

# **TOWN OF PALM BEACH**

Information for Town Council Meeting on: March 20, 2018

---

TO: Mayor and Town Council

VIA: Kirk W. Blouin, Town Manager

FROM: H. Paul Brazil, P. E., Director of Public Works

RE: Approve a Purchase Order for Phase 4 Engineering Design Services for the Town-Wide Undergrounding of Utilities Program  
**Resolution No. 34-2018**

DATE: February 27, 2018

---

## **STAFF RECOMMENDATION**

Town staff recommends that Town Council approve Resolution No. 34-2018, approving a purchase order for Engineering Design Services to Kimley-Horn and Associates, Inc. (KHA) for Phase 4 of the Town-Wide Undergrounding Utilities Program for \$1,212,379.

## **GENERAL INFORMATION**

The Town Council approved the master contract and purchase order for Task Order 1 of the Town-Wide Undergrounding Utility Program at the May 10, 2016 meeting. The first task order included the design for undergrounding utilities from Onondaga Avenue to the northern limits of the Town, Sloan's Curve to the southern limits of the Town, and subsequently added the portion that extends through Lake Worth as Task Order 2.

Phase 2 and 3 designs are presently underway. Phase 2 is scheduled to begin construction in September 2018. Phase 3 design was approved at the January 9, 2018 Town Council meeting, with construction scheduled to begin May 2019.

Staff is recommending moving forward with Phase 4 design as well. With the Commercial Paper issued on December 20, 2017 to finance the initial phases of the Underground Utility Project, we now have funding to ensure the program remains on schedule. Moving forward with Phase 4 design now allows us to evaluate the expanding phase sizes as discussed by the Town Council.

At the Town's request, KHA provided a final proposal for Phase 4 of the Town-Wide Undergrounding Utility Program on February 28, 2018. The Phase 4 project areas are from La Puerta Way to Via Marila and from Worth Avenue to the Mid-Town area. During the design phase, there will be an opportunity to review the timing of this phase in conjunction with Phase 3. Staff will revisit this construction sequencing prior to finalizing Phase 3 plans and specifications.

The submitted proposal from KHA includes:

- North and South Project Area Designs
- Surveying
- Utility Base Map Design
- Conduit Routing Design
- Permitting
- Bid Phase Assistance
- Design Meetings as Necessary

This task order will be labeled as Work Order 5 of the Master Agreement. We have negotiated the scope of work with KHA in the amount of \$1,212,379.

#### **FUNDING/FISCAL IMPACT**

Funding for these services is available in the Underground Utility Project Fund from the proceeds of the Commercial Paper program.

#### **PURCHASING REVIEW**

This item has been reviewed by the Purchasing Division and approved as recommended. The proposed pricing is in accordance with the rates provided in the Master Agreement.

#### **TOWN ATTORNEY REVIEW**

This Resolution has been reviewed and approved by the Town Attorney for legal form and sufficiency.

Attachment

cc: Jane Struder, Director of Finance  
Patricia Strayer, P.E., Town Engineer  
Dean Mealy, Purchasing Manager  
Steven Stern, Project Manager

**RESOLUTION NO. 34-2018**

A RESOLUTION OF THE TOWN COUNCIL OF THE TOWN OF PALM BEACH, PALM BEACH COUNTY, FLORIDA, APPROVING A PURCHASE ORDER TO KIMLEY-HORN AND ASSOCIATES, INC., IN THE AMOUNT OF \$1,212,379 FOR PHASE 4 ENGINEERING DESIGN SERVICES OF THE TOWN-WIDE UNDERGROUNDING OF UTILITIES PROGRAM.

\* \* \* \* \*

BE IT RESOLVED BY THE TOWN COUNCIL of the Town of Palm Beach, Palm Beach County, Florida as follows:

Section 1. The Town Council of the Town of Palm Beach hereby approves a purchase order for Kimley-Horn and Associates, Inc., in an amount of \$1,212,379 for Phase 4 Engineering Design Services of the Town-Wide Undergrounding of Utilities Program.

Section 2. The Town Manager is hereby authorized to execute a purchase order on behalf of the Town of Palm Beach for these services, and is authorized to approve additional tasks, as necessary, within the budget.

Section 3. The Town Manager, or his designee, is hereby authorized to take such further actions as may be necessary to effectuate the completion of the said project, including any necessary change order work as recommended by the Public Works Director.

PASSED AND ADOPTED in a regular adjourned session of Town Council of the Town of Palm Beach this 20th day of March 2018.

\_\_\_\_\_  
Gail L. Coniglio, Mayor

\_\_\_\_\_  
Town Council President

\_\_\_\_\_  
Council President Pro Tem

\_\_\_\_\_  
Town Council Member

ATTEST:

\_\_\_\_\_  
Town Council Member

\_\_\_\_\_  
Kathleen Dominguez, Town Clerk

\_\_\_\_\_  
Town Council Member



February 28, 2018  
*March 9, 2018 (revised)*

Ms. Patricia Strayer, P.E.  
Town of Palm Beach  
951 Old Okeechobee Road, Ste. "A"  
West Palm Beach, FL 33401

**RE: *Town-Wide Undergrounding of Utilities Program: Phase 4 Design Services***

Dear Patricia,

The Kimley-Horn and Associates, Inc. team (Kimley-Horn) is pleased to submit this proposal to the Town of Palm Beach ("TOWN") for providing engineering services related to the design of Phase 4 for the Town-wide Undergrounding of Utilities Program. Our project understanding, scope of services, schedule, and fee follow.

**Project Understanding**

The Town has requested that the design phase for the two Phase 4 project areas (Phases 4 North and 4 South) commence now so that construction can begin in Phase 4 in 2020. These two areas will be from El Pueblo Way to Via Marila (including oceanfront and lakefront properties south to Laurian Lane) and from approximately Worth Avenue to Royal Palm Way, generally east of Hibiscus Avenue to South Ocean Blvd. These areas are in accordance with the overall program phasing limits identified in the master plan.

It is understood that FPL, AT&T, and Comcast all have facilities on utility poles in the Phase 4 areas. These poles are generally located in rear lot easements or in the public rights of way right of way. New underground electric and communications infrastructure is planned to be installed within the road rights of way and in new front lot easements to contain the new underground facilities. Once the new facilities have been installed, activated, and the services cut over, the rear lot poles and wires will be removed. Kimley-Horn will coordinate with FPL, AT&T and Comcast to develop the electric and communications infrastructure design for the area. In general, each utility will develop the electric and communications network design and Kimley-Horn will develop the detailed conduit plan to support the network designs prepared by each utility.

There are a number of light fixtures attached to the FPL poles through each of the Phase 4 project areas. It is understood that these existing street lights will need to be replaced with new FPL street lights. The Town has identified sanitary pump station infrastructure needs within the Phase 4 South project area but this work will occur independent of the undergrounding project as the work is not anticipated to impact the right of way significantly.

There has been discussion regarding watermain replacements across the island that should occur during the undergrounding program. Discussions between the Town and the City have yielded a conclusion that watermain work would only be performed if required to move a watermain due to a conflict with the undergrounding work.

Based on this understanding, our detailed scope of services is provided below.

