

**CONTRACT FOR SYSTEM HARDENING AND RELIABILITY IMPROVEMENTS
WORK ORDER NO. 7**

THIS WORK ORDER for System Hardening and Reliability Improvements (“Work Order” hereafter) is made on the _____, 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 **Hooper Corporation**, a foreign for profit corporation authorized to do business in State of Florida (“Contractor” hereafter).

1.0 Project Description:

The City desires the Contractor to provide all goods, services, materials and equipment as identified herein related to the System Hardening and Reliability Improvements project generally described as: **6th Ave S 0601 System Hardening and Voltage Conversion** (the “Project”). The Project is more specifically described in the plans prepared by Hooper Corporation, dated May 29, 2024, and which are incorporated herein by reference.

2.0 Scope

Under this Work Order, the Contractor will provide the City of Lake Worth Beach with construction services for the Project as specified in the **Contractor’s proposal and drawings attached hereto and incorporated herein as Exhibit “1”**.

3.0 Schedule and Liquidated Damages

Substantial completion of all services and work under this Work Order shall be within **180 calendar days** from the Effective Date of this Work Order. Final completion of all services and work (and all punch-list items (if any)) under this Work Order shall be within **210 calendar days** from the Effective Date of this Work Order. The Effective Date of this Work Order is the date following the parties’ execution of this Work Order and the City’s delivery of a Notice to Proceed to the Contractor via e-mail, facsimile or other form of delivery as documented by the City. Substantial completion occurs when the services and work has progressed to the point where, in the opinion of the City, the work is sufficiently complete in accordance with the Contract Documents and this Work Order, so that the Project can be utilized for the purposes for which it is intended. Final completion occurs when all services and work (including punch-list items) has been completed and the project becomes fully operational and accepted by the City.

Liquidated Damages. The City and Contractor recognize that time is of the essence under this Work Order and the Contract Documents, and that the City will suffer financial loss if the services and work described in this Work Order and the Contract Documents are not completed within the times specified in this Work Order. The City and Contractor recognize, agree and acknowledge that it would be impractical and extremely difficult to ascertain and fix the actual damages that the City would suffer in the event Contractor neglects, refuses, or otherwise fails to complete the services and work within the time specified. Accordingly, instead of requiring any such proof, the City and Contractor agree that as liquidated damages for delay (but not as a penalty) Contractor shall pay the City Five hundred dollars (\$500.00) for each day that expires after the time specified in this Work Order.

4.0 Compensation and Direct Purchases

This Work Order is issued for a lump sum, not to exceed amount of **\$550,912.07**. The total not to exceed amount includes contingency of **\$91,818.68**. The attached proposal identifies all costs and expenses included in the Work Order.

5.0 The following Direct Purchases are to be made under this Work Order by the City: **N/A**

The Project Manager for the Contractor is Gary Shortridge, phone: 313-573-5165; email: gshortridge@hoopercorp.com; and, the Project Manager for the City is David Martyniuk, phone: 561-586-1629; email: dmartyniuk@lakeworthbeachfl.gov.

6.0 Progress Meetings

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

7.0 Contractor's Representations

In order to induce the City to enter into this Work Order, the Contractor makes the following representations:

7.1 Contractor has familiarized itself with the nature and extent of the Contract Documents including this Work Order, work, site, locality, and all local conditions and laws and regulations that in any manner may affect cost, progress, performance or furnishing of the work.

7.2 Contractor has obtained at his/her own expense and carefully studied, or assumes responsibility for obtaining and carefully studying, soil investigations, explorations, and test reports which pertain to the subsurface conditions at or contiguous to the site or otherwise may affect the cost, progress, performance or furnishing of the work as Contractor considers necessary for the performance or furnishing of the work at the stated work order price within the Work Order stated time and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of the IFB; and no additional examinations, investigations, explorations, tests, reports, studies or similar information or data are or is deemed necessary by Contractor for such purposes.

7.3 Contractor has reviewed and checked all information and data shown or indicated on the Contract Documents with respect to existing Underground Facilities at or contiguous to the site and assumes responsibility for the accurate location of said Underground Facilities. No additional examinations, investigations, explorations, tests, reports, studies or similar information or data in respect of said Underground Facilities are or is deemed necessary by the Contractor in order to perform and furnish the work under this Work Order price, within the Work Order time and in accordance with the other terms and conditions of the Contract Documents.

7.4 Contractor has correlated the results of all such observations, examinations, investigations, explorations, tests, reports and studies with the terms and conditions of the Contract Documents.

7.5 Contractor has given the City's Contract Administrator written notice of all conflicts, errors or discrepancies that he or she has discovered in the Contract Documents and the written resolution thereof by City or its designee is acceptable to the Contractor.

8.0 Warranty. The Contractor warrants and guarantees to the City that all services and work provided under this Work Order will be in accordance with this Work Order and the other Contract Documents. The Contractor warrants that (a) all materials and parts supplied under this Work Order shall be free from defects for one (1) year from the final completion of all work (unless a longer manufacturer warranty applies); (b) all services and work performed under this Work Order will be free from defects for one (1) year from the final completion of all work and the project shall be fully operational without unreasonable downtime or failures; and (c) that the services and work will conform to the requirements of the Contract Documents. If, at any time prior to the expiration of the one (1) year warranty period, the City discovers any failure or breach of the Contractor’s warranties or the Contractor discovers any failure or breach of the Contractor’s warranties, the Contractor will, upon written notice from City or of its own accord, at the Contractor’s sole cost and expense, promptly correct such failure or breach (which corrective action must include, without limitation, any necessary removal, disassembly, reinstallation, repair, replacement, reassembly, retesting, and/or re-inspection of any part or portion of the work and any other property damaged or affected by such failure, breach, or corrective action). The Contractor will remedy any such failure or breach so, to the extent possible, to avoid unnecessary disruptions to the operations of City or its systems. In the event the Contractor fails to initiate and diligently pursue corrective action within five (5) days of the Contractor’s receipt of the City’s notice or the Contractor’s discovery of the same, the City may undertake such corrective action at the Contractor’s expense.

9.0 Authorization

This Work Order is issued pursuant to the System Hardening and Reliability Improvements Contract for between the City of Lake Worth Beach and the Contractor, dated 09/28/2023, (“Contract” hereafter). If there are any conflicts between the terms and conditions of this Work Order and the Contract, the terms and conditions of the Contract shall prevail.

REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK

SIGNATURE PAGE FOLLOWS

IN WITNESS WHEREOF, the parties hereto have made and executed this Work Order as of the day and year set forth above.

CITY OF LAKE WORTH BEACH, FLORIDA

By: _____
Betty Resch, Mayor

ATTEST:

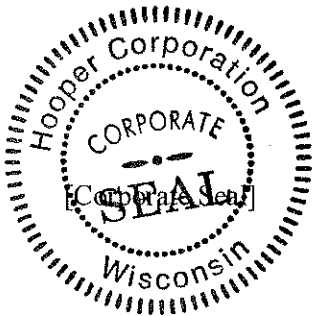
By: _____
Melissa Ann Coyne, MMC, City Clerk

APPROVED AS TO FORM AND
LEGAL SUFFICIENCY:

APPROVED FOR FINANCIAL
SUFFICIENCY

By: _____
Glen J. Torcivia, City Attorney

By: _____
Yannick Ngendahayo, Financial Services Director



CONTRACTOR:

HOOPER CORPORATION

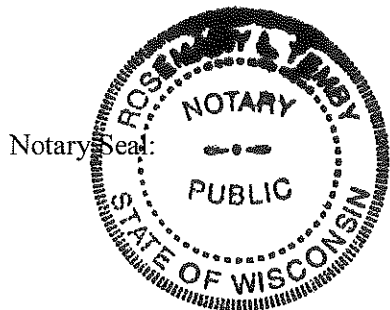
By: _____

Print Name: Bruce Cram

Title: Vice President

STATE OF Wisconsin)
COUNTY OF Dane)

THE FOREGOING instrument was acknowledged before me by means of • physical presence or • online notarization on this 10th day of June 2024, by Bruce Cram, as the Vice President [title] of **Hooper Corporation**, a foreign profit 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 CONTRACTOR to the same.



Notary Public Signature
My Commission Expires 02/01/2027

Exhibit “1”
(Contractor’s Proposal – 34 pages)



May 29, 2024

Reference: 6th Ave S Hardening Circuit 4R0601 R2

Start Date: TBD

Completion Date: TBD

Project: 6th Ave. S 0601 System Hardening and Voltage Conversion.

Project Location: 6th Ave. S., Lake Worth Beach FL 33460

Scope of Work: Voltage conversion and system hardening of 0601 feeder. The feeder will be re-energized to 26kV at the pole that is east of 7th Ave S and S K Street. This location is identified on page 7 of the construction prints. All work that shall be included is identified in a revised drawing for the contractor. This includes overhead feeder lines with ductile iron poles with 3 phase conductor runs. Step down transformers must be installed to maintain the laterals operating on 4kV. The 3-phase feeder will be re-conducted with 3-556 and 4/0N and removal of existing conductors. All existing open wire secondary will be replaced with 4/0 triplex. When the open wire extends outside of the work area the secondary will be replaced to the first adjacent pole. All lateral work will be constructed by City of Lake Worth Beach staff. All locations of poles and conductor runs are identified in construction prints. Specifications will take precedence over drawings if Owner confirms accuracy of contradiction agrees with specification.

Controlling Documents:

- Distribution Hardening and Voltage Conversion Project email received 4/30/2024 (Attached)
- IFB 0601 Storm Hardening and Voltage Conversion.docx
- Circuit 0601_Issued For Construction 04_16_2024 Rev1.pdf
- Circuit 0601_Issued For Construction 04_16_2024.pdf

Clarifications:

- Pole Location 4-558 does not include any UG Feeder installation.
- City of Lake Worth Beach will provide laydown yard.
- City of Lake Worth Beach will provide all materials.
- Hooper is responsible for sidewalk and asphalt repairs.
- Hooper shall have access to all work locations.
- Hooper will notify Lake Worth Beach of any conflicts with other utilities.
- All poles with 3rd party attachments will be top cut.
- Hooper doesn't foresee any required MOT permit being required. In the event it is needed Hooper will be responsible for the MOT permit.

- Pole Location 108 & 111 have been changed from Ductile Iron to 55/1 Wood Poles

Estimated Duration of work for project is 16 weeks.

Proposed Pricing is: \$459,093.39.

ITEM	UOM	QTY	EXTENDED PRICE	LOCATION
Location 4-558				\$ 11,657.71
Install 55/H6 Ductile Iron Pole	Ea	1	\$ 2,147.98	
Install Crossarm	Ea	2	\$ 859.06	
Layout Primary on Hot Arms	Ea	6	\$ 1,288.56	
Transfer Primary to New Pole	Ea	6	\$ 1,288.56	
Install Bracket for 900 amp Disconnects	Ea	1	\$ 128.87	
Install 900 amp Disconnects	Ea	3	\$ 386.61	
Install Lightning Arresters	Ea	3	\$ 386.61	
Install Jumpers	Ea	3	\$ 644.28	
Install Neurtal Clevis	Ea	2	\$ 171.80	
MX Transfer	Ea	4	\$ 859.04	
Neutral Transfer	Ea	1	\$ 171.79	
Remove Crossarm	Ea	2	\$ 343.58	
Top Cut Pole	Ea	1	\$ 128.87	
Install Ground Rod	Ea	1	\$ 171.79	
Install Guys	Ea	2	\$ 429.52	
Install Anchors	Ea	2	\$ 515.46	
Install 3 - 556 & 1 4/0N	LF	97	\$ 1,201.83	
Remove 3 - 336 & 4/0TN	LF	97	\$ 533.50	
Location 4-559 (16)				\$ 15,472.92
Install 55/H5 Ductile Iron	Ea	1	\$ 2,147.98	
Install 9/16" Guy	Ea	1	\$ 214.76	
Install 7/16" Guy	Ea	1	\$ 214.76	
Install MH-25" LD	Ea	1	\$ 257.73	
Install MH-30" LD	Ea	1	\$ 257.73	
Install Tangent Cross Arm	Ea	2	\$ 687.26	
Install Cross Arm Deadend	Ea	1	\$ 429.53	
Install Jumpers	Ea	5	\$ 858.95	
Install Ground Rod	Ea	1	\$ 171.79	
Install St. Light	Ea	1	\$ 171.79	
Lay Out Conductor	Ea	9	\$ 1,855.71	
Transfer Conductor to New Pole	Ea	12	\$ 3,092.76	
Transfer Secondary	Ea	2	\$ 429.52	
Neutral Transfer	Ea	1	\$ 171.79	
Remove Tangent Cross Arm	Ea	2	\$ 343.58	
Remove Cross Arm Deadend	Ea	1	\$ 257.73	
Saw Cut Concrete	Ea	1	\$ 257.73	
Remove 9/16" Guy	Ea	1	\$ 128.87	
Remove 7/16" Guy	Ea	1	\$ 128.87	
Remove MH-25" LD	Ea	1	\$ 128.87	
Remove MH-30" LD	Ea	1	\$ 128.87	
Remove 50/3A (Concrete)	Ea	1	\$ 859.05	

Remove St Light	Ea	1	\$	85.90
Sidewalk Restoration	Ea	1	\$	688.63
Install 3 - 556 & 1 4/0N	LF	84	\$	1,040.76
Remove 3 - 336 & 4/0TN	LF	84	\$	462.00

Location 4-47 (24)

\$ 16,867.09

55/H6 Ductile Iron	Ea	1	\$	2,147.98
Lay Out Conductor	Ea	6	\$	1,288.56
Transfer Duplex	Ea	1	\$	171.79
Transfer Neutral	Ea	1	\$	171.79
Lay Out Conductor	Ea	6	\$	1,546.38
Transfer Deadends	Ea	6	\$	4,123.56
Install 900 Amp Disconnect	Ea	3	\$	644.28
Install Insulators & Brackets	Ea	3	\$	515.37
Install ground rod	Ea	1	\$	171.79
Install Jumpers	Ea	6	\$	1,030.74
Install Neutral Bracket	Ea	1	\$	85.90
Transfer Neutral	Ea	1	\$	171.79
Transfer Camera	Ea	1	\$	343.63
Top Cut (Concrete)	Ea	1	\$	343.63
Remove 45II (Concrete)	Ea	1	\$	859.05
Remove 900 Amp Disconnect	Ea	3	\$	386.61
Removel Insulators & Brackets	Ea	3	\$	386.61
Sidewalk Restoration	Ea	1	\$	688.63
Install 3 - 556 & 1 4/0N	LF	100	\$	1,239.00
Remove 3 - 336 & 4/0TN	LF	100	\$	550.00

Location 4-47A (25)

\$ 13,212.11

55/H6 Ductile Iron	Ea	1	\$	2,147.98
Lay Out Conductor	Ea	6	\$	1,288.56
Transfer Deadends	Ea	6	\$	3,092.52
Install Insulators & T Brackets	Ea	3	\$	515.37
Install Jumpers	Ea	6	\$	1,030.74
Install ground rod	Ea	1	\$	171.79
Install Neutral Bracket	Ea	1	\$	128.87
Transfer Neutral	Ea	1	\$	171.79
Remove 45II (Concrete)	Ea	1	\$	859.05
Top Cut (Concrete)	Ea	1	\$	343.63
Remove Insulators & Brackets	Ea	1	\$	128.87
Remove Jumpers	Ea	6	\$	515.40
Sidewalk Restoration	Ea	1	\$	688.63
Install 3 - 556 & 1 4/0N	LF	119	\$	1,474.41
Remove 3 - 336 & 4/0TN	LF	119	\$	654.50

Location 4-47A (26)				\$ 13,708.31
55/H6 Ductile Iron	Ea	1	\$	2,147.98
Frame Mod Vertical	Ea	1	\$	429.53
Lay Out Conductor	Ea	4	\$	859.04
Transfer Conductor to New Pole	Ea	3	\$	644.28
Jumpers	Ea	4	\$	687.16
Transfer Neutral	Ea	3	\$	515.37
Transfer St Light	Ea	1	\$	300.66
Transfer MX	Ea	2	\$	515.46
Install Crossarm	Ea	1	\$	343.63
Primary DE Transfer	Ea	4	\$	1,374.52
Install ground rod	Ea	1	\$	171.79
Cluster Mount	Ea	1	\$	128.87
Isolation Transformers	Ea	2	\$	1,546.30
Switch Bracket	Ea	1	\$	128.87
Install CO & LA	Ea	2	\$	429.52
Remove Framing	Ea	1	\$	859.05
Top Cut Pole	Ea	1	\$	85.90
Install 3 - 556 & 1 4/0N	LF	142	\$	1,759.38
Remove 3 - 336 & 4/0TN	LF	142	\$	781.00

Location 6017 (39)				\$ 10,099.95
55/H6 Ductile Iron	Ea	1	\$	2,147.98
Lay Out Conductor	Ea	3	\$	644.28
Transfer Conductor to New Pole	Ea	3	\$	1,546.26
Transfer Neutral	Ea	1	\$	171.79
Transfer St Light	Ea	1	\$	257.73
Transfer MX	Ea	2	\$	429.52
Frame Mod Vertical	Ea	1	\$	386.56
Install ground rod	Ea	1	\$	171.79
Lighting Arresters	Ea	3	\$	515.37
Ground Rod	Ea	1	\$	171.79
Top Cut Pole	Ea	1	\$	85.90
Remove Framing	Ea	1	\$	386.56
Install 3 - 556 & 1 4/0N	LF	178	\$	2,205.42
Remove 3 - 336 & 4/0TN	LF	178	\$	979.00

Location 3-916 (27)				\$ 9,364.04
DUCTILE IRON,45,H6	Ea	1	\$	2,147.98
Lay Out Conductor	Ea	1	\$	214.76
Install Crossarm	Ea	1	\$	429.53

