From:	Proctor jr., Kennard
To:	SCO
Cc:	Seiler, Ann; Senn, Nate
Subject:	FW: St. Lucie Power Plant - Post Certification Amendment Request-PA 74-02A2-PSL - Fleet Garage Facility -01-05-2023 (1 of 2)
Date:	Thursday, January 5, 2023 4:41:35 PM
Attachments:	Post Certification Amendment Request-PA 74-02A2-PSL -Fleet-Bldg-01-05-2023.pdf ATTACHMENT-A-St Lucie-Fleet Garage-ARCH SET.pdf ATTACHMENT-C-DRAINAGE-STATEMENT.pdf ATTACHMENT-D-St Lucie-Fleet Garage-SURVEY SET.pdf

EXTERNAL MESSAGE
This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

1 of 2: Sending as 2 emails due to file size. Thank you

Sincerely,
Ken Proctor, PMP
Sr. Project Manager
Environmental Services
Florida Power & Light Company
Office: (561) 691-7068
Cell: (561) 267-9138

This transmission is intended to be delivered only to the named addressee(s) and may contain information that is confidential and/or legally privileged. If this information is received by anyone other than the named addressee(s), the recipient should immediately notify the sender by E-MAIL and by telephone (561) 691-7068 and permanently delete the original and any copy, including printout of the information. In no event shall this material be read, used, copied, reproduced, stored or retained by anyone other than the named addressee(s), except with the express consent of the sender or the named addressee(s).

From: Proctor jr., Kennard
Sent: Thursday, January 5, 2023 4:34 PM
To: SCO@dep.state.fl.us
Cc: Ann Seiler (Ann.Seiler@Floridadep.gov) <Ann.Seiler@Floridadep.gov>; Senn, Nate <Nate.Senn@FloridaDEP.gov>
Subject: St. Lucie Power Plant - Post Certification Amendment Request-PA 74-02A2-PSL - Fleet Garage Facility -01-05-2023

Good afternoon,

Please find attached an Post Certification Amendment Request submittal for the planned construction of the Fleet Garage Facility at the FPL St. Lucie Power Plant. Please contact me if you have questions or need additional information. Thank you.

Sincerely,
Ken Proctor, PMP

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To:	SCO
Cc:	Seiler, Ann; Senn, Nate
Subject:	FW: St. Lucie Power Plant - Post Certification Amendment Request-PA 74-02A2-PSL - Fleet Garage Facility -01-05-2023 (2 of 2)
Date:	Thursday, January 5, 2023 4:46:07 PM
Attachments:	ATTACHMENT A-St Lucie-Fleet Garage-CIVIL SET.pdf

EXTERNAL MESSAGE
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2 of 2: Sending as 2 emails due to file size. Thank you

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To: SCO@dep.state.fl.us
Cc: Ann Seiler (Ann.Seiler@Floridadep.gov) <Ann.Seiler@Floridadep.gov>; Senn, Nate <Nate.Senn@FloridaDEP.gov>
Subject: St. Lucie Power Plant - Post Certification Amendment Request-PA 74-02A2-PSL - Fleet Garage Facility -01-05-2023

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Sr. Project Manager

Environmental Services
Florida Power & Light Company
Office: (561) 691-7068
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January 5, 2023

Ms. Cindy Mulkey, Deputy Director
Siting Coordination Office
Florida Department of Environmental Protection
2600 Blairstone Road, MS #5500
Tallahassee, FL 32399-2400

Re: **Florida Power & Light Company**
St. Lucie Power Plant PA 74-02A2
Request for Post Certification Amendment
Fleet Garage Facility

Dear Ms. Mulkey:

Florida Power & Light Company (FPL) is requesting a post certification amendment to construct a new fleet garage facility (Project) at the St. Lucie Power Plant (PSL). This post certification amendment to the Site Certification of PSL (Certification No. PA 74-02A2) is being requested pursuant to Section 403.5113(1)(a) Florida Statues (F.S.) and Rule 62-17.205 (1) Florida Administrative Code (F.A.C).

The proposed Project is needed to supplement and ultimately replace the existing fleet garage facility. The existing metal building facility was constructed in the 1970s and is nearing the end of its useful life. This new proposed facility will be better suited to withstand the corrosive properties of the salt air environment. Project construction will include a new 4,800 square foot concrete block two bay structure with a concrete double tee roof, concrete approach aprons, and asphalt pavement for connection to the existing paved driveways (see Attachment A – Plan Set). The Project will be built on PSL property outside of the protected area (see Attachment B – Project Location). This location will improve vendor access and allow for optimal function of the fleet garage facility.

The proposed additional impervious area totals approximately 0.28 acres and represents a 0.42% increase within the drainage basin. There are multiple ponds on the PSL property that accommodate stormwater management. This proposed additional impervious area is negligible as it relates to the overall drainage basin (see Attachment C- Drainage Statement).

No in-water work will be needed for this Project. No wetlands or listed threatened or endangered species will be impacted by this Project.

This Project will comply with the PSL Conditions of Certification, PA74-02A2, date modified September 17, 2008. FPL believes these proposed activities will not require any changes to the conditions of certification; therefore, we are requesting that this project be processed as an amendment.

Thank you for your consideration of FPL's request to amend PSL Site Certification No. PA 74-02A2. If you have any questions regarding this submittal, please do not hesitate to contact me at (561)691-7068 or Kennard.proctorjr@fpl.com.

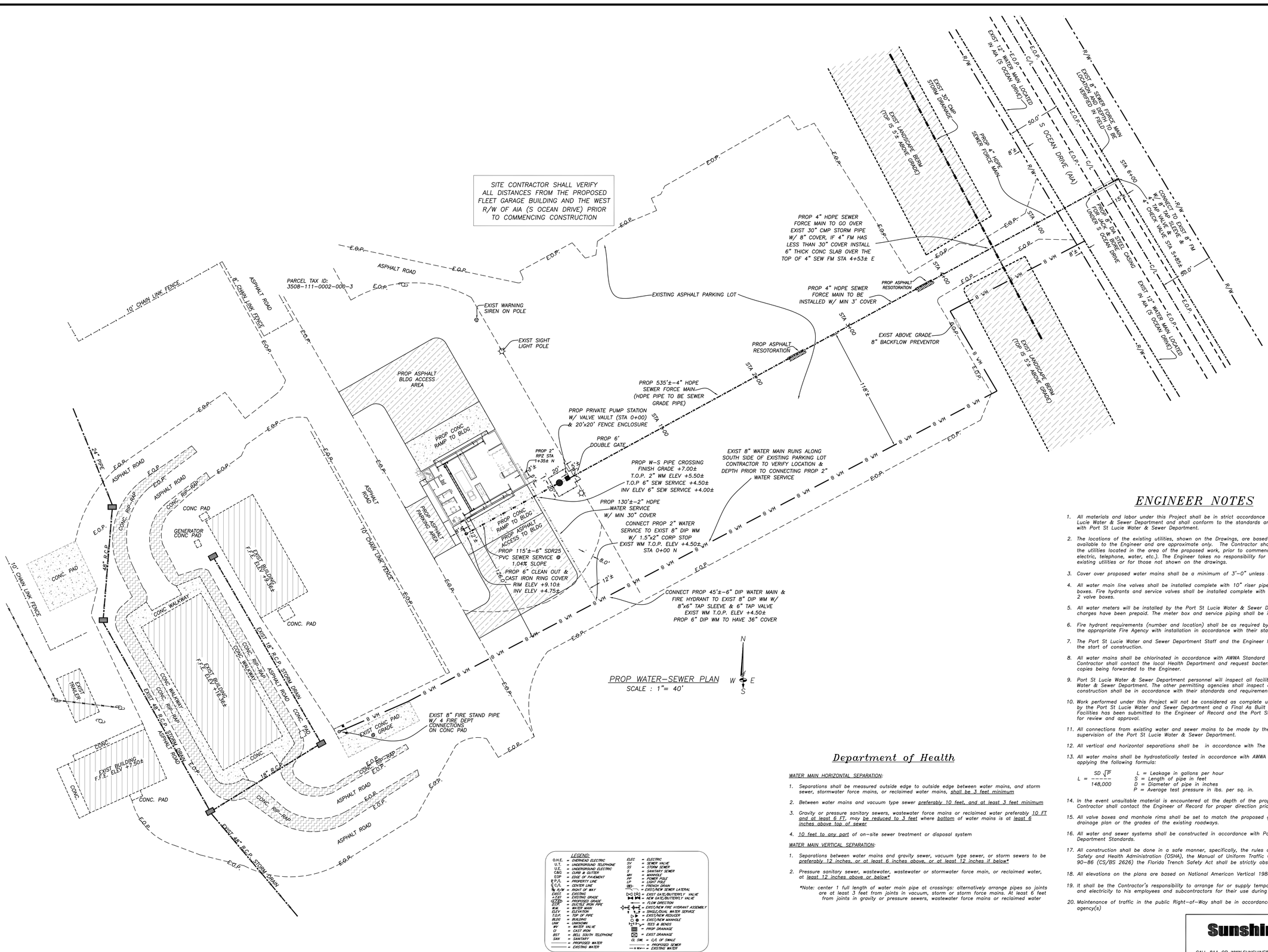
Sincerely,
FLORIDA POWER & LIGHT COMPANY

Ken Proctor, Sr. Project Manager
Environmental Services

cc: Natalie Vitola, FPL
Jeff Wade, FPL

Attachment A – Plan Set
Attachment B – Project Location
Attachment C – Drainage Statement
Attachment D – Topographic Survey

Attachment A – Plan Set
SEE FILES:
ATTACHMENT-A-St Lucie-Fleet Garage-ARCH SET.pdf
ATTACHMENT A-St Lucie-Fleet Garage-CIVIL SET.pdf



PROP WATER-SEWER PLAN
SCALE : 1"= 40'

LEGEND:

O.H.E.	= OVERHEAD ELECTRIC	ELEC	= ELECTRIC
U.T.	= UNDERGROUND TELEPHONE	SV	= SEWER VALVE
U.E.	= UNDERGROUND ELECTRIC	SS	= STORM SEWER
C&G	= CURB & GUTTER	S	= SANITARY SEWER
EOP	= EDGE OF PAVEMENT	MH	= MANHOLE
P.P.L.	= PROPERTY LINE	PP	= POWER POLE
C.L.	= CENTER LINE	LP	= LIGHT POLE
R/W	= RIGHT OF WAY	DRN	= TRENCH DRAIN
EXIST	= EXISTING		= EXIST/NEW SEWER LATERAL
PROP	= PROPOSED		= EXIST GATE/BUTTERFLY VALVE
GRADE	= PROPOSED GRADE		= NEW GATE/BUTTERFLY VALVE
D.I.P.	= DUCTILE IRON PIPE		= FLOW DIRECTION
W.M.	= WATER MAIN		= EXIST/NEW FIRE HYDRANT ASSEMBLY
ELEV	= ELEVATION		= SINGLE/DUAL WATER SERVICE
T.O.P.	= TOP OF PIPE		= EXIST/NEW REDUCER
BLDG	= BUILDING		= EXIST/NEW MANHOLE
UNF	= UNFINISH		= TEES & BENDS
W.V.	= WATER VALVE		= PROP DRAINAGE
CI	= CAST IRON		= EXIST DRAINAGE
B.S.T.	= BELL SOUTH TELEPHONE		= C/L OF SWALE
SAN	= SANITARY		= PROPOSED SEWER
	= PROPOSED WATER		= EXISTING WATER
	= EXISTING WATER		

Department of Health

WATER MAIN HORIZONTAL SEPARATION:

1. Separations shall be measured outside edge to outside edge between water mains, and storm sewer, stormwater force mains, or reclaimed water mains, shall be 3 feet minimum
2. Between water mains and vacuum type sewer preferably 10 feet, and at least 3 feet minimum
3. Gravity or pressure sanitary sewers, wastewater force mains or reclaimed water preferably 10 FT and at least 6 FT, may be reduced to 3 feet where bottom of water mains is at least 6 inches above top of sewer
4. 10 feet to any part of on-site sewer treatment or disposal system

WATER MAIN VERTICAL SEPARATION:

1. Separations between water mains and gravity sewer, vacuum type sewer, or storm sewers to be preferably 12 inches, or at least 6 inches above, or at least 12 inches if below*
2. Pressure sanitary sewer, wastewater, wastewater or stormwater force main, or reclaimed water, at least 12 inches above or below*

*Note: center 1 full length of water main pipe at crossings: alternatively arrange pipes so joints are at least 3 feet from joints in vacuum, storm or storm force mains. At least 6 feet from joints in gravity or pressure sewers, wastewater force mains or reclaimed water

ENGINEER NOTES

1. All materials and labor under this Project shall be in strict accordance with the requirements of the Pot St Lucie Water & Sewer Department and shall conform to the standards and specifications available and on file with Port St Lucie Water & Sewer Department.
2. The locations of the existing utilities, shown on the Drawings, are based upon the most reliable information available to the Engineer and are approximate only. The Contractor shall verify the location and elevation of the utilities located in the area of the proposed work, prior to commencing construction (i.e., underground electric, telephone, water, etc.). The Engineer takes no responsibility for the accuracy of the location of all existing utilities or for those not shown on the drawings.
3. Cover over proposed water mains shall be a minimum of 3'-0" unless otherwise shown on the drawings.
4. All water main line valves shall be installed complete with 10" riser pipes and U S Foundry No. 3 valve boxes. Fire hydrants and service valves shall be installed complete with 6" riser pipes and U S Foundry No. 2 valve boxes.
5. All water meters will be installed by the Port St Lucie Water & Sewer Department, providing the appropriate charges have been prepaid. The meter box and service piping shall be installed by the Contractor.
6. Fire hydrant requirements (number and location) shall be as required by Port St Lucie Fire Department or the appropriate Fire Agency with installation in accordance with their standards and specifications
7. The Port St Lucie Water and Sewer Department Staff and the Engineer MUST be notified 48 hours prior to the start of construction.
8. All water mains shall be chlorinated in accordance with AWWA Standard C-651, Latest Revision. The Contractor shall contact the local Health Department and request bacteriological samples be obtained with copies being forwarded to the Engineer.
9. Port St Lucie Water & Sewer Department personnel will inspect all facilities approved by the Port St Lucie Water & Sewer Department. The other permitting agencies shall inspect all facilities approved by them and construction shall be in accordance with their standards and requirements.
10. Work performed under this Project will not be considered as complete until final acceptance of the system by the Port St Lucie Water and Sewer Department and a Final As Built of the Proposed Water & Sewer Facilities has been submitted to the Engineer of Record and the Port St Lucie Water & Sewer Department for review and approval.
11. All connections from existing water and sewer mains to be made by the utility contractor under the supervision of the Port St Lucie Water & Sewer Department.
12. All vertical and horizontal separations shall be in accordance with The Florida Health Department
13. All water mains shall be hydrostatically tested in accordance with AWWA Standard C-600, Latest Revision, and applying the following formula:

$$L = \frac{SD\sqrt{P}}{148{,}000}$$

L = Leakage in gallons per hour
S = Length of pipe in feet
D = Diameter of pipe in inches
P = Average test pressure in lbs. per sq. in.

14. In the event unsuitable material is encountered at the depth of the proposed water and sewer facilities, the Contractor shall contact the Engineer of Record for proper direction prior to continuance of construction.
15. All valve boxes and manhole rims shall be set to match the proposed grades as per the paving and drainage plan or the grades of the existing roadways.
16. All water and sewer systems shall be constructed in accordance with Port St Lucie Water & Sewer Department Standards.
17. All construction shall be done in a safe manner, specifically, the rules and regulations of the Occupational Safety and Health Administration (OSHA), the Manual of Uniform Traffic Control Devices (MUTCD), and Chapter 90-86 (CS/BS 2626) the Florida Trench Safety Act shall be strictly observed.
18. All elevations on the plans are based on National American Vertical 1988 Datum (NAVD88).
19. It shall be the Contractor's responsibility to arrange for or supply temporary water service, sanitary facilities and electricity to his employees and subcontractors for their use during construction.
20. Maintenance of traffic in the public Right-of-Way shall be in accordance with the local traffic control agency(s)

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CHEROKEE CONSULTING, INC
CIVIL ENGINEERS
5821 SW 51 TERRACE, MIAMI, FLORIDA 33155
Phone: 305.205.2361; E-Mail: kwgroce@att.net
Certificate of Authorization 27419

FP&L PORT ST LUCIE NUCLEAR PLANT
NEW FLEET GARAGE BUILDING
6501 SOUTH OCEAN DRIVE
JENSEN BEACH, FLORIDA
WATER & SEWER FACILITIES
PLAN VIEW & NOTES

FPL

REVISIONS

By	Date	Remarks

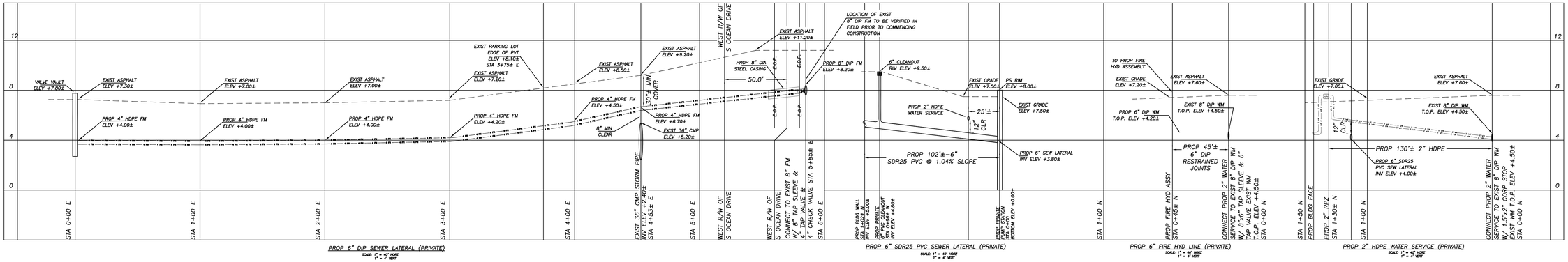
KEN W. GROCE LICENSE No. 35944 STATE OF FLORIDA PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED BY KEN W. GROCE P.E. ON THE DATE ADJACENT TO THE SEAL
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ELECTRONIC COPIES

For The Firm By:
KEN W. GROCE, P.E.
FL. Reg. No. 35944
Civil Engineer

Scale:	As Shown In Views
Designed By:	KWG
Drawn By:	CDS
Checked By:	KWG
Date:	11.5.2022
Project No:	22-59

Sheet:
WS-1 1 OF 8

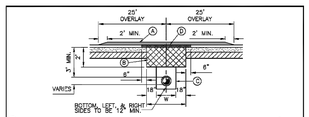


PROP 6" DIP SEWER LATERAL (PRIVATE) SCALE: 1" = 40' HORZ, 1" = 4' VERT

PROP 6" SDR25 PVC SEWER LATERAL (PRIVATE) SCALE: 1" = 40' HORZ, 1" = 4' VERT

PROP 6" FIRE HYD LINE (PRIVATE) SCALE: 1" = 40' HORZ, 1" = 4' VERT

PROP 2" HDPE WATER SERVICE (PRIVATE) SCALE: 1" = 40' HORZ, 1" = 4' VERT



Ⓐ OVERLAY 25 FEET FROM CENTER LINE OF TRENCH, BOTH SIDES OF OPEN CUT WITH 1" MINIMUM TYPE SP-9.5 ASPHALT OR MATCH EXISTING SURFACE MATERIAL WHEN POSSIBLE.