## **Scope of Services**

### **Task 1.1 – Phase 4 North Design (El Pueblo Way to Via Marila)**

Kimley-Horn will conduct a kickoff meeting with the Town to coordinate our services. Kimley-Horn will conduct a site visit to review the field conditions and identify existing meter locations. Letter notification mailers will be provided to the Town to mail to affected residents. A design ticket will be called into Sunshine 811 such that utility companies having infrastructure in the area can be identified. We will then obtain and review available record drawings and data for the project area that may impact the design.

Kimley-Horn will perform a topographical survey of the public rights of way between El Pueblo Way and Via Marila. Rim and invert elevations for storm and sanitary utilities will be provided. Topographical spot elevations will be shown on 100-foot intervals along the conduit routes with additional detail at each intersection. Landscape areas within 4-feet of the roadway curb will be identified, and trees larger than 6-inch in diameter within 4-feet of the roadway curb will be located. The survey will also provide parcel limits within the project area based on plat/property appraiser data, including platted easements.

Kimley-Horn will obtain the horizontal and vertical locations of a representative number of known utilities within the project area. Up to twenty-eight (28) soft-dig utility locates will be performed to determine the vertical and horizontal locations of known utilities. This information will be incorporated into the drawings to determine the proposed power and communication conduit runs within the right of way.

Kimley-Horn will review the survey and utility record drawing data obtained to develop an overall base map. Known and available utility record information will be added to the base map to aid in the coordination of the design efforts. This utility base map will be provided to FPL, AT&T, Comcast, and other communications companies, if applicable, for their use in their network design efforts.

Kimley-Horn will perform a geotechnical investigation within the project area. The purpose of this investigation is to gather information regarding the existing pavement and base thickness and provide information to the selected contractor regarding soil conditions that will be encountered on the project. Up to five (5) 10-foot deep Standard Penetration Tests will be performed in the Phase 4 North project area within the existing roadways to gather the geotechnical and pavement information. This information will be presented in a brief technical report.

We will coordinate the design of the underground infrastructure with FPL, AT&T, and Comcast in order to develop the supplementary conduit plan. It is understood that the Town will pay the design and construction fees assessed by FPL, AT&T, Comcast, and other communications companies (if applicable) directly. Aboveground infrastructure required to support the underground system (Transformers, switch cabinets, pedestals, etc.) will be shown on the plans. Service line routes to the individual homes will be schematically shown so that exact routes can be field coordinated with the property owners by the contractor during construction.

Kimley-Horn will perform individual commercial service conductor sizing and voltage drop calculations to verify the proposed commercial service conductors meet minimum NEC requirements and necessary ampacity ratings for the customer load. Up to 3 commercial service conductors will be sized under this task. It is assumed that FPL will size all residential services and that these services will be owned and maintained by FPL.

It is anticipated that the final undergrounding construction documents may contain the following information:

- Cover Sheet
- Survey
- General Notes (up to 4 sheets)
- Overall Site Plan (1 sheet)
- Conduit/Equipment plan (up to 20 sheets, 1"=20')
- Equipment Details (up to 3 sheets)
- Trench and Conduit Details (up to 2 sheets)
- Construction / Restoration Details (up to 1 sheet)
- Commercial Service Sizing Spreadsheet (up to 1 sheet)
- Street Light Replacement Locations and Details (2 sheets)
- Landscape Plan (up to 10 sheets)
- Planting Details and Notes (up to 1 sheet)
- Technical Specifications

It is understood that the Town is pursuing the installation of FPL LED lighting and that FPL will perform the detailed design and installation of the poles, conductor, and service points. Kimley-Horn will provide a street lighting exhibit to FPL for use in their design of new LED lighting under the LT1 tariff. Use of this tariff is expected to minimize conduit needed for new street lighting. It is not expected that any conduit will need to be installed by the Town for street lighting, rather FPL will install necessary conduit when they install the new lights.

Kimley-Horn will submit deliverables for review at the following milestones:

- Survey Complete
- Utility Base Map Complete
- Equipment Location Map Complete
- Conduit Routing Complete

Kimley-Horn will address one round of reasonable comments after Town review of the Equipment Location Plan and Conduit Routing Plan submittals. During the design process, we will continue to coordinate with FPL, AT&T, and Comcast to ultimately obtain their final network designs and cost estimates. An Opinion of Probable Cost for the project areas will be submitted with the Conduit Routing Final Construction Document submittal. We will also submit the plans to FPL, AT&T and Comcast for coordination purposes concurrently with the Town submittals. We have assumed that ARCOM review and approval will not be required for the landscaping that may be required to screen the above grade equipment on the project. If ARCOM approval is deemed to be required by the Town, we can provide these services as an additional service.

No Town infrastructure improvements beyond the underground conversion are currently contemplated in the Phase 4 North area. If it becomes known through our coordination with the Town during this phase of the project that infrastructure improvements should be incorporated into the design, we can perform such design as an additional service.

**Task 1.2 – Phase 4 South Design (A1A / South Ocean Blvd. Intersection to approx. Worth Avenue)**

Kimley-Horn will conduct a kickoff meeting with the Town to coordinate our services. Kimley-Horn will conduct a site visit to review the field conditions and identify existing meter locations. Letter notification mailers will be provided to the Town to mail to affected residents. A design ticket will be called into Sunshine 811 such that utility companies having infrastructure in the area can be identified. We will then obtain and review available record drawings and data for the project area that may impact the design.

Kimley-Horn will perform a topographical survey of the public rights of way and accessible alleyways between Royal Palm Way east of Hibiscus Avenue and the alley north of Worth Avenue together with portions of the roads west of Hibiscus Avenue as shown on the Phasing Map within the master plan. Portions of Phase 4 west of Coconut Row will not be surveyed as these areas are already underground and work is not anticipated in these areas. Rim and invert elevations for storm and sanitary utilities will be provided. Topographical spot elevations will be shown on 100-foot intervals along the conduit routes with additional detail at each intersection. Landscape areas within 4-feet of the roadway curb will be identified, and trees larger than 6-inch in diameter within 4-feet of the roadway curb will be located. The survey will also provide parcel limits within the project area based on plat/property appraiser data, including platted easements.

Kimley-Horn will obtain the horizontal and vertical locations of a representative number of known utilities within the project area. Up to fifty-two (52) soft-dig utility locates will be performed in order to verify the vertical and horizontal locations of known utilities. It is assumed that sixty test (60) from the Worth Avenue project and forty-two (42) soft-dig locations from the Town Hall Square project will be reused for this project. This information will be incorporated into the drawings to determine the proposed power and communication conduit runs within the right of way.

Kimley-Horn will review the survey and utility record drawing data obtained to develop an overall base map. Known and available utility record information will be added to the base map to aid in the coordination of the design efforts. This utility base map will be provided to FPL, AT&T, Comcast, and other communications companies, if applicable, for their use in their network design efforts.

Kimley-Horn will perform a geotechnical investigation within the project area. The purpose of this investigation is to gather information regarding the existing pavement and base thickness and provide information to the selected contractor regarding soil conditions that will be encountered on the project. Up to five (5) 10-foot deep Standard Penetration Tests will be performed in the project area within the existing roadways to gather the geotechnical and pavement information. This information will be presented in a brief technical report.