Transfer Deadends to New Pole	Ea	3	\$	1,030.89
Transfer Neutral	Ea	1	\$	171.79
Transfer MX	Ea	4	\$	1,030.92
Transfer St Light	Ea	1	\$	257.73
Install Cluster Mount	Ea	1	\$	128.87
Install Transformer	Ea	2	\$	1,374.52
Install CO & LA	Ea	2	\$	429.52
Install Ground rod	Ea	1	\$	171.79
Install Jumpers	Ea	3	\$	515.37
Remove Framing	Ea	1	\$	1,374.47
Top Cut Pole	Ea	1	\$	85.90

Location 3-920 (32)

\$ 6,461.68

DUCTILE IRON,45,H6	Ea	1	\$	2,147.98
Lay Out Conductor	Ea	1	\$	171.79
Frame Single Phase	Ea	1	\$	300.66
Transfer Primary	Ea	1	\$	171.79
Transfer Neutral	Ea	1	\$	128.87
Transfer St Light	Ea	1	\$	257.73
Install CO & Bracket	Ea	1	\$	214.76
Install Transformer	Ea	1	\$	687.26
Install Sec Attachment	Ea	1	\$	85.90
Install Ground Rod	Ea	1	\$	171.79
Install Jumper	Ea	1	\$	171.79
Install 4/0 Triplex	LF	141	\$	726.15
Remove OW Sec	LF	141	\$	580.92
Remove Framing	EA	1	\$	644.29

Location 3-xxx (32A)

\$ 6,081.61

DUCTILE IRON,45,H6	Ea	1	\$	2,147.98
Lay Out Conductor	Ea	1	\$	171.79
Frame Single Phase	Ea	1	\$	300.66
Transfer Primary	Ea	1	\$	171.79
Transfer Neutral	Ea	1	\$	128.87
Transfer St Light	Ea	1	\$	257.73
Install CO & Bracket	Ea	1	\$	214.76
Install Transformer	Ea	1	\$	687.26
Install Sec Attachment	Ea	1	\$	85.90
Install Ground Rod	Ea	1	\$	171.79
Install Jumper	Ea	1	\$	171.79
Install 4/0 Triplex	LF	100	\$	515.00
Remove OW Sec	LF	100	\$	412.00
Remove Framing	EA	1	\$	644.29

Location 3-836 (40)				\$ 14,005.74
55/H6 Ductile Iron	Ea	1	\$	2,147.98
Frame Mod Vertical	Ea	1	\$	429.53
Lay Out Conductor	Ea	4	\$	859.04
Transfer Conductor to New Pole	Ea	3	\$	644.28
Jumpers	Ea	4	\$	687.16
Transfer Neutral	Ea	3	\$	515.37
Transfer St Light	Ea	1	\$	300.66
Transfer MX	Ea	3	\$	773.19
Install Crossarm	Ea	1	\$	343.63
Primary DE Transfer	Ea	2	\$	687.26
Install ground rod	Ea	1	\$	171.79
Cluster Mount	Ea	1	\$	128.87
Isolation Transformers	Ea	2	\$	1,546.30
Switch Bracket	Ea	1	\$	128.87
Install CO & LA	Ea	2	\$	429.52
Remove Framing	Ea	1	\$	859.05
Top Cut Pole	Ea	1	\$	85.90
Install 3 - 556 & 1 4/0N	LF	136	\$	1,685.04
Remove 3 - 336 & 4/0TN	LF	136	\$	748.00
Install 4/0 Triplex	LF	90	\$	463.50
Remove OW Sec	LF	90	\$	370.80

Location 3-837 (44)				\$ 10,858.75
55/H6 Ductile Iron	Ea	1	\$	2,147.98
Frame Mod Vertical	Ea	1	\$	429.53
Lay Out Conductor	Ea	4	\$	859.04
Transfer Conductor to New Pole	Ea	3	\$	644.28
Jumpers	Ea	4	\$	687.16
Transfer Neutral	Ea	3	\$	515.37
Transfer St Light	Ea	1	\$	300.66
Transfer MX	Ea	1	\$	257.73
Install CO & LA	Ea	3	\$	644.28
Install ground rod	Ea	1	\$	171.79
Remove Framing	Ea	1	\$	859.05
Top Cut Pole	Ea	1	\$	85.90
Install 3 - 556 & 1 4/0N	LF	182	\$	2,254.98
Remove 3 - 336 & 4/0TN	LF	182	\$	1,001.00

Location 6002 (45)				\$ 24,858.16
55/H6 Ductile Iron	Ea	1	\$	2,147.98
Lay Out Conductor	Ea	3	\$	644.28
Install Crossarm	Ea	1	\$	429.53

Install Deadends	Ea	6	\$	3,092.52
Install CO's	Ea	3	\$	644.28
Install Switch Bracket	Ea	1	\$	171.79
Install Termination Bracket	Ea	1	\$	171.79
Install Terminations	Ea	3	\$	2,061.78
Install Lightning Arresters	Ea	3	\$	386.61
Install Riser	Ea	1	\$	1,030.89
Install 3 - 4/0 cables	Ea	100	\$	5,155.00
Install 4" Conduit	Ea	100	\$	3,435.00
Install Primary Elbows	Ea	3	\$	773.19
Install Ground Rod	Ea	1	\$	171.79
Remove Framing	Ea	1	\$	687.26
Remove Primary Cable	LF	100	\$	1,373.00
Sidewalk Restoration	Ea	1	\$	2,294.47
Remove 3 - 336 & 4/0TN	LF	34	\$	187.00

Location 3-742 (46)

\$ 17,673.71

55/H6 Ductile Iron	Ea	1	\$	2,147.98
Lay Out Conductor	Ea	4	\$	859.04
Transfer Conductor to New Pole	Ea	9	\$	1,932.84
Transfer St Light	Ea	1	\$	300.66
Transfer MX	Ea	1	\$	257.73
Install Crossarm	Ea	2	\$	859.06
Install Primary DE	Ea	9	\$	4,638.78
Install Jumpers	Ea	6	\$	1,030.74
Install 9/16" Guy	Ea	1	\$	214.76
Install MH-20" LD	Ea	1	\$	257.73
Install MH-25" LD	Ea	1	\$	257.73
Install 3 - 556 & 1 4/0N	LF	210	\$	2,601.90
Remove 3 - 336 & 4/0TN	LF	210	\$	1,155.00
Remove Framing	Ea	1	\$	1,030.89
Top Pole	Ea	1	\$	128.87

Location 3-743 (85)

\$ 1,073.81

Lay Out Conductor	Ea	3	\$	644.28
Remove Framing	Ea	1	\$	300.66
Top Pole	Ea	1	\$	128.87

Location 3-743A (86)

\$ 7,859.81

55/H6 Ductile Iron	Ea	1	\$	2,147.98
Frame Mod Vertical	Ea	1	\$	429.53
Lay Out Conductor	Ea	1	\$	214.76
Transfer Conductor to New Pole	Ea	4	\$	859.04
Transfer St Light	Ea	1	\$	300.66
Transfer MX	Ea	1	\$	257.73

Install Lightning Arresters	Ea	3	\$	386.61
Install Ground Rod	Ea	1	\$	171.79
Remove Framing	Ea	1	\$	601.36
Top Pole	Ea	1	\$	128.87
Install 3 - 556 & 1 4/0N	LF	132	\$	1,635.48
Remove 3 - 336 & 4/0TN	LF	132	\$	726.00

Location 3-743 (87)

\$ 10,733.48

55/H6 Ductile Iron	Ea	1	\$	2,147.98
Frame Mod Vertical	Ea	1	\$	429.53
Lay Out Conductor	Ea	1	\$	214.76
Transfer Conductor to New Pole	Ea	4	\$	859.04
Transfer St Light	Ea	1	\$	300.66
Transfer MX	Ea	1	\$	257.73
Install Deadends	Ea	3	\$	386.61
Install C/Os & Brackets	Ea	2	\$	343.58
Install Ground Rod	Ea	1	\$	171.79
Install Jumpers	Ea	2	\$	343.58
Install Ground Rod	Ea	1	\$	171.79
Remove Framing	Ea	1	\$	300.66
Remove Transformer	Ea	1	\$	515.42
Top Pole	Ea	1	\$	128.87
Install 3 - 556 & 1 4/0N	LF	132	\$	1,635.48
Remove 3 - 336 & 4/0TN	LF	132	\$	726.00
Remove OW N&S	LF	150	\$	513.00
Install 4/0 Triplex N&S	LF	150	\$	1,287.00

Location 3-744 (48)

\$ 10,450.74

55/H6 Ductile Iron	Ea	1	\$	2,147.98
Frame Mod Vertical	Ea	1	\$	429.53
Lay Out Conductor	Ea	1	\$	214.76
Transfer Conductor to New Pole	Ea	4	\$	859.04
Transfer MX	Ea	1	\$	257.73
Install 7/16" Guy	Ea	1	\$	214.76
Install MH-10'LD	Ea	1	\$	257.73
Install Transformer	Ea	1	\$	859.05
Install CO & Bracket	Ea	1	\$	257.73
Install Jumper	Ea	1	\$	171.79
Install Pole Ground	Ea	1	\$	171.79
Remove Framing	Ea	1	\$	944.95
Install 3 - 556 & 1 4/0N	LF	200	\$	2,478.00
Remove 3 - 336 & 4/0TN	LF	200	\$	1,100.00
Top Cut Pole	Ea	1	\$	85.90

Location 3-745 (49)					\$ 1,159.71
Lay Out Conductor	Ea	3	\$	644.28	
Remove Framing	Ea	1	\$	429.53	
Top Cut Pole	Ea	1	\$	85.90	
Location 3-745A (49A)					\$ 1,159.71
Lay Out Conductor	Ea	3	\$	644.28	
Remove Framing	Ea	1	\$	429.53	
Top Cut Pole	Ea	1	\$	85.90	
Location 3-746 (50)					\$ 8,944.26
55/H6 Ductile Iron	Ea	1	\$	2,147.98	
Frame Mod Vertical	Ea	1	\$	429.53	
Lay Out Conductor	Ea	3	\$	644.28	
Transfer Conductor to New Pole	Ea	4	\$	859.04	
Transfer MX	Ea	3	\$	773.19	
Install LA's & Brackets	Ea	3	\$	773.19	
Install Pole Ground	Ea	1	\$	171.79	
Install 3 - 556 & 1 4/0N	LF	147	\$	1,821.33	
Remove 3 - 336 & 4/0TN	LF	147	\$	808.50	
Remove Framing	Ea	1	\$	429.53	
Top Cut Pole	Ea	1	\$	85.90	
Location 3-747 (51A)					\$ 1,159.71
Lay Out Conductor	Ea	3	\$	644.28	
Remove Framing	Ea	1	\$	429.53	
Top Cut Pole	Ea	1	\$	85.90	
Location 3-748? (51)					\$ 7,258.89
55/H6 Ductile Iron	Ea	1	\$	2,147.98	
Frame Mod Vertical	Ea	1	\$	429.53	
Transfer Conductor to New Pole	Ea	4	\$	859.04	
Transfer MX	Ea	1	\$	257.73	
Install Transformer	Ea	1	\$	859.05	
Install CO & Bracket	Ea	1	\$	257.73	
Install Jumper	Ea	1	\$	171.79	
Install Pole Ground	Ea	1	\$	171.79	
Remove Framing	Ea	1	\$	944.95	
Install 3 - 556 & 1 4/0N	LF	60	\$	743.40	
Remove 3 - 336 & 4/0TN	LF	60	\$	330.00	
Top Cut Pole	Ea	1	\$	85.90	

Location 3-748? (52)				\$ 8,203.83
55/H6 Ductile Iron	Ea	1	\$	2,147.98
Frame Mod Vertical	Ea	1	\$	429.53
Lay Out Conductor	Ea	3	\$	644.28
Transfer Conductor to New Pole	Ea	4	\$	859.04
Transfer MX	Ea	1	\$	257.73
Install Transformer	Ea	1	\$	859.05
Install CO & Bracket	Ea	1	\$	257.73
Install Jumper	Ea	1	\$	171.79
Install Pole Ground	Ea	1	\$	171.79
Transfer St Light	Ea	1	\$	300.66
Remove Framing	Ea	1	\$	944.95
Install 3 - 556 & 1 4/0N	LF	60	\$	743.40
Remove 3 - 336 & 4/0TN	LF	60	\$	330.00
Top Cut Pole	Ea	1	\$	85.90

Location 3- (53)				\$ 1,159.71
Lay Out Conductor	Ea	3	\$	644.28
Remove Framing	Ea	1	\$	429.53
Top Cut Pole	Ea	1	\$	85.90

Location 3-749 (54)				\$ 1,159.71
Lay Out Conductor	Ea	3	\$	644.28
Remove Framing	Ea	1	\$	429.53
Top Cut Pole	Ea	1	\$	85.90

Location 3-750 (55)				\$ 11,828.80
55/H6 Ductile Iron	Ea	1	\$	2,147.98
Frame Mod Vertical	Ea	1	\$	429.53
Lay Out Conductor	Ea	3	\$	644.28
Transfer Conductor to New Pole	Ea	4	\$	859.04
Transfer MX	Ea	5	\$	1,288.65
Install Transformer	Ea	1	\$	859.05
Install CO & Bracket	Ea	1	\$	257.73
Install Jumper	Ea	1	\$	171.79
Install Pole Ground	Ea	1	\$	171.79
Remove Framing	Ea	1	\$	944.95
Transfer St Light	Ea	1	\$	300.66
Install 3 - 556 & 1 4/0N	LF	205	\$	2,539.95
Remove 3 - 336 & 4/0TN	LF	205	\$	1,127.50
Top Cut Pole	Ea	1	\$	85.90

Location 3-751(56)				\$ 2,018.76
---------------------------	--	--	--	--------------------

Lay Out Conductor	Ea	3	\$	644.28	
Remove Framing	Ea	1	\$	1,288.58	
Top Cut Pole	Ea	1	\$	85.90	
Location 3-752 (57)					\$ 1,159.71
Lay Out Conductor	Ea	3	\$	644.28	
Remove Framing	Ea	1	\$	429.53	
Top Cut Pole	Ea	1	\$	85.90	
Location 3-753 (58)					\$ 15,776.58
55/H6 Ductile Iron	Ea	1	\$	2,147.98	
Lay out Conductor DE's	Ea	4	\$	1,374.52	
Install Primary DE	Ea	6	\$	3,092.52	
Transfer Conductor to New Pole	Ea	2	\$	343.58	
Install 900amp Disconnects & Brackets	Ea	3	\$	644.28	
Install LA's & Brackets	Ea	6	\$	1,030.74	
Install Jumpers	Ea	6	\$	1,030.74	
Install Ground Rod	Ea	1	\$	171.79	
Transfer St Light	Ea	1	\$	300.66	
Transfer MX	Ea	4	\$	1,030.92	
Remove Framing	Ea	1	\$	944.95	
Top Cut Pole	Ea	1	\$	85.90	
Install 3 - 556 & 1 4/0N	LF	200	\$	2,478.00	
Remove 3 - 336 & 4/0TN	LF	200	\$	1,100.00	
Location 3-755 (59)					\$ 2,018.76
Lay Out Conductor	Ea	3	\$	644.28	
Remove Framing	Ea	1	\$	1,288.58	
Top Cut Pole	Ea	1	\$	85.90	
Location 3-755A (59A)					\$ -
NO WORK			\$	-	
Location 3-756 (60)					\$ 9,488.60
55/H6 Ductile Iron	Ea	1	\$	2,147.98	
Frame Mod Vertical	Ea	1	\$	429.53	
Lay Out Conductor	Ea	3	\$	644.28	
Transfer Conductor to New Pole	Ea	4	\$	859.04	
Transfer MX	Ea	5	\$	1,288.65	
Install Transformer	Ea	1	\$	859.05	
Install CO & Bracket	Ea	1	\$	257.73	
Install Jumper	Ea	1	\$	171.79	

Install Pole Ground	Ea	1	\$	171.79	
Remove Framing	Ea	1	\$	429.53	
Transfer St Light	Ea	1	\$	300.66	
Install 3 - 556 & 1 4/0N	LF	103	\$	1,276.17	
Remove 3 - 336 & 4/0TN	LF	103	\$	566.50	
Top Cut Pole	Ea	1	\$	85.90	
Location 3-757 (60A)					\$ 2,018.76
Lay Out Conductor	Ea	3	\$	644.28	
Remove Framing	Ea	1	\$	1,288.58	
Top Cut Pole	Ea	1	\$	85.90	
Location 3-748 (61)					\$ 8,801.14
55/H6 Ductile Iron	Ea	1	\$	2,147.98	
Frame Mod Vertical	Ea	1	\$	429.53	
Lay Out Conductor	Ea	3	\$	644.28	
Transfer Conductor to New Pole	Ea	4	\$	859.04	
Transfer MX	Ea	3	\$	773.19	
Install LA's & Brackets	Ea	3	\$	773.19	
Install Pole Ground	Ea	1	\$	171.79	
Install 3 - 556 & 1 4/0N	LF	139	\$	1,722.21	
Remove 3 - 336 & 4/0TN	LF	139	\$	764.50	
Remove Framing	Ea	1	\$	429.53	
Top Cut Pole	Ea	1	\$	85.90	
Location 3-759 (62)					\$ -
NO WORK			\$	-	
Location 3-xxx (62A)					\$ 8,397.31
55/H6 Ductile Iron	Ea	1	\$	2,147.98	
Frame Mod Vertical	Ea	1	\$	429.53	
Lay Out Conductor	Ea	3	\$	644.28	
Transfer Conductor to New Pole	Ea	4	\$	859.04	
Transfer MX	Ea	5	\$	1,288.65	
Install Transformer	Ea	1	\$	859.05	
Install CO & Bracket	Ea	1	\$	257.73	
Install Jumper	Ea	1	\$	171.79	
Install Pole Ground	Ea	1	\$	171.79	
Remove Framing	Ea	1	\$	429.53	
Transfer St Light	Ea	1	\$	300.66	
Install 3 - 556 & 1 4/0N	LF	42	\$	520.38	
Remove 3 - 336 & 4/0TN	LF	42	\$	231.00	
Top Cut Pole	Ea	1	\$	85.90	

