



May 22, 2018

Ms. Cindy Mulkey  
Program Administrator  
Office of Siting Coordination  
Department of Environmental Protection  
2600 Blair Stone Road, MS#5500  
Tallahassee, FL 32399-2400

**Re:       Amendment of Site Certification Application**  
**FPL St. Lucie Plant Units 1 and 2 (PA74-02)**  
**Installation Security BBRE Enclosures and Gate**

Dear Ms. Mulkey:

Pursuant to rule 62-17.205(1)(A), Florida Administrative Code (F.A.C.), please accept this letter and the attachments as a post-certification amendment to the Florida Power & Light Company (FPL) Site Certification Application (SCA) for St. Lucie Plant Unit 1 and 2 (PA74-02). The purpose of this amendment request is to obtain approval for two proposed projects at the subject facility: 1) installation of foundation leveling slabs, foundation blocks, and elevated Bullet and Blast Resistant Enclosures (BBRE) and 2) installation of a new delay gate. The project area is within the Owner Controlled Area which was previously filled and developed as part of the original construction of the certified facility. Attachment 1 is a copy of the plant Site Certified Area Boundary Plan.

*Installation of BBREs*

The elevated enclosures will be placed on foundation blocks which will be placed on leveled ground or a poured concrete leveling slab. The proposed location of these security enclosures is shown on Attachment 2. An example of the type of structure that will be installed is provided on Attachment 3. The installation of these elevated enclosures will require minimal earthwork with all work performed in accordance with Plant requirements.

*Installation of delay gate*

The delay gate location is shown on Attachment 4. The areas are currently stabilized by gravel, asphalt, or concrete ground cover, which will not be disturbed by installation of the barriers. Attachment 5 provides a detailed view of the proposed gate and Attachment 6 includes photos of a similar fence installed at another facility.

The St. Lucie Plant will continue to meet the requirements of its NPDES Permit No. FL0002208. The project area is within the drainage area of the site stormwater management evaporation/percolation basin system which collects runoff from the entire site with no direct discharge to offsite. There is however, a procedurally controlled discharge permitted by NPDES Permit No. FL0002208, Outfall I-008. The discharge is only activated after required sampling and testing to draw down the water level to ensure adequate storage volume is available for rainfall

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events. Therefore, this project does not require modification of the existing stormwater management system.

The stormwater quality, quantity, and hydrologic changes thereto will be minimized during construction by implementation of erosion controls and Best Management Practices (BMPs). Where removal of existing groundcover is required for leveling, silt fence will be installed to prevent erosion during earth disturbance activities.

Thank you for your attention to and consideration of FPL's request to amend the Site Certification for the St. Lucie Plant. If you have any questions regarding this submittal, please do not hesitate to contact me at 561-691-2209.