Ⓑ CONSTRUCT 2.0' DEEP X WIDTH AND LENGTH OF TRENCH WITH CEMENTED COQUINA OR LIMEROCK (LBR 100). SEE SPECIFICATIONS NOTE #2 BELOW FOR COMPACTION REQUIREMENTS.

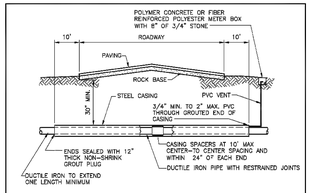
Ⓒ PROVIDE CLEAN BACKFILL. BACKFILL SHALL BE REPLACED IN 6" LAYERS, EACH LAYER SHALL BE MECHANICALLY COMPACTED TO A MINIMUM 100% DENSITY AS DETERMINED BY AASHTO T-99, METHOD "C".

Ⓓ DITCH WIDTH (W)=12", MATCH EXISTING TYPE AND THICKNESS OF ASPHALT (MINIMUM OF 2" OF TYPE SP-9.5)

NOTES:

1. REPLACED BASE MATERIAL OVER DITCH SHALL BE AS SHOWN ABOVE.
2. BASE MATERIAL SHALL BE PLACED IN 6" LAYERS OR AS OTHERWISE APPROVED AND EACH LAYER THOROUGHLY MECHANICALLY COMPACTED TO (98%) DENSITY AS DETERMINED BY AASHTO T-180.
3. ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE LAPPED AND FEATHERED.
4. ALL PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED.
5. SURFACE MATERIAL WILL BE CONSISTENT WITH EXISTING SURFACE OR AS OTHERWISE DIRECTED (TYPE SP-9.5) AND PLACED IN ACCORDANCE WITH FDOT REQUIREMENTS.
6. A MINIMUM OF TWO DENSITY TESTS SHALL BE TAKEN FOR EACH SIX (6) INCH LIFT OF SUBGRADE AND EACH OPEN CUT CROSSING. WHEN THE SPECIFIED COMPACTED BASE IS GREATER THAN SIX AND ONE-HALF (6-1/2) INCHES THE BASE SHALL BE CONSTRUCTED IN TWO LIFTS OF APPROXIMATELY EQUAL THICKNESS. ALL DENSITY TESTS SHALL BE OBTAINED BY A CERTIFIED LABORATORY. DENSITY TESTS SHALL BE CONDUCTED BY A CERTIFIED LABORATORY OR THE PERMITTEE'S CONSULTANTS. THE PERCENTAGE OF MAXIMUM DENSITY REQUIRED SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS. A COPY OF ALL COMPLETED AND ACCEPTED DENSITY TESTS SHALL BE FURNISHED TO THE ENGINEER'S OFFICE PRIOR TO FINAL INSPECTION.

ST. LUCIE COUNTY WATER & WASTEWATER CONSTRUCTION STANDARDS | FLEXIBLE PAVEMENT REPLACEMENT DETAIL | DATE APPROVED: DECEMBER 2015 | DRAWING NUMBER: G-7

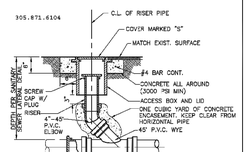


CARRIER PIPE SIZE	MINIMUM STEEL CASING	MINIMUM WALL THICKNESS
4"	12"	.250
6"	16"	.250
8"	18"	.3125
10"	20"	.3125
12"	24"	.375
14"	30"	.500
16"	30"	.500
20"	36"	.5625
24"	42"	.5625
30"	48"	.5625
36"	48"	.5625

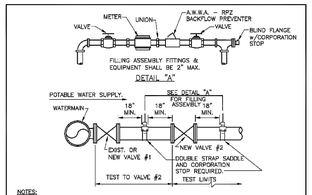
NOTES:

1. CASING SPACER RUNNER HEIGHTS SHALL NOT INTERFERE WITH PIPE JOINT RESTRAINTS.
2. RETAINER GLANDS ARE REQUIRED SO THE CASING SIZE SHALL BE ADJUSTED ACCORDINGLY.
3. LOCATOR WIRE FOR ALL BORE & JACKING AND HORIZONTAL DIRECTIONAL DRILLS SHALL HAVE 500 LB MIN BREAK LOAD AND BE SUITABLE FOR THE INSTALLATION. SEE THE TECHNICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

ST. LUCIE COUNTY WATER & WASTEWATER CONSTRUCTION STANDARDS | JACK AND BORE CASING INSTALLATION DETAIL | DATE APPROVED: DECEMBER 2015 | DRAWING NUMBER: G-12



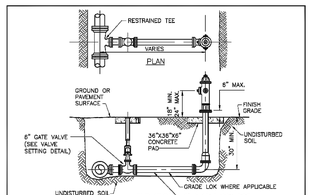
ST. LUCIE COUNTY WATER & WASTEWATER CONSTRUCTION STANDARDS | SEWER SERVICE CLEANOUT | DATE APPROVED: DECEMBER 2015 | DRAWING NUMBER: S-2



NOTES:

1. BOTH VALVES SHALL BE KEPT CLOSED EXCEPT FOR FILLING, FLUSHING, AND BACTERIOLOGICAL TESTING PURPOSES.
2. THE DISTRICT SHALL BE NOTIFIED BEFORE FILLING AND FLUSHING.
3. AFTER BACTERIOLOGICAL CLEARANCE, SECOND VALVE IS TO BE LEFT OPEN WITHOUT VALVE BOX.
4. PRESSURE TEST PUMP CONNECTS TO SERVICE LINE OR BLOWOFF. NO EXTRA "APS ARE PERMITTED UNLESS PRECEDING ARE NOT PRESENT IN TEST SECTION.
5. PRESSURE GAUGE TO BE LOCATED IN VICINITY OF TEST PUMP CONNECTION.
6. GAUGE AND RISER TO BE REMOVED AFTER PRESSURE TEST.
7. REMOVE TEMPORARY CONNECTION AT CORPORATION STOPS AFTER FILLING & FLUSHING HAS BEEN COMPLETED.
8. NEW VALVE MAY BE REMOVED AT DISTRICT'S OPTION.
9. INJECT CHLORINE ON "PROJECT" SIDE OF BACKFLOW PREVENTER.
10. CONTRACTOR TO PROVIDE AN RPZ CERTIFICATION (LESS THAN 1 YEAR) PRIOR TO INSTALLATION AND CERTIFY THE RPZ EACH ANNIVERSARY DATE OF INSTALLATION WHILE THE WORK IS ONGOING.

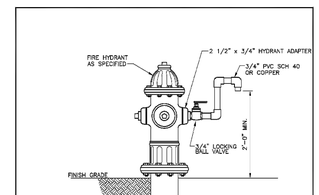
ST. LUCIE COUNTY WATER & WASTEWATER CONSTRUCTION STANDARDS | DOUBLE VALVE DETAIL AND FILLING & FLUSHING CONNECTION | DATE APPROVED: DECEMBER 2015 | DRAWING NUMBER: W-19



NOTES:

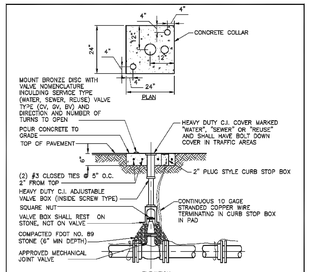
1. HYDRANTS SHALL BE INSTALLED PLUMB AND TRUE.
2. VALVES SHALL BE PLACED ADJACENT TO MAIN, AND TIED TO TEE.
3. PUMPER NOZZLE SHALL FACE STREET.
4. ALL HYDRANTS SHALL BE CONNECTED TO THE MAIN WITH RESTRAINED TEE.
5. HYDRANTS SHALL NOT BE PLACED IN SIDEWALK, ROADWAYS OR BIKEPATHS.
6. ALL PIPE AND FITTINGS SHALL BE RESTRAINED.
7. HYDRANT BARREL COLOR TO BE RED.
8. THE CONNECTOR PIPE SHALL BE CEMENT LINED DUCTILE IRON, CLASS 350.
9. HYDRANT EXTENSIONS SHALL NOT BE ALLOWED.
10. NEWLY CONSTRUCTED FIRE HYDRANTS THROUGHOUT THE PROJECT SHALL HAVE A RED "OUT OF SERVICE" DISK (JOSEPH G. POLLARO CO. OR EQUAL) ATTACHED TO 6" PUMPER NOZZLE CAP. DISK TO BE REMOVED AFTER WATER SYSTEM HAS BEEN APPROVED FOR SERVICE BY THE DISTRICT.

ST. LUCIE COUNTY WATER & WASTEWATER CONSTRUCTION STANDARDS | FIRE HYDRANT INSTALLATION DETAIL | DATE APPROVED: DECEMBER 2015 | DRAWING NUMBER: W-6



PLEASE REFER TO WRITTEN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

ST. LUCIE COUNTY WATER & WASTEWATER CONSTRUCTION STANDARDS | TEMPORARY SAMPLE POINT DETAIL (FIRE HYDRANT) | DATE APPROVED: DECEMBER 2015 | DRAWING NUMBER: W-2



NOTES:

1. WHEN TOP OF OPERATING NUT IS DEEPER THAN 42", A STAINLESS STEEL EXTENSION WILL BE REQUIRED TO BRING OPERATING NUT 12" BELOW FINISHED GRADE. A STAINLESS STEEL CENTERING PLATE, WELDED TO THE EXTENSION, IS ALSO REQUIRED.
2. COVER SHALL BE PAINTED FEDERAL SAFETY BLUE FOR WATER MAINS, GREEN FOR SEWER MAINS AND PURPLE FOR RECLAIMED MAINS.
3. C900 P.V.C. OR D.I.P. RISER PIPE SHALL BE ADDED TO EXTEND THE VALVE BOX AS REQUIRED.
4. REFLECTIVE PAVEMENT MARKERS (RPM) SHALL BE 6" FROM THE EDGE OF PAVEMENT AS PER DOT INSTALLATION SPECIFICATIONS. WATER RPM'S "BLUE", SEWER RPM'S "GREEN" AND RECLAIMED WATER RPM'S "PURP-LE".