Location 3-760 (63)				\$ 10,730.44
55/H6 Ductile Iron	Ea	1	\$	2,147.98
Frame Mod Vertical	Ea	1	\$	429.53
Lay Out Conductor	Ea	3	\$	644.28
Transfer Conductor to New Pole	Ea	4	\$	859.04
Transfer MX	Ea	5	\$	1,288.65
Install Transformer	Ea	1	\$	859.05
Install CO & Bracket	Ea	1	\$	257.73
Install Jumper	Ea	1	\$	171.79
Install Pole Ground	Ea	1	\$	171.79
Remove Framing	Ea	1	\$	1,116.78
Transfer St Light	Ea	1	\$	300.66
Install 3 - 556 & 1 4/0N	LF	134	\$	1,660.26
Remove 3 - 336 & 4/0TN	LF	134	\$	737.00
Top Cut Pole	Ea	1	\$	85.90

Location 3-762 (64)				\$ 2,018.76
Lay Out Conductor	Ea	3	\$	644.28
Remove Framing	Ea	1	\$	1,288.58
Top Cut Pole	Ea	1	\$	85.90

Location 3-763 (65)				\$ 9,370.31
55/H6 Ductile Iron	Ea	1	\$	2,147.98
Frame Mod Vertical	Ea	1	\$	429.53
Lay Out Conductor	Ea	3	\$	644.28
Transfer Conductor to New Pole	Ea	4	\$	859.04
Transfer MX	Ea	5	\$	1,288.65
Install Pole Ground	Ea	1	\$	171.79
Remove Framing	Ea	1	\$	1,116.78
Transfer St Light	Ea	1	\$	300.66
Install 3 - 556 & 1 4/0N	LF	130	\$	1,610.70
Remove 3 - 336 & 4/0TN	LF	130	\$	715.00
Top Cut Pole	Ea	1	\$	85.90

Location 3-xxx (66)				\$ 1,331.54
Lay Out Conductor	Ea	3	\$	644.28
Remove Framing	Ea	1	\$	601.36
Top Cut Pole	Ea	1	\$	85.90

Location 3-765 (67)				\$ 10,569.43
55/H6 Ductile Iron	Ea	1	\$	2,147.98

Frame Mod Vertical	Ea	1	\$	429.53	
Lay Out Conductor	Ea	3	\$	644.28	
Transfer Conductor to New Pole	Ea	4	\$	859.04	
Transfer MX	Ea	5	\$	1,288.65	
Install Transformer	Ea	1	\$	859.05	
Install CO & Bracket	Ea	1	\$	257.73	
Install Jumper	Ea	1	\$	171.79	
Install Pole Ground	Ea	1	\$	171.79	
Remove Framing	Ea	1	\$	1,116.78	
Transfer St Light	Ea	1	\$	300.66	
Install 3 - 556 & 1 4/0N	LF	125	\$	1,548.75	
Remove 3 - 336 & 4/0TN	LF	125	\$	687.50	
Top Cut Pole	Ea	1	\$	85.90	
Location 3-766 (68)					\$ 1,331.54
Lay Out Conductor	Ea	3	\$	644.28	
Remove Framing	Ea	1	\$	601.36	
Top Cut Pole	Ea	1	\$	85.90	
Location 3-767 (69)					\$ 13,465.22
55/H6 Ductile Iron	Ea	1	\$	2,147.98	
Lay out Conductor	Ea	4	\$	1,374.52	
Install Primary DE	Ea	6	\$	3,092.52	
Transfer Conductor to New Pole	Ea	2	\$	343.58	
Install Disconnects & Brackets	Ea	3	\$	644.28	
Install LA's & Brackets	Ea	6	\$	1,030.74	
Install Jumpers	Ea	6	\$	1,030.74	
Install Ground Rod	Ea	1	\$	171.79	
Transfer St Light	Ea	1	\$	300.66	
Transfer MX	Ea	3	\$	773.19	
Remove Framing	Ea	1	\$	1,288.58	
Top Cut Pole	Ea	1	\$	85.90	
Install 3 - 556 & 1 4/0N	LF	66	\$	817.74	
Remove 3 - 336 & 4/0TN	LF	66	\$	363.00	
Location 3-768 (xx)					\$ 7,731.44
Lay out Conductor	Ea	3	\$	1,030.89	
Install Primary DE	Ea	3	\$	3,092.67	
Transfer Conductor to New Pole	Ea	4	\$	687.16	
Install Jumpers	Ea	4	\$	1,030.92	
Remove Jumpers	Ea	4	\$	687.16	
Mac In/Out	Ea	4	\$	1,202.64	
Location 3-xxx (87A)					\$ 4,474.17

55/H6 Ductile Iron	Ea	1	\$	2,147.98
Frame Mod Vertical	Ea	1	\$	429.53
Transfer Conductor to New Pole	Ea	4	\$	859.04
Install 3 - 556 & 1 4/0N	LF	58	\$	718.62
Remove 3 - 336 & 4/0TN	LF	58	\$	319.00

Location 3-601 (103) \$ 13,917.39

55/H6 Ductile Iron	Ea	1	\$	2,147.98
Frame Mod Vertical	Ea	1	\$	429.53
Lay out Conductor	Ea	3	\$	1,030.89
Transfer Conductor to New Pole	Ea	4	\$	687.16
Install Disconnects & Brackets	Ea	1	\$	214.76
Install Jumpers	Ea	6	\$	1,030.74
Install Ground Rod	Ea	1	\$	171.79
Transfer St Light	Ea	1	\$	300.66
Transfer MX	Ea	1	\$	257.73
Remove Framing	Ea	1	\$	601.36
Top Cut Pole	Ea	1	\$	85.90
Install 3 - 556 & 1 4/0N	LF	178	\$	2,205.42
Remove 3 - 336 & 4/0TN	LF	178	\$	979.00
Remove OW N&S	LF	200	\$	684.00
Install 4/0 Triplex N&S	LF	200	\$	1,716.00
Limited access & fence	Ea	1	\$	1,374.47

Location 3-602 (104) \$ 1,331.54

Lay Out Conductor	Ea	3	\$	644.28
Remove Framing	Ea	1	\$	601.36
Top Cut Pole	Ea	1	\$	85.90

Location 3-495 (106) \$ 9,608.24

55/H6 Ductile Iron	Ea	1	\$	2,147.98
Frame Mod Vertical	Ea	1	\$	429.53
Lay Out Conductor	Ea	3	\$	644.28
Transfer Conductor to New Pole	Ea	4	\$	859.04
Transfer MX	Ea	1	\$	257.73
Install LA's & Brackets	Ea	3	\$	644.28
Install Pole Ground	Ea	1	\$	171.79
Remove Framing	Ea	1	\$	601.36
Transfer St Light	Ea	1	\$	300.66
Install 3 - 556 & 1 4/0N	LF	144	\$	1,784.16
Remove 3 - 336 & 4/0TN	LF	144	\$	792.00
Top Cut Pole	Ea	1	\$	85.90
Sidewalk Restoration	Ea	1	\$	889.53

Location 3-946 (107) \$ 20,011.72

55/H6 Ductile Iron	Ea	1	\$	2,147.98
Install Cross Arms Deadend	Ea	1	\$	429.53
Install Primary DE	Ea	8	\$	4,123.36
Lay out Conductor	Ea	6	\$	2,061.78
Transfer Conductor to New Pole	Ea	10	\$	1,717.90
Install Disconnects & Brackets	Ea	2	\$	429.52
Install Jumpers	Ea	6	\$	1,030.74
Install Span Guys to east	Ea	2	\$	1,030.84
Install Ground Rod	Ea	1	\$	171.79
Transfer St Light	Ea	1	\$	300.66
Transfer MX	Ea	1	\$	257.73
Remove Framing	Ea	1	\$	1,288.58
Top Cut Pole	Ea	1	\$	85.90
Install 3 - 556 & 1 4/0N	LF	92	\$	1,139.88
Remove 3 - 336 & 4/0TN	LF	92	\$	506.00
Remove OW N&S	LF	200	\$	684.00
Install 4/0 Triplex N&S	LF	200	\$	1,716.00
Sidewalk Restoration	Ea	1	\$	889.53

Location 3-494 (107A)

\$ 2,620.15

Install 35/2 WP	Ea	1	\$	859.05
Remove 35/2 WP	Ea	1	\$	601.36
Install 7/16" Guy	Ea	1	\$	214.76
Install 9/16" Guy	Ea	2	\$	429.52
Install MH-20" LD	Ea	1	\$	257.73
Install MH-25" LD	Ea	1	\$	257.73

Location 3-493A (108A)

\$ 8,354.23

55/H6 Ductile Iron	Ea	1	\$	2,147.98
Frame Mod Vertical	Ea	1	\$	429.53
Lay Out Conductor	Ea	3	\$	644.28
Transfer Conductor to New Pole	Ea	4	\$	859.04
Transfer MX	Ea	5	\$	1,288.65
Install Transformer	Ea	1	\$	859.05
Install CO & Bracket	Ea	1	\$	257.73
Install Jumper	Ea	1	\$	171.79
Install Pole Ground	Ea	1	\$	171.79
Install 3 - 556 & 1 4/0N	LF	51	\$	631.89
Remove 3 - 336 & 4/0TN	LF	51	\$	280.50
Remove OW N&S	LF	51	\$	174.42
Install 4/0 Triplex N&S	LF	51	\$	437.58

Location 3-493 (108)

\$ 14,316.09

55/H6 Ductile Iron	Ea	1	\$	1,683.00
--------------------	----	---	----	----------

Frame Mod Vertical	Ea	1	\$	429.53
Lay Out Conductor	Ea	3	\$	644.28
Transfer Conductor to New Pole	Ea	4	\$	859.04
Transfer MX	Ea	4	\$	1,030.92
Install Transformer	Ea	3	\$	2,577.15
Install CO & Bracket	Ea	3	\$	773.19
Install Jumper	Ea	3	\$	515.37
Install Pole Ground	Ea	1	\$	171.79
Remove Framing	Ea	1	\$	2,147.63
Top Cut Pole	Ea	1	\$	85.90
Install 3 - 556 & 1 4/0N	LF	51	\$	631.89
Remove 3 - 336 & 4/0TN	LF	51	\$	280.50
Remove OW N&S	LF	200	\$	684.00
Install 4/0 Triplex N&S	LF	200	\$	1,716.00
Top Cut Pole	Ea	1	\$	85.90

Location 3-492 (109) \$ 3,026.76

Lay Out Conductor	Ea	3	\$	644.28
Remove Framing	Ea	1	\$	1,288.58
Remove OW N&S	LF	84	\$	287.28
Install 4/0 Triplex N&S	LF	84	\$	720.72
Top Cut Pole	Ea	1	\$	85.90

Location 3-491(110) \$ 2,474.76

Lay Out Conductor	Ea	3	\$	644.28
Remove Framing	Ea	1	\$	1,288.58
Remove OW N&S	LF	38	\$	129.96
Install 4/0 Triplex N&S	LF	38	\$	326.04
Top Cut Pole	Ea	1	\$	85.90

Location 3-490 (111) \$ 10,994.95

55/1 Wood Pole	Ea	1	\$	1,683.00
Frame Mod Vertical	Ea	1	\$	429.53
Lay Out Conductor	Ea	3	\$	644.28
Transfer Conductor to New Pole	Ea	4	\$	859.04
Transfer St Light	Ea	1	\$	300.66
Transfer MX	Ea	4	\$	1,030.92
Install Transformer	Ea	1	\$	859.05
Install CO & Bracket	Ea	1	\$	257.73
Install Jumper	Ea	1	\$	171.79
Install Pole Ground	Ea	1	\$	171.79
Remove Framing	Ea	1	\$	2,147.63
Top Cut Pole	Ea	1	\$	85.90
Install 3 - 556 & 1 4/0N	LF	57	\$	706.23

Remove 3 - 336 & 4/0TN	LF	57	\$	313.50
Remove OW N&S	LF	104	\$	355.68
Install 4/0 Triplex N&S	LF	104	\$	892.32
Top Cut Pole	Ea	1	\$	85.90

Location 3-489 (112)

\$ 3,270.02

Lay Out Conductor	Ea	3	\$	644.28
Remove Framing	Ea	1	\$	1,288.58
Remove OW N&S	LF	47	\$	160.74
Install 4/0 Triplex N&S	LF	47	\$	403.26
Top Cut Pole	Ea	1	\$	85.90
Pull stub pole	Ea	1	\$	687.26

Location 3-487 (112A)

\$ 15,991.12

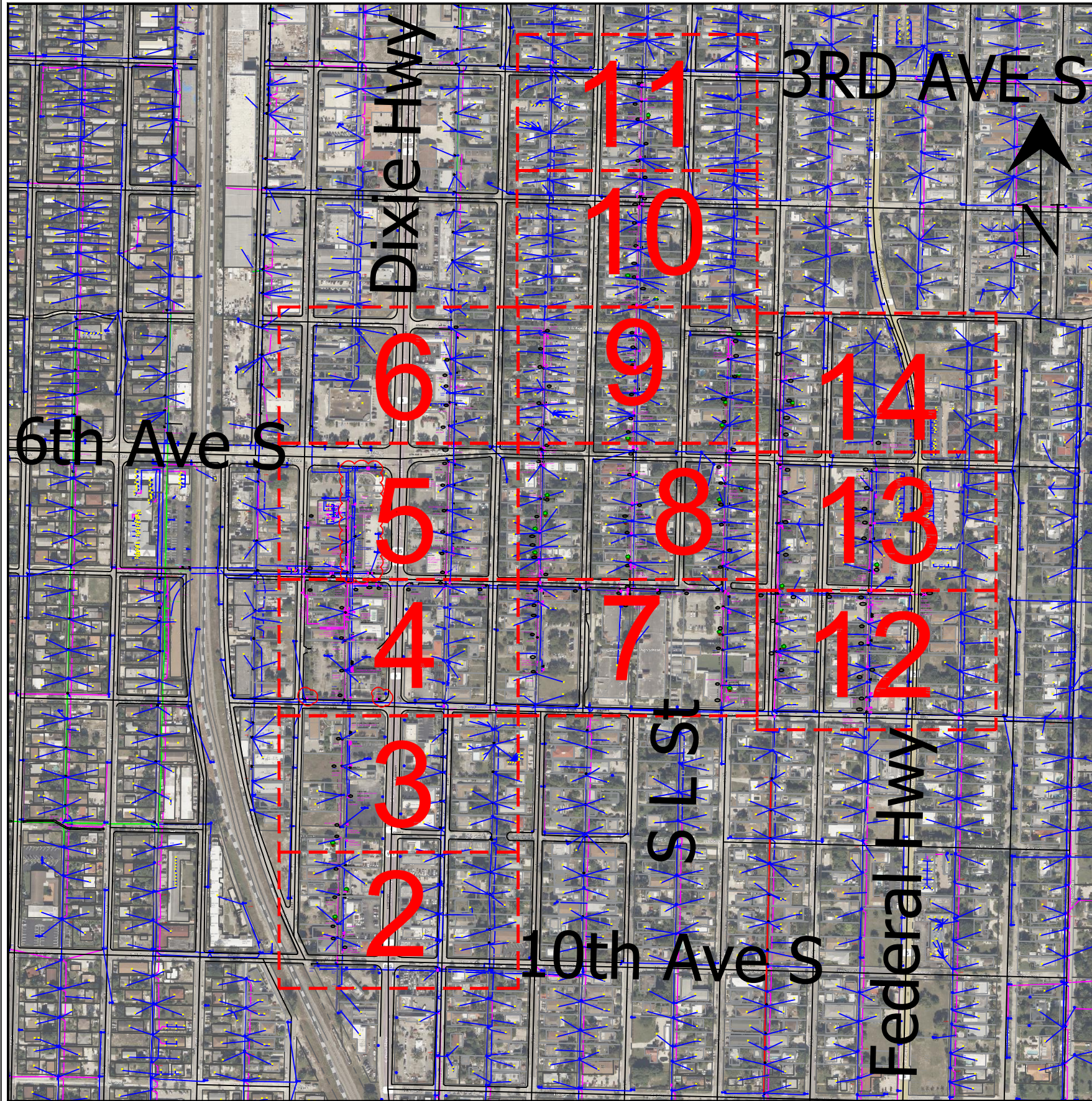
60/H8 Ductile Iron	Ea	1	\$	2,147.98
Frame Mod Vertical	Ea	1	\$	429.53
Install Cross Arm	Ea	1	\$	429.53
Install Primary Des	Ea	6	\$	3,092.52
Lay Out Conductor	Ea	6	\$	1,288.56
Transfer Conductor to New Pole	Ea	6	\$	1,288.56
Transfer St Light	Ea	1	\$	300.66
Transfer MX	Ea	1	\$	257.73
Install Transformer	Ea	1	\$	859.05
Install 900Amp Disconnect	Ea	3	\$	773.19
Install Jumper	Ea	9	\$	1,546.11
Install Pole Ground	Ea	1	\$	171.79
Remove Framing	Ea	1	\$	1,288.58
Top Cut Pole	Ea	1	\$	85.90
Remove OW N&S	LF	88	\$	300.96
Install 4/0 Triplex N&S	LF	88	\$	755.04
Top Cut Pole	Ea	1	\$	85.90
Sidewalk Restoration	Ea	1	\$	889.53

TOTALS:

\$ 459,093.39

CIRCUIT 4R0601

INACCESSIBLE 4KV FUTURE 26KV 26KV SALT SPRAY ROCK AVIAN

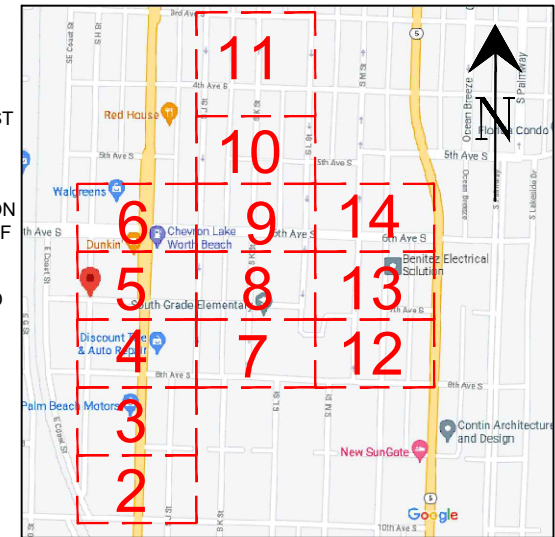


GENERAL NOTES:

1. NOTIFY CUSTOMERS OF TEMPORARY POWER AND TRAFFIC INTERRUPTIONS
2. PROVIDE WARNING SIGNALS FOR PEDESTRIANS AND TRAFFIC SIGNALS FOR MOTORISTS
3. SERVICE TO TRAFFIC SIGNAL, SCHOOL FLASHING SIGNAL, AND LIFT STATIONS MUST REMAIN ENERGIZED AT ALL TIMES
4. CITY OF LAKE WORTH TO STAKE ALL POLES
5. CITY OF LAKE WORTH TO SET ALL TRIP-SAVERS AND SIZE ALL FUSES.
6. EXISTING TRANSFORMERS CAN BE TRANSFERRED IF THEY ARE IN GOOD CONDITION
7. ALL GUYS TO HAVE FIBERGLASS INSULATIONS THROUGH PRIMARY AND NEUTRAL IF IN-LINE
8. 4KV CIRCUIT TO BE STREET SIDE ON DOUBLE CIRCUIT LOCATIONS
9. ALL STREET LIGHTS TO BE TRANSFERRED UNLESS OTHERWISE NOTED. WILL NEED NEW BRACKET FOR CONCRETE POLES
10. ALL POLES TO BE SET INLINE AND 2.5' FROM EXISTING POLES UNLESS OTHERWISE NOTED
11. EVERY EFFORT SHALL BE MADE TO LOCATE RISERS ON THE QUADRANT OF THE POLE OPPOSITE THE FLOW OF VEHICULAR TRAFFIC
12. ALL POLES TO BE TAGGED AND NUMBERED
13. INSTALL AVIAN COVERS ON ALL B₀ XARM S.
14. INSTALL JUMPER INSULATORS ON ALL XARM JUMPERS.

