

# TOWN OF PALM BEACH

Information for Town Council Meeting on: October 9, 2018

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TO: Mayor and Town Council

VIA: Kirk Blouin, Town Manager

FROM: Patricia Strayer, P.E., Town Engineer

RE: **Chicane/Street Choker Installation in Phase 2 North**

DATE: September 28, 2018

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## **STAFF RECOMMENDATION**

On October 2, 2018, Town staff presented to the Underground Utility Task Force the details of installing a limited number of Chicanes or Street Chokers within Phase 2 North for undergrounding equipment.

## **GENERAL INFORMATION**

To facilitate the undergrounding of utilities project, the Town has secured numerous easements permitting utility owners the right to use private property to install and maintain undergrounding utility equipment. Optimal equipment placements are determined by the utility companies and reviewed by the Town's consulting engineering firm, Kimley-Horn, for feasibility and cost minimization. While leveraging the Town's Right of Way for equipment installation is preferred, the optimal locations are frequently determined to be located on private property due to engineering parameters, cost considerations, aesthetics and physical constraints. In cases where property owners refuse to grant voluntary easements and no feasible road shoulder exists within the right of way, the Town plans to install a Chicane/Street Choker to facilitate the program and contain the necessary equipment.

Presently, the Town plans to install traffic calming features in three areas within Phase 2 North located on Reef Road, Angler Ave and Esplanade Way, see figures C3.04, C3.13 and C3.01, respectively.

The Florida Greenbook defines the mid-block reduction of the street to a single travel lane in both directions as a "choker." This is an acceptable method of neighborhood entry control per the Florida Greenbook. Staff is using this technique to place the required undergrounding transformer where voluntary easement acquisition could not be achieved. The remaining lane width on Reef is 13', Angler 18' and on Esplanade 10' at the narrowest point (face of curb to face of curb). Please note, the referenced distance is measured at the narrowest choker point and not the lane width for the entire length of the street.

The Florida Greenbook allows lane widths of 9 feet or narrower under constrained conditions, however, since we have more than 9 feet of lane width, we do not need a design exception. Our current lane width at the narrowest point of 10' is acceptable according to the Code (Code sections are attached for reference.) According to the FDOT permit obtained by the Town related to the largest fire engine (it is a

very heavy vehicle and required a permit), the width of the truck is 8'-6". There will be no issue for this truck to be able to pass by the traffic calming feature.

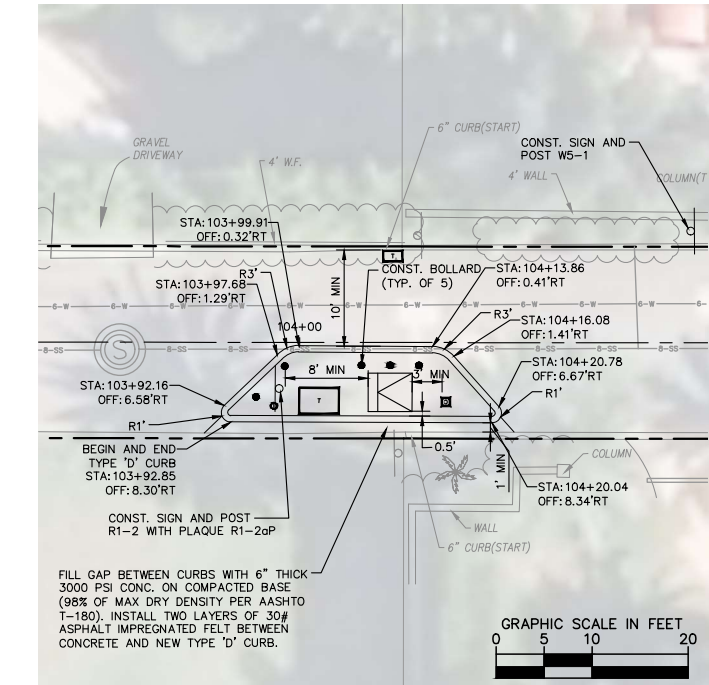
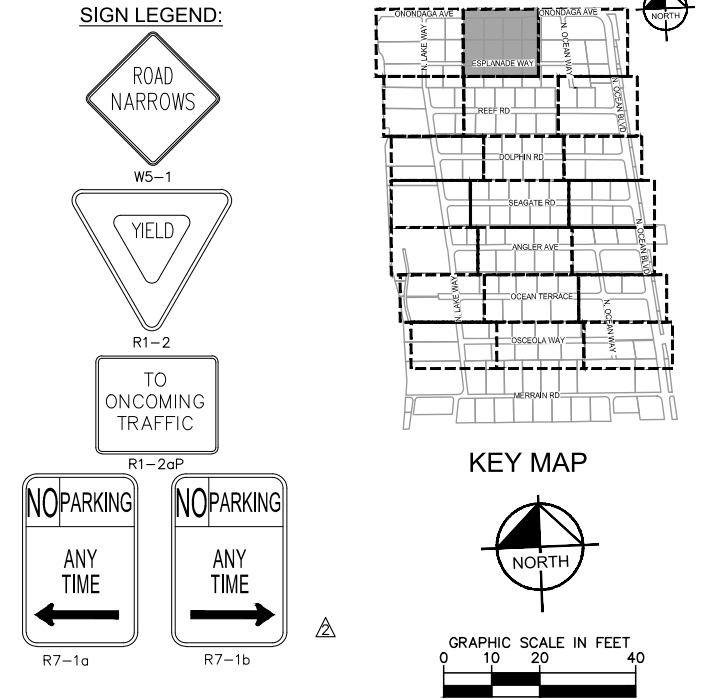
### **FUNDING/FISCAL IMPACT**