Sincerely,  
Florida Power & Light Company



Jena S. Mier  
Environmental Services Manager

cc: Ann Seiler, SCO  
Spike English, FPL  
Glenn Andrews, FPL  
Vince Munne, FPL

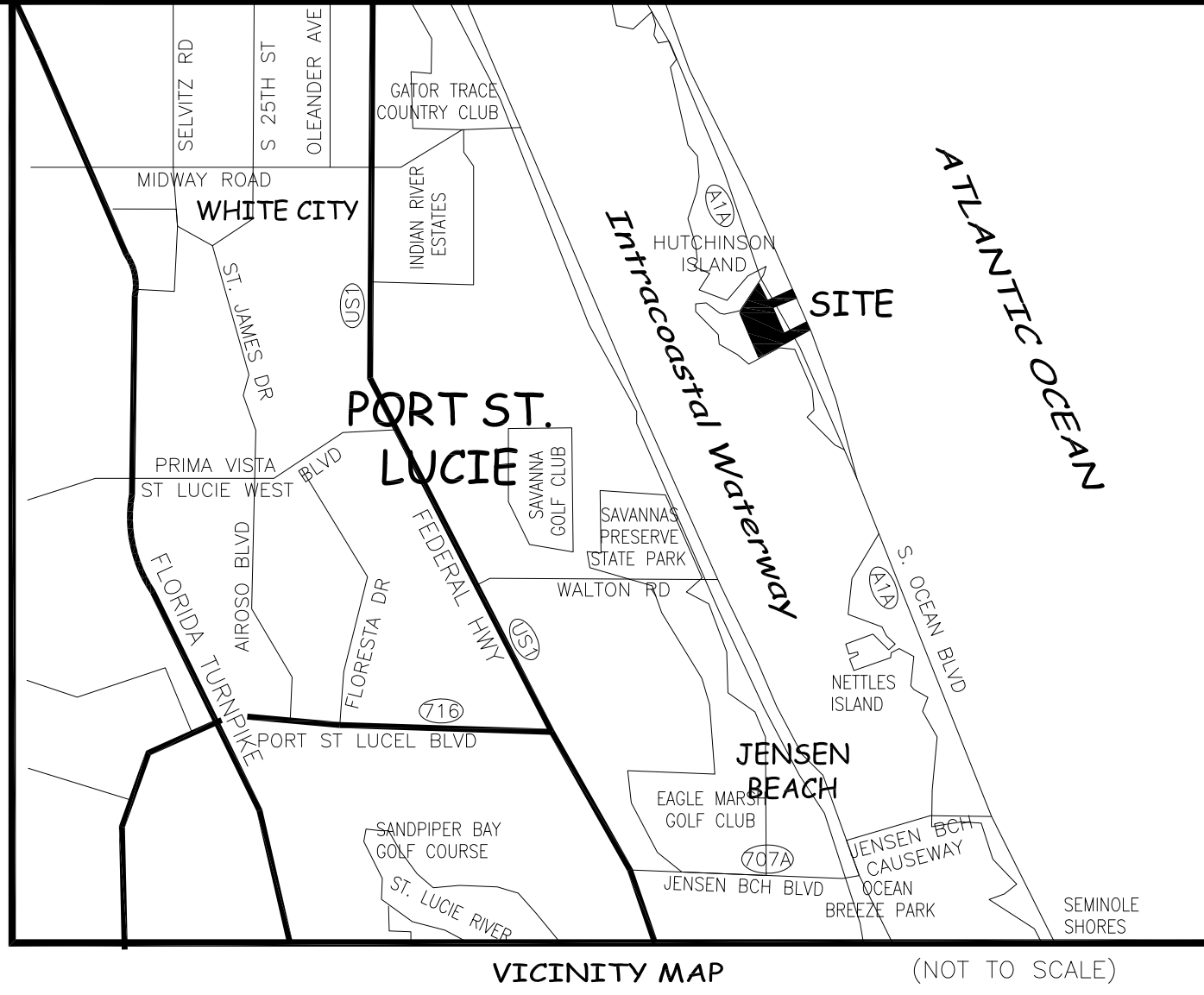
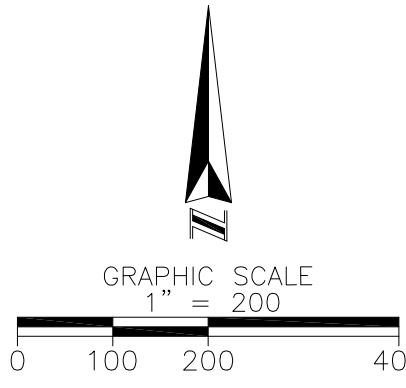
## **ATTACHMENT 1**

Specific Purpose Survey for:  
**The Florida Power & Light Company**

PORT ST. LUCIE, ST LUCIE COUNTY, FLORIDA.  
Sections 9 & 16, Township 36 South, Range 41 East



| LINE TABLE |         |             | LINE TABLE |         |             | CURVE TABLE |        |        |                 |                    |
|------------|---------|-------------|------------|---------|-------------|-------------|--------|--------|-----------------|--------------------|
| LINE       | LENGTH  | BEARING     | LINE       | LENGTH  | BEARING     | Curve       | Length | Radius | Chord Direction | Length/Delta       |
| L1         | 784.66  | N60°50'06"E | L22        | 89.91   | N58°25'27"W | C1          | 746.32 | 475.00 | S74°05'58"E     | 671.89 / 90°01'22" |
| L2         | 100.05  | N47°14'45"E | L23        | 37.63   | N16°25'08"W |             |        |        |                 |                    |
| L3         | 360.31  | N60°15'57"E | L24        | 125.32  | N16°09'16"E |             |        |        |                 |                    |
| L4         | 377.19  | S24°26'04"E | L25        | 250.28  | N61°17'44"E |             |        |        |                 |                    |
| L5         | 105.10  | S40°10'10"W | L26        | 145.78  | N24°24'34"W |             |        |        |                 |                    |
| L6         | 978.85  | S61°43'55"W | L27        | 71.69   | N25°43'11"E |             |        |        |                 |                    |
| L7         | 40.99   | N29°21'06"W | L28        | 81.65   | N18°31'49"E |             |        |        |                 |                    |
| L8         | 84.28   | S60°59'17"W | L29        | 152.80  | N00°02'32"W |             |        |        |                 |                    |
| L9         | 399.26  | S60°59'17"W | L30        | 311.58  | N58°30'53"E |             |        |        |                 |                    |
| L10        | 50.00   | S51°25'23"W | L31        | 105.71  | S29°57'31"E |             |        |        |                 |                    |
| L11        | 1070.94 | S60°55'21"W | L32        | 742.24  | N60°02'09"E |             |        |        |                 |                    |
| L12        | 729.93  | N29°03'17"W | L33        | 887.96  | S29°05'51"E |             |        |        |                 |                    |
| L13        | 110.00  | N26°33'47"W | L34        | 1456.34 | N69°38'44"E |             |        |        |                 |                    |
| L14        | 1093.93 | N28°48'31"W | L35        | 99.36   | S66°47'51"E |             |        |        |                 |                    |
| L15        | 411.70  | S60°56'00"W | L36        | 64.12   | S30°03'12"E |             |        |        |                 |                    |
| L16        | 360.59  | N29°03'13"W | L37        | 233.71  | S07°08'11"W |             |        |        |                 |                    |
| L17        | 308.34  | N61°01'42"E | L38        | 222.22  | S23°43'38"E |             |        |        |                 |                    |
| L18        | 132.28  | N28°58'18"W | L39        | 283.09  | S60°38'44"W |             |        |        |                 |                    |
| L19        | 87.86   | N29°49'11"E | L40        | 288.49  | N28°10'57"W |             |        |        |                 |                    |
| L20        | 304.93  | N16°08'17"E | L41        | 1080.74 | S61°08'54"E |             |        |        |                 |                    |
| L21        | 136.91  | N60°46'23"E | L42        | 810.59  | S29°05'51"E |             |        |        |                 |                    |