SCOPE OF WORK:

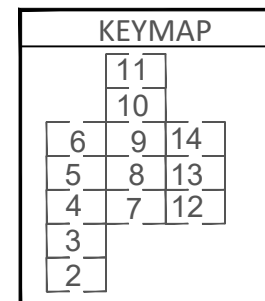
- EXTEND/RE-ROUTE EXISTING 6TH AVE CIRCUIT FEEDER(S) TO NEW SWITCHING STATION. REMOVAL OF ALL OPEN WIRE SECONDARY AND REPLACE WITH 4/0 TPX ALUMINUM, INSTALL TRANSFORMER AT END OF ALLEYS WHERE POSSIBLE. CONVERTING THE EXISTING 4KV TO 26KV.



LOCATION SKETCH

LEGEND

REMOVE	EXISTING	PROPOSED	
			OH FUSE SWITCH
			OH LIGHTNING ARRESTOR
			OH DS SWITCH
			OH TRANSFORMER
			OH TRANSFORMER 2 BANK
			OH TRANSFORMER 3 BANK
			PAD MOUNTED TX
			WOOD POLE
			CONCRETE POLE
			CABLE RISER
			DUCTILE IRON POLE
			DOWN GUY
			OH AFS/RECLOSER
			STANDARD STREETLIGHT
			CAPACITOR BANK
			OH SECONDARY
			OH CONDUCTOR
			OH CONDUCTOR
			UG SVC
			ROW
			EOP
			C/L
			UG FEEDER(S)
			UG PRIMARY



CALL SUNSHINE # 811
48 HOURS BEFORE YOU DIG

LOCATE MARKINGS COLOR CODE

	ELECTRIC		WATER
	GAS-OIL-STEAM		SEWER
	TEMP. SURVEY MARKINGS		CABLE TV
	PROPOSED EXCAVATION		

TREE TRIM

REV	REVISION	DATE	DRN	DSGN	CKD	APPD
3	Issued For Construction	10/27/2022				
2	80% FOR REVIEW	11/12/2021				
1	60% FOR REVIEW	10/04/2021				
	60% FOR REVIEW	6/22/2021				

Easement?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Survey/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Work With SMO?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Circuit Data	
Tree Work?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Designer/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>	CT/Special Mtr?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Circuit	SWS
Map Posting?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Trench Feet		Duct Bank Feet			
Posted by		CITY <input checked="" type="checkbox"/> DR. DIST. <input type="checkbox"/> COUNTY AIR <input type="checkbox"/> TRANSM. <input type="checkbox"/> FAA <input type="checkbox"/>					
		WMD <input type="checkbox"/> RR XING <input type="checkbox"/> COUNTY RD <input type="checkbox"/> STATE RD <input type="checkbox"/>					
		Telephone Request? <input type="checkbox"/>		CATV Request? <input type="checkbox"/>			



Job Owner:	J. St. Simon	Phone:	561-533-7353	JOB NUMBER:	185502	
Designed By:	J. Coissy	6TH AVE S HARDENING CIRCUIT 4R0601			Date:	10/27/2022
Drawn By:	J. Coissy				Print No.	1 Of 14
Check By:		610 S H ST LAKE WORTH, FLORIDA				
Scale:	N.T.S.					

Work Locations	Pole Description	Pole #
1	DUCTILE IRON,55,H6	1
2	WOOD,55,CLASS 1	1
3	DUCTILE IRON,55,H6	1
4	DUCTILE IRON,55,H6	1
5	DUCTILE IRON,55,H6	1
6	DUCTILE IRON,55,H6	1
7	DUCTILE IRON,55,H6	1
8	DUCTILE IRON,55,H6	1
9	DUCTILE IRON,55,H6	1
10	DUCTILE IRON,55,H6	1
12	DUCTILE IRON,60,H8	1
13	DUCTILE IRON,55,H6	1
14	DUCTILE IRON,55,H6	1
15	DUCTILE IRON,55,H6	1
16	DUCTILE IRON,55,H6	1
24	DUCTILE IRON,55,H6	1
25	DUCTILE IRON,55,H6	1
26	DUCTILE IRON,55,H6	1
27	WOOD,45,CLASS 1	1
28	WOOD,45,CLASS 1	1
29	WOOD,45,CLASS 1	1
30	WOOD,45,CLASS 1	1
31	WOOD,45,CLASS 1	1
32	WOOD,45,CLASS 1	1
33	WOOD,45,CLASS 1	1
34	WOOD,45,CLASS 1	1
35	WOOD,45,CLASS 1	1
36	WOOD,45,CLASS 1	1
37	WOOD,45,CLASS 1	1
38	WOOD,45,CLASS 1	1
39	DUCTILE IRON,55,H6	1
40	DUCTILE IRON,55,H6	1
41	WOOD,45,CLASS 1	1
42	WOOD,45,CLASS 1	1
43	WOOD,45,CLASS 1	1
44	DUCTILE IRON,55,H6	1
45	DUCTILE IRON,55,H6	1
46	DUCTILE IRON,55,H6	1
48	WOOD,55,CLASS 1	1
49	WOOD,55,CLASS 1	1
50	WOOD,55,CLASS 1	1
51	WOOD,55,CLASS 1	1
52	WOOD,55,CLASS 1	1
54	WOOD,55,CLASS 1	1
55	WOOD,55,CLASS 1	1
56	WOOD,55,CLASS 1	1
57	WOOD,55,CLASS 1	1
58	WOOD,55,CLASS 1	1
59	WOOD,55,CLASS 1	1
60	WOOD,55,CLASS 1	1

Work Locations	Pole Description	Pole #
61	WOOD,55,CLASS 1	1
62	WOOD,55,CLASS 1	1
62A	WOOD,55,CLASS 1	1
63	WOOD,55,CLASS 1	1
64	WOOD, 55, CLASS 1	1
65	WOOD,55,CLASS 1	1
67	WOOD,55,CLASS 1	1
68	WOOD,55,CLASS 1	1
69	DUCTILE IRON,55,H6	1
71	WOOD,45,CLASS 1	1
71B	WOOD,45,CLASS 1	1
72	WOOD,45,CLASS 1	1
73	WOOD,45,CLASS 1	1
74	WOOD,45,CLASS 1	1
75	WOOD,45,CLASS 1	1
76	WOOD,45,CLASS 1	1
77	WOOD,45,CLASS 1	1
78	WOOD,45,CLASS 1	1
79	WOOD,45,CLASS 1	1
81	WOOD,45,CLASS 1	1
85	DUCTILE IRON,55,H6	1
86	DUCTILE IRON,55,H6	1
87	DUCTILE IRON,55,H6	1
87A	DUCTILE IRON,55,H6	1
89	WOOD,45,CLASS 1	1
90	WOOD,45,CLASS 2	1
91	WOOD,45,CLASS 1	1
93	WOOD,45,CLASS 1	1
94	WOOD,45,CLASS 1	1
95	WOOD,45,CLASS 1	1
96	WOOD,45,CLASS 1	1
97	WOOD,45,CLASS 1	1
97A	WOOD,45,CLASS 1	1
100	WOOD,45,CLASS 1	1
101	WOOD,45,CLASS 1	1
103	DUCTILE IRON,55,H6	1
106	DUCTILE IRON,55,H6	1
107	DUCTILE IRON,55,H6	1
108	WOOD,55,CLASS 1	1
109	WOOD,55,CLASS 1	1
110	WOOD,55,CLASS 1	1
112	WOOD,55,CLASS 1	1
112A	DUCTILE IRON,60,H6	1
113	WOOD,45,CLASS 1	1
114	WOOD,45,CLASS 1	1
115	WOOD,45,CLASS 1	1
117	WOOD,45,CLASS 1	1
118	WOOD,45,CLASS 1	1
119	WOOD,45,CLASS 1	1
120	WOOD,45,CLASS 1	1

Work Locations	Pole Description	Pole #
121A	WOOD,45,CLASS 1	1
122	WOOD,45,CLASS 1	1
123	WOOD,45,CLASS 1	1
124	WOOD,45,CLASS 1	1
125	WOOD,45,CLASS 1	1
127	WOOD,45,CLASS 1	1
128	WOOD,45,CLASS 1	1
130	WOOD,45,CLASS 1	1
131	WOOD,45,CLASS 1	1
32A	WOOD,45,CLASS 1	1
98	WOOD,45,CLASS 1	1
43A	WOOD,45,CLASS 1	1
107A	WOOD,35,CLASS 4	1
53	WOOD,35,CLASS 4	1
1A	DUCTILE IRON,55,H6	1
16A	DUCTILE IRON,55,H6	1
17	DUCTILE IRON,55,H6	1
18	WOOD,55,CLASS 1	1
19	DUCTILE IRON,55,H6	1
20	DUCTILE IRON,55,H8	1
19A	WOOD, 35, CLASS 4	1
108A	WOOD, 55, CLASS 1	1

Transformer Fusing 26kV-OH			
Transformer Size	Fuse Size	Type	Warehouse ID
15kVA	1A	T	285-34-13181
25kVA	2A	T	285-34-13175
37kVA	3A	T	285-34-13176
50kV	5A	T	285-34-13177
75kVA	6A	T	285-34-13178
100kVA	8A	T	285-34-13180
167kVA	12A	T	285-34-13179
250kVA	20A	T	285-34-13183
333kVA	25A	T	285-34-13171
500kVA	40A	T	285-34-13155

Lateral Fusing			
	Fuse Size	Fuse Size	Warehouse ID
1st Stage	100A 80A	K	285-34-13196
2nd Stage	65A 40A	K	285-34-13157
3rd Stage	40A 20A	K	-

(Revisions shown in red)

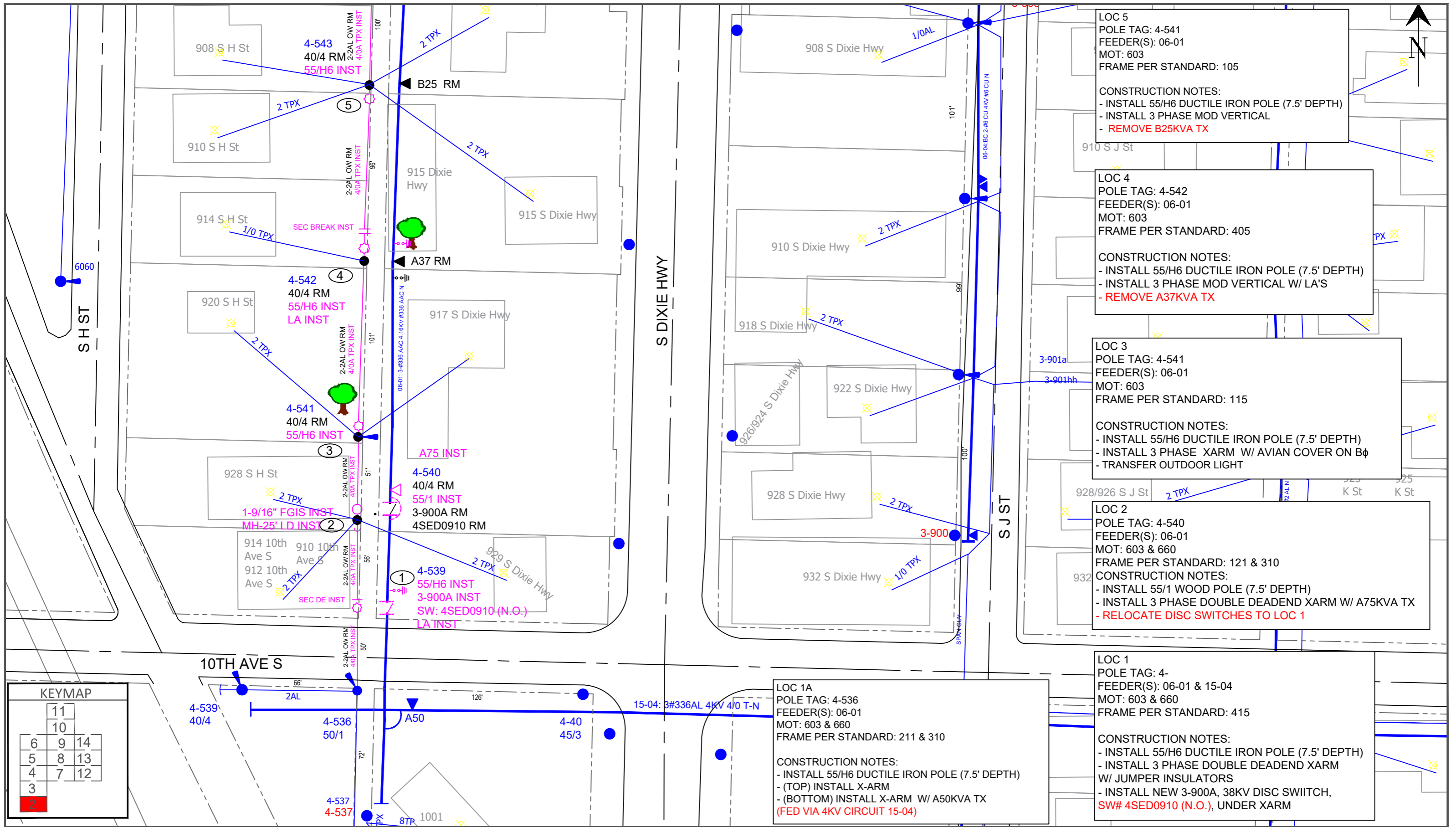
Pole Setting Depths (in feet)				
	Wood Poles	Wood Poles	Concrete Poles	
Pole Length	Class 1-2	All Poles	8 Kip	12 Kip
35	6	6	11	
40	6.5	6.5	11.5	
45	7	7	11.5	13
50	7	7	11.5	13.5
55	7.5	7.5	12	14
60	8	8	12	14
65	8.5	8.5	12	14
70	9	9		14.5
75	9.5	9.5		15
80	10	10		15

REV	REVISION	DATE	DRN	DSGN	CKD	APPD

Easement?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Survey/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Work With SMO?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Circuit Data	
Tree Work?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Designer/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>	CT/Special Mtr?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Circuit	SWS
Map Posting?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Trench Feet	Duct Bank Feet				
Posted by							
PERMIT	CITY <input checked="" type="checkbox"/>	DR. DIST. <input type="checkbox"/>	COUNTY AIR <input type="checkbox"/>	TRANS. <input type="checkbox"/>	FAA <input type="checkbox"/>		
REC'D	WMD <input type="checkbox"/>	RR XING <input type="checkbox"/>	COUNTY RD <input type="checkbox"/>	STATE RD <input type="checkbox"/>			
	Telephone Request? <input type="checkbox"/>	CATV Request? <input type="checkbox"/>					



Job Owner:	J. St. Simon	Phone:	561-533-7353	JOB NUMBER:	185502
Designed By:	J. Coissy	6TH AVE S HARDENING CIRCUIT 4R0601			Date:
Drawn By:	J. Coissy				10/27/2022
Check By:		610 S H ST LAKE WORTH, FLORIDA			Print No.
Scale:	N.T.S				TABLES



3	Issued For Construction	10/27/2022					
2	80% FOR REVIEW	11/12/2021					
1	60% FOR REVIEW	10/04/2021					
	60% FOR REVIEW	6/22/2021					
REV	REVISION	DATE	DRN	DSGN	CKD	APPD	

