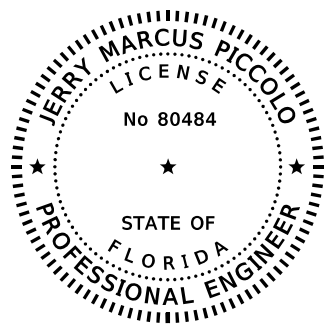


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THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

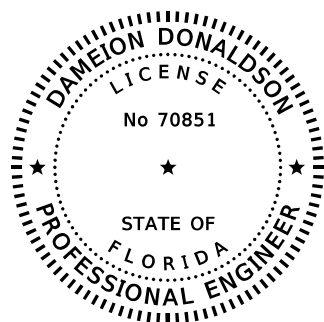
ON THE DATE ADJACENT TO THE SEAL

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- E-1 ELECTRICAL NOTES, SYMBOLS, & ABBREVIATIONS
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ON THE DATE ADJACENT TO THE SEAL

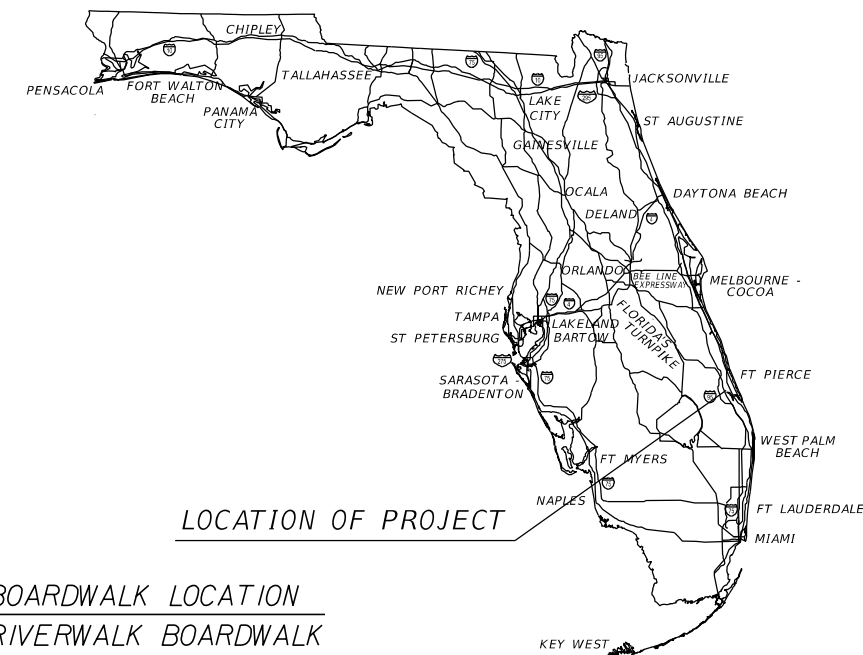
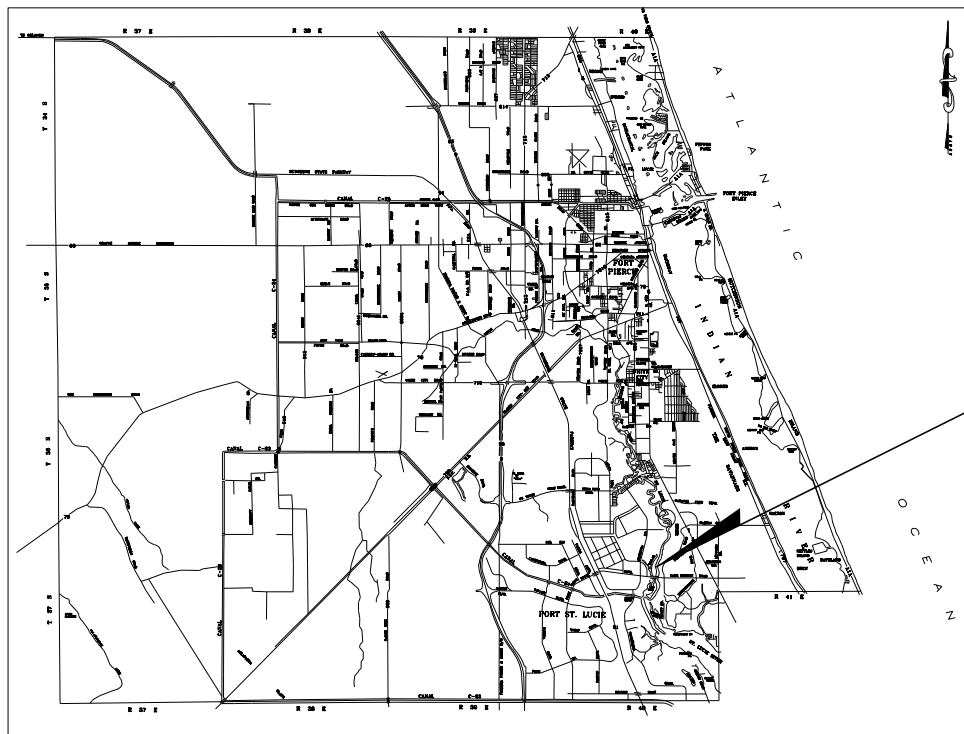
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CITY OF PORT ST. LUCIE
CITY COUNCIL
**RIVERWALK BOARDWALK
REHABILITATION**

CONTRACT PLANS

CITY CONTRACT NO. 20230084

ST. LUCIE COUNTY



LOCATION OF PROJECT

BOARDWALK LOCATION
RIVERWALK BOARDWALK

CITY COUNCIL

- Mayor - Shannon M. Martin
- Vice Mayor - Jolien Caraballo
- District 1 - Stephanie Morgan
- District 2 - David Pickett
- District 3 - Anthony Bonna, Sr.

P R E P A R E D F O R



STRUCTURE PLANS
ENGINEER OF RECORD:

Kimley»Horn

JERRY MARCUS PICCOLO, P.E. NO.: 80484
KIMLEY-HORN AND ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FLORIDA 33411
(561) 840 0277
REGISTRY NO. 35106

100% PLANS
AUGUST 2024

CITY OF PORT ST. LUCIE PROJECT MANAGER: MIKE KENDRICK

SHEET NO.

S-1

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STRUCTURAL NOTES

- In case of conflict between the requirements of the specifications/construction drawings and these notes, the more stringent requirement shall apply.
- The governing codes for this project are the Florida Building Code (FBC) Eighth Edition (2023).
- The governing specifications for this project are the 2024 Standard Specification for Road and Bridge Construction as amended herein.
- The contract documents have made no intent to give specific instructions concerning the means, methods, techniques, sequences, procedures and assignment of work.
- The Contractor shall be solely responsible for supervising and directing the work.
- Construction shall comply with requirements of the governing building code and all other applicable federal, state, and local codes, standards, regulations and laws.
- Contractor shall visit project site and be familiar with the proposed work. The Contractor shall take field measurements and verify all field conditions, and report any discrepancies to the Engineer prior to construction.
- Contractor shall review all contract documents, dimensions, and site conditions. Prior to construction, the Contractor shall coordinate field dimensions and project shop drawings. The Contractor shall verify all dimensions given on structural drawings relating to grid lines, column locations, structural and finished floor elevations, member sizes, etc, before starting any work. Report any discrepancies verbally and in writing immediately to the Engineer prior to proceeding with work. Work shall not commence until the discrepancies are resolved. Do not change size or dimensions of structural members without written instructions from the project Engineer of Record.
- Discrepancies, omissions or variations noted on the drawings or in the specifications discovered during and after the bidding period shall be immediately communicated in writing to the Engineer.
- Contractor shall protect existing facilities, structures and utility lines from damage and shall protect his work, adjacent property and the public. Contractor is solely responsible for job site safety, construction procedures and damage or injury due to his act or neglect.
- Scaling of drawings shall not be used to obtain or verify any dimension shown on the drawings. The Contractor shall refer to the Engineer for instruction for any dimension not given on drawings.
- Contractor shall provide 48 hours minimum advance notice to Engineer for all required field reviews.
- Contractor shall assemble and install materials and products in strict accordance with the Manufacturer's instructions and with industry/association standards.
- Prior to construction activities, the Contractor shall have the plan view limits of the boardwalk surveyed by a Professional Surveyor licensed in the State of Florida. At the completion of the project, the Contractor shall have the plan view limits surveyed by a Professional Surveyor licensed in the State of Florida. Surveys shall be provided to the City and Engineer.

DOCUMENTS AND LIMITATIONS

- The drawings, calculations, and reproductions relating to the structural part of the project are instruments of service to be used for this project only.
- It is understood that the Engineer makes no warranty, either expressed or implied, as to the findings, designs, recommendations, specifications, or professional advice except that these instruments of service have been prepared in accordance with current generally accepted professional engineering practices.

DESIGN LOADING

- Dead Loads: Superimposed dead load 10 psf (Boardwalk)
- Live Loads: 90 psf (Boardwalk)
- Wind Loads:
Governing Code: ASCE 7-22
Basic Wind Speed: Vult=170 mph St. Lucie County, Florida
- Directionality Factor: 0.85 - Exposure Category: C - Risk Category: I

UTILITIES

- Prior to commencement of any excavation, the Contractor shall comply with Florida Statute 556, underground facility damage prevention and safety.
- The Contractor shall call Sunshine (1-800-432-4770) for field locations two (2) business days prior to commencement of any excavation. The Contractor shall also be responsible to contact any utility owner(s) that may not be a "sunshine" member.
- The location of some existing utilities are shown in their approximate location; the exact location shall be determined by the Contractor during construction. Relocation of utilities shall be coordinated with the utility companies after identification of conflict by the Contractor. Contractor shall notify Engineer in advance before any relocation.
- Existing utilities are to remain in place unless otherwise noted.
- The Contractor is responsible for the protection of all utilities to remain in place.
- The utility companies shall be notified by the Contractor two (2) business days in advance of any excavation involving their utilities so that company representative can be present.

EROSION CONTROL

- Comply with Florida Department of Transportation Standard Specification Section 104 for all erosion control measures.

SHOP DRAWINGS AND OTHER SUBMITTALS

- Review of submittals by the Engineer is for general conformance with the design concept as presented by the Contract Documents. No detailed check of quantities or dimensions will be made. Only those submittals required to be submitted will be reviewed. All others will be returned without review.

- All submittals shall be accompanied by a letter of transmittal. Contractor's submittal number shall be indicated on transmittal. Do not combine different submittals on the same transmittal. Submit shop drawings in a timely manner, consistent with the above, and prior to fabrication, installation or commencement of the work. Allow up to 10 working days for Engineer to review and return shop drawings. Number of copies of each submitted shop drawing shall be sufficient for Engineer to retain 2 copies.
- All submittals must bear evidence of Contractor's review (including company stamp and dated signature of reviewer) and must be approved or approved as noted by him prior to submitting to the Engineer.
- All changes and additions made on resubmittals must be clearly flagged and noted. The purpose of the resubmittals must be clearly noted on the letter of transmittal. Engineer review will be limited to those items causing the resubmittal.
- Do not reproduce the structural drawings for use as erection, placing or fabrication drawings.
- Submittals not meeting the above criteria or submitted after fabrication will not be reviewed.
- Submittals: at a minimum, the following shall be submitted, as applicable, to the Engineer for review and compliance with the intent of the Contract Documents prior to fabrication, installation, or commencement of the work.
 - Material certifications or data sheets for all timber and decking materials.
 - Product data sheets for all bolts, nuts, washers, and other hardware.
 - Aluminum Railing layout and materials.

TIMBER

- Timber sizes shown in the plans are nominal sizes.
- Timber piling shall meet category UC5C and be pressure treated with Chromated Copper Arsenate (CCA) 2.5 CCA
- All 4 x X timber members shall meet category UC5C and be pressure treated with Chromated Copper Arsenate (CCA) 2.5 CCA
- All 3 x X timber members shall meet category UC5C and be pressure treated with Chromated Copper Arsenate (CCA) 2.5 CCA
- All 2 x X timber members shall meet category UC4C and be pressure treated with Chromated Copper Arsenate (CCA) 0.6 CCA
- Timber - P.T. Southern Yellow Pine
-No. 1 P.T. S.Y.P.
-FB=1,250 psi
-FV=175 psi
-E= 580,000 psi
- Timber piles shall follow FDOT Specification Section 953 and treated in accordance with FDOT Standard Specification Section 955.
- All Decking and top runners shall be 2x6 WEARDECK Decking boards installed in accordance with the Plans and Manufacturer Specifications. Color to be selected by the Owner.
- All railing side mounted runners shall be timber 2x6 members.

FASTENERS

- All bolts, nuts, washers, screws, threaded rod, and fasteners used in conjunction with timber elements shall be Type 316 Stainless Steel.
 - Stainless Steel Bolts / Threaded Rod: ASTM A 193 Grade 8BM, Class 1.
 - Stainless Steel Nuts: ASTM A194 Grade 8M
 - Plates: Stainless Steel Type 316
- All bolts on the inside face (walkway side) of the guardrail system shall be recessed flush with the guardrail.
- All screw heads shall be counter sunk flush with the decking and timber railing system.
- Washers shall be placed at both ends (bolt and nut) of all bolted connections.
- All bolts shall utilize a jam nut.

ALUMINUM RAILING

- Pipe material: Aluminum Alloy 6061-T6
- Pipe Size: 1½" NPS (Sch. 40)
- Handrail shall follow FBC 8th Edition
- End Rails (bends) Aluminum Alloy 6063-T5 is permitted

CLEAN UP:

- The contractor shall at all times keep the site free from accumulation of waste materials or rubbish caused by his employees.
- At no time is any debris resulting from the project permitted within the waterway or associated areas. Contractor shall collect all debris and properly dispose off site.

BID ITEMS:

- Payment for all incidentals is to be included in the price bid for contract items.

AS-BUILT DRAWINGS:

- Contractor shall prepare and maintain current a set of redlined as-built drawings showing all deviations and changes made to the construction drawings.
- As-built drawings shall be made available to the owner for review upon request at any time during the course of the project.
- Contractor shall submit the original as-built drawings to the owner within one week from the date of final completion, and prior to owner's acceptance of contractor's final invoice.
- Submitted as-built drawings will remain the property of the owner.

REVISIONS						 JERRY MARCUS PICCOLO, P.E. P.E. LICENSE NUMBER 80484 1920 WEKIVA WAY, SUITE 200 WEST PALM BEACH, FL 33411 (561) 845-0665 REGISTRY NO. 35106	CITY OF PORT ST. LUCIE	GENERAL NOTES (1 OF 2)	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		PARKS AND RECREATION	RIVERWALK BOARDWALK REHABILITATION	S-2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

DOCUMENTS AND LIMITATIONS:

1. The drawings, calculations, and reproductions relating to this project are instruments of service to be used for this project only.
2. It is understood that the engineer makes no warranty, either expressed or implied, as to the findings, designs, recommendations, specifications, or professional advice except that these instruments of service have been prepared in accordance with current generally accepted professional engineering practices.

MAINTENANCE OF PEDESTRIAN TRAFFIC

1. Contractor to close off area to pedestrian traffic for the duration of construction.

EXISTING BOARDWALK REMOVAL

1. The Contractor shall fully remove all elements of the existing boardwalk as shown in the plans and properly dispose of offsite.

TIMBER PILE NOTES

1. All timber piles shall be installed in accordance with "Supplemental Geotech Report Riverwalk Boardwalks Rehabilitation Project" Aradaman File No. 24-66-5451.
2. All new timber piles along the boardwalk shall be embedded minimum of 30 feet below the existing mudline.
3. No jetting is permitted.
4. Timber piles shall follow FDOT Specification Section 455-6.

REVISIONS						 <small>JERRY MARCUS PICCOLO, P.E. P.E. LICENSE NUMBER 80484 1920 WEKIVA WAY, SUITE 200 WEST PALM BEACH, FL 33411 (561) 845-0665 REGISTRY NO. 35106</small>	CITY OF PORT ST. LUCIE PARKS AND RECREATION	GENERAL NOTES (2 OF 2) RIVERWALK BOARDWALK REHABILITATION	SHEET NO. S-3
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				

RIVERWALK BOARDWALK			
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY
1	Mobilization, Demobilization & General Conditions	LS	1
2	Staging Area & Marine Transport of Materials	LS	1
3	Prevention, Control, and Abatement of Erosion and Water Pollution	LS	1
4	Demo & Dispose - Existing Timber Piles	EA	194
5	Demo & Dispose - Existing Framing	SF	8790
6	Demo & Dispose - Existing Decking	SF	13,690
7	Demo & Dispose - Existing Timber Handrailing	LF	137
8	Demo & Dispose - Concrete Sidewalk Approaches	LO	3
9	Demo & Dispose - Abandoned Light Pole Supports	EA	5
10	Removal and Storage of to be Re-used Existing Aluminum Handrailing	LF	1,280
11	Removal and Storage of to be Re-used Existing Lights/Poles/CCTV	EA	9
12	Other Unclassified Demolition	LS	1
13	New 12" Min Butt x 55' long Timber Piling (North/South Boardwalk)	EA	188
14	New 12" Min Butt x 65' Long Timber Piling (Hexagon Outlook)	EA	30
15	New SYP Boardwalk Framing and SS Hardware	SF	8790
16	New 2X Weardeck and SS Hardware	SF	13,690
17	Cross Bracing	LO	41
18	New Timber Handrail with Weardeck Top Cap	LF	137
19	New 2x6 Weardeck Top Cap Installed on Entirety of East/West Boardwalk	LF	960
20	New North Boardwalk Extension with Railing and Concrete Footer	LS	1
21	New Aluminum Handrailing	LF	755
22	Re-installation of Aluminum Handrailing	LF	755
23	New Sidewalk Approaches	EA	3
24	Level Settled Boardwalk	LO	1
25	Remove and re-install Benches and Trash Recepticals	LS	1
26	New Electrical and Fiberoptic Service, Re-use Lights and CCTV, New Mounts	LS	1
27	New and Reused Waterline, New Hose Bibs, and New Mounts	LS	1

PAY ITEM NOTES

Pay Item 1 - Mobilization, Demobilization, & General Conditions
 This Pay item shall also include all costs associated with the pre and post construction survey of the boardwalk. This pay item shall also include all costs associated with development of as-built plans.

Pay Item 3 - Prevention, Control, and Abatement of Erosion and Water Pollution
 This pay item shall also include all costs associated with all measures required to meet FDOT Specification Section 104.

Pay Items 4 thru 9 Demo & Dispose
 These Pay Items shall also include all costs associated with properly disposing of all removed materials of site.

Pay Item 15 - New SYP Boardwalk Framing and SS Hardware
 This pay item shall also include all costs associated with furnishing and installing the SS tie down straps, SS hardware, and all timber framing members as shown in the plans.

Pay Item 17 - Cross Bracing
 This pay item shall also include all costs to furnish and install cross bracing at the locations shown on the plans.

Pay Item 19 - New 2x6 Weardeck Top Cap Installed on Entirety of East/West Boardwalk
 This pay item shall also include all associated with removing and properly disposing of the existing top cap.

Pay Item 20 - New North Boardwalk Extension with Railing and Concrete Footer
 This pay item shall also include all costs associated with furnishing and installing the northern boardwalk extension including but not limited to, excavations, compaction, footing material and installation, handrailing extension, boardwalk framing and decking, bearing pads, and sodding all areas damaged in construction.

Pay Item 26 - New Electrical and Fiberoptic Service, Re-use Lights and CCTV, new Mounts
 This pay item shall also include all costs associated with the furnishing and installing the strengthening of the existing light pole mounts at the seven locations shown in the plans on the northern section of boardwalk.

REVISIONS						 JERRY MARCUS PICCOLO, P.E. P.E. LICENSE NUMBER 80484 1920 WEKIVA WAY, SUITE 200 WEST PALM BEACH, FL 33411 (561) 845-0665 REGISTRY NO. 35106	CITY OF PORT ST. LUCIE PARKS AND RECREATION	SUMMARY OF QUANTITIES RIVERWALK BOARDWALK REHABILITATION	SHEET NO. S-4
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

1. Site Description

- A. Construction Activity: Riverwalk Boardwalk Rehabilitation
- B. Sequence of soil disturbing activities: Soil disturbing activities will take place during much of the anticipated construction period of this project. The following soil disturbing activities are listed in the approximate order in which they anticipated to occur.
 - 1. Removal of designated exiting timber piles
 - 2. Installation of new timber piles
- C. Total project area: 8790 SF
- D. Runoff data: N/A
- E. Site map: See General Site Plan
- F. Recieving waters: N/A

2. Controls

Sediment and turbidity controls: The sediment and turbidity controls shall be maintained by the Contractor to minimize and contain the amount of turbidity.

All items represented in the following discussion are treated in detail in the "Florida Department of Transportation Standard Specification for Road and Bridge Construction" or will be implemented by the Engineer in a manner appropriate to environmentally sensitive construction practices. The Contractor will generate site specific erosion control plan including an implementation schedule for each phase of construction operations or activities. The Contractor will also be required to modify the plan or materials to adapt to seasonal variations and supply contract time schedules for the implementation of each subunit.

- A. Boardwalk Removal and Installation Practices: During construction the Contractor will provide temporary floating turbidity curtains to encapsulate the areas in which Boardwalk pile removal and installation practices will occur.
- B. Phasing of Controls;
 - Phase I - Installation of Environmental Control Features
 - A. Environmental Control features as provided in the plans are to be installed throughout mobilization to the site and be in place prior to the start of any Boardwalk work.
 - B. The Contractor will be required to prepare a site specific erosion control plan along with a specific construction schedule for implementation. The Contractor will also be required to modify the plan or materials to adapt to seasonal variations.
 - C. The Contractor will be responsible for monitoring any activities for violation of water quality standards as they relate to turbidity (29 NTUs above background). Testing will take place to substantiate the intent of the project permits throughout the duration of the project. If the water quality standard is violated, sediment and erosion control measures will be reevaluated and re-installed as directed by the Engineer.
 - Phase II - Removal of Environmental Control Features
 - A. Temporary Environmental Controls will be removed after all boardwalk related work is completed.
- C. Other Controls
 - A. Waste Disposal: The Contractor will provide litter control and collection within the project boundaries during construction activities. All fertilizer, hydrocarbon, or other chemical containers shall be disposed of by the Contractor according to EPA's standard.
 - B. Sanitary Waste: Any field offices will have portable toilet facilities or the Contractor will obtain permits for sewage treatment in accordance with 10D-6 F.A.C. "Standards for On-site Sewage Disposal Systems".
- D. Sequence of Construction

The sequence of construction shown above is a general overview and is not intended to convey the general concepts of the erosion control design and should not be relied upon for construction purposes. The Contractor is solely responsible for detailed phasing and construction sequencing necessary to construct the proposed improvements included in these plans. The Contractor shall notify Engineer in writing immediately, prior to and/or during construction if any additional information on the construction sequence is necessary. Contractor is solely responsible for complying with the requirements of the Authority Having Jurisdiction and all other applicable laws.

E. Permits

The following permits have been obtain for the project:
US Army Corps of Engineers Nationwide 3 Permit (SAJ-2002-00085)

The Contractor is responsible for obtaining the following permits:
FDEP - NPDES permit (if needed)
SFWMD - Temporary Dewatering Permit (if needed)

Additional permit fees are to be included in the cost of Mobilization.

3. Maintenance

The Contractor shall be responsible for daily inspection and maintenance of all erosion control devices throughout the construction phase of the project. Maintenance shall be conducted in accordance with "FDOT Standard Specifications for Road and Bridge Construction" Section 104 or as directed by the Engineer.

The Contractor will be responsible for maintenance and repairs of erosion and sediment control devices, and removal of erosion and sediment control devices until acceptance of the completed project by City.

Maintenance and repair required for the control and abatement of erosion and water pollution shall be included in the cost of pay item 104-2A.

3. Maintenance (continued)

The following practices will be used to maintain erosion and sediment controls:

General:

All measures will be maintained in good working order. If a repair is necessary, it will be initiated within 24 hours of report.

Floating turbidity barrier will be maintained with respect to depth of sediment and ensure that the fabric is attached securely to the floats and anchored properly at the bottom for proper sediment control.

4. Inspection

All erosion and water pollution abatement and control measures will be inspected daily by the contractor.

Inspections are to be performed by qualified personnel who have completed the Florida Storm Water, Erosion and Sediment Control Training and Certification Program for inspectors and Contractors who have passed the examination.

Inspection Areas: Locations or areas to be inspected include but are not limited to:

- Materials storage/stockpiles
- Floating turbidity barriers

The Contractor shall use the Construction Inspection Report form 650-040-03 for daily inspections.

The Contractor's Daily Inspections required for the control and abatement of erosion and water pollution shall be included in the cost of Pay Item 104-2A.

Tracking and Reporting

The Contractor is responsible for completing the Inspection Report form 650-040-03 every 7 days and after any 0.50 inch (or more) rainfall event. A copy of the inspection report shall be submitted to the Engineer weekly.

The City shall maintain all records submitted by the Contractor.

Preparation of the Contractor's Weekly reports of inspections, Maintenance and Repairs required for the control and abatement of erosion and water pollution shall be included in the cost of Pay Item 104-2A.

5. Non-Storm Water Discharge and Hazardous Waste

The contractor will provide City of Port St. Lucie with an erosion control plan that incorporates the construction schedule and will include spill reporting and response.

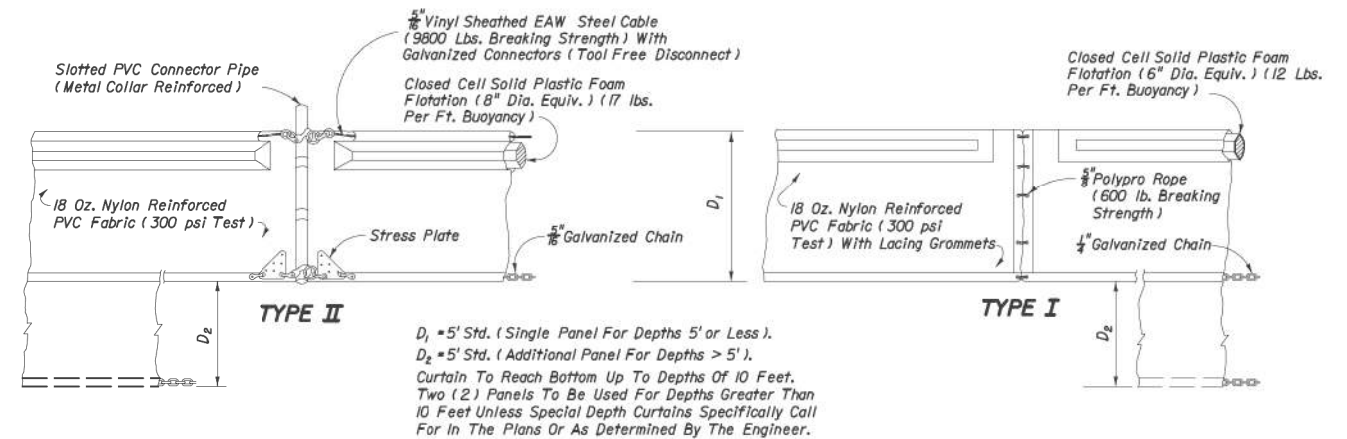
When the Contractor encounters a spill, Contractor will stopwork and work will not resume until directed by the Engineer. Disposition of hazardous waste will be made in accordance with any requirements and regulations of any local, state or federal agency having jurisdiction.

6. References

The Construction Plans and Specifications for Riverwalk Boardwalk Rehabilitation project are hereby referenced and made part of this stormwater pollution prevention plan.

7. Quantities

See construction plans Summary of Quantities sheets for erosion control quantity tabulation.

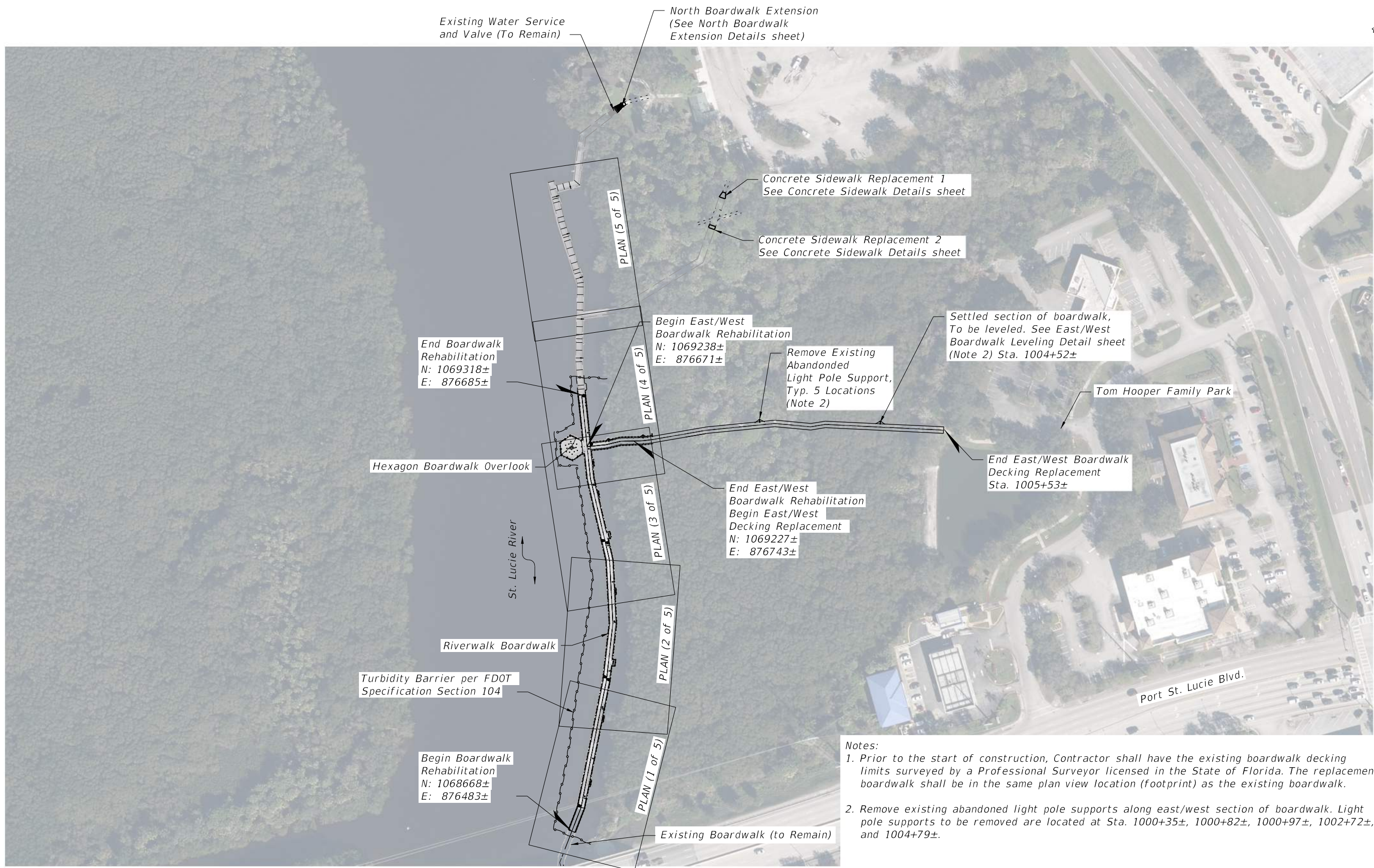


NOTICE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIERS

REVISIONS							CITY OF PORT ST. LUCIE PARKS AND RECREATION	EROSION CONTROL GENERAL NOTES RIVERWALK BOARDWALK REHABILITATION	SHEET NO. S-5
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				
						JERRY MARCUS PICCOLO, P.E. P.E. LICENSE NUMBER 80484 1920 WEKIVA WAY, SUITE 200 WEST PALM BEACH, FL 33411 (561) 845-0665 REGISTRY NO. 35106	Jerry.Piccolo 8/12/2024 3:56:12 PM	K:\WPB_Structures\047793010_PSL Boardwalk\047793010\struct\Erosion Control\ Notes.DGN	

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- Notes:
1. Prior to the start of construction, Contractor shall have the existing boardwalk decking limits surveyed by a Professional Surveyor licensed in the State of Florida. The replacement boardwalk shall be in the same plan view location (footprint) as the existing boardwalk.
 2. Remove existing abandoned light pole supports along east/west section of boardwalk. Light pole supports to be removed are located at Sta. 1000+35±, 1000+82±, 1000+97±, 1002+72±, and 1004+79±.

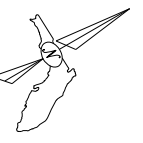
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Kimley»Horn
 JERRY MARCUS PICCOLO, P.E.
 P.E. LICENSE NUMBER 80484
 1920 WEKIVA WAY, SUITE 200
 WEST PALM BEACH, FL 33411
 (561) 845-0665
 REGISTRY NO. 35106

CITY OF PORT ST. LUCIE
 PARKS AND RECREATION

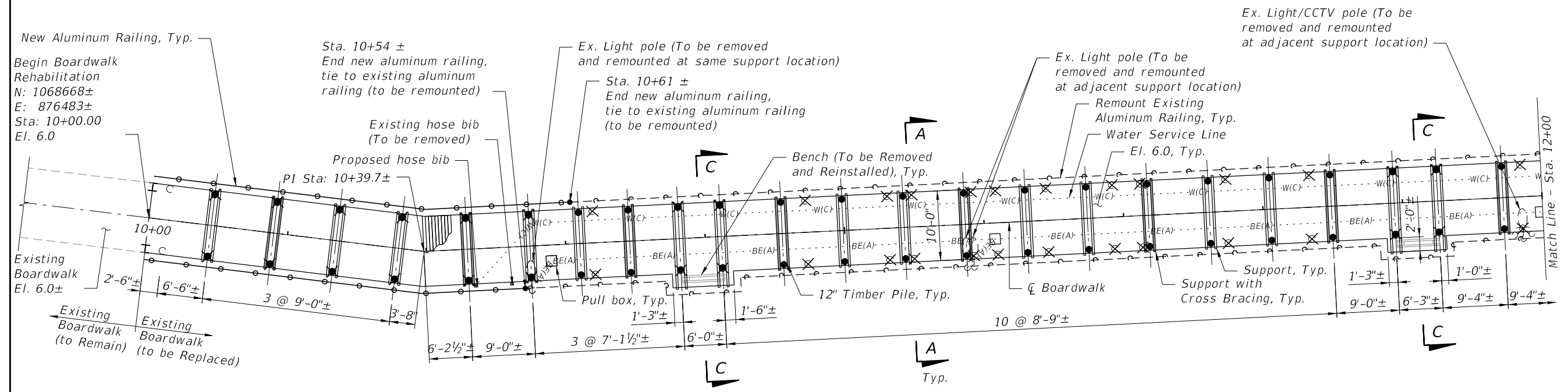
GENERAL SITE PLAN
 RIVERWALK BOARDWALK REHABILITATION

SHEET NO.
 S-6



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St Lucie River



PLAN

NOTES:

1. Prior to the start of construction, the Contractor shall survey the plan view limits of the existing boardwalk. The replacement boardwalk shall be installed within the plan view limits of the existing boardwalk and shall tie into existing boardwalk sections that are to remain.
2. Top of boardwalk elevation shall be El. 6.0.
3. At locations where boardwalk replacement ties into an existing boardwalk, adjust top of boardwalk elevation to meet existing elevation within adjoining span.
4. For Section A-A and C-C see "Boardwalk Sections (X of 3) sheets.
5. For light/CCTV pole and Hose Bib mounting details, see "Boardwalk Utility Details (X of 2)" sheets.

