



**Soil Remediation Project  
Blue Heron Park  
ITB No. 25-06  
21900 SW 97 Avenue  
Folio No. 36-6010-027-0010**



**Scope of Work**

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**TOWN OF CUTLER BAY**  
**ITB No. 25-06**  
**Soil Remediation Project for Blue Heron Park**  
**ADVERTISEMENT FOR PROPOSALS**

The Town of Cutler Bay is requesting submittals from qualified proposers to provide for the “Soil Remediation Project for Blue Heron Park” ITB No. 25-06 for the Town of Cutler Bay. **Interested proposers should visit the Town’s website at [www.cutlerbay-fl.gov](http://www.cutlerbay-fl.gov) or [DemandStar](https://www.demandstar.com) to obtain the Request for Proposal package including the Bid Form. Packages may also be picked up during normal business hours at the office of the Town Clerk, Mauricio Melinu, CMC, located at:**

**Town of Cutler Bay**  
**10720 Caribbean Blvd., Suite 105**  
**Cutler Bay, FL 33189**

Bids may be submitted by one of the following methods but NOT both:

**(1) Electronic Submission**

Electronic responses can be submitted via DemandStar at <https://network.demandstar.com/> no later than **THURSDAY, JUNE 12, 2025 at 1:00 PM**

**OR**

**(2) In-Person**

Proposers must include one (1) original and three (3) bound paper copies of the submittal, and one (1) USB flash drive completely duplicating the original submittal. Responses must be received no later than **THURSDAY, JUNE 12, 2025 at 1:00 PM** by **Mauricio Melinu, CMC, Town Clerk at Town Hall, 10720 Caribbean Blvd, Ste 105, Cutler Bay, FL. 33189**. All submittals must be sealed and clearly marked on the outside in the following manner: “ITB No. 25-06 Soil Remediation Project for Blue Heron Park”.

**A (virtual and/or in-person) Bid Opening Meeting will be held on Thursday, June 12, 2025, at 1:00 PM in the Town Hall Council Chambers, 10720 Caribbean Blvd., Cutler Bay, Florida 33189.**

If attending virtually, the meeting will be available using Zoom communications media technology platform.

**Registration is required.** To register in advance, please visit:

[https://us06web.zoom.us/webinar/register/WN\\_IBm94G-UQbaXLUButMnIHA](https://us06web.zoom.us/webinar/register/WN_IBm94G-UQbaXLUButMnIHA)

Late Submittals and facsimile submissions will not be considered. The proposer shall bear all costs associated with the preparation and submission of the proposal.

***Women/Minority Owned and Emerging Small Businesses are invited to submit bids on this project.***

Pursuant to Town Code Chapter 24, Article II, Section 24-228 of the Town Charter, public notice is hereby given that a “Cone of Silence” is imposed concerning the Town’s competitive purchasing process, which generally prohibits communications concerning the RFP from the time of advertisement of the RFP until such time as the Town Manager makes a written recommendation to the Town Council concerning the competitive purchase transaction. Please see the detailed specifications for the public solicitation for services for a statement fully disclosing the requirements of the “Cone of Silence”.

Pursuant to Section 4-19 of the Town Code; Section 7.6 of the Town Charter, vendors of the Town are required to disclose any campaign contributions to the Town Clerk, and each vendor must do so prior to and as a condition of the award of any Town contract to the vendor. Please see the detailed specifications of this solicitation for further details.

The Town of Cutler Bay reserves the right to accept or reject and/or all proposals or parts of proposals, to workshop or negotiate any and all proposals, to waive irregularities, and to request re-proposals on the required materials or services or take any other such actions that may be deemed in the best interest of the Town.

Rafael G. Casals, ICMA-CM, CFM  
Town Manager

## **Project History**

Kimley-Horn conducted a background investigation for another project within the Town of Cutler Bay in July 2023 that identified arsenic in soil at the Site at concentrations exceeding the Residential Direct Exposure Soil Cleanup Target Level. Additionally, as part of that investigation, a groundwater sample was collected from one of the soil sampling locations. No contaminants of concern were observed in the groundwater sample collected at that location.

Since the initial background study was conducted in July 2023, several iterations of field activities have been conducted, which consisted of the completion of soil borings and soil sampling in the areas of the previously identified soil impacts and in other areas across the site. The latest sampling investigation, completed in March 2025, identified widespread arsenic impacts in shallow soils, on top of a limestone layer across the site and identified the soils to exceed the groundwater criteria when analyzed by the Synthetic Precipitation Leaching Procedure.

At this time, the Town of Cutler Bay has closed the park and anticipates completing excavation of impacted soils across the park, implementing engineering controls in the areas of trees to be protective of human health and the environment.

## **Scope of Work**

The Town of Cutler Bay will be conducting removal of arsenic impacted soils from the Blue Heron Park located at 21900 SW 97 Avenue. The Town is soliciting bids to complete the excavation to the property boundaries and around Tree Protection Zones, as depicted on the attached figure. The depth of the excavation is to the depth of groundwater, identified at approximately 3-4 ft. By the Town's calculations, the total amount of soil to be excavated will be up to 24,000 cubic yards. Excavation will be limited by tree protection zones and the property boundaries.



In accordance to the bid the form, please submit a line-item bid for (i) excavation, loading, transportation, and disposal of arsenic impacted soils above 2.1 parts per million to a properly licensed landfill facility approved by the Miami-Dade County Department of Regulatory and Economic Resources - Division of Environmental Resources Management (DERM) and (ii) importation of clean fill from a limerock quarry located within Miami-Dade County.

The construction will comply with the approved Source Removal / Soil Management Plan completed by Kimley Horn and Associates and approved with modifications by Miami- Dade County DERM as stated in the letter dated May 15, 2025. Copies of manifests for loads leaving the site and signed copies from the accepting landfill will be required to be provided to the Town's oversight consultant, along with the Source Removal / Soil Management Plan acknowledgement form.

### **Payment & Performance Bond**

Pursuant to and in accordance with Section 255.05, Florida Statutes, the Contractor shall obtain and thereafter at all times during the performance of the Work maintain a separate Performance Bond and labor and material Payment Bond for the Work, each in an amount equal **one hundred percent (100%)** of the Contract Price and each in the form provided in the Contract Documents or in other form satisfactory to and approved in writing by Town and executed by a surety of recognized standing with a rating of B plus or better for bonds up to Two Million Dollars. The surety providing such Bonds must be licensed, authorized and admitted to do business in the State of Florida and must be listed in the Federal Register (Dept. of Treasury, Circular 570). If notice of any change affecting the Scope of the Work, the Contract Price, Contract Time or any of the provisions of the Contract Documents is required by the provisions of any bond to be given to a surety, the giving of any such notice shall be Contractor's sole responsibility, and the amount of each applicable bond shall be adjusted accordingly. If the surety is declared bankrupt or becomes insolvent or its right to do business in Florida is terminated or it ceases to meet applicable law or

regulations, the Contractor shall, within five (5) days of any such event, substitute another bond (or Bonds as applicable) and surety, all of which must be satisfactory to Town

## **SUBMITTAL OF PROPOSAL**

Bids may be submitted by one of the following methods but NOT both:

### **(1) Electronic Submission**

Electronic responses can be submitted via DemandStar at <https://network.demandstar.com/> no later than **THURSDAY, JUNE 12, 2025 at**

***OR***

### **(2) In-Person**

Proposers must include one (1) original and three (3) bound paper copies of the submittal, and one (1) USB flash drive completely duplicating the original submittal. Responses must be received no later than **THURSDAY, JUNE 12, 2025 at 1:00 PM** by **Mauricio Melinu, CMC, Town Clerk at Town Hall, 10720 Caribbean Blvd, Ste 105, Cutler Bay, FL. 33189**. All submittals must be sealed and clearly marked on the outside in the following manner: "ITB No. 25-06 Soil Remediation Project for Blue Heron Park".

**A (virtual and/or in-person) Bid Opening Meeting will be held on Thursday, June 12, 2025, at 1:00 PM in the Town Hall Council Chambers, 10720 Caribbean Blvd., Cutler Bay, Florida 33189.**

If attending virtually, the meeting will be available using Zoom communications media technology platform. **Registration is required.** To register in advance, please visit: [https://us06web.zoom.us/webinar/register/WN\\_IBm94G-UQbaXLUButMniHA](https://us06web.zoom.us/webinar/register/WN_IBm94G-UQbaXLUButMniHA)

Late Submittals and facsimile submissions will not be considered. The proposer shall bear all costs associated with the preparation and submission of the proposal.



# Update on Blue Heron Park

MICHAEL GOLDSTEIN, TOWN'S ENVIRONMENTAL COUNSEL

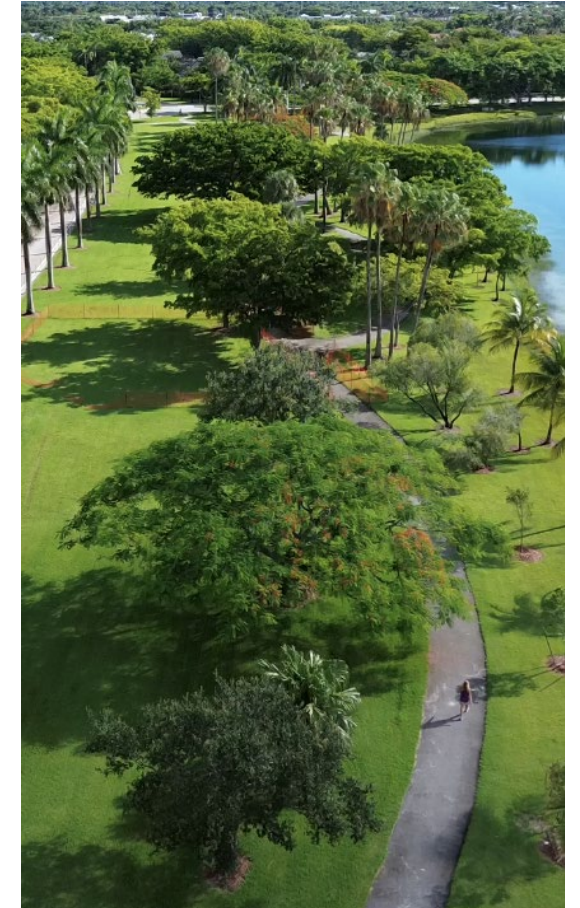


# Remediation and Reopening of Blue Heron Park

## 21900 SW 97th Avenue (1 of 2)

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- In July 2023, background investigation for Legacy Park identified arsenic in soil at Blue Heron Park exceeding the Residential Soil Cleanup Target Level.
- Results of the soil investigation documented in several reports and submitted to Miami-Dade DERM, including on 10/14/24, 1/19/24, and 1/29/25
- DERM provided guidance to the Town in writing on 2/5/25 and in several meetings.
- On 4/15/25, the Town filed a Source Removal/Soil Management Plan with Miami-Dade DERM.
  - Excavate impacted soil across the site to groundwater up to the property boundaries.
  - Soils will be transported to an approved landfill facility under waste manifest protocol.
  - In areas around existing trees, a tree protection zone (TPZ) is being calculated by a qualified arborist and marked in the field to preclude heavy machinery from excavating too close to the root structures.
  - Construction activities shall not start until the TPZs have been marked in the field.
  - In the location of trees, the use of an engineering control within the TPZ will be used to prevent interaction with the soils within the root structure of the trees.

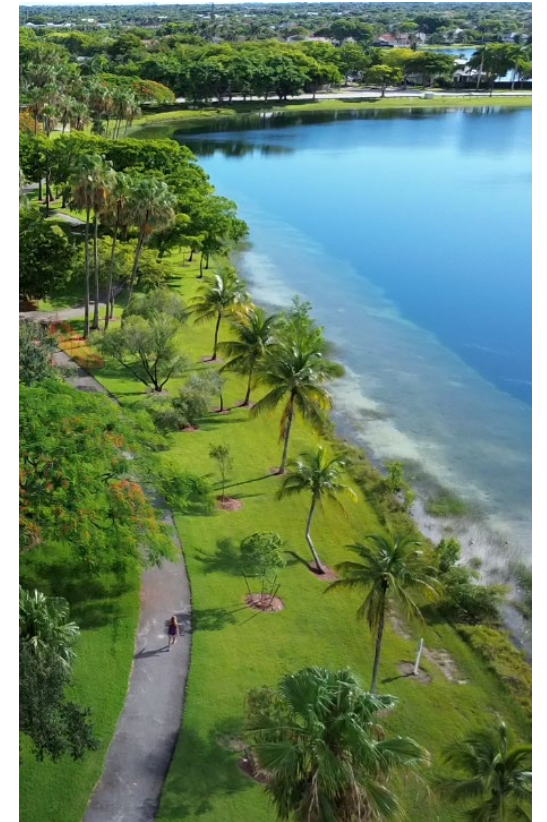


# Remediation and Reopening of Blue Heron Park

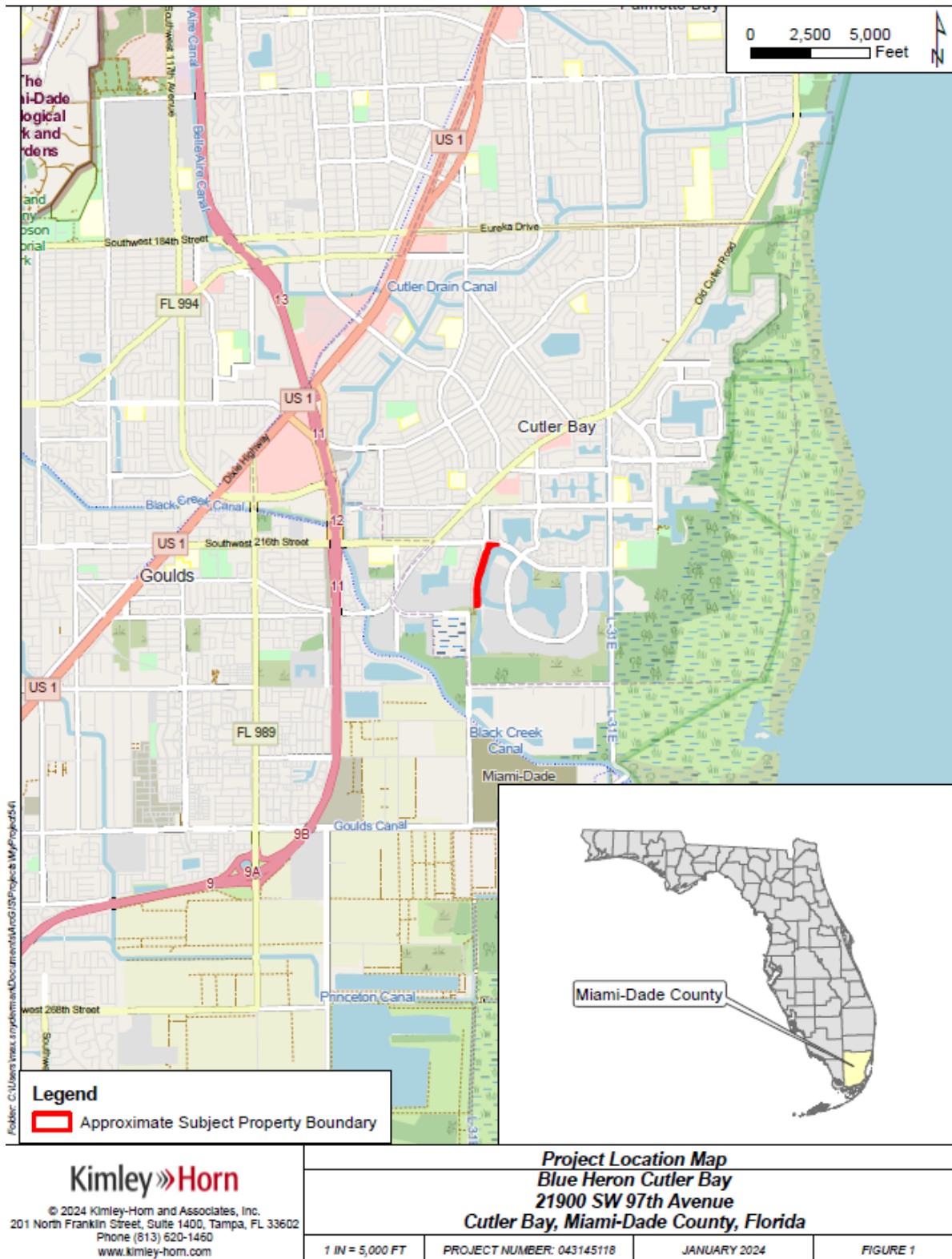
## 21900 SW 97th Avenue (2 of 2)

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- A groundwater investigation will be conducted following the source removal event, and then groundwater will be monitored for at least one year.
- A Declaration of Restrictive Covenant will be recorded prevent use of the groundwater for consumption and ensure that the engineering controls around the preserved trees will be maintained.
- On 5/21/25, DERM issued correspondence to the Town approving the Source Removal Plan and Soil Management Plan.
- Bids for source removal will be issued to no less than three contractors by 5/28/25. Responses will be due by 6/4/25.
- A contractor will be recommended to Council at the June 18<sup>th</sup> Council Meeting. Work will commence no later than 8/1/25 and conclude by no later than 10/1/25.
- Park should be reopened by 12/31/25.
- The Town is looking at a Brownfield Area Designation, which could result in cash recapture of between 45% and 67.5% of out-of-pocket costs for soil excavation and disposal expenses, backfill material, and some environmental consulting, legal, and planning and engineering, support.