ST. LUCIE COUNTY WATER & WASTEWATER CONSTRUCTION STANDARDS | VALVE SETTING DETAIL (GATE VALVE) | DATE APPROVED: DECEMBER 2015 | DRAWING NUMBER: G-18

GENERAL NOTES

UTILITY CONSTRUCTION NOTES

UTILITY CONSTRUCTION NOTES SHALL BE PROVIDED IN THE DRAWING SET AS FOLLOWS (NOTE: SHOW ALL NOTES IN THE FOLLOWING ORDER):

GENERAL

1. ALL CONSTRUCTION MATERIALS AND METHODS FOR POTABLE WATER, WASTEWATER, AND RECLAIMED WATER SYSTEMS SHALL BE IN ACCORDANCE WITH THE DISTRICT DESIGN CRITERIA AND SPECIFICATIONS, THE DISTRICT CONSTRUCTIONS STANDARDS.
2. THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS AND REQUIREMENTS OF ALL PERMITS OBTAINED FOR THE PROJECT.
3. ALL MATERIALS USED ON THE PROJECT SHALL IN LISTED IN THE DISTRICT APPROVED MATERIAL LIST.
4. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE ONE CURRENT COPY OF DISTRICT DESIGN CRITERIA AND SPECIFICATIONS, DISTRICT CONSTRUCTIONS STANDARDS, AND THE CONTRACT DRAWINGS AT ALL TIMES.
5. THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF FLORIDA FOR LAYOUT.
6. ALL MATERIALS, COATINGS, AND CHEVICALS THAT CONTACT DRINKING WATER SHALL BE IN CONFORMANCE WITH ANSI/NSF STANDARD 61.
7. MAILBOXES SHALL BE CAPABLE OF RECEIVING MAIL AT ALL TIMES.

REFERENCED DATA

8. ALL ELEVATIONS ARE REFERENCED TO NATIONAL GEODETIC VERTICAL DATUM (NGVD) 1988. THE HORIZONTAL DATUM IS BASED ON STATE PLANE EAST, NORTH AMERICAN DATUM (NAD) 1983.

EXISTING CONDITIONS

9. LOCATIONS, ELEVATIONS, DIMENSIONS, AND MATERIAL OF EXISTING UTILITIES ARE BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME OF THE PREPARATION OF THESE DRAWINGS BUT ARE NOT PURPORTED TO BE ABSOLUTELY CORRECT. THERE MAY BE OTHER UTILITIES IN THE PROJECT AREA. THE CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS, DIMENSIONS, AND MATERIAL OF EXISTING UTILITIES (WHETHER OR NOT SHOWN ON THE DRAWINGS) AFFECTING HIS WORK.

UTILITY COORDINATION

10. THE CONTRACTOR SHALL NOTIFY ALL UTILITIES NEAR THE PROJECT AREA AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE NOTIFYING "SUNSHINE STATE ONE CALL OF FLORIDA" AT LEAST 48 HOURS PRIOR TO ANY DIGGING WORK TO HAVE ALL KNOWN EXISTING UTILITIES LOCATED.
11. THE CONTRACTOR SHALL PRESERVE AND MAINTAIN EXISTING UTILITIES, STRUCTURES, AND OTHER FIXTURES WITHIN THE PROJECT AREA. ANY DAMAGE SHALL BE REPAIRED BY AND AT THE EXPENSE OF THE CONTRACTOR TO THE SATISFACTION OF THE DISTRICT.
12. THE CONTRACTOR IS RESPONSIBLE FOR BRACING, SHORING, OR PROVIDING OTHER MEANS NECESSARY TO PROTECT AND SUPPORT EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES (EXPOSED OR UNEXPOSED) THAT MAY BE IMPACTED BY HIS WORK.

ST. LUCIE COUNTY WATER & WASTEWATER CONSTRUCTION STANDARDS | GENERAL NOTES AND SPECIFICATIONS I (1 - 11) | DATE APPROVED: DECEMBER 2015 | DRAWING NUMBER: G-1

GENERAL NOTES (Cont.):

PIPING

13. ALL CONNECTIONS TO EXISTING MAINS SHALL BE OBSERVED BY THE DISTRICT. VALVES ON EXISTING MAINS SHALL BE OPERATED BY DISTRICT PERSONNEL OR UNDER THEIR DIRECT SUPERVISION. TAPPING SLEEVES AND VALVES SHALL BE PRESSURE TESTED PRIOR TO TAPPING. IF SERVICE MUST BE CUT OFF TO EXISTING CUSTOMERS, THE DISTRICT SHALL BE NOTIFIED AT LEAST THREE DAYS IN ADVANCE TO MAKE NECESSARY NOTIFICATIONS. IN THIS EVENT THE CONTRACTOR SHALL BE READY TO PROCEED WITH AS MUCH MATERIAL REASSEMBLED AS POSSIBLE AT THE SITE TO MINIMIZE THE LENGTH OF SERVICE INTERRUPTION. THE DISTRICT WILL POSITION A SERVICE CUT-OFF IF THE CONTRACTOR IS NOT READY TO PROCEED ON SCHEDULE. SUCH CONNECTIONS SHALL BE MADE AT NIGHT TO MINIMIZE EFFECTS UNLESS OTHERWISE AUTHORIZED BY THE DISTRICT. NO CUSTOMERS SHALL BE WITHOUT SERVICE FOR MORE THAN FOUR HOURS.
14. DENSITY TESTS OF TRENCH BACKFILL MATERIAL SHALL BE REQUIRED AT THE TRENCH BOTTOM AND EACH LIFT OF BACKFILL AT INTERVALS OF NO MORE THAN 500 FEET. DENSITY TESTS OF PAVEMENT OPEN-CUT AREAS INCLUDING ROADS, TURNLANES, AND DRIVES SHALL BE REQUIRED AT INTERVALS OF NOT MORE THAN 50 FEET. COMPACTION SHALL BE IN ACCORDANCE WITH THE "TYPICAL TRENCH DETAIL" AND "FLEXIBLE PAVEMENT REPLACEMENT DETAIL". A CERTIFIED COPY OF TESTS SHALL BE PROVIDED TO THE DISTRICT. DENSITY TESTING CONDUCTED BY AN INDEPENDENT TESTING LAB APPROVED BY THE DISTRICT.
15. MINIMUM COVER TO FINISHED GRADE OVER MAINS SHALL BE 30" FOR PIPE UP TO 8" DIAMETER, 36" FOR 10" TO 12" PIPE, AND 48" FOR 14" AND LARGER PIPE.
16. ALL BURIED PIPING SHALL BE RESTRAINED IN ACCORDANCE WITH THE RESTRAINED JOINT SCHEDULE DETAIL.
17. ALL PRESSURE TESTS SHALL BE IN ACCORDANCE WITH THE ST. LUCIE COUNTY UTILITIES DISTRICT CONSTRUCTION STANDARDS AND TECHNICAL SPECIFICATIONS AND AWWA STANDARDS (LATEST EDITIONS).
18. THE CONTRACTOR SHALL CLEAN MAINS BY FLUSHING OR USING APPROVED POLYURETHANE PIG(S). TEMPORARY CLEANING STATIONS SHALL BE CONSTRUCTED BY THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE A CLEANING PLAN SHOWING THE METHOD OF FILLING AND CLEANING MAINS PRIOR TO THE START OF CONSTRUCTION. THE CLEANING PLAN SHALL BE APPROVED BY THE DISTRICT PRIOR TO CONSTRUCTION. ALL COSTS FOR FILLING AND CLEANING SHALL BE A THE CONTRACTORS EXPENSE.
19. WATER SERVICES SHALL BE INSTALLED BY JACK AND BORE, HORIZONTAL DIRECTIONAL DRILL, OR MOLING METHODS. LETTING OF SERVICE LINES SHALL NOT BE PERMITTED.

SEPARATIONS

20. POTABLE WATER SEPARATION:
    a. FOR PARALLEL INSTALLATIONS, WATER MAINS SHALL BE LAID WITH A MINIMUM OF 10 FEET HORIZONTAL SEPARATION, EDGE-OF-MAIN TO EDGE-OF-MAIN
    b. FOR WATER MAINS CROSSING SEWERS, A MINIMUM OF 18 INCHES SHALL BE MAINTAINED FROM THE OUTSIDE OF WATER MAIN TO THE OUTSIDE OF SEWER MAIN. AT THE CROSSING, ONE FULL-LENGTH OF WATER MAIN PIPE SHALL BE LAID IN SUCH A WAY THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER MAIN AS POSSIBLE.