LEGEND:

- - Indicates Proposed Timber Piles
- ✕ - Indicates Proposed Timber Piles Installed at location of existing timber pile (to be removed)
- ✕ - Indicates Existing Timber Pile (to be Removed)
- ⊕ - Indicates Existing Light / CCTV Pole
- ⊕ - Indicated Existing Light Pole
- ⊕ - Indicates Existing Aluminum Railing (To be remounted)
- ▬ - Indicates Support Location
- ▬ - Indicates Support Location with Cross Bracing

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

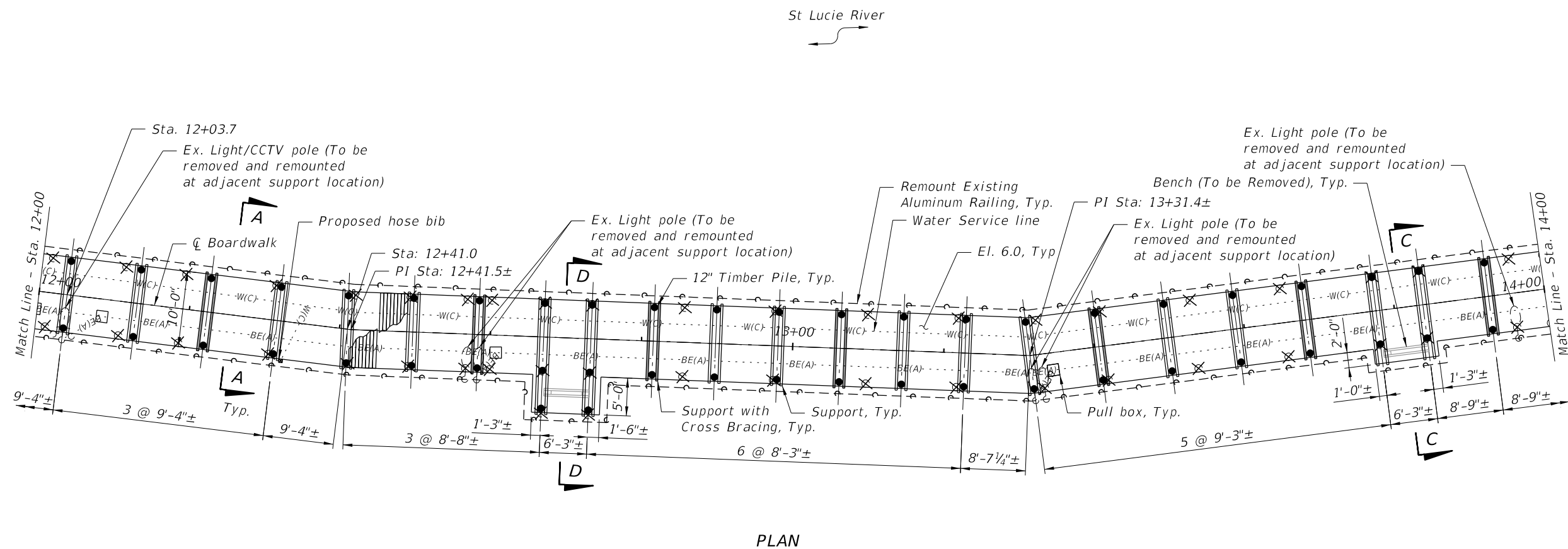
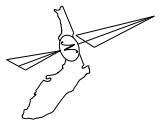
Kimley»Horn
 JERRY MARCUS PICCOLO, P.E.
 P.E. LICENSE NUMBER 80484
 1920 WEKIVA WAY, SUITE 200
 WEST PALM BEACH, FL 33411
 (561) 845-0665
 REGISTRY NO. 35106

CITY OF PORT ST. LUCIE
 PARKS AND RECREATION

BOARDWALK PLAN (1 OF 5)
 RIVERWALK BOARDWALK REHABILITATION

SHEET NO.
 S-7

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LEGEND:

- - Indicates Proposed Timber Piles
- ✕ - Indicates Proposed Timber Piles Installed at location of existing timber pile (to be removed)
- ⊗ - Indicates Existing Timber Pile (to be Removed)
- - Indicates Existing Timber Piles (To Remain)
- ⊕ - Indicates Existing Light / CCTV Pole
- ⊖ - Indicated Existing Light Pole
- ⊕ - ⊖ - Indicates Existing Aluminum Railing (To be remounted)
- ⊕ - ⊖ - Indicates new Aluminum Railing
- ▬ - Indicates Support Location
- ▬ - Indicates Support Location with Cross Bracing

NOTES:

1. Prior to the start of construction, the Contractor shall survey the plan view limits of the existing boardwalk. The replacement boardwalk shall be installed within the plan view limits of the existing boardwalk and shall tie into existing boardwalk sections that are to remain.
2. Top of boardwalk elevation shall be El. 6.0.
3. For Section A-A, C-C, and D-D see "Boardwalk Sections (X of 3)" sheets.
4. For light/CCTV pole and Hose Bib mounting details, see "Boardwalk Utility Details (X of 2)" sheets.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF PORT ST. LUCIE

PARKS AND RECREATION

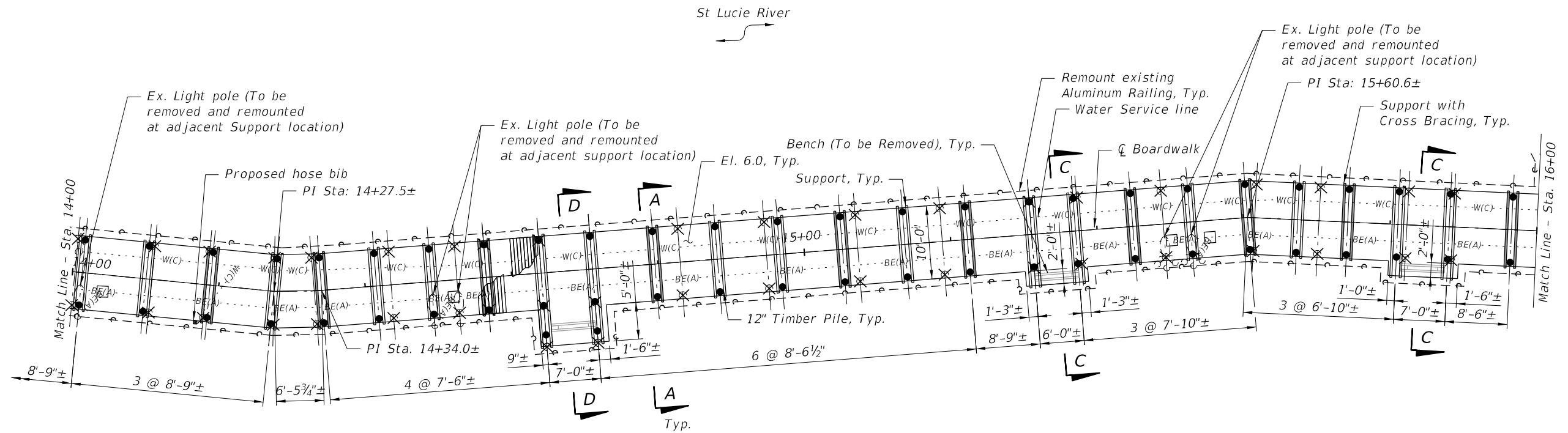
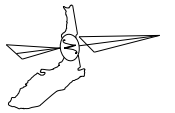
BOARDWALK PLAN (2 OF 5)

RIVERWALK BOARDWALK REHABILITATION

SHEET NO.

5-8

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PLAN

LEGEND:

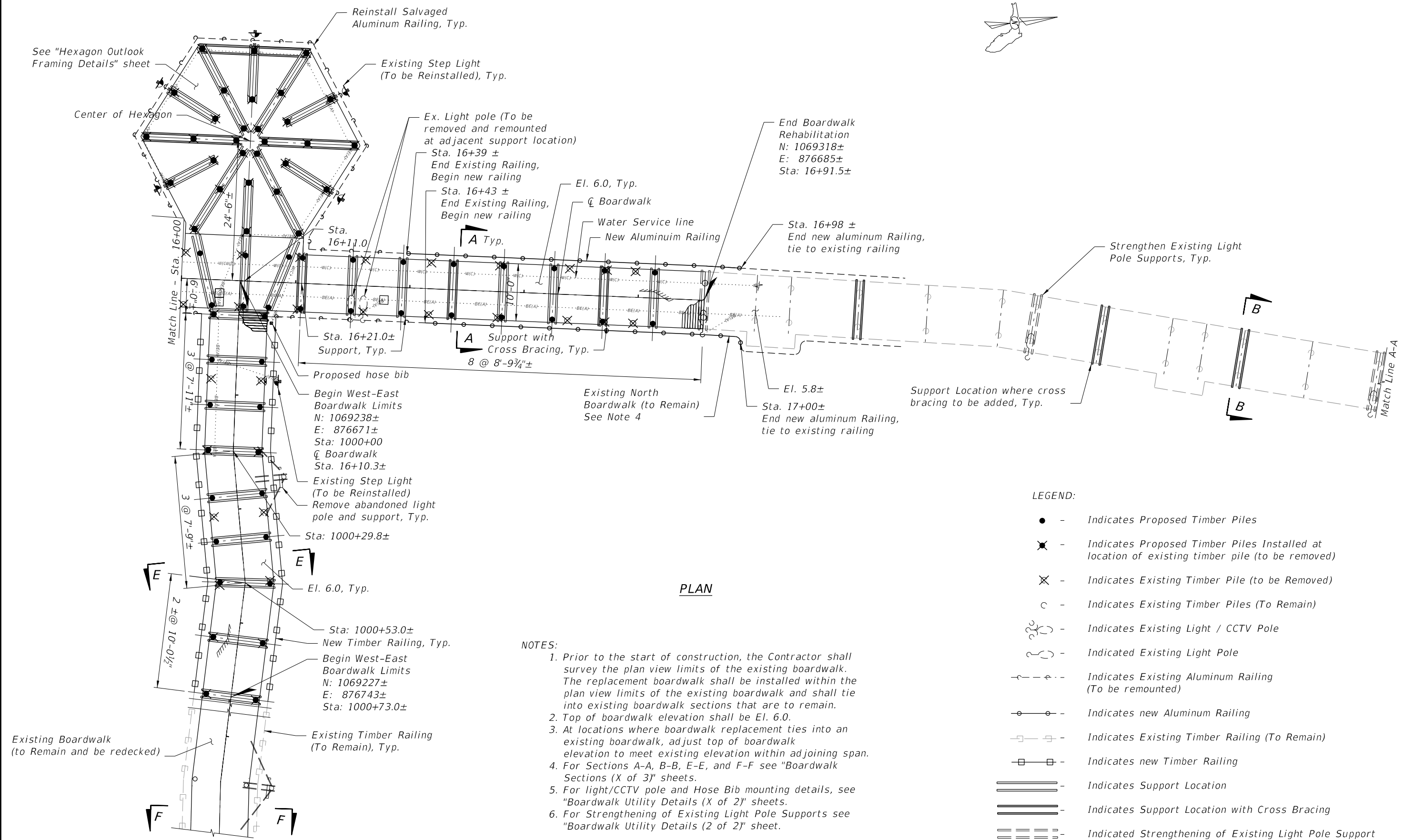
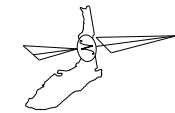
- - Indicates Proposed Timber Piles
- ⊗ - Indicates Proposed Timber Piles Installed at location of existing timber pile (to be removed)
- ⊗ - Indicates Existing Timber Pile (to be Removed)
- ⊕ - Indicates Existing Light / CCTV Pole
- ⊕ - Indicates Existing Light Pole
- - Indicates Existing Aluminum Railing (To be remounted)
- ==== - Indicates Support Location
- ==== - Indicates Support Location with Cross Bracing

NOTES:

1. Prior to the start of construction, the Contractor shall survey the plan view limits of the existing boardwalk. The replacement boardwalk shall be installed within the plan view limits of the existing boardwalk and shall tie into existing boardwalk sections that are to remain.
2. Top of boardwalk elevation shall be El. 6.0.
3. For Section A-A, C-C, and D-D see "Boardwalk Sections (X of 3)" sheets.
4. For light/CCTV pole and Hose Bib mounting details, see "Boardwalk Utility Details (X of 2)" sheets.

REVISIONS							CITY OF PORT ST. LUCIE PARKS AND RECREATION	BOARDWALK PLAN (3 OF 5) RIVERWALK BOARDWALK REHABILITATION	SHEET NO. S-9
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				
						JERRY MARCUS PICCOLO, P.E. P.E. LICENSE NUMBER 80484 1920 WEKIVA WAY, SUITE 200 WEST PALM BEACH, FL 33411 (561) 845-0665 REGISTRY NO. 35106	Jerry.Piccolo 8/12/2024 3:57:16 PM	K:\WPB_Structures\047793010_PSL Boardwalk\047793010\struct\B1ProposedPlan.dgn	

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- LEGEND:**
- - Indicates Proposed Timber Piles
 - ✖ - Indicates Proposed Timber Piles Installed at location of existing timber pile (to be removed)
 - ⊗ - Indicates Existing Timber Pile (to be Removed)
 - - Indicates Existing Timber Piles (To Remain)
 - ⊕ - Indicates Existing Light / CCTV Pole
 - ⊖ - Indicated Existing Light Pole
 - ⊕ - ⊖ - Indicates Existing Aluminum Railing (To be remounted)
 - - ○ - Indicates new Aluminum Railing
 - ⊕ - ⊖ - Indicates Existing Timber Railing (To Remain)
 - ⊕ - ⊖ - Indicates new Timber Railing
 - ≡ - Indicates Support Location
 - ≡ - ≡ - Indicates Support Location with Cross Bracing
 - ≡ - ≡ - ≡ - Indicated Strengthening of Existing Light Pole Support

- NOTES:**
- Prior to the start of construction, the Contractor shall survey the plan view limits of the existing boardwalk. The replacement boardwalk shall be installed within the plan view limits of the existing boardwalk and shall tie into existing boardwalk sections that are to remain.
 - Top of boardwalk elevation shall be El. 6.0.
 - At locations where boardwalk replacement ties into an existing boardwalk, adjust top of boardwalk elevation to meet existing elevation within adjoining span.
 - For Sections A-A, B-B, E-E, and F-F see "Boardwalk Sections (X of 3)" sheets.
 - For light/CCTV pole and Hose Bib mounting details, see "Boardwalk Utility Details (X of 2)" sheets.
 - For Strengthening of Existing Light Pole Supports see "Boardwalk Utility Details (2 of 2)" sheet.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 P.E. LICENSE NUMBER 80484
 1920 WEKIVA WAY, SUITE 200
 WEST PALM BEACH, FL 33411
 (561) 845-0665
 REGISTRY NO. 35106

CITY OF PORT ST. LUCIE

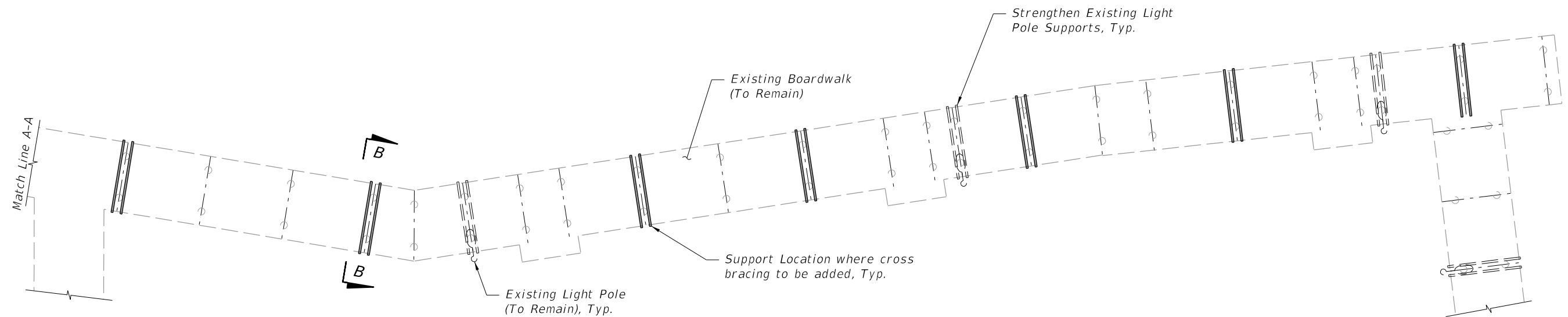
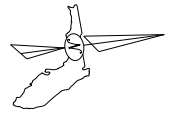
PARKS AND RECREATION

BOARDWALK PLAN (4 OF 5)

RIVERWALK BOARDWALK REHABILITATION

SHEET NO. S-10

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PLAN

LEGEND:

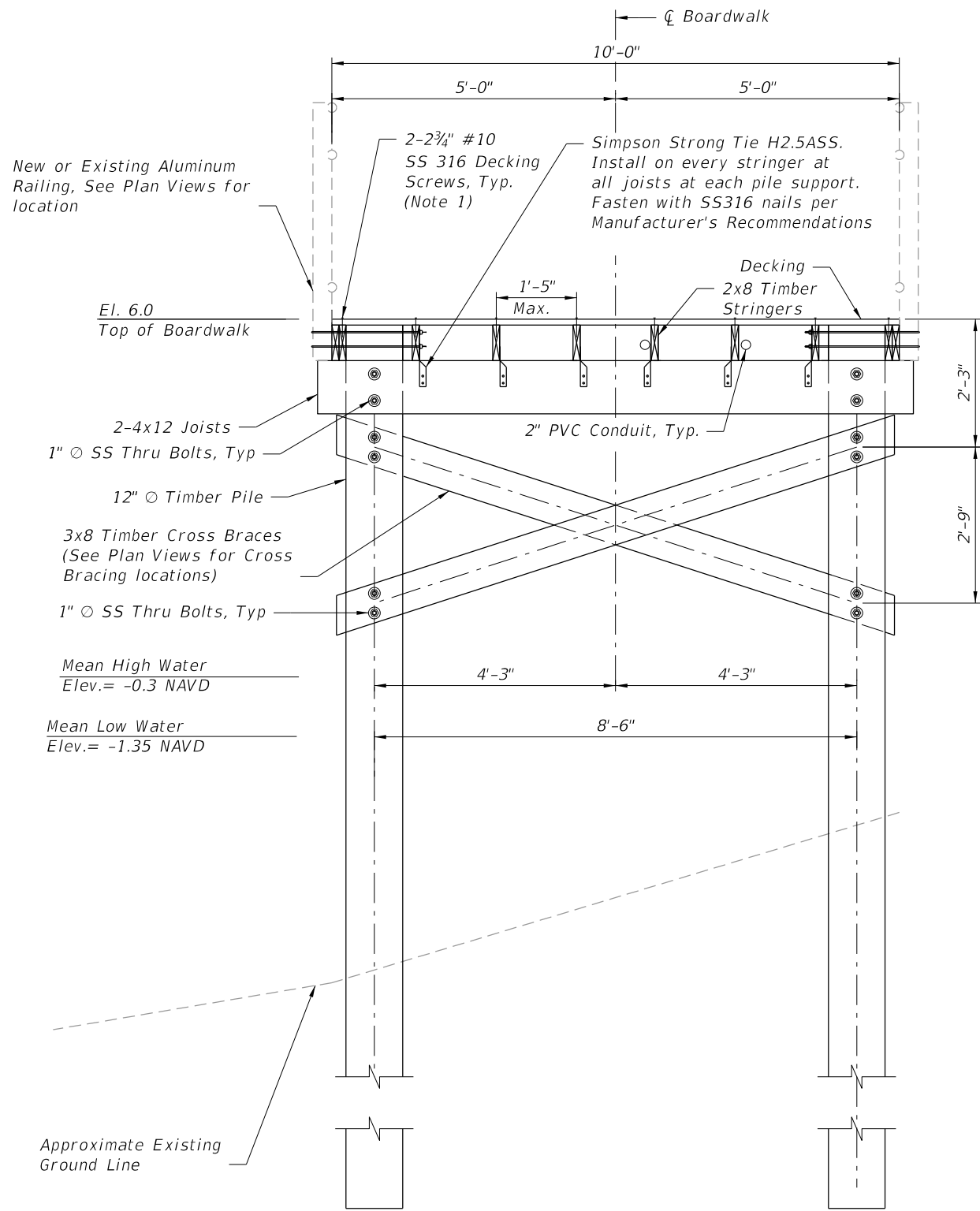
- ⊖ - Indicates Existing Timber Piles (To Remain)
- ⊖ - Indicates Existing Light Pole (To Remain)
- ==== - Indicates Existing Support Location to add Cross Bracing
- ≡≡≡≡ - Indicates Strengthening of Existing Light Pole Support

NOTES:

1. For Section B-B see "Boardwalk Sections (X of 3)" sheets.
2. For Strengthening of Existing Light Pole Supports see "Boardwalk Utility Details (2 of 2).

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		PARKS AND RECREATION	RIVERWALK BOARDWALK REHABILITATION	S-11

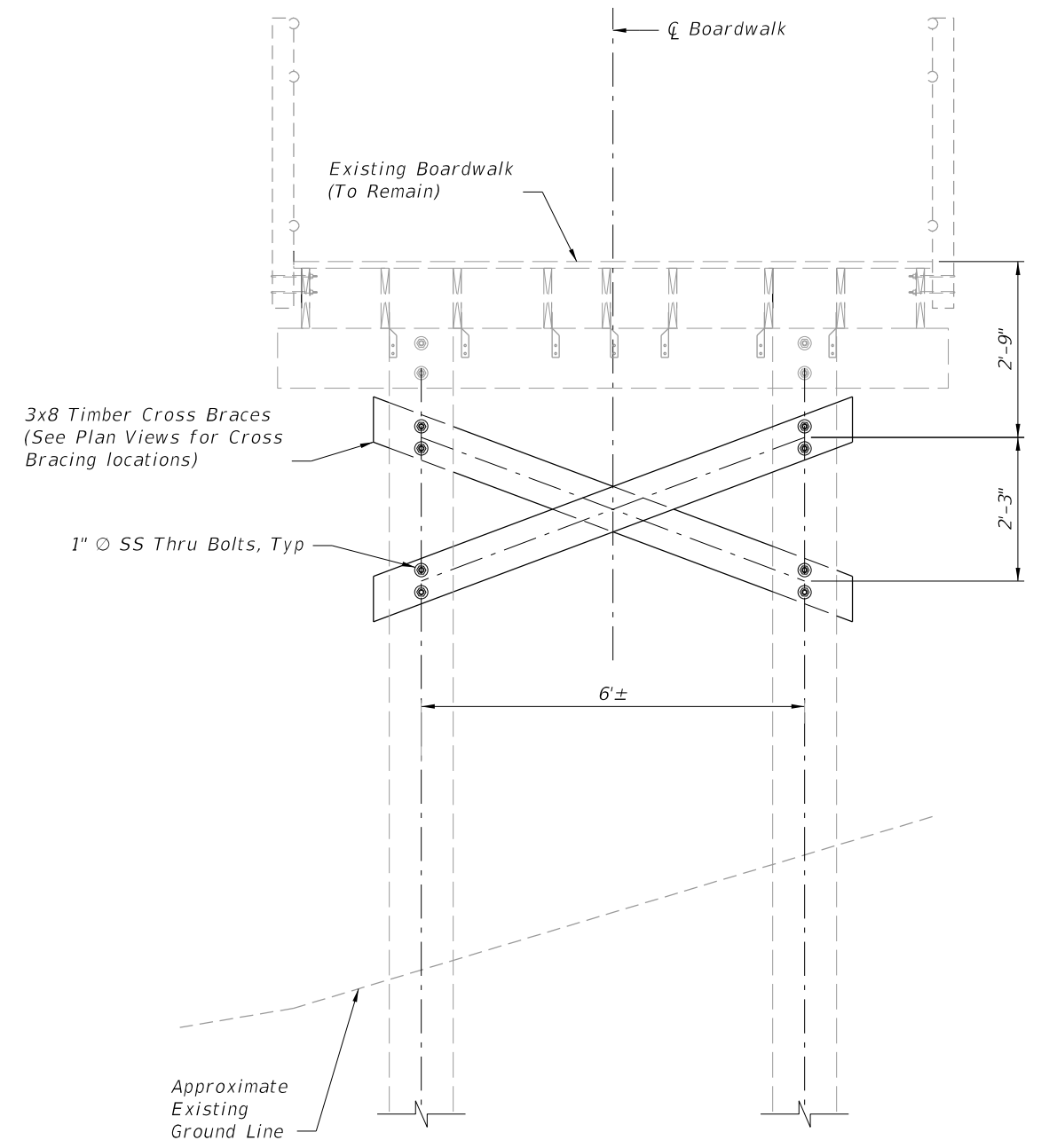
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SECTION A-A - TYPICAL SECTION
(From Sta. 10+00 to Sta. 16+91)

Notes:

- All decking boards shall be screwed into all supporting stringers with two screws per stringer. (Total 16 screws per decking board).



SECTION B-B - NORTH BOARDWALK CROSS BRACING
(From Sta. 16+91 to North End)

REVISIONS					
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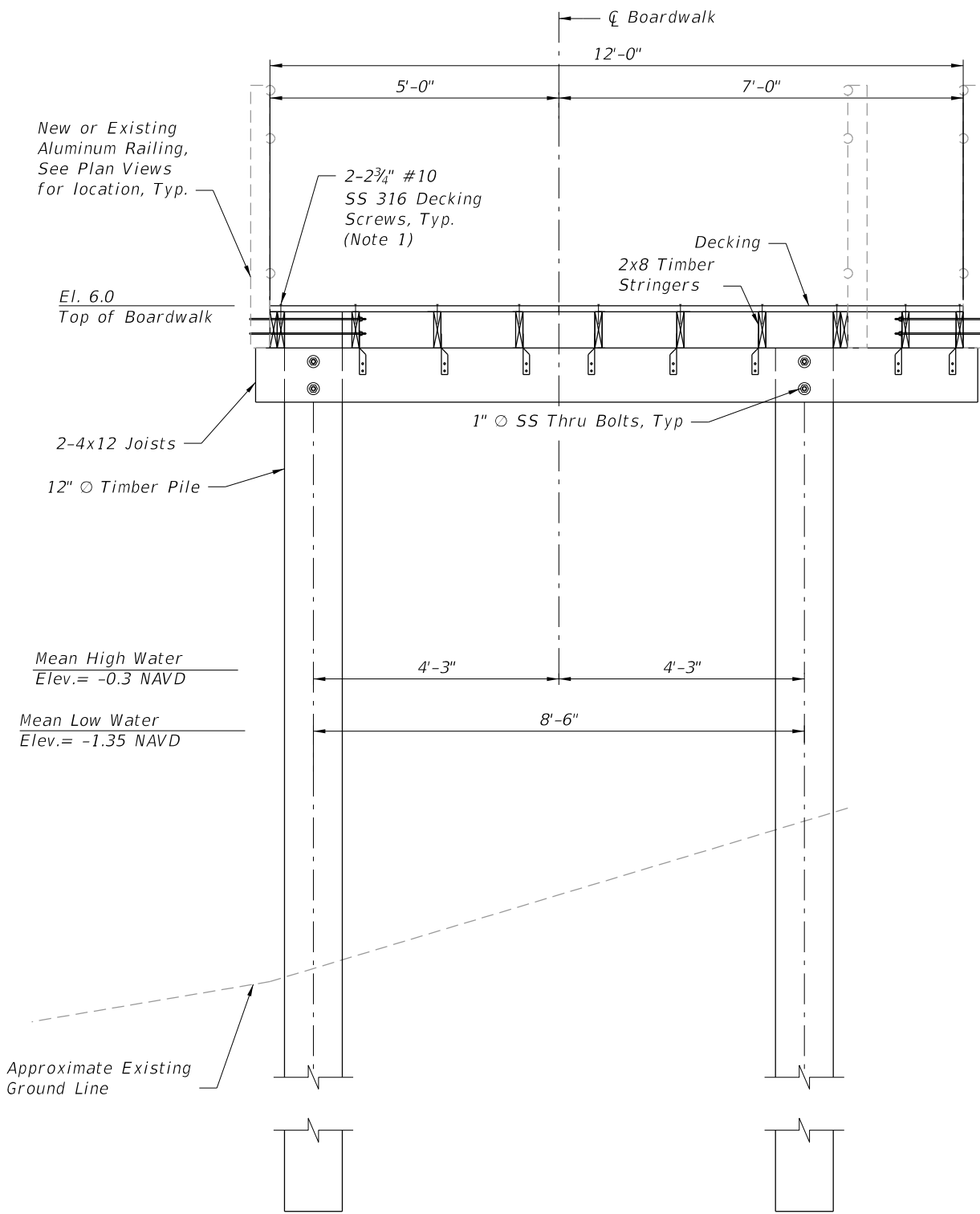
JERRY MARCUS PICCOLO, P.E.
P.E. LICENSE NUMBER 80484
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411
(561) 845-0665
REGISTRY NO. 35106

CITY OF PORT ST. LUCIE
PARKS AND RECREATION

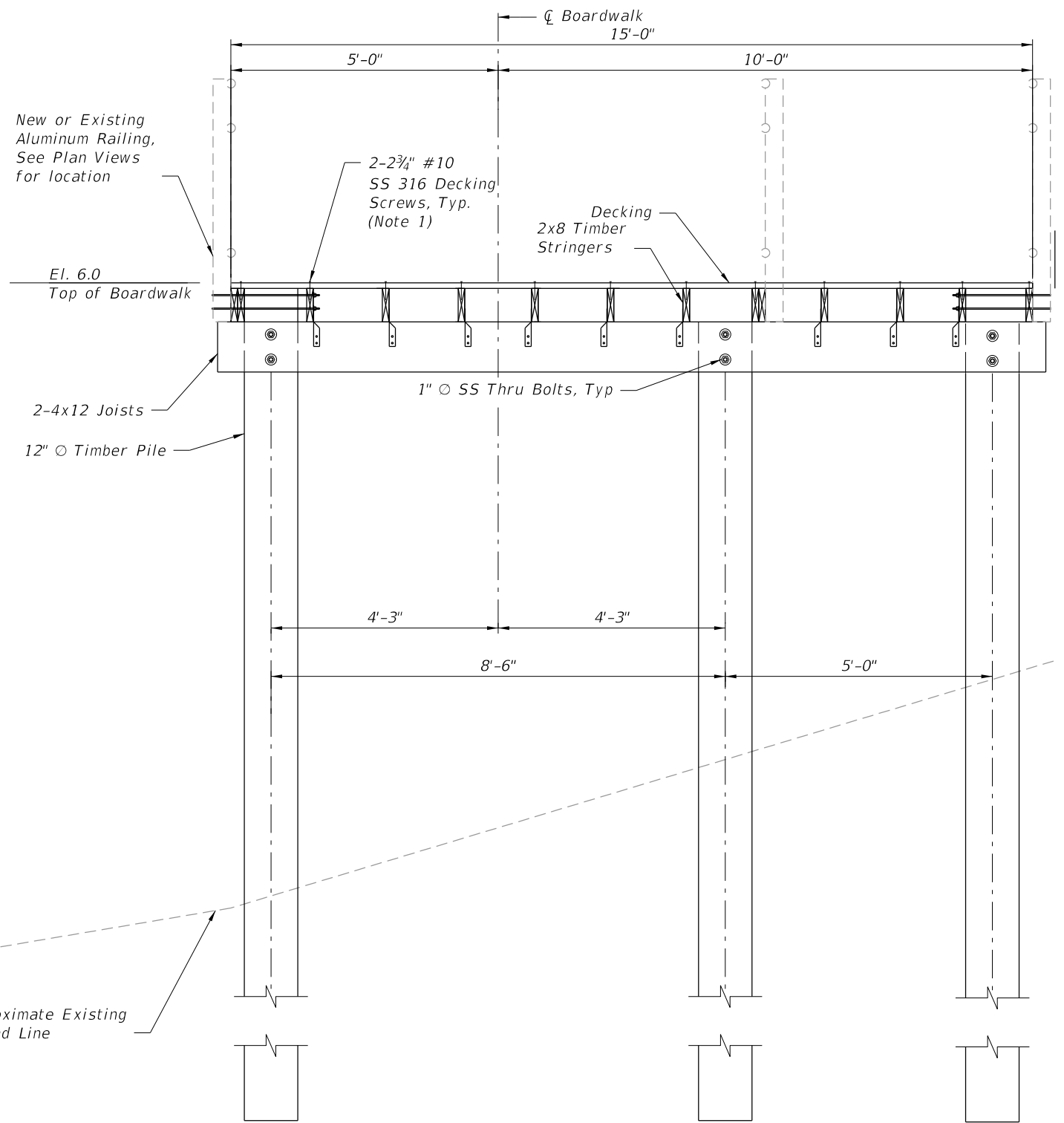
BOARDWALK SECTIONS (1 OF 3)
RIVERWALK BOARDWALK REHABILITATION

SHEET NO.
S-12

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SECTION C-C AT 12' WIDE BENCH SECTIONS



SECTION D-D AT 15' WIDE BENCH SECTIONS

- Notes:
 1. All decking boards shall be screwed into all supporting stringers with two screws per stringer.

