

EXHIBIT "A"

TASK ORDER _8__

**PROFESSIONAL CONSULTING SERVICES
FOR**

Lake Worth Beach Watermain Directional Drill

THIS TASK ORDER FOR PROFESSIONAL CONSULTING SERVICES ("Task Order" hereafter) is made on the ___ day of _____, 2022, between the City of Lake Worth Beach, a Florida municipal corporation located at 7 North Dixie Highway, Lake Worth Beach, Florida 33460 ("City" hereafter) and Kimley-Horn and Associates, Inc., a corporation authorized to do business in the State of Florida, whose local business address is 1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411 ("Consultant" hereafter).

1.0 Project Description

The City has an existing 16-in forcemain and two (2) existing electrical cables that are installed beneath the Intracoastal Waterway between Bryant Park and Barton Park south of the Lake Avenue Bridge. As part of a recent feasibility study that was prepared for the City, it was recommended that a new electrical cable and conduit be installed via horizontal directional drilling (HDD) to replace the existing submarine electrical cables. The City has also identified a need to construct a new 12-in subaqueous watermain via HDD in the same vicinity of the proposed electrical cable. It is understood that the City has retained Power Engineers, Inc. (Power) to design and permit the electrical improvements and that Power will perform most of the required permitting for the watermain as part of their scope of work. It is also understood that the City will directly employ the services of a surveyor, geotechnical engineer, and subsurface utility locator to provide information that will be suitable for the design of the watermain improvements.

The City has requested that Kimley-Horn and Associates, Inc. prepare a scope of services for the design and limited permitting services for a proposed subaqueous 16-in watermain. Based on this understanding, the following scope of services will be performed by the Consultant.

2.0 Scope of Work

TASK 1 – DATA COLLECTION AND CONCEPTUAL DESIGN

The Consultant will attend up to one (1) kick off meeting with the City and Power to kick off the project, establish project goals, and discuss the design criteria.

The Consultant will perform data collection for the project area. We will coordinate with the City and franchise utility owners to collect available information regarding the existing underground infrastructure.

The Consultant will develop a conceptual layout of the proposed watermain on an aerial with Palm Beach County GIS data identifying property boundaries. The conceptual design sketches will show the proposed layout of the improvements in plan view only. The conceptual design will address connection points, open cut and horizontal directional drill (HDD) locations.

The Consultant will meet with the City and Power to review the conceptual drawings and will revise the conceptual drawings up to one (1) time based on comments received during the meeting.

It is understood that the City will employ the services of a professional surveyor to provide a survey and easement sketches that can be used for the design and permitting of the proposed watermain. It is anticipated that multiple easements for submerged land use will be required by the Florida Department of Environmental Protection (FDEP) and/or United States Army Corps of Engineers (USACE) for the Intracoastal crossing. The Consultant will provide a sketch to the City showing the limits of survey and easements needed for design and permitting of the proposed watermain. It is assumed that the survey that will be provided by the City's survey consultant will be a topographic/bathymetric right-of-way survey that can be used develop project base maps/plan sheets at 1"=40' scale. It is further assumed that it will include bathymetry information sufficient for the required easements, right-of-way lines and surface features where applicable as well as topographic information, stationed baseline, benchmarks, and/or cross-section elevations.

It is understood that the City will employ the services of a subsurface utility consultant to obtain 15 soft dig utility locations for known underground utilities in the project corridor. This information will be used to develop the project base map of existing utilities to assist in the horizontal and vertical design of the proposed utilities. The Consultant will provide a sketch to the City identifying the requested utilities to be located.

It is understood that the City will employ the services of a geotechnical consultant to perform a geotechnical analysis that will identify the characteristics of the geology in the project area including the amount of flocculent material or "muck" that exists on the bottom and other geotechnical information which will be used for the HDD design and referenced by the driller during the drilling process. It is assumed that the soil borings will be provided in areas where the directional drilling will occur and will be at a sufficient depth to be useful during the design and construction of the proposed watermain improvements. The Consultant will provide a sketch to the City identifying the requested areas to have borings performed and review the provided soil boring information.

TASK 2 FINAL DESIGN/CONSTRUCTION DOCUMENTS

During this task, the Consultant will perform the following services:

- Visit the site up to two (2) times to gather information as it pertains to the observable existing conditions and utilities and to identify opportunities and constraints that may affect the design of the improvements.
- Coordinate and conduct one (1) utility coordination meeting with affected utility owners along the project corridor.