We will coordinate the design of the underground infrastructure with FPL, AT&T, and Comcast in order to develop the supplementary conduit plan. It is understood that the Town will pay the design and construction fees assessed by FPL, AT&T, Comcast, and other communications companies (if applicable) directly. Aboveground infrastructure required to support the underground system (Transformers, switch cabinets, pedestals, etc.) will be shown on the plans. Service line routes to the individual homes and businesses will be schematically shown so that exact routes can be field coordinated with the property owners by the contractor during construction.

Kimley-Horn will perform individual commercial service conductor sizing and voltage drop calculations to verify the proposed commercial service conductors meet minimum NEC requirements and necessary ampacity ratings for the customer load. Up to 90 commercial service conductors will be sized under this task. It is assumed that FPL will size all residential services and that these services will be owned and maintained by FPL. Existing underground services will be maintained to the greatest extent practical although it is anticipated that some will need to be replaced in order to convert the service from the rear alley to the front street. Within Phase 4, it is anticipated that some amount of infrastructure will need to be converted underground within the rear alleys as there may be no practical way to convert the service to the front street due to the lack of space between adjacent buildings/properties (i.e. new services will not be proposed to be installed below existing buildings).

It is anticipated that the final undergrounding construction documents may contain the following information:

- Cover Sheet
- Survey
- General Notes (up to 4 sheets)
- Overall Site Plan (1 sheet)
- Conduit/Equipment plan (up to 22 sheets, 1"=20')
- Equipment Details (up to 6 sheets)
- Trench and Conduit Details (up to 2 sheets)
- Construction / Restoration Details (up to 2 sheets)
- Electrical Service Sizing Spreadsheet (up to 2 sheets)
- Street Light Replacement Locations and Details (2 sheets)
- Landscape Plan (up to 14 sheets)
- Planting Details and Notes (up to 1 sheets)
- Technical Specifications

It is understood that the Town is pursuing the installation of FPL LED lighting and that FPL will perform the detailed design and installation of the poles, conductor, and service points. Kimley-Horn will provide a street lighting exhibit to FPL for use in their design of new LED lighting under the LT1 tariff. Use of this tariff is expected to minimize conduit needed for new street lighting. It is not expected that any conduit will need to be installed by the Town for street lighting, rather FPL will install necessary conduit when they install the new lights.

Kimley-Horn will submit deliverables for review at the following milestones:

- Survey Complete



- Utility Base Map Complete
- Equipment Location Map Complete
- Conduit Routing Complete

Kimley-Horn will address one round of reasonable comments after the review period. During the design process, we will continue to coordinate with FPL, AT&T, and Comcast to ultimately obtain their final network designs and cost estimates. An Opinion of Probable Cost for the project areas will be submitted with the Conduit Routing Final Construction Document submittal. We will also submit the plans to FPL, AT&T and Comcast for coordination purposes concurrently with the Town submittals. We have assumed that ARCOM review and approval will not be required for the landscaping that may be required to screen the above grade equipment on the project. If ARCOM approval is deemed to be required by the Town, we can provide these services as an additional service.

Town infrastructure improvements beyond the underground conversion in the Phase 4 South project area includes work at the A-6 pump station. It is understood that this work will largely occur outside of the right of way and will be handled separately from the undergrounding project by the Town. No other Town infrastructure improvements beyond this and the underground conversion are currently contemplated in the Phase 4 South area. If it becomes known through our coordination with the Town during this phase of the project that infrastructure improvements should be incorporated into the design, we can perform such design as an additional service.

### **Task 1.3 – Permitting Assistance**

It is anticipated that the following permits will be required for this project from the following agencies:

- Florida Department of Transportation (FDOT) General Utility Permit
- Florida Department of Transportation (FDOT) Landscaping Permit
- Florida Department of Transportation (FDOT) Construction Agreement and Maintenance Memorandum of Agreement (MMOA)

KHA will respond to a maximum of one (1) request for additional information from the FDOT. Additional revisions or changes in response to subsequent review comments requested by the Town shall be provided as an Additional Service. Any significant plan revisions caused by changing agency criteria after our initial design is reviewed with each appropriate agency and similar factors outside of KHA's control, additional meetings or coordination will be considered as Additional Services.

Building Department Permits, if required for service conversions, will be prepared and submitted by the Town's Construction Manager during construction.

### **Task 1.4 – Bid Phase Assistance**

Kimley-Horn will prepare the construction documents for bidding by the Town's Construction Manager. We will prepare the construction documents for bidding, attend pre-bid meetings for the north and south project areas (up to two pre-bid meetings) and respond to requests for clarification during the bidding process. We will review the bid proposals received for each project area and attend up to four meetings with the Town to discuss our comments. A summary memorandum will be provided to the Town describing the results of the bidding process.

It has been assumed that the Town or Construction Manager will prepare the “front end” bidding instructions and contract paperwork. Therefore, the preparation of these items is not included in this proposal.

#### **Task 1.5 – Easement Assistance (Phase 4)**

Kimley-Horn will coordinate with the Town Project Manager during the easement acquisition process for Phases 4 North and 4 South. We will research the online Palm Beach County Clerk’s records for evidence of existing utility easements within the project area that can be reused for this project. Title searches will not be performed. It is assumed that if a title search for easements on a particular property is required, the Town Attorney’s office will coordinate and obtain the title search results. Existing easements that are found in the public record will be plotted on the survey and utility base map.

We will develop easement exhibits for use as discussion tools during meetings with property owners to discuss the easement request. We will conduct field meetings with those property owners where easements are being sought for the proposed electric and communications equipment. The purpose of the meetings will be to explain the easement request to the property owner, address questions/concerns they may have, and work to accommodate any reasonably implementable suggestions they may have related to the placement of equipment on their property.

Easements for equipment will be defined on the construction plans. Once a verbal agreement is reached with a property owner for an easement, Kimley-Horn will provide a separate basic sketch and legal description signed and sealed by a registered Florida surveyor for the proposed easement. We have included an allowance budget for our surveyor to describe these easements, which assumes up to 126 easements for above-ground equipment will be provided under this task. This does not include easement acquisition services for significant equipment locations in Phase 4 which have been authorized under a separate purchase order.

It is understood that the preparation of the letter notices, easement documents (except the legal sketch and description), follow up and acquisition of the executed easement documents, and recording of the final executed easements will be the responsibility of the Town Project Manager and therefore have not been included in our scope of services.

#### **Task 1.6 – Meetings (Design Phase)**

Kimley-Horn and our subconsultant team members, as appropriate, will attend scheduled project meetings as described below during the design phase of the project:

- Project kick off meeting
- Project team meetings (monthly, up to 12 meetings)
- Underground Utility Task Force Meetings (monthly, up to 6 meetings)
- Town point-of-contact meetings and other general meetings with Town staff, utility owners, etc. (up to 6 meetings)
- Stakeholder meetings (FPU, FDOT, Community, etc.) (up to 6 meetings)

## Additional Services

Any services not specifically provided for in the above scope, as well as any changes in the scope requested by the Town, will be considered additional services and will be performed based on proposals approved prior to performance of the additional services.