REVISIONS					
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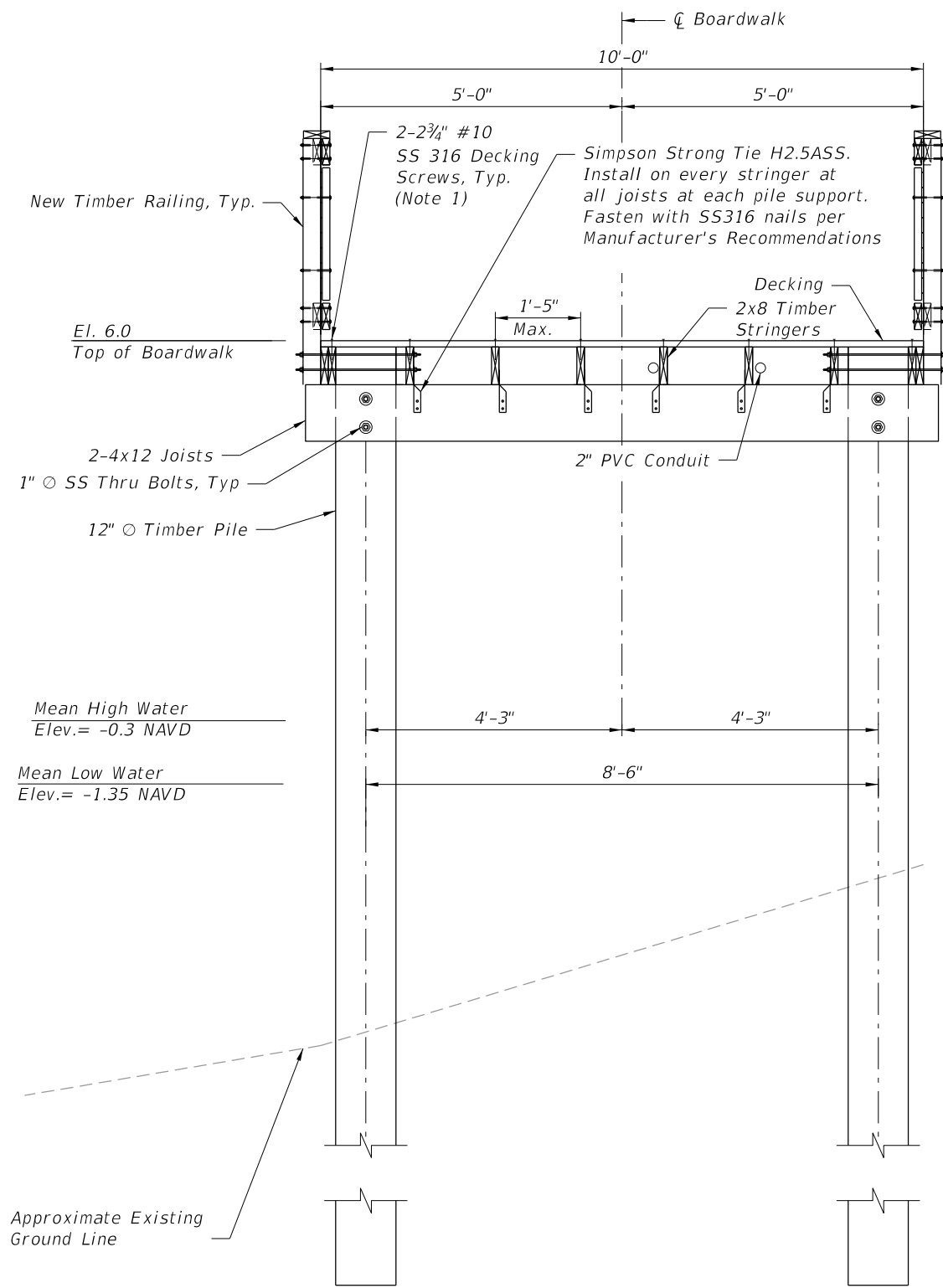
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CITY OF PORT ST. LUCIE
PARKS AND RECREATION

BOARDWALK SECTIONS (2 OF 3)
RIVERWALK BOARDWALK REHABILITATION

SHEET NO.
 S-13

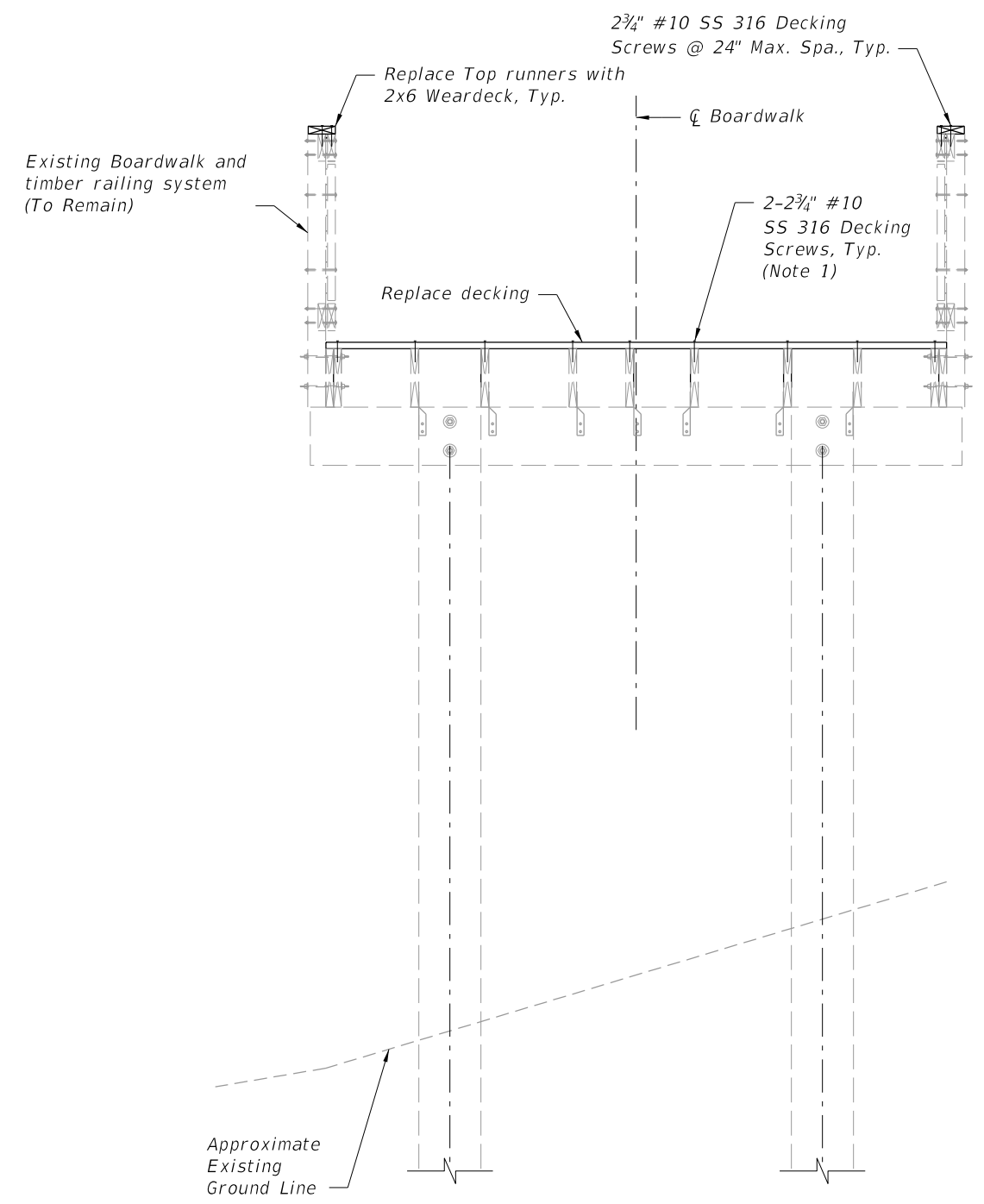
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SECTION E-E - E/W BOARDWALK REPLACEMENT SECTION
(From Sta. 1000+00 to Sta. 1000+73±)

Notes:

- All decking boards shall be screwed into all supporting stringers with two screws per stringer. (Total 16 screws per decking board).



SECTION F-F - E/W BOARDWALK REDECKING SECTION
(From Sta. 1000+73± to 1005+53±)

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CITY OF PORT ST. LUCIE

PARKS AND RECREATION

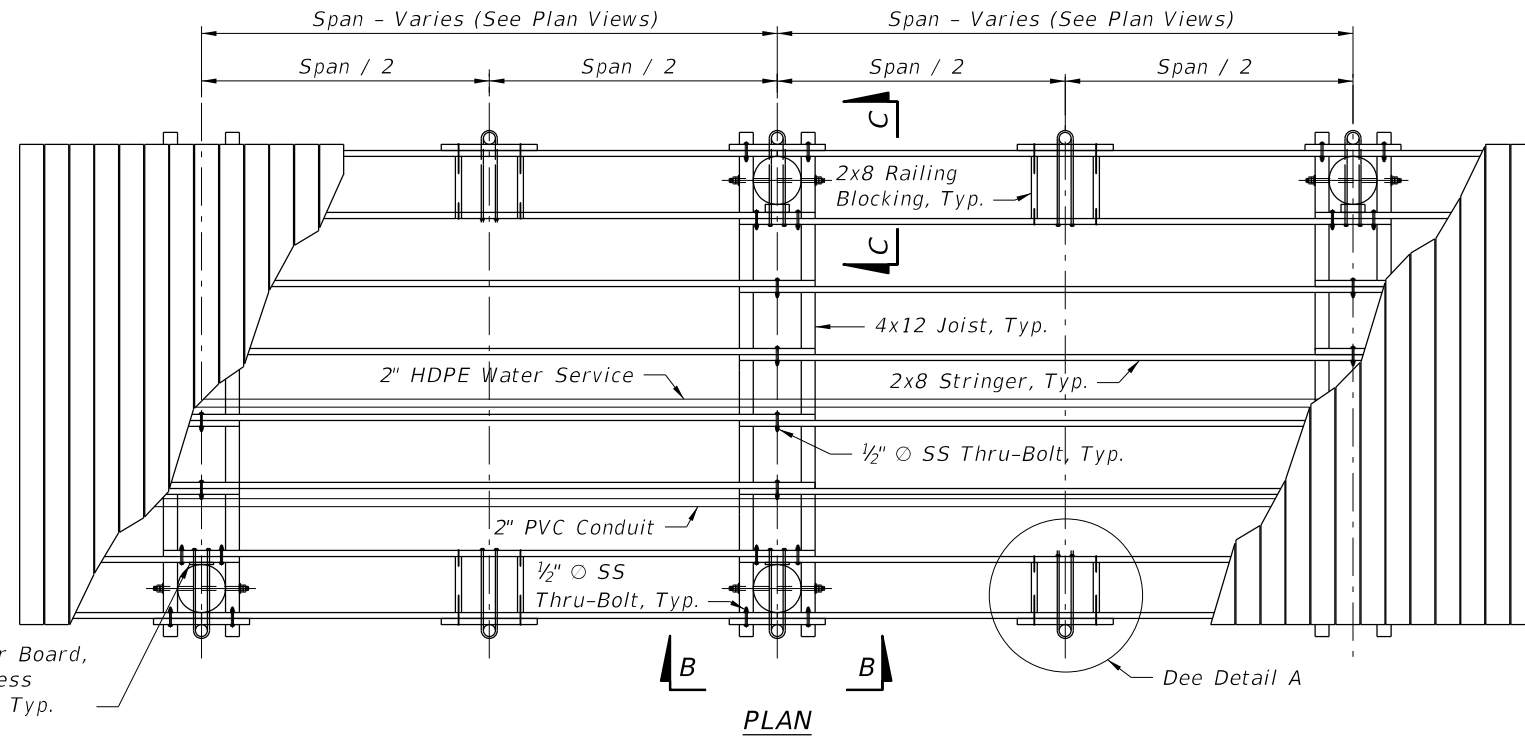
BOARDWALK SECTIONS (3 OF 3)

RIVERWALK BOARDWALK REHABILITATION

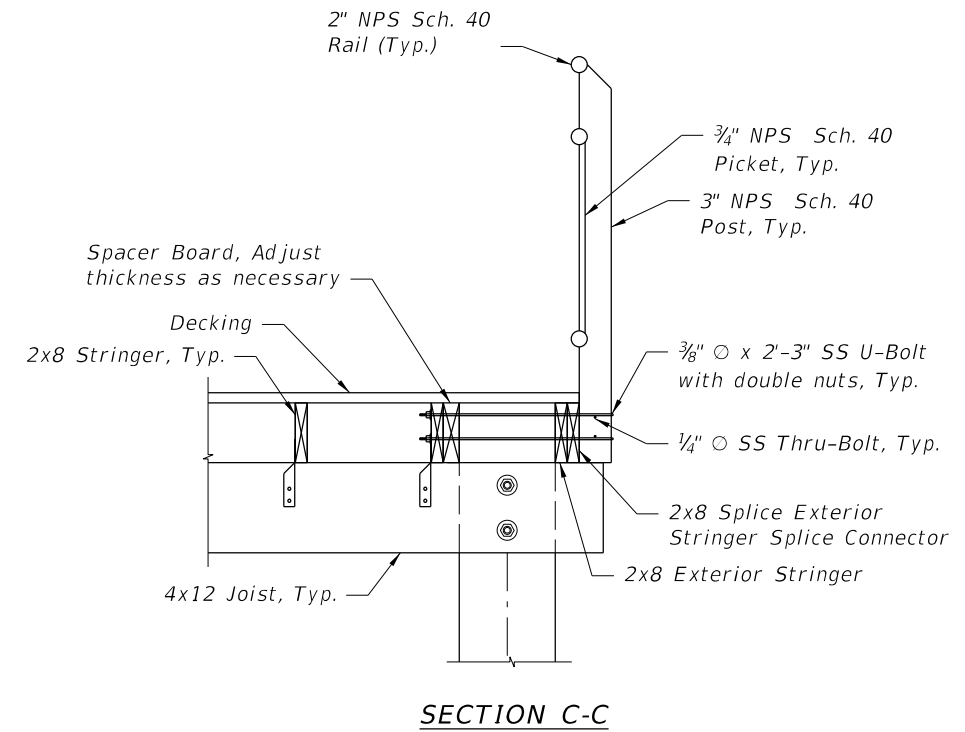
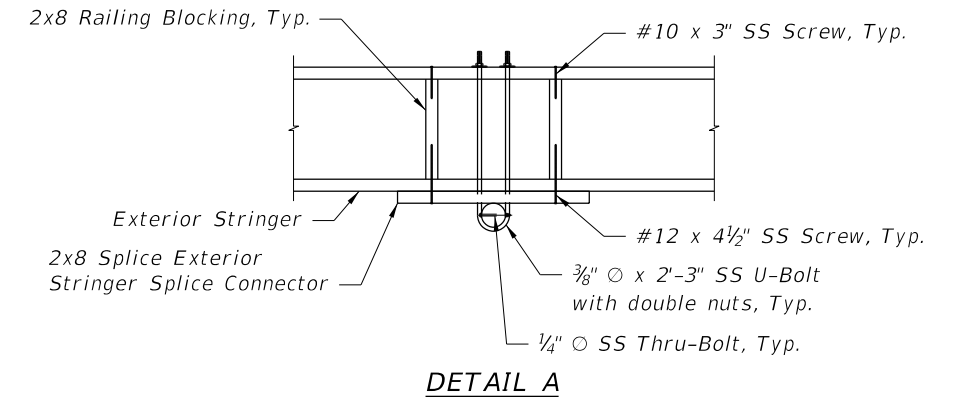
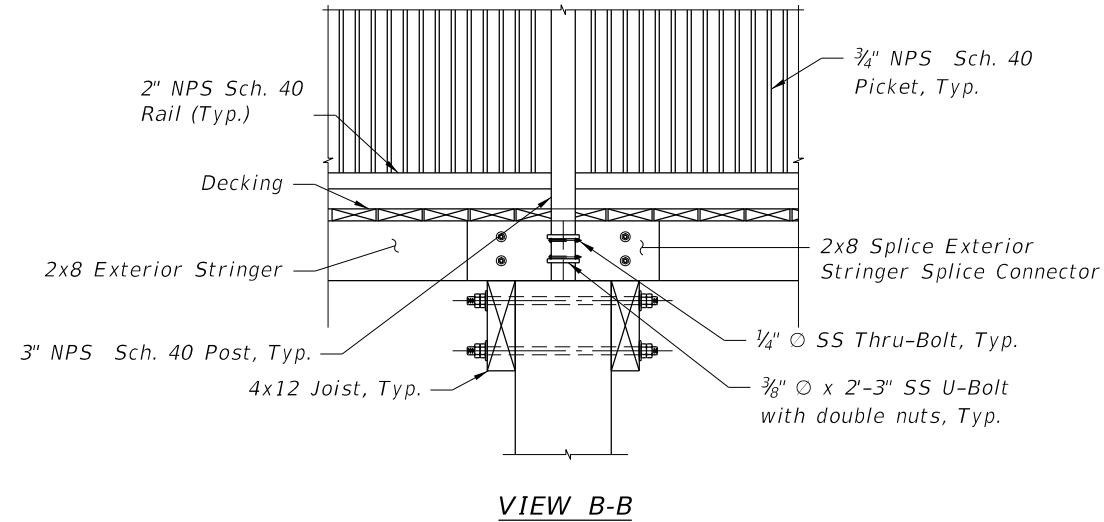
SHEET NO.

S-14

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(New Aluminum Railing Mounting Shown, Horizontal railing elements not shown for clarity)



Notes:

1. For locations of new Aluminum Railing System, see plan views.
2. Prior to fabrication Contractor shall submit shop drawings showings of the new sections Aluminum railing system that tie to the nearest joint of the existing aluminum railing system.
3. Install the 3/8" U-Bolts so that the U-Bolt bears on the 1/4" keeper bolts. Both the U-Bolts and the 1/4" keeper bolts shall have a jam nut to ensure nut does not work free.
4. For Additional Aluminum Pedestrian/Bicycle Picket railing details, see FDOT 2010 Interim Design Standard Index No. 860.
5. For mounting details for the existing aluminum railing system (to be salvaged) see "Existing Aluminum Railing Details" sheet as mounting locations will vary to maintain existing aluminum railing post locations.

REVISIONS					
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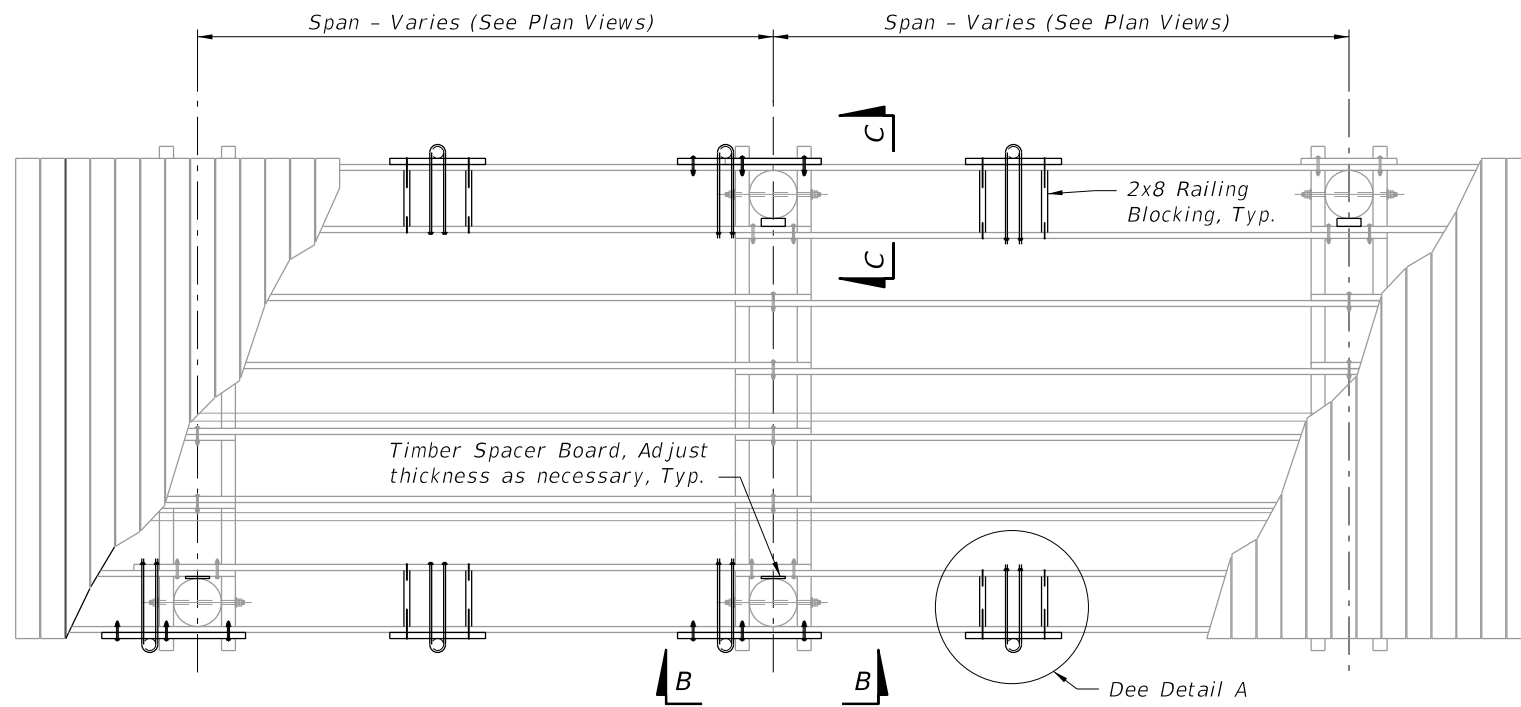
JERRY MARCUS PICCOLO, P.E.
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CITY OF PORT ST. LUCIE
PARKS AND RECREATION

BOARDWALK FRAMING AND NEW ALUMINUM RAILING DETAILS
RIVERWALK BOARDWALK REHABILITATION

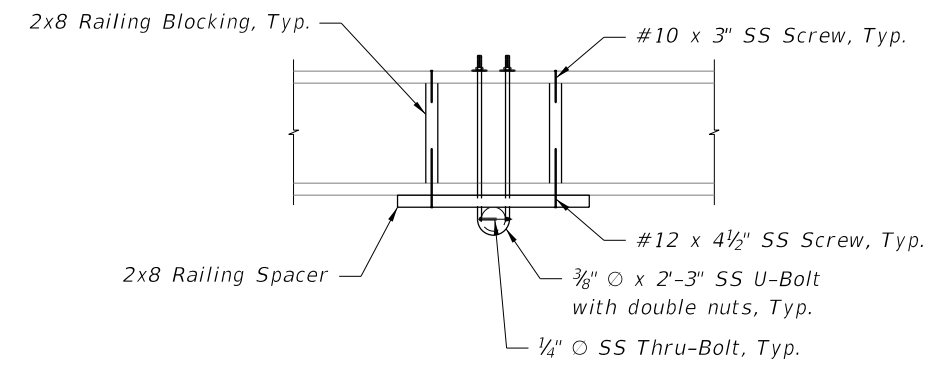
SHEET NO.
S-15

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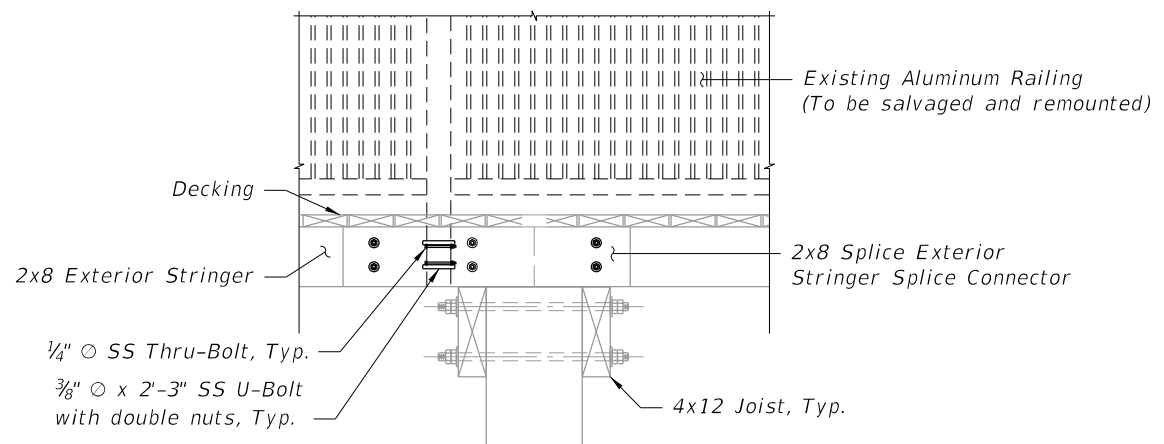


PLAN

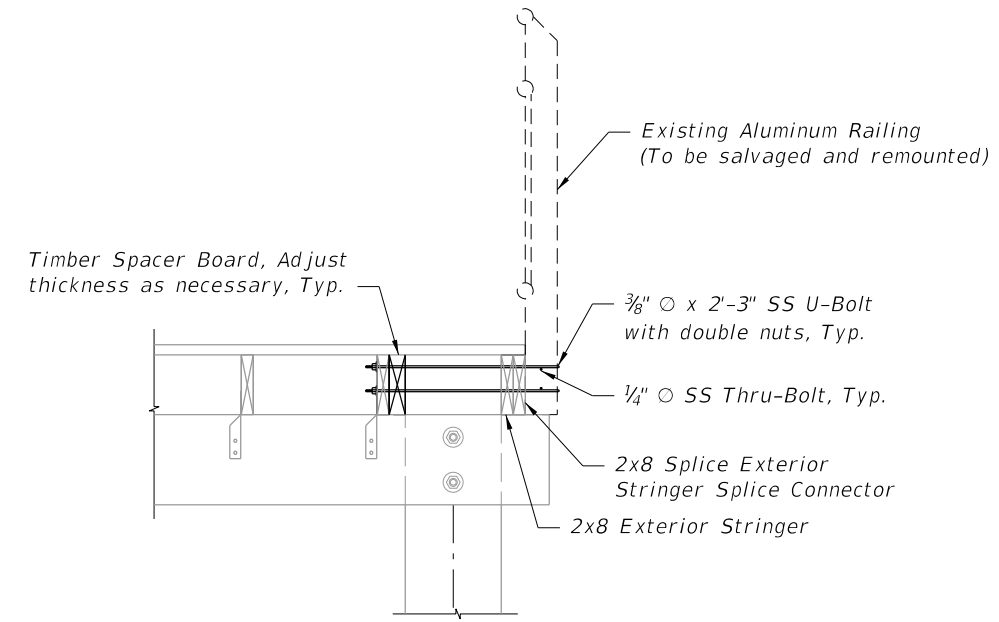
(New Aluminum Railing Mounting Shown, Horizontal railing elements not shown for clarity)



DETAIL A



VIEW B-B



SECTION C-C

Notes:

1. For locations of existing Aluminum Railing System, to be salvaged and remounted, see plan views.
2. Install the 3/8" U-Bolts so that the U-Bolt bears on the 1/4" keeper bolts. Both the U-Bolts and the 1/4" keeper bolts shall have a jam nut to ensure nut does not work free.
3. The mounting locations of the existing aluminum railing system posts will vary in location with respect to the timber pile locations.
4. For Additional Aluminum Pedestrian/Bicycle Picket railing details, see FDOT 2010 Interim Design Standard Index No. 860.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF PORT ST. LUCIE

PARKS AND RECREATION

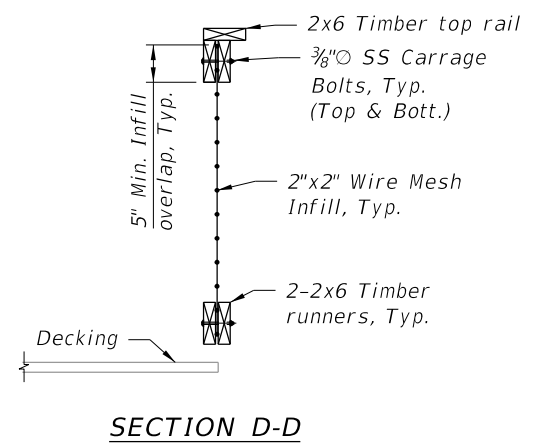
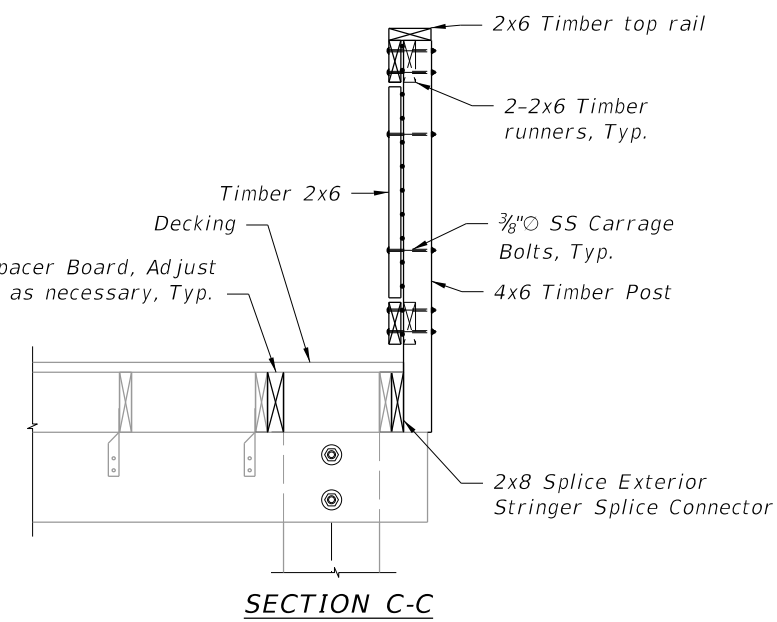
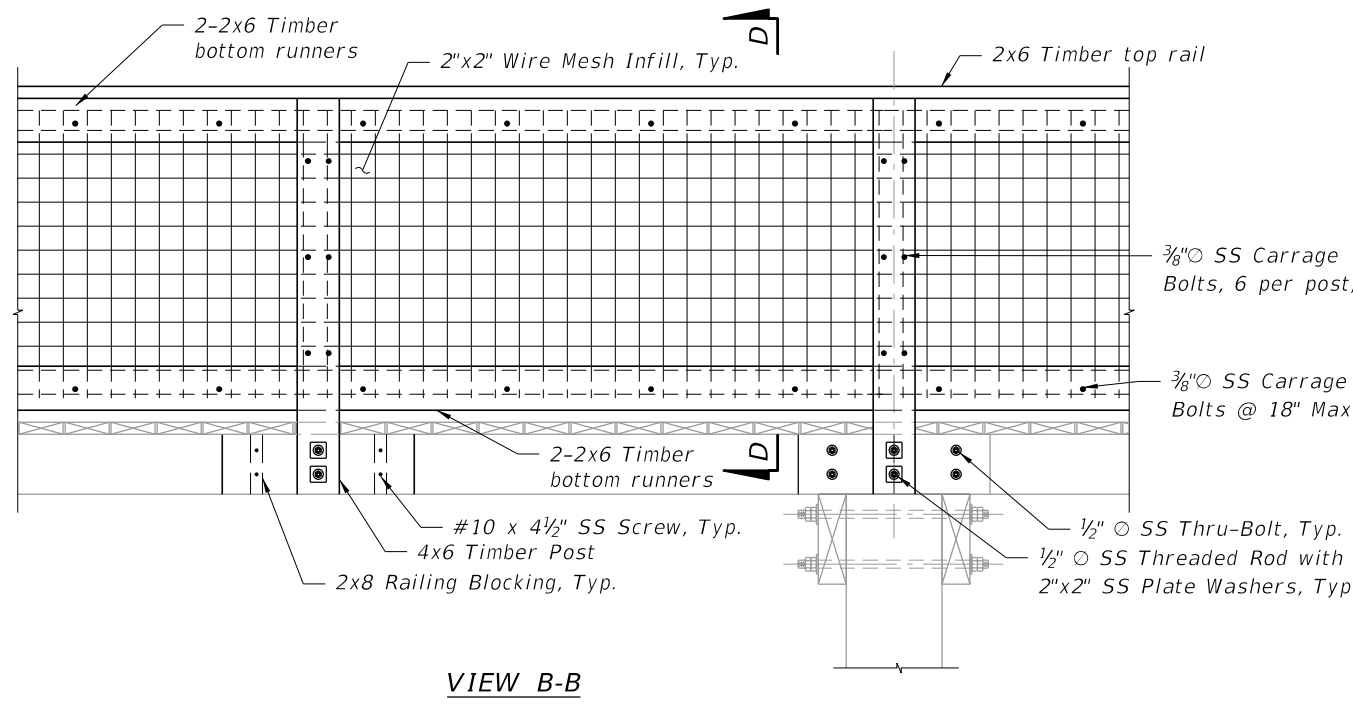
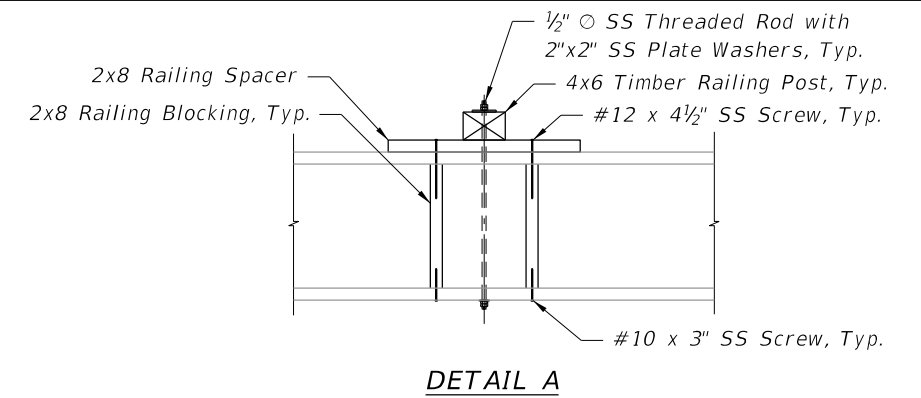
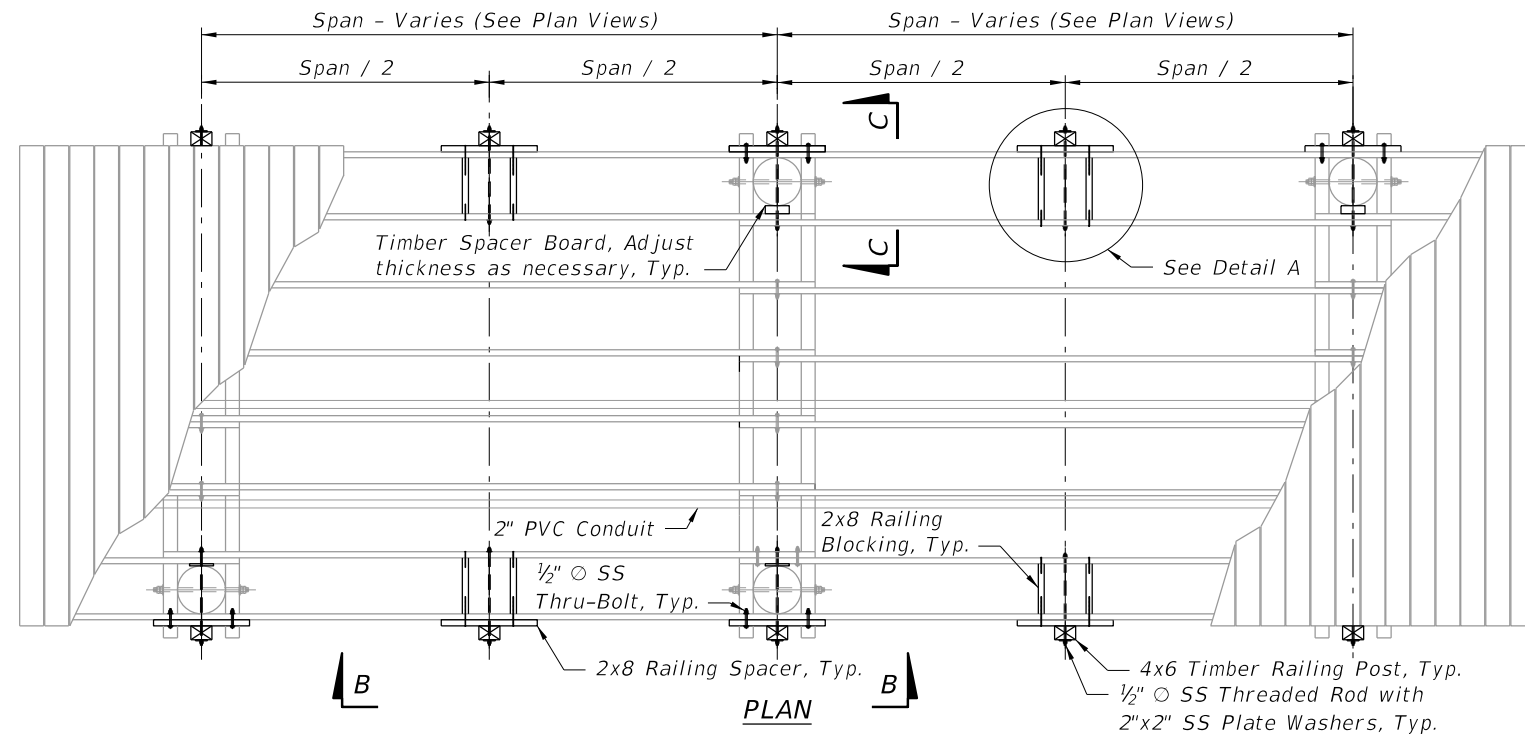
EXISTING ALUMINUM RAILING DETAILS

RIVERWALK BOARDWALK REHABILITATION

SHEET NO.