## Project Location Map



# Project Site Map







Department of Regulatory and Economic Resources

Environmental Resources Management

701 NW 1st Court, 4th Floor

Miami, Florida 33136-3912

T 305-372-6700 F 305-372-6982

May 15, 2025

miamidade.gov

Rafael G. Casals, Town Manager  
City of Cutler Bay  
10720 Caribbean Boulevard, Suite 105  
Cutler Bay, FL 33189

Via ELECTRONIC MAIL: [rcasals@cutlerbay-fl.gov](mailto:rcasals@cutlerbay-fl.gov)

PLEASE NOTE PAPER COPY WILL NOT FOLLOW BY REGULAR

RE: Source Removal Plan (SRP)/Soil Management Plan (SMP)/Dust Control Plan (DCP)/Health and Safety Plan (HASP) dated April 15, 2025 and prepared by Kimley Horn and Associates, Inc. for Blue Haron Park located at, near, or in the vicinity of 21900 SW 97<sup>th</sup> Avenue, Cutler Bay, Miami-Dade County, Florida 33031 (HWR-1506/File-NA).

Dear Mr. Casals:

The Department of Regulatory and Economic Resources-Division of Environmental Resources Management (DERM) has reviewed the above-referenced submittal, received April 15, 2025 and hereby approves the SRP/SMP/DCP/HASP with the following conditions:

1. The DCP did not provide information concerning the type of equipment that will be used to measure/read atmospheric conditions (wind speed, direction, etc.). Therefore, appropriate equipment shall be used to measure real time atmospheric conditions at the Site during periods of dust generating activities to support the locations of upwind and downwind total dust monitoring stations, as well as inform the on-site contractor of necessary preventative actions (as outlined in the DCP). The type of equipment used and the time/location of measurements/readings shall be provided in each quarterly Soil Management Operating Report (SMOR). Additionally, total dust monitoring readings, presented in graphical format, shall be provided in each SMOR.
2. Please be advised that based on the proposal to remove all soils from land surface to the water table within the Site boundaries, DERM does not require the backfill material to be compacted, as described in section 4.4 Clean Backfill Material and Management, except within the "Tree Protection Zones" where contaminated soil has been proposed to remain in-place and covered with a 6-mil or greater impermeable liner covered by a minimum of one foot of clean backfill.
3. Documentation (receipts, manifest, etc.) shall be provided from the applicable waste disposal facilities and Miami-Dade County quarry to demonstrate that all contaminated soil was properly disposed and clean fill from a Miami-Dade County quarry was used to backfill the source removal areas.
4. DERM acknowledges that a Confirmation Sampling Plan (CSP) will be provided to DERM upon completion of backfill activities to verify the quality of the backfill material.
5. Please be reminded that a Site Assessment Report addendum to address boundary soil assessment and delineation, as well as groundwater assessment, as outlined in DERM's February 5, 2025 letter, remains pending and may be completed following completion of the SRP.

Therefore, based on the above and pursuant to Sections 24-7(15), 24-7(26), and 24-44(2)(g) of the Code, you are hereby ordered to submit to this office for review, within one-hundred and twenty (90) days of receipt of this letter, the first quarterly Soil Management Operating Report (SMOR). A Source Removal Report (SRR), prepared in accordance with Chapter 24, Code of Miami-Dade County, shall be submitted to DERM for review and approval within sixty (60) days of completion of source removal activities. Technical Reports (assessment, remediation, etc.) shall be submitted via email to [DERMPCD@miamidade.gov](mailto:DERMPCD@miamidade.gov) and/or [Sandra.Rezola@miamidade.gov](mailto:Sandra.Rezola@miamidade.gov). For files too large for electronic transmittal, please utilize a Drop-Box or other equivalent FTP link. A review fee of \$1,451.25 (\$1,350 review fee and \$101.25 RER surcharge) plus past due fee of \$1,451.25 for review of the LSAR dated November 19, 2024 shall be included with the submittal.

Any portion of the site to be sold, transferred or dedicated (including for public right-of-way) shall be identified, and the receiving entity must be made aware of the contamination, if present, and accept any conveyance. If soil contamination, groundwater contamination, solid waste and/or methane will be addressed via a No Further Action with Conditions, each individual property owner will have to execute a restrictive covenant and each receiving entity must accept all applicable restrictions and responsibilities that are required following transfer of ownership. Please note that nothing stated herein may be interpreted to limit or restrict an engineer's or other professional's responsibility to prepare plans accurately and completely for proposed rights-of-way as well as any other projects or plans. For proposed dedications, any soil, groundwater or surface water contaminants or solid waste and/or methane must be disclosed to the receiving County or Municipality applicable department at the earliest stage possible; the presence of any such contamination and/or solid waste and/or methane impacts or a delay in disclosure of such contamination or impacts could result in the County declining to accept the proposed dedication, the need for the developer to reconfigure or change previously *approved* site plans, or other changes to the proposed development.

Be advised that the vertical and horizontal extent of the contaminant plume(s) shall be fully delineated. DERM has the option to split any samples deemed necessary with the consultant or laboratory at the subject site. The consultant collecting the samples shall perform field sampling work in accordance with the Standard Operating Procedures provided in Chapter 62-160, FAC, as amended. The laboratory analyzing the samples shall perform laboratory analyses pursuant to the National Environmental Laboratory Accreditation Program (NELAP) certification requirements. If the data submitted exhibits a substantial variance from DERM split sample analysis, a complete resampling using two independent certified laboratories will be required.

DERM shall be notified in writing a minimum of three (3) working days prior to the implementation of any sampling or field activities. Email notifications shall be directed to [DERMPCD@miamidade.gov](mailto:DERMPCD@miamidade.gov). Please include the DERM file number on all correspondence.

Please be advised that electronically submitted reports that require a Professional Engineer's (P.E.) or Professional Geologist's (P.G.) sign and seal shall be signed and sealed in accordance with the applicable portions of Chapter 471, Florida Statue (F.S.) and Rule 61G15, Florida Administrative Code (FAC) for P.E.s and in accordance with Chapter 492, F.S. and Rule 61G16, FAC, for P.G.s. If a report is electronically signed and sealed, then the corresponding "signature report", which contains a brief description of the documents being electronically signed and sealed along with the SHA-1 authentication code, shall be submitted. A scanned copy of the "signature report" may be submitted provided the licensee maintains a hard copy of the physically signed and sealed "signature report". Any document(s) that do not meet the minimum certification requirements will not be received for review until the document(s) have been properly signed and sealed.

Any person aggrieved by any action or decision of the DERM Director may appeal said action or decision to the Environmental Quality Control Board (EQCB) by filing a written notice of appeal along with submittal of the applicable fee, to the Code Coordination and Public Hearings Section of DERM within fifteen (15) days of the date of the action or decision by DERM.

If you have any questions concerning the above, please contact Caroline Wright ([wrightc@miamidade.gov](mailto:wrightc@miamidade.gov)) of the Environmental Monitoring and Evaluation Section at (305) 372-6700.

Sincerely,



Wilbur Mayorga, P.E., Chief  
Environmental Monitoring & Restoration Division

cw  
ec: Bill Spinner, [Kimley-horn@miamidade.gov](mailto:Kimley-horn@miamidade.gov)  
Michael Goldstein, Esq., The Goldstein Environmental Law Firm, P.A., [mgoldstein@goldsteinenvlaw.com](mailto:mgoldstein@goldsteinenvlaw.com)



# **SOURCE REMOVAL/ SOIL MANAGEMENT PLAN**

**BLUE HERON PARK  
21900 SW 97<sup>TH</sup> AVENUE  
CUTLER BAY, FLORIDA  
HWR-1506**

**April 15, 2025**

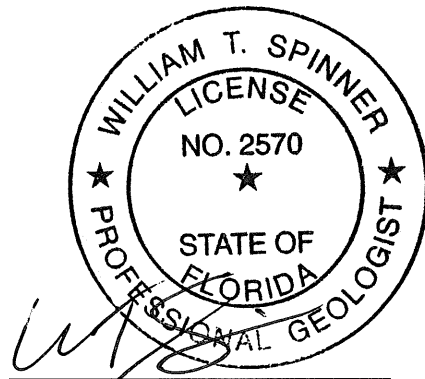
***Prepared by:***

Kimley-Horn and Associates, Inc.  
201 North Franklin Street, Suite 1400  
Tampa, FL 33602  
Phone: 813-620-1460  
[www.kimley-horn.com](http://www.kimley-horn.com)



**CERTIFICATION**  
**FLORIDA REGISTERED PROFESSIONAL GEOLOGIST**

In accordance with the provisions of Florida Statutes, Chapter 492, this document has been prepared under the direct supervision of a Professional Geologist registered in the State of Florida. This report has been determined to be in accordance with good professional practices pursuant to Chapter 492 of the Florida Statutes as it applies to the work described herein. No other warranties are implied or expressed.



William T. Spinner, P.G.  
Florida Registration No. 2570  
Date: 4/15/2023

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## **Figures**

Figure 1 – Site Location Map

Figure 2 – Site Map

Figure 3A-C – Arsenic Soil Concentration/Air Monitoring Location Maps

## **Appendices**

Appendix A – Worker Health and Safety Plan (HASP)

## 1.0 INTRODUCTION

### 1.1 Purpose

Kimley-Horn & Associates, Inc. (Kimley-Horn) has been prepared this Soil Management Plan (SMP) on behalf of the Town of Cutler Bay (“Cutler Bay”) and their contractors for the Blue Heron Park property (HWR-1506) located at 21900 SW 97<sup>th</sup> Avenue in Cutler Bay, Miami-Dade County, Florida (“property” or “site”) (**Figure 1**).

According to the Miami-Dade County Property Appraiser, the site contains the following Folio No.: 36-6016-027-0010 – Town of Cutler Bay. This parcel consists of an open grassy park with trees, walking paths, and minimal amenities.

The property is bordered to the north by SW 216<sup>th</sup> Street, followed by single family residences, to the east by a stormwater retention pond, to the south by SW 224<sup>th</sup> Street, followed by single family residences, and to the west by SW 97<sup>th</sup> Avenue, followed by single family residences (**Figure 2**).

The SMP describes appropriate procedures for the handling, transporting, storage of contaminated soils excavated during construction activities and outlines the management procedures to be followed by the primary contractor. This SMP also includes a description of air monitoring procedures necessary to ensure that workers and other individuals in the vicinity are not affected by fugitive dust, particulates, vapors emissions, or exposures to contaminated soil and/or groundwater via inhalation, dermal contact or ingestion. On-site workers must be informed of the requirements of the SMP. This SMP and the attached Health and Safety Plan must be available on-Site throughout the course of this construction project.

### 1.2 Project History

Kimley-Horn conducted a background investigation for another project within the Town of Cutler Bay in July 2023 that identified arsenic in soil at the Site at concentrations exceeding the Residential Direct Exposure Soil Cleanup Target Level (“RSCTL”). Additionally, as part of that investigation, a groundwater sample was collected from one of the soil sampling locations. No contaminants of concern were observed in the groundwater sample collected at that location.

Since the initial background study was conducted in July 2023, several iterations of field activities have been conducted, which consisted of the completion of soil borings and soil sampling in the areas of the previously identified soil impacts and in other areas across the site. The latest sampling investigation, completed in March 2025, identified widespread arsenic impacts in shallow soils, on top of a limestone layer across the site and identified the soils to exceed the groundwater criteria when analyzed by the Synthetic Precipitation Leaching Procedure (SPLP).



At this time, the Town of Cutler Bay has closed the park and anticipates completing excavation of impacted soils across the park, implementing engineering controls in the areas of trees to be protective of human health and the environment.

## 2.0 SOURCE REMOVAL PLAN

Cutler Bay plans to excavate the open areas across the site. Due to the varying concentrations across the site, excavations will be conducted to the depth of groundwater, up to the property boundaries to ensure arsenic impacted soils are removed. Soils will be handled and transported to an approved landfill facility under waste manifest protocol, as described in Section 4.0, below.

### 2.1 Tree Protection Zone

In areas around existing trees, a tree protection zone (TPZ) will be calculated using the trunk diameter (diameter at breast height, "DBH") and a multiplication factor based on the species tolerance to construction and the age of the tree to ensure excavation activities do not detrimentally impact trees. The calculated TPZ will be determined by a qualified arborist contracted by the Town of Cutler Bay, for the specific tree species on the site. The TPZ will be marked in the field with construction stakes and silt fencing (or similar type fencing) to preclude heavy machinery from excavating too close to the root structure of the trees. Construction activities shall not start until the TPZs have been marked in the field.

Species Tolerance to Construction Damage	Relative Tree Age*	Multiplication Factor
High	Young or semimature	6
	Mature	8
	Old	12
Medium	Young or semimature	8
	Mature	12
	Old	15
Low	Young or semimature	12
	Mature	15
	Old	18

\*Young to semimature = less than 40 percent life expectancy; mature = 40 to 80 percent life expectancy; old = greater than 80 percent life

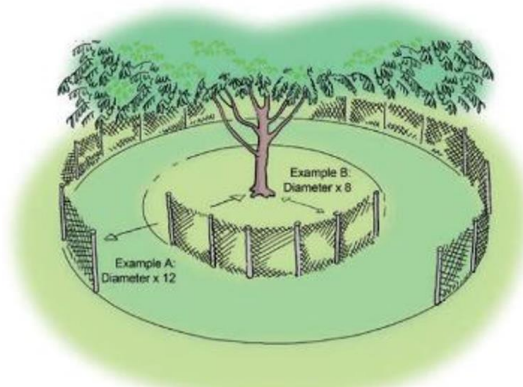


Figure 3. The calculated tree protection zone (TPZ) based on tree diameter, species tolerance to construction damage, and maturity. Applying the trunk formula method of determining the calculated TPZ by multiplying DBH x TPZ multiplication factor = TPZ radius. Example A: Calculated TPZ for a medium-tolerance, mature tree with a diameter of 20 in (51 cm).  $DBH \times 12 = 20 \text{ in (51 cm)} \times 12 = 240 \text{ in (610 cm)} = 20 \text{ ft (6 m)}$  radius. Example B: Calculated TPZ for a high-tolerance, mature tree with a diameter of 20 in (51 cm).  $DBH \times 8 = 20 \text{ in (51 cm)} \times 8 = 160 \text{ in (406 cm)} = 13.3 \text{ ft (4.1 m)}$  radius.

In the location of trees, the use of an engineering control within the TPZ will be used to prevent interaction with the soils within the root structure of the trees, as described below.

## 3.0 ASSESSMENT SUMMARY

### 3.1 Assessment Summary

As stated above, site assessment activities were completed from July 2023 through March 2025. The contaminants of concern (COCs) in soils include arsenic at concentrations exceeding leachability, direct exposure residential and commercial/industrial based soil cleanup target levels (LSCTLs/RSCTLs/CSCTLs) (**Figure 3A-C**). Previous environmental studies for this project site include the following reports:

- Site Assessment Report Addendum/Background Study, prepared by Kimley-Horn for Cutler Back Legacy Park redevelopment site, September 27, 2023
- DERM Comment Letter, dated October 27, 2023
- Interim Soil Assessment Report, prepared by Kimley-Horn, dated September 30, 2024
- Supplemental Limited Soil Investigation Report, prepared by Kimley-Horn, November 19, 2024
- DERM Comment Letter, dated February 5, 2025

Groundwater has not been investigated across the entire site.

## 4.0 SOIL MANAGEMENT PLAN

The Town of Cutler Bay and its construction contractors will encounter contaminated soils as part of construction activities at the Site. This SMP has been prepared to provide information on the handling, characterization, and disposal of impacted soil across the Site and to provide permitting requirements for any dewatering that may take place.

### 4.1 Contractor Responsibilities

The construction contractor will have the following responsibilities in soil management:

- The construction contractor shall utilize the attached Health and Safety Plan (HASP) that has been reviewed and certified by a Certified Industrial Hygienist (CIH). The HASP contains the following information: the expected contaminants of concern, emergency responses for workers exposed, and location of closest medical facilities. Contractor may prepare their own HASP, but it must include the information provided in the attached HASP and be certified by a CIH.
- The construction contractor shall hold a pre-construction meeting that includes a discussion of the SMP and the Site's HASP as part of the agenda.
- The construction contractor shall conduct daily tailgate meetings that include a job safety analysis and a review of the dust control plan.

- The construction contractor shall conduct a daily inspection of any stockpiled material to confirm dust, erosion, and stormwater control efforts.
- The construction contractor shall review this document in its entirety and sign the attached Soil Management Plan Acknowledgement Form, to be kept on file.

#### **4.2 Contaminated Soil Reuse**

Areas of the site contain arsenic at concentrations exceeding the State of Florida SCTLs. There shall be no beneficial reuse of contaminated soils. Soil planned to be disposed offsite must comply with the accepting landfill requirements. The contractor shall contact the accepting landfill for a list of parameters acceptable to set up a waste profile. Results of sampling of soils to be disposed must be sent to the landfill. At this time, it is anticipated that the current soil data will suffice for waste characterization for disposal. The contractor shall obtain the appropriate waste profile with the accepting landfill to ensure all materials can be disposed at that location. Should the accepting landfill require additional soil data, the contractor shall notify the Town, who will have the soil tested per the landfill requirements. Copies of waste manifests shall be provided to the Town for inclusion in quarterly Soil Management Operation Reports (SMORs).

#### **4.3 Soil Stockpiling**

Should any soil excavated within the contaminated area be stockpiled for offsite disposal during construction activities, it shall be stockpiled on polyethylene sheeting to prevent infiltration of precipitation and to control erosion and generation of dust. Stockpiled soils will be covered daily with polyethylene sheeting and shall be secured using heavy objects (rocks, bricks, etc.) to prevent strong winds from removing the cover and to prevent dust generation and/or soil runoff during rain events. Please note, contaminated soils may be stored on site for no more than ninety (90) calendar days, unless otherwise ordered by the Director or the Director's designee. Prior to the expiration of the ninety (90) day period, soils shall be disposed of at an approved landfill, documentation provided, and manifests included in quarterly SMORs.