Easement?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Tree Work?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Map Posting?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Posted by	

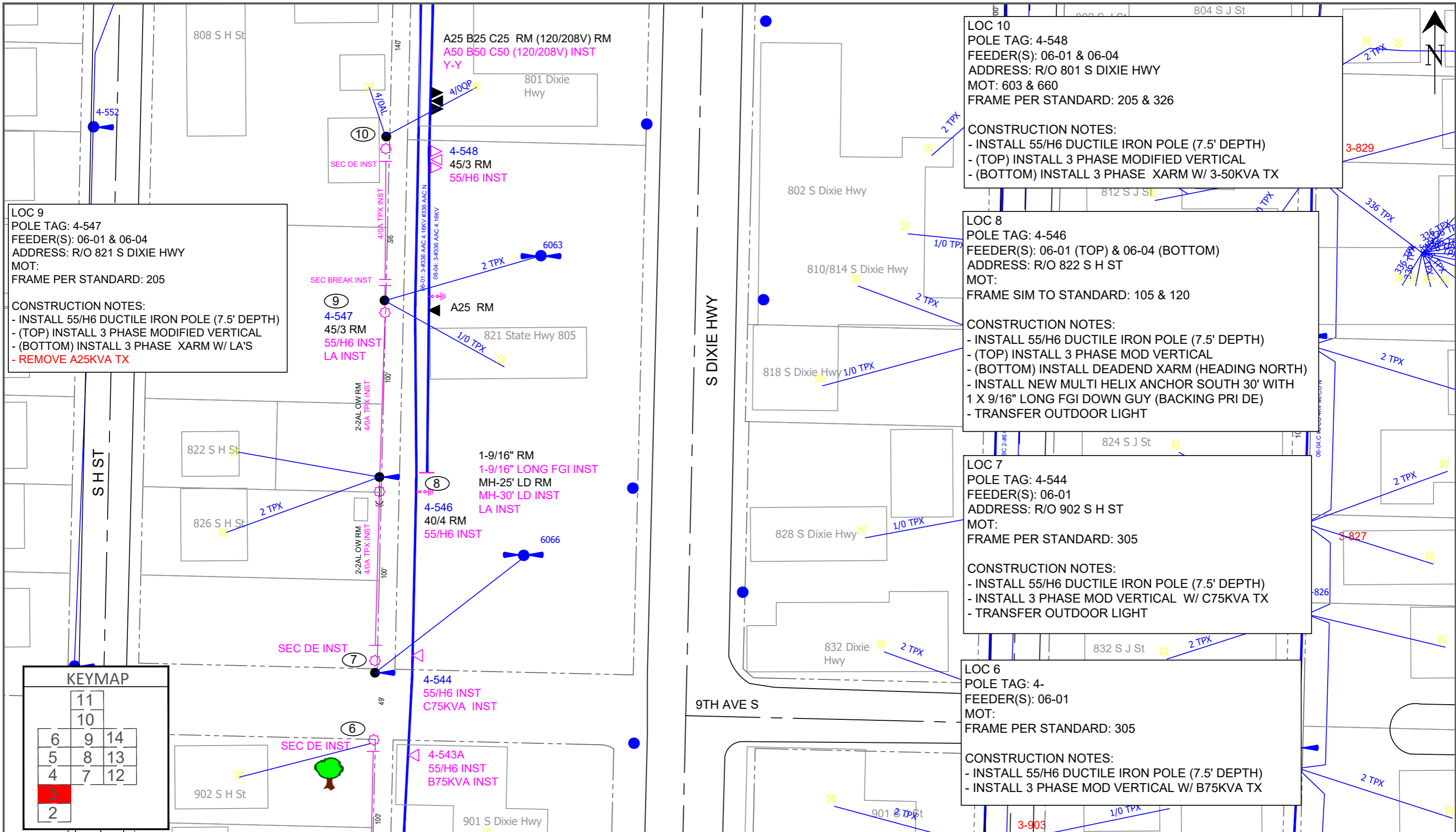
Survey/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Designer/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Trench Feet	
Permit	
Telephone Request?	<input type="checkbox"/>

Work With SMO?	YES <input type="checkbox"/> NO <input type="checkbox"/>
CT/Special Mtr?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Duct Bank Feet	
City	<input type="checkbox"/>
DR. DIST.	<input type="checkbox"/>
COUNTY AIR	<input type="checkbox"/>
TRANSM.	<input type="checkbox"/>
FAA	<input type="checkbox"/>
WMD	<input type="checkbox"/>
RR XING	<input type="checkbox"/>
COUNTY RD	<input type="checkbox"/>
STATE RD	<input type="checkbox"/>
CATV Request?	<input type="checkbox"/>

Circuit Data	
Circuit	SWS



Job Owner:	J. St. Simon	Phone:	561-533-7353	JOB NUMBER:	185502
Designed By:	J. Coissy	6TH AVE S HARDENING CIRCUIT 4R0601		Date:	10/27/2022
Drawn By:	J. Coissy			Print No.	2 Of 14
Check By:		610 S H ST LAKE WORTH, FLORIDA			
Scale:	1" = 50'				



LOC 9
 POLE TAG: 4-547
 FEEDER(S): 06-01 & 06-04
 ADDRESS: R/O 821 S DIXIE HWY
 MOT:
 FRAME PER STANDARD: 205

 CONSTRUCTION NOTES:
 - INSTALL 55/H6 DUCTILE IRON POLE (7.5' DEPTH)
 - (TOP) INSTALL 3 PHASE MODIFIED VERTICAL
 - (BOTTOM) INSTALL 3 PHASE XARM W/ LA'S
 - REMOVE A25KVA TX

LOC 10
 POLE TAG: 4-548
 FEEDER(S): 06-01 & 06-04
 ADDRESS: R/O 801 S DIXIE HWY
 MOT: 603 & 660
 FRAME PER STANDARD: 205 & 326

 CONSTRUCTION NOTES:
 - INSTALL 55/H6 DUCTILE IRON POLE (7.5' DEPTH)
 - (TOP) INSTALL 3 PHASE MODIFIED VERTICAL
 - (BOTTOM) INSTALL 3 PHASE XARM W/ 3-50KVA TX

LOC 8
 POLE TAG: 4-546
 FEEDER(S): 06-01 (TOP) & 06-04 (BOTTOM)
 ADDRESS: R/O 822 S H ST
 MOT:
 FRAME SIM TO STANDARD: 105 & 120

 CONSTRUCTION NOTES:
 - INSTALL 55/H6 DUCTILE IRON POLE (7.5' DEPTH)
 - (TOP) INSTALL 3 PHASE MOD VERTICAL
 - (BOTTOM) INSTALL DEADEND XARM (HEADING NORTH)
 - INSTALL NEW MULTI HELIX ANCHOR SOUTH 30' WITH 1 X 9/16" LONG FGI DOWN GUY (BACKING PRI DE)
 - TRANSFER OUTDOOR LIGHT

LOC 7
 POLE TAG: 4-544
 FEEDER(S): 06-01
 ADDRESS: R/O 902 S H ST
 MOT:
 FRAME PER STANDARD: 305

 CONSTRUCTION NOTES:
 - INSTALL 55/H6 DUCTILE IRON POLE (7.5' DEPTH)
 - INSTALL 3 PHASE MOD VERTICAL W/ C75KVA TX
 - TRANSFER OUTDOOR LIGHT


LOC 6
 POLE TAG: 4-
 FEEDER(S): 06-01
 MOT:
 FRAME PER STANDARD: 305

 CONSTRUCTION NOTES:
 - INSTALL 55/H6 DUCTILE IRON POLE (7.5' DEPTH)
 - INSTALL 3 PHASE MOD VERTICAL W/ B75KVA TX

11
10
6 9 14
5 8 13
4 7 12
3
2

3	Issued For Construction	10/27/2022				
2	80% FOR REVIEW	11/12/2021				
1	60% FOR REVIEW	10/04/2021				
	60% FOR REVIEW	6/22/2021				
REV	REVISION	DATE	DRN	DSGN	CKD	APPD

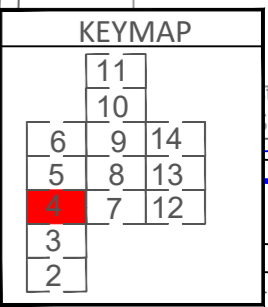
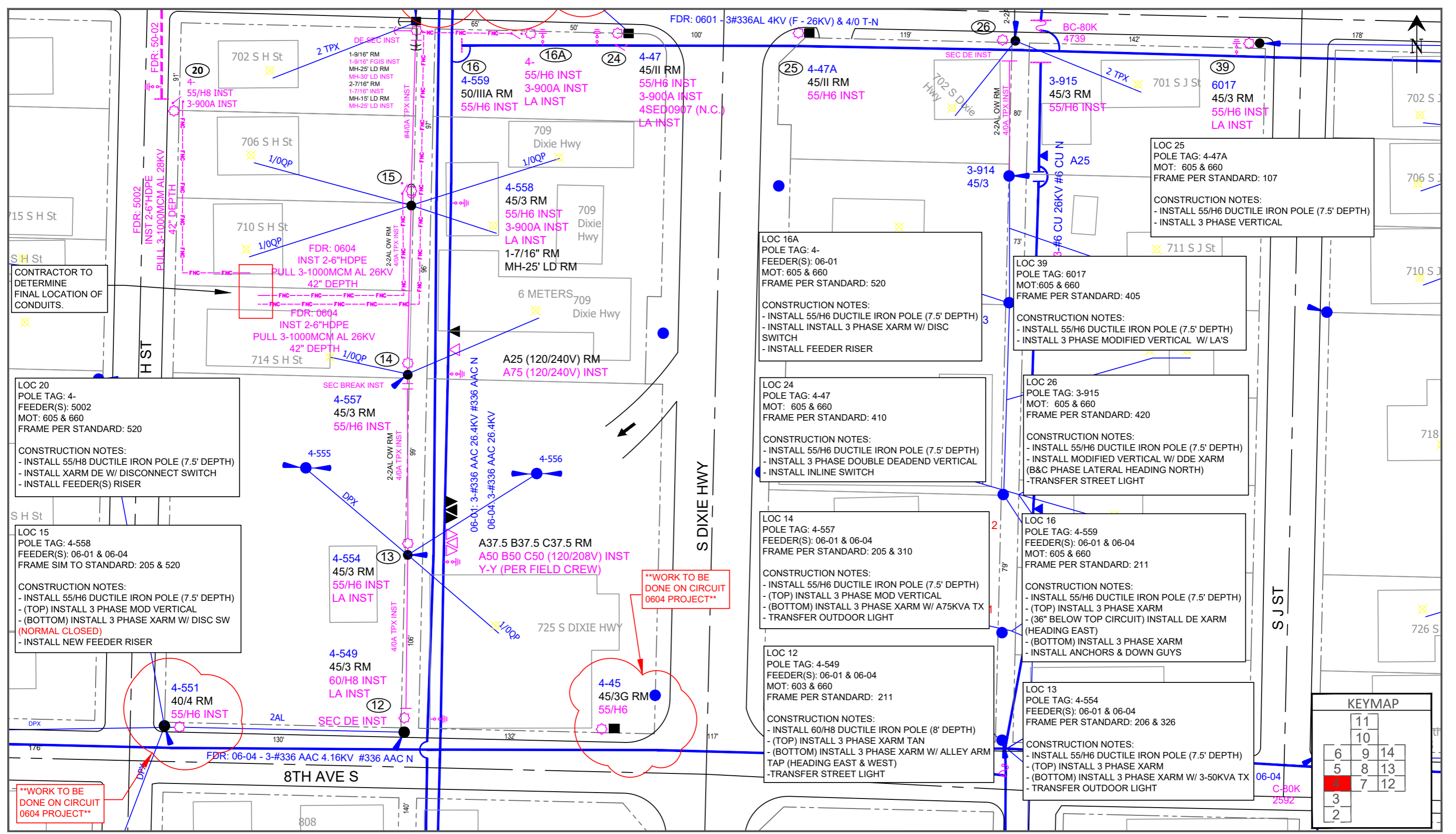
Easement?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Survey/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Work With SMO?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Circuit Data	
Tree Work?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Designer/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>	CT/Special Mtr?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Circuit	SWS
Map Posting?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Trench Feet		Duct Bank Feet			
Posted by		PERMIT REQ'D	CITY <input checked="" type="checkbox"/> DR. DIST. <input type="checkbox"/> COUNTY AIR <input type="checkbox"/> TRANSM. <input type="checkbox"/> FAA <input type="checkbox"/>				
			WMD <input type="checkbox"/> RR XING <input type="checkbox"/> COUNTY RD <input type="checkbox"/> STATE RD <input type="checkbox"/>				
			Telephone Request? <input type="checkbox"/>	CATV Request? <input type="checkbox"/>			



Job Owner: **J. St. Simon** Phone: 561-533-7353 JOB NUMBER: **185502**
 Designed By: **J. Coissy**
 Drawn By: **J. Coissy**
 Check By:
 Scale: 1" = 50'

6TH AVE S HARDENING
CIRCUIT 4R0601
 610 S H ST
 LAKE WORTH, FLORIDA

Date:
10/27/2022
 Print No.
 3 Of 14



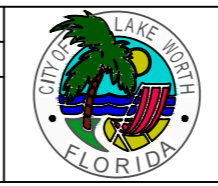
3	Issued For Construction	10/27/2022				
2	80% FOR REVIEW	11/12/2021				
1	60% FOR REVIEW	10/04/2021				
	60% FOR REVIEW	6/22/2021				
REV	REVISION	DATE	DRN	DSGN	CKD	APPD

Easement?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Tree Work?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Map Posting?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Posted by	

Survey/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Designer/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Trench Feet	
CT/Special Mtr?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Duct Bank Feet	

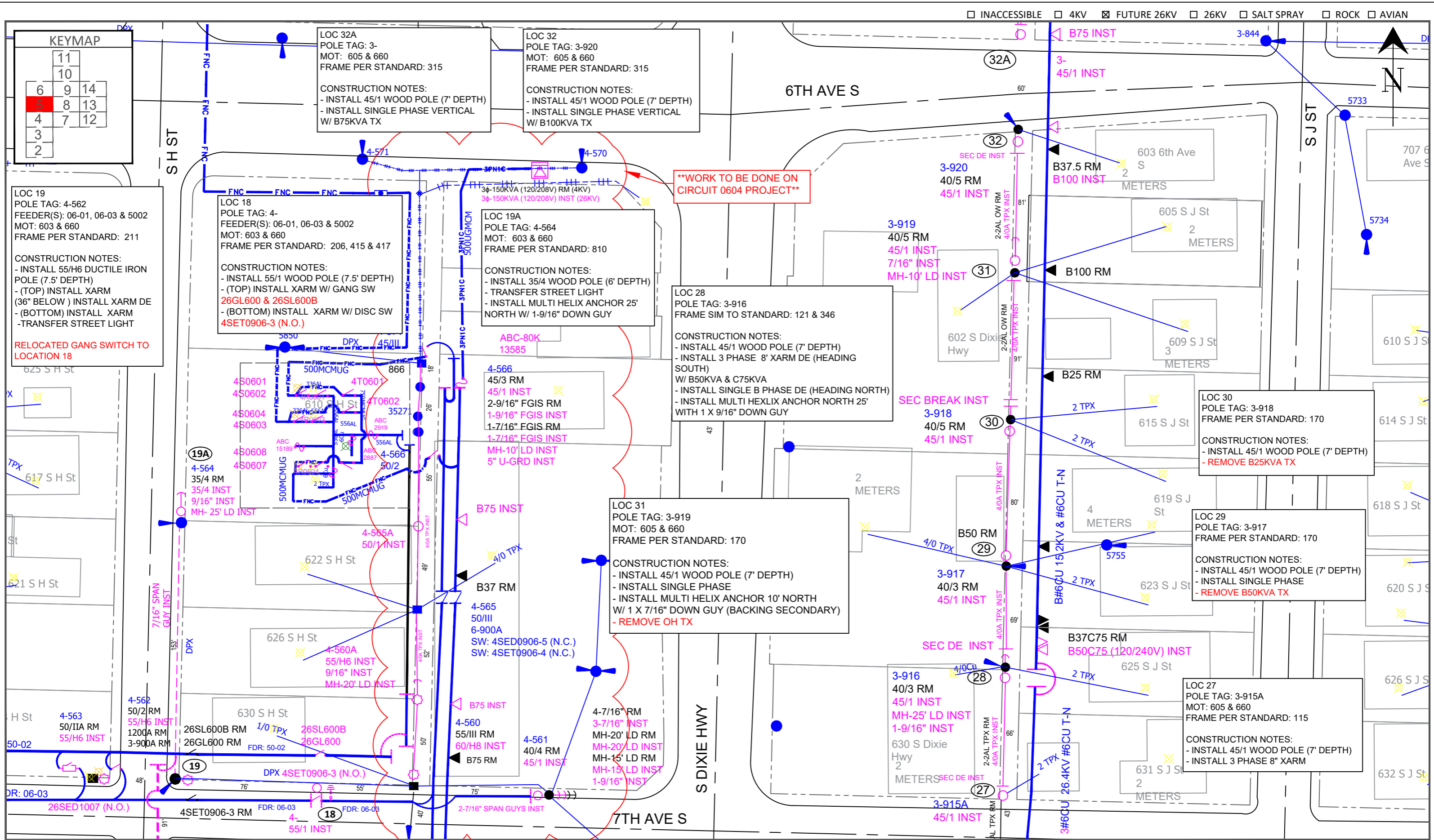
CITY	<input type="checkbox"/>	DR. DIST	<input type="checkbox"/>	COUNTY AIR	<input type="checkbox"/>	TRANSAM.	<input type="checkbox"/>	FAA	<input type="checkbox"/>
PERMIT	<input type="checkbox"/>	WMD	<input type="checkbox"/>	RR XING	<input type="checkbox"/>	COUNTY RD	<input type="checkbox"/>	STATE RD	<input type="checkbox"/>
Telephone Request?	<input type="checkbox"/>	CATV Request?	<input type="checkbox"/>						