S-16

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- Wire Mesh Infill Notes:**
1. Wire mesh infill shall be woven and welded steel mesh with minimum 6 gauge wire.
 2. Wire mesh infill shall be hot dip galvanized or SS 304. Where wire mesh is cut or trimmed, the exposed steel shall be treated with zinc rich paint. Wire mesh shall be black in color and match the existing mesh.
 3. All bolts shall be carriage bolts or recessed flush with front face of railing.

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CITY OF PORT ST. LUCIE

TIMBER RAILING DETAILS

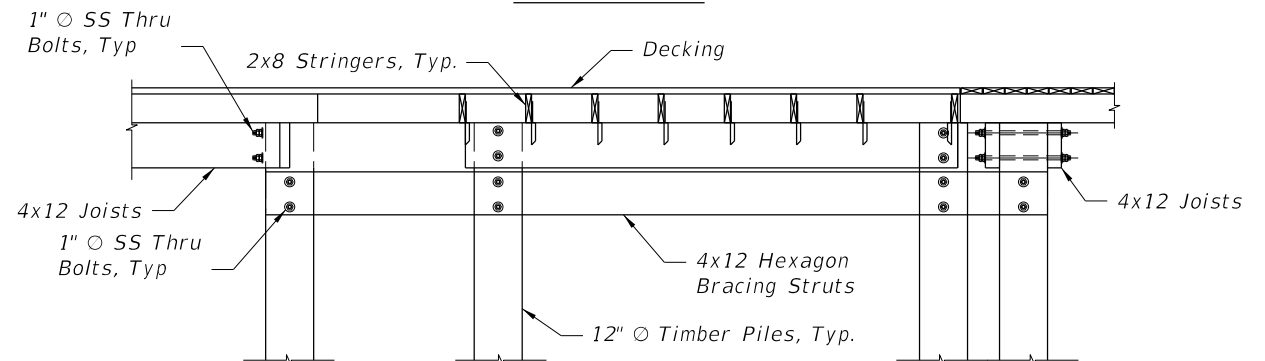
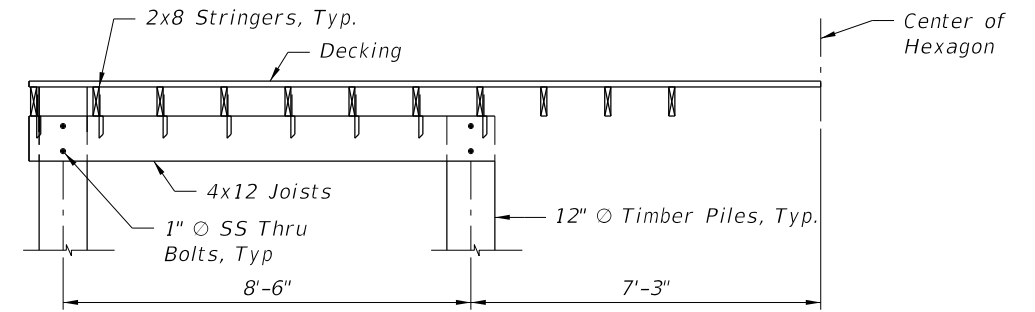
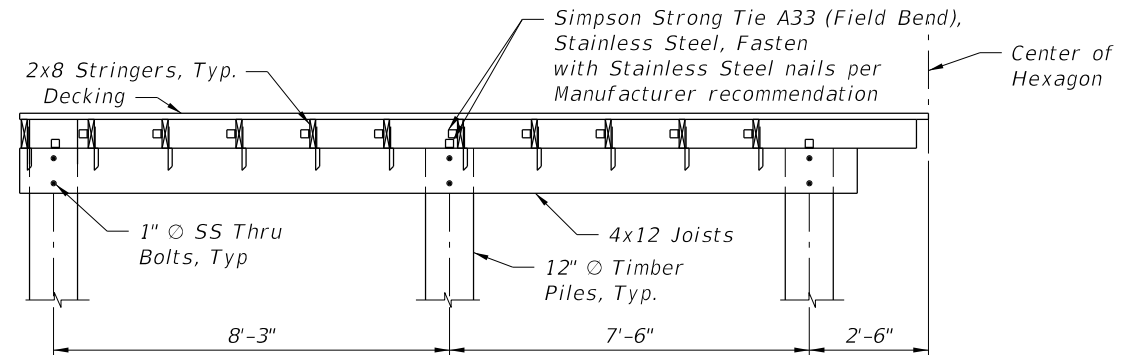
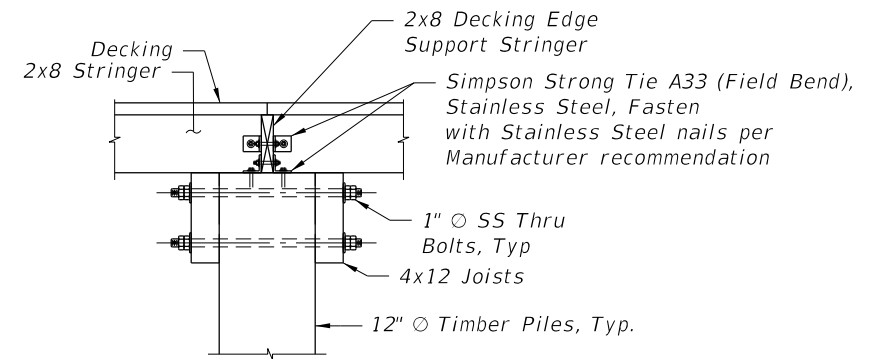
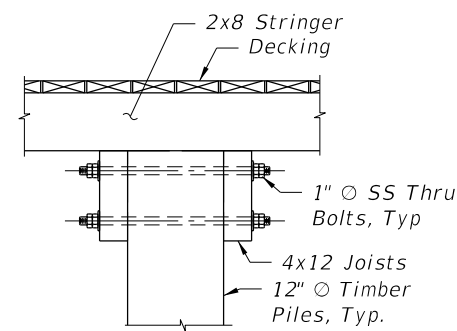
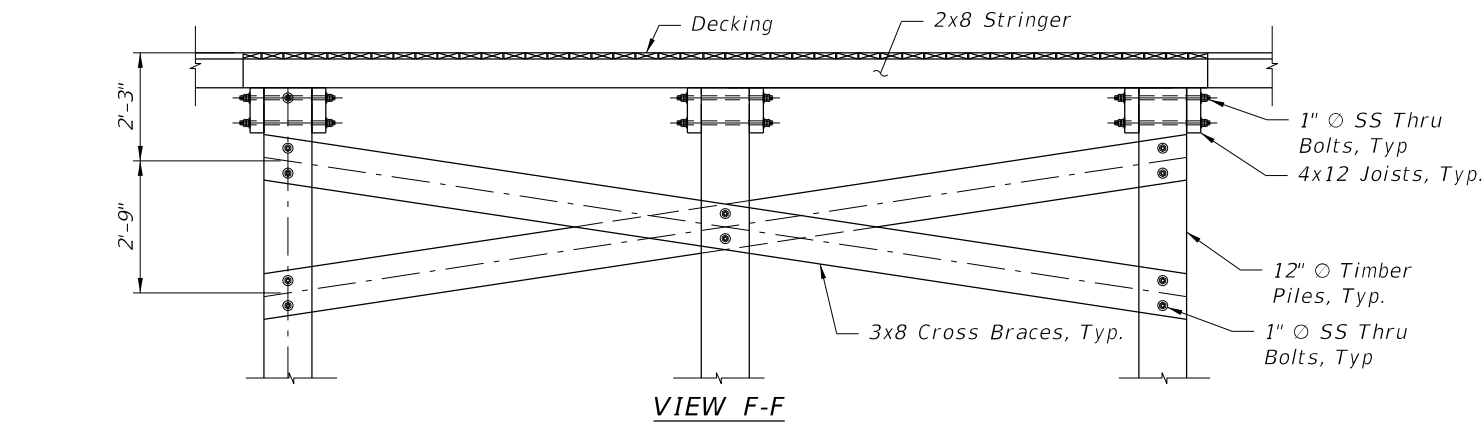
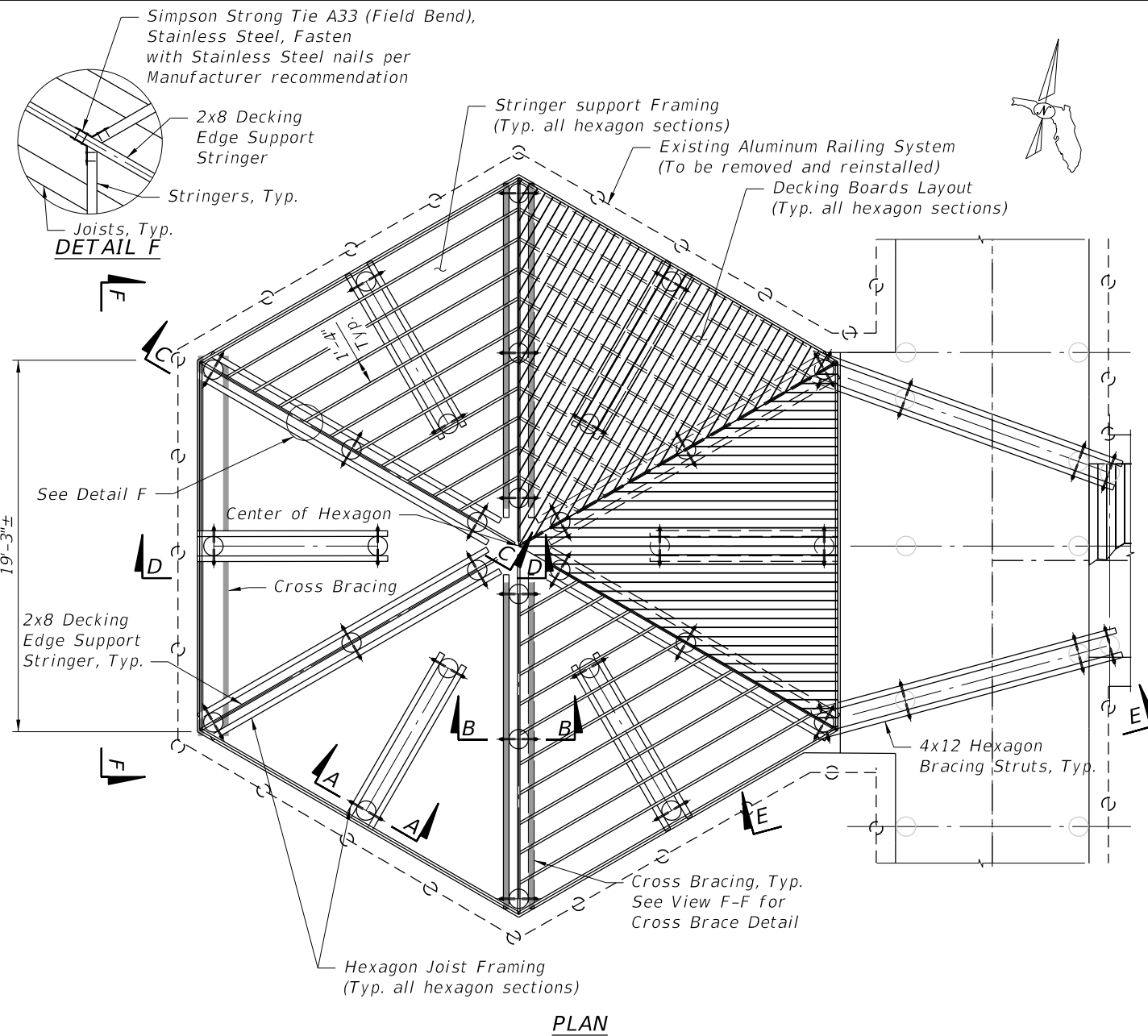
SHEET NO.

PARKS AND RECREATION

RIVERWALK BOARDWALK REHABILITATION

S-17

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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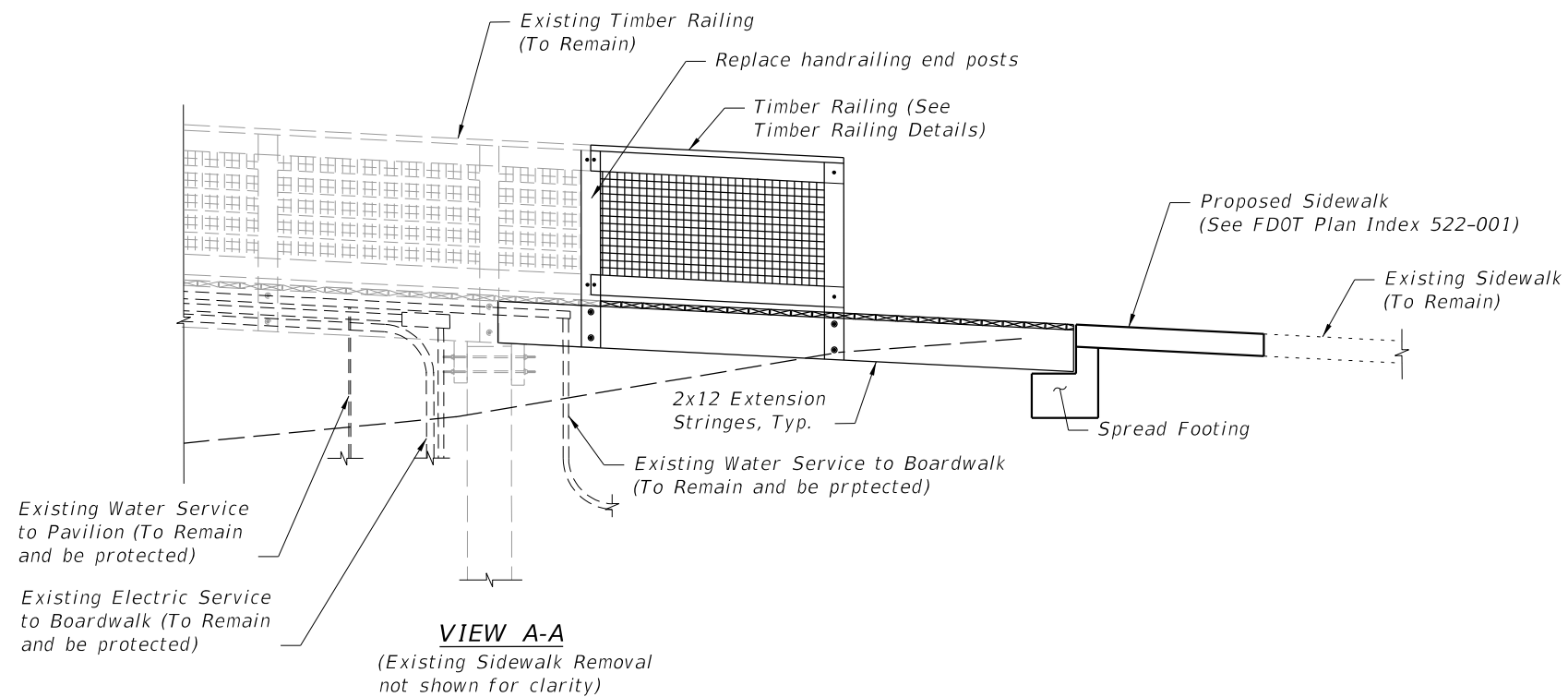
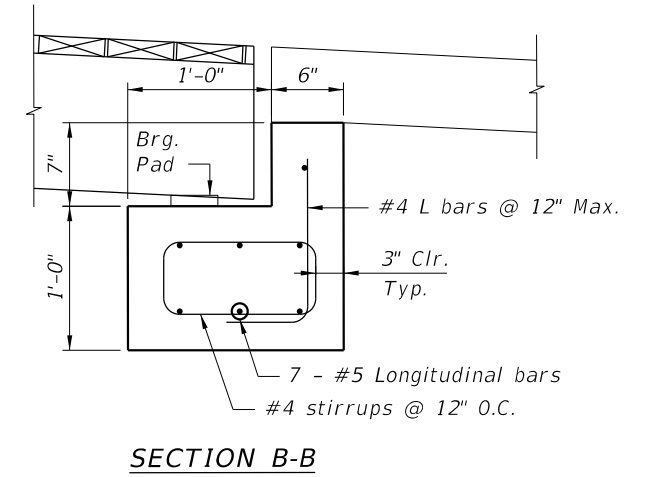
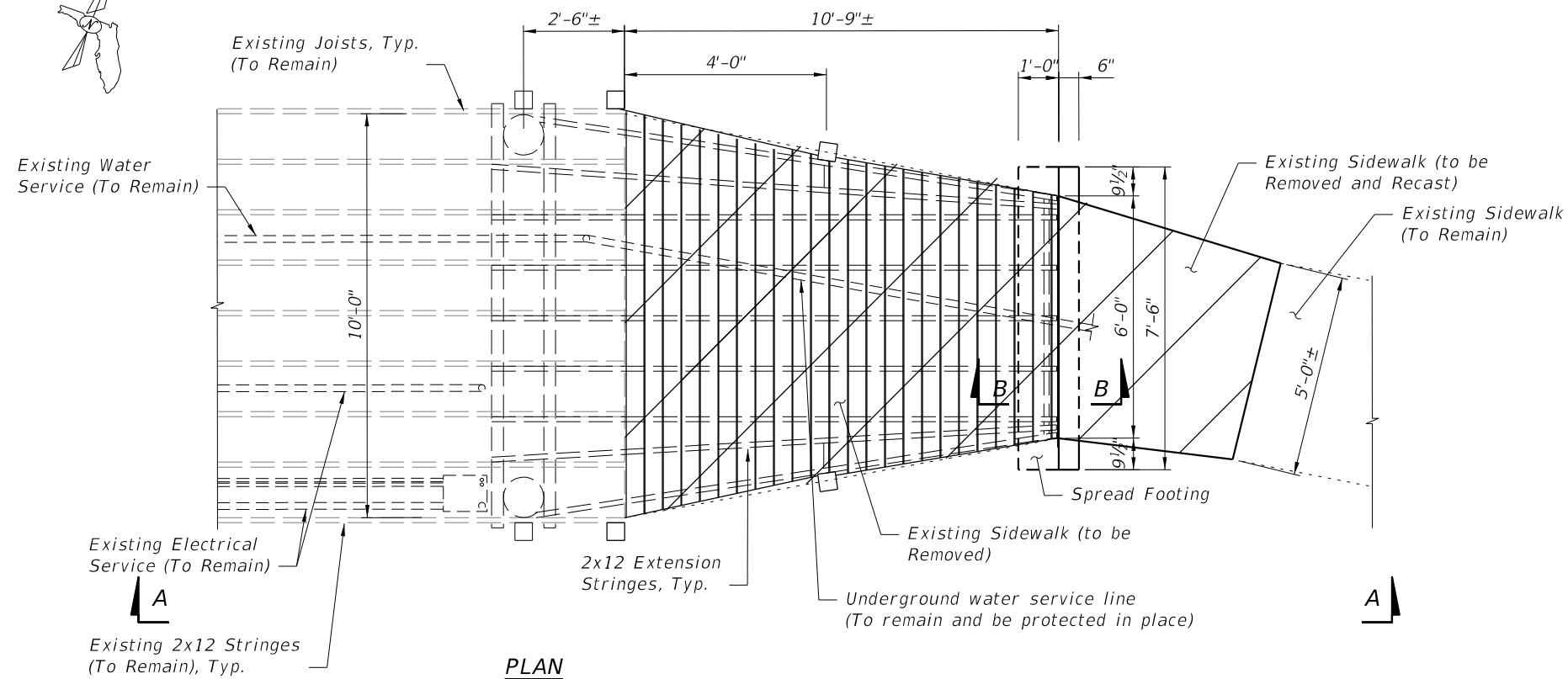
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 P.E. LICENSE NUMBER 80484
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 (561) 845-0665
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CITY OF PORT ST. LUCIE
 PARKS AND RECREATION

HEXAGON OUTLOOK FRAMING
 DETAILS
 RIVERWALK BOARDWALK
 REHABILITATION

SHEET NO.
 S-18

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North Boardwalk Extension Notes;

1. Soils under the spread footing foundation shall be compacted to minimum 1500 psf.
2. ASTM A615 Grade 60 carbon steel per Specifications Section 931.
3. Spread footing concrete shall be Type NS concrete in accordance with FDOT Specification section 346. Minimum compressive strength of 3400 psi.
4. Bearing pad shall be 1/8" thick x 4" wide neoprene pad.

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CITY OF PORT ST. LUCIE

PARKS AND RECREATION

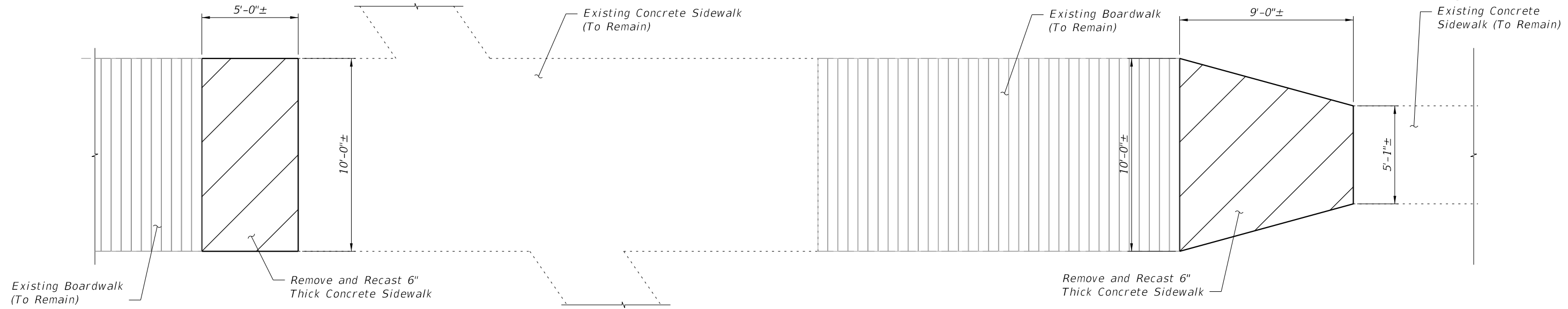
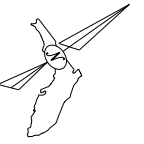
NORTH BOARDWALK EXTENSION
 DETAILS

RIVERWALK BOARDWALK
 REHABILITATION

SHEET NO.

5-19

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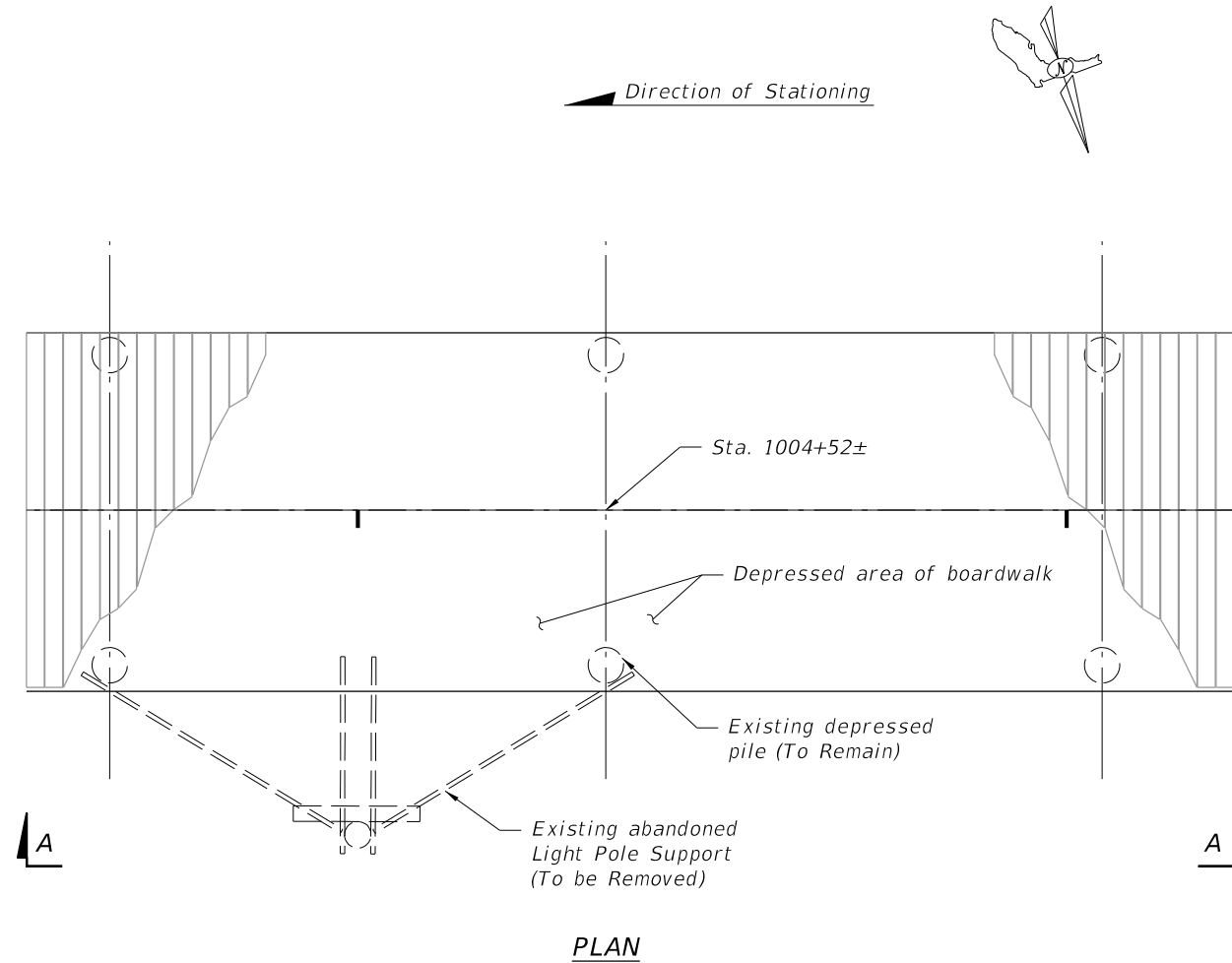
PLAN

Approach Sidewalk Replacement Notes;

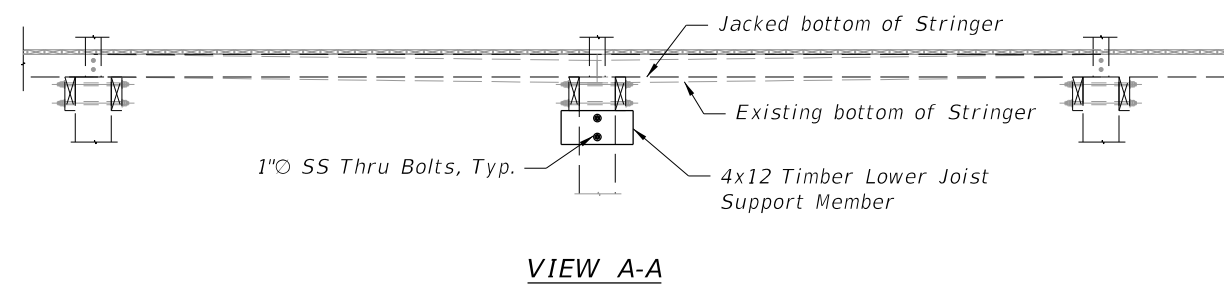
1. Remove all existing concrete and properly dispose of off site.
2. Sidewalks shall be rinstalled in accordance with FDOT Standard Specification Section 522 and FDOT Standard Plan Index 522-001.
3. Cast sidewalks to tie to existing grades on both longitudinal ends of the new sidewalk replacement sections.
4. Top surface of sidewalk shall have a broomed finish similar to adjacent existing sidewalk to remain.