**DESCRIPTION of PERIMETER**

COMMENCING AT THE POINT OF CURVATURE OF A CURVE AT STATION 374+18.40 PER FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP SECTION NO. 9405-107, OF STATE ROAD A-1-A, ST. LUCIE COUNTY FLORIDA, WITH A REVISION DATE OF 8-8-56; THENCE SOUTH 58°04'09"W, A DISTANCE OF 50.00 FEET TO THE WEST RIGHT OF WAY LINE OF STATE ROAD A-1-A; THENCE ALONG SAID WEST RIGHT OF WAY LINE S29°05'51"E, A DISTANCE OF 6.86 FEET TO THE POINT OF BEGINNING OF THIS DESCRIPTION; THENCE CONTINUING ALONG SAID WESTERLY RIGHT OF WAY LINE, PROCEED A DISTANCE OF 887.96 FEET TO A POINT; THENCE DEPARTING SAID WESTERLY RIGHT OF WAY OF STATE ROAD A-1-A, PROCEED FOR THE FOLLOWING EIGHT (8) COURSES;

THENCE NORTH 60°38'44" EAST, FOR A DISTANCE OF 1456.34 FEET;  
THENCE SOUTH 58°47'51" EAST, FOR A DISTANCE OF 99.36 FEET;  
THENCE SOUTH 50°03'12" EAST, FOR A DISTANCE OF 64.12 FEET;  
THENCE SOUTH 07°08'11" WEST, FOR A DISTANCE OF 233.71 FEET;  
THENCE SOUTH 23°43'38" EAST, FOR A DISTANCE OF 222.22 FEET;  
THENCE SOUTH 60°38'44" WEST, FOR A DISTANCE OF 283.09 FEET;  
THENCE NORTH 28°10'57" WEST, FOR A DISTANCE OF 288.49 FEET;  
THENCE SOUTH 61°08'54" WEST, FOR A DISTANCE OF 1080.74 FEET, TO A POINT ON THE AFOREMENTIONED WEST RIGHT OF WAY LINE OF STATE ROAD A-1-A;

THENCE SOUTH 29°05'51" EAST, ALONG SAID WEST RIGHT OF WAY LINE, FOR A DISTANCE OF 2100.59 FEET; THENCE DEPARTING SAID WESTERLY RIGHT OF WAY OF STATE ROAD A-1-A, PROCEED FOR THE FOLLOWING EIGHT (8) COURSES;

THENCE NORTH 60°50'06" EAST, FOR A DISTANCE OF 784.66 FEET;  
THENCE NORTH 47°14'45" EAST, FOR A DISTANCE OF 100.05 FEET;  
THENCE NORTH 60°15'57" EAST, FOR A DISTANCE OF 360.31 FEET;  
THENCE SOUTH 24°26'04" EAST, FOR A DISTANCE OF 377.19 FEET;  
THENCE SOUTH 40°10'10" WEST, FOR A DISTANCE OF 105.10 FEET;  
THENCE SOUTH 61°43'55" WEST, FOR A DISTANCE OF 978.85 FEET;  
THENCE SOUTH 29°21'06" WEST, FOR A DISTANCE OF 40.99 FEET;  
THENCE SOUTH 60°59'17" WEST, FOR A DISTANCE OF 84.28 FEET, TO A POINT ON THE CENTERLINE OF A 100 FOOT RIGHT OF WAY FOR THE AFOREMENTIONED STATE ROAD A-1-A;