Circuit Data	
Circuit	SWS



Job Owner:	J. St. Simon
Designed By:	J. Coissy
Drawn By:	J. Coissy
Check By:	
Scale:	1" = 50'

Phone:	561-533-7353	JOB NUMBER:	185502
6TH AVE S HARDENING		Date:	
CIRCUIT 4R0601		10/27/2022	
610 S H ST		Print No.	
LAKE WORTH, FLORIDA		4 Of 14	



REV	REVISION	DATE	DRN	DSGN	CKD	APPD
3	Issued For Construction	10/27/2022				
2	80% FOR REVIEW	11/12/2021				
1	60% FOR REVIEW	10/04/2021				
	60% FOR REVIEW	6/22/2021				

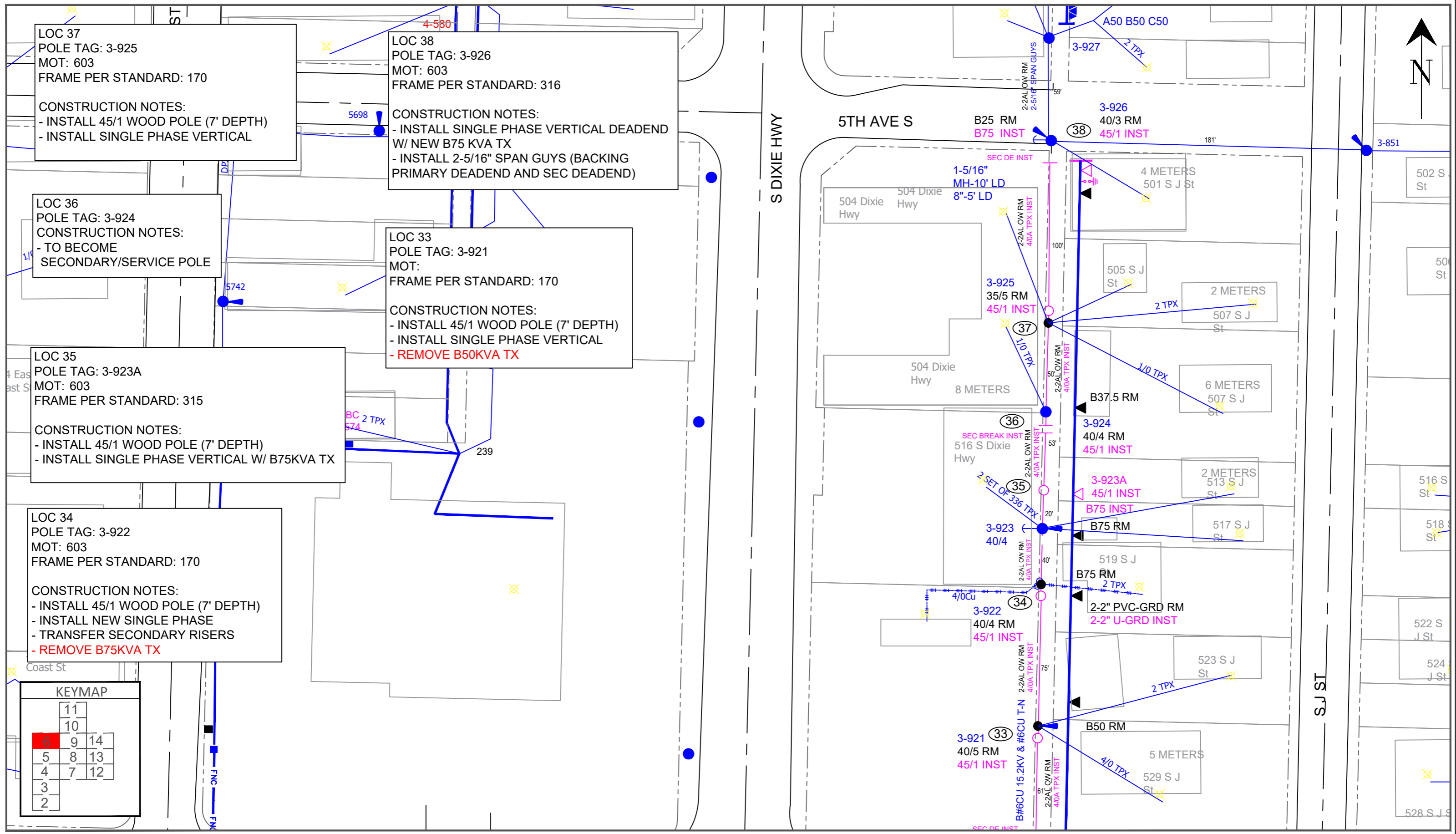
Easement?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Tree Work?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Map Posting?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Posted by	

Survey/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Designer/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Trench Feet	
Duct Bank Feet	
PERMIT	CITY <input checked="" type="checkbox"/> DR. DIST. <input type="checkbox"/> COUNTY AIR <input type="checkbox"/> TRANS. <input type="checkbox"/> FAA <input type="checkbox"/>
REQD	WMD <input type="checkbox"/> RR XING <input type="checkbox"/> COUNTY RD <input type="checkbox"/> STATE RD <input type="checkbox"/>
	Telephone Request? <input type="checkbox"/> CATV Request? <input type="checkbox"/>

Work With SMO?	YES <input type="checkbox"/> NO <input type="checkbox"/>
CT/Special Mtr?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Circuit Data	
Circuit	SWS



Job Owner:	J. St. Simon	Phone:	561-533-7353	JOB NUMBER:	185502
Designed By:	J. Coissy	6TH AVE S HARDENING		Date:	
Drawn By:	J. Coissy	CIRCUIT 4R0601		10/27/2022	
Check By:		610 S H ST		Print No.	
Scale:	1" = 50'	LAKE WORTH, FLORIDA		5 Of 14	



REV	REVISION	DATE	DRN	DSGN	CKD	APPD
3	Issued For Construction	10/27/2022				
2	80% FOR REVIEW	11/12/2021				
1	60% FOR REVIEW	10/04/2021				
	60% FOR REVIEW	6/22/2021				

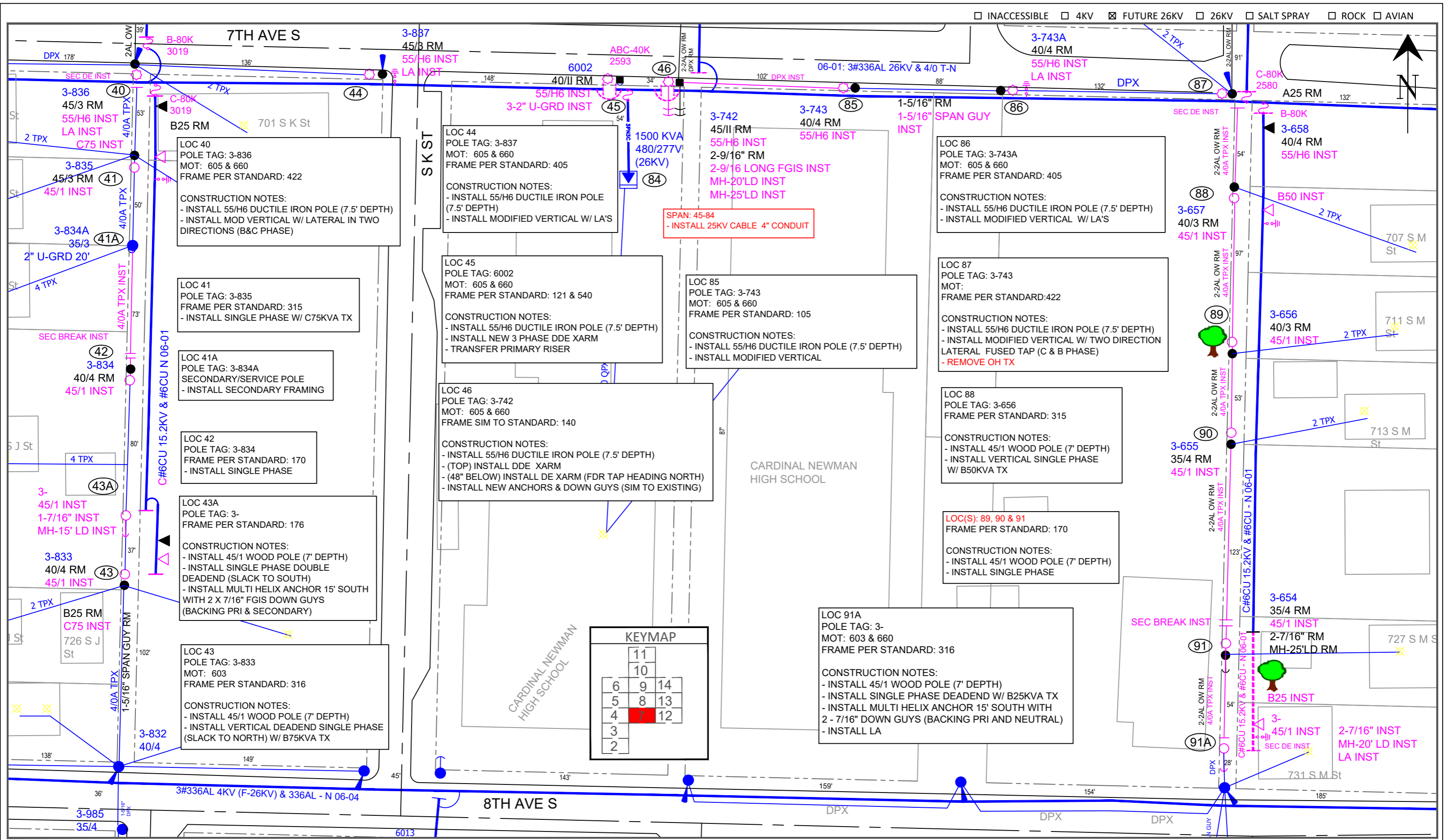
Easement?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Tree Work?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Map Posting?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Posted by	

Survey/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Work With SMO?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Designer/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>	CT/Special Mtr?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Trench Feet		Duct Bank Feet	
CITY <input checked="" type="checkbox"/>	DR. DIST. <input type="checkbox"/>	COUNTY AIR <input type="checkbox"/>	TRANSM. <input type="checkbox"/>
WMD <input type="checkbox"/>	RR XING <input type="checkbox"/>	COUNTY RD <input type="checkbox"/>	STATE RD <input type="checkbox"/>
Telephone Request? <input type="checkbox"/>		CATV Request? <input type="checkbox"/>	

Circuit Data	
Circuit	SWS



Job Owner:	J. St. Simon	Phone:	561-533-7353	JOB NUMBER:	185502	
Designed By:	J. Coissy	6TH AVE S HARDENING CIRCUIT 4R0601			Date:	10/27/2022
Drawn By:	J. Coissy				Print No.	6 Of 14
Check By:		610 S H ST LAKE WORTH, FLORIDA				
Scale:	1" = 50'					



3	Issued For Construction	10/27/2022				
2	80% FOR REVIEW	11/12/2021				
1	60% FOR REVIEW	10/04/2021				
	60% FOR REVIEW	6/22/2021				
REV	REVISION	DATE	DRN	DSGN	CKD	APPD

Easement? YES NO
 Tree Work? YES NO
 Map Posting? YES NO
 Posted by _____

Survey/Stake? YES NO
 Designer/Stake? YES NO
 Trench Feet _____ Duct Bank Feet _____
 PERMIT RECORD: CITY DR. DIST. COUNTY AIR TRANS. FAA
 WMD RR XING COUNTY RD STATE RD
 Telephone Request? CATV Request?

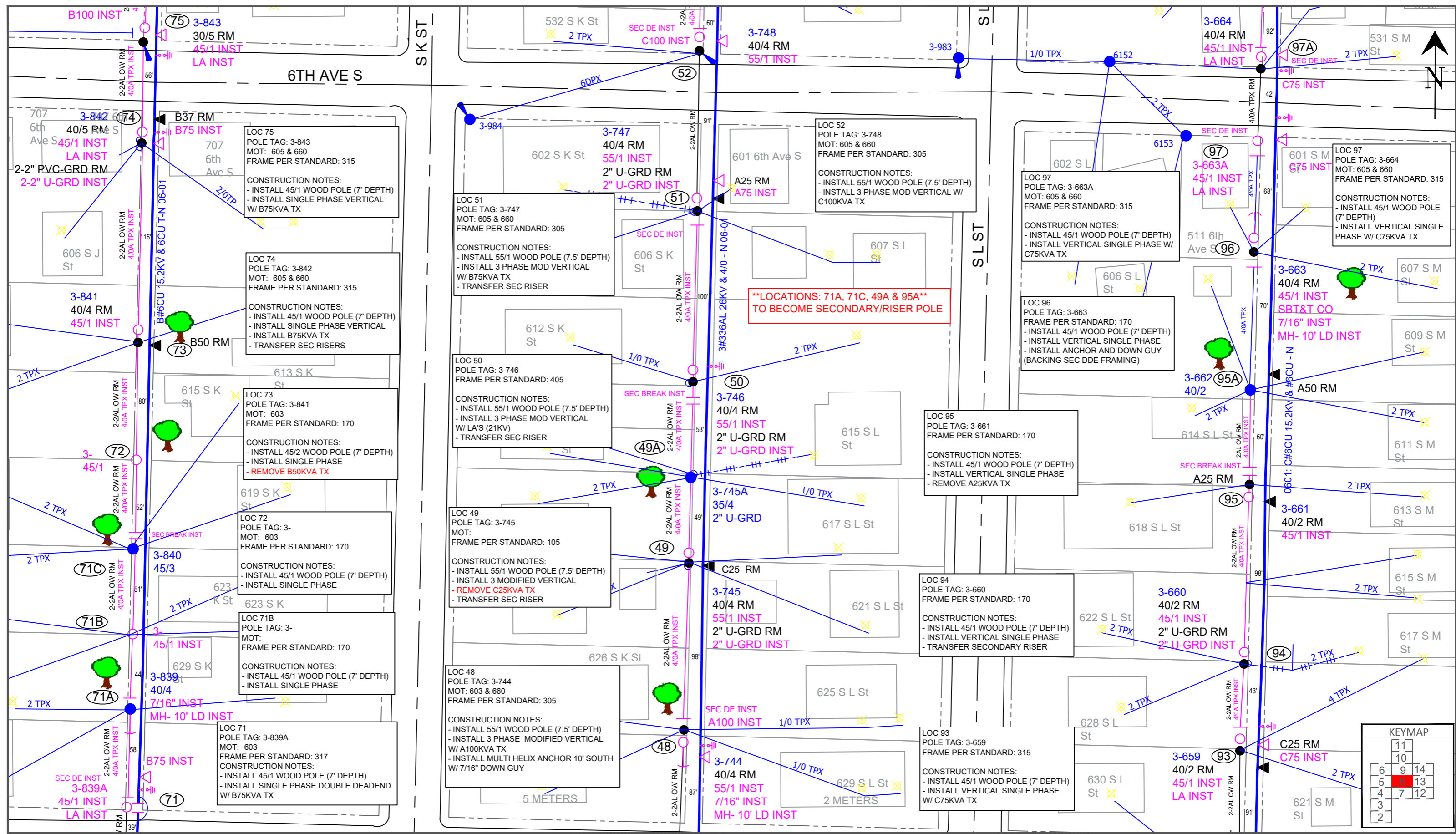
Work With SMO? YES NO
 CT/Special Mtr? YES NO
 Circuit Data _____
 Circuit _____ SWS _____



Job Owner: **J. St. Simon** Phone: 561-533-7353 JOB NUMBER: **185502**
 Designed By: **J. Coissy**
 Drawn By: **J. Coissy**
 Check By: _____
 Scale: 1" = 50'

6TH AVE S HARDENING CIRCUIT 4R0601
 610 S H ST
 LAKE WORTH, FLORIDA

Date: **10/27/2022**
 Print No. **7 Of 14**



3	Issued For Construction	10/27/2022				
2	80% FOR REVIEW	11/12/2021				
1	60% FOR REVIEW	10/04/2021				
	60% FOR REVIEW	6/22/2021				
REV	REVISION	DATE	DRN	DSGN	CKD	APPD

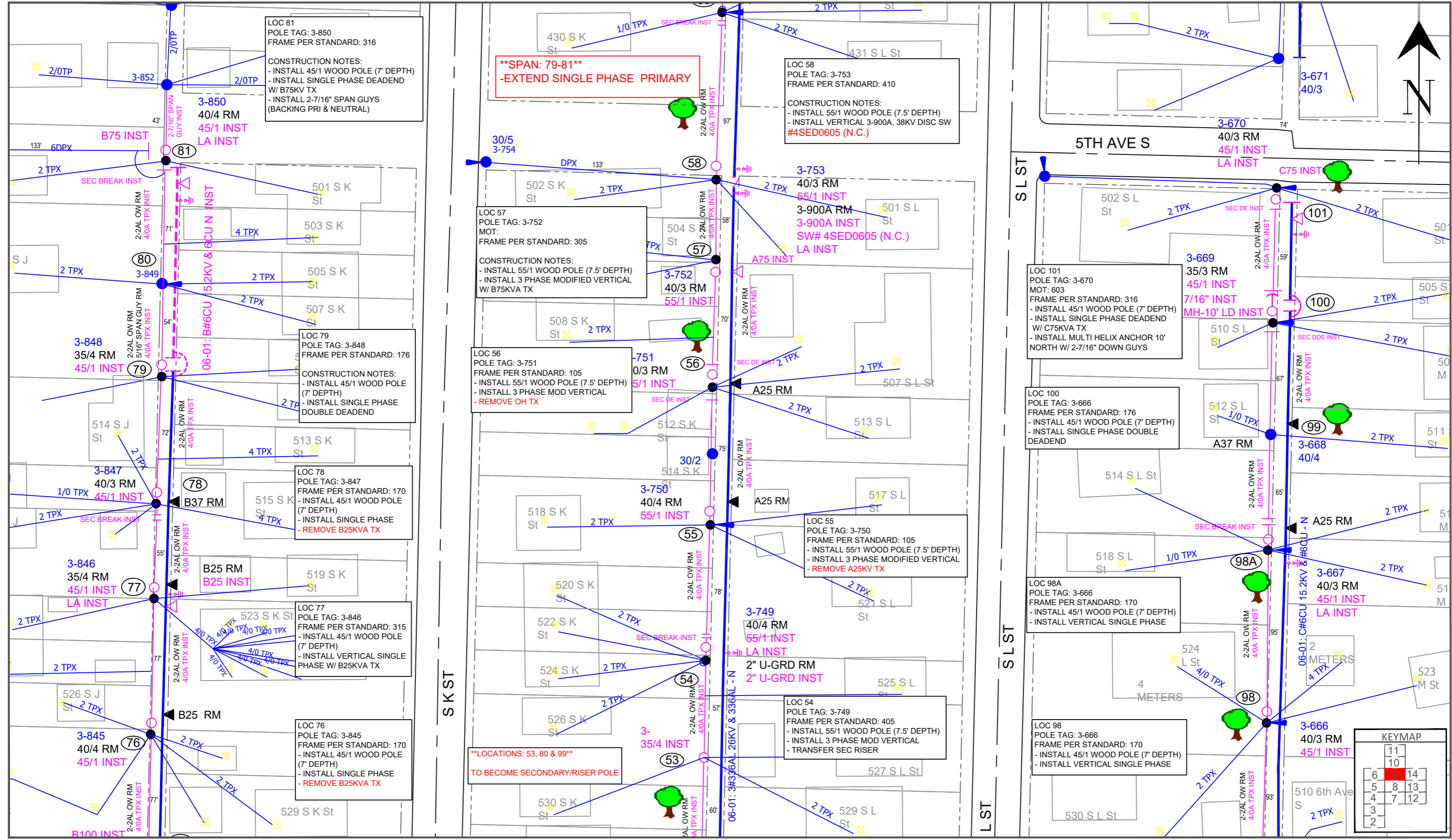
Easement? YES NO
 Tree Work? YES NO
 Map Posting? YES NO
 Posted by _____

Survey/Stake? YES NO
 Designer/Stake? YES NO
 Trench Feet _____ Duct Bank Feet _____
 Permit Request? Telephone Request?
 Work With SMO? YES NO
 CT/Special Mtr? YES NO
 CATV Request?