REVISIONS						 <small>JERRY MARCUS PICCOLO, P.E. P.E. LICENSE NUMBER 80484 1920 WEKIVA WAY, SUITE 200 WEST PALM BEACH, FL 33411 (561) 845-0665 REGISTRY NO. 35106</small>	CITY OF PORT ST. LUCIE PARKS AND RECREATION	CONCRETE SIDEWALK DETAILS RIVERWALK BOARDWALK REHABILITATION	SHEET NO. S-20
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				

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PILE 1004+52± PICTURE (LOOKING SOUTH)



Boardwalk Leveling Guidance

1. Remove existing joist/pile through bolts and jack north ends of existing joints up to ensure level longitudinal grade along north edge of boardwalk.
2. Drill new holes through the exist joist/pile and reinstall thru bolts.
3. Install lower joist support members tightly against bottom of existing jacked and level joists.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Kimley»Horn

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 (561) 845-0665
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CITY OF PORT ST. LUCIE

PARKS AND RECREATION

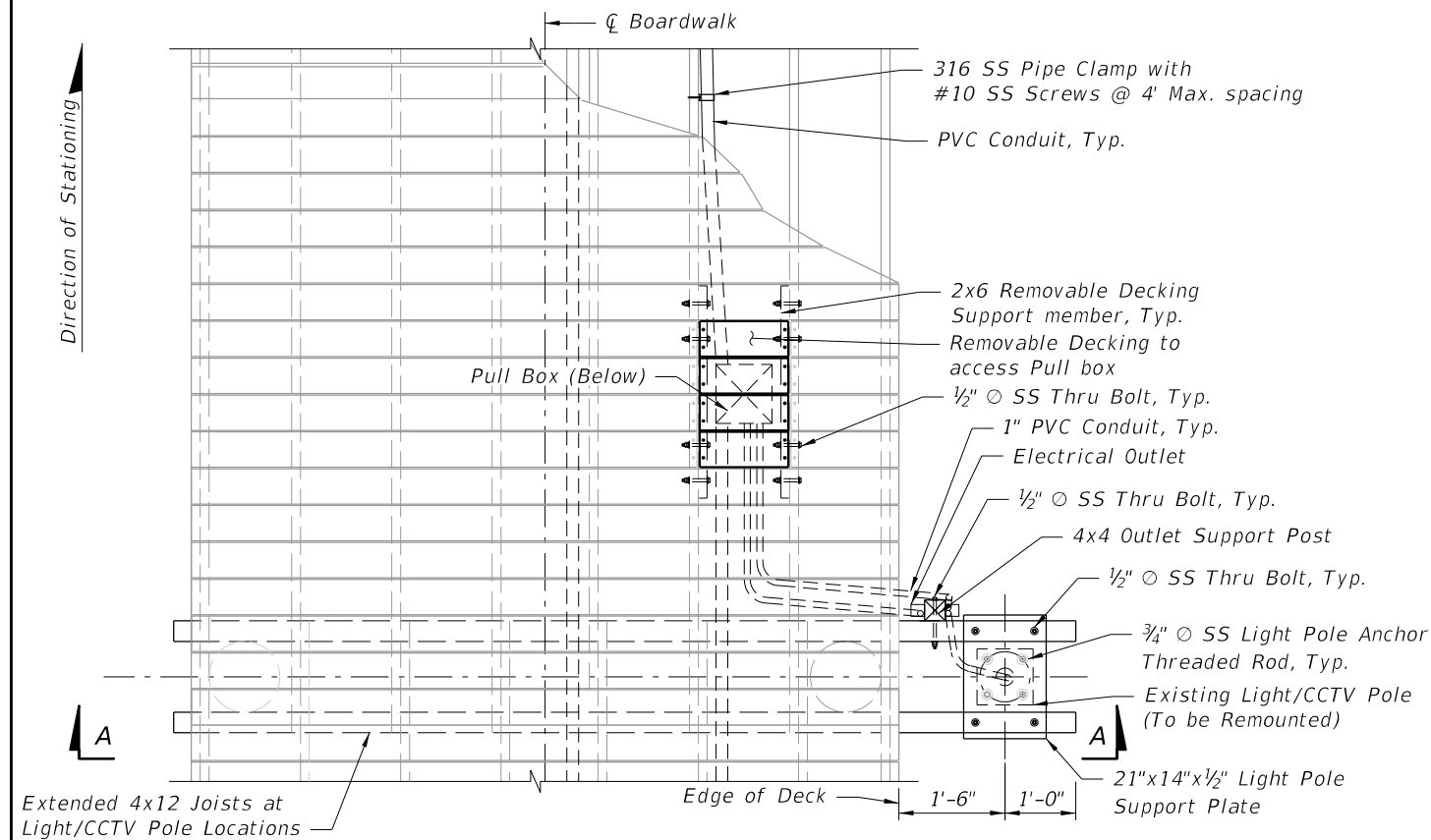
EAST/WEST BOARDWALK LEVELING DETAILS

RIVERWALK BOARDWALK REHABILITATION

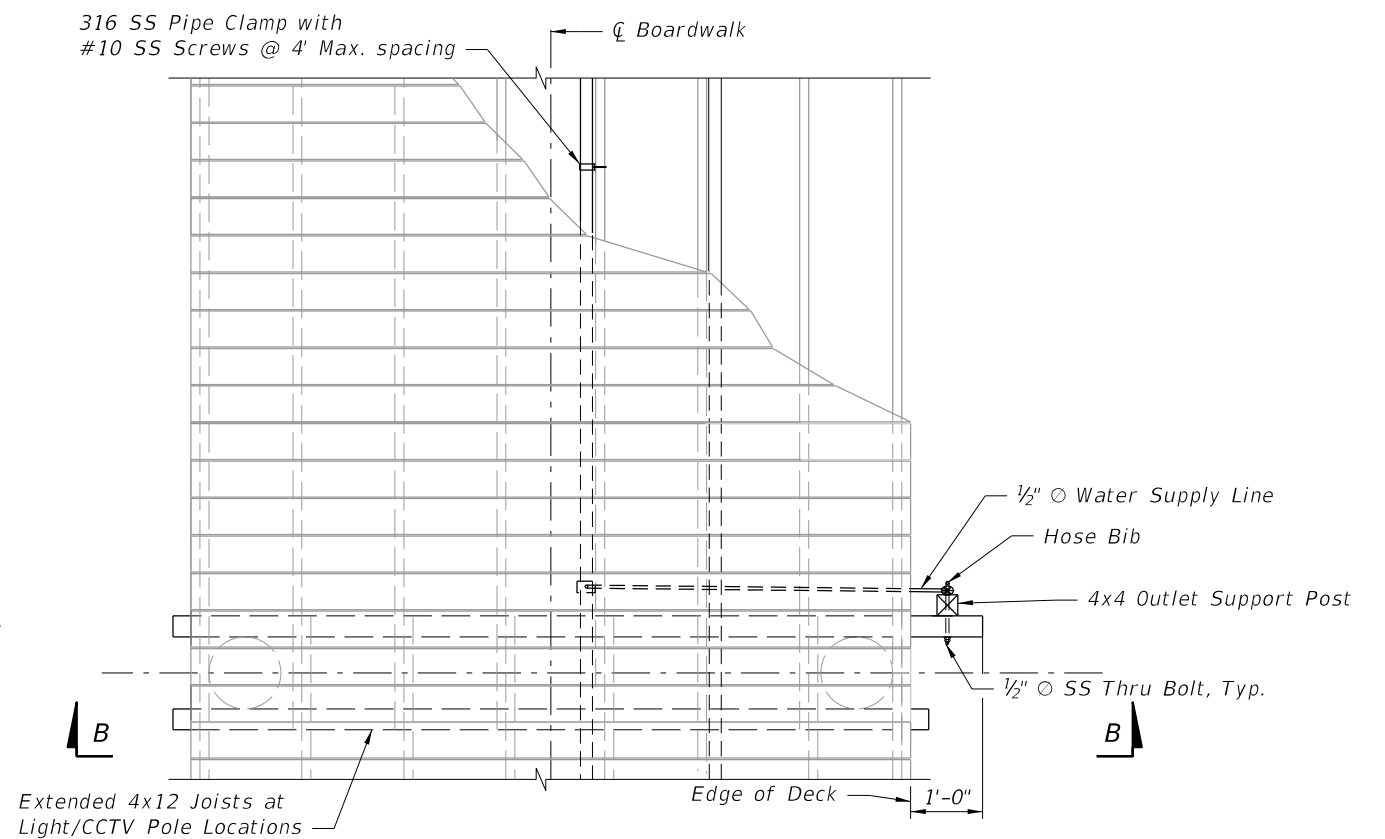
SHEET NO.

S-21

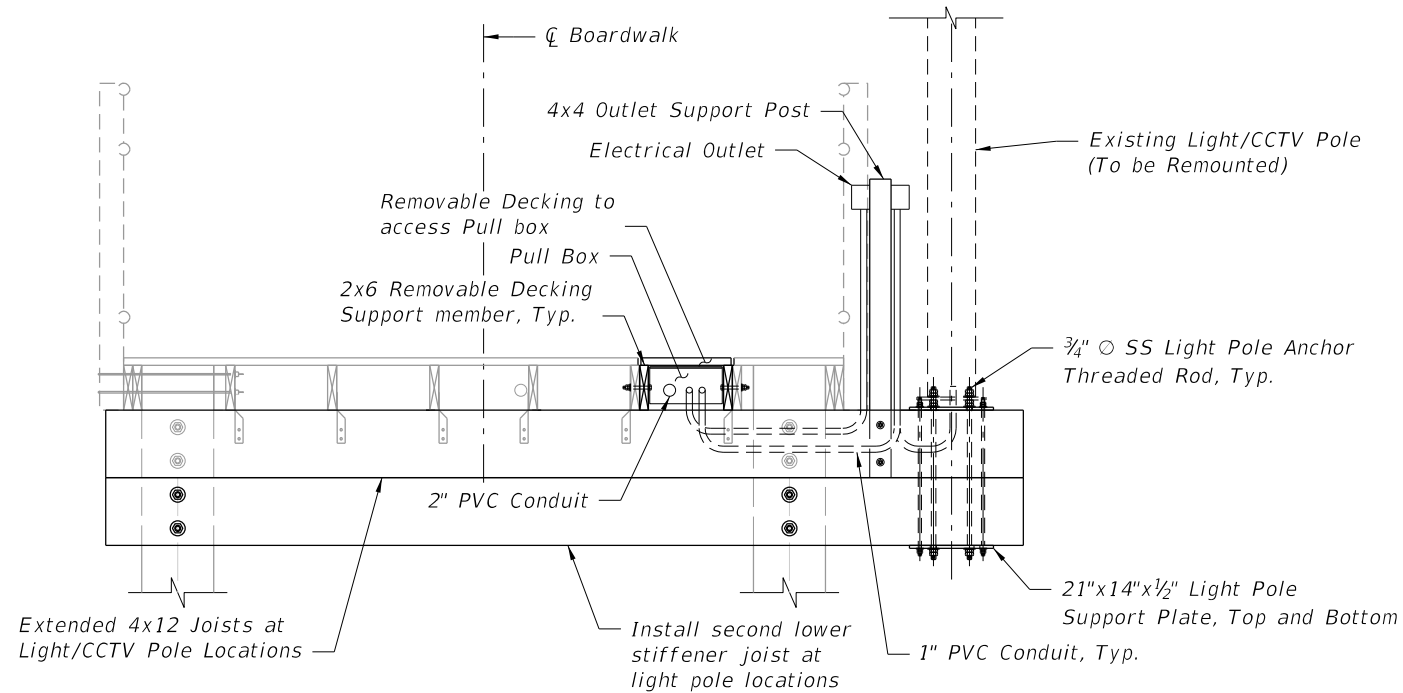
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PLAN AT LIGHT/CCTV POLE LOCATIONS
(Railing and Railing Mounting not shown for clarity)

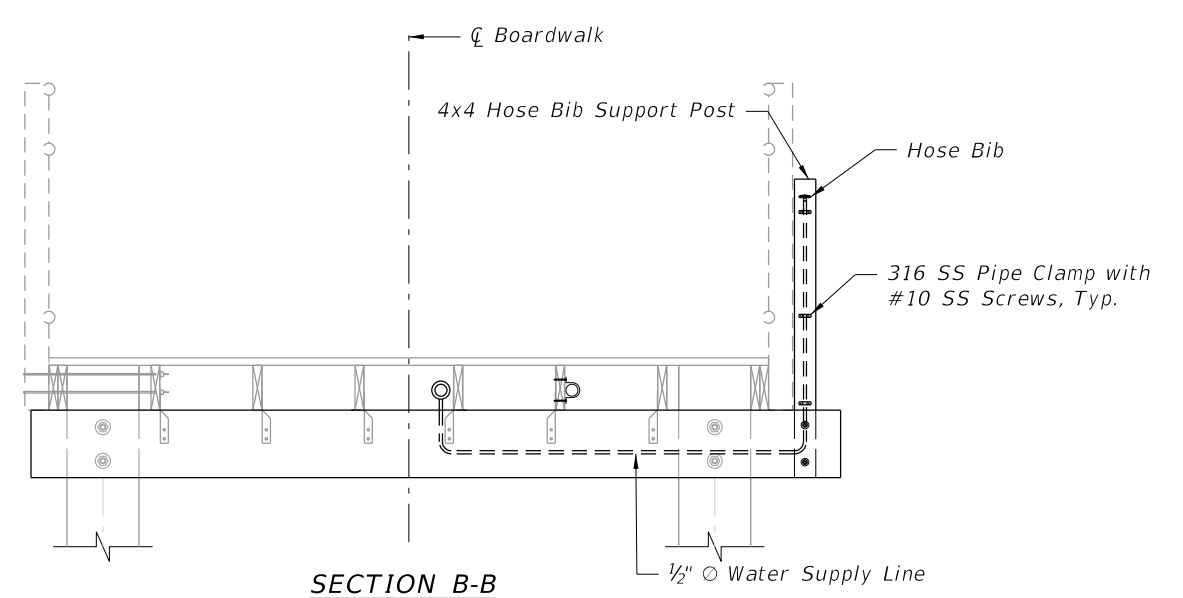


PLAN AT HOSE BIB LOCATIONS
(Railing and Railing Mounting not shown for clarity)



SECTION A-A

Lighting/CCTV Utility Notes:
1. Contractor shall salvage the existing light poles, fixtures, and CCTV equipment.



SECTION B-B

Water Utility Notes:
1. Match existing hose bib mounting height.
2. Hose bib shall consist of corrosion resistant materials and be tamper resistant similar to existing hose bibs.
3. Hose bib supply line shall connect into 2" HDPE longitudinal line via a tap Saddle Tee. Tap saddle tee shall be marine grade and consist of corrosion resistant materials and 316 SS hardware.

REVISIONS					
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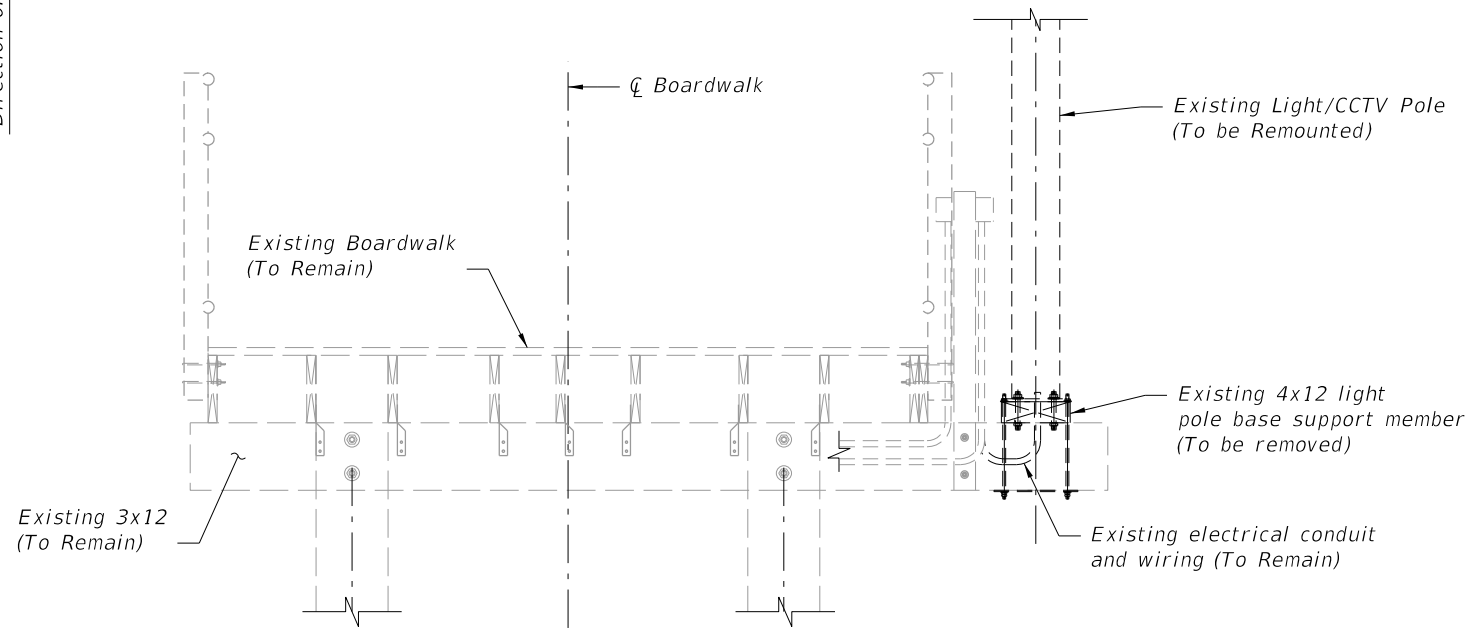
CITY OF PORT ST. LUCIE
PARKS AND RECREATION

BOARDWALK UTILITY DETAILS (1 OF 2)
RIVERWALK BOARDWALK REHABILITATION

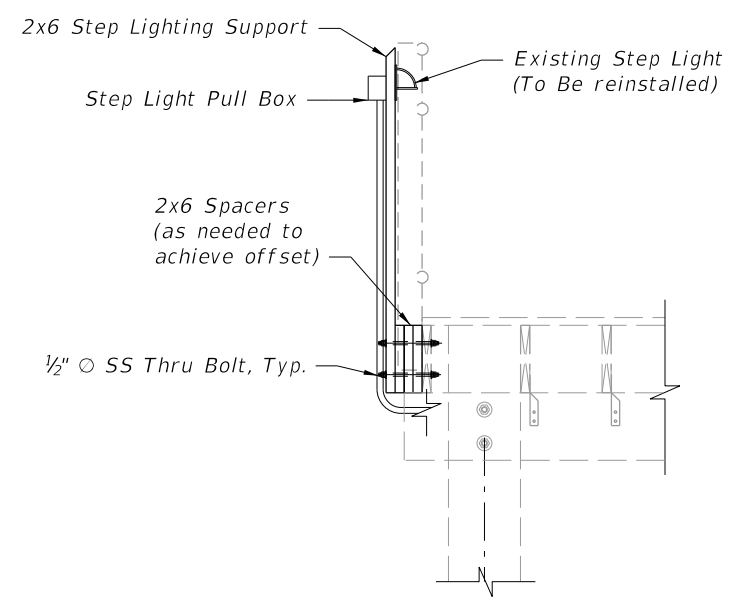
SHEET NO.
S-22

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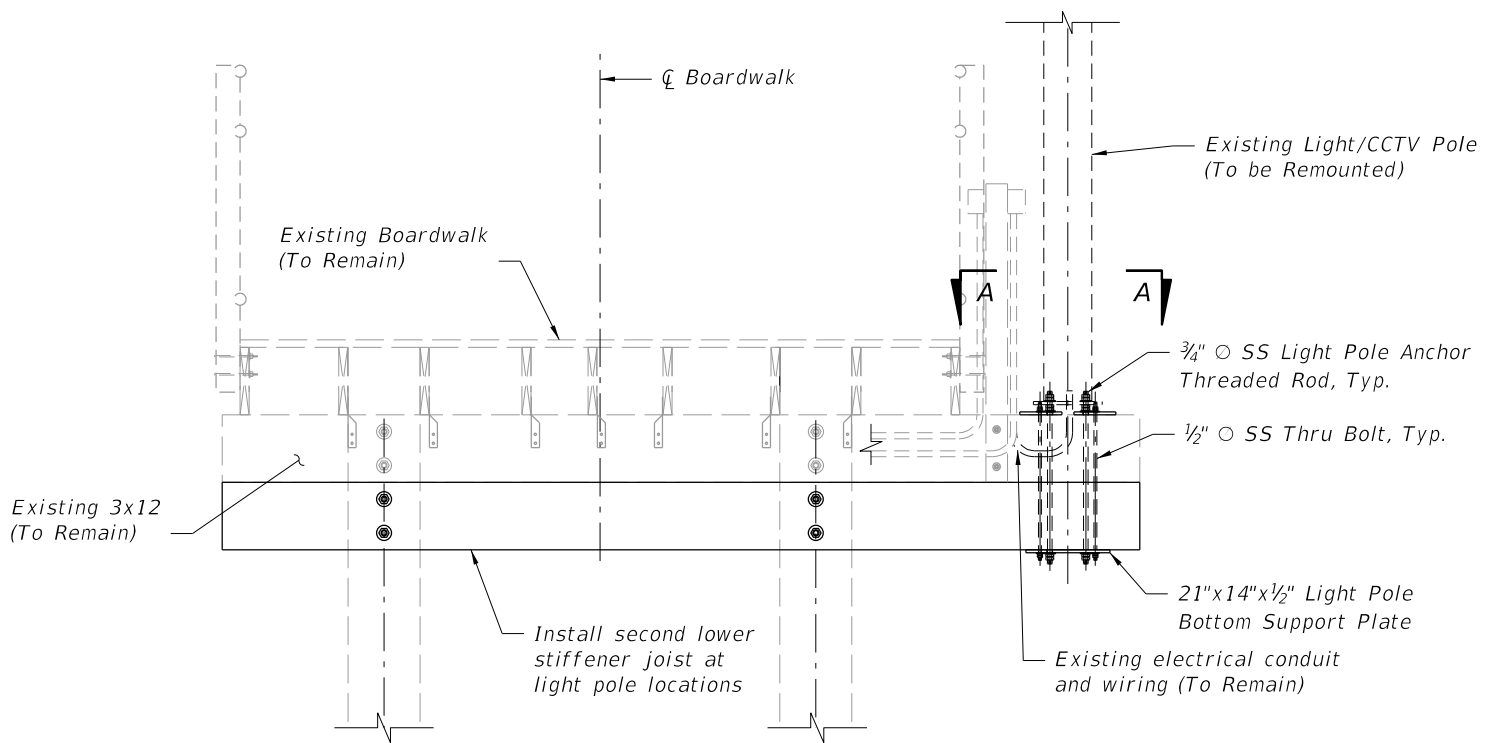
Direction of Stationing ↑



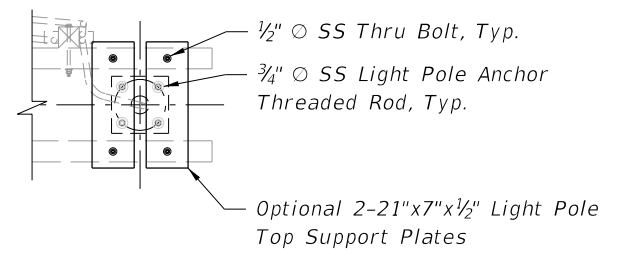
NORTH BOARDWALK AT EXISTING LIGHT POLE LOCATIONS



STEP LIGHT SUPPORT DETAIL



NORTH BOARDWALK AT STRENGTHENED LIGHT POLE LOCATIONS



SECTION A-A

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF PORT ST. LUCIE
 PARKS AND RECREATION

BOARDWALK UTILITY DETAILS (2 OF 2)
 RIVERWALK BOARDWALK REHABILITATION

SHEET NO.
 S-23

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PLAN SYMBOLS	PLAN SYMBOLS (CONTINUED)	CONTROL DIAGRAM SYMBOLS	ABBREVIATIONS	NOTES
			<p>A AMPERES AFF ABOVE FINISHED FLOOR AHU AIR HANDLING UNIT AHF ACTIVE HARMONIC FILTER AIC AMPS INTERRUPTING CURRENT BCP BACKUP CONTROL PANEL BKR BREAKER BLDG BUILDING CDCP CARBON DIOXIDE CONTROL PANEL CDIP CARBON DIOXIDE INTERFACE PANEL CP CONTROL PANEL CPT CONTROL POWER TRANSFORMER CSIP CAMERA SYSTEM INTERFACE PANEL CSP CHEMICAL SCRUBBER PANEL CT CURRENT TRANSFORMER CU CONDENSING UNIT EFF EFFLUENT ELEC ELECTRICAL EM EMERGENCY ENCL ENCLOSURE ETM ELAPSED TIME METER EWH ELECTRIC WATER HEATER EXH EXHAUST FPL FLORIDA POWER & LIGHT FPP FIBER PATCH PANEL FTC FLOAT CABLE TERMINATION CABINET FVNR FULL VOLTAGE NON-REVERSING GCP GENERATOR CONTROL PANEL GFR GROUND FAULT RECEPTACLE GFI GROUND FAULT INTERRUPTER GND GROUND GST GROUND STORAGE TANK HCP HEATER CONTROL PANEL HOA HAND-OFF-AUTOMATIC HOR HAND-OFF-REMOTE HP HORSEPOWER HSP HIGH SERVICE PUMP JWH JACKET WATER HEATER JB JUNCTION BOX KVA KILO VOLT-AMPERES KW KILOWATT LCP LOCAL CONTROL PANEL LP LOOP NUMBER LTG LIGHTING MAX MAXIMUM MCB MAIN CIRCUIT BREAKER MCC MOTOR CONTROL CENTER MCP MOTOR CIRCUIT PROTECTOR MFR MANUFACTURER MIN MINIMUM MLO MAIN LUGS ONLY MTD MOUNTED MTS MANUAL TRANSFER SWITCH N NEUTRAL NEC NATIONAL ELECTRICAL CODE NEM NETWORK ETHERNET MODULE NTS NOT TO SCALE OCP ODOR CONTROL PANEL OH OVERHEAD P POLE PCP PROCESS CONTROL PANEL PM PHASE MONITOR RVSS REDUCED VOLTAGE SOFT STARTER SC SURGE CAPACITOR SEC SECURITY SH SHIELDED SS STAINLESS STEEL SSS SOLID STATE STARTER STR STARTER SW SWITCH SWBD SWITCHBOARD TC TERMINATION CABINET TYP TYPICAL UG UNDERGROUND UPS UNINTERRUPTIBLE POWER SUPPLY V VOLT VFD VARIABLE FREQUENCY DEVICE W WATT W/ WITH WP WEATHERPROOF XFMR TRANSFORMER φ PHASE</p>	<ol style="list-style-type: none"> 1. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL NEW ELECTRICAL WORK INDICATED. 2. ELECTRICAL CONTRACTOR SHALL VISIT JOB SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING ELECTRICAL INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. EXISTING CONDITIONS OF ELECTRICAL EQUIPMENT, LIGHT FIXTURES, ETC... THAT ARE PART OF THE FINAL SYSTEM SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO SUBMITTING HIS BID. 3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH 2023 FLORIDA BUILDING CODE, THE 2020 NATIONAL ELECTRICAL CODE AND SHALL COMPLY WITH ALL LOCAL RULES AND ORDINANCES. 4. MINIMUM WIRE SIZE SHALL BE #12 A.W.G. EXCLUDING CONTROL WIRING, UNLESS OTHERWISE NOTED. 5. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER. 6. ELECTRICAL SYSTEM SHALL BE COMPLETE AND EFFECTIVELY GROUNDED AS REQUIRED BY THE LATEST EDITION OF THE N.E.C. OR LOCAL CODES. ALL CONDUITS SHALL HAVE A BOND WIRE SIZED PER TABLE 250-122 OF THE NATIONAL ELECTRICAL CODE. 7. ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABELS WHERE APPLICABLE. 8. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/OWNER. 9. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN TWO YEARS FROM DATE OF ACCEPTANCE. 10. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED. 11. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF THE FPL. SEE 16050 FOR ADDITIONAL INFORMATION. 12. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED OF HIS WORK. 13. ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS W/ TYPE WRITTEN DIRECTORIES (NEW & EXISTING). 14. ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. 15. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO THE MECHANICAL DRAWINGS & THE APPROVED MANUFACTURER'S SHOP DRAWINGS FOR THE EXACT LOCATION OF ALL EQUIPMENT. 16. NON-SHADED TEXT DENOTES NEW EQUIPMENT, STRUCTURES AND WORK. SHADED AND SLANTED TEXT DENOTES EXISTING EQUIPMENT OR STRUCTURES. 17. ALL CONTROL PANELS SHALL BE UL LISTED AND SHALL COMPLY WITH ARTICLE 409 OF THE NEC. 18. ALL EMPTY CONDUITS SHALL BE INSTALLED WITH PULL STRING. 19. THE PLANS REFLECT SYSTEM VOLTAGE DROPS AS PER F.B.C. ENERGY CONSERVATION 2023, EIGHT C405.5.3. THE CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS COMBINED ARE SIZED FOR A MAXIMUM OF 5 PERCENT VOLTAGE DROP TOTAL. 20. ALL CONDUIT INSTALLATION NEAR EXISTING UTILITIES INCLUDING AT&T FIBER, RAW WATER AND WATER MAIN LINES, ELECTRICAL DUCTBANK SHALL BE HAND EXCAVATED. CONTRACTOR IS RESPONSIBLE TO LOCATE AND PROTECT ALL UNDERGROUND UTILITIES.
REVISIONS		SINGLE LINE DIAGRAM SYMBOLS		
				<p>COMBINATION MOTOR STARTER EMERGENCY STOP GROUND FAULT INTERRUPTER FUSE CAPACITOR DRAW-OUT CIRCUIT BREAKER MOLDED CASE CIRCUIT BREAKER, THERMAL MAGNETIC TRIP SHOWN, 3P UNLESS OTHERWISE NOTED. TYPICAL SELECTOR SWITCH AND CONTROL. SEE ELEMENTARY DIAGRAMS FOR EXACT TYPE. SERVICE OR EQUIPMENT GROUND. NON-FUSIBLE DISCONNECT SWITCH, 30A,3P UNLESS OTHERWISE INDICATED. CIRCUIT BREAKER, MAGNETIC, TRIP SHOWN, 3P NEMA 4X 316 SS ENCLOSURE UNLESS OTHERWISE NOTED CROOSE HINDS EYSR FITTING w/CHICO SPEED SEAL COMPOUND CROOSE HINDS EYS FITTING w/ CHICO SPEED SEAL COMPOUND LIGHTING PANELBOARD POWER PANELBOARD. CURRENT TRANSFORMERS POTENTIAL TRANSFORMERS. FIBER PATCH PANEL</p>

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Kimley»Horn

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WEST PALM BEACH, FL 33411
(561) 845-0665
REGISTRY NO. 35106

CITY OF PORT ST. LUCIE

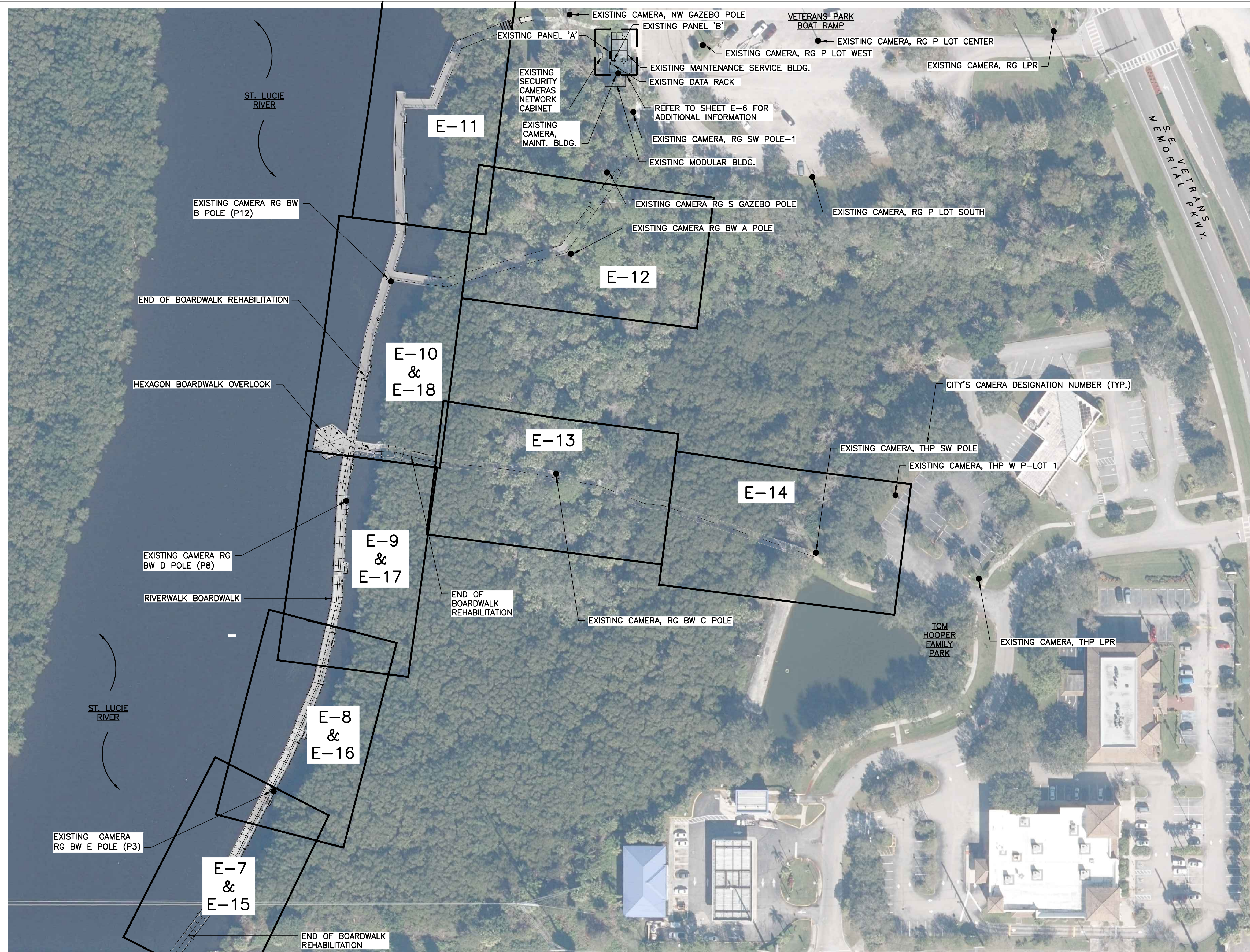
PARKS AND RECREATION

ELECTRICAL NOTES, SYMBOLS & ABBREVIATIONS

RIVERWALK BOARDWALK REHABILITATION

SHEET NO.
E-1

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NOTES:
 ① OVERALL CAMERA LOCATIONS SHOWN ON THIS SHEET FOR REFERENCE PURPOSES BASED ON CAMERA MAP PROVIDED BY THE CITY.

**OVERALL ELECTRICAL
 SITE PLAN**
 SCALE: 1"=60'-0"
 60 30 0 60'

EDA
 Electrical Design Associates
 7284 W. Palmetto Park Road, SUITE 302-S
 Boca Raton, Florida 33433
 PHONE: (561) 819-5556
 FAX: (561) 819-5557
 C.O.A. No. 8079
 DAMEION DONALDSON, P.E.
 Florida P.E. No. 70851

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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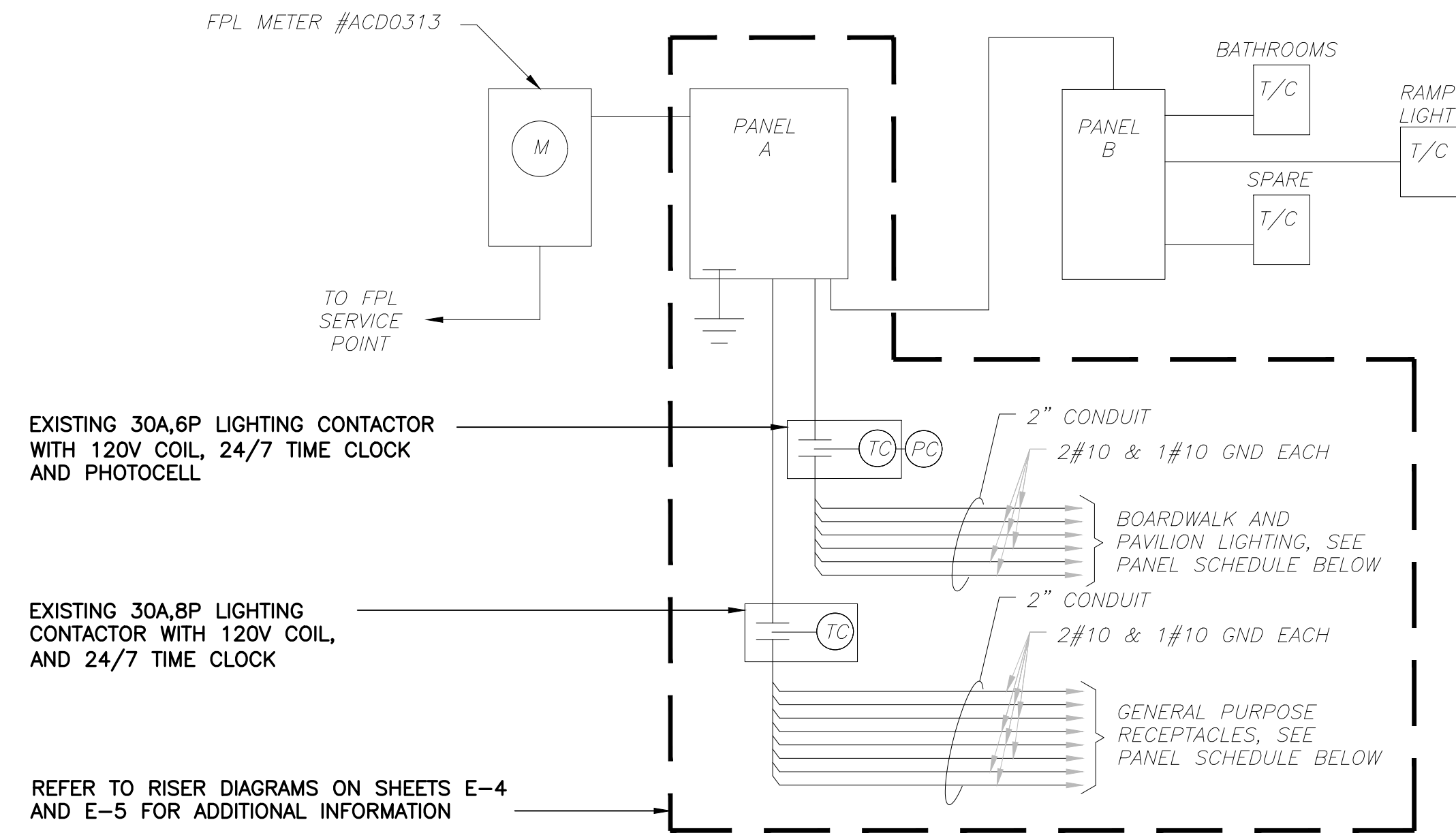
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CITY OF PORT ST. LUCIE
PARKS AND RECREATION

OVERALL ELECTRICAL SITE PLAN
**RIVERWALK BOARDWALK
 REHABILITATION**

**SHEET
 NO.**
 E-2

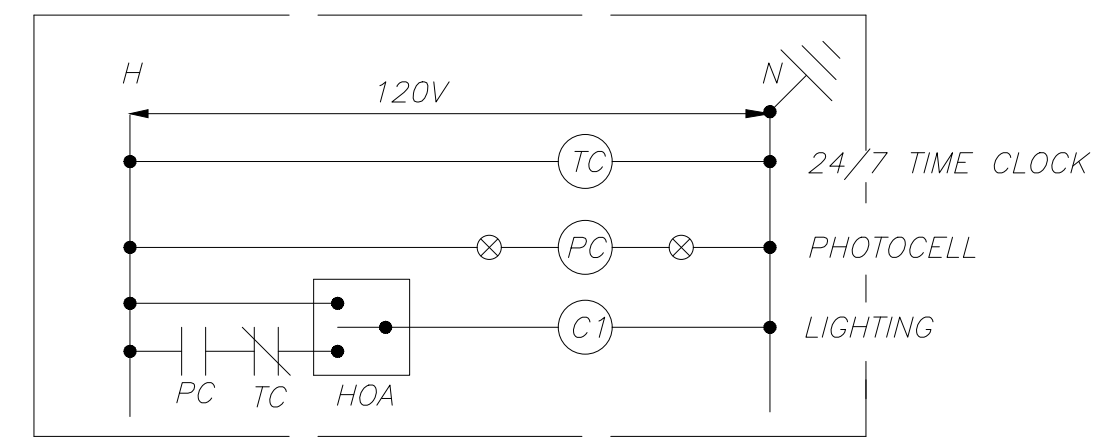
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EXISTING SINGLE LINE DIAGRAM (MAINTENANCE SERVICE BLDG.)