THENCE DEPARTING SAID CENTERLINE PROCEED FOR THE FOLLOWING TWENTY-FIVE(25) COURSES;

THENCE SOUTH 60°59'17" WEST, FOR A DISTANCE OF 399.26 FEET;  
THENCE SOUTH 51°25'23" WEST, FOR A DISTANCE OF 50.00 FEET;  
THENCE SOUTH 60°55'21" WEST, FOR A DISTANCE OF 1070.94 FEET TO A POINT OF CURVATURE OF A CURVE CONCAVE TO THE NORTHEASTERLY HAVING A RADIUS OF 475.00 FEET; THENCE WESTERLY AND NORTHWESTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 90°01'22", FOR A DISTANCE OF 746.32 FEET; THENCE NORTH 29°03'17" WEST, FOR AN ARC LENGTH OF 729.93 FEET;  
THENCE NORTH 26°33'47" WEST, FOR A DISTANCE OF 110.00 FEET;  
THENCE NORTH 28°48'31" WEST, FOR A DISTANCE OF 1003.93 FEET;  
THENCE SOUTH 60°56'00" WEST, FOR A DISTANCE OF 411.70 FEET;  
THENCE NORTH 29°03'13" WEST, FOR A DISTANCE OF 360.59 FEET;  
THENCE NORTH 61°01'42" EAST, FOR A DISTANCE OF 308.34 FEET;  
THENCE NORTH 28°58'18" WEST, FOR A DISTANCE OF 132.28 FEET;  
THENCE NORTH 29°49'11" EAST, FOR A DISTANCE OF 87.86 FEET;  
THENCE NORTH 16°00'17" EAST, FOR A DISTANCE OF 304.83 FEET;  
THENCE NORTH 60°46'23" EAST, FOR A DISTANCE OF 136.91 FEET;  
THENCE NORTH 28°25'27" WEST, FOR A DISTANCE OF 89.91 FEET;  
THENCE NORTH 16°25'00" WEST, FOR A DISTANCE OF 37.63 FEET;  
THENCE NORTH 16°05'16" EAST, FOR A DISTANCE OF 125.32 FEET;  
THENCE NORTH 61°17'44" EAST, FOR A DISTANCE OF 250.28 FEET;  
THENCE NORTH 24°24'34" WEST, FOR A DISTANCE OF 145.78 FEET;  
THENCE NORTH 25°43'11" EAST, FOR A DISTANCE OF 71.69 FEET;  
THENCE NORTH 18°31'49" EAST, FOR A DISTANCE OF 81.65 FEET;  
THENCE NORTH 00°02'32" WEST, FOR A DISTANCE OF 152.80 FEET;  
THENCE NORTH 58°30'53" EAST, FOR A DISTANCE OF 311.58 FEET;  
THENCE SOUTH 29°57'51" EAST, FOR A DISTANCE OF 105.71 FEET;  
THENCE NORTH 60°02'09" EAST, FOR A DISTANCE OF 742.24 FEET TO THE POINT OF BEGINNING OF THIS DESCRIPTION.

SAID LANDS LYING AND BEING IN ST. LUCIE COUNTY, AND CONTAINING 177.02 ACRES MORE OR LESS.

- NOTES:
- 1.) THE BEARINGS SHOWN HEREON ARE ASSUMED AND REFER TO THE SOUTHWESTERLY RIGHT-OF-WAY OF STATE ROAD A-1-A, BEING NORTH 29° 05' 51" WEST; AS RECORDED IN FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY MAP FOR STATE ROAD NO. A-1-A, SECTION NO. 9405-107, DATED 8-8-56.
  - 2.) THE SPECIFIC PURPOSE OF THIS SURVEY IS TO GRAPHICALLY DEPICT THE "NUCLEAR PERIMETER SITE LIMITS" AT THE SAINT LUCIE NUCLEAR POWER PLANT AS DESCRIBED BY THE CLIENT.
  - 3.) ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
  - 4.) FEATURES REPRESENTED BY SYMBOL(S) ARE LOCATED AT THE CENTER OF SYMBOL AND ARE NOT TO SCALE, UNLESS OTHERWISE NOTED.
  - 5.) LANDS SHOWN HEREON WERE NOT ABSTRACTED FOR RIGHTS-OF-WAY, EASEMENTS, OWNERSHIP, OR OTHER INSTRUMENTS OF RECORD.
  - 6.) THE LAST DATE OF FIELD WORK WAS APRIL 17, 2007.
  - 7.) THE ORTHO-IMAGE SHOWN HEREON IS FOR GRAPHIC PURPOSES ONLY AND HAS NOT BEEN GEO-RECTIFIED
  - 8.) THIS IS NOT A BOUNDARY SURVEY.