Circuit Data
 Circuit _____ SWS _____



Job Owner: **J. St. Simon** Phone: 561-533-7353 JOB NUMBER: **185502**
 Designed By: **J. Coissy**
 Drawn By: **J. Coissy**
 Check By: _____
 Scale: 1" = 50'
6TH AVE S HARDENING
CIRCUIT 4R0601
 610 S H ST
 LAKE WORTH, FLORIDA
 Date: **10/27/2022**
 Print No. 8 Of 14



REV	REVISION	DATE	DRN	DSGN	CKD	APPD
3	Issued For Construction	10/27/2022				
2	80% FOR REVIEW	11/12/2021				
1	60% FOR REVIEW	10/04/2021				
	60% FOR REVIEW	6/22/2021				

Easement? YES NO
 Tree Work? YES NO
 Map Posting? YES NO
 Posted by _____

Survey/Stake? YES NO
 Designer/Stake? YES NO
 Trench Feet _____
 Duct Bank Feet _____

Work With SMO? YES NO
 CT/Special Mtr? YES NO
 Permit Required? CITY DR. DIST. COUNTY AIR TRANS. FAA
 WMD RR XING COUNTY RD STATE RD
 Telephone Request? CATV Request?



Job Owner: **J. St. Simon** Phone: 561-533-7353 JOB NUMBER: **185502**
 Designed By: **J. Coissy**
 Drawn By: **J. Coissy**
 Check By: _____
 Scale: 1" = 50'

6TH AVE S HARDENING
CIRCUIT 4R0601
 610 S H ST
 LAKE WORTH, FLORIDA

Date: **10/27/2022**
 Print No. 9 Of 14

KEYMAP

11
10
6 14
5 8 13
4 7 12
3
2

LOC 64
 POLE TAG: 3-762
 MOT: 605 & 660
 FRAME PER STANDARD: 105

 CONSTRUCTION NOTES:
 - INSTALL 55/1 WOOD POLE (7.5' DEPTH)
 - INSTALL 3 PHASE MODIFIED VERTICAL

LOC 63
 POLE TAG: 3-760
 MOT: 605 & 660
 FRAME PER STANDARD: 305

 CONSTRUCTION NOTES:
 - INSTALL 55/1 WOOD POLE (7.5' DEPTH)
 - INSTALL 3 PHASE MODIFIED VERTICAL
 W/ B75KVA TX

****LOCATIONS: 59A & 60A ****
TO BECOME SECONDARY/RISER POLE

LOC 62
 POLE TAG: 3-758
 MOT: 605 & 660
 FRAME PER STANDARD: 105

 CONSTRUCTION NOTES:
 - INSTALL 55/1 WOOD POLE (7.5' DEPTH)
 - INSTALL 3 PHASE MODIFIED VERTICAL

LOC 62A
 POLE TAG: 3-
 MOT: 605 & 660
 FRAME PER STANDARD: 305

 CONSTRUCTION NOTES:
 - INSTALL 55/1 WOOD POLE (7.5' DEPTH)
 - INSTALL 3 PHASE MODIFIED VERTICAL
 W/ A100KVA TX

LOC 61
 POLE TAG: 3-758
 FRAME PER STANDARD: 405

 CONSTRUCTION NOTES:
 - INSTALL 55/1 WOOD POLE (7.5' DEPTH)
 - INSTALL 3 PHASE MODIFIED VERTICAL
 W/ 21KV LA'S

LOC 59
 POLE TAG: 3-755
 FRAME PER STANDARD: 305

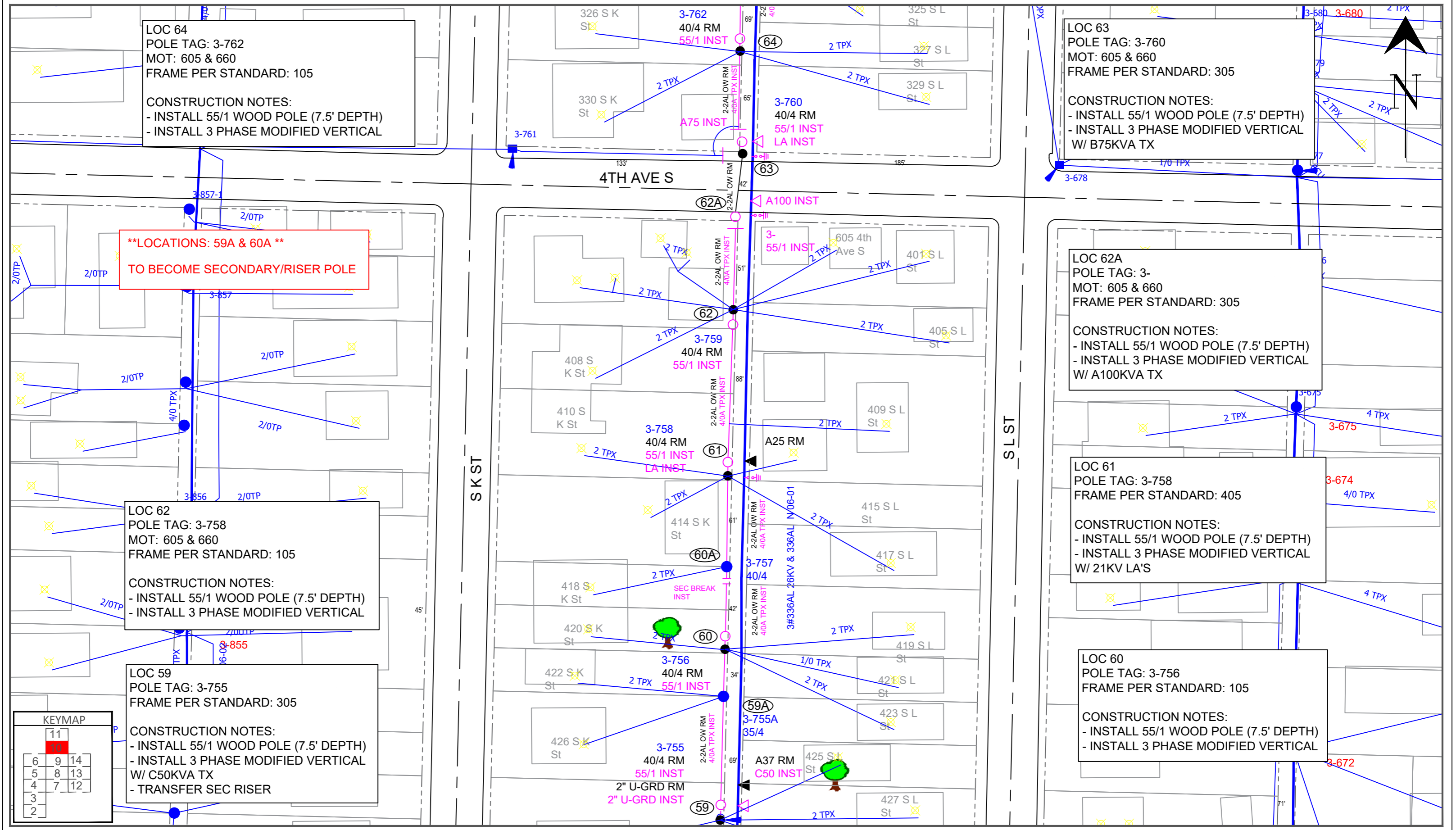
 CONSTRUCTION NOTES:
 - INSTALL 55/1 WOOD POLE (7.5' DEPTH)
 - INSTALL 3 PHASE MODIFIED VERTICAL
 W/ C50KVA TX
 - TRANSFER SEC RISER

LOC 60
 POLE TAG: 3-756
 FRAME PER STANDARD: 105

 CONSTRUCTION NOTES:
 - INSTALL 55/1 WOOD POLE (7.5' DEPTH)
 - INSTALL 3 PHASE MODIFIED VERTICAL

KEYMAP

11
10
6 9 14
5 8 13
4 7 12
3
2



3	Issued For Construction	10/27/2022				
2	80% FOR REVIEW	11/12/2021				
1	60% FOR REVIEW	10/04/2021				
	60% FOR REVIEW	6/22/2021				
REV	REVISION	DATE	DRN	DSGN	CKD	APPD

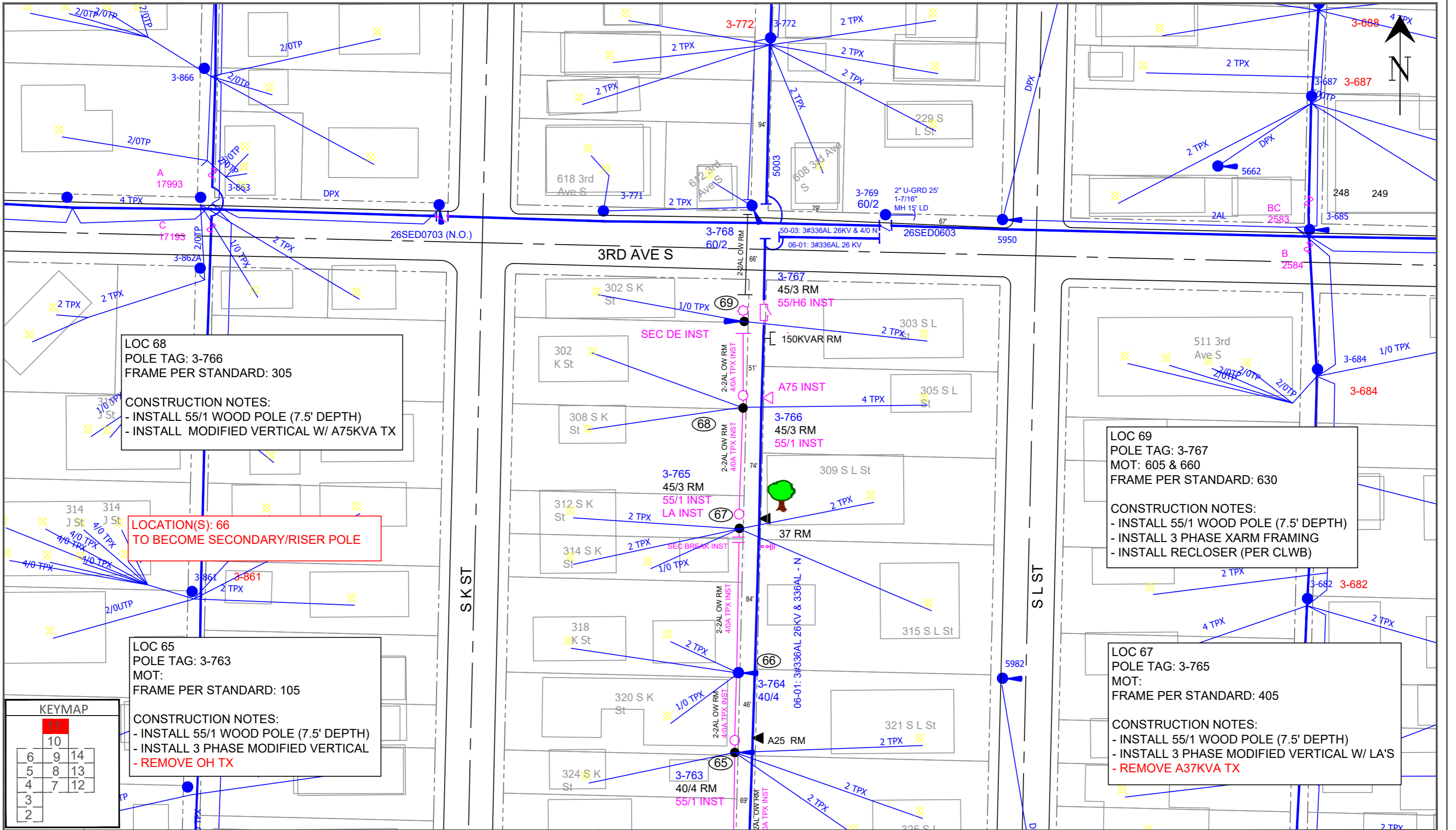
Easement? YES NO
 Tree Work? YES NO
 Map Posting? YES NO
 Posted by _____

Survey/Stake? YES NO
 Designer/Stake? YES NO
 Trench Feet _____
 Duct Bank Feet _____
 Work With SMO? YES NO
 CT/Special Mtr? YES NO
 Telephone Request? CATV Request?

Circuit Data
 Circuit _____ SWS _____



Job Owner: **J. St. Simon** Phone: 561-533-7353 JOB NUMBER: **185502**
 Designed By: **J. Coissy**
 Drawn By: **J. Coissy**
 Check By: _____
 Scale: 1" = 50'
6TH AVE S HARDENING
CIRCUIT 4R0601
 610 S H ST
 LAKE WORTH, FLORIDA
 Date: **10/27/2022**
 Print No. **10 Of 14**



LOC 68
 POLE TAG: 3-766
 FRAME PER STANDARD: 305
 CONSTRUCTION NOTES:
 - INSTALL 55/1 WOOD POLE (7.5' DEPTH)
 - INSTALL MODIFIED VERTICAL W/ A75KVA TX

LOCATION(S): 66
TO BECOME SECONDARY/RISER POLE

LOC 65
 POLE TAG: 3-763
 MOT:
 FRAME PER STANDARD: 105
 CONSTRUCTION NOTES:
 - INSTALL 55/1 WOOD POLE (7.5' DEPTH)
 - INSTALL 3 PHASE MODIFIED VERTICAL
 - REMOVE OH TX

LOC 69
 POLE TAG: 3-767
 MOT: 605 & 660
 FRAME PER STANDARD: 630
 CONSTRUCTION NOTES:
 - INSTALL 55/1 WOOD POLE (7.5' DEPTH)
 - INSTALL 3 PHASE XARM FRAMING
 - INSTALL RECLOSER (PER CLWB)

LOC 67
 POLE TAG: 3-765
 MOT:
 FRAME PER STANDARD: 405
 CONSTRUCTION NOTES:
 - INSTALL 55/1 WOOD POLE (7.5' DEPTH)
 - INSTALL 3 PHASE MODIFIED VERTICAL W/ LA'S
 - REMOVE A37KVA TX

KEYMAP			
	10		
6	9	14	
5	8	13	
4	7	12	
3			
2			

3	Issued For Construction	10/27/2022				
2	80% FOR REVIEW	11/12/2021				
1	60% FOR REVIEW	10/04/2021				
	60% FOR REVIEW	6/22/2021				
REV	REVISION	DATE	DRN	DSGN	CKD	APPD