ST. LUCIE COUNTY WATER & WASTEWATER CONSTRUCTION STANDARDS | GENERAL NOTES AND SPECIFICATIONS II (13 - 20) | DATE APPROVED: DECEMBER 2015 | DRAWING NUMBER: G-2

GENERAL NOTES (Cont.):

    c. WHERE IT IS NOT PRACTICAL TO MEET THESE PARAMETERS, SPECIFIC REQUIREMENTS FROM THE REGULATORY AGENCIES MUST BE FOLLOWED.
    d. HORIZONTAL SEPARATIONS OF 15 FEET TO BUILDINGS, TREES, TOP-OF-BANKS OF LAKES AND CANALS AND OTHER STRUCTURES SHALL BE MAINTAINED.
21. HORIZONTAL SEPARATION:
    a. WATER MAINS SHALL BE LAID WITH A MINIMUM OF 10 FEET HORIZONTAL SEPARATION, EDGE-OF-MAIN TO EDGE-OF-MAIN, FROM EXISTING AND PROPOSED SEWERS.
    b. WATER MAINS SHALL BE LAID WITH A MINIMUM OF 3 FEET HORIZONTAL SEPARATION, EDGE-OF-MAIN TO EDGE-OF-MAIN, FROM EXISTING AND PROPOSED STORM SEWERS AND RECLAIMED WATER MAINS.
    c. HORIZONTAL SEPARATIONS OF 15 FEET TO BUILDINGS, TREES, TOP-OF-BANKS OF LAKES AND CANALS AND OTHER STRUCTURES SHALL BE MAINTAINED.
    d. WHERE IT IS NOT PRACTICAL TO MEET THESE PARAMETERS, SPECIFIC REQUIREMENTS FROM THE REGULATORY AGENCIES MUST BE FOLLOWED.
22. VERTICAL SEPARATION:
    a. FOR WATER MAINS CROSSING SEWERS, A MINIMUM OF 18 INCHES SHALL BE MAINTAINED FROM THE OUTSIDE OF WATER MAIN TO THE OUTSIDE OF SEWER MAIN. AT THE CROSSING, ONE FULL-LENGTH OF WATER MAIN PIPE SHALL BE LAID IN SUCH A WAY THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER MAIN AS POSSIBLE.
    b. FOR WATER MAINS CROSSING STORM SEWERS AND RECLAIMED WATER MAINS, A MINIMUM OF 12 INCHES SHALL BE MAINTAINED FROM THE OUTSIDE OF WATER MAIN TO THE OUTSIDE OF SEWER MAIN. AT THE CROSSING, ONE FULL-LENGTH OF WATER MAIN PIPE SHALL BE LAID IN SUCH A WAY THAT BOTH JOINTS WILL BE AS FAR FROM THE STORM SEWER OR RECLAIMED WATER MAIN AS POSSIBLE.
    c. SANITARY SEWERS, FORCE MAINS, AND STORM SEWERS SHOULD CROSS UNDER WATER MAINS, WHEREVER POSSIBLE.
    d. WHERE IT IS NOT PRACTICAL TO MEET THESE PARAMETERS, SPECIFIC REQUIREMENTS FROM THE REGULATORY AGENCIES MUST BE FOLLOWED.

MAINTENANCE OF TRAFFIC

23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFE MAINTENANCE OF PEDESTRIAN AND VEHICULAR TRAFFIC AT ALL TIMES DURING THE DURATION OF THE PROJECT.
24. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH FDOT STANDARD INDEX 600 SERIES AND THE TECHNICAL SPECIFICATIONS. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL AND SAFETY DEVICES THROUGHOUT THE PROJECT.

DEWATERING AND EROSION CONTROL

25. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A DEWATERING PERMIT THROUGH THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT SHOULD DEWATERING ACTIVITIES BE REQUIRED.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SELECTION, INSTALLATION, MAINTENANCE, AND SATISFACTORY OPERATION OF THE EROSION AND SEDIMENT CONTROL DEVICES/SYSTEM IN ACCORDANCE WITH SFWMD REQUIREMENTS

ST. LUCIE COUNTY WATER & WASTEWATER CONSTRUCTION STANDARDS | GENERAL NOTES AND SPECIFICATIONS III (22 - 26) | DATE APPROVED: DECEMBER 2015 | DRAWING NUMBER: G-3

GENERAL NOTES (Cont.):

27. ANY DISCHARGE FROM DEWATERING ACTIVITIES SHALL BE FILTERED AND CONVEYED TO A SEDIMENTATION BASIN IN A MANNER WHICH PREVENTS EROSION AND TRANSPORTATION OF SUSPENDED SOLIDS TO OUTFALLS.
28. THE CONTRACTOR SHALL REMOVE THE DEWATERING AND EROSION CONTROL AND SEDIMENT CONTROL DEVICES/SYSTEMS AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN THE AREAS HAVE BEEN STABILIZED.

RESTORATION

29. ALL PAVING, STABILIZED EARTH, DRIVEWAYS, CURBS, SIDEWALKS, FENCES, SOD, LANDSCAPING, CULVERTS, ETC., DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED BY AND AT THE EXPENSE OF THE CONTRACTOR TO THE SATISFACTION OF THE DISTRICT.
30. ALL DAMAGED CONCRETE AND ASPHALT DRIVE SHALL BE REPLACED FROM RIGHT-OF-WAY LINE TO EDGE OF PAVEMENT.

ST. LUCIE COUNTY WATER & WASTEWATER CONSTRUCTION STANDARDS | GENERAL NOTES AND SPECIFICATIONS IV (27 - 30) | DATE APPROVED: DECEMBER 2015 | DRAWING NUMBER: G-4

CHEROKEE CONSULTING, INC
CIVIL ENGINEERS
5821 SW 51 TERRACE, MIAMI, FLORIDA 33155
Phone: 305.205.2361; E-Mail: kwgroce@att.net
Certificate of Authorization 27419

FP&L PORT ST LUCIE NUCLEAR PLANT
NEW FLEET GARAGE BUILDING
6501 SOUTH OCEAN DRIVE
JENSEN BEACH, FLORIDA
WATER & SEWER FACILITIES
PROFILE VIEW & NOTES

FPL

REVISIONS

Date	Remarks	By

KEN W. GROCE LICENSE No. 35944 STATE OF FLORIDA PROFESSIONAL ENGINEER 12-5-2022

THIS ITEM HAS BEEN DIGITALLY SIGNED BY KEN W. GROCE P.E. ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ELECTRONIC COPIES

For The Firm By:
KEN W. GROCE, P.E.
FL Reg. No. 35944
Civil Engineer

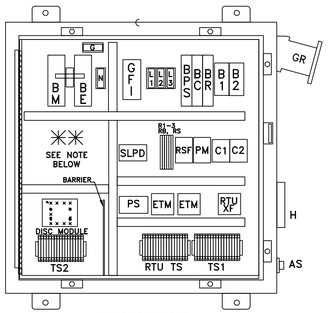
Scale: As Shown In Views	
Designed By:	KWG
Drawn By:	CDS
Checked By:	KWG
Date:	11.5.2022
Project No:	22-59

Sheet:
WS-2 2 OF 8

CONTROL CENTER DESIGNED & MANUFACTURED TO MEET ALL D.E.P. REQUIREMENTS

MOPS CONTROL CENTER

SEE SCHEDULE FOR ELECTRICAL SERVICE REQUIREMENTS



INTERIOR LAYOUT
(DOOR NOT SHOWN FOR CLARITY)

PANEL COMPONENTS

AL	ALARM LIGHT
ALT	ALTERNATOR (ON DISC)
AS	ALARM SILENCE SWITCH
B1-2	MOTOR BREAKERS
BC	CONTROL BREAKER
BE	EMERGENCY BREAKER
BM	MAIN BREAKER
BPS	POWER SUPPLY BREAKER
BR	RECEPTACLE BREAKER
C1-2	CONTACTOR, MOTOR START
GFI	CONVENIENCE RECEPTACLE
DISC	DUPLEX INTRINSICALLY SAFE CONTROLLER
ETM	ELAPSED TIME METER
G	GROUND BLOCK
GR	GENERATOR RECEPTACLE
H	HORN
HOA	HAND-OFF-AUTO SWITCH (ON DISC)
L1,2,3	POWER DISTRIBUTION BLOCK
N	NEUTRAL BLOCK
PL	PILOT LIGHT (ON DISC)
PM	PHASE MONITOR
PS	POWER SUPPLY
R1-3	RELAYS
RB	BATTERY RELAY
RS	SILENCE RELAY
RSF	SEAL FAIL RELAY
RTUXF	RTU TRANSFORMER
SLPD	SURGE/LIGHTNING PROTECTION DEV.
TS1	TERMINAL STRIP FOR PUMPS
TS2	TERMINAL STRIP FOR FLOATS

ENCLOSURE

NEMA 4X Stainless Steel
Single Door w/ Padlock Hasp
30"H x 30"W x 8"D

NOTES:

1. PANEL LABELED FOR U.L 508A "MOTOR CONTROL CENTERS" AND U.L. 698A "HAZARDOUS LOCATION PANELS" (INTRINSICALLY SAFE)
2. COMPLETE BACK-UP, SELF-CHARGING BATTERY, WITH VISUAL/AUDIO ALARM SYSTEM PER RSWF-45.
3. SEE CONTROL CENTER DETAIL SHEET FOR ANY ADDITIONAL NOTES.

27	NEU	NEU	120	120	+	-	GND	COM	SF1	SF2	T1	T2	T3	1	2	P1G
SPARE	NEU		120V	RTU TERMINALS (IF USED)				PUMP SEAL FAIL			MOTOR LEADS			MT1 MOTOR 1		GND

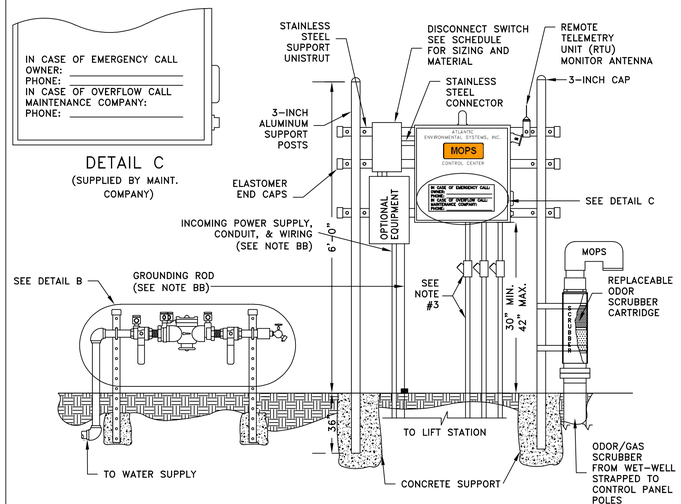
TS1 TERMINAL SCHEDULE

JUMPERS

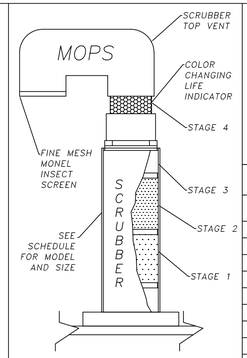
1	2	3	4	5	6	7	8
FS1 ALL OFF	FS2 CALL LEAD	FS3 CALL LAG	FS4 HIGH ALARM				

TS2 TERMINAL SCHEDULE

✳✳ THIS SPACE AVAILABLE FOR CAPACITORS FOR SINGLE PHASE OR TRANSFORMER FOR 460V.