- Prepare preliminary pullback and service life calculations to identify recommended pipe thickness and material specifications.
- Develop a basemap for the project corridor that combines the survey, soft dig, and record drawing information that is obtained, and will serve as the base for the construction drawings.
- Coordinate with Power to obtain the alignment of the proposed electrical design and include on the base map.
- Prepare the following constructions plans for the watermain improvements. The plans will be suitable for permitting and construction and will contain the following information:
 - Cover Sheet
 - General Notes (1 sheet)
 - Overall Site Plan (1 sheet)
 - Upland Utility Plan and Profile Sheets (2 sheets, 1" = 20' full size)
 - Watermain Utility Boring Plan and Profile (3 sheets at 1" = 50' full size)
 - City of Lake Worth Beach Standard Utility Details (4 sheets)
 - Construction/Connection Details (4 sheets)
- Prepare technical specifications. It is understood that the City's standard specifications will be used for this project. Supplemental specifications will be prepared to supplement the City's standard specifications.
- Submit plans and specifications for review at the 60%, 90%, and completion stages.
- Meet with the City and Power to review comments and accommodate reasonable requests for revisions after the 60% and 90% completion submittals. Plans will also be provided to the franchise utilities at these stages for coordination purposes. Final plans will be prepared after receipt of the City comments from the 90% completion stage.
- Prepare and submit an Opinion of Probable Construction Cost (OPC) at the 60%, 90% and final completion stages .
- Provide up to two (2) hard copies of signed & sealed drawings and specifications, and electronic (pdf and CADD) files of the final drawings.

This scope of services does not include performing hydraulic modeling for this project. It is understood that the City has retained another consultant to perform hydraulic modeling to size the proposed watermain. This information will be provided by the City and included as part of the permit application to the Palm Beach County Health Department.

TASK 3 – PERMITTING ASSISTANCE

The Consultant will prepare and submit the following permit application for the watermain installation.

- Palm Beach County Health Department (PBCHD) Drinking Water Distribution System Permit – A Florida Department of Environmental Protection General Permit for Construction of Watermain Extensions for PWSs will be required for the improvements. The Consultant will submit the permit application to the Palm Beach County Health Department. The City will be listed on the application as the permittee and owner upon

completion of the project. Consultant will respond to one (1) request for additional information (RAI) from the Palm Beach County Health Department. The \$650 permit application fee is included in this task.

It is understood that Power and/or their subconsultants will prepare and submit the following permit applications for the watermain installation as part of permitting the electrical conduit and that they will also perform any environmental services required for this permitting:

- FDEP Environmental Resource Permit (ERP)
- Sovereign Submerged Lands easement application
- USACE Individual Permit/Section 408 Review
- Additional agency coordination for waterway crossings
- Florida Department of Transportation (FDOT) Utility Permit

A description of the services that the Consultant will provide to assist Power with preparing the above referenced permit applications is as follows:

FDEP ERP, USACE and FDOT Permit Applications

Our services for the FDEP, USACE and FDOT permit applications will consist of the following work elements:

- The Consultant will prepare or assemble the following items to be submitted by Power as part of their FDEP and/or USACE permit submittals:
 - The Consultant will provide permit sketches and details for the HDD portions of the watermain to include information required for the FDEP/USACE permit submittal. The drawings are required to be contained in the permit application packages for these permits.
 - The Consultant will prepare a watermain-specific narrative for the watermain design that will address the purpose of the project, the reasoning behind the chosen particular route, and outline benefits of the project which are in the best interest of the public. It is assumed that Power will incorporate this language into the project purpose narrative being prepared for the permit submittal.
 - The Consultant will prepare information on the anticipated construction/installation methodology for the watermain crossing. This description will include the general type of equipment to be used, and the area of operation that will be required for the watermain directional drilling operation.
- Once the applications are submitted, the Consultant will assist Power with responding to reasonable review comments specific to the watermain design for to up to one (1) Request for Additional Information (RAI). Any additional RAIs will be considered additional services.

Any significant plan revisions caused by changing agency criteria after our initial design is reviewed with each appropriate agency and similar factors outside of the Consultants control, additional meetings, and/or additional coordination with be considered Additional Services.