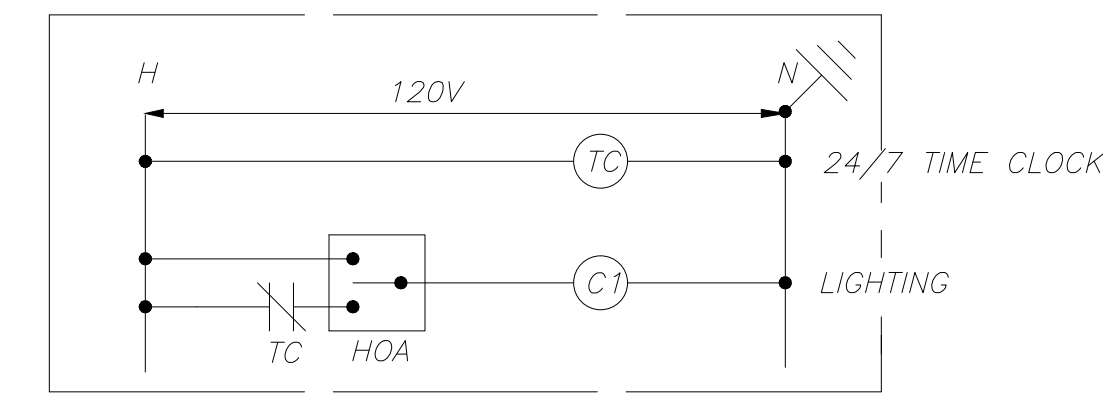
SCALE: N.T.S.

PANEL: A					BUS: 225 AMP					VOLT: 120/240-1Ø-3W					
LOCATION: EXTERIOR WALL (WEST OF MAINT. SERVICE BLDG.)					MAINS: 225A, 2P MB					REMARKS: -					
MOUNTING: SURFACE					POLES: 30					A.I.C. SYMM: 10,000					
AMPS	POLE	WIRE	GND.	COND.	LOAD SERVED	BUS KVA		BUS KVA		LOAD SERVED	WIRE	GND.	COND.	POLE	AMPS
						A	B	A	B						
150	2	-	-	-	PANEL B	9.60									
						9.60									
20	1	-	-	-	BOARDWALK LIGHTING	0.32		1	2	0.72					20
20	1	-	-	-	BOARDWALK LIGHTING	0.62		3	4	0.36					20
20	1	-	-	-	BOARDWALK LIGHTING	0.10		5	6	0.72					20
20	1	-	-	-	BOARDWALK LIGHTING	0.07		7	8	0.72					20
20	1	-	-	-	BOARDWALK LIGHTING	0.12		9	10	0.72					20
50	1	-	-	-	BOARDWALK LIGHTING	0.10		11	12	0.90					20
20	1	-	-	-	LIGHTING CONTACTOR T/C	0.36		13	14	0.90					20
20	1	-	-	-	SOUTH CAMERAS	0.36		15	16	0.90					20
20	1	-	-	-	NORTH CAMERAS	0.36		17	18	0.36					20
20	1	-	-	-	PARKING LOT LIGHTS	1.00		19	20	-					20
20	1	-	-	-	PARKING LOT LIGHTS	1.00		21	22	0.36					20
20	1	-	-	-	IRRIGATION PUMP	1.00		23	24	-					20
60	2	-	-	-	FIBER OPTIC CABINET	2.00		25	26	0.10					30
-	-	-	-	-	FIBER OPTIC CABINET	2.00		27	28	0.10					-
-	-	-	-	-	SPACE	-		29	30	-					-
TOTAL (PHASE):						13.86	14.75	3.88	2.98	NOTES:					
TOTAL KVA:						35.47									
TOTAL AMPS:						147.79									
TOTAL DEMAND AMPS:						147.79									



EXISTING LIGHTING CONTACTOR WIRING DIAGRAM

N.T.S.



EXISTING RECEPTACLE CONTACTOR WIRING DIAGRAM

N.T.S.



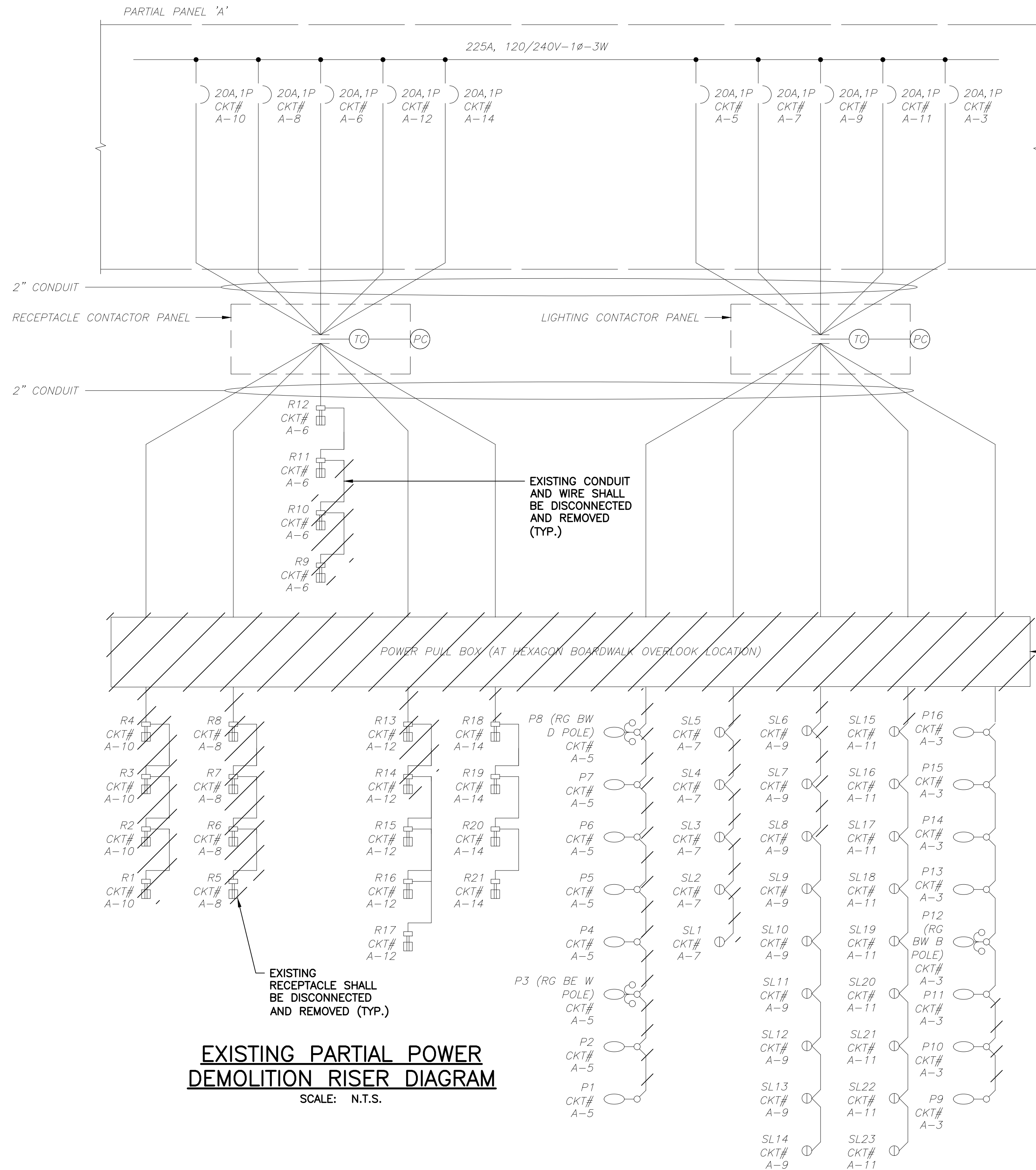
Electrical Design Associates

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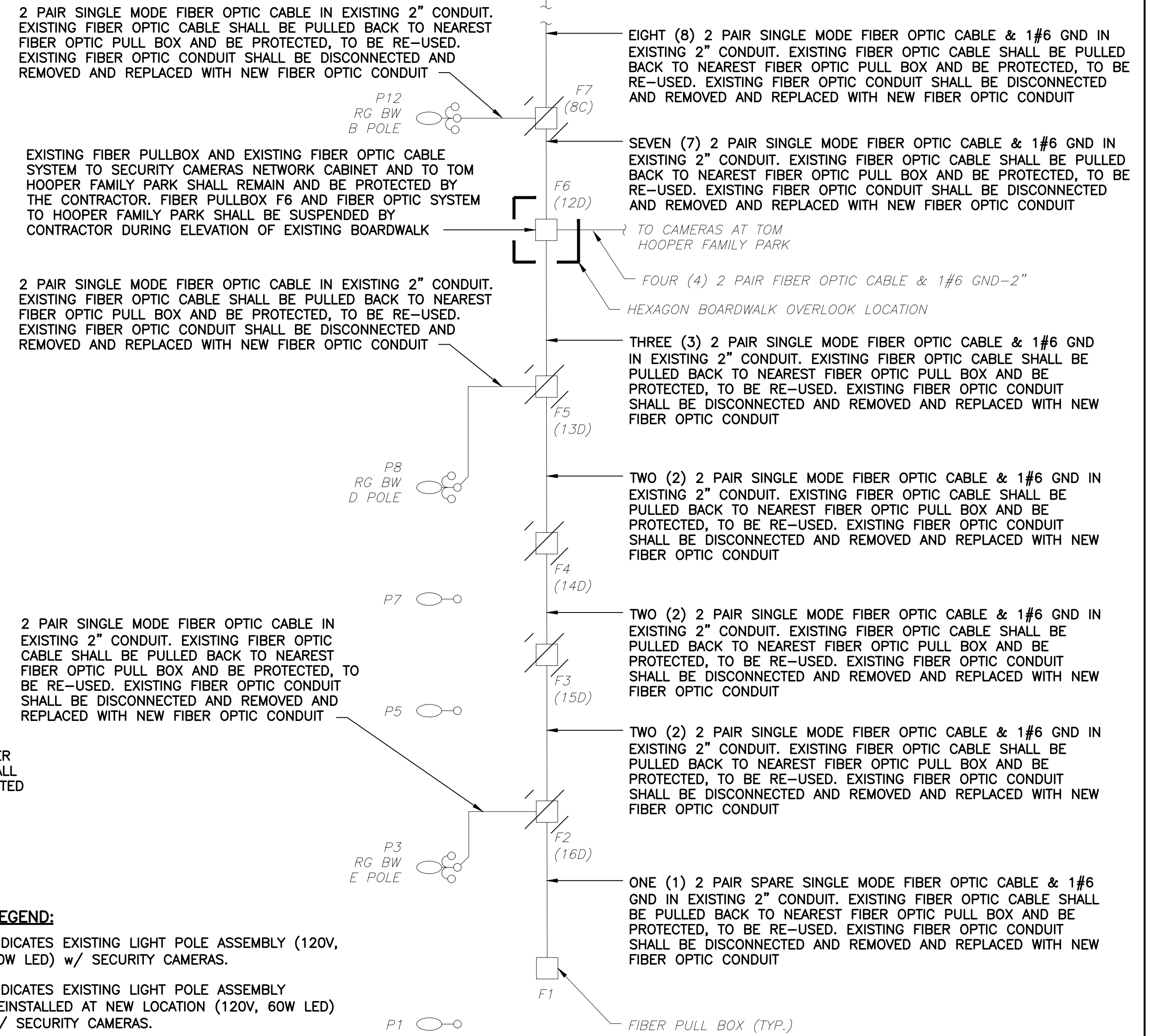
REVISIONS						Kimley»Horn	CITY OF PORT ST. LUCIE	SINGLE LINE DIAGRAM & PANEL SCHEDULE	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				
						JERRY MARCUS PICCOLO, P.E. P.E. LICENSE NUMBER 80484 1920 WEKIVA WAY, SUITE 200 WEST PALM BEACH, FL 33411 (561) 845-0665 REGISTRY NO. 35106	PARKS AND RECREATION	RIVERWALK BOARDWALK REHABILITATION	E-3

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EXISTING PARTIAL POWER DEMOLITION RISER DIAGRAM
SCALE: N.T.S.

EXISTING PARTIAL POWER AND FIBER DEMOLITION RISER DIAGRAMS
SCALE: N.T.S.



- LEGEND:**
- INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED).
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES PROPOSED GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES EXISTING POWER PULLBOX.
 - INDICATES PROPOSED POWER PULLBOX.
 - INDICATES EXISTING FIBER PULLBOX.
 - INDICATES PROPOSED FIBER PULLBOX.
 - INDICATES EXISTING STEP LIGHT (120V, 5W LED).
 - INDICATES EXISTING STEP LIGHT REINSTALLED AT NEW LOCATION (120V, 5W LED).

- NOTES:**
- 1 ALL FIBER OPTIC CABLE WORK SHALL BE COMPLETED BY ADAM VAUDRIN OF JADE COMMUNICATIONS, PHONE NUMBER (561) 239-8203. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION WITH THE CITY/JADE COMMUNICATIONS.

EXISTING PARTIAL FIBER DEMOLITION RISER DIAGRAM
SCALE: N.T.S.



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REVISIONS					
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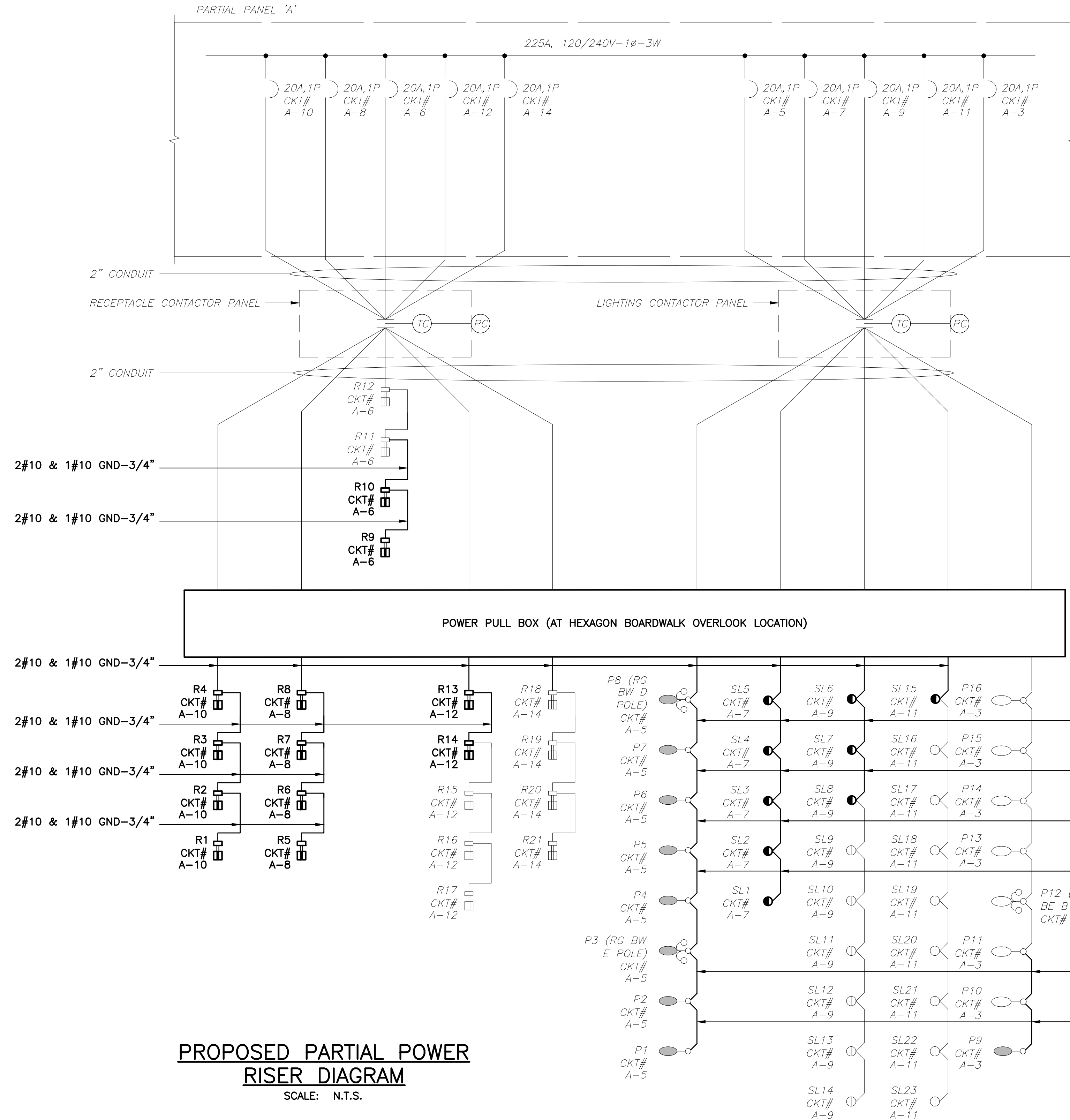
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WEST PALM BEACH, FL 33411
(561) 845-0665
REGISTRY NO. 35106

CITY OF PORT ST. LUCIE
PARKS AND RECREATION

EXISTING PARTIAL POWER & FIBER DEMOLITION RISER DIAGRAMS
RIVERWALK BOARDWALK REHABILITATION

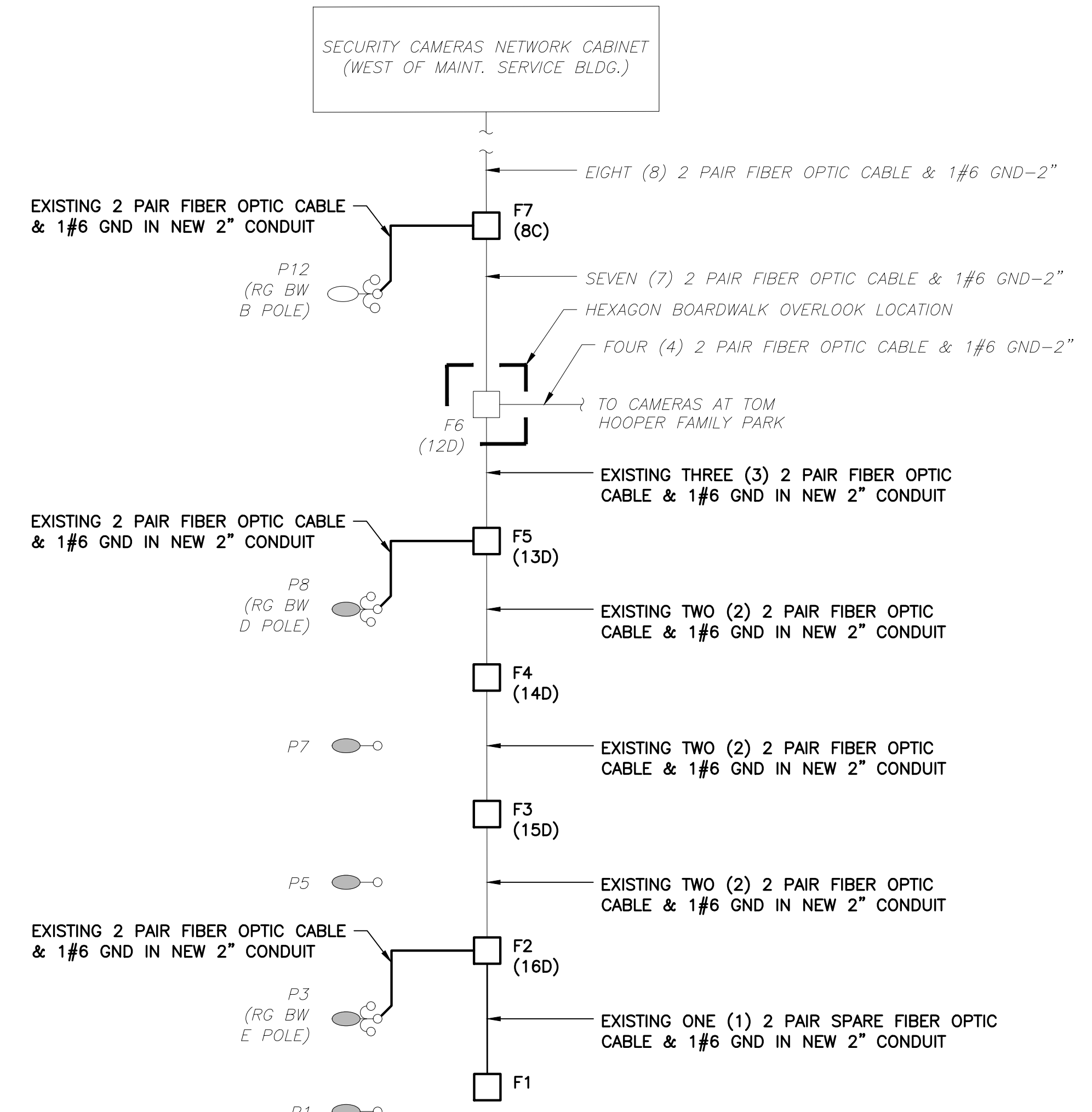
SHEET NO.
E-4

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PROPOSED PARTIAL POWER RISER DIAGRAM
SCALE: N.T.S.

PROPOSED POWER AND FIBER RISER DIAGRAMS
SCALE: N.T.S.



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PROPOSED PARTIAL FIBER RISER DIAGRAM
SCALE: N.T.S.

- LEGEND:**
- INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED).
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED).
 - INDICATES EXISTING GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES PROPOSED GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES EXISTING POWER PULLBOX.
 - INDICATES PROPOSED POWER PULLBOX.
 - INDICATES EXISTING FIBER PULLBOX.
 - INDICATES PROPOSED FIBER PULLBOX.
 - INDICATES EXISTING STEP LIGHT (120V, 5W LED).
 - INDICATES EXISTING STEP LIGHT REINSTALLED AT NEW LOCATION (120V, 5W LED).

REVISIONS					
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CITY OF PORT ST. LUCIE
PARKS AND RECREATION

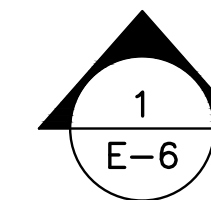
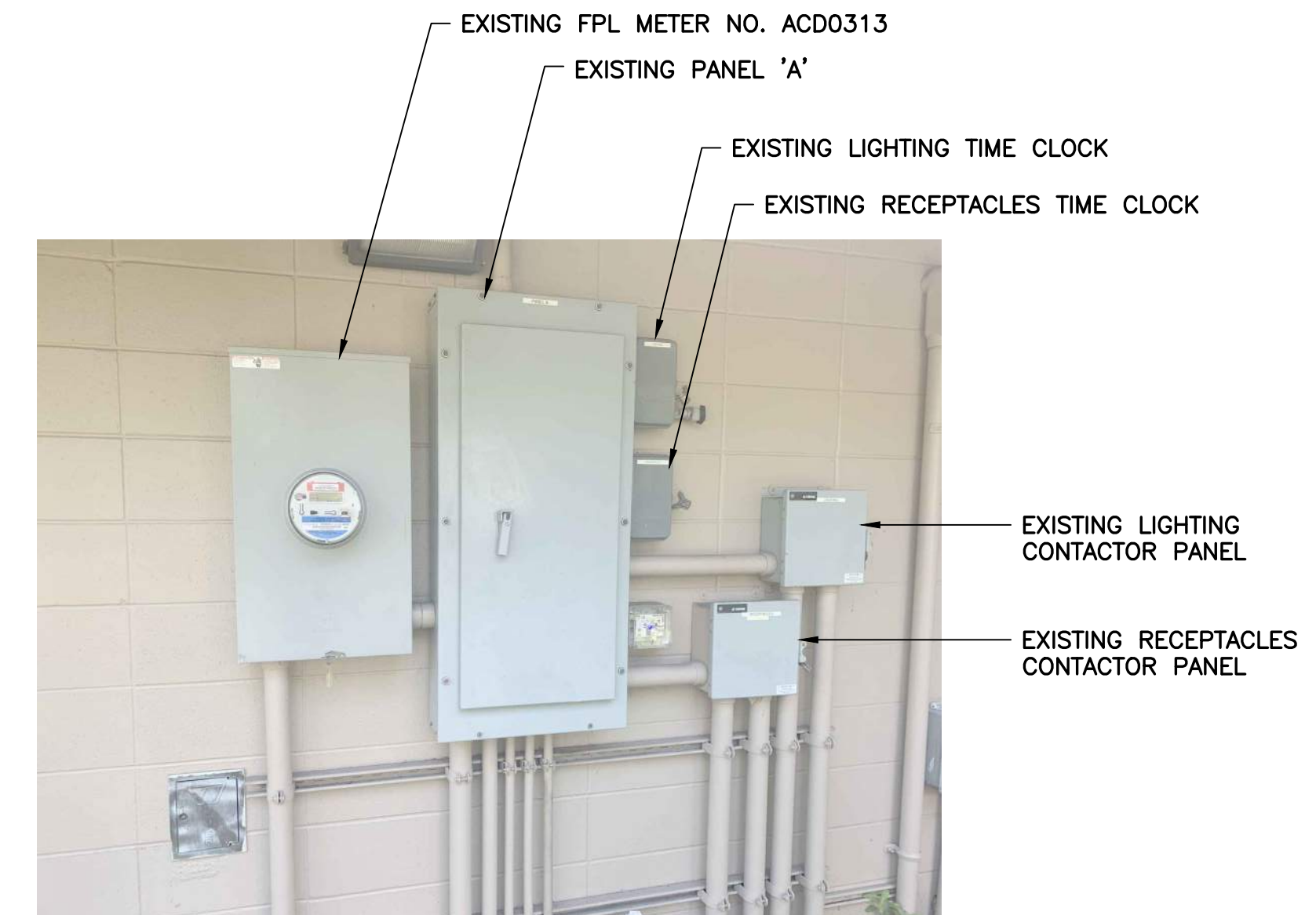
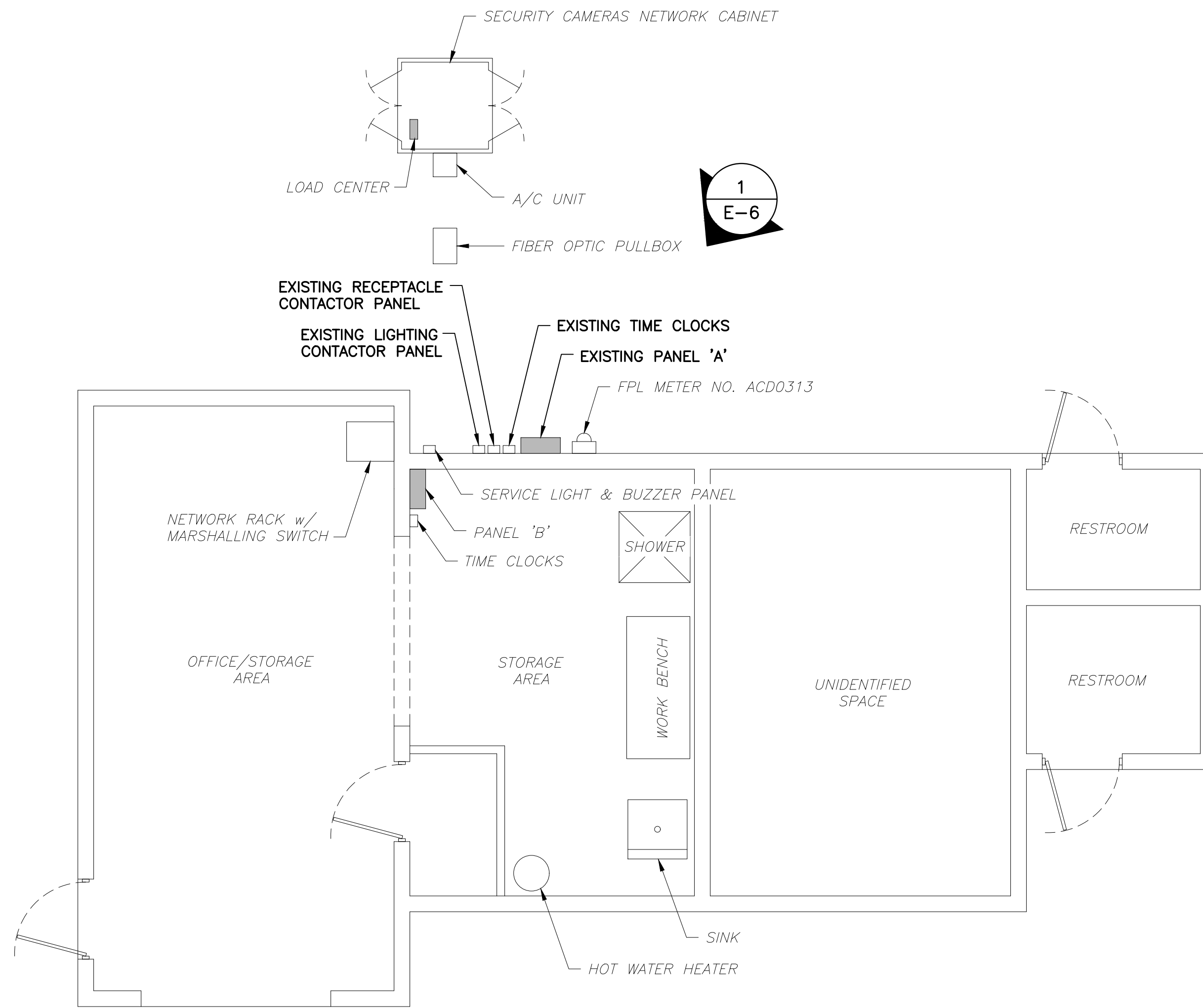
PROPOSED POWER & FIBER RISER DIAGRAMS
RIVERWALK BOARDWALK REHABILITATION

SHEET NO.
E-5

100% SUBMITTAL

EDA
Electrical Design Associates
7284 W. Palmetto Park Road, SUITE 302-S
Boca Raton, Florida 33433
PHONE: (561) 819-5556
FAX: (561) 819-5557
C.O.A. No. 8079
DAMEION DONALDSON, P.E.
Florida P.E. No. 70851

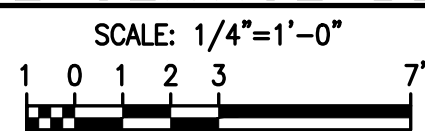
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EXISTING ELECTRICAL EQUIPMENT

SCALE: N.T.S.