CONTROL CENTER ASSEMBLY AND INSTALLATION N.T.S.



DETAIL A

MOPS ODOR/GAS SCRUBBER

NOTES:
1. SCRUBBER DESIGNED TO REMOVE TOXIC SEWAGE GASES, H2S, AND OFFENSIVE ODORS SUCH AS SKATOLES AND MERCAPTANS.
2. SCRUBBER'S LIFE EXPECTANCY CALCULATIONS ARE INCLUDED IN SHOP DRAWING SUBMITTALS.
3. SCRUBBER UNIT CAN BE MOUNTED INSIDE WET-WELL OR TOP MOUNTED.
4. MODEL 'B' SHOWN.

MOPS

MANUFACTURED ODORLESS PUMP STATION

ATLANTIC ENVIRONMENTAL SYSTEMS, INC.
LAKE WORTH, FL 33461
PH: (561) 547-8080 FAX: (561) 547-3999

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PRIVATE SERIES

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MOPS PUMP STATION SCHEDULE

MOPS SERIES		ITEM	DESCRIPTION	
INITIAL DESIGN FLOW (G.P.M.)	5 GPM		100 YEAR FLOOD ELEVATION	X Zone
INITIAL DESIGN HEAD (T.D.H.)	55 FT		25 YEAR FLOOD ELEVATION	X Zone
SECONDARY DESIGN FLOW (G.P.M.)	N/A	A	GRADE ELEVATION	+7.30 NAVD
SECONDARY DESIGN HEAD (T.D.H.)	N/A	B	TOP ELEVATION OF WET WELL	+7.80 NAVD
RATED PERFORMANCE SPEED	3450 RPM	C	BOTTOM ELEVATION OF WET WELL	+0.00 NAVD
RATED MOTOR HORSEPOWER	2.0	D	ALL PUMPS OFF ELEVATION	+2.00 NAVD
SUBMERSIBLE PUMP TYPE (P-1,P-2)	GRINDER	E	LEAD PUMP ON ELEVATION	+3.50 NAVD
PUMP MODEL NUMBER	MOPS	F	LAG PUMP ON ELEVATION	+3.00 NAVD
SERVICE ENTRANCE VOLTAGE	230	G	HIGH ALARM ELEVATION	+3.80 NAVD
SERVICE ENTRANCE PHASE	3	H	INSIDE DIAMETER OF WET-WELL	48"
CONTROL CENTER FULL LOAD AMPS	21	I	OUTSIDE DIAMETER OF ANTI-FLOATATION RING	84"
NEMA 3R PAINTED STEEL DISCONNECT SWITCH, RATED AMPS	30	J	MINIMUM CUBIC FEET OF CONCRETE BALLAST (CU YDS)	000/(0)
WET WELL SCOURER SYSTEM	N/A	K	INVERT PIPE DIAMETER	6"
REMOTE STATION MONITOR (TELEMETRY)	W/SA	L	FORCE MAIN DIAMETER	4"
ON-SITE GENERATOR SYSTEM	N/A	M	PRIMARY INVERT ELEVATION	+3.80 NAVD
		N	SECONDARY INVERT ELEVATION	N/A

MOPS EQUIPMENT IDENTIFICATION	QTY.	MODEL DESIGNATION
MOPS PUMP STATION	1	B22-4896-C-2.0
MOPS VALVE BOX ASSEMBLY (VBA)	1	VBA-22
MOPS ODOR/GAS SCRUBBER (OGS)	1	OGS-B
MOPS R.P.Z. ASSEMBLY	1	75
MOPS CONTROL CENTER	1	PSC-222-2.0
MOPS DISCONNECT SWITCH	1	FDS-30-3-2-PS
MOPS CONTROL CENTER MOUNTING ASSEMBLY	1	CCMA-32AL
MOPS WET WELL SCOURER SYSTEM	0	N/A
MOPS REMOTE STATION MONITOR	1	PROVIDED WITH SERVICE AGREEMENT
1st YEAR SERVICE/MAINTENANCE CONTRACT	1	LEVEL 1 WITH REMOTE MONITOR
MOPS ON-SITE GENERATOR SYSTEM	0	N/A
MOPS FIELD SERVICE WORK	1	CONTROL INSTALLATION & START-UP

MOPS PUMP STATION COMPLIANCE NOTES:

THIS PUMP STATION DESIGN COMPLIES WITH THE FOLLOWING REQUIRED STANDARDS:

- STATE OF FLORIDA ENVIRONMENTAL PROTECTION STANDARDS
- FLORIDA ADMINISTRATIVE CODE (F.A.C.): 62-640.400- COLLECTION AND TRANSMISSION SYSTEMS
- NATIONAL ELECTRIC CODE (NEC) CLASS 1, DIVISION 1, GROUP D- HAZARDOUS LOCATIONS
- UNDERWRITER'S LABORATORIES (U.L.) 508A-MOTOR CONTROL CENTERS AND U.L. 698A-INSTRINSICALLY SAFE CONTROL CENTERS
- RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES (1997 EDITION).

1. PUMPS ARE RATED BY FACTORY MUTUAL FOR CLASS 1, DIVISION 1, GROUP D ATMOSPHERES AS REQUIRED BY NEC.
2. THE CONTROL CENTER INCORPORATES INTRINSICALLY SAFE RELAYS AND IS LISTED TO UL 698A INTRINSICALLY SAFE FOR CLASS 1, DIVISION 1 ATMOSPHERES.
3. THE CONDUIT PROVIDED, ALONG WITH CONDUIT GAS-SEAL-OFFS, ARE RATED FOR CLASS 1, DIVISION 1 LOCATIONS.
4. THE WASTEWATER PUMPS AND THE CONTROL CENTER INCORPORATE A MECHANICAL SEAL FAILURE DETECTION AND NOTIFICATION SYSTEM.
5. THE CONTROL CENTER INCLUDES EITHER A REMOTE TELEMETRY UNIT (RTU) OR A SELF-CHARGING, BACK-UP ALARM SYSTEM TO OPERATE ON POWER FAILURE.
6. THE PUMP STATION INCORPORATES AN ODORLESS DESIGN WITH A SCRUBBER SYSTEM TO CONTROL TOXIC GASES AND ODORS FOR COMPLIANCE TO F.A.C. 62-604.400.
7. THE BOTTOM OF THE TOP RIM ELEVATION OF PUMP STATION MUST BE LOCATED AT A HIGHER ELEVATION THAN THE 25 YEAR FLOOD ELEVATION. THE LISTED 25 YEAR FLOOD ELEVATION PROVIDED BY SITE CIVIL ENGINEER.
8. THE BOTTOM ELEVATION OF THE MOPS CONTROL CENTER MUST BE LOCATED AT A HIGHER ELEVATION THAN THE 100 YEAR FLOOD ELEVATION. THE LISTED 100 YEAR FLOOD ELEVATION PROVIDED BY THE SITE CIVIL ENGINEER.

MOPS ENGINEERING NOTES:

AA. THE HORSEPOWER SHOWN ON THE SCHEDULE IS A MINIMUM HORSEPOWER REQUIREMENT BASED ON THE STATION'S DESIGN CRITERIA AND THE REQUIRE TORQUE. (LOWER RATED HORSEPOWER EQUIPMENT WILL NOT BE ACCEPTABLE.)
BB. THESE ITEMS ARE NOT SUPPLIED BY A.E.S. WITH THE MOPS STATION.
CC. INVERT ELEVATIONS BASED ON INSIDE BOTTOM OF PIPE.
DD. THE MOPS CONTROL ASSEMBLY CONSISTS OF THE FOLLOWING: CONTROL CENTER DISCONNECT SWITCH, MOUNTING ASSEMBLY, ELECTRICAL CONDUITS, AND SEAL-OFF. THESE ITEMS MUST BE SUPPLIED AND INSTALLED BY THE MOPS PUMP STATION MANUFACTURER TO VALIDATE MOPS WARRANTY PROGRAM.
EE. FOR STATIONS IN MIAMI-DADE COUNTY, THE MOPS PUMP STATION IS SUPPLIED WITH A REMOTE TELEMETRY MONITORING UNIT AND A.E.S. MAINTENANCE SERVICE. THE R.T.U. ALLOWS FOR MONITORING OF LAG ALARM, HIGH ALARM, AND POWER FAILURE PER CHAPTER 24.42.2(5). THE R.T.U. IS EQUIPPED WITH A BATTERY BACK UP AND IS INSTALLED ABOVE THE 100 YEAR FLOOD ELEVATION.

THE MOPS WASTEWATER PUMP STATION DESIGN AND EQUIPMENT SHOWN ON THIS DRAWING HAS BEEN REVIEWED, PERMITTED, AND CERTIFIED AS COMPLYING WITH ALL THE STATE OF FLORIDA D.E.P. AND LOCAL REQUIREMENTS. ANY SUBSTITUTION FROM THIS DESIGN MAY REQUIRE NEW PERMITS, APPLICATION FEES, AND ENGINEERING SERVICES FOR RE-CERTIFICATION AND DESIGN REVIEW.