#### **4.4 Clean Backfill Material and Management**

Upon completion of soil excavation, clean backfill will be imported, graded, and seeded to return the park to normal operation. Clean backfill being imported to the Site shall be from an approved Miami-Dade County quarry. Clean backfill sourced from a non-Miami-Dade County quarry shall be characterized in accordance with *DERM Guidance 7H – Soil Reuse Guidance for Miami-Dade County*, Revised January 2024.

The on-Site stockpiling of clean fill material for future use must be maintained separate from contaminated soil stockpiles. In order to prevent comingling of material, the location of the clean soil stockpiles must be documented prior to the start of construction. At the end of each day, clean

soil stockpiles must be covered with polyethylene sheeting, which shall be secured by heavy objects (rocks, bricks, etc.) to prevent strong winds from removing the cover and to prevent dust generation and/or soil runoff.

Backfilling operations will be conducted in one-foot lifts, with each lift meeting or exceeding 85% compaction. The log compaction ratio will need to be checked (via nuclear gauge) to make sure the appropriate compaction is attained and included in quarterly SMORs.

#### **4.5 Proposed Final Cover**

The final cover will consist of clean backfill. Upon completion of backfilling operations, a Confirmation Sampling Plan (CSP) will be presented to DERM for review and approval. The CSP will provide locations of confirmation soil sampling and the list of contaminants of concern (arsenic). DERM requests the ability to collect split samples. As such, coordination with DERM will be required.

Any soils left in place in landscaped areas (tree protection zones) shall be covered with no less than a 6-mil or greater impermeable liner and one foot of clean backfill to prevent exposure and potential leaching to underlying impacted soils left in place.

### **5.0 CONSTRUCTION DEWATERING PROCEDURES**

Dewatering is not anticipated to be conducted as part of the construction activities. However, should dewatering be required, the contractor shall obtain separate dewatering permits through DERM and/or the South Florida Water Management District (SFWMD). Dewatering and drainage design plans (if necessary) shall be prepared in accordance with the DERM Minimum Requirements for Drainage and Dewatering.

### **6.0 ENGINEERING CONTROLS**

Engineering Controls (ECs) are constructed containment barriers or systems that prevent contact and/or control the downward migration, infiltration or seepage of surface runoff and rain; or natural leaching/migration of contaminants through the subsurface over time. Based on the initial engineering calculations, any impacted soils within the contaminated area will be comprised of one foot of clean fill underlain with an impervious liner (6 mil or greater), meeting or exceeding 85% compaction testing.

Since groundwater has not previously been evaluated, no institutional controls are proposed at this time. Should future groundwater impacts be identified at the site, the use of an institutional control will be evaluated.

Once the SMP is approved by DERM and construction and confirmation sampling activities have been completed, a draft Declaration of Restrictive Covenant (DRC) will be prepared to incorporate the EC(s) on the deed of the property, and an Engineering Control Maintenance Plan (ECMP) will be prepared based on the as-built location and type of engineering controls used at the Site. The draft DRC and ECMP will be submitted to DERM for review and approval. Once approved, the final DRC will be recorded with the Clerk of Courts.

## **7.0 WORKER HEALTH AND SAFETY-MONITORING**

Construction worker health and safety relating to exposure to contaminated media shall follow all applicable Occupational Safety and Health Administration (OSHA) guidelines.

### **7.1 Health and Safety Plan**

A Worker Health & Safety Plan (HASP), certified by a Certified Industrial Hygienist (CIH), is attached for review (**Appendix A**). The HASP contains information regarding the expected contaminants of concern, emergency responses for workers exposed and location of closest medical facilities.

The HASP will be followed for all work at the site. The referenced guidelines for Occupational Safety and Health Administration (OSHA) shall be followed by all personnel working at or visiting the site. It is recommended that on-site personnel involved in the handling of contaminated soil be 40-hour OSHA HAZWOPER trained.

The contractor may elect to develop their own site-specific health and safety plan before handling contaminated soil or adopt the HASP prepared by Kimley-Horn. If the contractor elects to develop their own site-specific HASP, it must, at a minimum, meet the requirements included in the Health & Safety Plan included herein and be certified by a CIH.

### **7.2 Dust Control Plan**

Precautions shall be taken to minimize fugitive emissions of particulates (dust) from the Site. Dust control measures will be employed when visually observable dust exists during SMP activities at the Site. To minimize worker exposure, the contractor will implement dust suppression practices on an as-needed basis, as described below:

- Wet suppression - water will be applied to access roads, active work areas, staged material and/or other areas based on observations by on-site personnel,
  - The primary mechanism for dust control will be the use of water trucks with a spray bar and spray hoses or large area mister. Dust suppression may also be accomplished, as appropriate, by covering areas with temporary tarps.

- Vehicle speed control - low speeds (10 miles per hour or less) for vehicular traffic will be enforced,
- Work area access - access will be limited only to vehicles and equipment required for the work being conducted,
- Visible dust suppression - employees will be notified to avoid area where airborne dust is generated and, if dust is visible, increased dust control measures (primarily wetting) will be conducted,
- Cover transported waste - dump trucks shall be covered before they exit the site,
- Erosion control – erosion control methods will be implemented in compliance with a Stormwater Pollution Prevention Plan (SWPPP) and the NPDES Generic Permit for Stormwater Discharge from Large and Small Construction Activities. The contractor shall provide an approved SWPPP.
- If the sustained wind speeds exceed 25 miles per hour, active soil excavation and relocation will cease until the sustained wind speed declines to 25 miles per hour or lower. Non-dust-producing activities (equipment maintenance, etc.) may still be conducted during these periods.

Dust control training for Site personnel will be included in the HASP provided by the contractor. This training will review individual responsibilities and actions for controlling dust. The training will emphasize the importance of dust control to the overall success of the Site activities and familiarize Site personnel with the air monitoring requirements and dust control procedures that will be adhered to in accordance with this SMP to minimize dust generation. The consultant will have overall onsite responsibility for monitoring the dust control program; and the contractor will have onsite responsibility for adjusting dust control measures to prevent transport of dust offsite.

### **7.3 Dust Monitoring Plan**

During the planned disturbance of soil containing contaminants above the FDEP SCTLs, an air monitoring program will be implemented to quantify safety and health hazards and airborne levels of particulates or dust. The air monitoring program will be used for determining work practices, and Personal Protective Equipment (PPE) for involved Site workers, as well as to evaluate the potential impacts to adjacent properties.

The primary purpose of this monitoring is to help evaluate the potential for worker exposure to the identified contaminants of concern and dust pollution. This will be accomplished by comparing the real-time particulate result with the action levels that are prescribed in the table below. The action

levels have been developed based upon the soil concentration of the contaminant and commonly accepted work practices.

Observed Particulates Concentration	Action
150% of background concentration	Advise Contractor to enhance dust controls measures
200% of background or 0.150 mg/m <sup>3</sup> (NAAQs for PM <sub>10</sub> ) over a 5-minute period or Downwind concentration > (0.26 mg/m <sup>3</sup> + upwind concentration)	Advise Contractor to suspend dust generating activity until corrective actions are implemented to reduce particulate emissions below the action level.

#### Notes

PM<sub>10</sub> = particulate matter with an aerodynamic diameter of less than 10 micrometers

mg/m<sup>3</sup> = milligrams per cubic meter

Total dust will be measured using ambient air dust monitors (such as a TSI DustTrak DRX aerosol monitor or similar) capable of measuring the mass concentration of dust in real time. Proposed air monitoring locations are depicted on **Figure 3A-C**.

The units are also capable of sounding an audible alarm whenever a user-defined level is exceeded. For this project, the alarm level will be programmed to 0.150 mg/m<sup>3</sup>. Data logging will also be set so that the instrument tags and time stamps collect data on a 2-minute time-averaged basis. In real time, the contractor will be able to assess significant increases in the particulate level in the work zone, so that control measures can be quickly implemented if action levels are exceeded.

The following actions will be taken based on visual dust observations or instrumentation measurements:

- If the downwind particulate level is 0.10 mg/m<sup>3</sup> greater than background (upwind perimeter) for a 15-minute period or if airborne dust is observed leaving the work area, then dust suppression must be employed. Work may continue with dust suppression techniques provided that downwind PM<sub>10</sub> levels do not exceed 0.15 mg/m<sup>3</sup> above the background level and provided that no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM<sub>10</sub> levels are greater than 0.15 mg/m<sup>3</sup> above the background level, work must be stopped, and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM<sub>10</sub> concentration to within 0.15 mg/m<sup>3</sup> of the upwind level and in preventing visible dust migration.



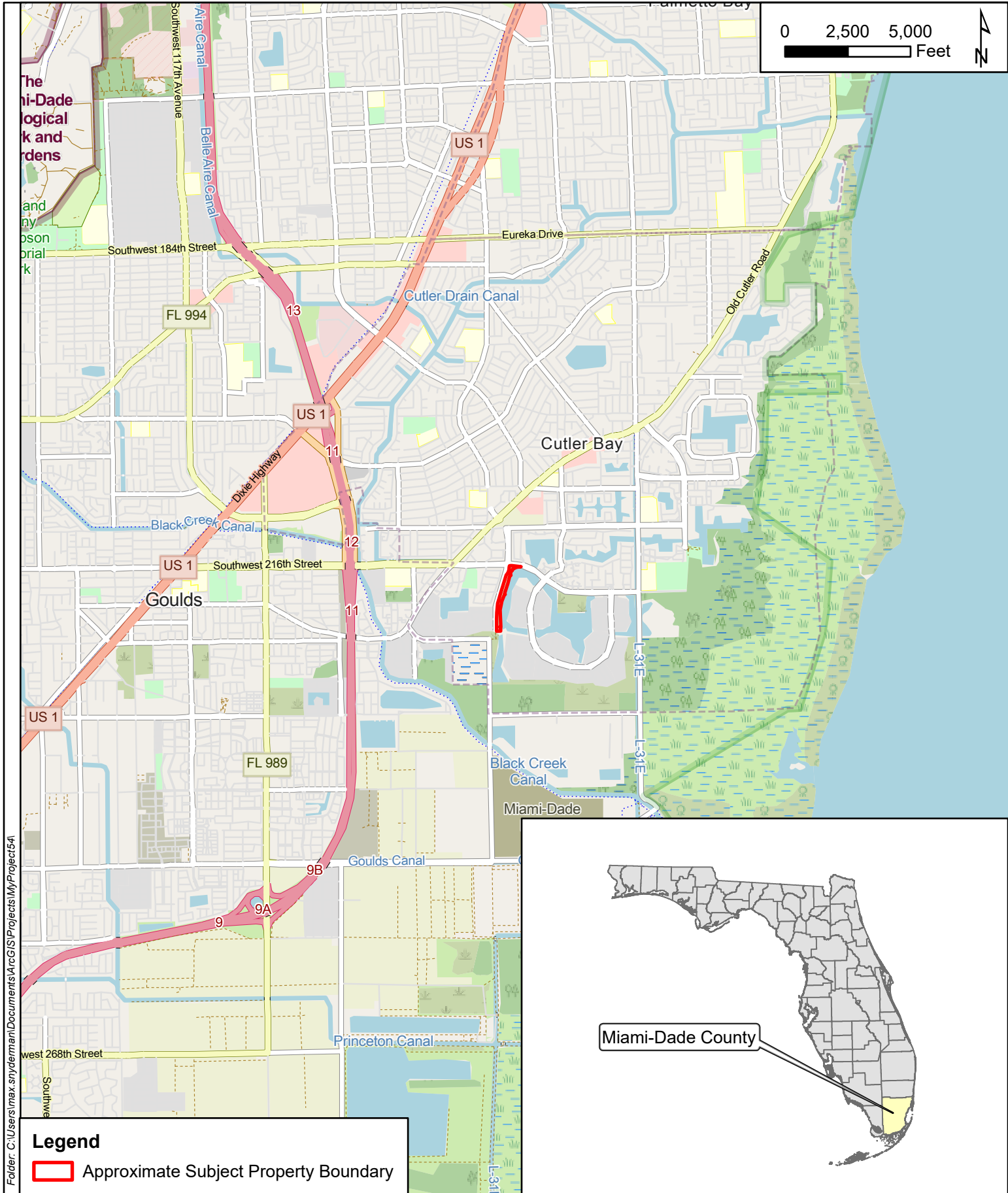
Air monitoring data for dust will be reviewed in the field, or through a telemetry-based system.

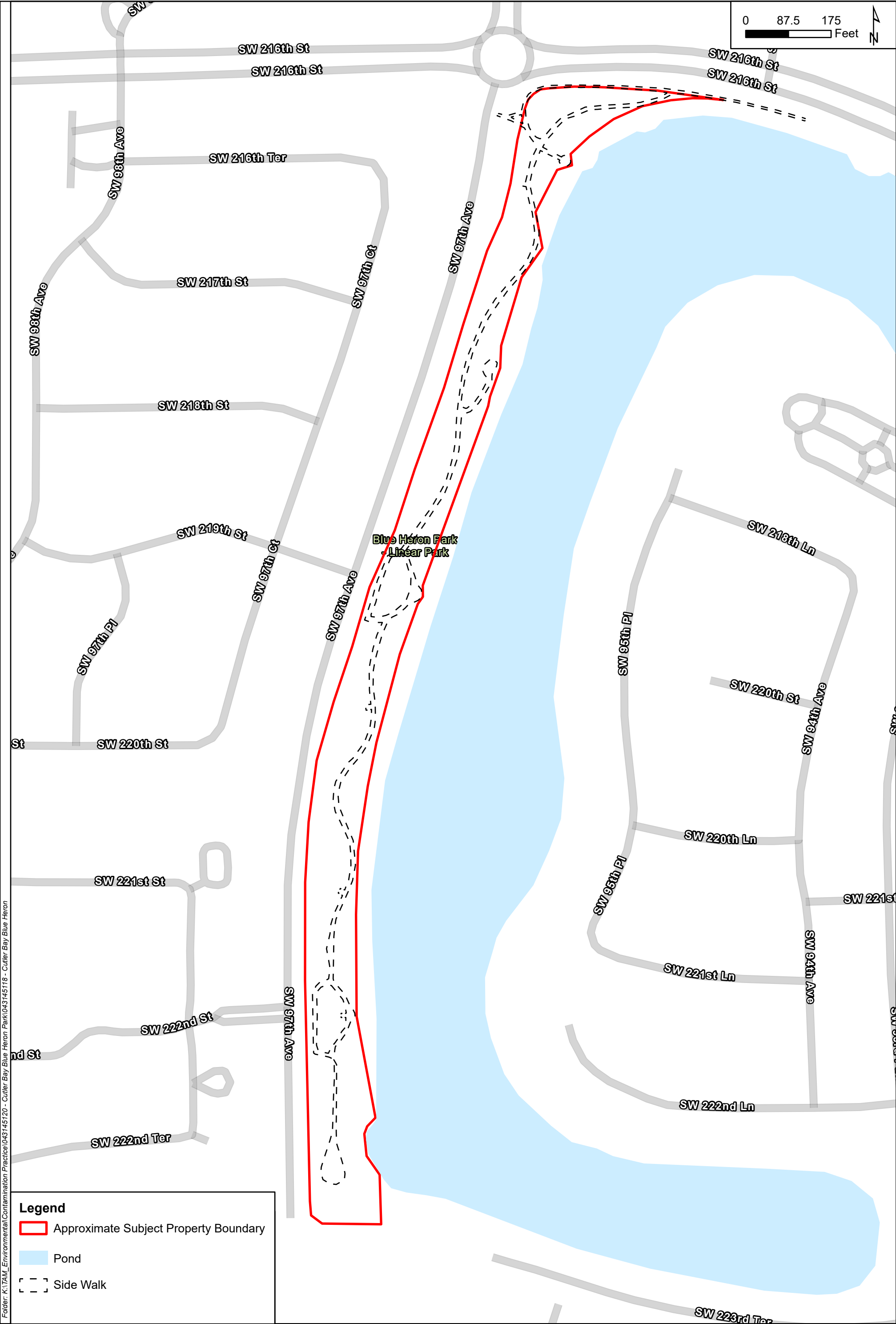
The background particulate levels will be established prior to land clearing activities. The air monitors will be placed for at least an 8-hour period at least one day prior to site work commencement (i.e., clearing, grubbing, soil disturbance, etc.).

The owner, in consultation with Kimley-Horn, may modify the locations and frequency of air monitoring, depending on site conditions, prevailing winds, and the frequency that action levels are detected. Air monitoring may be paused during periods of inactivity at the site, or when no earthwork is occurring.

Air monitors will not be deployed during rain events because the rain will eliminate the ability for dust to migrate and may damage the equipment. Specification and instructions for the typical air monitoring equipment discussed herein are provided as part of the Health and Safety Plan.