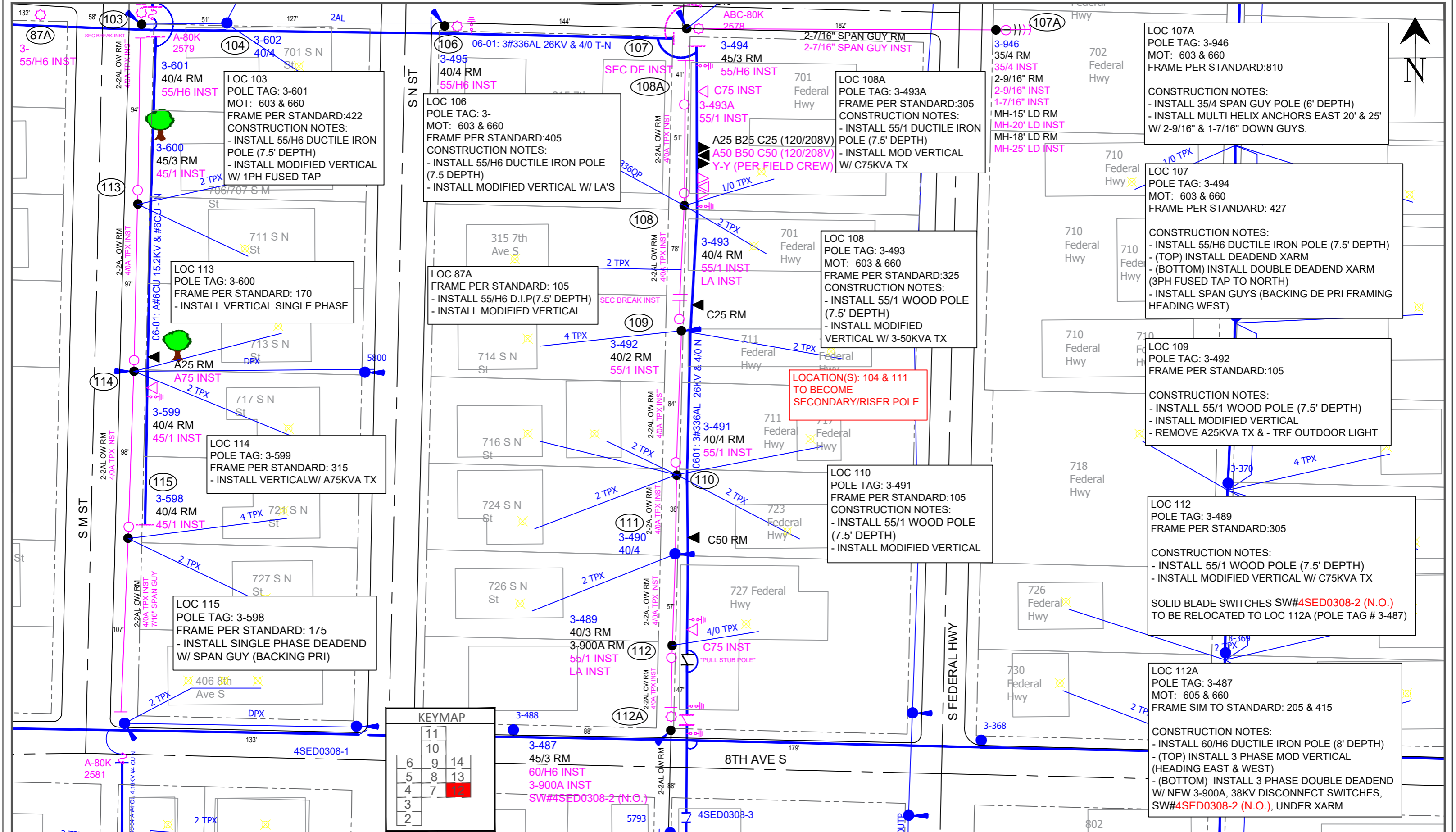
Easement?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Tree Work?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Map Posting?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Posted by	

Survey/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Work With SMO?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Designer/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>	CT/Special Mtr?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Trench Feet		Duct Bank Feet	
PERMIT RECORD CITY <input checked="" type="checkbox"/> DR. DIST. <input type="checkbox"/> COUNTY AIR <input type="checkbox"/> TRANSM. <input type="checkbox"/> FAA <input type="checkbox"/> WMD <input type="checkbox"/> RR XING <input type="checkbox"/> COUNTY RD <input type="checkbox"/> STATE RD <input type="checkbox"/> Telephone Request? <input type="checkbox"/> CATV Request? <input type="checkbox"/>			

Circuit Data	
Circuit	SWS



Job Owner:	J. St. Simon	Phone:	561-533-7353	JOB NUMBER:	185502
Designed By:	J. Coissy	6TH AVE S HARDENING CIRCUIT 4R0601		Date:	10/27/2022
Drawn By:	J. Coissy			Print No.	11 Of 14
Check By:		610 S H ST LAKE WORTH, FLORIDA			
Scale:	1" = 50'				



3	Issued For Construction	10/27/2022			
2	80% FOR REVIEW	11/12/2021			
1	60% FOR REVIEW	10/04/2021			
	60% FOR REVIEW	6/22/2021			
REV	REVISION	DATE	DRN	DSGN	CKD

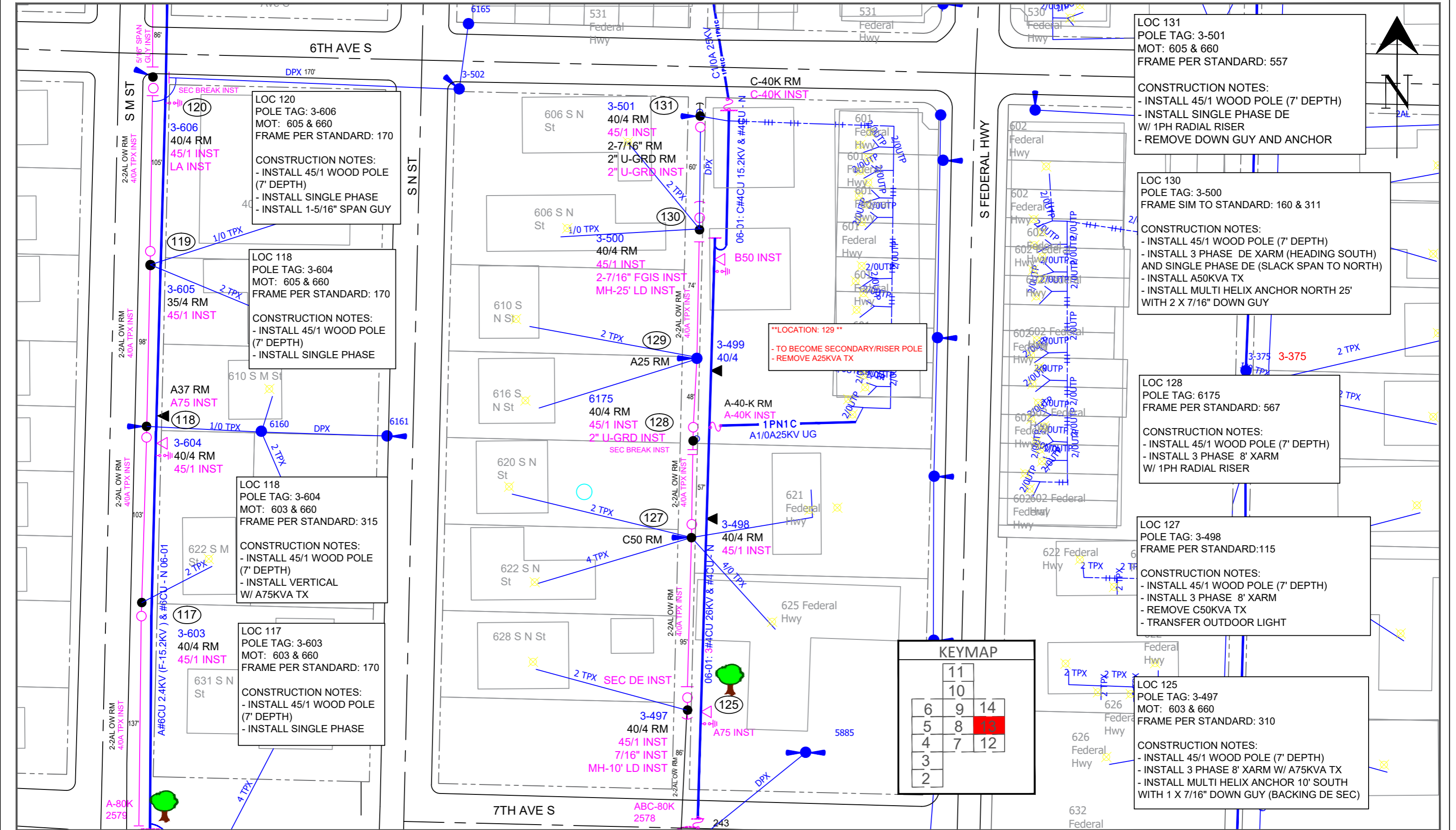
Easement?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Tree Work?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Map Posting?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Posted by	

Survey/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Work With SMO?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Designer/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>	CT/Special Mtr?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Trench Feet		Duct Bank Feet	
PERMIT RECORD	CITY <input checked="" type="checkbox"/> DR. DIST. <input type="checkbox"/> COUNTY AIR <input type="checkbox"/> TRANS. <input type="checkbox"/> FAA <input type="checkbox"/>	STATE RD <input type="checkbox"/>	
Telephone Request?	<input type="checkbox"/>	CATV Request?	<input type="checkbox"/>

Circuit Data	
Circuit	SWS



Job Owner:	J. St. Simon	Phone:	561-533-7353	JOB NUMBER:	185502
Designed By:	J. Coissy	6TH AVE S HARDENING CIRCUIT 4R0601		Date:	10/27/2022
Drawn By:	J. Coissy			Print No.	12 Of 14
Check By:		610 S H ST LAKE WORTH, FLORIDA		Scale:	1" = 50'



LOC 131
 POLE TAG: 3-501
 MOT: 605 & 660
 FRAME PER STANDARD: 557
CONSTRUCTION NOTES:
 - INSTALL 45/1 WOOD POLE (7' DEPTH)
 - INSTALL SINGLE PHASE DE W/ 1PH RADIAL RISER
 - REMOVE DOWN GUY AND ANCHOR

LOC 130
 POLE TAG: 3-500
 FRAME SIM TO STANDARD: 160 & 311
CONSTRUCTION NOTES:
 - INSTALL 45/1 WOOD POLE (7' DEPTH)
 - INSTALL 3 PHASE DE XARM (HEADING SOUTH) AND SINGLE PHASE DE (SLACK SPAN TO NORTH)
 - INSTALL A50KVA TX
 - INSTALL MULTI HELIX ANCHOR NORTH 25' WITH 2 X 7/16" DOWN GUY

LOC 128
 POLE TAG: 6175
 FRAME PER STANDARD: 567
CONSTRUCTION NOTES:
 - INSTALL 45/1 WOOD POLE (7' DEPTH)
 - INSTALL 3 PHASE 8' XARM W/ 1PH RADIAL RISER

LOC 127
 POLE TAG: 3-498
 FRAME PER STANDARD: 115
CONSTRUCTION NOTES:
 - INSTALL 45/1 WOOD POLE (7' DEPTH)
 - INSTALL 3 PHASE 8' XARM
 - REMOVE C50KVA TX
 - TRANSFER OUTDOOR LIGHT

LOC 125
 POLE TAG: 3-497
 MOT: 603 & 660
 FRAME PER STANDARD: 310
CONSTRUCTION NOTES:
 - INSTALL 45/1 WOOD POLE (7' DEPTH)
 - INSTALL 3 PHASE 8' XARM W/ A75KVA TX
 - INSTALL MULTI HELIX ANCHOR 10' SOUTH WITH 1 X 7/16" DOWN GUY (BACKING DE SEC)

****LOCATION: 129****
 - TO BECOME SECONDARY/RISER POLE
 - REMOVE A25KVA TX

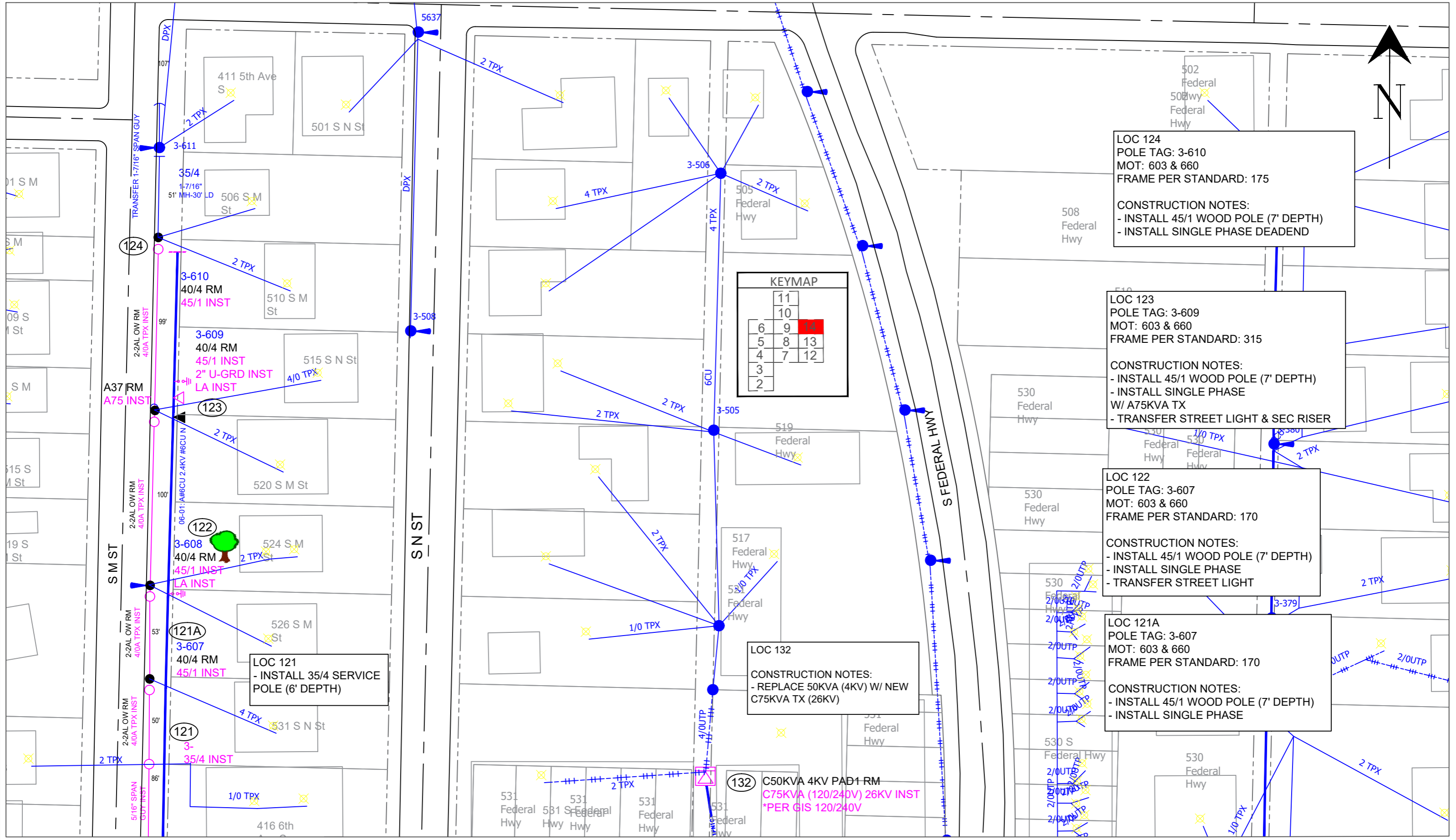
11
10
6 9 14
5 8 13
4 7 12
3
2

REV	REVISION	DATE	DRN	DSGN	CKD	APPD
3	Issued For Construction	10/27/2022				
2	80% FOR REVIEW	11/12/2021				
1	60% FOR REVIEW	10/04/2021				
	60% FOR REVIEW	6/22/2021				

Easement?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Survey/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Work With SMO?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Circuit Data	
Tree Work?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Designer/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>	CT/Special Mtr?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Circuit	SWS
Map Posting?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Trench Feet		Duct Bank Feet			
Posted by		CITY <input checked="" type="checkbox"/> DR. DIST. <input type="checkbox"/> COUNTY AIR <input type="checkbox"/> TRANSM. <input type="checkbox"/> FAA <input type="checkbox"/>		WMD <input type="checkbox"/> RR XING <input type="checkbox"/> COUNTY RD <input type="checkbox"/> STATE RD <input type="checkbox"/>			
		Telephone Request? <input type="checkbox"/>		CATV Request? <input type="checkbox"/>			



Job Owner:	J. St. Simon	Phone:	561-533-7353	JOB NUMBER:	185502	
Designed By:	J. Coissy	6TH AVE S HARDENING CIRCUIT 4R0601			Date:	10/27/2022
Drawn By:	J. Coissy				Print No.	13 Of 14
Check By:		610 S H ST LAKE WORTH, FLORIDA		Scale:	1" = 50'	



3	Issued For Construction	10/27/2022				
2	80% FOR REVIEW	11/12/2021				
1	60% FOR REVIEW	10/04/2021				
	60% FOR REVIEW	6/22/2021				
REV	REVISION	DATE	DRN	DSGN	CKD	APPD

Easement?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Survey/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Work With SMO?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Circuit Data	
Tree Work?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Designer/Stake?	YES <input type="checkbox"/> NO <input type="checkbox"/>	CT/Special Mtr?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Circuit	SWS
Map Posting?	YES <input type="checkbox"/> NO <input type="checkbox"/>	Trench Feet		Duct Bank Feet			
Posted by		CITY <input checked="" type="checkbox"/> DR. DIST. <input type="checkbox"/> COUNTY AIR <input type="checkbox"/> TRANSM. <input type="checkbox"/> FAA <input type="checkbox"/>					
		WMD <input type="checkbox"/> RR XING <input type="checkbox"/> COUNTY RD <input type="checkbox"/> STATE RD <input type="checkbox"/>					
		Telephone Request? <input type="checkbox"/>		CATV Request? <input type="checkbox"/>			

Job Owner: **J. St. Simon** Phone: 561-533-7353 JOB NUMBER: **185502**

Designed By: **J. Coissy**

Drawn By: **J. Coissy**

Check By:

Scale: 1" = 50'

6TH AVE S HARDENING
CIRCUIT 4R0601

610 S H ST
 LAKE WORTH, FLORIDA

Date: **10/27/2022**

Print No. **14 Of 14**