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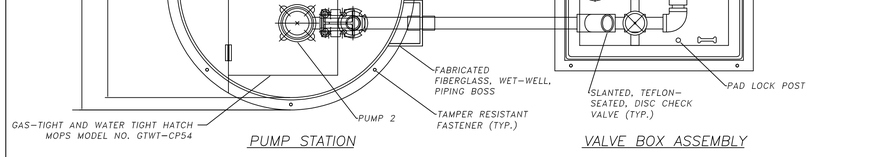
CHECK POSITIVE RESPONSE CODES BEFORE YOU DIG

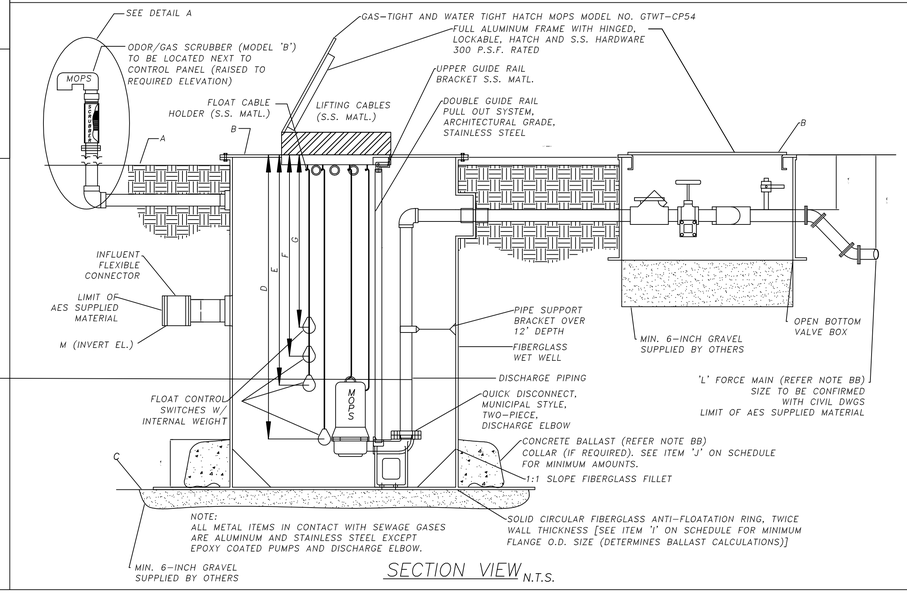
PRIVATE PUMP STATION MECHANICAL DETAILS



PUMP STATION

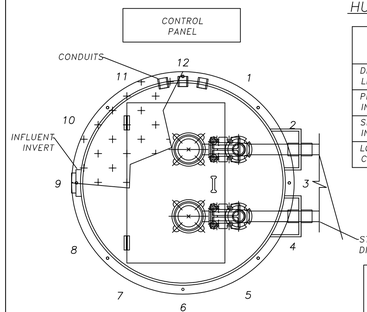
VALVE BOX ASSEMBLY

TOP VIEW N.T.S.



SECTION VIEW N.T.S.

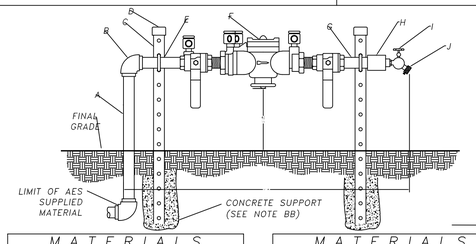
HUB AND INVERT LOCATION



ITEMS	CLOCK POSITION
DISCHARGE LINES	3:00
PRIMARY INVERT	9:00
SECONDARY INVERT	N/A
LOCATION OF CONTROL PANEL	12:00

SCHEMATIC BASED ON THE STATION'S DISCHARGE BEING LOCATED AT THE #3 CLOCK POSITION. SEE SCHEDULE FOR LOCATION OF INVERTS AND CONTROL PANEL. LOCATIONS SUBJECT TO CHANGE.

NOTE: BACKFILL AROUND LIFT STATION FROM ANTI-FLOATATION RING UP TO FINISHED GRADE SHALL BE COMMON FILL COMPACTED IN 12-INCH MAX. LIFTS TO 98% DENSITY PER AASHTO T-180. CONTRACTOR SHALL EXERCISE CARE NOT TO DAMAGE WETWELL DURING COMPACTION.



MATERIALS		
ITEM	QTY.	DESCRIPTION
A	1	3/4" x 36" S.S. NIPPLE
B	1	3/4" S.S. 90° ELBOW
C	2	1-5/8"x1-5/8"x40" S.S. SUPPORT BRACKET
D	2	SUPPORT BRACKET CAPS P/N 1598
E	2	3/4" S.S. PIPE BOLTS

MATERIALS		
ITEM	QTY.	DESCRIPTION
F	1	3/4" APP. BACKFLOW PREVENTER
G	1	3/4" x 6" S.S. NIPPLE
H	1	3/4" x 3/4" S.S. COUPLING
I	1	3/4" BRONZE HOSE BIB
J	1	3/4" VACUUM BREAKER

DETAIL B

R.P.Z. BACKFLOW PREVENTER ASSEMBLY DETAIL

U.S.C. AND A.S.S.E. APPROVED N.T.S.

CHEROKEE CONSULTING, INC
CIVIL ENGINEERS
5821 SW 51 TERRACE, MIAMI, FLORIDA 33155
Phone: 305.205.2361; E-Mail: kwgroce@att.net
Certificate of Authorization 27419

FP&L PORT ST LUCIE NUCLEAR PLANT
NEW FLEET GARAGE BUILDING
6501 SOUTH OCEAN DRIVE
JENSEN BEACH, FLORIDA
WATER & SEWER FACILITIES
PRIVATE PUMP STATION MECHANICAL

FPL

REVISIONS

Date	Remarks	By

KEN W. GROCE LICENSE No. 35944 STATE OF FLORIDA PROFESSIONAL ENGINEER

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For The Firm By:
KEN W. GROCE, P.E.
FL. Reg. No. 35944
Civil Engineer

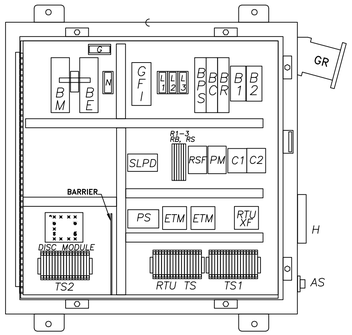
Scale:	As Shown In Views
Designed By:	KWG
Drawn By:	CDS
Checked By:	KWG
Date:	11.5.2022
Project No:	22-59

Sheet:
WS-3 3 OF 8

CONTROL CENTER DESIGNED & MANUFACTURED TO MEET ALL D.E.P. REQUIREMENTS

MOPS CONTROL CENTER

SEE SCHEDULE FOR ELECTRICAL SERVICE REQUIREMENTS



INTERIOR LAYOUT
(DOOR NOT SHOWN FOR CLARITY)

TS1 TERMINAL SCHEDULE

27	NEU	NEU	120	+	–	GND	COM	SF1	SF2	T1	T2	T3	1	2	P1	T1	T2	T3	1	2	P2	G
RSXFX	NEU		120V	RTU TERMINALS (IF USED)			PUMP SEAL FAIL			MOTOR 1 LEADS			MT1 CMOTOR 1		G N D	MOTOR 2 LEADS			MT2 MOTOR 2			G N D

JUMPERS

1	2	3	4	5	6	7	8
FS1 ALL OFF		FS2 CALL LEAD		FS3 CALL LAG		FS4 HIGH ALARM	

TS2 TERMINAL SCHEDULE

PANEL COMPONENTS

AL	ALARM LIGHT
ALT	ALTERNATOR (ON DISC)
AS	ALARM SILENCE SWITCH
B1–2	MOTOR BREAKERS
BC	CONTROL BREAKER
BE	EMERGENCY BREAKER
BM	MAIN BREAKER
BPS	POWER SUPPLY BREAKER
BR	RECEPTACLE BREAKER
C1–2	CONTACTOR, MOTOR START
GFI	CONVENIENCE RECEPTACLE
DISC	DUPLEX INTRINSICALLY SAFE CONTROLLER
ETM	ELAPSED TIME METER
G	GROUND BLOCK
GR	GENERATOR RECEPTACLE
H	HORN
HOA	HAND–OFF–AUTO SWITCH (ON DISC)
L1,2,3	POWER DISTRIBUTION BLOCK
N	NEUTRAL BLOCK
PL	PILOT LIGHT (ON DISC)
PM	PHASE MONITOR
PS	POWER SUPPLY
R1–3	RELAYS
RB	BATTERY RELAY
RS	SILENCE RELAY
RSF	SEAL FAIL RELAY
RTUXF	RTU TRANSFORMER
SLPD	SURGE/LIGHTNING PROTECTION DEV.
TS1	TERMINAL STRIP FOR PUMPS
TS2	TERMINAL STRIP FOR FLOATS