## Information and Services Provided By the Town

The following information shall be provided to Kimley-Horn:

- Utility Record Drawing Information as may be available
- Access to the Project Areas
- Town Project Manager services to prepare letter notices, easement documentation package, coordinate the execution of easements, perform title searches (if required), and recording of easements.
- Access to Town facilities for public meetings and public gatherings as needed

## Schedule

Kimley-Horn will perform the scope of services above as expeditiously as practical to meet a mutually agreed upon schedule. It is anticipated that services will begin in March 2018 and will be completed by May 2020.

## Fee and Billing

Kimley-Horn will perform the services in Tasks 1.1 through 1.4 for the total lump sum fees listed below. Individual task amounts are informational only. All permitting, application, and similar project fees will be paid directly by the Client. Lump sum fees will be invoiced monthly based upon the overall percentage of services performed.

Task 1.1 – Phase 4 North Design	\$312,317
Task 1.2 – Phase 4 South Design	\$451,284
Task 1.3 – Permitting Assistance	\$ 14,468
Task 1.4 – Bid Phase Assistance	\$ 37,899

Kimley-Horn will perform the services in Tasks 1.5, 1.6, and 2.1 on a labor fee plus expense basis with the estimated labor and expense fees shown below. Kimley-Horn will not exceed the total maximum labor and expense fee shown without authorization from the Client. Individual task amounts are provided for budgeting purposes only. Kimley-Horn reserves the right to reallocate budgets among tasks as we deem necessary. Due to the complexity and unknown elements of the easement acquisition process, the budget amount may fluctuate greatly.

Task 1.5 – Easement Assistance (Phase 4)	\$280,270
Task 1.6 – Meetings (Design Phase)	\$77,911

An allowance budget has been provided for easement sketch and legal descriptions provided by the project surveyor. This allowance is based on the estimated 126 easements required for Phase 4.

Legal Sketch and Description Allowance (Phase4) \$ 38,230

**Closure**

In addition to the matters set forth herein, our Agreement shall include and be subject to, and only to, the terms and conditions in the Master Professional Services Agreement between the Town of Palm Beach and Kimley-Horn and Associates, Inc., Professional Engineering Services for the Town-Wide Undergrounding of Utilities Program RFQ No. 2016-07, which are incorporated by reference. As used in the Agreement, the term "CONSULTANT" shall refer to Kimley-Horn and Associates, Inc., and the term "TOWN" shall refer to The Town of Palm Beach.

If you concur in all the foregoing and wish to direct us to proceed with the services, please notify us by providing a purchase order for the scope and fee described above.

We appreciate the opportunity to provide these services to you. Please contact me at (561) 840-0820 or [kevin.schanen@kimley-horn.com](mailto:kevin.schanen@kimley-horn.com) should you have any questions.

Sincerely,



By: Kevin Schanen, P.E.  
Vice President

**Attachment**

K:\WPB\_Civil\General\Schanen\Proposals\Palm Beach\Undergrounding\Overall Program Documents and Presell\Phase Proposals\Phase 4\Undergrounding\_Phase4 Design.docx



# Change Notification to Owner

The Whiting-Turner Contracting Company  
1901 W. Cypress Creek Road, Suite 101, Fort Lauderdale, FL 33309  
Tel: (954) 776-0800 Fax: (954) 776-0797

**Project: Town-Wide Overhead Utility Undergrnding Ph.1 -**

**W-T Job Number:** 016885.100

Palm Beach County, FL

**Date:** 12/05/2017

**CN Number:** 000013

**Project Area:**

**To:** Michael Roach  
Town Of Palm Beach  
951 Old Okeechobee Road  
Suite A  
West Palm Beach, FL 33401

**From:** Matt Moo Young  
The Whiting-Turner Contracting Company  
1901 W. Cypress Creek Road  
Suite 101  
Fort Lauderdale, FL 33309

**DESCRIPTION:** Additional AT&T and Comcast conduits for Ibis Isle

**REASON:** Design

**SOURCE:**

**SCOPE OF WORK:** Additional Comcast & AT&T service conduit was requested per the Town to be installed on Ibis Isle.

**CONTRACTORS AFFECTED:** C.R. Dunn, Inc.  
Wilco Electrical, LLC

**RELATED OBJECTS:**

## AUTHORIZATION

WT REQUESTS AUTHORIZATION TO PROCEED WITH THE CHANGES DESCRIBED ABOVE.  
COST/SCHEDULE IMPACT WILL BE AS FOLLOWS:

**Cost: \$ 125,146.86**

**Funding:**

**SCHEDULE:**

- ☐ NO IMPACT  
☒ POSSIBLE IMPACT - WT REVIEWING  
☐ IMPACT TO SCHEDULE AS FOLLOWS \_\_\_\_\_

**OWNER DIRECTION:**

**DISTRIBUTION:** ☐ ORIGINAL FILE  
☐ OWNER/OWNER REP.  
☐ ARCHITECT  
☐ LENDER

- ☐ PRICE ONLY - DO NOT PROCEED UNTIL PROPOSAL IS APPROVED  
☐ PROCEED AND CONFIRM COST  
☐ PROCEED FOR NTE COST INDICATED ABOVE  
☐ PROCEED T&M  
☒ PROCEED FOR LUMP SUM COST ABOVE  
☐ PROCEED (NO IMPACT)  
☐ PROCEED AND PRICE  
☐ CANCEL  
☐ REJECTED

Other: \_\_\_\_\_

OWNER'S REPRESENTATIVE

DATE

3-13-18

**COST BREAKDOWN****DATE:** 12/05/2017**JOB NO:** 016885.100**PROJECT AREA:****CN NO:** 000013

Vendor	Description	Budget Code	Billing Amount
	Construction Contingency	016885.100.09999990.X	\$ 0.00
Wilco Electrical, LLC	Undergrounding - Wilco	016885.100.26010000.S	\$ 93,753.00
C.R. Dunn, Inc.	Undergrounding - CR Dunn	016885.100.26050000.S	\$ 28,940.00
	Bond & Insurance	016885.100.93100000.F	\$ 2,453.86
<b>Total Cost of this work:</b>			<b>\$ 125,146.86</b>

**APPROVAL:**

WHITING-TURNER REQUESTS APPROVAL OF THE FOLLOWING ACTUAL/FINAL COST FOR THIS WORK:

PROPOSAL AMOUNT: **\$ 125,146.86**

OWNER CHANGE REF: \_\_\_\_\_

SUBMITTED BY: \_\_\_\_\_

WHITING-TURNER REPRESENTATIVE

DATE

DATE: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_

OWNER'S REPRESENTATIVE

DATE

 3-13-18



**TOWN OF PALM BEACH**  
**Town-Wide Overhead Utility Undergrounding Phase 1 - South**  
**CN# 013 - Additional AT&T and Comcast Service Conduit at Ibis Isle per the Town's Request**