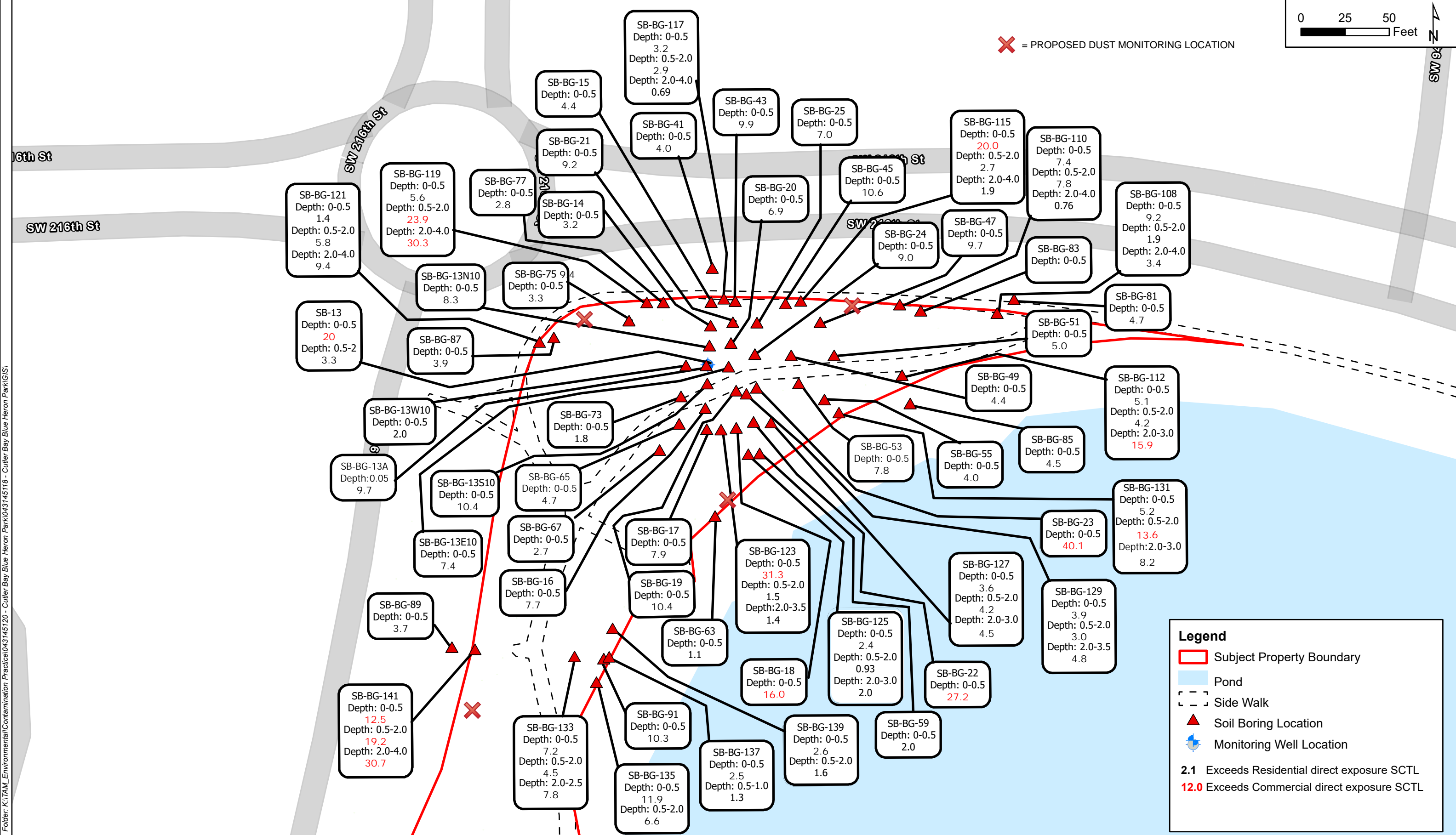
## FIGURES





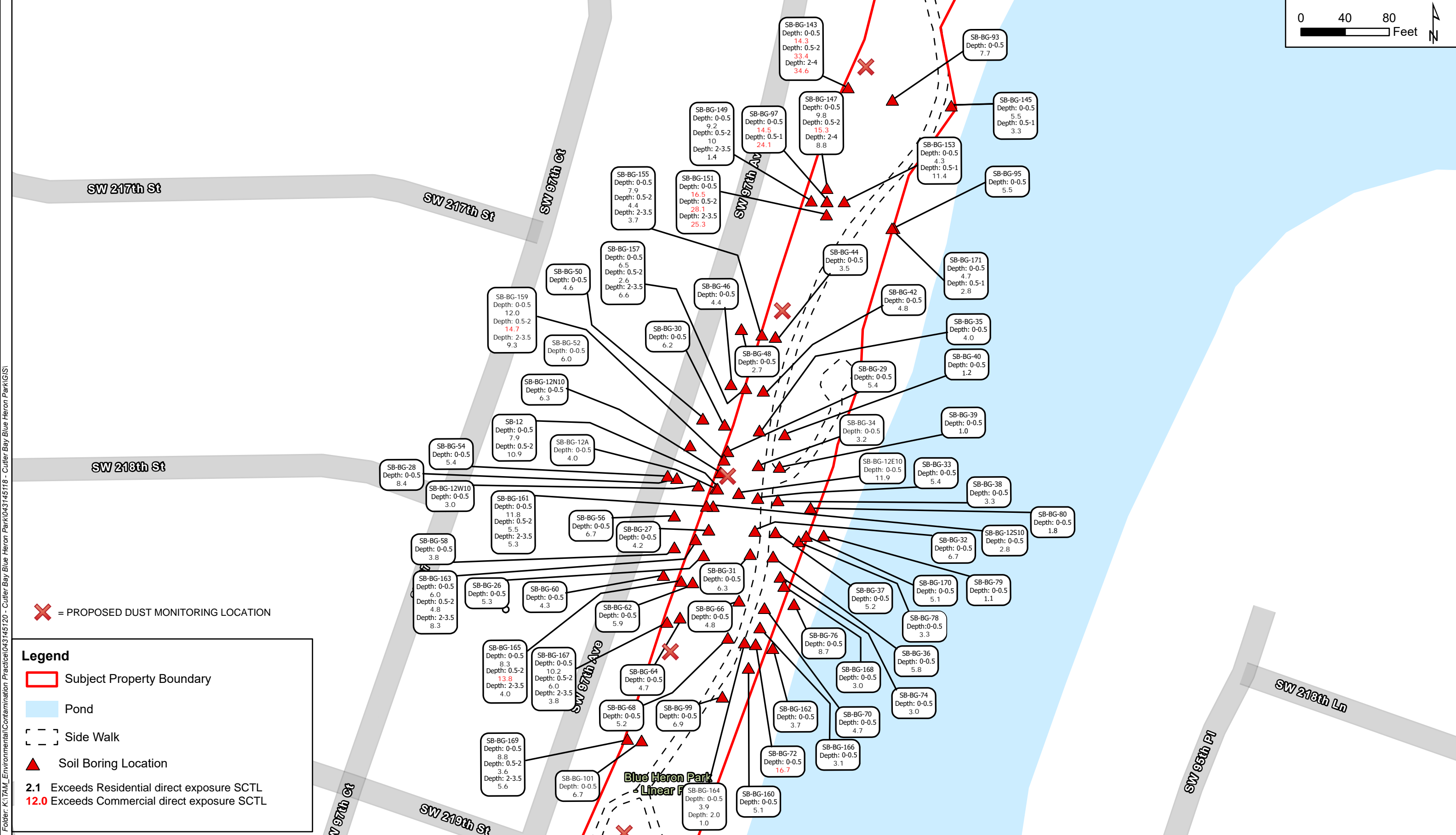
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- Legend**
- Approximate Subject Property Boundary
  - Pond
  - Side Walk



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✕ = PROPOSED DUST MONITORING LOCATION

**Legend**

Subject Property Boundary

Pond

Side Walk

Soil Boring Location

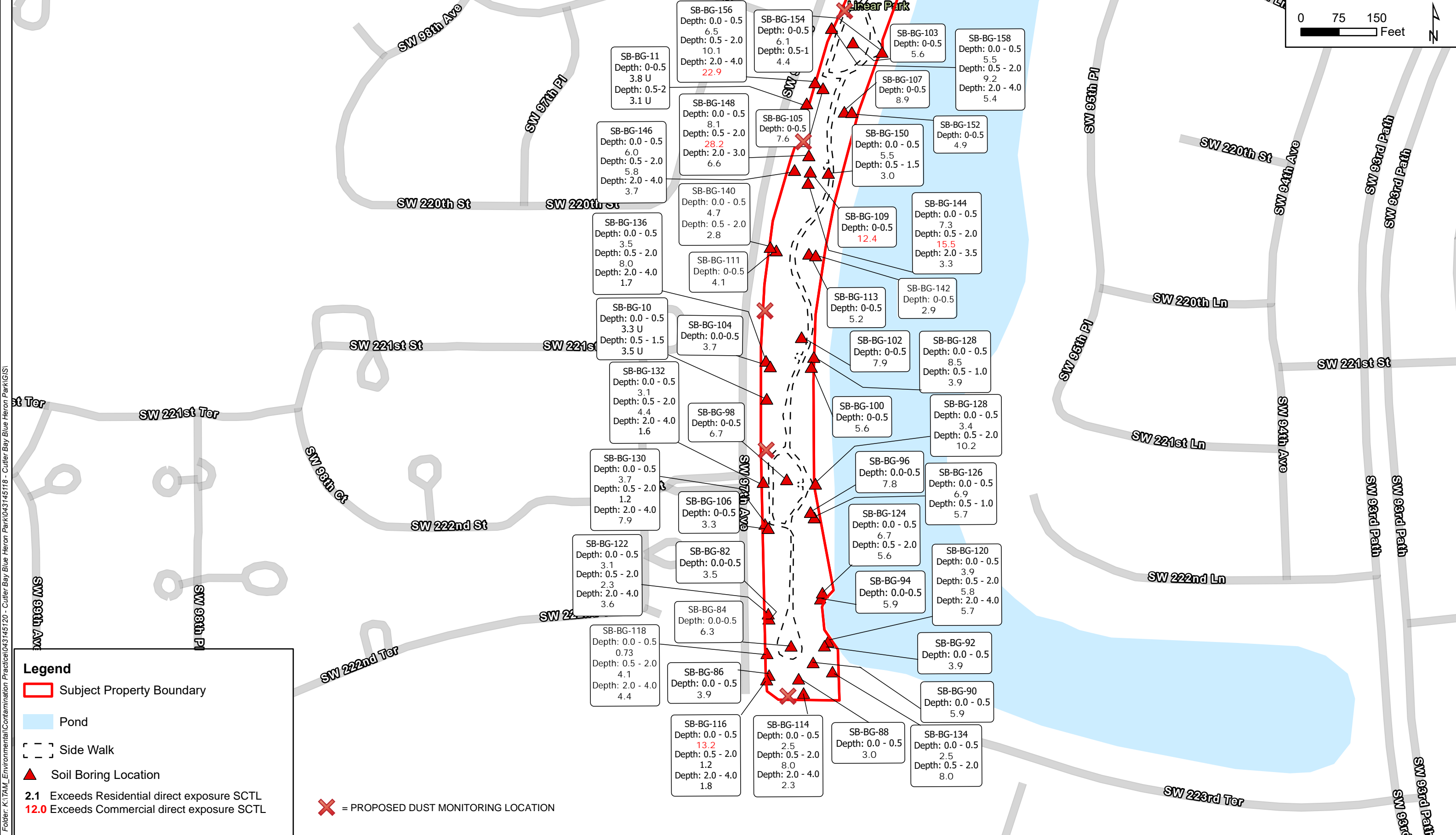
2.1

Exceeds Residential direct exposure SCTL

12.0

Exceeds Commercial direct exposure SCTL

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- Legend**
- Subject Property Boundary
  - Pond
  - Side Walk
  - ▲ Soil Boring Location
  - 2.1 Exceeds Residential direct exposure SCTL
  - 12.0 Exceeds Commercial direct exposure SCTL
  - X = PROPOSED DUST MONITORING LOCATION



APPENDIX A  
WORKER HEALTH AND SAFETY PLAN



## WORKER HEALTH & SAFETY PLAN

**BLUE HERON PARK  
21900 SW 97<sup>TH</sup> AVENUE  
CUTLER BAY, FLORIDA  
HWR-1506**

Prepared By:

**Kimley»Horn**

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Kimley-Horn Project No. 043145120

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Table 4: Summary of Work Tasks and Potential Hazards

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## ATTACHMENTS


Attachment A: HASP Acknowledgment Form

Attachment B: Directions to Hospital

## 1.0 SIGNATURES

This document has been reviewed and approved by:

  
Michael Rothenburg, P.E., CIH



This document has been reviewed and approved by:

NAME  
Contractor

NAME  
Site Safety Manager

## 1.1 REVISION HISTORY

Revision	Description	Revised By	Checked By	Issued By	Date



## 2.0 INTRODUCTION

This HASP represents the minimum health, safety and environmental requirements and guidelines to be followed. Amendments to this HASP will be made as necessary, such as when a new potential hazard emerges during work, or it is apparent that implementing further safeguards would be prudent. Unless subsequent amendments specify otherwise, all provisions of this HASP shall remain in effect for the duration of the project.

All employees will acknowledge their understanding and acceptance of the HASP with their signature on the HASP approval Form (**Attachment A**).

### 2.1 REVIEW AND IMPROVEMENT

Continuous improvements of this project-specific HASP involve identification of all hazards, risk assessment, performance monitoring and measurement, corrective and preventative actions, recommendations for improvements from workers, and/or any new relevant information.

The primary contractor reserves the option to make improvements to this HASP and its procedures as deemed necessary by the Site Supervisor or Project Health and Safety Coordinator (HSC), where applicable. The Site Supervisor or HSC will record all such implemented field decisions in his/her field notes and communicate such to the client as applicable.

### 2.2 HASP OVERVIEW

This HASP will be implemented by a “To Be Determined” (TBD) contractor.

**Owner: Town of Cutler Bay**

**Contractors:**

**Subcontractors:**

Safety assurance and compliance will be accomplished by:

- Performing a review of each contractor's and subcontractor's safety procedures for the work being performed, and their task specific safe work documents.
- An on-site evaluation will be performed to ensure that the subcontractor is performing the task per their safe work procedures.
- Daily and periodic inspections will be performed on the project and the work that each contractor is performing to ensure safe work and working conditions.
- The health and safety plan and/or safe work procedures will be modified accordingly if work practices do not address all hazards or to ensure the task is being performed safely. The plan will also be modified if it is determined there is a safer way to perform a task.
  - Miami-Dade County will partner with the contractor to ensure that safety issues are resolved with a satisfactory outcome to all parties involved, and the Health and Safety Plan is amended to reflect those changes.

- There will be a project Kick-Off Meeting held prior to the start of construction activities to ensure all parties agree with these provisions and the entirety of this Health and Safety Plan. Each person will acknowledge agreement by signing the HASP.

**Table 1: Emergency Contact Assessment**

<b>Emergency Contact Assessment</b>		
<b>Local Hospital Name:</b> Jackson South Medical Center	<b>Address:</b> 9333 SW 152 <sup>nd</sup> Street, Miami, FL 33157	<b>Phone:</b> 305-251-2500
Police: 911	Ambulance: 911	
Fire: 911	BOT Crisis Management Center:	
D&A: LabCorp (24/7 D&A post-accident testing by HSE/HR)	Miami-Dade County PM: Work: Cell: Email:	
Incident Reporting	Onsite H&S Manager: TBD Cell: Email:	
Facility Contact:	Other:	

Directions to Jackson South Medical Center are provided in **Attachment B**.

## EMERGENCY RESPONSE EQUIPMENT

The following emergency response equipment is required for this project and shall be readily available:

- \_\_\_\_\_ Field First Aid Kit
- \_\_\_\_\_ Fire Extinguisher - Type ABC
- \_\_\_\_\_ Eyewash (note: minimum 15 minutes of free-flowing freshwater) SCBA
- \_\_\_\_\_ Shower
- \_\_\_\_\_ Other: Respirator

## COMMUNICATION

The emergency response communication system for the site is:

**Table 2:** Recommended Methods of Emergency Communication

	Verbal
	Two-way Radio - Nextel
	Cellular Telephone
	Horn
	Siren
	Other:
	Hand signals*

\*Notes: Hand Gripping Throat = Out of air, can't breathe  
Grip partner's wrist or both hands around waist = Leave area immediately  
Hands on top of head = Need assistance  
Thumbs up = Ok, I am all right, I understand  
Thumbs down = No, negative

## EMERGENCY PROCEDURES

- The HSC (or alternate) should be immediately notified via the on-site communication system. The HSC assumes control of the emergency response.
- The HSC notifies the Project Manager and client contact of the emergency. The HSC shall then contact the Environmental, Health, and Safety Officer, who will then contact the Corporate Safety Officer.
- If applicable, the HSC shall notify off-site emergency responders (e.g., fire department, hospital, police department, etc.), and shall inform the response team as to the nature and location of the emergency on-site.
- If applicable, the HSC evacuates the site. Site workers should move to the predetermined evacuation point (TBD).
- For small fires, flames should be extinguished using the fire extinguisher. Large fires should be handled by the local fire department.
- In an unknown situation or if responding to toxic gas emergencies, appropriate PPE, including Self Contained Breathing Apparatus (SCBAs), should be donned. If SCBA's are not present at the site, workers will move away from the area of concern and proceed in an upwind direction.
- If chemicals are accidentally spilled or splashed into eyes or on skin:
  - Skin - remove contaminated clothing, wash with soap and water.
  - Inhalation - remove to fresh air.
  - Eye Contact - flushes with eye wash or water - get medical help if indicated

- Ingestion - seek medical help.
- If a worker is injured, first aid shall be administered by certified first aid provider. Medical emergencies take precedence over decontamination procedures. The route to nearest medical facility is shown on the attached map.
- Before continuing site operations after an emergency involving toxic gases, the HSC shall don a SCBA and utilize appropriate air monitoring equipment to verify that the site is safe.
- An injured worker shall be decontaminated appropriately. Medical emergencies take precedence over decontamination procedures.
- After the response, the SHSO shall follow-up with the required company reporting procedures, including the Incident Response Form.

