

TASK ORDER No. 5a

**CONTINUING PROFESSIONAL SERVICES
(Civil Engineering – Water)
FOR**

Eden Place at 16th Avenue N - Phase 2 Seawall and Drainage Improvements

THIS TASK ORDER FOR CONTINUING PROFESSIONAL SERVICES (“Task Order”) is made on the day of _____, between the **City of Lake Worth Beach**, a Florida municipal corporation (“City”) and **Kimley-Horn and Associates, Inc.**, a North Carolina CORPORATION (“CONSULTANT”).

1.0 Project Description:

The City desires the CONSULTANT to provide those services as identified herein for the Project. The Project is described in the CONSULTANT’s Proposal, dated **August 12, 2024**, and services are generally described as: **Design of a seawall and drainage improvements within the proposed 16th Avenue N project limits. The project proposes to mitigate coastal and rainfall-induced flood hazards along 16th Avenue between North Lakeside Drive and the Intracoastal Waterway.** (the “Project”).

2.0 Scope

Under this Task Order, the CONSULTANT will provide the City of Lake Worth Beach with civil engineering related to water consulting services for the Project as specified in the CONSULTANT’s proposal attached hereto and incorporated herein as **Exhibit “1”**.

3.0 Schedule

The services to be provided under this Task Order shall be completed as expeditiously as practicable with the goal of meeting a mutually agreeable schedule.

4.0 Compensation

This Task Order is issued for a not to exceed amount of **\$92,646.70**. The attached proposal identifies all costs and expenses included in the not to exceed amount. Invoices will be itemized by the hours per person for the total work completed for each month.

5.0 Project Manager

The Project Manager for the CONSULTANT is **George Honiotes**, phone: **(561) 421-1213**; email: **George.honiotes@kimley-horn.com**; and, the Project Manager for the City is **Vaughn Hayduk**, phone: **(561) 568-1798**; email: **vhayduk@lakeworthbeachfl.gov**

6.0 Progress Meetings

The CONSULTANT shall schedule periodic progress review meetings with the City Project Manager as necessary but every 30 days as a minimum.

7.0 Authorization

This Task Order is issued pursuant to the Continuing Professional Services Agreement (Civil Engineering – Water) based on RFQ#23-300 between the City of Lake Worth Beach and the CONSULTANT, dated March 21, 2023 (“Agreement” hereafter). If there are any conflicts between the terms and conditions of this Task Order and the Agreement, the terms and conditions of the Agreement shall prevail.

IN WITNESS WHEREOF, the parties hereto have made and executed this Task Order No. 5a as of the day and year set forth above.

CITY OF LAKE WORTH BEACH, FLORIDA

By: _____
Betty Resch, Mayor

ATTEST:

By: _____
Melissa Ann Coyne, City Clerk

APPROVED AS TO FORM AND
LEGAL SUFFICIENCY:

APPROVED FOR FINANCIAL
SUFFICIENCY

By: _____
Glen J. Torcivia, City Attorney

By: _____
Yannick Ngendahayo, Financial Services Director
428-5090-538.63-15 ST2304



CONSULTANT: KIMLEY-HORN AND ASSOCIATES, INC.

By: _____
KEVIN SCHANEY, SR. V.P.

STATE OF Florida
COUNTY OF Palm Beach

THE FOREGOING instrument was acknowledged before me by means of physical presence or online notarization on this 12th day of August, 2024, by **Kimley-Horn and Associates, Inc.** a North Carolina Corporation, who is personally known to me or who has produced _____ as identification, and who did take an oath that he or she is duly authorized to execute the foregoing instrument and bind the CONSULTANT to the same.

Notary Public Signature

Notary Seal:

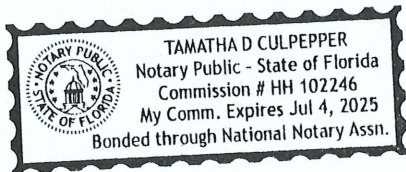


EXHIBIT 1
SCOPE OF SERVICES
FOR

Eden Place at 16th Avenue N - Phase 2 Seawall and Drainage Improvements

1.0 Project Understanding

The City of Lake Worth Beach (“Client” or “The City”) has requested Kimley-Horn (“Consultant”) prepare seawall and drainage improvements of the proposed 16th Avenue N and Bella Vista Avenue project limits. The project proposes to mitigate coastal and rainfall-induced flood hazards along 16th Avenue N between North Lakeside Drive and the Intracoastal Waterway. Proposed improvements include a seawall, extension of the existing earth berm, and stormwater improvements including two (2) ditch bottom inlets with connecting pipes, and an outfall to the Intracoastal Waterway. See Figure 1 showing the project location below:

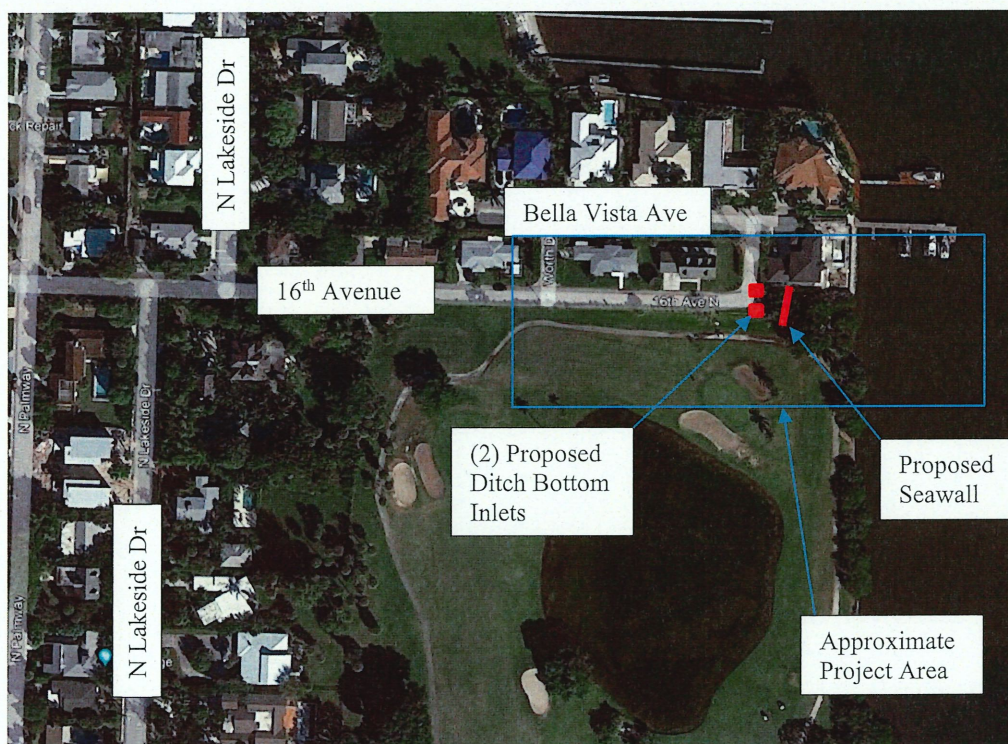


Figure 1: Project Location
(Source: Google Earth Photograph Dated – August 2023)

2.0 Scope of Services

Kimley-Horn will use information gathered in Task Order No. 5 (Phase 1- Hydrologic and Hydraulic Analysis) which determined the need for two concrete inlet structures, an outfall to the intercoastal, a seawall system, and an extension of the existing earth berm to the edge of the proposed seawall system.

Task 1: Design Services – Proposed Seawall

Kimley-Horn will provide structural design services for the seawall to retain soil and prevent coastal flooding at the east end of 16th Avenue between the golf course and property owner's existing wall. Kimley-Horn will design a concrete or sheet pile wall system to extend to elevation 3.2 NAVD88. Kimley-Horn will specify limits of riprap placement in front of the proposed seawall. The seawall and all accessories will be designed according to the 2023 Florida Building Code (Eighth Edition). It is anticipated that the final construction documents may contain the following information:

- Structural General Notes
- Existing Site Plan
- Grading Plan
- Floodwall Plan, Sections, and Details
- Technical Specifications

It is assumed that the Geotechnical and survey data provided in Phase 1 – Hydrologic and Hydraulic Analysis will be used as part of this Task Order. The geotechnical and survey data will be used for design.

Kimley-Horn will respond to one (1) round of reasonable comments after City review of the 90% submittal.

Kimley-Horn will prepare an Opinion of Probable Construction Cost estimate (OPCC) at the 90% and 100% submittals.

Task 2: Design Services – Proposed Drainage Improvements

Kimley-Horn will visit the site to review the field conditions. A design ticket will be called into Sunshine 811 to obtain and review available utility record drawings and data for the project that may impact the design. We will use the survey provided by others in Phase 1 to develop a base map. Known and available utility record information will be added to the base map to aid in the coordination of the design efforts.

Kimley-Horn will design drainage improvements to include two (2) ditch bottom inlets, connecting pipes, and an outfall to the Intracoastal Waterway with a check valve and a manatee grate. It is anticipated that the final construction documents may contain the following information:

- General Notes
- Demolition Plan
- Paving, Grading, & Drainage Plan
- Paving, Grading, & Drainage Details
- Technical Specifications

Kimley-Horn will respond to one (1) round of reasonable comments after City review of the 90% submittal.

Kimley-Horn will prepare an Opinion of Probable Construction Cost estimate (OPCC) at the 90% and 100% submittals.