Description	Qty	Units	Unit Rate	Total	Time Extension Requested (calendar days)	Remarks
<b>AT&amp;T Fiber Service &amp; Private Service at Ibis Isle</b>						
Electrical Subcontractor's Pricing	1	LS	\$52,605.00	\$52,605.00	0	<i>This includes all services and private side services per the KHA sketches attached.</i>
<b>Subtotal</b>				<b>\$52,605.00</b>		
Construction Contingency				\$0.00		<i>Construction Contingency carried by the Town</i>
Bond & Insurance				\$1,052.10		
W-T Markup				\$0.00		
<b>Additional ATT Conduits at Ibis Isle Subtotal</b>				<b>\$53,657.10</b>	<b>0</b>	
<b>AT&amp;T Bore Across Ibis Way &amp; Ibis Bridge</b>						
5" Bore (between Ibis Isle east & west)	1	LS	\$7,200.00	\$7,200.00	0	
4" Bore (along Ibis Way between S. Ocean and Ibis Isle East, excluding bridge crossing)	1	LS	\$12,540.00	\$12,540.00		
Bridge Crossing	1	LS	\$9,200.00	\$9,200.00		
<b>Subtotal</b>				<b>\$28,940.00</b>		
Construction Contingency				\$0.00		<i>Construction Contingency carried by the Town.</i>
Bond & Insurance				\$578.80		
W-T Markup				\$0.00		
<b>Comcast Service Conduits at Ibis Isle Subtotal</b>				<b>\$29,518.80</b>	<b>0</b>	
<b>Comcast Service Conduit at Ibis Isle</b>						
Electrical Subcontractor's Pricing	1	LS	\$41,148.00	\$41,148.00	0	<i>This includes all services per the KHA sketches attached. Private side services are excluded.</i>
<b>Subtotal</b>				<b>\$41,148.00</b>		
Construction Contingency				\$0.00		<i>Construction Contingency carried by the Town.</i>
Bond & Insurance				\$822.96		
W-T Markup				\$0.00		
<b>Comcast Service Conduits at Ibis Isle Subtotal</b>				<b>\$41,970.96</b>	<b>0</b>	
<b>AT&amp;T AND COMCAST TOTAL</b>				<b>\$125,146.86</b>		



Electrical, LLC.

• Bus: (305) 248-9911 • Fax: (305) 669-8891

430 Business Park Way, Royal Palm Beach, FL

		39	40	41	42	
ATT	1-1"	255	150	850	270	1525
	2-1"	115	640			755
HH/Ped		1	4	5	2	12
Com	1-1"	206	1435	330	165	2136
	2-1"	70	30	255		355
pull with			100	130		230
HH/Ped		2	5	1	2	10

Att			
1-1"	1525	13 \$	19,825.00
2-1"	755	16 \$	12,080.00
Hand Hole\Ped	12	100 \$	1,200.00
MOT	15	300 \$	4,500.00
Restoration	1	15000 \$	15,000.00
Subtotal		\$	52,605.00

Comcast			
1-1"	2136	13 \$	27,768.00
2-1"	355	16 \$	5,680.00
Pull w/ others	230	-10 \$	(2,300.00)
Hand Hole\Ped	10	100 \$	1,000.00
MOT	5	300 \$	1,500.00
Restoration	1	7500 \$	7,500.00
Subtotal		\$	41,148.00
TOTAL		\$	93,753.00



# C. R. Dunn, Inc.

Electrical Construction  
1202 Pope Lane / Lake Worth, FL 33460  
(561) 585 2155 / fax (561) 585 1233  
EC 0001144

## Change Order

To: Whiting and Turner

Date: 11/9/17

Attn: Matt Moo Young

Project: Ibis Island AT&T conduits

We submit the following proposal to you on a confidential basis, the information in this proposal is not to be shared with any other person without our written permission. Proposal pertains to the following plans and specifications.

1 missile, approx 40LF, landscape restoration, as-builts	1. 2227 = <del>\$5000.00</del> \$1,900	2 missiles, approx 60LF, landscape restoration	19. 2283 = <del>\$7500.00</del> \$6,300	4 missiles, 1 approx 140 LF, ROW restoration, some hand digging, back of house, back of pool, asbuilts
4 missiles, approx 120LF, crossing 2 driveways, landscape restoration, as-builts	2. 2245 = <del>\$3000.00</del> \$1,900	1 missile, approx 40LF, landscape restoration	20. 2275 = <del>\$3500.00</del> \$2,400	
1 missile, approx. 50LF, landscape restoration, asbuilts	3. 2243 = <del>\$3000.00</del> \$1,900		21. 2284 = <del>\$2000.00</del> \$1,500	4 missiles, approx 170LF, back of house under driveway, hand dig etc., asbuilts
1 missile, approx 40LF, landscape restoration, as-builts	4. 2250 = <del>\$6000.00</del> \$4,900	2 missiles, approx 50LF, landscape restoration, asbuilts	22. 2269 = <del>\$8500.00</del> \$6,700	
2 missiles, approx 70LF, crossing driveway, landscape restoration, asbuilts.	5. 2253 = <del>\$3000.00</del> \$1,900	2 missiles, approx 170 LF, landscape restoration, asbuilts.	23. 2276 = <del>\$3000.00</del> \$1,900	2 missiles, approx 60LF, crossing driveway, landscape restoration, asbuilts.
2 missiles, approx. 70LF, crossing driveway, landscape restoration, asbuilts.	6. 2259 = <del>\$3000.00</del> \$1,900	2 missiles, landscape restoration, asbuilts	24. 2266 = <del>\$2500.00</del> \$1,800	
2 missile, approx. 70LF across driveway, asbuilts	7. 2258 = <del>\$3000.00</del> \$1,900	1 missile, approx. 50LF, landscape restoration, asbuilts	25. 2255 = <del>\$3500.00</del> \$2,300	1 missile, approx 40LF, landscape restoration, asbuilts
2 missiles, approx 80LF, crossing driveway, adjacent to utilities in ROW, asbuilts	8. 2267 = <del>\$3500.00</del> \$2,400	1 missile, approx 80, landscape restoration, asbuilts	26. 2244 = <del>\$3500.00</del> \$2,400	1 missile, approx. 50LF some hand digging, landscape restoration, asbuilts
1 missile, approx 30LF minor landscape restoration, asbuilts	9. 2263 = <del>\$3500.00</del> \$2,400	1 missile, approx. 20LF, hand digging, landscape restoration, asbuilts	27. 2236 = <del>\$3000.00</del> \$2,000	
4 missiles, approx 200LF. Some hand digging, landscape restoration, asbuilts.	10. 2273 = <del>\$4500.00</del> \$3,400		28. 2228 = \$ 500.00	
1 missile approx. 40 LF, asbuilts	11. 2285 = <del>\$3500.00</del> \$2,400		29. 300' = 1 - 5" bore pipe @ \$24.00 ft = \$7,200.00	ok -- unit rate lower than other electrical undergrounding sub
4 missiles, approx 140LF to back of house, landscape restoration, asbuilts.	12. 2291 = <del>\$3500.00</del> \$2,400		30. 4" Bore to Bridge and bridge to Ibis east 590' @ \$22.00 ft = \$12,980.00	ok -- unit rate lower than other electrical undergrounding sub
1 missile, approx. 50LF, crossing driveway, asbuilts	13. 2278 = <del>\$1500.00</del> \$1,000		31. Bridge crossing \$9,850.00	\$9,200
1 missile, approx 40 LF, asbuilts (not shown on KHA drawings)	14. 2315 = <del>\$6000.00</del> \$4,800			
	15. 2323 = <del>\$3000.00</del> \$1,900			
	16. 2308 = <del>\$8500.00</del> \$7,000			
	17. 2300 = <del>\$3500.00</del> \$2,400			
	18. 2288 = <del>\$1500.00</del> \$1,000			

**\$28,940.00**

Lump sum Price ~~\$134,030.00~~ \$104,140

Contingency for Unknown Repairs \$20,000.

