCE MAIN AND SYSTEM REQUIRED.
1. ONE-PASS LAUNCH SHAFT MICROTUNNEL INTERFACE DESCRIBES THE ONE-PASS MICROTUNNEL INTERFACE.
2. CLEANER PIPES SHALL BE INSTALLED IN ACCORDANCE WITH DIRECTIONS SHOWN ON FIG. FOR MICROTUNNEL INSTALL.
3. INSTALLATION REQUIREMENTS AS PER NATIONAL AND STATE REQUIREMENTS OF APPROPRIATE SHAFT IN ACCORDANCE WITH SECTIONS.
4. MICROTUNNEL CORRIDOR PRECAST WALL CONSTRUCTION OR SHIFT SUPPORT OF EXCAVATION SHOWN.
5. MICROTUNNELING SHALL BE PERFORMED IN ACCORDANCE WITH SECTIONS.

**ONE-PASS MICROTUNNEL SECTION**

**TWO-PASS MICROTUNNEL SECTION**

**TYPICAL ONE-PASS LAUNCH SHAFT MICROTUNNEL INTERFACE**

---

**PRELIMINARY NOT FOR CONSTRUCTION**

DATE: 04/05/2022

---

**FINAL DESIGN**

DATE: 04/05/2022

**PROJECT #:**

**DRAWN BY:**

**DRAWER:**

**AUTOMODEL**

**DEPARTMENT OF PUBLIC WORKS**

**OCEAN OUTWELL EFFLUENT DISSIMILATION PROJECT**

**SUBJECT:**

**SAY PARK AND CEDAR CREEK TREATMENT PLANTS**

**MICROTUNNEL LINING AND SHAFT/TUNNEL INTERFACE**
NOTES:
1. All signs shall be installed prior to commencement of work.
2. All signs shall be removed immediately after completion of work.
3. Signs shall not be located on street lines or any designated high pedestrian use area on adjacent properties.
4. All work depicted in this concept of traffic management shall be temporary controls.
5. A lane closure in support of traffic control shall be as permitted by NYS DOT.
6. Site specific standards governing all road construction, utility relocations, and pedestrian operations shall be as applicable.
NOTES:
1. All signs shall be installed prior to commencement of work.
2. All signs shall be removed immediately after completion of work.
3. Signs shall not be located on sidewalks or areas designated for pedestrians or vehicular traffic.
4. Existing signs in contact with traffic movements shall be temporarily covered.
5. All lane closures and left traffic stop shall be as permitted by NYS DOT.
6. See NYS DOT standard drawings for left lane locations and clear space between lane closures and work zones. Provide 2,000 feet buffer with reflective materials.
NOTES:
1. ALL SIGNS SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF WORK.
2. ALL SIGNS SHALL BE REMOVED IMMEDIATELY AFTER COMPLETION OF WORK.
3. SIGNS SHALL NOT BE LOCATED ON BORDERS OR AREAS DESIGNATED FOR PEDESTRIANS OR VEHICLES TO TRAVEL.
4. SIGNS DESIGNATED FOR TRAFFIC MOVEMENTS SHALL BE TEMPORARY OR PORTABLE.
5. ALL LAWN OR EMBANKMENTS DESIGNATED FOR TRAFFIC CLOSURES AND WORK ZONE, PROVIDE 6-SPACING BETWEEN LINE REDUCTIONS.
6. ALL LAWN OR EMBANKMENTS DESIGNATED FOR TRAFFIC CLOSURES AND WORK ZONE, PROVIDE 6-SPACING BETWEEN LINE REDUCTIONS.