I HEREBY CERTIFY THAT THE ATTACHED SPECIFIC PURPOSE SURVEY OF THE HEREON DESCRIBED PROPERTY IS DEPICTED TO THE BEST OF MY KNOWLEDGE, BELIEF, AND INFORMATION AS SURVEYED UNDER MY DIRECTION ON NOVEMBER 21, 2007. I FURTHER CERTIFY THAT THIS SPECIFIC PURPOSE SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, SUBJECT TO THE QUALIFICATIONS NOTED HEREON.

KEITH & SCHNARS, P.A.  
ENGINEERS-PLANNERS-SURVEYORS

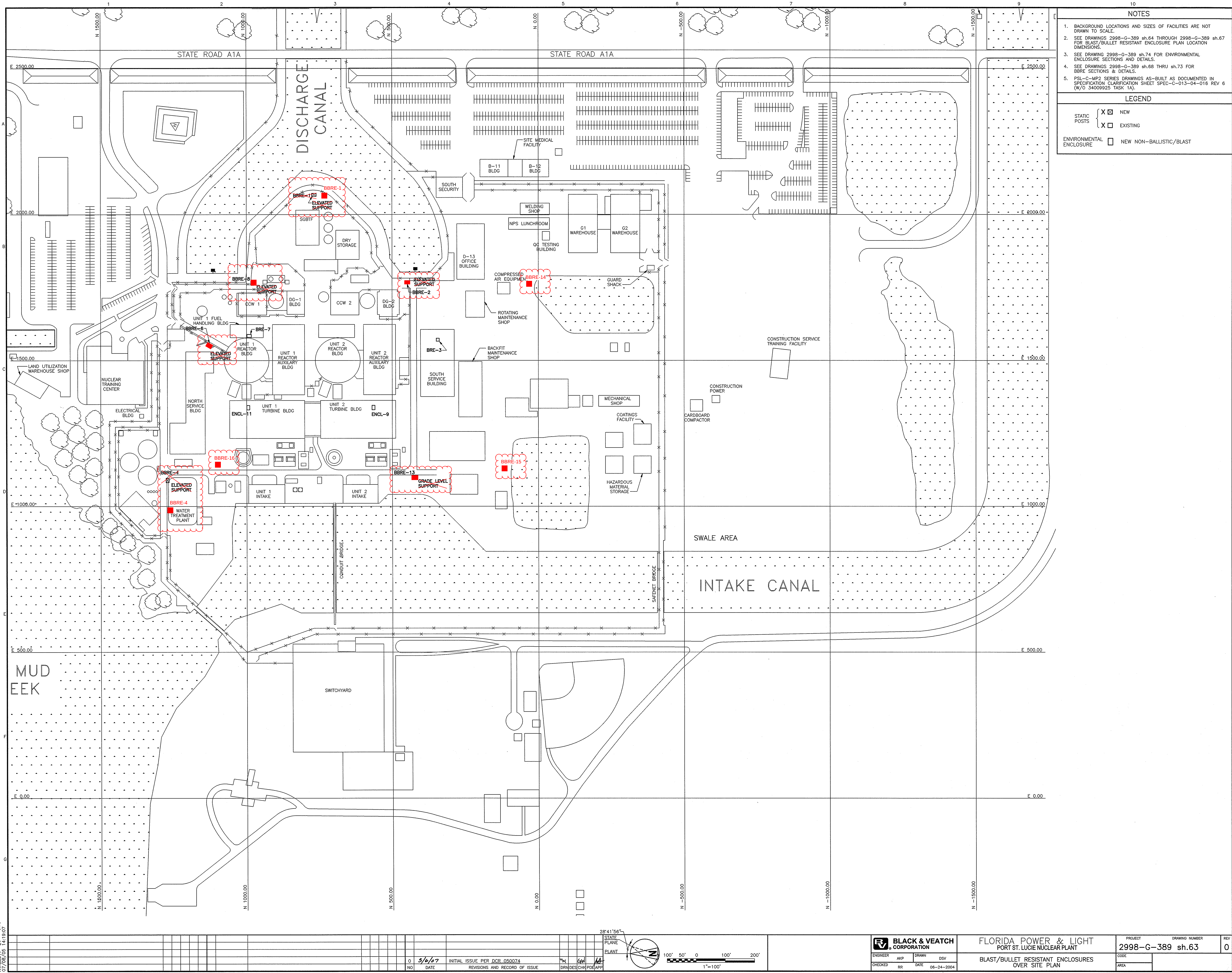
BY: Robert N. Johnson  
Professional Surveyor & Mapper  
Florida-Registration No. 6540 (For The Firm)