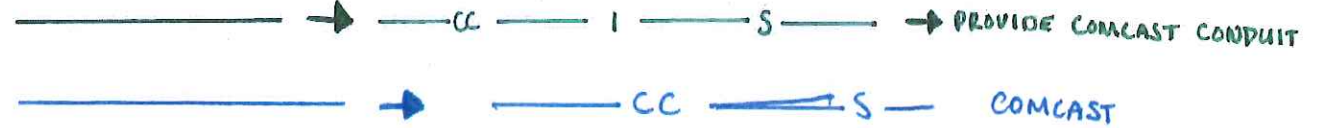
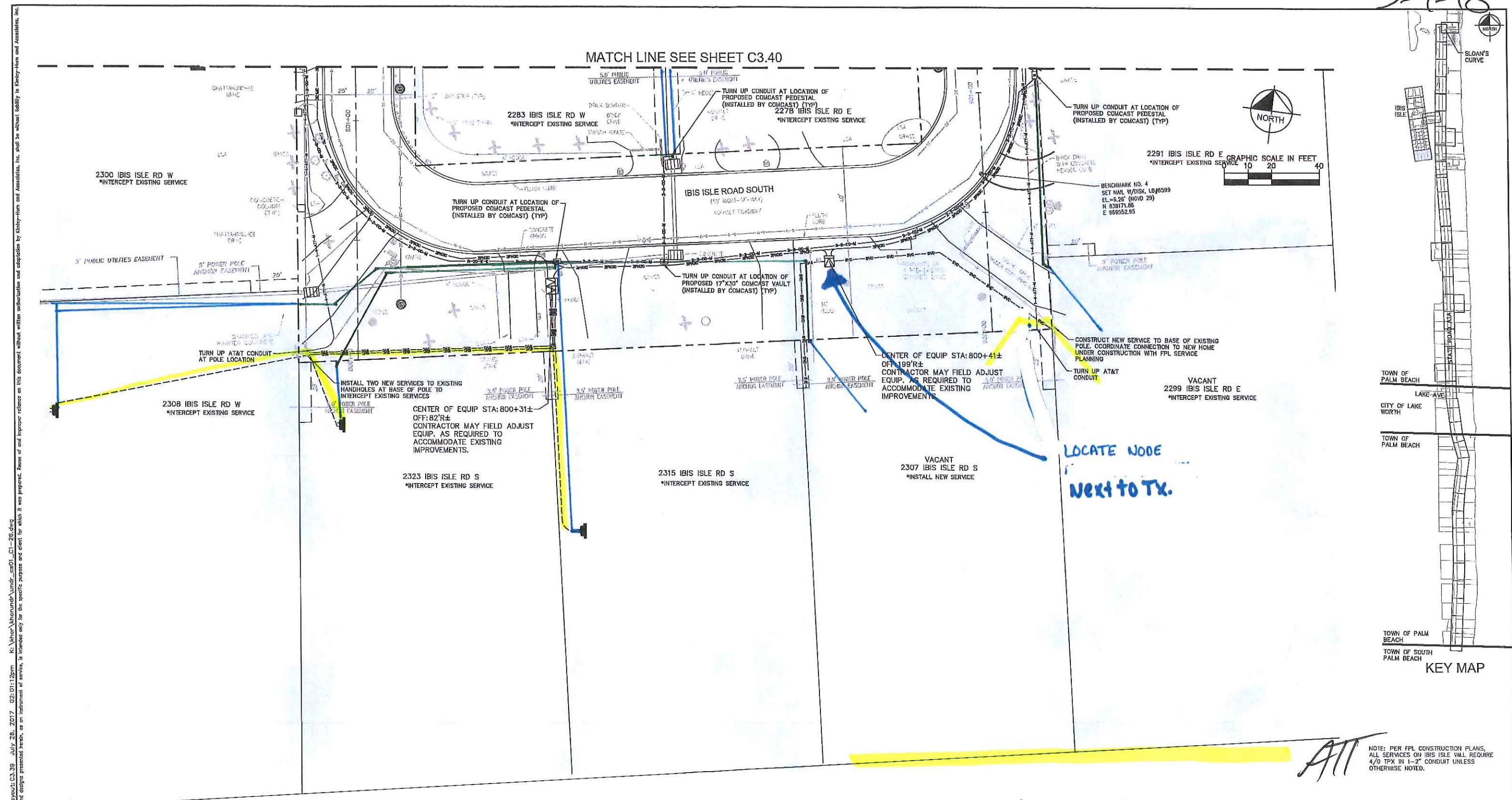
This proposal is to remain confidential. This proposal is accepted by you in any of the following methods: A) Utilizing our prices And or value engineering ideas for any purpose, including but not limited to sharing or shopping our price or ideas with any other Person. B) Requesting us to proceed with any of the work for this project. C) Written acceptance of this proposal including letter of intent to enter into a contract. Do to the increase in materials this price is good for only 30 days.

Respectfully submitted

**\$124,140.00**

Contingency to be held by construction manager until needed for construction. All remaining/unused funds to be returned to owner.