EXISTING MAINTENANCE SERVICE BLDG. ELECTRICAL PLAN



Electrical Design Associates

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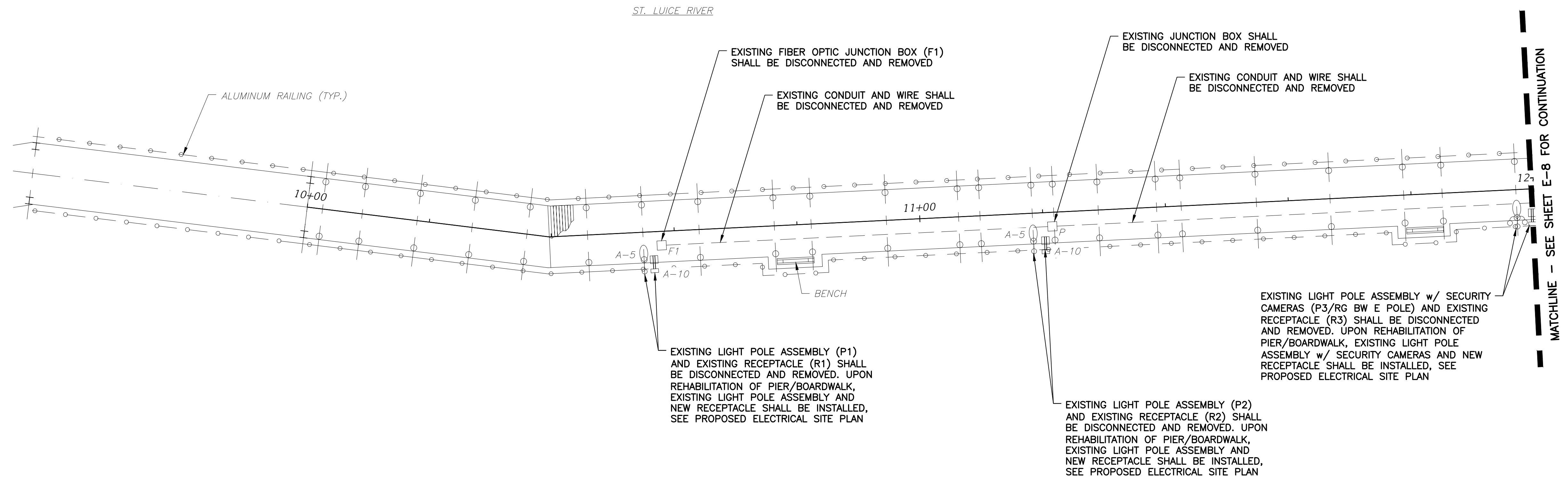
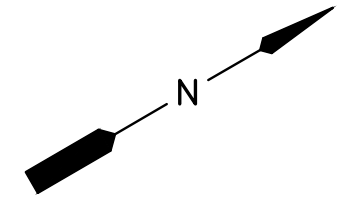
100% SUBMITTAL

REVISIONS						CITY OF PORT ST. LUCIE PARKS AND RECREATION	EXISTING MAINTENANCE SERVICE BLDG. ELECTRICAL PLAN RIVERWALK BOARDWALK REHABILITATION	SHEET NO. E-6
DATE	BY	DESCRIPTION	DATE	BY				

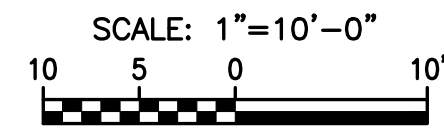
Kimley»Horn

JERRY MARCUS PICCOLO, P.E.
 P.E. LICENSE NUMBER 80484
 1920 WEKIVA WAY, SUITE 200
 WEST PALM BEACH, FL 33411
 (561) 845-0665
 REGISTRY NO. 35106

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ELECTRICAL DEMOLITION PLAN - 1



- LEGEND:**
- INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED).
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED).
 - INDICATES EXISTING GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES PROPOSED GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES EXISTING POWER PULLBOX.
 - INDICATES PROPOSED POWER PULLBOX.
 - INDICATES EXISTING FIBER PULLBOX.
 - INDICATES PROPOSED FIBER PULLBOX.
 - INDICATES EXISTING STEP LIGHT (120V, 5W LED).
 - INDICATES EXISTING STEP LIGHT REINSTALLED AT NEW LOCATION (120V, 5W LED).

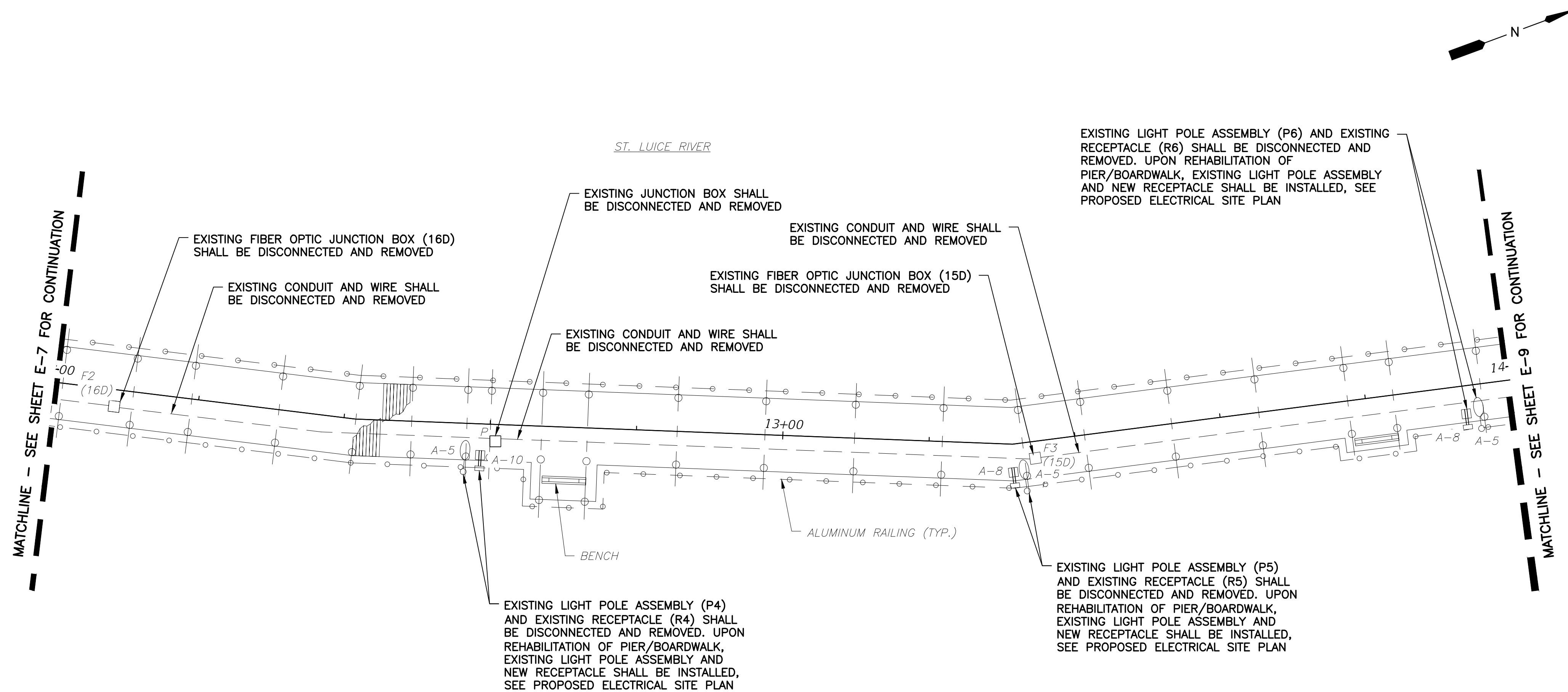


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 Florida P.E. No. 70851

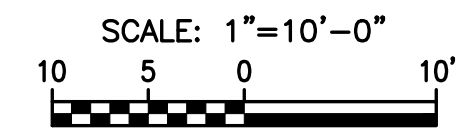
100% SUBMITTAL

REVISIONS						CITY OF PORT ST. LUCIE PARKS AND RECREATION	ELECTRICAL DEMOLITION PLAN - 1 RIVERWALK BOARDWALK REHABILITATION	SHEET NO. E-7
DATE	BY	DESCRIPTION	DATE	BY				
					JERRY MARCUS PICCOLO, P.E. P.E. LICENSE NUMBER 80484 1920 WEKIVA WAY, SUITE 200 WEST PALM BEACH, FL 33411 (561) 845-0665 REGISTRY NO. 35106			

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ELECTRICAL DEMOLITION PLAN - 2



- LEGEND:**
- INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED).
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED).
 - INDICATES EXISTING GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES PROPOSED GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES EXISTING POWER PULLBOX.
 - INDICATES PROPOSED POWER PULLBOX.
 - INDICATES EXISTING FIBER PULLBOX.
 - INDICATES PROPOSED FIBER PULLBOX.
 - INDICATES EXISTING STEP LIGHT (120V, 5W LED).
 - INDICATES EXISTING STEP LIGHT REINSTALLED AT NEW LOCATION (120V, 5W LED).

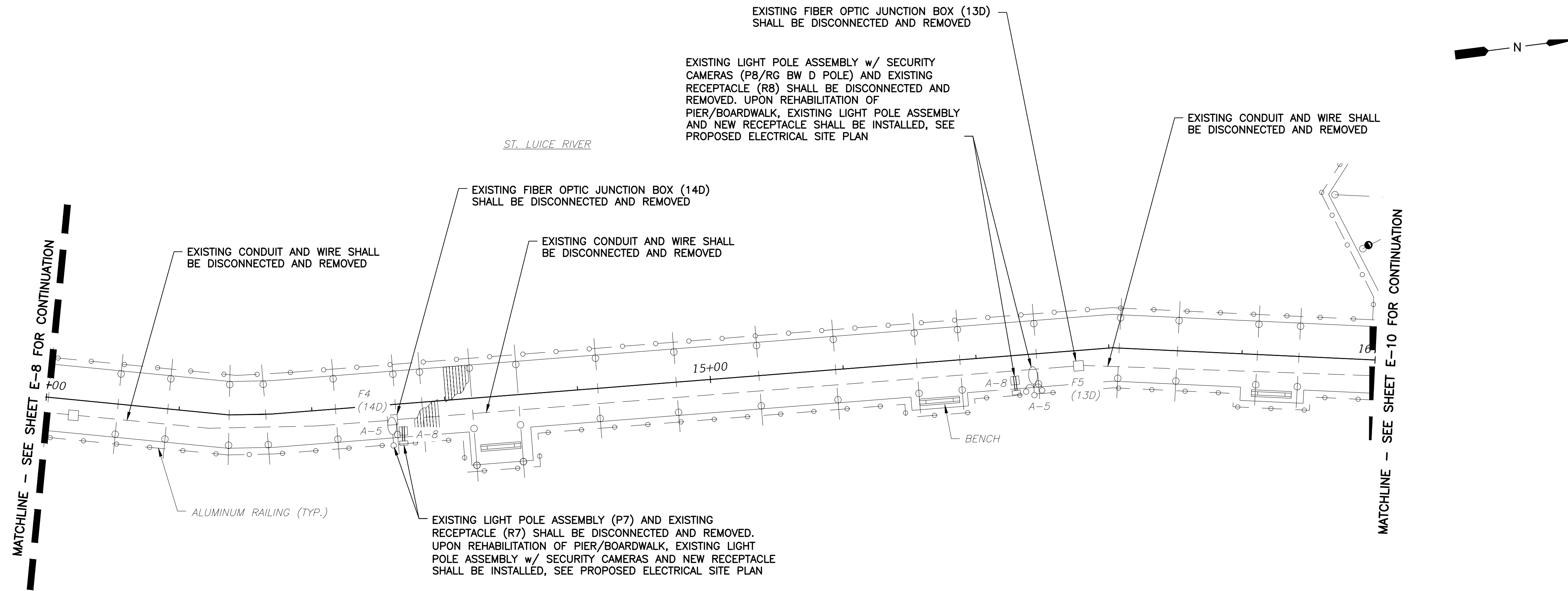


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 Florida P.E. No. 70851

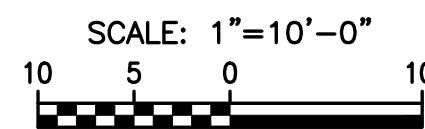
100% SUBMITTAL

REVISIONS						CITY OF PORT ST. LUCIE PARKS AND RECREATION	ELECTRICAL DEMOLITION PLAN - 2 RIVERWALK BOARDWALK REHABILITATION	SHEET NO. E-8
DATE	BY	DESCRIPTION	DATE	BY				
					JERRY MARCUS PICCOLO, P.E. P.E. LICENSE NUMBER 80484 1920 WEKIVA WAY, SUITE 200 WEST PALM BEACH, FL 33411 (561) 845-0665 REGISTRY NO. 35106			

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ELECTRICAL DEMOLITION PLAN - 3



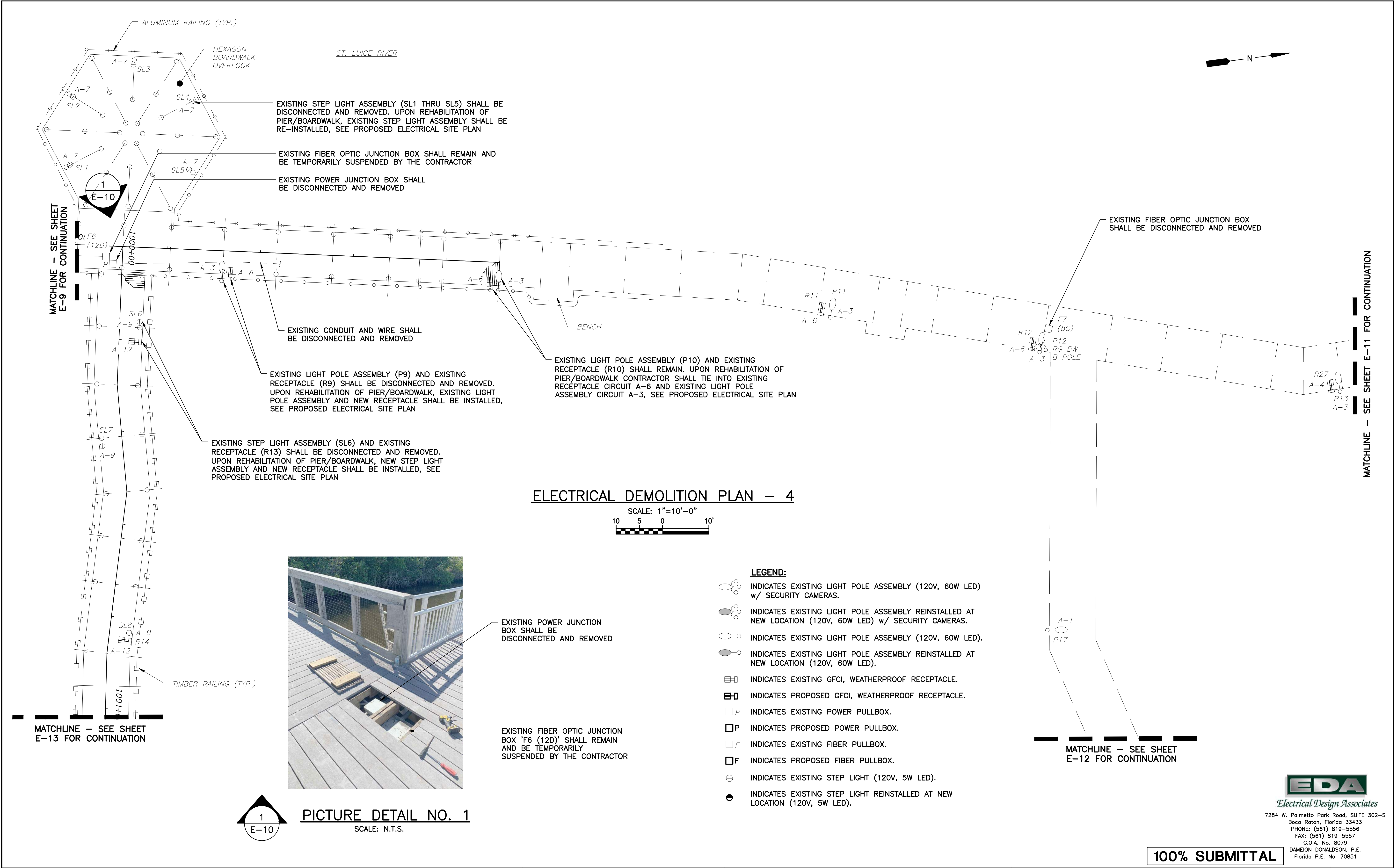
- LEGEND:**
- INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED).
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED).
 - INDICATES EXISTING GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES PROPOSED GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES EXISTING POWER PULLBOX.
 - INDICATES PROPOSED POWER PULLBOX.
 - INDICATES EXISTING FIBER PULLBOX.
 - INDICATES PROPOSED FIBER PULLBOX.
 - INDICATES EXISTING STEP LIGHT (120V, 5W LED).
 - INDICATES EXISTING STEP LIGHT REINSTALLED AT NEW LOCATION (120V, 5W LED).

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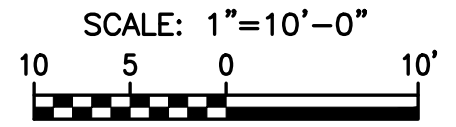
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DATE	BY	DESCRIPTION	DATE	BY				

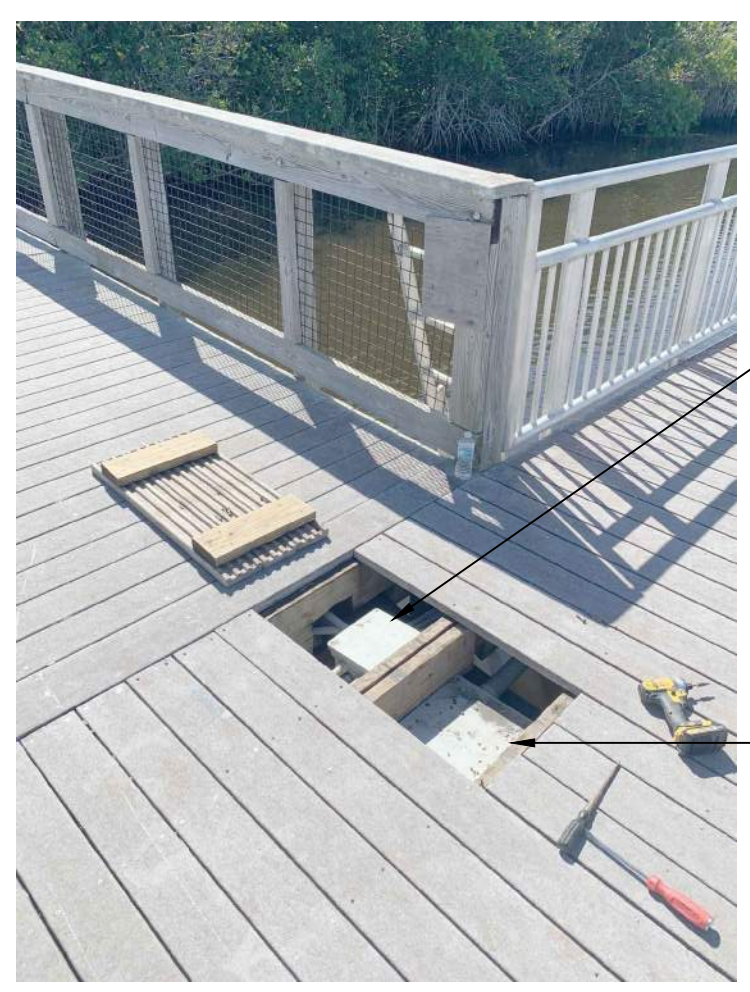
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ELECTRICAL DEMOLITION PLAN - 4



- LEGEND:**
- INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED).
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED).
 - INDICATES EXISTING GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES PROPOSED GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES EXISTING POWER PULLBOX.
 - INDICATES PROPOSED POWER PULLBOX.
 - INDICATES EXISTING FIBER PULLBOX.
 - INDICATES PROPOSED FIBER PULLBOX.
 - INDICATES EXISTING STEP LIGHT (120V, 5W LED).
 - INDICATES EXISTING STEP LIGHT REINSTALLED AT NEW LOCATION (120V, 5W LED).



1
E-10

PICTURE DETAIL NO. 1
SCALE: N.T.S.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Kimley»Horn

JERRY MARCUS PICCOLO, P.E.
P.E. LICENSE NUMBER 80484
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411
(561) 845-0665
REGISTRY NO. 35106

CITY OF PORT ST. LUCIE

PARKS AND RECREATION

ELECTRICAL DEMOLITION PLAN - 4

RIVERWALK BOARDWALK REHABILITATION

SHEET NO.

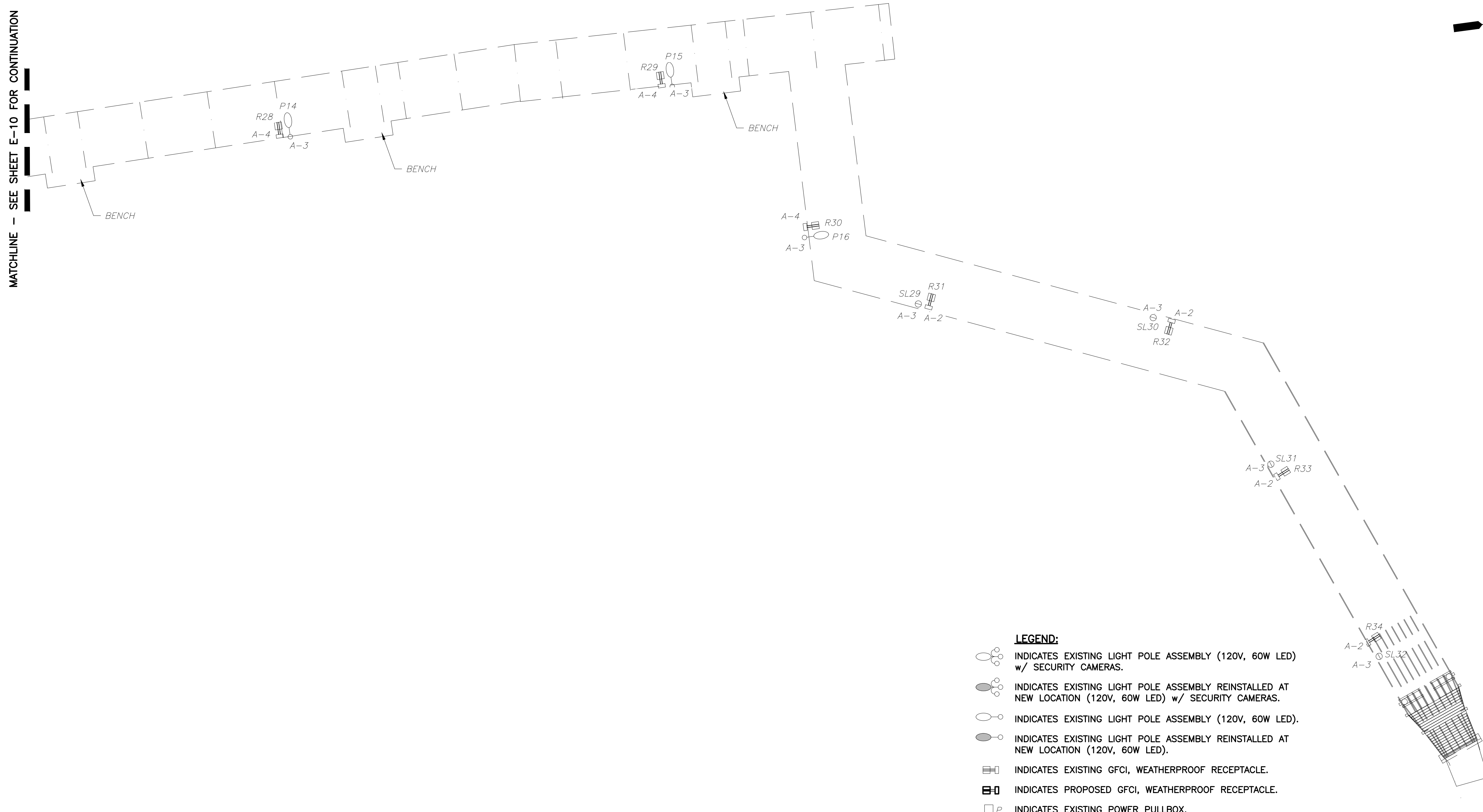
E-10

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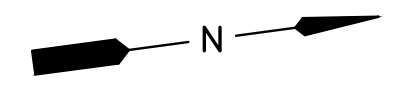
EDA
Electrical Design Associates
7284 W. Palmetto Park Road, SUITE 302-S
Boca Raton, Florida 33433
PHONE: (561) 819-5556
FAX: (561) 819-5557
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Florida P.E. No. 70851

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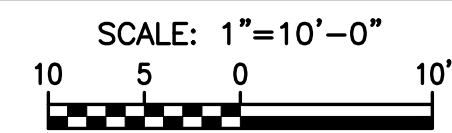
MATCHLINE - SEE SHEET E-10 FOR CONTINUATION



ST. LUCIE RIVER



ELECTRICAL DEMOLITION PLAN - 5



- LEGEND:**
- INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED).
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED).
 - INDICATES EXISTING GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES PROPOSED GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES EXISTING POWER PULLBOX.
 - INDICATES PROPOSED POWER PULLBOX.
 - INDICATES EXISTING FIBER PULLBOX.
 - INDICATES PROPOSED FIBER PULLBOX.
 - INDICATES EXISTING STEP LIGHT (120V, 5W LED).
 - INDICATES EXISTING STEP LIGHT REINSTALLED AT NEW LOCATION (120V, 5W LED).

FOR REFERENCE ONLY



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 C.O.A. No. 8079
 DAMEION DONALDSON, P.E.
 Florida P.E. No. 70851

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Kimley»Horn

JERRY MARCUS PICCOLO, P.E.
 P.E. LICENSE NUMBER 80484
 1920 WEKIVA WAY, SUITE 200
 WEST PALM BEACH, FL 33411
 (561) 845-0665
 REGISTRY NO. 35106

CITY OF PORT ST. LUCIE

PARKS AND RECREATION

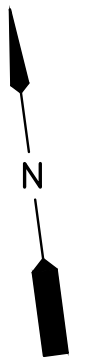
ELECTRICAL DEMOLITION PLAN - 5

RIVERWALK BOARDWALK REHABILITATION

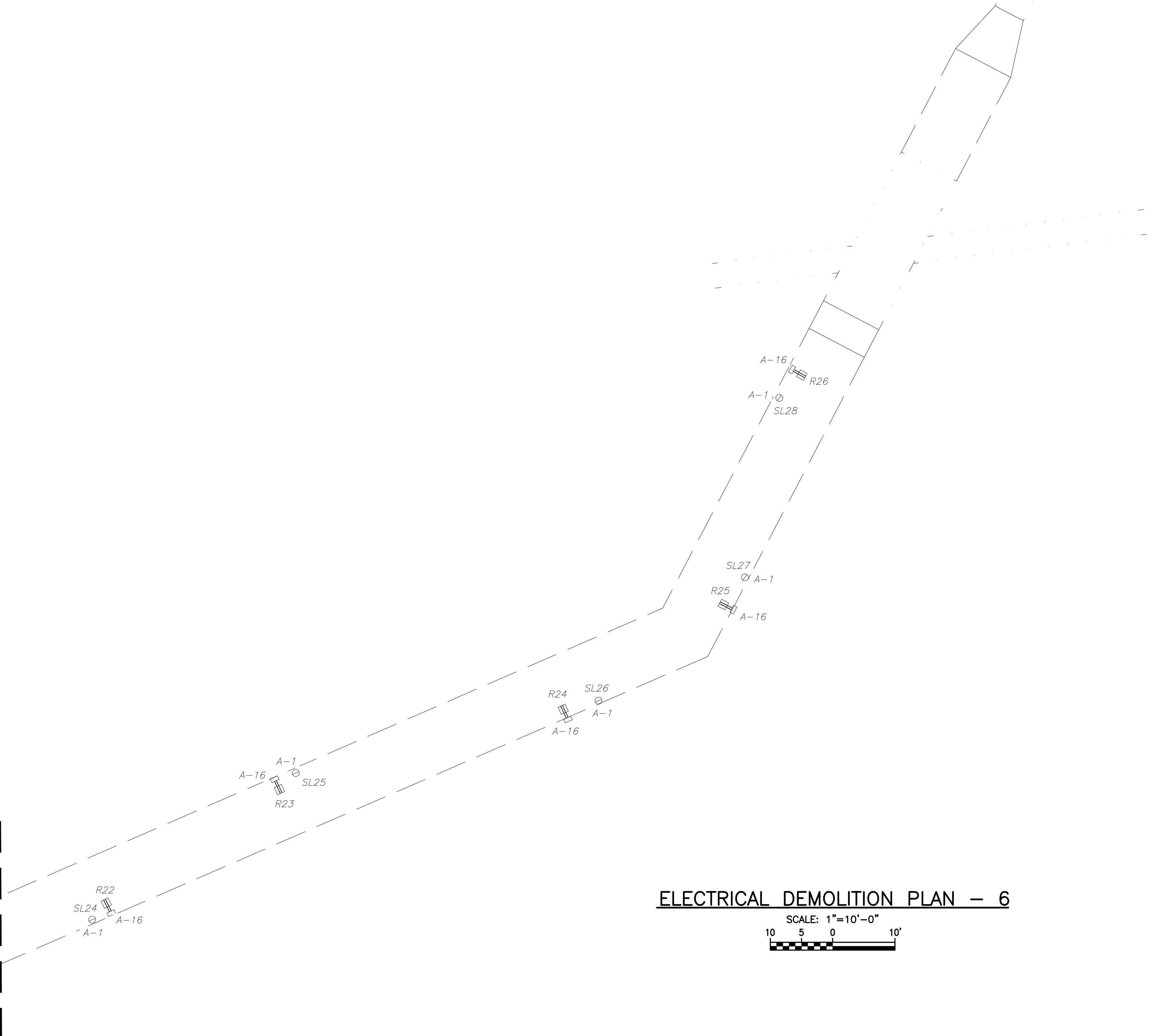
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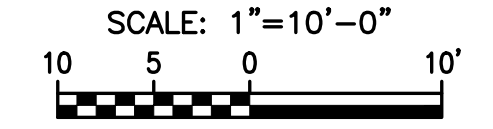
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MATCHLINE - SEE SHEET E-10 FOR CONTINUATION



ELECTRICAL DEMOLITION PLAN - 6



- LEGEND:**
- INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED).
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED).
 - INDICATES EXISTING GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES PROPOSED GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES EXISTING POWER PULLBOX.
 - INDICATES PROPOSED POWER PULLBOX.
 - INDICATES EXISTING FIBER PULLBOX.
 - INDICATES PROPOSED FIBER PULLBOX.
 - INDICATES EXISTING STEP LIGHT (120V, 5W LED).
 - INDICATES EXISTING STEP LIGHT REINSTALLED AT NEW LOCATION (120V, 5W LED).

FOR REFERENCE ONLY



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 FAX: (561) 819-5557
 C.O.A. No. 8079
 DAMEION DONALDSON, P.E.
 Florida P.E. No. 70851

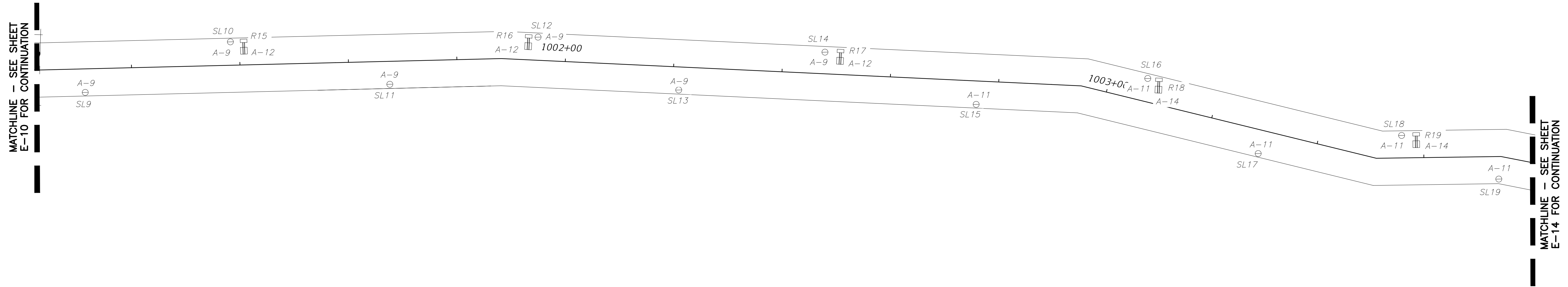
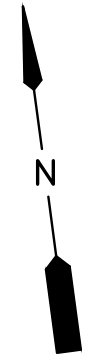
100% SUBMITTAL

R E V I S I O N S					Kimley»Horn	CITY OF PORT ST. LUCIE	ELECTRICAL DEMOLITION PLAN - 6	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY				
						PARKS AND RECREATION	RIVERWALK BOARDWALK REHABILITATION	E-12

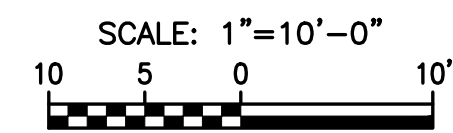
Kimley»Horn

JERRY MARCUS PICCOLO, P.E.
 P.E. LICENSE NUMBER 80484
 1920 WEKIVA WAY, SUITE 200
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 (561) 845-0665
 REGISTRY NO. 35106

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ELECTRICAL DEMOLITION PLAN - 7



- LEGEND:**
- INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED).
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED).
 - INDICATES EXISTING GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES PROPOSED GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES EXISTING POWER PULLBOX.
 - INDICATES PROPOSED POWER PULLBOX.
 - INDICATES EXISTING FIBER PULLBOX.
 - INDICATES PROPOSED FIBER PULLBOX.
 - INDICATES EXISTING STEP LIGHT (120V, 5W LED).
 - INDICATES EXISTING STEP LIGHT REINSTALLED AT NEW LOCATION (120V, 5W LED).

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 Florida P.E. No. 70851

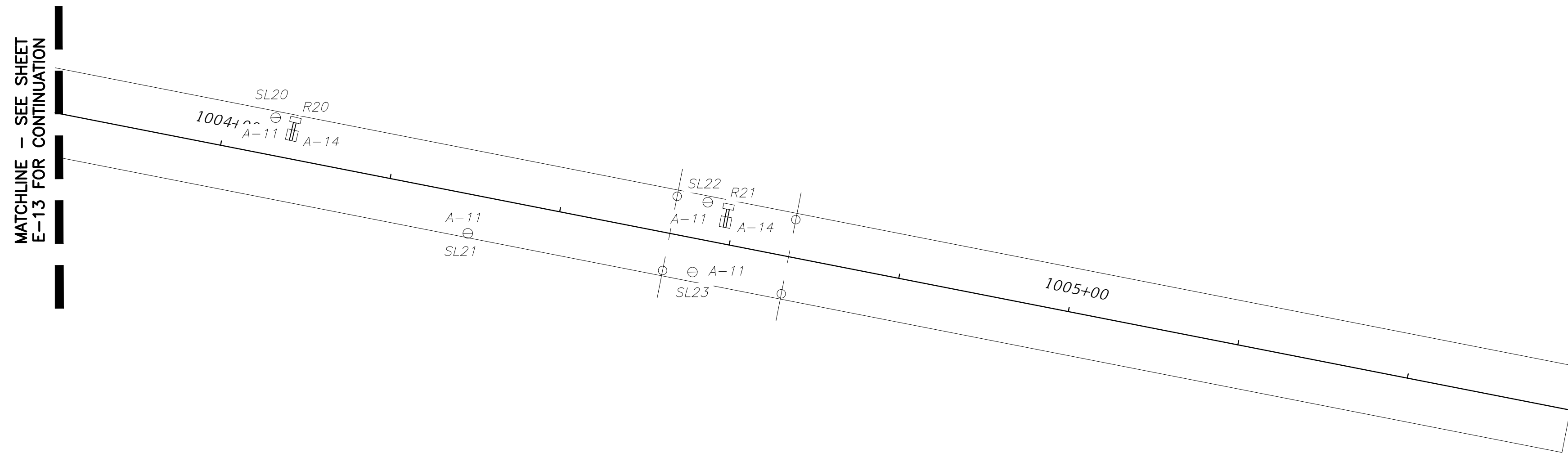
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REVISIONS						CITY OF PORT ST. LUCIE PARKS AND RECREATION	ELECTRICAL DEMOLITION PLAN - 7 RIVERWALK BOARDWALK REHABILITATION	SHEET NO. E-13
DATE	BY	DESCRIPTION	DATE	BY				

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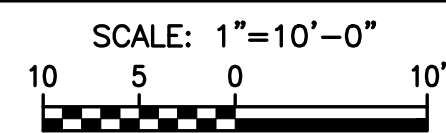
JERRY MARCUS PICCOLO, P.E.
 P.E. LICENSE NUMBER 80484
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- LEGEND:**
- INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED).
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED).
 - INDICATES EXISTING GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES PROPOSED GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES EXISTING POWER PULLBOX.
 - INDICATES PROPOSED POWER PULLBOX.
 - INDICATES EXISTING FIBER PULLBOX.
 - INDICATES PROPOSED FIBER PULLBOX.
 - INDICATES EXISTING STEP LIGHT (120V, 5W LED).
 - INDICATES EXISTING STEP LIGHT REINSTALLED AT NEW LOCATION (120V, 5W LED).