AFFECTED DRAWING: 8770-18129 REV. NEW

| FPL            |      | TITLE: ST. LUCIE PLANT - UNITS 1 & 2 |    |
|----------------|------|--------------------------------------|----|
| 0              |      | ISSUED FOR USE PER EC 236088         |    |
| REV            | DATE | REVISION                             | BY |
| EC236088-C-001 |      |                                      |    |

CADD FILE NO: EC236088-C-001

## **ATTACHMENT 2**



NOTES

1. BACKGROUND LOCATIONS AND SIZES OF FACILITIES ARE NOT DRAWN TO SCALE.

2. SEE DRAWINGS 2998-G-389 sh.64 THROUGH 2998-G-389 sh.67 FOR BLAST/BULLET RESISTANT ENCLOSURE PLAN LOCATION DIMENSIONS.

3. SEE DRAWING 2998-G-389 sh.74 FOR ENVIRONMENTAL ENCLOSURE SECTIONS AND DETAILS.

4. SEE DRAWINGS 2998-G-389 sh.68 THRU sh.73 FOR BBRE SECTIONS & DETAILS.

5. PSL-C-MP2 SERIES DRAWINGS AS-BUILT AS DOCUMENTED IN SPECIFICATION CLARIFICATION SHEET SPEC-C-013-04-016 REV 6 (W/O 34009925 TASK 1A).