Funding for these services are available from the Underground Utility Project Fund leveraging the previously approved budget using proceeds of the GO Bond program. Utilizing traffic calming features avoids the need to utilize condemnation to acquire easements.

### **PURCHASING REVIEW**

Not Applicable

Plotted By: Dombrowski, Kollin  
Sheet Set: TOWN-WIDE UNDERGROUNDING PHASE 2  
Layout: C3.01 FPL CONDUIT PLAN  
September 19, 2018 02:08:51pm  
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No.	REVISIONS	DATE	BY
1	REVISION 3: COMCAST ADDITIONAL CONDUIT	09/20/2018	KMS
2	REVISION 2: ISSUED FOR CONSTRUCTION	08/31/2018	KMS
3	REVISION 1: JUNE REVISIONS	06/30/2018	KMS

**Kimley»Horn**

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WWW.KIMLEY-HORN.COM CA 00000696

KHA PROJECT  
044063202  
DATE  
SEPT 2018  
SCALE AS SHOWN  
DESIGNED BY AKP  
DRAWN BY KED  
CHECKED BY KMS

**TOWN-WIDE UNDERGROUNDING  
PHASE 2**

PREPARED FOR  
**TOWN OF PALM BEACH**

LICENSED PROFESSIONAL  
KEVIN M. SCHANEN  
FL LICENSE NUMBER  
60251  
FL DATE: 09/10/2018

**FPL CONDUIT PLAN**

SHEET NUMBER  
**C3.01**



Plotted By: Dombrowski, Kaitlin  
Sheet Set: TOWN-WIDE UNDERGROUNDING PHASE 2, Layout: C3.04, FPL CONDUIT PLAN, September 14, 2018, 02:48:32pm, K:\WPB\Civil\044063202 - Phase 2 Design\Phase 2 North\CAD\Plotsheets\C3.04 FPL CONDUIT PLAN.dwg  
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NOTE: INSTALL 3" #57 STONE OVER WEED CLOTH WITHIN INTERIOR CHICANE AREA