ELECTRICAL DEMOLITION PLAN - 8



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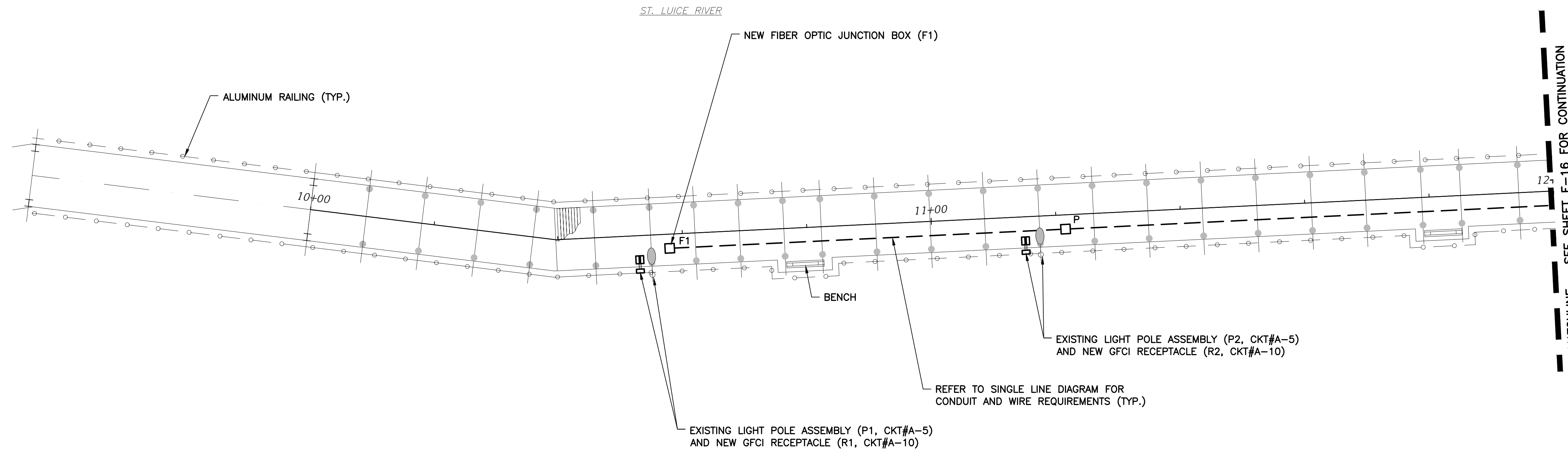
Electrical Design Associates
 7284 W. Palmetto Park Road, SUITE 302-S
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 PHONE: (561) 819-5556
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 Florida P.E. No. 70851

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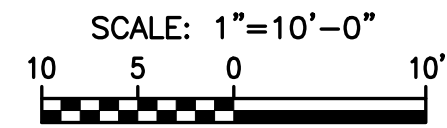
R E V I S I O N S					Kimley»Horn	CITY OF PORT ST. LUCIE	ELECTRICAL DEMOLITION PLAN - 8	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY				
						PARKS AND RECREATION	RIVERWALK BOARDWALK REHABILITATION	E-14

JERRY MARCUS PICCOLO, P.E.
 P.E. LICENSE NUMBER 80484
 1920 WEKIVA WAY, SUITE 200
 WEST PALM BEACH, FL 33411
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 REGISTRY NO. 35106

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PROPOSED ELECTRICAL PLAN - 1



LEGEND:

- INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED) w/ SECURITY CAMERAS.
- INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED) w/ SECURITY CAMERAS.
- INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED).
- INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED).
- INDICATES EXISTING GFCI, WEATHERPROOF RECEPTACLE.
- INDICATES PROPOSED GFCI, WEATHERPROOF RECEPTACLE.
- INDICATES EXISTING POWER PULLBOX.
- INDICATES PROPOSED POWER PULLBOX.
- INDICATES EXISTING FIBER PULLBOX.
- INDICATES PROPOSED FIBER PULLBOX.
- INDICATES EXISTING STEP LIGHT (120V, 5W LED).
- INDICATES EXISTING STEP LIGHT REINSTALLED AT NEW LOCATION (120V, 5W LED).

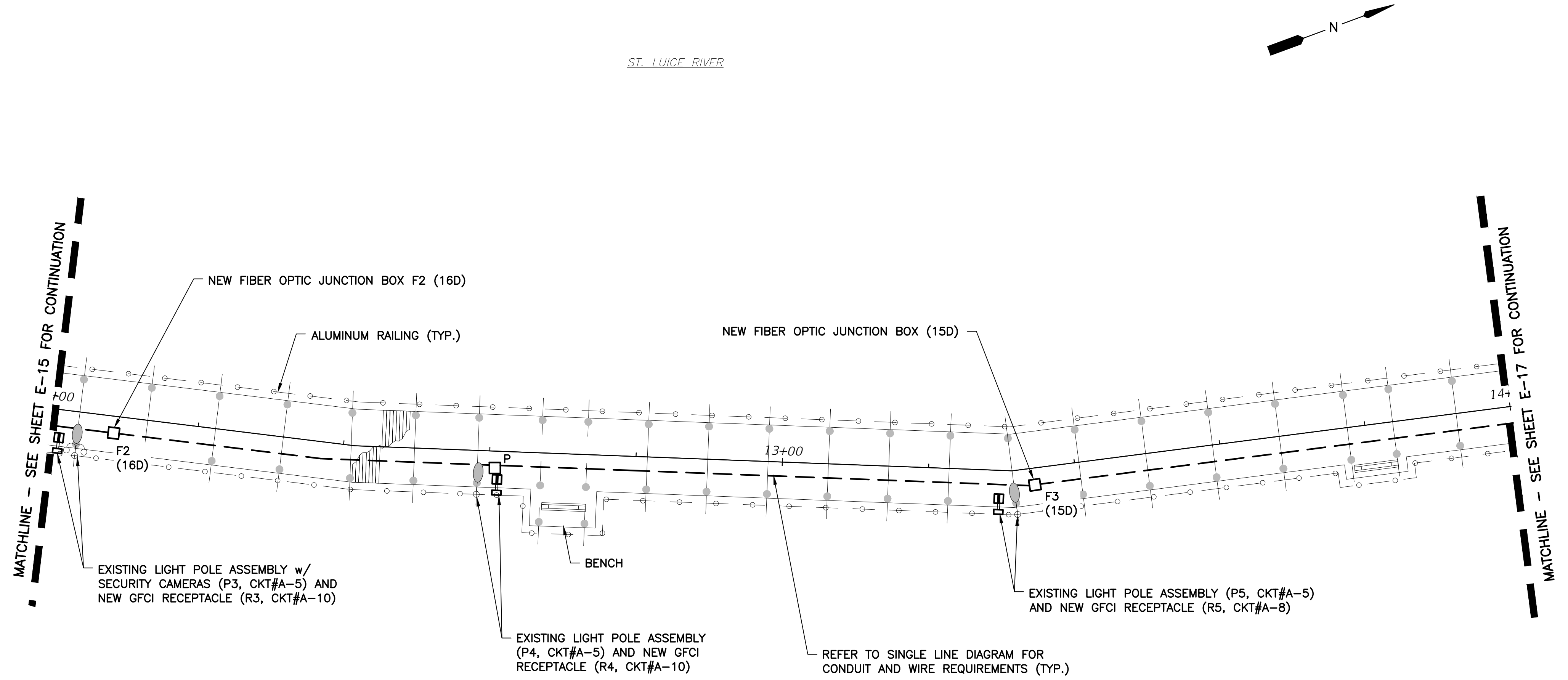


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 C.O.A. No. 8079
 DAMEION DONALDSON, P.E.
 Florida P.E. No. 70851

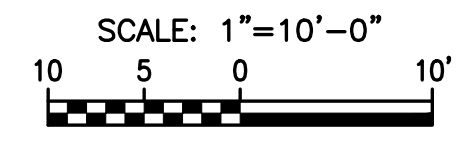
100% SUBMITTAL

R E V I S I O N S						Kimley»Horn	CITY OF PORT ST. LUCIE	PROPOSED ELECTRICAL PLAN - 1	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				
						JERRY MARCUS PICCOLO, P.E. P.E. LICENSE NUMBER 80484 1920 WEKIVA WAY, SUITE 200 WEST PALM BEACH, FL 33411 (561) 845-0665 REGISTRY NO. 35106	PARKS AND RECREATION	RIVERWALK BOARDWALK REHABILITATION	E-15

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PROPOSED ELECTRICAL PLAN - 2



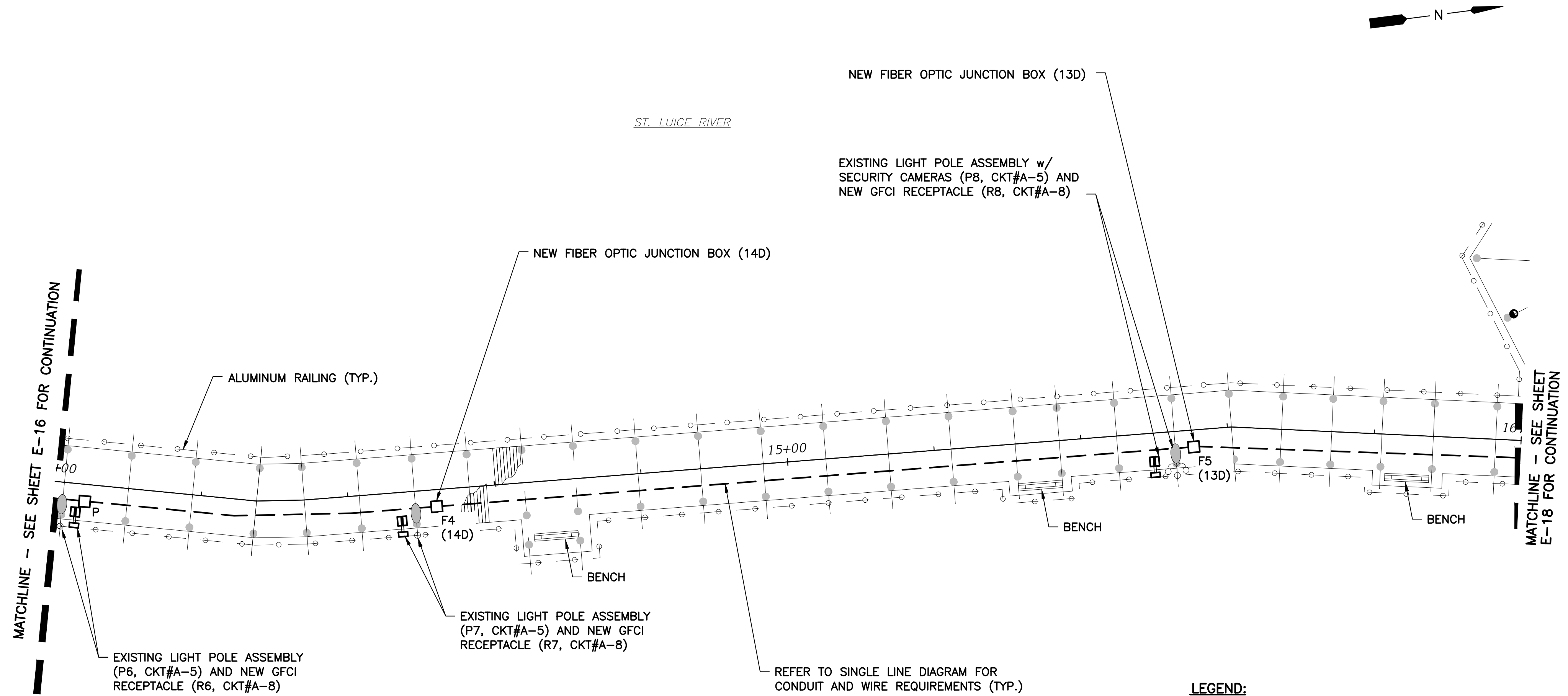
- LEGEND:**
- INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED).
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED).
 - INDICATES EXISTING GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES PROPOSED GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES EXISTING POWER PULLBOX.
 - INDICATES PROPOSED POWER PULLBOX.
 - INDICATES EXISTING FIBER PULLBOX.
 - INDICATES PROPOSED FIBER PULLBOX.
 - INDICATES EXISTING STEP LIGHT (120V, 5W LED).
 - INDICATES EXISTING STEP LIGHT REINSTALLED AT NEW LOCATION (120V, 5W LED).

EDA
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 Florida P.E. No. 70851

100% SUBMITTAL

REVISIONS						CITY OF PORT ST. LUCIE PARKS AND RECREATION	PROPOSED ELECTRICAL PLAN - 2 RIVERWALK BOARDWALK REHABILITATION	SHEET NO. E-16
DATE	BY	DESCRIPTION	DATE	BY				
					JERRY MARCUS PICCOLO, P.E. P.E. LICENSE NUMBER 80484 1920 WEKIVA WAY, SUITE 200 WEST PALM BEACH, FL 33411 (561) 845-0665 REGISTRY NO. 35106			

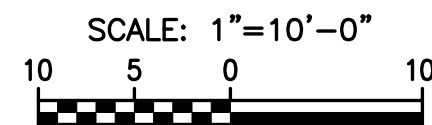
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



LEGEND:

- INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED) w/ SECURITY CAMERAS.
- INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED) w/ SECURITY CAMERAS.
- INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED).
- INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED).
- INDICATES EXISTING GFCI, WEATHERPROOF RECEPTACLE.
- INDICATES PROPOSED GFCI, WEATHERPROOF RECEPTACLE.
- INDICATES EXISTING POWER PULLBOX.
- INDICATES PROPOSED POWER PULLBOX.
- INDICATES EXISTING FIBER PULLBOX.
- INDICATES PROPOSED FIBER PULLBOX.
- INDICATES EXISTING STEP LIGHT (120V, 5W LED).
- INDICATES EXISTING STEP LIGHT REINSTALLED AT NEW LOCATION (120V, 5W LED).

PROPOSED ELECTRICAL PLAN - 3

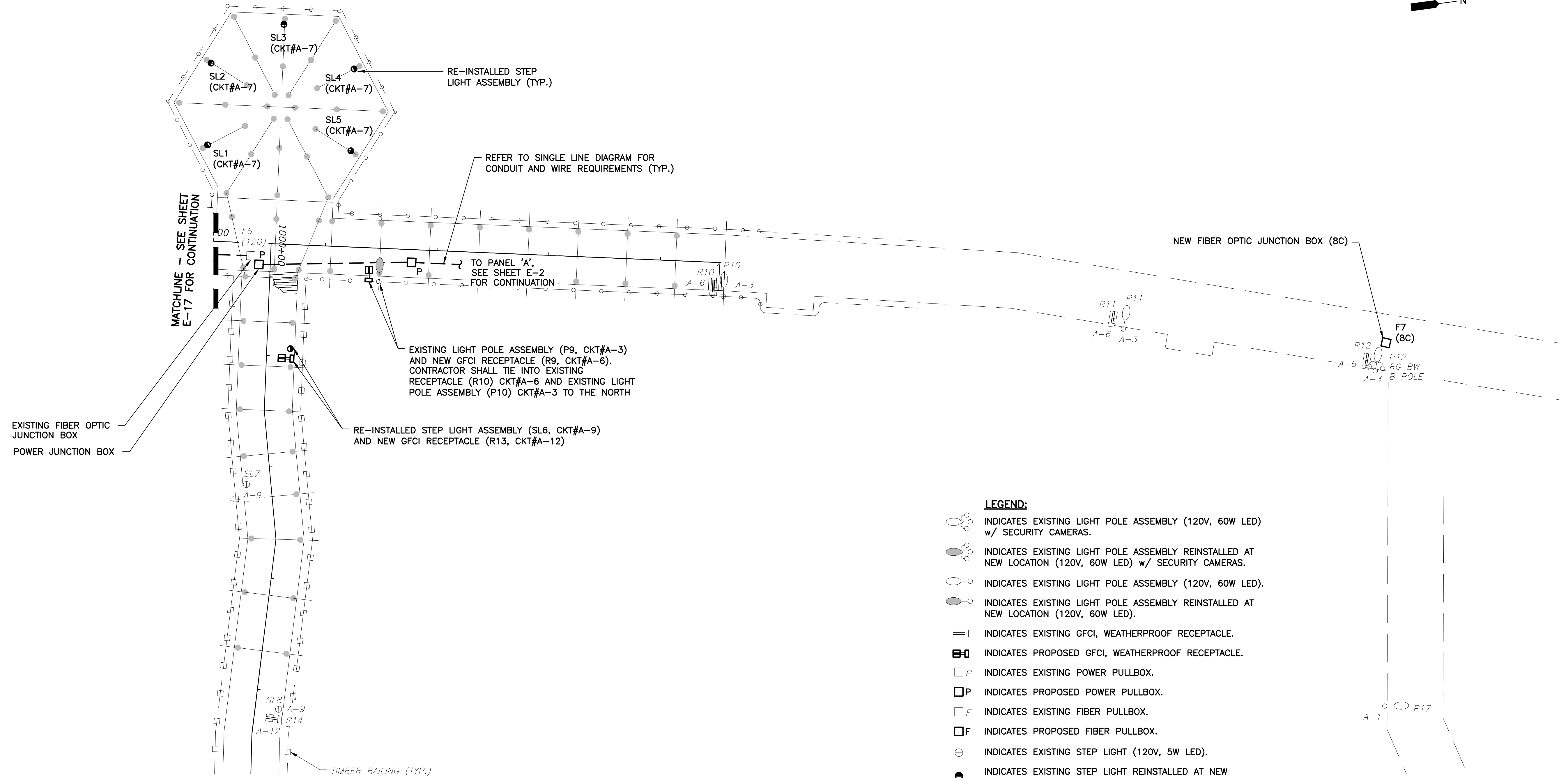
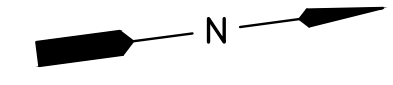


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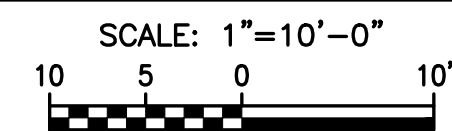
REVISIONS						CITY OF PORT ST. LUCIE PARKS AND RECREATION	PROPOSED ELECTRICAL PLAN - 3 RIVERWALK BOARDWALK REHABILITATION	SHEET NO. E-17
DATE	BY	DESCRIPTION	DATE	BY				
					JERRY MARCUS PICCOLO, P.E. P.E. LICENSE NUMBER 80484 1920 WEKIVA WAY, SUITE 200 WEST PALM BEACH, FL 33411 (561) 845-0665 REGISTRY NO. 35106			

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- LEGEND:**
- INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED) w/ SECURITY CAMERAS.
 - INDICATES EXISTING LIGHT POLE ASSEMBLY (120V, 60W LED).
 - INDICATES EXISTING LIGHT POLE ASSEMBLY REINSTALLED AT NEW LOCATION (120V, 60W LED).
 - INDICATES EXISTING GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES PROPOSED GFCI, WEATHERPROOF RECEPTACLE.
 - INDICATES EXISTING POWER PULLBOX.
 - INDICATES PROPOSED POWER PULLBOX.
 - INDICATES EXISTING FIBER PULLBOX.
 - INDICATES PROPOSED FIBER PULLBOX.
 - INDICATES EXISTING STEP LIGHT (120V, 5W LED).
 - INDICATES EXISTING STEP LIGHT REINSTALLED AT NEW LOCATION (120V, 5W LED).

PROPOSED ELECTRICAL PLAN — 4



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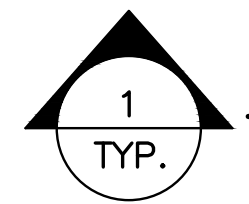
100% SUBMITTAL

REVISIONS						Kimley»Horn	CITY OF PORT ST. LUCIE	PROPOSED ELECTRICAL PLAN - 4	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				
						JERRY MARCUS PICCOLO, P.E. P.E. LICENSE NUMBER 80484 1920 WEKIVA WAY, SUITE 200 WEST PALM BEACH, FL 33411 (561) 845-0665 REGISTRY NO. 35106	PARKS AND RECREATION	RIVERWALK BOARDWALK REHABILITATION	E-18

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EXISTING LIGHT
FIXTURE
ASSEMBLY



1
EXISTING LIGHT POLE ASSEMBLY
PICTURE DETAIL

SCALE: N.T.S.

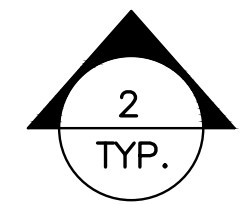


EXISTING LIGHT FIXTURE

EXISTING SECURITY CAMERAS

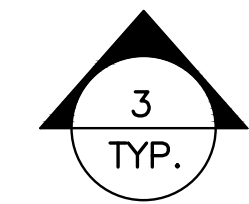
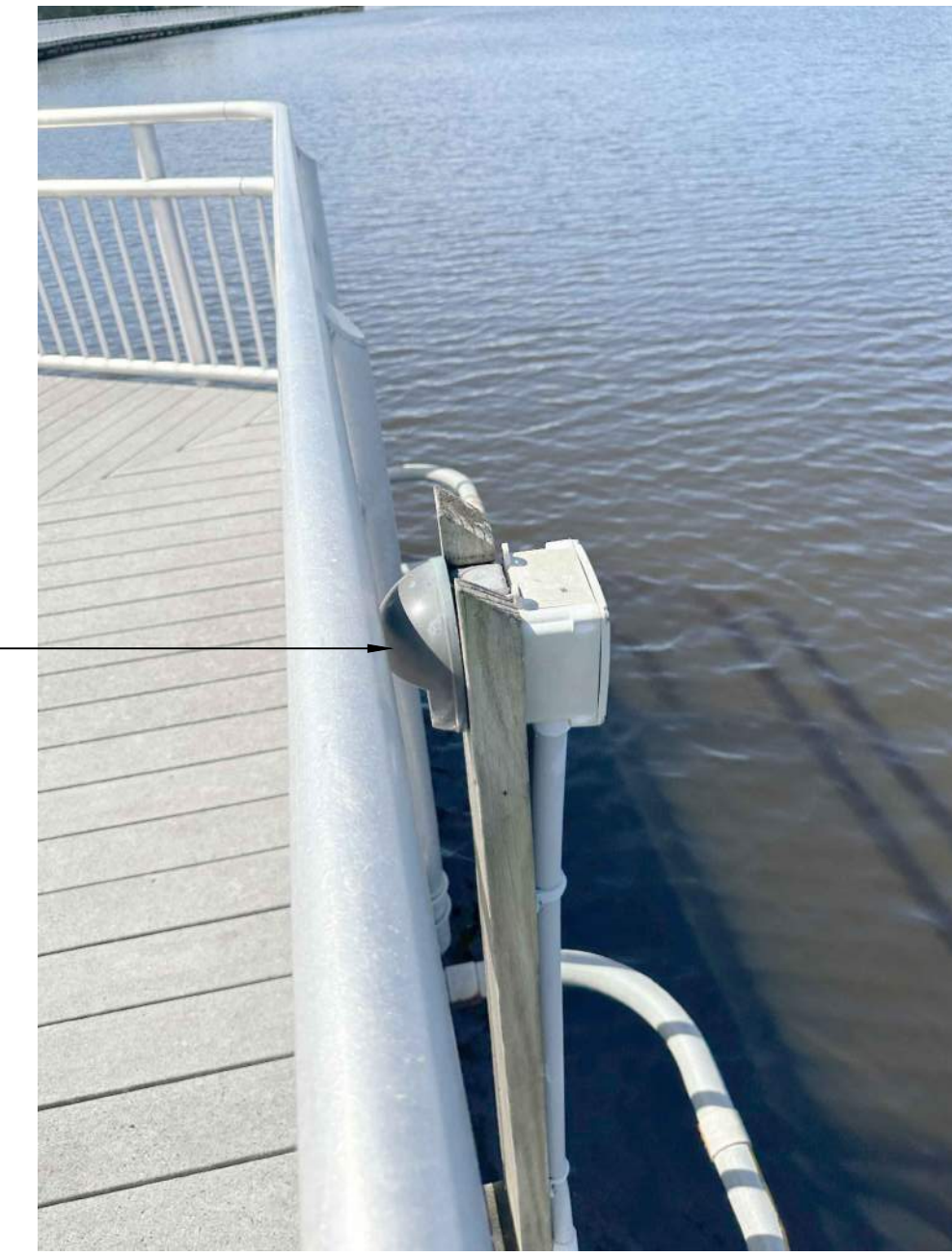
EXISTING STEP LIGHT

EXISTING SECURITY CAMERA
INTERFACE BOX



2
EXISTING LIGHT POLE ASSEMBLY w/
SECURITY CAMERAS PICTURE DETAIL

SCALE: N.T.S.



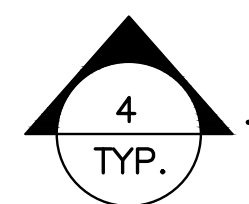
3
EXISTING STEP LIGHT
PICTURE DETAIL

SCALE: N.T.S.



EXISTING LIGHT
POLE BASE

EXISTING RECEPTACLE

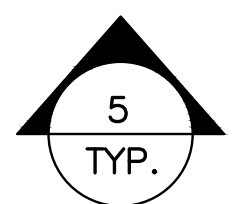


4
EXISTING LIGHT POLE ASSEMBLY
BASE PICTURE DETAIL

SCALE: N.T.S.

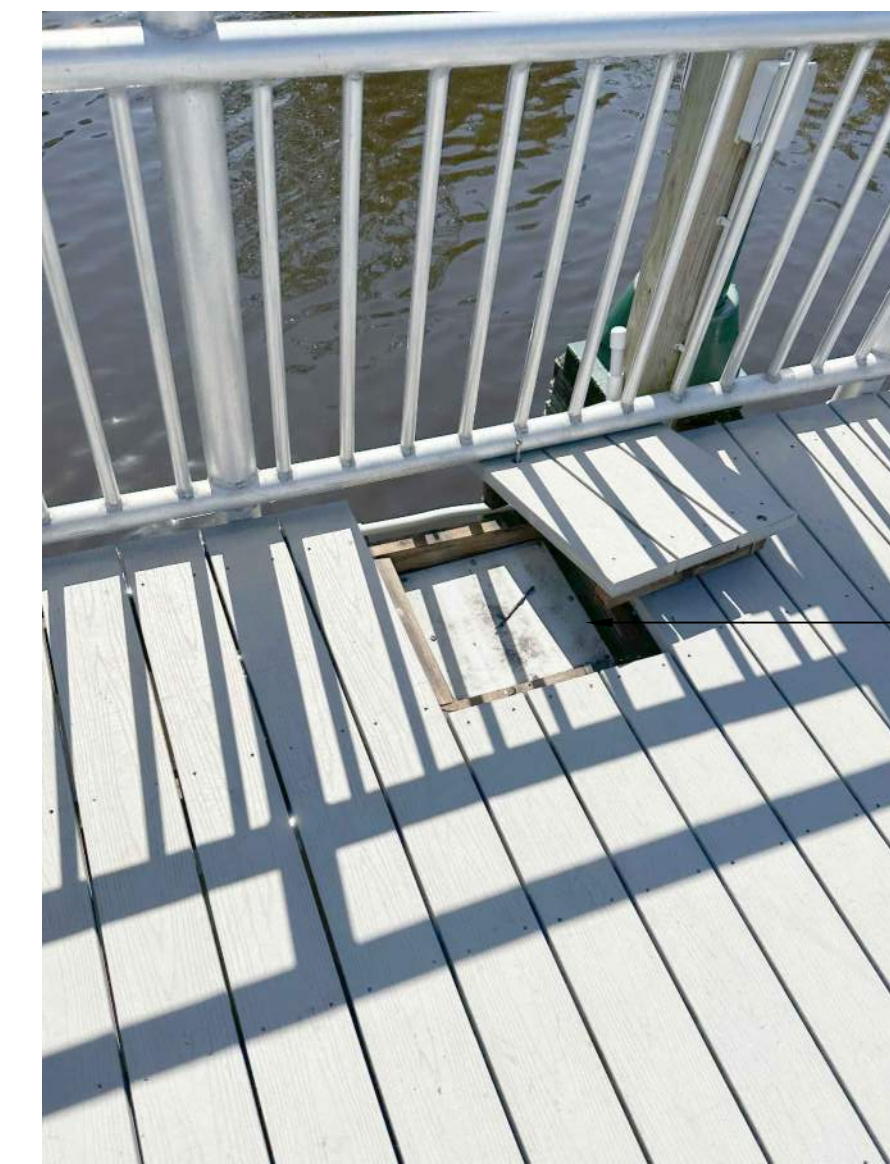


EXISTING RECEPTACLE

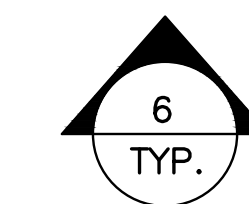


5
EXISTING RECEPTACLE
PICTURE DETAIL

SCALE: N.T.S.



EXISTING PULL BOX



6
EXISTING PULL BOX
PICTURE DETAIL

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Kimley»Horn

JERRY MARCUS PICCOLO, P.E.
P.E. LICENSE NUMBER 80484
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411
(561) 845-0665
REGISTRY NO. 35106

CITY OF PORT ST. LUCIE

PARKS AND RECREATION

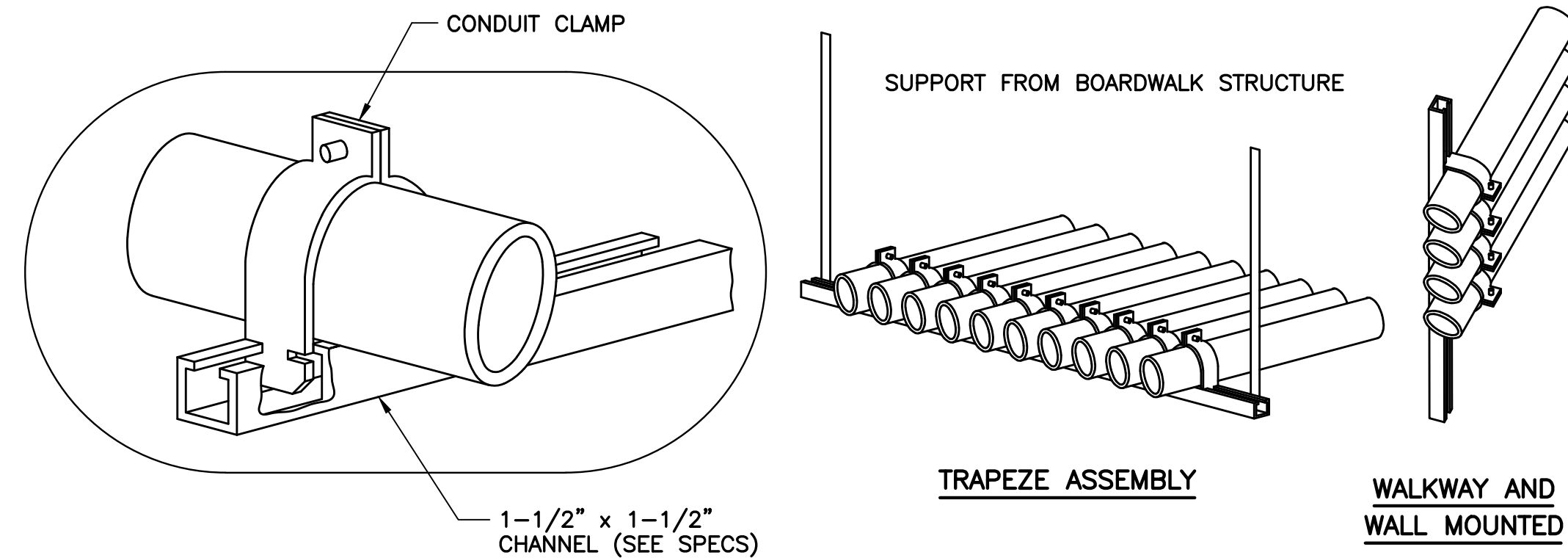
ELECTRICAL PICTURE DETAILS

RIVERWALK BOARDWALK
REHABILITATION

SHEET
NO.

E-19

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NOTES:
 ① ALL MOUNTING HARDWARE SHALL BE 316 SS, UNLESS OTHERWISE NOTED.

REFER TO SHEETS
S-22 & S-23
 FOR ADDITIONAL
ELECTRICAL DETAILS

1
 TYP.

CONDUIT PIPE STRAP MOUNTING DETAILS

N.T.S.



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REVISIONS					Kimley»Horn <small>JERRY MARCUS PICCOLO, P.E. P.E. LICENSE NUMBER 80484 1920 WEKIVA WAY, SUITE 200 WEST PALM BEACH, FL 33411 (561) 845-0665 REGISTRY NO. 35106</small>	CITY OF PORT ST. LUCIE PARKS AND RECREATION	ELECTRICAL DETAILS RIVERWALK BOARDWALK REHABILITATION	SHEET NO. E-20
DATE	BY	DESCRIPTION	DATE	BY				