ADDITIONAL SERVICES

The Consultant believes the proposed scope of services to be generally inclusive of the required tasks. However, the Consultant will provide additional services at the request of the City and upon receipt of written authorization to proceed. The Consultant will also provide additional services that arise due to unforeseen circumstances with prior written authorization from the City. Additional services that we can perform upon request of the City include, but are not limited to, the following:

- Bidding and Construction Phase Services
- Meeting attendance not specifically referenced in the above scope of services.
- Additional permitting not specifically referenced in the above scope of services
- Environmental studies
- Coordination/Permitting for Wetland Mitigation
- Survey services including sketch and legal description development
- Hydraulic Modeling
- Public Involvement meetings
- Commission Meeting Representation
- Response to Agency RAI's beyond what is included in the Scope of Services

3.0 Schedule

Kimley-Horn will begin work upon receiving notice to proceed from the City. We propose the following schedule:

Task 1 – Data Collection and Conceptual Design

- | | |
|--|-------------|
| ○ Prepare conceptual drawing of HDD corridor | 6 – 8 weeks |
| ○ 3 weeks of City review time | |
| ○ Revise conceptual drawing/
provide sketch for survey limits | 3 – 4 weeks |

Task 2 – Construction Documents

- | | |
|--|--------------|
| ○ 60% (upon receipt of project survey) | 8 – 10 weeks |
| ○ 3 weeks of City review time for 60% plans | |
| ○ 90% (upon receipt of City's 60% comments) | 8 – 10 weeks |
| ○ 3 weeks of City review time for 90% plans | |
| ○ 100% (upon receipt of City's 90% comments) | 6 – 8 weeks |

The permit application and information in Task 3 will be submitted concurrently with preparation of the 100% plans.

4.0 Compensation

Kimley-Horn will perform the Services for the total lump sum fee below. Fees will be invoiced monthly based on the actual amount of services performed and expenses incurred. Individual task amounts are informational only.

Additional Services, which may be identified as needed at a later time, will be negotiated at that time.

Task 1 – Data Collection and Conceptual Design	\$24,027
Task 2 – Final Design/Construction Documents	\$123,118
Task 3 – Permitting Assistance	\$20,128
<u>Expenses</u>	<u>\$400</u>

Total **\$167,673**

6.0 Progress Meetings

The Consultant shall schedule periodic progress review meetings with the City Project Manager as described in the Scope of Work. One (1) project kick-off meeting and three (3) design review meetings are included in this Task Order.

7.0 Authorization

This Task Order is issued in compliance with the Consultants’ Competition Negotiation Act, section 287.055, Florida Statutes and pursuant to the Agreement for Professional Consultant Services between the City of Lake Worth and the Consultant, Kimley-Horn and Associates, Inc. dated July 1, 2014 (“Agreement” hereafter).

REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK

SIGNATURE PAGE FOLLOWS

IN WITNESS WHEREOF, the parties hereto have made and executed this Task Order on day set forth above.

CITY OF LAKE WORTH BEACH, FLORIDA

ATTEST:

By: _____
Melissa Ann Coyne, City Clerk

By: _____
Betty Resch, Mayor

APPROVED AS TO FORM AND
LEGAL SUFFICIENCY:

APPROVED FOR FINANCIAL
SUFFICIENCY

By: _____
Glen J. Torcivia, City Attorney

By: _____
Bruce T. Miller, Financial Services Director

CONSULTANT: **Kimley-Horn and Associates, Inc.**

By: _____
[Handwritten Signature]

[Corporate Seal]

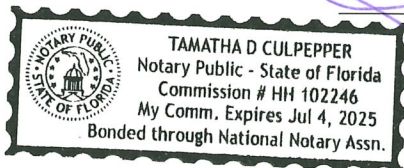
Print Name: Kevin Schanen

Title: Sr. Vice President

STATE OF Florida)
COUNTY OF Palm Beach)

THE FOREGOING instrument was acknowledged before me by means of physical presence or online notarization on this 3rd day of March 2022, by Kevin Schanen, as the Senior Vice President [title] of **Kimley-Horn and Associates, Inc.**, a Corporation authorized to do business in the State of Florida, 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 Seal:



Notary Public Signature