**In the event of overt personnel exposure**

Skin - remove contaminated clothing, wash with soap and water.

Inhalation - remove to fresh air.

Eye Contact - flushes with eye wash or water - get medical help if indicated.

Ingestion - seek medical help.

**In the event of personnel injury:**

Administer first aid if needed. Medical emergencies take precedence over decontamination procedures. Know route to nearest medical facility. Nearest medical facility is shown on the attached map.

**In the event of potential or actual fire or explosion:**

Use hand extinguisher, if appropriate and if safety permits. Contact Fire Department and/or client company officials as appropriate. Contact Project Manager as soon as possible. Evacuate if necessary, to upwind "clean" location.

**In event of environmental accident:**

1. Pick up, isolate or contain spill.
2. Evacuate area, if necessary.
3. Contact Project Manager.

## 3.0 SAFETY ROLES AND RESPONSIBILITY

### 3.1 GENERAL STATEMENT

It will be the responsibility of every person on this project to adhere to this HASP and to cooperate fully in its implementation. This HASP shall be used as a guidance document for resolving any discrepancies that might occur between existing health and safety plans.

### 3.2 SAFETY MANAGEMENT

The contractor shall be responsible for the safety of their subcontractors and their Safety Management Systems by reviewing their safety procedures for the work being performed, and their task specific safe work documents. A review of subcontractor's Job Safety Analysis (JSA) or Activity Hazard Analysis (AHA) will be performed prior to the project to ensure it identifies the tasks associated with their role, the hazards associated with the tasks, and how the hazards are eliminated or controlled. This Health and Safety Plan, safe work documents and/or applicable JSA/AHA will be modified accordingly if it is determined that work practices do not address hazards or safe work procedures to ensure the task is being performed safely.

The following health and safety responsibilities will be assigned to designated personnel for the activities at the Site:

#### ALL PROJECT WORKERS

- ▶ To understand, participate in, and comply with the HASP and associated Safe Work Procedures and practices, rules, and any applicable federal regulatory standards and regulations.
- ▶ To properly use all applicable personnel protective equipment (PPE) and safety devices required based on site conditions.
- ▶ To properly use tools and equipment, and not operate equipment or carry out work for which they are not qualified or have not been adequately trained.
- ▶ To exercise the right to refuse unsafe work, if necessary, for safety reasons.
- ▶ To notify the Project Manager, field supervisor, and/or onboard Health and Safety Coordinator of any unsafe conditions or acts.
- ▶ To report all incidents/near misses and hazards to the Project Manager or field supervisor.
- ▶ To take every reasonable precaution to ensure the safety of fellow workers.
- ▶ To attend tailgate safety meetings, offer suggestions, and take actions on any safety concern in the workplace.
- ▶ To participate in and understand crew safety instructions and emergency duties, as well as follow all safety protocols, including PPE requirements.

- ▶ To understand that safety is a personal responsibility, a basis of performance appraisal and term of employment, including personal participation in ongoing safety training seminars and courses.

#### PROJECT MANAGER

The Project Manager is responsible for the scheduling of the project and taking all reasonable measures to ensure all workers and subcontractors comply with applicable legislation and client requirements.

The project manager will ensure that an appropriate HASP is in place and is effectively implemented. The HASP will be reviewed and approved by the Project Manager before site activities commence.

The following employees have been designated as the Project Health and Safety Coordinators for all related field work, for the site:

- TBD
- TBD

#### PROJECT HEALTH AND SAFETY FIELD COORDINATOR (HSC)

The HSC will monitor all work activities to ensure the HASP is properly implemented. Their responsibilities include:

- Orientation of on-site personnel,
  - Prior to start of field work, the HSC will review the HASP with all subcontractors and Owner representatives, if available, to ensure they understand the contents of the HASP and establish safety expectations.
    - All employees will acknowledge their understanding and acceptance of the HASP with their signature on the HASP Acknowledgement Form. **See Attachment A.**
  - Making sure all parties understand the protocol for discussing items of concern such as environmental conditions, planned activities, and schedules.
- Hosting daily safety meetings, where project field staff will be informed on the day's events. All personnel will be provided the opportunity to express any concerns they may have.
  - Define applicable hazard levels, with approval of the Project Manager and site superintendent.
- Ensure compliance with the project approved HASP throughout the duration of the project through continual observations of onboard conditions, work performance, and safe behaviors.
- Perform periodic inspections of the work being performed. Note any issues and make any amendments to the HASP as necessary.

If site conditions are deemed to be unsafe, the HSC, or designate, is responsible to stop work, if necessary, evacuate the work area as quickly and safely as possible to an upwind location, and notify the responsible contractor to take corrective actions,



The HSC will record and file any near misses, and incident reports related to site health and safety with the Project Manager and the owner.

Prior to start of field work, the HSC will review the HASP with all subcontractors and Owner representative, if available, to ensure they understand its contents. The HSC will ensure all employees sign the **Acknowledgement Form** as presented in **Attachment A**. Miami-Dade County will review and coordinate safety procedures with Owner's/Contractor's safety procedures, as available.

Where other employers are involved in the project, the HSC will advise any observed safety deficiencies by other employers on-site.

### 3.3 CERTIFICATES

All project staff, including subcontractors, are required to maintain the appropriate training and certifications for the position/job function they will be performing. Details of all certificates will be held in the person's file at the site by the individual's employer. Copies of the employee job/task specific certifications shall be present on-site for review. Similarly, details of other training certificates, such as First Aid, are held in the same files. The following documentation shall be in place:

- ▶ Required permits and certificates
- ▶ Fitness to work certificates
- ▶ Training certificates (e.g., First Aid)
- ▶ Working waste management systems

Personnel responsible for handling contaminated soil shall be 40 hour HAZWOPER trained.

### 3.4 DRUG AND ALCOHOL PROCEDURES

At NO TIME during this project will the use/abuse of drugs and/or alcohol be acceptable or permitted.

### 3.5 NEAR MISS REPORTING

The concept of the Near-Miss Reports is to learn from situations in which an incident "almost" occurred, but there was no injury or property damage in order to prevent such event from happening again.

All near misses must be reported promptly to the onboard HSC. The HSC will report near misses to the owner's representative and the Project Manager.

The HSC (or designate) shall investigate and complete an Incident Report.

## 4.0 FATIGUE MANAGEMENT

Fatigue is a state of being tired. It can be caused by long hours of work, long hours of physical or mental activity, inadequate rest, excessive stress, and/or combinations of these.

In some circumstances, extended working hours may lead to fatigue. As a means of addressing the workplace hazards that may be caused by fatigue, a fatigue management program (FMP) has been developed. The FMP reduces the risk through prevention, reporting procedures, monitoring for signs of fatigue, and regular review of the system.

The fatigue management program includes methods for dealing with fatigue including:

- ▶ Minimize extended hours of work when possible
- ▶ Schedule rest days when required
- ▶ Assess and control hazards and risks
- ▶ Provide an honest, open and healthy work environment
- ▶ Provide information and assistance
- ▶ Recognize individual and crew fatigue
- ▶ When possible, give as much notice as possible of extended work hours
- ▶ Define whether the work is urgent or not
- ▶ Ensure workers have access to water
- ▶ Have workers rotate and perform various functions of short duration during extended hours
- ▶ Perform complex tasks earlier in the shift, if possible
- ▶ Possibly start later the next day, after a long day
- ▶ Utilize the buddy system to identify fatigue issues
- ▶ In conjunction with employees, identify health problems which may affect an employee's ability to work extended hours.
- ▶ Be flexible and supportive when dealing with an employee with problems outside the workplace.
- ▶ Inform management/supervisor if a crew or individual has a concern working extended hours.
- ▶ Develop a process to identify and report when a crew or an individual is working extended hours and/or excessive consecutive days

Monitoring methods will be implemented by supervisors who will:

- ▶ Monitor worker hours of work through weekly forms submitted to the health and safety coordinator or supervisor
- ▶ Determine the need for extended hours
- ▶ Monitor workers when working extended hours for fatigue related concerns
- ▶ Address crew member concerns regarding working extended working hours
- ▶ Monitor supervisor/employee relationship

## 5.0 OCCUPATIONAL HEALTH

Occupational Health Management relates to measures taken to reduce developing occupational related health impacts.

Kimley-Horn will review all risk assessments and JSA's/AHA's to ensure all hazards are identified and are mitigated or controlled. An on-site evaluation will be performed to ensure that all parties are performing the task per their work procedures and following the applicable JSA/AHA for the task.

The following will be assessed during the risk assessment process where all risks will be identified, mitigated, or controlled:

Key Occupational Health hazards include:

- ▶ Chemical
- ▶ Physical (Noise)
- ▶ Environmental (air quality, extreme heat)
- ▶ Biological (Blood borne pathogens, disease, drugs, medical waste, etc.)
- ▶ Psychosocial (Workplace violence, stress, harassment)

### 5.1 CHEMICAL HAZARDS

The project site is known to contain the following chemicals of concern:

#### 5.1.1 ARSENIC

- The highest arsenic concentration identified at the site is 40.1 mg/kg, located at soil boring SB-BG-23
- Arsenic is a carcinogen that can affect your body if it is ingested or inhaled; exposure to airborne concentrations of inorganic arsenic may cause lung cancer and can be a skin irritant. Wash hands thoroughly before eating or smoking to minimize your risk for ingesting inorganic arsenic.

### 5.2 PHYSICAL HAZARDS

#### 5.2.1 UNDERGROUND UTILITY HAZARDS

As an experienced earthwork and underground utility company, the contractor is expected to conduct underground utility checks in accordance with all contractual obligations, current regulatory requirements, and best management practices contained in their internal policies and procedures.

#### 5.2.2 ELECTRICAL HAZARDS

Whenever possible, field personnel will avoid working under or over high-voltage lines. The client's responsible for documenting a determination of the voltage and minimum approach distance to any potentially energized electrical distribution line. Lines must be confirmed to be de-energized when

minimum approach distances cannot be met. Table 3 summarizes the minimum clearances for overhead high-voltage lines.

**Table 3:** Minimum clearances for overhead high voltage lines

Normal Voltage (phase to phase)	Minimum Required Clearance (ft)
Less than or equal to 50,000	10
More than 50,000	10 + 0.4 inch per kV

To prevent electrocution hazards from equipment, all electrical extension cords will be rated or listed for the combined amperage of the equipment they power and must be factory listed as rated SJOW or STOW (an "-A" extension is acceptable for either) and inspected prior to use for defects in the cord and plugs. Any reduction in the original jacket, gap between the strain relief, or any evidence of overheating (cord discoloration or melting) will result in the immediate destruction of the cord and replacement as necessary. The following safe work practices will also be enforced.

- No exposed energized conductors operating above 50 volts to ground will be allowed unless properly guarded from contact by unqualified persons.
- Electrical distribution systems and repairs to utilization equipment operating above 50 volts to ground will be performed only by a qualified licensed electrician.
- All portable power tools will be inspected for defects before use and be of a double-insulated design.
- Any generator brought to the work area will be grounded to a suitable earth and will be equipped with overcurrent protection.
- All extension cords running outside will be protected by a ground-fault circuit interrupter (GFCI), which will be tested daily.
- No extension cords will be routed through walls, ceilings, doors, or windows.

### 5.2.3 NOISE

The contractor shall require employees working on 8 hour shifts to wear hearing protection when the 8 hour time weighted average noise exposure levels exceeds 85 decibels (dB). Employees working a 12 hour shift shall wear hearing protection when the 12 hour time weighted average noise exposure level exceeds 83 dB. Workers should not be exposed to noise levels of 140 dB peak sound level.

### 5.2.4 HEAVY EQUIPMENT

Personnel working on site in the vicinity of operating equipment will wear high-visibility safety vests and maintain safe distances from the equipment to avoid contact with moving equipment parts, such as arms and buckets (be aware of swing radius), tires, tracks, etc. Site personnel will be sure heavy equipment operators can see them or know where they are whenever they are within strike distance of the equipment. Equipment will only be approached from the front or side, and eye contact will be made with the equipment operator and their acknowledgement that it is safe to approach will be obtained.

#### 5.2.5 SLIP/TRIP/FALL AND SHARPS/ABRASION

All field personnel will keep materials, equipment, and debris organized and flagged as necessary to prevent trip hazards. Field personnel will wear sturdy work boots or shoes at the site. Steel toed boots are required on site when working around heavy loads, heavy equipment, or in areas where construction debris is present. Field personnel will wear sturdy outer gloves when handling sharp or rough-surfaced objects such as functioning as truck tender cleaning metal surfaces of truck.

When entering and exiting heavy equipment, workers should maintain three points of contact to minimize potential for slips and falls from wet or muddy surfaces. Use caution on metal surfaces that may become wet or muddy. Clean surfaces regularly to prevent slip hazards.

#### 5.2.6 TRAFFIC HAZARDS

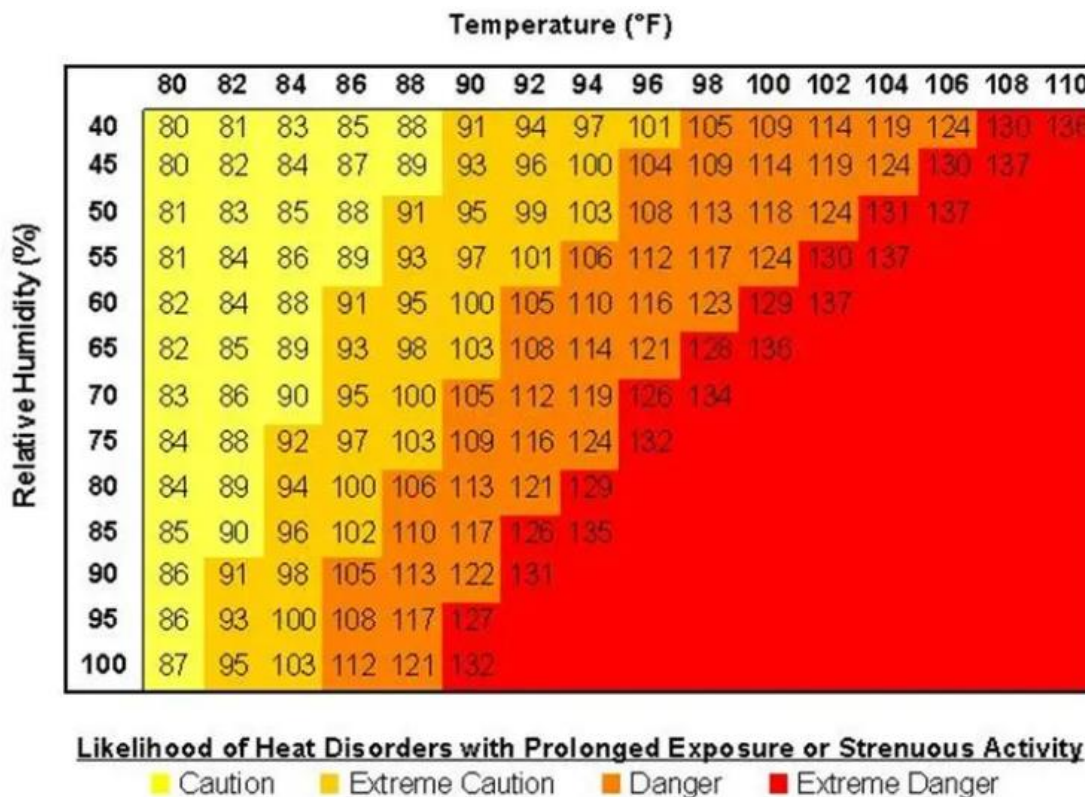
All personnel will wear high-visibility-traffic vests for improved visibility and high visibility marker cones will be used to divert traffic around work areas. High-visibility safety vests will be worn at all times.

### 5.3 ENVIRONMENTAL

#### 5.3.1 EXTREME TEMPERATURES

Southeast Florida can experience extreme temperatures that may cause heat stress. Heat stress, if not managed properly, can lead to sunburn, heat exhaustion and/or heat stroke. All can be severe medical conditions, and in extreme cases, heat stroke can be life threatening, if not treated properly.

The longer work is conducted in a hot environment, the better the body becomes at adjusting to the heat. To become acclimatized, it is recommended to progressively increase the exposure times in a hot environment, and/or gradually increase the physical demands of the job over a week or two. Health problems and/or physical conditions of the employee may warrant longer periods of acclimatization.



When there is a potential for exposure to heat stress, control measures must be taken to prevent heat exposure in the workplace. These include engineering controls, administrative controls and protective clothing. Heat stress will be evaluated as part of the on-going workplace evaluations. All personnel can prevent and/or minimize heat stress by:

- Staying well hydrated, beginning prior to the start of work, and throughout the work period
- Wearing light colored, loose fitting clothes
- Take more frequent rest breaks in the shade or an air-conditioned area
- Planning the workday to do the most physically demanding working during cooler times of the day
- Use of clothing and sunscreen to prevent sun exposure and sunburn from occurring

### 5.3.2 SUNBURN HAZARDS

Skin exposure to ultraviolet radiation can result in sunburn. Site personnel should use long-sleeved shirts, hats, and sunscreen, as needed, to protect against sunburn.

### 5.4 BLOODBORNE PATHOGENS/BIOLOGICAL HAZARDS

All trained field personnel who administer first aid and/or cardiopulmonary resuscitation (CPR) to injuries involving blood or certain other body fluids have the potential of being exposed to blood borne pathogens. Universal precautions should be used, and it will be assumed that in all situations involving exposure to blood products and human bodily fluids that the patient or subject could be infected with Human Immunodeficiency Virus (HIV), Hepatitis B Virus (HBV), and/or other blood borne pathogens.