LEGEND

STATIC POSTS

X

NEW

X

EXISTING

ENVIRONMENTAL ENCLOSURE

NEW NON-BALLISTIC/BLAST

## **ATTACHMENT 3**

### Attachment 3: Elevated BBRE Views

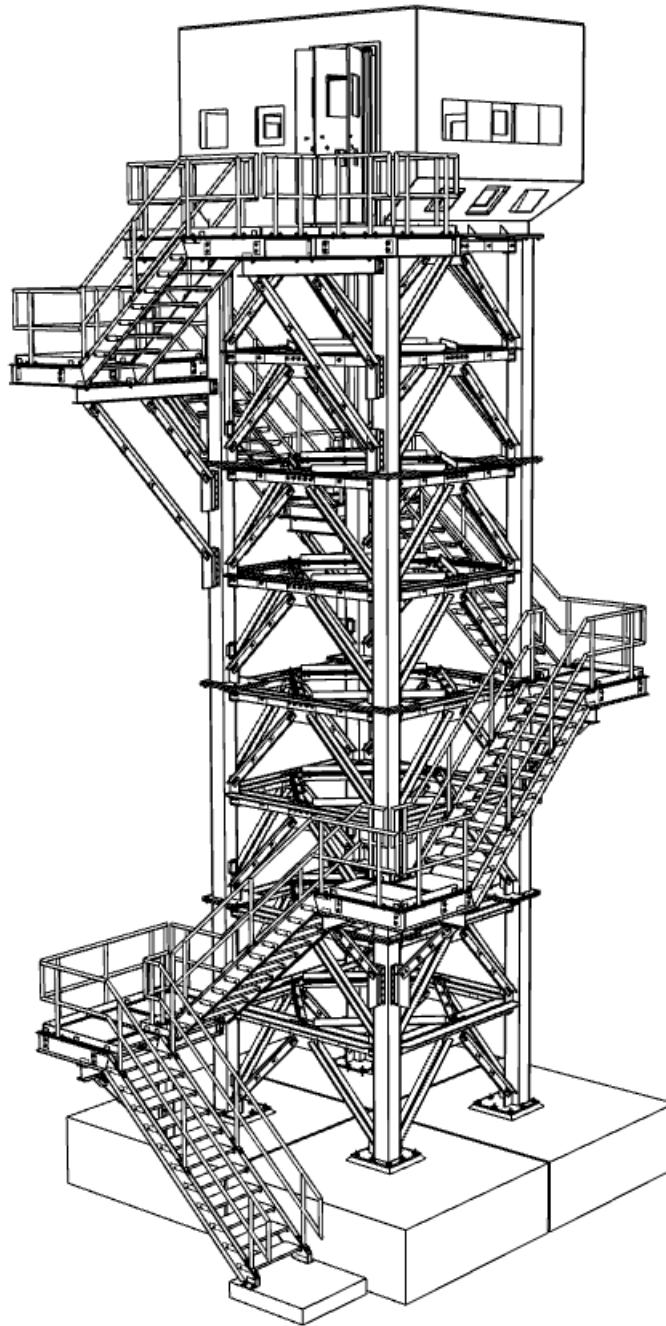
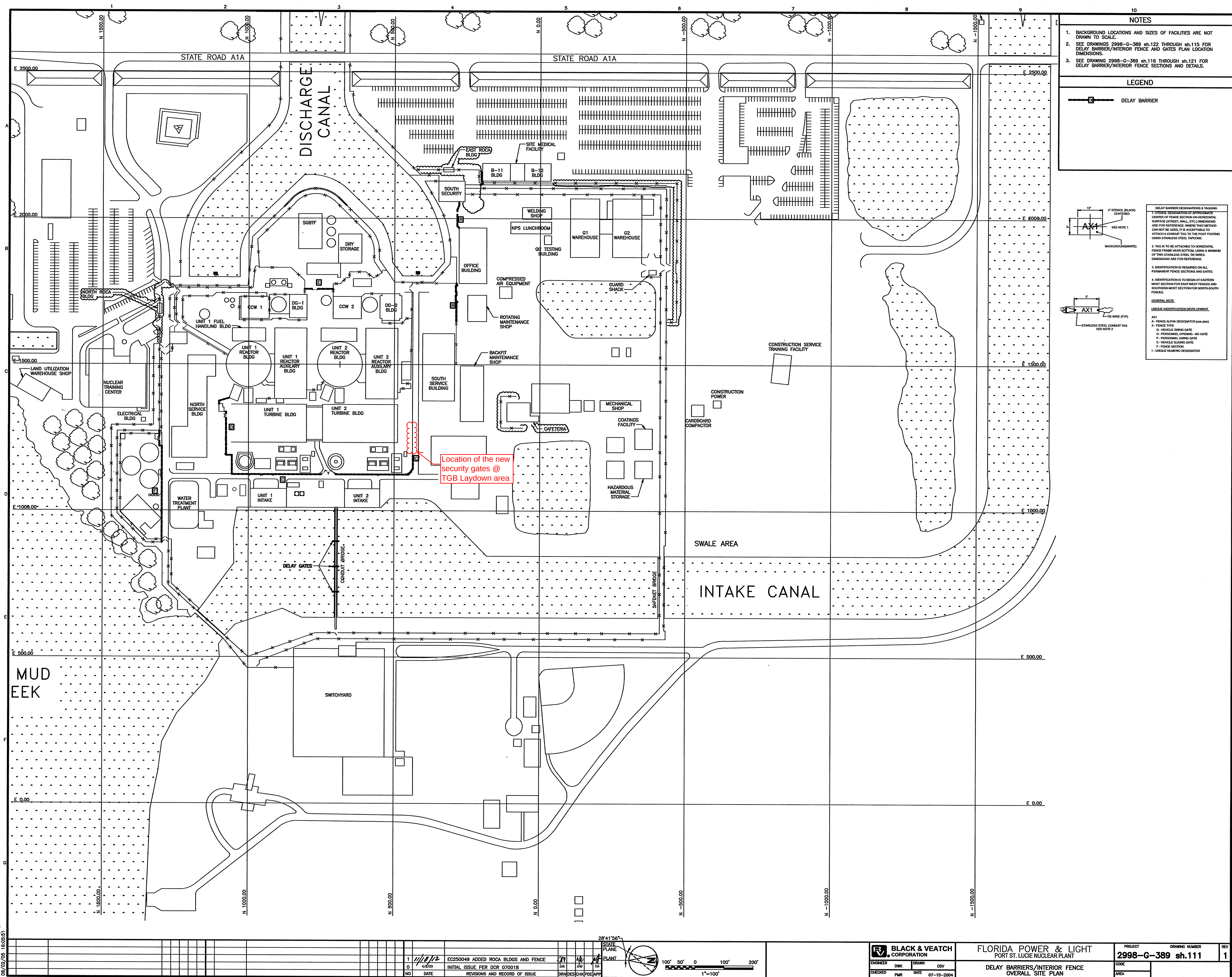


Figure: 40' Elevated BBRE Isometric View

## **ATTACHMENT 4**



## **ATTACHMENT 5**

| REVISIONS | BY |
|-----------|----|
|           |    |
|           |    |
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CALIL  
ARCHITECTS