3-7-18

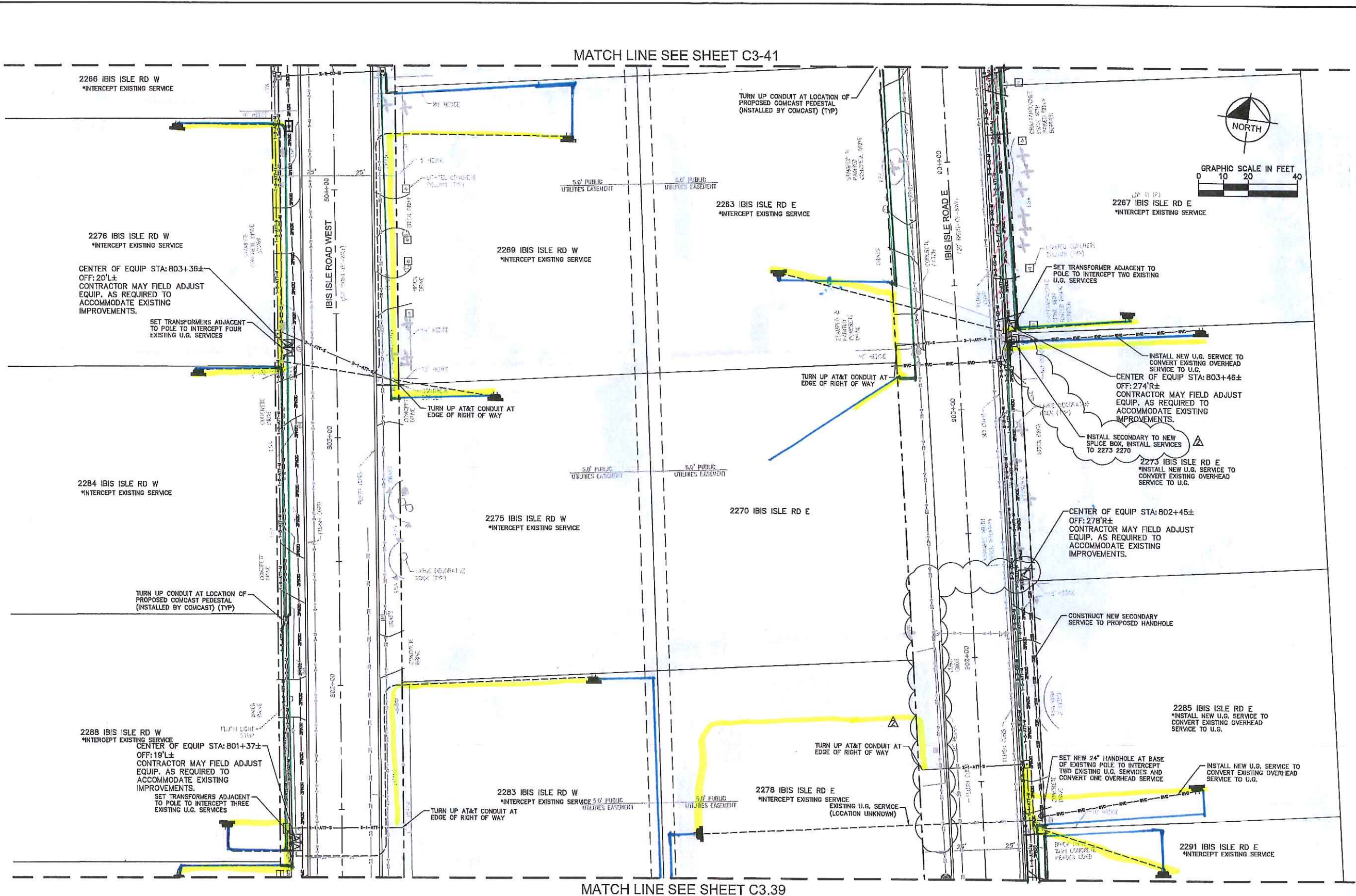


ISSUED FOR CONSTRUCTION

<p>MOCK • ROOS CONSULTING ENGINEERS 5720 Corporate Way, West Palm Beach, Florida 33407 (561) 683-3113 www.MockRoos.com</p>				<p><b>Kimley»Horn</b> © 2017 KIMLEY-HORN AND ASSOCIATES, INC. 1920 WEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0665 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM CA 00000696</p>		<p><b>TOWNWIDE UNDERGROUNDING PHASE 1</b> PREPARED FOR THE TOWN OF PALM BEACH PALM BEACH FLORIDA</p>		<p>LICENSED PROFESSIONAL SCOTT M. ROSSLOW FLORIDA LICENSE NUMBER 79365</p>		<p>CONDUIT PLANS</p>		<p>SHEET NUMBER C3.39</p>	
<p>ISSUED FOR CONSTRUCTION 7/17 SMR</p>				<p>DESIGNED BY SMR</p>		<p>DATE: ---</p>							
<p>REVISIONS SHEET 5/17 SMR</p>				<p>DRAWN BY SMR</p>									
<p>NO. REVISIONS DATE BY</p>				<p>CHECKED BY JPC</p>									



Plotted By: Scott Rossow  
Sheet Set: Undergound phase 1  
LAYOUT C3.40  
JULY 26, 2017 02:01:28pm  
K:\Work\Townwide\Undergound\c3\_40.dwg  
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and design for which it was prepared. None of our responsibility or liability is intended to be without limitation by Kimley-Horn and Associates, Inc.



ISSUED FOR CONSTRUCTION	7/17	SMR
REVISIONS SHEET	5/17	SMR
REVISIONS	DATE	BY

**MOCK ROOS**  
CONSULTING ENGINEERS  
5720 Corporate Way, West Palm Beach, Florida 33407 (561) 683-3113  
www.MockRoos.com

**Kimley-Horn**  
© 2017 KIMLEY-HORN AND ASSOCIATES, INC.  
1920 WEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411  
PHONE: 561-845-0665 FAX: 561-863-8175  
WWW.KIMLEY-HORN.COM CA 00006696