### 5.5 PSYCHOSOCIAL HAZARDS



Psychosocial hazards include workplace violence and/or harassment. This includes all forms of harassment, bullying, intimidation, physical threats/assaults, robbery and other intrusive behaviors. Such actions or conditions create a fearful, intimidating, offensive or hostile work environment, and will not be tolerated in the work environment.

## 6.0 PROJECT RISK ASSESSMENT

### 6.1 SITE SPECIFIC HASP

A Site Specific HASP should be developed by the contractor in conjunction with this document.

### 6.2 SUMMARY OF WORK TASKS AND POTENTIAL HAZARDS

The project generally includes the following major work tasks described in scope of work. Although a more detailed risk assessment will be formulated for each task, the following table provides a general summary of the potential health & safety hazards associated with each task:

**Table 4:** Summary of Work Tasks and Potential Hazards

Task	Description	Work Activities	Concerns/Hazards
1	Excavation of contaminated soil	Workplace inspections Working heavy equipment Transfer and lifting of equipment Crane operations Removal of contaminated soil by machine Removal of contaminated soil by hand.	Slips/ trips / falls Hot/ Humid conditions Manual lifting Pinch points Working with machinery Entanglement Working with shovels Noise Contamination of equipment Air quality
2	Dewatering	Workplace inspections Working heavy equipment Transfer and lifting of equipment	Slips/ trips / falls Hot/ Humid conditions Manual lifting Pinch points Working with machinery Entanglement Noise Contamination of equipment

### 6.3 PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING

Personal Protective Equipment (PPE) will be worn by all staff, as required by the job specific activities.

Where required, employees shall wear CSA or ANSI or equivalent approved footwear, hard hats, safety glasses, and any specialty personal protective equipment identified by a risk assessment for a specific site or a task. In addition:

- ▶ All PPE shall be inspected by the user prior to its use in the field.
- ▶ Employees shall be properly trained in the proper use, fit, cleaning of, and maintenance of the PPE.
- ▶ All PPE must be used within their designed use, and within the requirements of the applicable safety legislation and ANSI/ASTM/CSA Standards.

- ▶ No PPE is to be modified or changed contrary to the manufacturer's instructions or specifications or the applicable legislation.
- ▶ All employees shall wear suitable clothing for the existing conditions and the work being performed. At a minimum this shall include OSHA Level D attire
- ▶ Employees shall wear appropriate gloves to protect their hands from workplace hazards, including hazardous materials, heat, cold, abrasion, and sharp edges.
- ▶ If use of a respirator is necessary, employees shall be required to be medically qualified, trained, and have a respirator fit test for the specific respirator being used.

A PPE matrix based on the operator's requirements will be posted at key locations across the site and PPE zones will be identified. Table 5 provides a list of anticipated PPEs based on the proposed excavation of soil.

**Table 5: Required Personal Protective Equipment (PPE)**

<b>PPE Required</b>	<b>Operator</b>	<b>Spotter</b>	<b>Truck Tender</b>
Steel-Toe/Shank Boots (Rubber)	0	0	0
Steel-Toe/Shank Boots (Leather)	X	X	X
Hard Hat	X	X	X
Safety Glasses/Goggles	X	X	X
Ear Plugs	X	X	X
Gloves (nitrile inner/leather outer):	X	X	X
Tyvek® Coverall (permeable)		X	X
High-visibility Vest	X	X	X
Other (specify) Long Pants	x	xx	x

Notes:

1. Gloves Types = Nitrile, Vinyl, Neoprene, Butyl is Combination OV and HEPA (Comb.)
2. Other -Specify

Abbreviations

0 = PPE Optional

X = PPE Required

## 6.4 EQUIPMENT SAFETY INFORMATION

Employees shall use the correct type and size of tool for the job. Makeshift or substitute tools shall not be used. Sharp edged and pointed tools shall be adequately guarded when not in use. Such tools

shall be carried in a carrying belt, tool pouch, or in the hand with the sharp edges or points held away from the body - not in a pocket.

## 6.5 SITE CONTROL

The purpose of site control is to minimize the potential exposure to site hazards, to prevent the spread of contamination, prevent vandalism at the site and access by children and other unauthorized persons, and to provide adequate facilities for workers. A daily field log will be maintained by the Site Supervisor (SS). The field log will include a list of all persons present and will be updated whenever a visitor or contractor is allowed on site. Their arrival and departure times will be noted to enable an accurate roll call to occur in the event of an emergency.

Work area controls and decontamination areas will be provided to limit the potential for chemical exposure associated with site activities. The support zone for the site is considered to be all areas outside the work area and decontamination areas. Readily available restroom and hand-washing facilities will be identified by the HSC and maintained in good hygienic conditions at all times.

## 7.0 DECONTAMINATION

Decontamination procedures will be strictly followed to prevent off-site spread of site contaminants. If at all possible, the safe zone (SZ) and contamination reduction zone (CRZ) should be located so that they are upwind of the exclusion zone (EZ) to prevent potential contamination from being carried downwind to individuals not protected by respirators and protective clothing. If upwind is not feasible, crosswind is the second best option. Field staff should monitor wind direction for changes that may require site reconfiguration.

### 7.1 PERSONAL DECONTAMINATION PROCEDURES

Drop hand-held equipment on a disposable plastic sheet. Use a small broom or brush if needed to brush off loose soils adhering to equipment and PPE surfaces. Remove seam tape (if used), then remove Tyvek coveralls (if used). Invert and remove outer gloves and disposable inner gloves without touching the exterior of the gloves. Finally, place all contaminated PPE in plastic bags or drums provided at the CRZ.

If Tyvek® booties were not worn, step into a small tub and wash boot exteriors with soap and water, if visibly contaminated. Wash hands and face with soap and water, and rinse off with clean water before eating, drinking, or smoking, and at the end of the workday. Collect wash water and reinstate (separately) for characterization and proper disposal.

### 7.2 DECONTAMINATION PROCEDURES OF TOOLS

For tools, position the equipment on a sufficient area of disposable plastic sheeting. Workers decontaminating tools should don appropriate gloves prior to decon and wash with soap and water after removing gloves and the end of the task. Begin decontamination by using a broom or brush to clean off loose soils adhering to potentially contaminated surfaces if they are visibly contaminated. Hand tools should be cleaned using a three-step wash using three 5-gallon buckets with 1-gallon of detergent and water, and two buckets for rinsing with 1-gallon of water each. The buckets will be set out on polyethylene plastic sheeting and all spills contained.

### 7.3 EFFECTIVENESS OF DECONTAMINATION

The effectiveness of decontamination procedures will be visibly assessed by the HSC initially for each person exiting the EZ and CRZ. Workers assisting with the decon process must decontaminate themselves prior to leaving the CRZ and entering the SZ. At the end of each day, the decontamination area will be either broken down or secured as needed to prevent the spread of contamination by animals or unauthorized personnel entering the area.

## 8.0 EMERGENCY RESPONSE

This section defines the emergency action plan for the site. It will be rehearsed with all work area personnel and reviewed with visitors upon their initial visit to the work area, and whenever the plan is modified, or the HSC believes that field personnel are unclear about the appropriate emergency actions.

A muster point of refuge will be identified by the HSC and communicated to the field team each day. This point will be clear of adjacent hazards and preferably up- or crosswind for the entire day. In an emergency, all field personnel and visitors will evacuate to the muster point for roll call versus the daily log. It is important that each person present understands his or her role in an emergency, and that they remain calm and act efficiently to ensure everyone's safety.

After any emergency is resolved, the entire project team will meet and debrief on the incident. The purpose is not to fix blame, but to improve the planning and response to future emergencies. The debriefing will review the sequence of events, what was done well, and what can be improved. The debriefing will be documented in a written format and communicated to the HSC. Modifications to the emergency plan will be approved by the HSC.

Reasonably foreseeable emergency situations include medical emergencies, accidental release of hazardous materials (such as gasoline or diesel) or hazardous waste, and general emergencies such as fire, thunderstorm, flooding, and earthquake. Expected actions for each potential incident are outlined below.

### 8.1 MEDICAL EMERGENCIES

In the event of a medical emergency, the following procedures should be used.

1. Evaluate the surrounding environment and approach the injured worker, if safe to do so
2. Stop any imminent hazard if you can safely do it
3. Remove ill, injured or exposed person(s) from immediate danger if moving them will clearly not cause them harm, and no hazards exist to the rescuers.
4. Evacuate other on-site personnel to a safe place in an upwind or crosswind direction until it is safe for work to resume.
5. Contact Emergency Management
6. Trained personnel may provide first aid/CPR if it is necessary and safe to do so.
7. Remove contaminated clothing and PPE only if this can be done without endangering the injured person.
8. Contact the Primary Contractor's HSC.
9. Call the PM.
10. Immediately implement steps to prevent recurrence of the accident.

A map showing the location of the nearest hospital with driving directions is provided as **Exhibit B**.

Hospital/Emergency Room: **Jackson South Medical Center**  
**9333 SW 152<sup>nd</sup> Street**  
**Miami, Florida 33157**  
**305-251-2500**

Telephone number of nearest Poison Control Center: (800)-222-1222

## 8.2 GENERAL EMERGENCIES

In the case of fire, rapid flooding, explosion, or other imminent hazard, work shall be halted, and emergency procedures shall be followed.

- In the event of a thunderstorm, outdoor work will be discontinued until the threat of lightning has abated.
- During the incipient phase of a fire, a fire extinguisher(s) may be used by persons trained in putting out fires, if it is safe for them to do so.

## 8.3 EMERGENCY COMMUNICATIONS

In any emergency, all personnel will evacuate to the designated refuge area and await further instruction.

## 8.4 EMERGENCY EQUIPMENT

The following minimum emergency equipment will be readily available on site and functional at all times:

- Fire extinguishers
- First Aid Kit-Contents approved by the HSC, including two blood-borne pathogen barriers.
- Two spare sets of PPE suitable for entering the EZ (if an EZ is established)
- A copy of the current site-specific health and safety plan.



## 9.0 TRAFFIC/JOURNEY MANAGEMENT

Miami-Dade County is committed to reducing travel-based risks through effective management, risk identification, and mitigation as part of the HSE management process. Journey Management applies to all regular, light vehicle road journeys in the conduct of Miami-Dade County business on public roads in high-risk geographies (e.g., journey of 2 hours or more in areas known to have limited or no cellular phone coverage, or unique and unusual driving hazards or vehicle requirements). Risk mitigation measures include:

- ▶ Road journeys should only be undertaken where deemed necessary for the achievement of business objectives and after any safer journey options have been excluded (e.g., air, rail, teleconference).
- ▶ Journey Risk Management Plans (JRMP's) will include documenting the identified risk factors and corresponding mitigating measures on routes.
- ▶ A process should be in place to recognize temporary hazards and inform drivers on a timely basis, or to review the appropriateness of the route.
- ▶ Drivers will have been properly trained and advised of the contents of the JRMP for the journey they are about to undertake and completed JRMP's will be readily accessible to drivers at the point of departure.
- ▶ Drivers will be rested and alert (not suffering from tiredness or fatigue) prior to the journey commencing.
- ▶ Drivers must carry an effective method of communication for emergency purposes.
- ▶ Rest breaks should be taken to reduce fatigue and strain

## 10.0 EMERGENCY CONTACT LIST

**Project Name/Number:** Town of Cutler Bay (305) 234-4262

**Location:** Town of Cutler Bay, Florida

**Prime Contractor:**

Primary Contractor Office Contact Numbers				
Contact	Office	Fax	Cell	E-Mail
Unit Manager				
<b>Project Manager</b>				
Assistant Project Manager				
Unit HSSE Manager				
VP HSSE				
Primary Contractor Field Team Contact Numbers				
Contact	Office	Home	Cell	E-Mail
Emergency Services / Hospital				
	Contact Numbers	Location		
Work Care (Medical/Injury Advice)				
D&A:				
Ambulance	911			
Police	911			
Fire	911			
Miami-Dade County Contacts				
Contact	Office	Fax	Cell	E-Mail

Location of Safety Kit & Equipment*	
Type of Safety Kit or Equipment	Location

Location of MSDS Sheets Communication Type and Location	
MSDS	Location

Location of Toilet Facility	
Toilets	Locations

Qualified First Aiders on-site (names)	
Persons Qualified in First Aid	Persons Qualified in CPR

\*Copy of Legislation, first aid kit, fire extinguishers, eye wash, spill response, etc.

## ATTACHMENT A

### HEALTH AND SAFETY PLAN ACKNOWLEDGEMENT

I have read the Health and Safety Plan (HASP) and acknowledge that I understand its contents and requirements to safely complete work on the project. I understand my role and know who to ask if I have questions. I understand that this document is subject to change and is routinely updated. It is my responsibility to familiarize myself with this document regularly. I have the training to complete my job safely and will report any unsafe conditions. Should I experience or witness an unsafe act or condition, I will report it to the appropriate Health and Safety Coordinator (HSC).

Name (Print)

Signature

Date

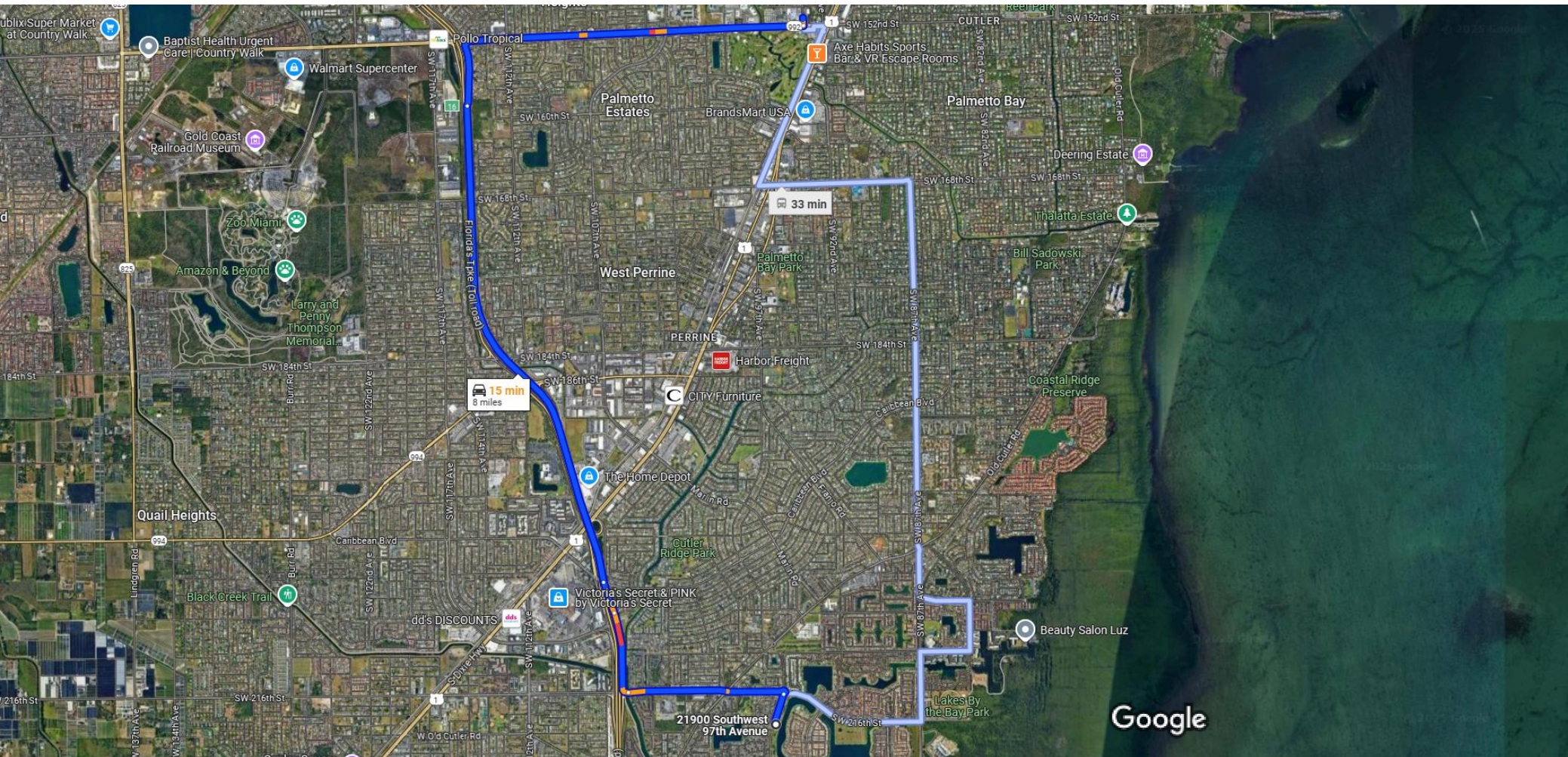



# ATTACHMENT B



21900 SW 97th Ave, Cutler Bay, FL 33189 to Jackson South Medical Ctr,  
9333 SW 152nd St, Miami, FL 33157

Drive 8.0 miles, 15 min



Imagery ©2025 Airbus, Landsat / Copernicus, Maxar Technologies, Map data ©2025 Google 2000 ft

21900 SW 97th Ave  
Cutler Bay, FL 33189


This route has tolls.