Task 3: Environmental Permitting Services

Benthic Resources Survey:

Kimley-Horn will conduct a benthic resource/submerged aquatic vegetation survey adjacent to the project site, during the appropriate survey period (June through September). The benthic survey will be conducted in general accordance with the National Marine Fisheries Service (NMFS) methodology recommendations for sampling *Halophila johnsonii* at large-area project sites. Prior to the field survey, Kimley-Horn will review updated GIS data regarding any recent surveys documented by the South Florida Water Management District (SFWMD) or Florida Department of Environmental Protection (FDEP) near the project site. The surveys will employ a quantitative sampling of one square meter quadrats at regular intervals along a transect line.

Each transect location will be accessed from the adjacent shoreline. Qualitative and quantitative sampling will be conducted by two biologists using snorkeling gear. The percent coverage of seagrass, species composition, substrate type, and other benthic resources will be documented at each quadrat along the transect line. Environmental conditions including weather, visibility, and tide cycles at the start and end of the survey will be noted.

Following the survey, a technical memorandum will be prepared summarizing results of the benthic survey, including a discussion of methodology and results, with figures illustrating location and percentage of seagrass by species within each polygon (if seagrass is present). The technical memorandum will be provided to state and federal regulatory agencies during the environmental permitting process detailed in the two tasks below.

State Environmental Resource Permit (ERP) Application:

Kimley-Horn will conduct one onsite field visit of the project area to delineate adjacent wetlands and to review the project area for listed species or potential of usage by listed species. Kimley-Horn will coordinate and attend one pre-application meeting with the applicable state agency to discuss existing conditions and permitting requirements. Kimley-Horn will prepare an Individual Environmental Resource Permit application, to include figures illustrating existing and proposed conditions. Once the application is submitted, Kimley-Horn will respond to up to two Requests for Additional Information (RAI). Kimley-Horn will attend one onsite meeting with the State agency to review existing conditions. Any additional RAIs or meetings will be considered additional services. All permit application fees shall be paid by the Client. It is assumed no wetlands or seagrasses will be impacted by the proposed project. If wetlands or seagrasses are impacted, then mitigation will be required. This scope and fee do not include preparation of a mitigation plan. If species specific surveys are requested by the State or the Florida Fish and Wildlife Conservation Commission (FWC), these will be considered additional services and are not included with this scope.

USACE Permit:

Under this scope, a Nationwide, Letter of Permission, or Regional General Permit application will be prepared for the proposed project. If it is determined that the project would not qualify for those types of permits mentioned above, then a Standard Permit would be required, which is not included within this scope and fee. A Standard Permit will be considered an Additional Service. The proposed project will likely not qualify for a Nationwide permit or a Regional General Permit. Once the application is submitted, Kimley-Horn will respond to up to two RAIs. One onsite visit with the USACE will be conducted if necessary. Any additional RAIs or meetings with USACE will be considered additional services. All permit application fees shall be paid by the Client. It is assumed no wetlands or seagrasses

will be impacted by the proposed project. If wetlands or seagrasses are impacted, then mitigation will be required. This scope and fee do not include preparation of a mitigation plan.

Kimley-Horn will also coordinate with the USFWS regarding possible listed species impacts. If the USACE or USFWS requires detailed listed species surveys (beyond the above-mentioned benthic resource survey), then a separate scope and fee will be prepared.

Task 4: Bid Phase Assistance

The city will require limited bid phase services. The Consultant will:

- Attend one (1) pre-bid meeting.
- Assist the City in answering bidder questions associated with the technical aspects of the project.
- Review the apparent low bidder's bid proposal and submit a summary of our findings to the City.
- Incorporate up to two (2) addenda into the plans and specifications as required.
- Prepare a conformed set of documents for construction.

It is our understanding that the City will administer the bid process and distribute addenda to bidders. The Bidding and Negotiation Phase will be considered complete upon contract award or upon cessation of negotiations with prospective bidders.

Submittals:

The Kimley-Horn team will prepare 90%, and 100% (final) level design drawings for submittal.

The Kimley-Horn team will prepare Technical Specifications for the 90% and 100% (final) submittals.

The Kimley-Horn team will prepare an Opinion of Construction Cost for the 90% and 100% (final) submittals.

3.0 Schedule

Kimley-Horn shall begin work as expeditiously as practicable with the goal of meeting a mutually agreeable schedule.

4.0 Compensation

Invoices for the engineering services described in Section 2.0 above will be presented to the City on a monthly basis itemized by the hours per person for the total work completed for that month. The total amount paid to Kimley-Horn shall not exceed **\$92,646.70**.

The following amount is labor and shall be based on hourly rates in this agreement.

Phase 2:

Task 1: Proposed Seawall	\$26,865.00
Task 2: Proposed Drainage Improvements	\$32,294.50
Task 3: Environmental Permitting Services	\$25,170.00
Task 4: Bid Phase Assistance	\$8,317.20

5.0 Additional Services

Any services not specifically provided for in the above scope, including construction phase services, as well as any changes in the scope requested by the City, will be considered additional services. These services will be performed based on proposals approved by the City prior to the performance of those requested additional services.