KHA PROJECT	044163188
DATE	JULY 2017
SCALE	AS SHOWN
DESIGNED BY	SMR
DRAWN BY	SMR
CHECKED BY	JPC

**TOWNWIDE UNDERGROUNDING  
PHASE 1**  
PREPARED FOR  
**THE TOWN OF PALM BEACH**  
PALM BEACH FLORIDA

LICENSED PROFESSIONAL	SCOTT M. ROSSLOW
FLORIDA LICENSE NUMBER	79365

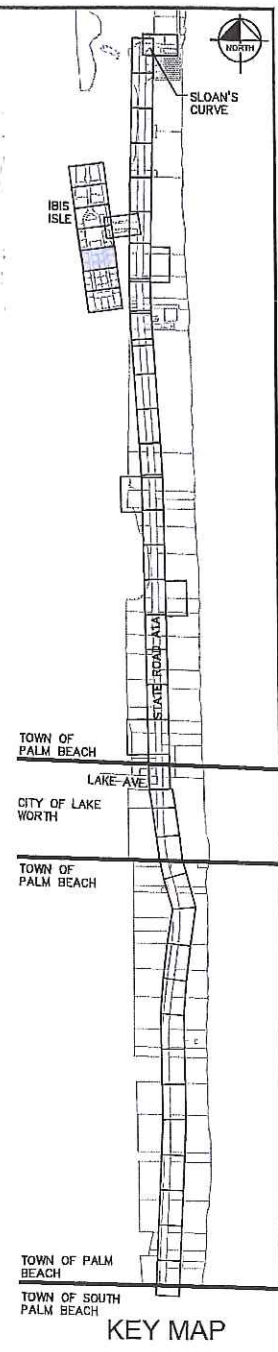
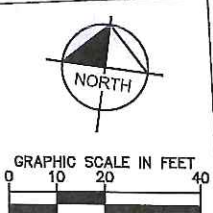
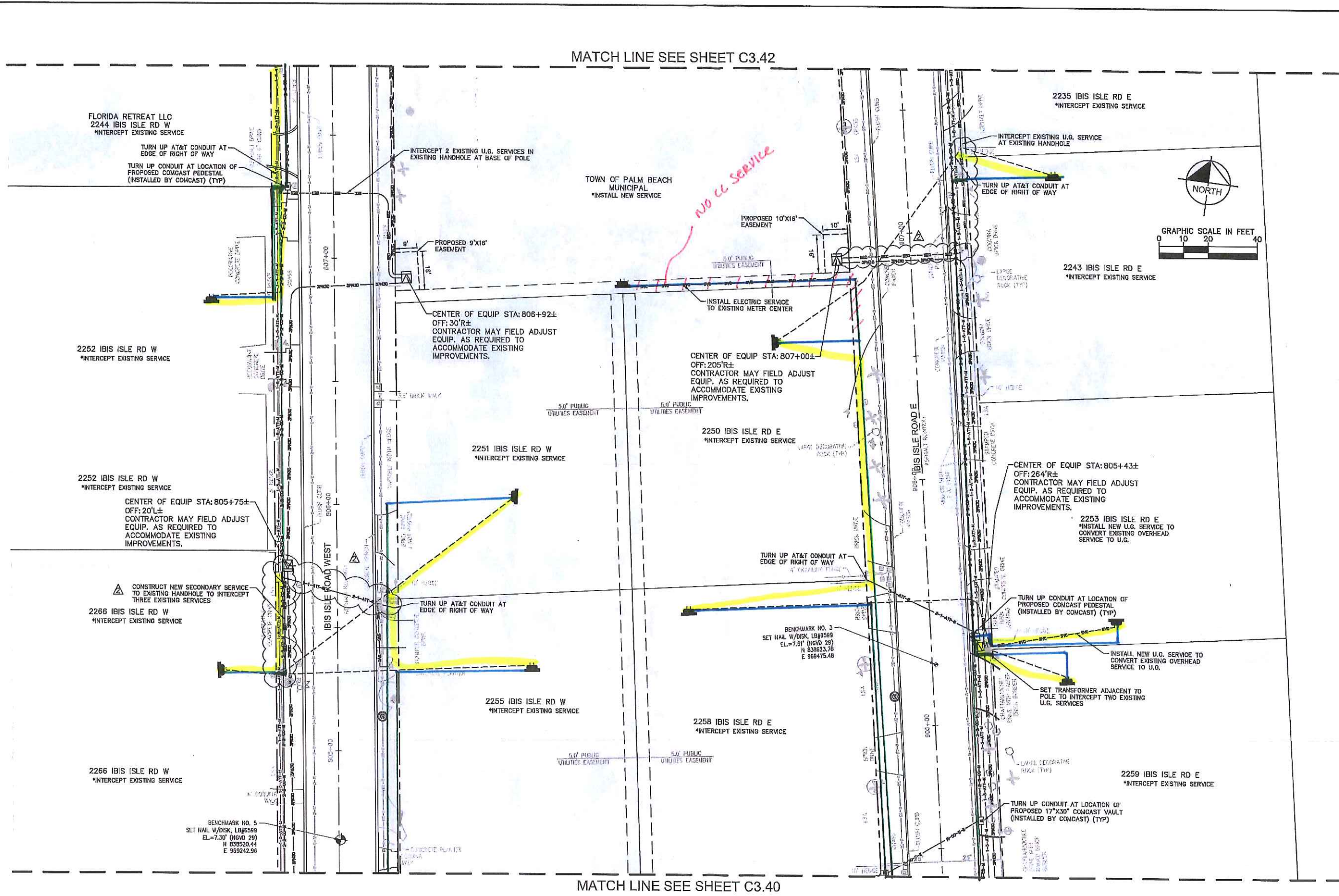
**CONDUIT PLANS**

ISSUED FOR CONSTRUCTION

SHEET NUMBER  
**C3.40**



Plotted By: Scott Rosslow  
Sheet Set: Underground Phase 1  
Layout: C3.41  
July 26, 2017 02:01:44am  
K:\Users\rosslow\OneDrive - Kimley-Horn and Associates, Inc. Files\2017\07\26\20170726\_01\_C3.41.dwg  
This document, together with the proposals and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of any information contained herein without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTE: PER FPL CONSTRUCTION PLANS,  
ALL SERVICES ON IBIS ISLE WILL REQUIRE  
4/0 TYP IN 1-2" CONDUIT UNLESS  
OTHERWISE NOTED.

ISSUED FOR  
CONSTRUCTION

MOCK • ROOS			
CONSULTING ENGINEERS			
5720 Corporate Way, West Palm Beach, Florida 33407 (561) 683-3113 www.MockRoos.com			
PA#B5040.10 DWG No. 44-43-11-06 Florida C.A. No. 48 Florida L.B. No. 48			
ISSUED FOR CONSTRUCTION	7/17	SMR	
REVISIONS SHEET	5/17	SMR	
No.	REVISIONS	DATE	BY

**Kimley»Horn**

© 2017 KIMLEY-HORN AND ASSOCIATES, INC.

1920 WEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411  
PHONE: 561-845-0665 FAX: 561-863-8175  
WWW.KIMLEY-HORN.COM CA 00000696

KHA PROJECT 044163188
DATE JULY 2017
SCALE AS SHOWN
DESIGNED BY SMR
DRAWN BY SMR
CHECKED BY JPC

**TOWNWIDE UNDERGROUNDING  
PHASE 1**

PREPARED FOR  
**THE TOWN OF PALM BEACH**

PALM BEACH FLORIDA

LICENSED PROFESSIONAL
SCOTT M. ROSSLOW
FLORIDA LICENSE NUMBER 79365
DATE: ---

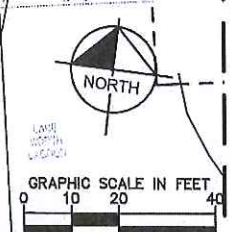
CONDUIT PLANS

SHEET NUMBER  
**C3.41**





**SLOAN'S  
CURVE**



NOTE: PER FPL CONSTRUCTION PLANS,  
ALL SERVICES ON IBIS ISLE WILL REQUIRE  
4/0 TPX IN 1-2" CONDUIT UNLESS  
OTHERWISE NOTED.

ISSUED FOR  
CONSTRUCTION

Noted By Scott Rosslew July 26, 2017 02:02:01am  
Sheet Set: Underground phase 1 Layout: C3.42  
Sheet: V:\Khorrami\Drawings\es01\_C1-28.dwg  
K:\V:\Khorrami\Drawings\es01\_C1-28.dwg  
It is noted that for the underground phase 1 layout, it was prepared. Reuse of and in proper reliance on this document without written authorization and adoption by Kinsley-Horn and Associates, Inc. shall be without liability to Kinsley-Horn and Associates, Inc.

[illegible]

<h1>Kimley»Horn</h1> <p>© 2017 KIMLEY-HORN AND ASSOCIATES, INC.</p> <p>1920 WEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411          PHONE: 561-845-0665 FAX: 561-863-8175          WWW.KIMLEY-HORN.COM CA 00000696</p>	KHA PROJECT 044163188
	DATE JULY 2017
	SCALE AS SHOWN
	DESIGNED BY SM
	DRAWN BY SM
CHECKED BY JPC	

**TOWNWIDE UNDERGROUNDING  
PHASE 1**  
PREPARED FOR  
**THE TOWN OF PALM BEACH**  
PALM BEACH, FLORIDA

LICENSED PROFESSIONAL

---

SCOTT M. ROSSLOW

FLORIDA LICENSE NUMBER  
79365

DATE: \_\_\_\_\_

CONDUIT PLANS	SHEET NUMBER C3.42
---------------	-----------------------