Get on Florida's Tpk from SW 216th St/Hainlin Mill Dr  
and E Frontage Rd


5 min (2.0 mi)

↑ 1. Head north on SW 97th Ave toward SW 219th St


0.2 mi

-  2. At the traffic circle, take the 3rd exit onto SW 216th St/Hainlin Mill Dr  

---

1.0 mi
-  3. Use the right 2 lanes to turn right onto E Frontage Rd  



---

0.5 mi
-  4. Use the left lane to take the Florida Tpke N ramp  



---

0.2 mi


Follow Florida's Tpke and FL-992 E/SW 152nd St/Coral Reef Dr to SW 93rd Ave in Palmetto Estates

-  5. Merge onto Florida's Tpke  
 Toll road  

---

8 min (5.9 mi)
-  6. Take exit 16 to merge onto FL-992 E/SW 152nd St/Coral Reef Dr  
 Pass by McDonald's (on the left in 0.6 mi)  

---

2.6 mi
-  7. Turn left onto SW 93rd Ave  

---

19 sec (279 ft)

Jackson South Medical Ctr  
9333 SW 152nd St, Miami, FL 33157



Plotted By: Sidi, Naja - Sheet Set: SW 97 AVE LINEAR PK - Layout: L1.00 TREE DISPOSITION PLAN - June 03, 2025 02:07:35pm - K:\FTL\URS\043145125 - sw 97 ave linear pk\CAD\Drawings\TREE DISPOSITION PLAN.dwg

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XXX—●

EXISTING  
TREE/PALM

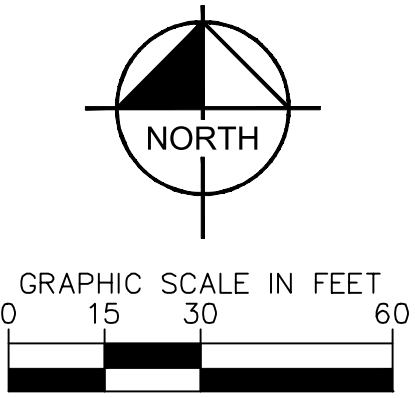
○

\*\*TREE/PALM  
PROTECTION  
ZONE

⊗

TREE TO BE  
REMOVED

**\*\*TREE PROTECTION NOTE:**  
PER SECTION 14-20.C  
NO PAVEMENT, GRAVEL, SOIL,  
OR OTHER MATERIAL SHALL  
BE PLACED WITHIN A MINIMUM  
OF 12 FEET OF ANY PUBLIC TREE  
OR TO THE EDGE OF THE TREE  
CANOPY, WHICHEVER DISTANCE  
IS GREATER. APPROXIMATE LIMITS  
OF TREE PROTECTION ZONES SHOWN  
ON PLAN.



BLUE HERON PARK  
TDP PLANS  
PREPARED FOR  
TOWN OF CUTLER BAY  
CUTLER BAY FL

PROJECT  
043145125  
DATE  
06.02.2025  
SCALE  
AS SHOWN  
DESIGNED BY  
NS  
DRAWN BY  
NS  
CHECKED BY  
NS

THOMAS C. HORN  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF FLORIDA  
No. 12506  
Exp. 12/31/2026  
Date: 06/03/2025

Digitally signed by Thomas C. Horn  
DN: cn=Thomas C. Horn, o=Kimley-Horn and Associates, ou=Kimley-Horn and Associates, email=thomas.c.horn@kimley-horn.com, c=US

Kimley»Horn

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PHONE: 954-535-5100 FAX: 954-739-2247  
WWW.KIMLEY-HORN.COM REGISTRY No. 696

REVISIONS

No.	DATE	BY

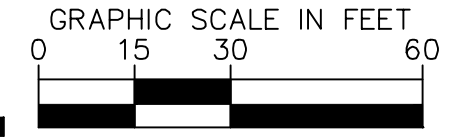
Page 65 of 74




MATCHLINE SEE SHEET L1.02 FOR CONTINUATION



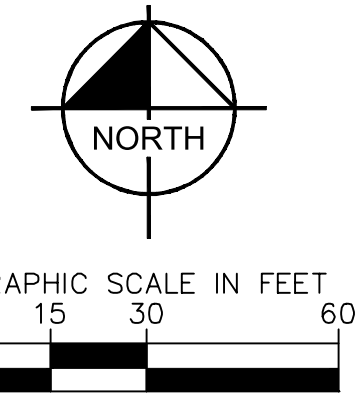
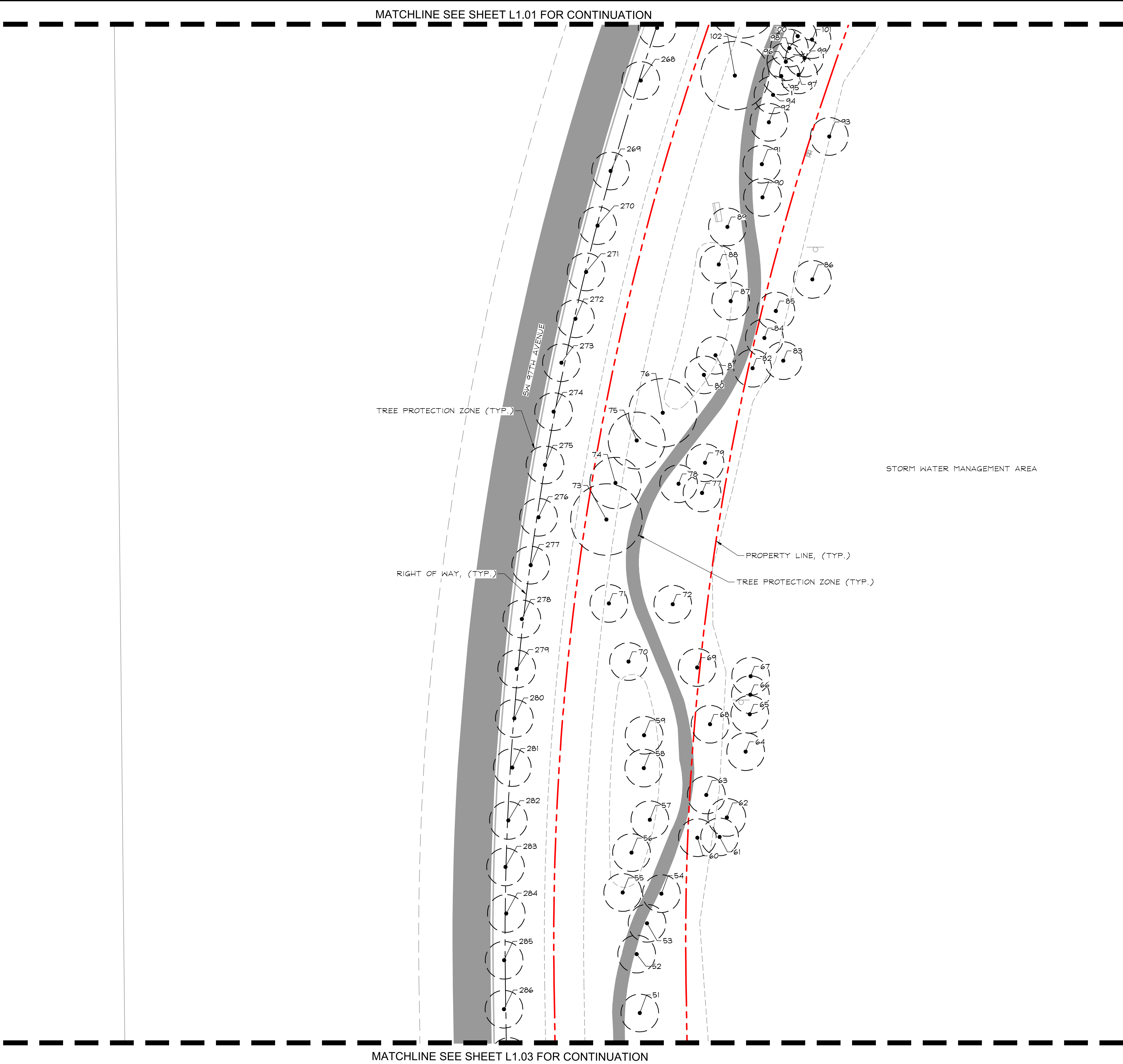
- \*\*TREE PROTECTION NOTE:  
 PER SECTION 14-20.C  
 NO PAVEMENT, GRAVEL, SOIL,  
 OR OTHER MATERIAL SHALL  
 BE PLACED WITHIN A MINIMUM  
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 OR TO THE EDGE OF THE TREE  
 CANOPY, WHICHEVER DISTANCE  
 IS GREATER. APPROXIMATE LIMITS  
 OF TREE PROTECTION ZONES SHOWN  
 ON PLAN.



SHEET NUMBER	L1.01
BLUE HERON PARK TDP PLANS PREPARED FOR TOWN OF CUTLER BAY CUTLER BAY FL	TREE DISPOSITION PLAN
KHA PROJECT 04-3145125 DATE 06.02.2025 SCALE AS SHOWN DESIGNED BY NS DRAWN BY NS CHECKED BY NS	<div style="text-align: right;">  <p>THOMAS C. KIMLEY-HORN, P.E. No. 696 STATE OF FLORIDA</p> </div> <p>© 2025 KIMLEY-HORN AND ASSOCIATES, INC. 8201 PETERS ROAD, SUITE 5100 PLANTATION, FL 33324 PHONE: 954-535-5100 FAX: 954-739-2247 WWW.KIMLEY-HORN.COM REGISTRY No. 696</p> <p>Digitally signed by Reg Thomas C. Kimley-Horn on 06.02.2025 at 11:11 AM DN: cn=Kimley-Horn and As o=Kimley-Horn and As ou=Kimley-Horn and As c=US, email=kimley-hor @kimley-horn.com, ou=K imley-Horn and Associat es, o=Kimley-Horn and A ssociates, ou=Kimley-H orn and Associates, c=U S</p> <p>DATE: 06/02/2025 TIME: 11:11 AM</p>
	<p><b>Kimley»Horn</b></p> <p>No. DATE BY</p> <p>REVISIONS</p>

Plotted By: Srid, Naga - Sheet Set: SW 97 AVE LINEAR PK - Layout: L1.02 TREE DISPOSITION PLAN - June 03, 2025 02:07:42pm - K:\FTL\URS\043145125 - sw 97 ave linear pk\CAD\Drawings\TREE DISPOSITION PLAN.dwg

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XXX—●	EXISTING TREE/PALM
○	**TREE/PALM PROTECTION ZONE
⊗	TREE TO BE REMOVED

**\*\*TREE PROTECTION NOTE:**  
PER SECTION 14-20.C  
NO PAVEMENT, GRAVEL, SOIL, OR OTHER MATERIAL SHALL BE PLACED WITHIN A MINIMUM OF 12 FEET OF ANY PUBLIC TREE OR TO THE EDGE OF THE TREE CANOPY, WHICHEVER DISTANCE IS GREATER. APPROXIMATE LIMITS OF TREE PROTECTION ZONES SHOWN ON PLAN.

BLUE HERON PARK TDP PLANS PREPARED FOR TOWN OF CUTLER BAY CUTLER BAY FL	TREE DISPOSITION PLAN	KHA PROJECT 043145125 DATE 06.02.2025 SCALE AS SHOWN DESIGNED BY NS DRAWN BY NS CHECKED BY NS	L THOMAS C. HORN, P.E. REGISTERED PROFESSIONAL ENGINEER STATE OF FLORIDA EXPIRATION DATE 06.03.14 06/03/14 04:00 PM	Kimley»Horn © 2025 KIMLEY-HORN AND ASSOCIATES, INC. 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324 PHONE: 954-535-5100 FAX: 954-739-2247 WWW.KIMLEY-HORN.COM	No.	REVISIONS	DATE	BY

SHEET NUMBER  
**L1.02**







Tree #	Common Name	Scientific Name	Canopy Diameter (ft.)	CT (ft.)	DBH (in.)	TPZ (ft.)	Health Condition	Disposition
1	Royal Palm	<i>Roystonea regia</i>		22		12 ft.	Good	REMAIN
2	Magnolia	<i>magnolia grandiflora</i>				12 ft.	Good	REMAIN
3	Magnolia	<i>magnolia grandiflora</i>				12 ft.	Good	REMAIN
4	Magnolia	<i>magnolia grandiflora</i>				12 ft.	Good	REMAIN
5	Royal Palm	<i>Roystonea regia</i>				12 ft.	Good	REMAIN
6	Mahogany	<i>Swietenia mahagoni</i>				12 ft.	Good	REMAIN
7	Java Plum	<i>Syzygium cumini</i>				12 ft.	Good	REMAIN
8	Java Plum	<i>Syzygium cumini</i>				12 ft.	Good	REMAIN
9	Bald Cypress	<i>Taxodium distichum</i>				12 ft.	Good	REMAIN
10	Bald Cypress	<i>Taxodium distichum</i>				12 ft.	Good	REMAIN
11	Bald Cypress	<i>Taxodium distichum</i>				12 ft.	Good	REMAIN
12	Gumbo Limbo	<i>Bursera simaruba</i>				12 ft.	Good	REMAIN
13	Gumbo Limbo	<i>Bursera simaruba</i>				12 ft.	Good	REMAIN
14	Gumbo Limbo	<i>Bursera simaruba</i>				12 ft.	Good	REMAIN
15	Gumbo Limbo	<i>Bursera simaruba</i>				12 ft.	Good	REMAIN
16	unknown		15		15			
17	unknown			17		17 ft.	Good	REMAIN
18	Live Oak	<i>Quercus virginiana</i>	20		12	20 ft.	Good	REMAIN
19	Live Oak	<i>Quercus virginiana</i>			15	12 ft.	Good	REMAIN
20	Live Oak	<i>Quercus virginiana</i>			18	12 ft.	Good	REMAIN
21	Live Oak	<i>Quercus virginiana</i>			18	12 ft.	Good	REMAIN
22	Live Oak	<i>Quercus virginiana</i>			19	12 ft.	Good	REMAIN
23	Cabbage Palm	<i>Sabal palmetto</i>		22		12 ft.	Good	REMAIN
24	Cabbage Palm	<i>Sabal palmetto</i>				12 ft.	Good	REMAIN
25	Cabbage Palm	<i>Sabal palmetto</i>		22		12 ft.	Good	REMAIN
26	Cabbage Palm	<i>Sabal palmetto</i>				12 ft.	Good	REMAIN
27	Cabbage Palm	<i>Sabal palmetto</i>		22		12 ft.	Good	REMAIN
28	Royal Palm	<i>Roystonea regia</i>		22		12 ft.	Good	REMAIN
29	Royal Palm	<i>Roystonea regia</i>		22		12 ft.	Good	REMAIN
30	Royal Palm	<i>Roystonea regia</i>		22		12 ft.	Good	REMAIN
31	Royal Palm	<i>Roystonea regia</i>		22		12 ft.	Good	REMAIN
32	Royal Palm	<i>Roystonea regia</i>		22		12 ft.	Good	REMAIN
33	Royal Palm	<i>Roystonea regia</i>		22		12 ft.	Good	REMAIN
34	Royal Palm	<i>Roystonea regia</i>		22		12 ft.	Good	REMAIN
35	Royal Palm	<i>Roystonea regia</i>		22		12 ft.	Good	REMAIN
36	Royal Palm	<i>Roystonea regia</i>		22		12 ft.	Good	REMAIN
37	Royal Palm	<i>Roystonea regia</i>		22		12 ft.	Good	REMAIN
38	Royal Palm	<i>Roystonea regia</i>		22		12 ft.	Good	REMAIN
39	Unknown		5		4			
40	Unknown		5		4			
41	Unknown		5		4			
42	Magnolia	<i>magnolia grandiflora</i>	42		18	42 ft.	Good	REMAIN
43	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN
44	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN
45	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN
46	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN
47	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN
48	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN
49	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN
50	Live Oak	<i>Quercus virginiana</i>	38		24			
51	Royal Poinciana	<i>Delonix regia</i>	12		17	12 ft.	Good	REMAIN
52	Royal Poinciana	<i>Delonix regia</i>	15		17	15 ft.	Good	REMAIN
53	Royal Poinciana	<i>Delonix regia</i>	16		17	16 ft.	Good	REMAIN
54	Royal Poinciana	<i>Delonix regia</i>	14		17	14 ft.	Good	REMAIN
55	Magnolia	<i>magnolia grandiflora</i>	10		6	12 ft.	Good	REMAIN
56	Magnolia	<i>magnolia grandiflora</i>	8		6	12 ft.	Good	REMAIN
57	Magnolia	<i>magnolia grandiflora</i>	8		6	12 ft.	Good	REMAIN
58	Bottlebrush Tree	<i>Mealeuca viminalis</i>	8		12	12 ft.	Good	REMAIN
59	Bottlebrush Tree	<i>Mealeuca viminalis</i>	6		10	12 ft.	Good	REMAIN
60	Queen Palm	<i>Syagrus romanzoffiana</i>		15		12 ft.	Good	REMAIN
61	Queen Palm	<i>Syagrus romanzoffiana</i>		18		12 ft.	Good	REMAIN
62	Queen Palm	<i>Syagrus romanzoffiana</i>		18		12 ft.	Good	REMAIN
63	Queen Palm	<i>Syagrus romanzoffiana</i>		18		12 ft.	Good	REMAIN
64	Magnolia	<i>magnolia grandiflora</i>	6		8	12 ft.	Good	REMAIN
65	Butterwood	<i>Conocarpus erectus</i>	3		4	12 ft.	Good	REMAIN
66	Butterwood	<i>Conocarpus erectus</i>	3		4	12 ft.	Good	REMAIN
67	Butterwood	<i>Conocarpus erectus</i>	3		4	12 ft.	Good	REMAIN
68	Gumbo Limbo	<i>Bursera simaruba</i>	3		4	12 ft.	Good	REMAIN
69	Gumbo Limbo	<i>Bursera simaruba</i>	4		4	12 ft.	Good	REMAIN
70	Gumbo Limbo	<i>Bursera simaruba</i>	4		4	12 ft.	Good	REMAIN
71	Gumbo Limbo	<i>Bursera simaruba</i>	4		4	12 ft.	Good	REMAIN
72	Gumbo Limbo	<i>Bursera simaruba</i>	6		6	12 ft.	Good	REMAIN
73	Live Oak	<i>Quercus virginiana</i>	22		25	22 ft.	Good	REMAIN
74	Live Oak	<i>Quercus virginiana</i>	18		25	18 ft.	Good	REMAIN
75	Live Oak	<i>Quercus virginiana</i>	8			12 ft.	Good	REMAIN
76	Live Oak	<i>Quercus virginiana</i>	30		25			
77	Coconut Palm	<i>Cocos nucifera</i>		15		12 ft.	Good	REMAIN
78	Coconut Palm	<i>Cocos nucifera</i>		15		12 ft.	Good	REMAIN
79	Coconut Palm	<i>Cocos nucifera</i>		15		12 ft.	Good	REMAIN
80	Coconut Palm	<i>Cocos nucifera</i>		18		12 ft.	Good	REMAIN
81	Coconut Palm	<i>Cocos nucifera</i>		18		12 ft.	Good	REMAIN
82	Coconut Palm	<i>Cocos nucifera</i>		18		12 ft.	Good	REMAIN
83	Coconut Palm	<i>Cocos nucifera</i>		12		12 ft.	Good	REMAIN
84	Coconut Palm	<i>Cocos nucifera</i>		18		12 ft.	Good	REMAIN
85	Coconut Palm	<i>Cocos nucifera</i>		18		12 ft.	Good	REMAIN
86	Weeping Willow	<i>Salix babylonica</i>	12		6	12 ft.	Good	REMAIN
87	Magnolia	<i>magnolia grandiflora</i>	12		6	12 ft.	Good	REMAIN
88	Magnolia	<i>magnolia grandiflora</i>	12		8	12 ft.	Good	REMAIN
89	Magnolia	<i>magnolia grandiflora</i>	12		6	12 ft.	Good	REMAIN
90	Royal Poinciana	<i>Delonix regia</i>	15		14	15 ft.	Good	REMAIN
91	Royal Poinciana	<i>Delonix regia</i>	8			12 ft.	Poor	REMAIN
92	Royal Poinciana	<i>Delonix regia</i>	10		12	12 ft.	Good	REMAIN
93	Coconut Palm	<i>Cocos nucifera</i>		10		12 ft.	Good	REMAIN
94	Royal Poinciana	<i>Delonix regia</i>	6		10	12 ft.	Poor	REMAIN
95	Cabbage Palm	<i>Sabal palmetto</i>		30		12 ft.	Good	REMAIN
96	Cabbage Palm	<i>Sabal palmetto</i>		30		12 ft.	Good	REMAIN
97	Cabbage Palm	<i>Sabal palmetto</i>		30		12 ft.	Good	REMAIN
98	Cabbage Palm	<i>Sabal palmetto</i>		30		12 ft.	Good	REMAIN
99	Cabbage Palm	<i>Sabal palmetto</i>		30		12 ft.	Good	REMAIN
100	Cabbage Palm	<i>Sabal palmetto</i>		30		12 ft.	Good	REMAIN