MATCH LINE A, SEE SHEET C3.01

MATCH LINE STA: 201+81, SEE SHEET C3.03

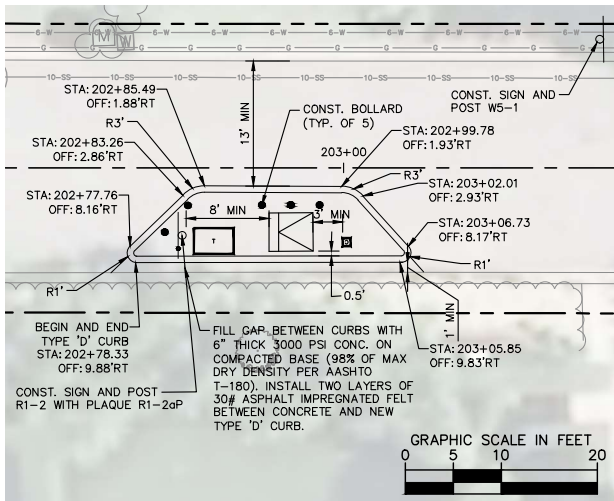
MATCH LINE C, SEE SHEET C3.06

MATCH LINE D, SEE SHEET C3.07

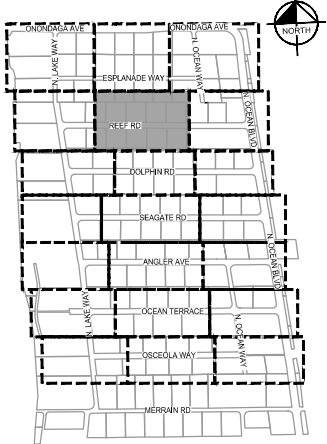
MATCH LINE A, SEE SHEET C3.01

MATCH LINE B, SEE SHEET C3.02

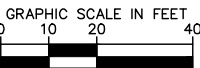
MATCH LINE STA: 206+73, SEE SHEET C3.05



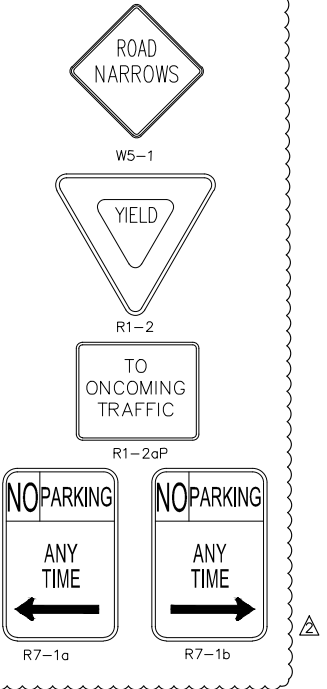
DETAIL B



KEY MAP



SIGN LEGEND:



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PALM BEACH

LICENSED PROFESSIONAL

KEVIN M. SCHANEN

FL LICENSE NUMBER  
60251

FL DATE: 09/10/2018

**FPL CONDUIT PLAN**

SHEET NUMBER

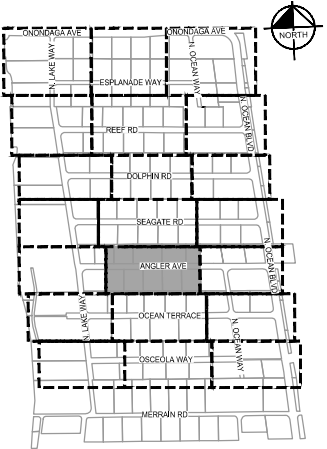
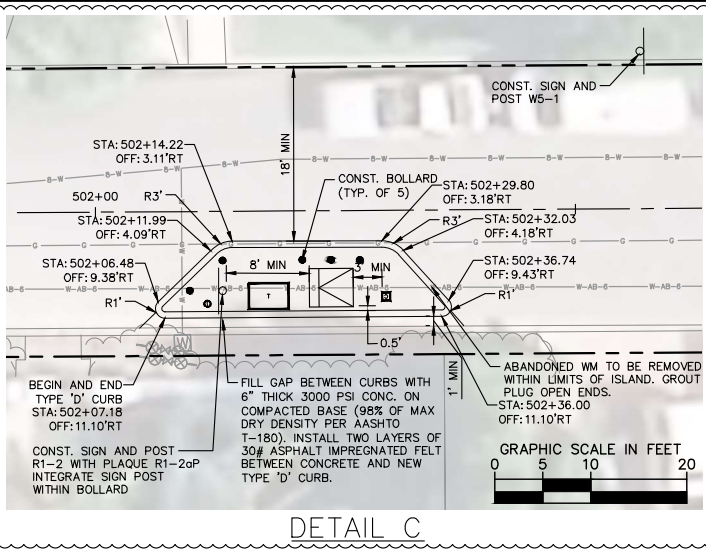
**C3.04**

No.	REVISIONS	DATE	BY
1	REVISION 2: ISSUED FOR CONSTRUCTION	08/31/2018	KMS
2	REVISION 1: JUNE REVISIONS	06/30/2018	KMS



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NOTE: INSTALL 3" #57 STONE OVER WEED CLOTH WITHIN INTERIOR CHICANE AREA

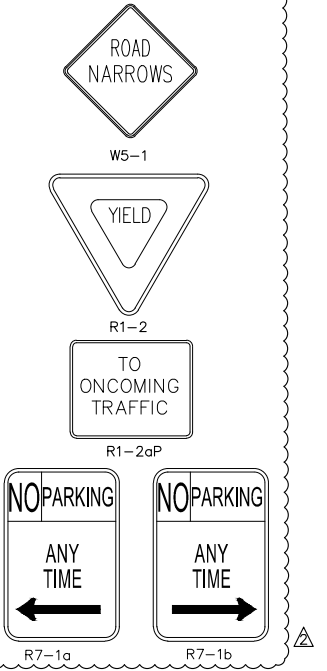


KEY MAP



GRAPHIC SCALE IN FEET  
0 10 20 40

SIGN LEGEND:



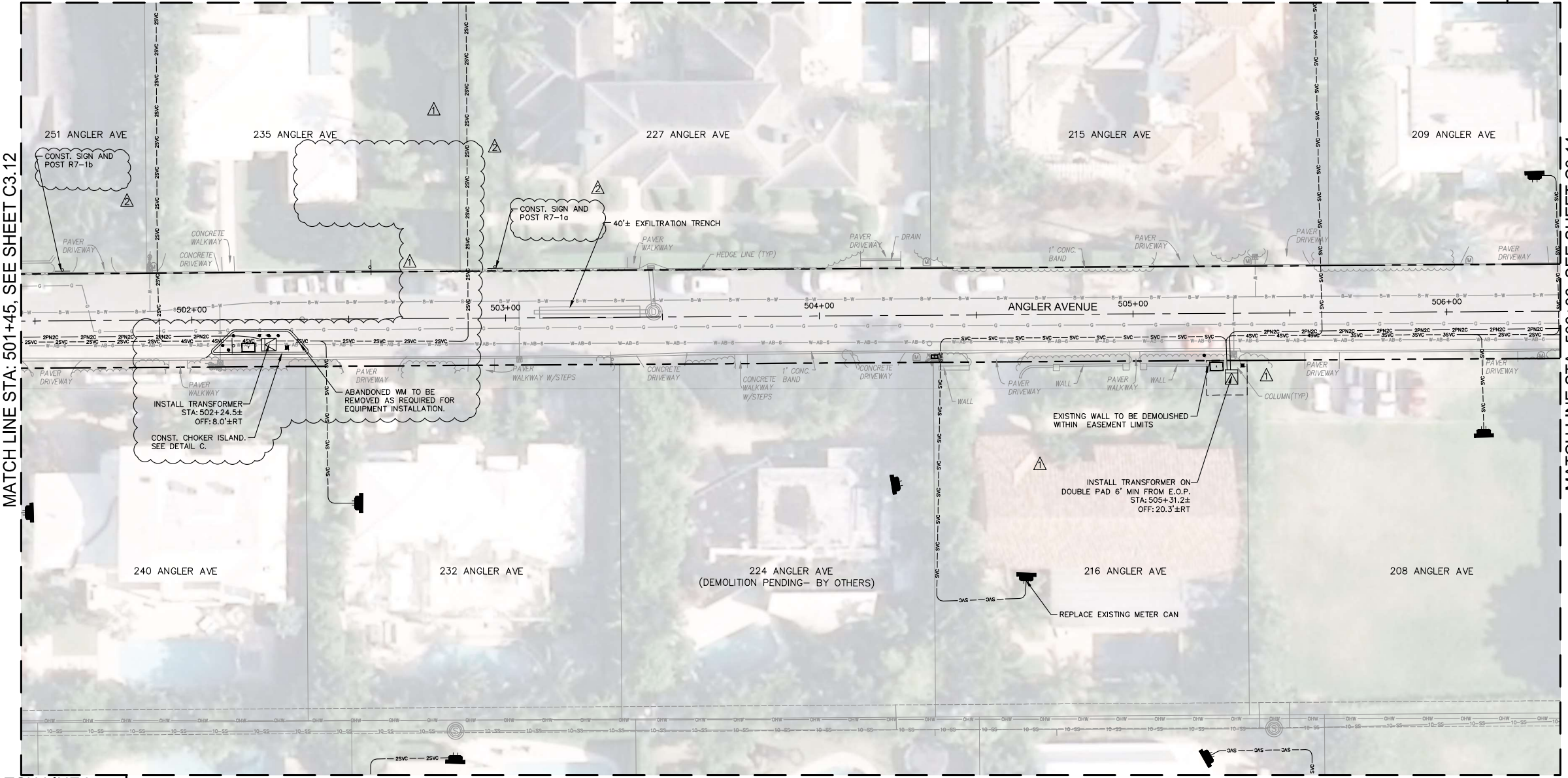
ISSUED FOR CONSTRUCTION

CALL 2 WORKING DAYS BEFORE YOU DIG  
IT'S THE LAW! DIAL 811  
Know what's below. Call before you dig.  
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

MATCH LINE K  
SEE SHEET C3.11

MATCH LINE J, SEE SHEET C3.10

MATCH LINE STA: 506+36, SEE SHEET C3.14



MATCH LINE L  
SEE SHEET C3.15

MATCH LINE M, SEE SHEET C3.16

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**C3.13**

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1	REVISION 2: ISSUED FOR CONSTRUCTION	08/31/2018	KMS
2	REVISION 1: JUNE REVISIONS	06/30/2018	KMS





2018/09/19





TO  
ONCOMING  
TRAFFIC

2018/09/19