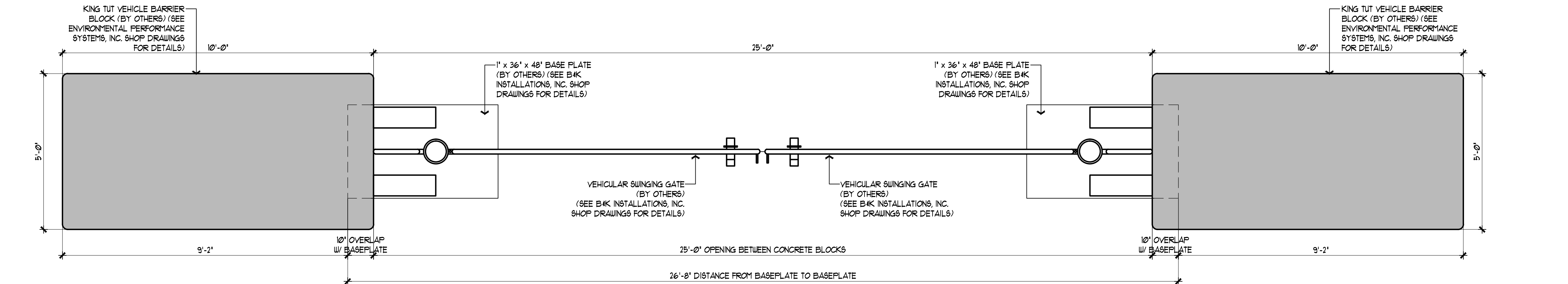
1728 CORAL WAY, SUITE 702  
MIAMI, FLORIDA 33145  
PHONE: (305) 860-9600  
FAX: (305) 860-9602  
AA 26001949  
EDUARDO A. CALIL, ARCHITECT  
LICENSE NO. AR 0009383

PROPOSED NEW TYPICAL VEHICULAR GATE BLOCK DELAY AT:  
FLORIDA POWER AND LIGHT  
TURKEY POINT NUCLEAR POWER PLANT  
LOCATED AT:  
9160 SW 344 STREET  
HOMESTEAD, FLORIDA

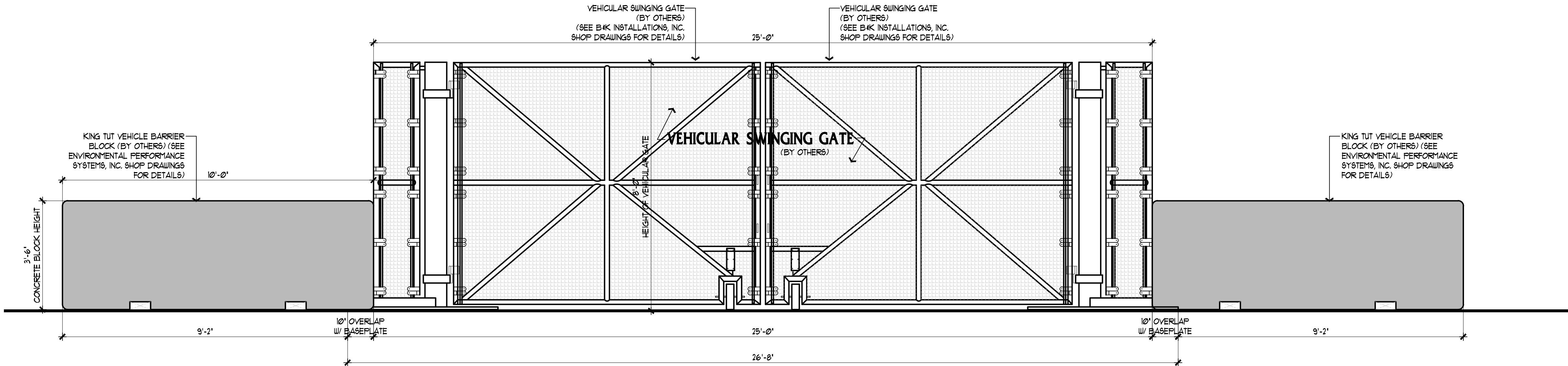
|                                               |
|-----------------------------------------------|
| DRAWN<br>JFL                                  |
| CHECKED<br>E.A.C. Sr.                         |
| DATE<br>JANUARY 2011                          |
| SCALE<br>SHOWN                                |
| JOB No.<br>2011-104                           |
| SHEET<br>PLANS, ELEVATION,<br>SECTION & NOTES |
| A-1.01                                        |

**NOTE:**  
WEIGHT OF EACH CONCRETE BLOCK = 25,930 LBS.

**NOTE:**  
- KING TUT VEHICLE BARRIER BLOCK - ENVIRONMENTAL PERFORMANCE SYSTEMS, INC.  
- FPL SWING GATE - BAK INSTALLATIONS, INC.



**TYPICAL VEHICLE GATE BLOCK DELAY PLAN**  
SCALE: 1/2" = 1'-0"



**TYPICAL VEHICLE GATE BLOCK DELAY ELEVATION**  
SCALE: 1/2" = 1'-0"

## **ATTACHMENT 6**