LEGEND:  
DBH (in.): DIAMETER AT BREAST HEIGHT; MEASURED IN INCHES  
CT (ft.): CLEAR TRUNK; MEASURED IN FEET  
TPZ (ft.): TREE PROTECTION ZONE; MEASURED IN FEET

Tree #	Common Name	Scientific Name	Canopy Diameter (ft.)	CT (ft.)	DBH (in.)	TPZ (ft.)	Health Condition	Disposition	
101	Cabbage Palm	<i>Sabal palmetto</i>		31		12 ft.	Good	REMAIN	
102	Live Oak	<i>Quercus virginiana</i>	40		22	40 ft.	Good	REMAIN	
103	Live Oak	<i>Quercus virginiana</i>	40		18	40 ft.	Good	REMAIN	
104	Royal Palm	<i>Roystonea regia</i>		22		12 ft.	Good	REMAIN	
105	Royal Palm	<i>Roystonea regia</i>		22		12 ft.	Good	REMAIN	
106	Royal Palm	<i>Roystonea regia</i>		22		12 ft.	Good	REMAIN	
107	Royal Palm	<i>Roystonea regia</i>		22		12 ft.	Good	REMAIN	
108	Royal Palm	<i>Roystonea regia</i>		22		12 ft.	Good	REMAIN	
109	Royal Palm	<i>Roystonea regia</i>		22		12 ft.	Good	REMAIN	
110	Royal Palm	<i>Roystonea regia</i>		22		12 ft.	Good	REMAIN	
111	Unknown					12 ft.	poor	REMAIN	
112	Unknown					12 ft.	poor	REMAIN	
113	Unknown					12 ft.	poor	REMAIN	
114	Royal Palm	<i>Roystonea regia</i>		22		12 ft.	Good	REMAIN	
115	Royal Palm	<i>Roystonea regia</i>		23		12 ft.	Good	REMAIN	
116	Royal Palm	<i>Roystonea regia</i>		24		12 ft.	Good	REMAIN	
117	Live Oak	<i>Quercus virginiana</i>	50		30	50 ft.	Good	REMAIN	
118	Cabbage Palm	<i>Sabal palmetto</i>		20		12 ft.	Good	REMAIN	
119	Cabbage Palm	<i>Sabal palmetto</i>		20		12 ft.	Good	REMAIN	
120	Cabbage Palm	<i>Sabal palmetto</i>		20		12 ft.	Good	REMAIN	
121	Cabbage Palm	<i>Sabal palmetto</i>		20		12 ft.	Dead	DEAD	
122	Cabbage Palm	<i>Sabal palmetto</i>		20		12 ft.	Good	REMAIN	
123	Coconut Palm	<i>Cocos nucifera</i>		12		12 ft.	Good	REMAIN	
124	Coconut Palm	<i>Cocos nucifera</i>		12		12 ft.	Good	REMAIN	
125	Live Oak	<i>Quercus virginiana</i>	4		3	12 ft.	Good	REMAIN	
126	Coconut Palm	<i>Cocos nucifera</i>		15		12 ft.	Good	REMAIN	
127	Live Oak	<i>Quercus virginiana</i>	30		12	30 ft.	Good	REMAIN	
128	Cabbage Palm	<i>Sabal palmetto</i>		8		12 ft.	Good	REMAIN	
129	Live Oak	<i>Quercus virginiana</i>	6		4	12 ft.	Good	REMAIN	
130	Coconut Palm	<i>Cocos nucifera</i>		4		12 ft.	bert trunk	REMAIN	
131	Live Oak	<i>Quercus virginiana</i>	4		15	4	12 ft.	Good	REMAIN
132	Coconut Palm	<i>Cocos nucifera</i>				12 ft.	Good	REMAIN	
133	Royal Poinciana	<i>Delonix regia</i>	50		28	50 ft.	Good	REMAIN	
134	Bottlebrush Tree	<i>Mealeuca viminalis</i>	12		12	12 ft.	Good	REMAIN	
135	Bottlebrush Tree	<i>Mealeuca viminalis</i>	6		6	12 ft.	Good	REMAIN	
136	Bottlebrush Tree	<i>Mealeuca viminalis</i>	18		12	18 ft.	Good	REMAIN	
137	Coconut Palm	<i>Cocos nucifera</i>		18		12 ft.	Good	REMAIN	
138	Live Oak	<i>Quercus virginiana</i>	15		18	15 ft.	Good	REMAIN	
139	Coconut Palm	<i>Cocos nucifera</i>		15		12 ft.	Good	REMAIN	
140	Bottlebrush Tree	<i>Mealeuca viminalis</i>	10		18	12 ft.	Good	REMAIN	
141	Cabbage Palm	<i>Sabal palmetto</i>		18		12 ft.	Good	REMAIN	
142	Cabbage Palm	<i>Sabal palmetto</i>		18		12 ft.	Good	REMAIN	
143	Cabbage Palm	<i>Sabal palmetto</i>		18		12 ft.	Good	REMAIN	
144	Cabbage Palm	<i>Sabal palmetto</i>		18		12 ft.	Good	REMAIN	
145	Cabbage Palm	<i>Sabal palmetto</i>		18		12 ft.	Good	REMAIN	
146	Unknown			12		8	12 ft.	Good	REMAIN
147	Live Oak	<i>Quercus virginiana</i>	20		16	20 ft.	Good	REMAIN	
148	Unknown			14		14	25 ft.	Good	REMAIN
149	Mahogany	<i>Swietenia mahagoni</i>	14		8	14 ft.	Good	REMAIN	
150	Live Oak	<i>Quercus virginiana</i>	20		14	20 ft.	Good	REMAIN	
151	Cabbage Palm	<i>Sabal palmetto</i>		15		12 ft.	Good	REMAIN	
152	Cabbage Palm	<i>Sabal palmetto</i>		15		12 ft.	Good	REMAIN	
153	Unknown					12 ft.	Good	REMAIN	
154	Unknown		15		14	15 ft.	Good	REMAIN	
155	Live Oak	<i>Quercus virginiana</i>	20		20	20 ft.	Good	REMAIN	
156	Coconut Palm	<i>Cocos nucifera</i>		16		12 ft.	Good	REMAIN	
157	Coconut Palm	<i>Cocos nucifera</i>		16		12 ft.	Good	REMAIN	
158	Coconut Palm	<i>Cocos nucifera</i>		16		12 ft.	Good	REMAIN	
159	Coconut Palm	<i>Cocos nucifera</i>		16		12 ft.	Good	REMAIN	
160	Coconut Palm	<i>Cocos nucifera</i>		16		12 ft.	Good	REMAIN	
161	Coconut Palm	<i>Cocos nucifera</i>		16		12 ft.	Good	REMAIN	
162	Mahogany	<i>Swietenia mahagoni</i>	20		14	20 ft.	Good	REMAIN	
163	Live Oak	<i>Quercus virginiana</i>	25		20	25 ft.	Good	REMAIN	
164	Live Oak	<i>Quercus virginiana</i>	20		20	20 ft.	Good	REMAIN	
165	Unknown		4		4	12 ft.	Good	REMAIN	
166	Cabbage Palm	<i>Sabal palmetto</i>		15		12 ft.	Good	REMAIN	
167	Unknown		4		4	12 ft.	Good	REMAIN	
168	Dead Palm					12 ft.	Dead	DEAD	
169	Live Oak	<i>Quercus virginiana</i>	30		18	30 ft.	Good	REMAIN	
170	Live Oak	<i>Quercus virginiana</i>	30		16	30 ft.	Good	REMAIN	
171	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
172	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
173	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
174	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
175	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
176	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
177	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
178	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
179	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
180	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
181	Unknown					12 ft.	Good	REMAIN	
182	Unknown					12 ft.	Good	REMAIN	
183	Unknown					12 ft.	Good	REMAIN	
184	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
185	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
186	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
187	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
188	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
189	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
190	Buttonwood	<i>Conocarpus erectus</i>	17		18	17 ft.	Good	REMAIN	
191	Royal Poinciana	<i>Delonix regia</i>	60		30	60 ft.	Good	REMAIN	
192	Gumbo Limbo	<i>Bursaria sinaruba</i>	5		4	12 ft.	Good	REMAIN	
193	Gumbo Limbo	<i>Bursaria sinaruba</i>	4		4	12 ft.	Good	REMAIN	
194	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
195	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
196	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
197	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
198	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
199	Cabbage Palm	<i>Sabal palmetto</i>		25		12 ft.	Good	REMAIN	
200	Gumbo Limbo	<i>Bursaria sinaruba</i>	6		6	12 ft.	Good	REMAIN	





**SOIL REMEDIATION PROJECT  
BLUE HERON PARK  
ITB No. 25-06  
29100 SW 97 Avenue  
Folio No. 36-6016-027-0010**

**BID DUE DATE & TIME**

Thursday, June 12, 2025  
At 1:00 P.M. EST.

**TOWN OF CUTLER BAY  
SOIL REMEDIATION PROJECT FOR BLUE HERON PARK  
ITB No. 25-06  
29100 SW 97 Avenue  
Folio No. 36-6016-027-0010**

**BID FORM**

The following Bid Proposal is presented to assist the Town in evaluating the Bid. The Bid Amounts will include all items described in the Bid Form. Payment shall be made on the basis of Work actually performed and completed.

**The Base Bid Amount includes all work on:**

**SOIL REMEDIATION PROJECT FOR BLUE HERON PARK**

**Taxpayer Identification Number:** \_\_\_\_\_

**Proposer**

**Company Name:** \_\_\_\_\_

**Signature of Authorized Representative:** \_\_\_\_\_

**Printed Name & Title:** \_\_\_\_\_

**Company Address:** \_\_\_\_\_

**Company Phone Number:** \_\_\_\_\_

**[SPACE LEFT INTENTIONALLY BLANK]**

**TOWN OF CUTLER BAY**  
**SOIL REMEDIATION PROJECT FOR BLUE HERON PARK**  
**ITB No. 25-06**  
**29100 SW 97 Avenue**  
**Folio No. 36-6016-027-0010**

**BID FORM**

Please submit a **line-item bid** for (i) excavation, loading, transportation, and disposal of arsenic impacted soils above 2.1 parts per million to a properly licensed landfill facility approved by the Miami-Dade County Department of Regulatory and Economic Resources - Division of Environmental Resources Management (DERM) and (ii) importation of clean fill from a limerock quarry located within Miami-Dade County.

The construction will comply with the approved Source Removal / Soil Management Plan completed by Kimley Horn and Associates and approved, with modifications by Miami- Dade County DERM as stated in the letter dated May 15, 2025. Copies of manifests for loads leaving the site and signed copies from the accepting landfill will be required to be provided to the Town's oversight consultant, along with the Source Removal / Soil Management Plan acknowledgement form.

ITEM	DESCRIPTION	PRICE
<b>MOBILIZATION</b>	<ul style="list-style-type: none"> <li>Mobilization &amp; demobilization of forces and equipment</li> </ul>	\$
<b>GENERAL REQUIREMENTS</b>	<ul style="list-style-type: none"> <li>Comply with Miami- Dade County DERM letter, dated May 15, 2025</li> <li>Comply with Source Removal / Soil Management Plan (Kimley Horn and Associates), dated April 15, 2025</li> <li>Comply with Tree Disposition Protection Plan (Kimley Horn and Associates, dated June 2, 2025)</li> <li>Dust control as per Source Removal / Soil Management Plan – Section 7.2</li> <li>Worker Health &amp; Safety Plan as per Source Removal / Soil Management Plan - Section 7.1</li> <li>Water truck</li> <li>Cover stockpile daily</li> </ul>	\$
<b>SURVEYING / AS-BUILT</b>	<ul style="list-style-type: none"> <li>Survey control monuments &amp; benchmark</li> </ul>	\$
<b>STORMWATER POLLUTION PREVENTION PLAN (SWPP)</b>	<ul style="list-style-type: none"> <li>Construction entrance</li> <li>Silt fence</li> <li>Inlet protection</li> <li>Geo fabric @ construction entrance</li> <li>Notice of Intent (NOI) &amp; National Pollutant Discharge Elimination System ( NPDES) permits</li> </ul>	\$



<b><i>EARTHWORK – OFFSITE</i></b>	<ul style="list-style-type: none"> <li>• Clear &amp; grub – haul off to DERM approved landfill</li> <li>• Excavate muck</li> <li>• Haul off muck to DERM approved landfill</li> <li>• Final grading as per Source Removal / Soil Management Plan</li> </ul>	\$
<b><i>TREE PROTECTION ZONE</i></b>	<ul style="list-style-type: none"> <li>• Comply with Tree Disposition Protection Plan (Kimley Horn and Associates, dated June 2, 2025)</li> <li>• Engineering Controls</li> <li>• Comply with Miami- Dade DERM letter dated May15, 2025: “DERM does not require the backfill material to be compacted, as described in section 4.4 Clean Backfill Material and Management, except within the “Tree Protection Zones” where contaminated soil has been proposed to remain in-place and covered with a 6-mil or greater impermeable liner covered by a minimum of one foot of clean backfill.”</li> </ul>	\$
<b><i>EARTHWORK – ONSITE</i></b>	<ul style="list-style-type: none"> <li>• Clean backfill being imported to the Site must comply with <i>DERM Guidance 7H – Soil Reuse Guidance for Miami-Dade County</i>, Revised January 2024, per the Source Removal / Soil Management Plan- Section 4.4</li> <li>• Final grading as per Source Removal / Soil Management Plan</li> <li>• Weight tickets of clean fill from an approved DERM facility will be required to be submitted to the Town’s consultant for tracking purposes.</li> </ul>	\$
<b><i>AUTOMATED WASH-DOWN STATION</i></b>	<ul style="list-style-type: none"> <li>• Automated wash-down station onsite</li> </ul>	\$
<b><i>PAYMENT &amp; PERFORMANCE BOND</i></b>	Pursuant to and in accordance with Section 255.05, Florida Statutes, the Contractor shall obtain and thereafter at all times during the performance of the Work maintain a separate performance bond and labor and material payment bond for the Work, each in an amount equal to <b>one hundred percent (100%)</b> of the Contract Price.	\$
<b>TOTAL BID PRICE</b>		\$

BASE BID AMOUNT:      \$ \_\_\_\_\_

BASE BID AMOUNT (IN WORDS): \_\_\_\_\_

## SOIL MANAGEMENT PLAN ACKNOWLEDGEMENT

I have read the Source Removal / Soil Management Plan approved by DERM on May 15, 2025, and acknowledge that I have received and understand its contents and requirements to safely complete work on the project. I understand the terms and conditions and my role and know who to ask if I have questions. It is my responsibility to familiarize myself with this document regularly.

Name & Title (Print)	Signature	Date