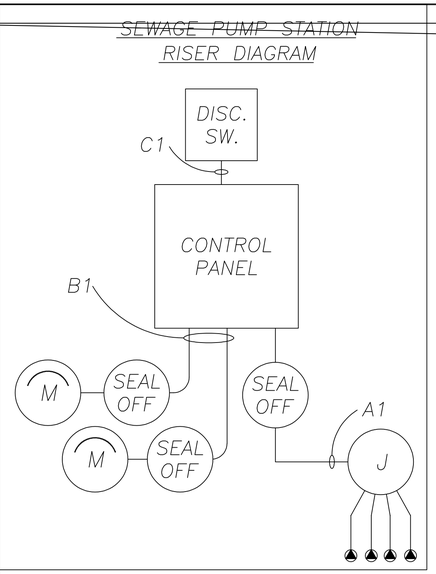
ENCLOSURE

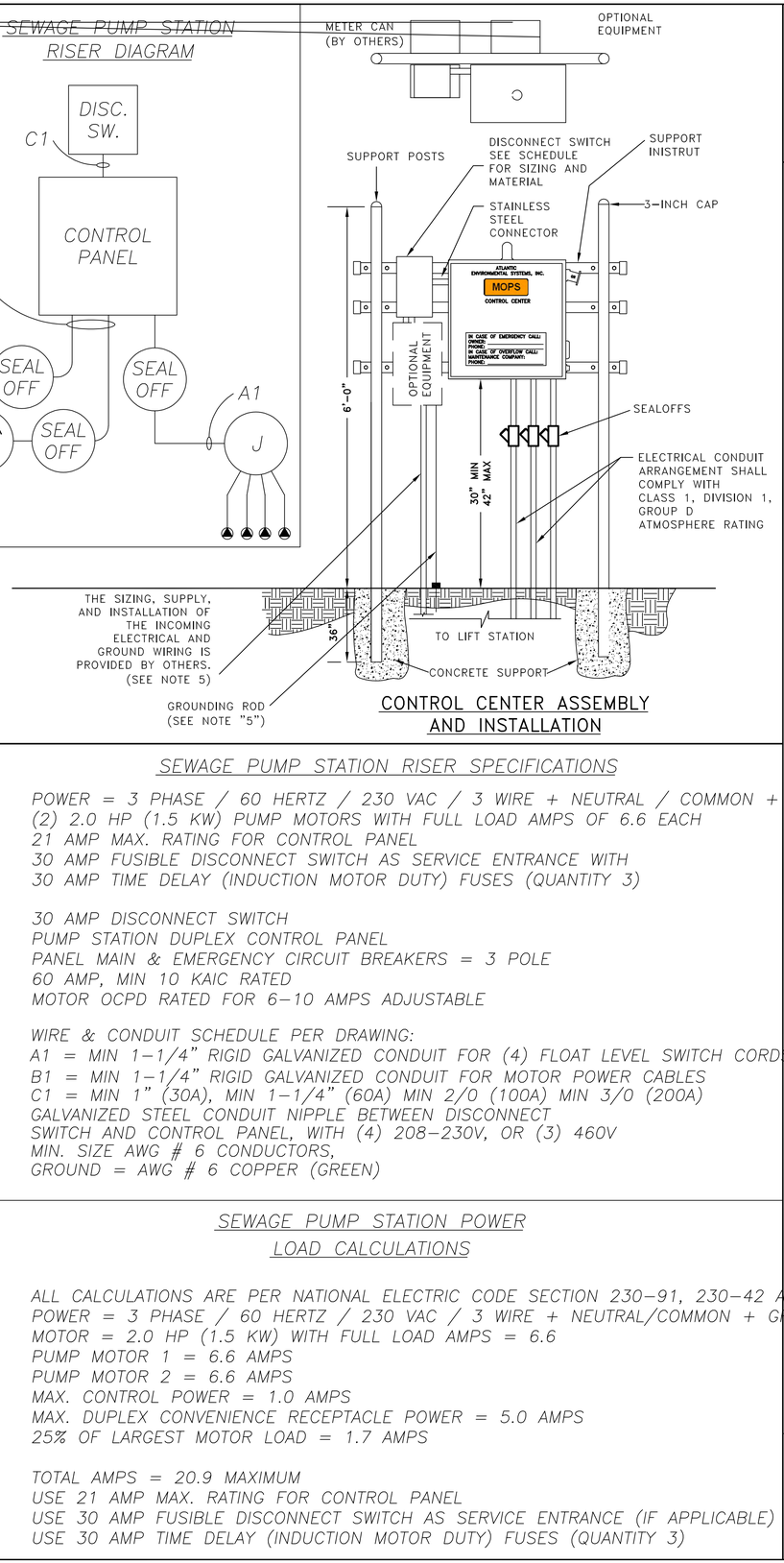
NEMA 4X Stainless Steel
Single Door w/ Padlock Hasp
30"H x 30" W x 8" D

NOTES:

1. PANEL LABELED FOR U.L 508A "MOTOR CONTROL CENTERS" AND U.L. 698A "HAZARDOUS LOCATION PANELS" (INTRINSICALLY SAFE)
2. COMPLETE BACK–UP, SELF–CHARGING BATTERY, WITH VISUAL/AUDIO ALARM SYSTEM PER RSWF–45.
3. SEE CONTROL PANEL DETAIL SHEET FOR ADDITIONAL NOTES.

SEWAGE PUMP STATION RISER DIAGRAM





CONTROL CENTER ASSEMBLY AND INSTALLATION

ELECTRICAL NOTES AND CHECK LIST

1. RISER DIAGRAM
   - 1.A. SEE DIAGRAM (POWER METER ON REAR SIDE OF CONTROL CENTER MOUNTING ASSEMBLY, WHEN APPLICABLE.)
   - 1.B. ALL PRE–WIRED CONTROL PANELS SHALL BE U.L. LISTED AND LABELED, PRIOR TO INSTALLATION.
   - 1.C. AMPS INTERRUPTING CAPACITY NOTED ON RISER DIAGRAM.
   - 1.D. SEAL OFFS SHALL BE USED AND CONFORM TO N.E.C. CH. 500 ON EACH WETWELL CONDUIT.
   - 1.E. ALL SERVICE EQUIPMENT SHALL HAVE A FUSIBLE DISCONNECT AND SHALL BE SERVICE RATED (WHERE APPLICABLE.)
   - 1.F. SUPPORT RACK DETAIL AND MATERIALS OF CONSTRUCTION ARE SHOWN ON PUMP STATION DRAWING.
   - 1.G. ALL EQUIPMENT SHALL COMPLY WITH N.E.C. 430–120 (ALL BREAKERS SHALL BE CAPABLE OF BEING LOCKED IN THE OPEN POSITION WHEN REQUIRED.)
2. PANEL SCHEDULE
   - 2.A. SERVICE AND METER ATTACHED TO BACK SIDE OF MOPS PUMP STATION CONTROL CENTER (WHEN APPLICABLE.)
3. LOAD CALCULATIONS
   - 3.A. NOTE LOAD CALCULATIONS IN DETAIL; NEUTRAL SHALL NOT BE DERATED.
4. MISCELLANEOUS
   - 4.A. ALL ELECTRICAL EQUIPMENT AND APPURTENANCES ARE IN COMPLIANCE WITH N.E.C. 110–16.
   - 4.B. CIRCUIT NUMBERS NOT APPLICABLE TO THIS PUMP STATION.
   - 4.C. CONDUIT SEAL–OFFS SHALL BE USED IN ACCORDANCE WITH N.E.C. SECTION 500–5–1 AND 500–5–A.
   - 4.D. PUMP STATION IS RATED CLASS 1, DIVISION 1, GROUP D, FOR HAZARDOUS LOCATION.
   - 4.E. ALL CABLES SHALL BE LISTED WITH A N.R.T.L. FOR USE AND APPLICATION. SUBMERSIBLE PUMP MOTOR CABLES WILL BE SUPPLIED INTEGRAL WITH THE MOTOR BY MANUFACTURER.
   - 4.F. FOR STATIONS IN MIAMI–DADE COUNTY, THE MOPS PUMP STATION IS SUPPLIED WITH A REMOTE–TELEMETRY MONITORING UNIT THROUGH THE A.E.S. MAINTENANCE SERVICE PROGRAM, THE R.T.U. ALLOWS FOR MONITORING OF THE LAG ALARM, HIGH ALARM, AND POWER FAILURE PER CHAPTER 24.42.2(5). THE R.T.U. IS EQUIPPED WITH A BATTERY BACK UP AND IS INSTALLED ABOVE THE 100 YEAR FLOOD ELEVATION.
5. INCOMING POWER SUPPLY AND GROUNDING
   - 5.A. THE DESIGN, SUBMITTAL, SUPPLY, SIZING, AND INSTALLATION OF ALL INCOMING POWER FEEDS, GROUNDING, AND GROUNDING CONDUCTORS ARE TO BE PROVIDED BY OTHERS; AND ARE REQUIRED TO COMPLY WITH THE NATIONAL ELECTRIC CODE AND ALL OTHER LOCAL BUILDING CODES.

SEWAGE PUMP STATION RISER SPECIFICATIONS

POWER = 3 PHASE / 60 HERTZ / 230 VAC / 3 WIRE + NEUTRAL / COMMON + GROUND
(2) 2.0 HP (1.5 KW) PUMP MOTORS WITH FULL LOAD AMPS OF 6.6 EACH
21 AMP MAX. RATING FOR CONTROL PANEL
30 AMP FUSIBLE DISCONNECT SWITCH AS SERVICE ENTRANCE WITH
30 AMP TIME DELAY (INDUCTION MOTOR DUTY) FUSES (QUANTITY 3)

30 AMP DISCONNECT SWITCH
PUMP STATION DUPLEX CONTROL PANEL
PANEL MAIN & EMERGENCY CIRCUIT BREAKERS = 3 POLE
60 AMP, MIN 10 KAIC RATED
MOTOR OCPD RATED FOR 6–10 AMPS ADJUSTABLE

WIRE & CONDUIT SCHEDULE PER DRAWING:
A1 = MIN 1–1/4" RIGID GALVANIZED CONDUIT FOR (4) FLOAT LEVEL SWITCH CORDS
B1 = MIN 1–1/4" RIGID GALVANIZED CONDUIT FOR MOTOR POWER CABLES
C1 = MIN 1" (30A), MIN 1–1/4" (60A) MIN 2/0 (100A) MIN 3/0 (200A)
GALVANIZED STEEL CONDUIT NIPPLE BETWEEN DISCONNECT
SWITCH AND CONTROL PANEL, WITH (4) 208–230V, OR (3) 460V
MIN. SIZE AWG # 6 CONDUCTORS,
GROUND = AWG # 6 COPPER (GREEN)

SEWAGE PUMP STATION POWER LOAD CALCULATIONS

ALL CALCULATIONS ARE PER NATIONAL ELECTRIC CODE SECTION 230–91, 230–42 AND 220.
POWER = 3 PHASE / 60 HERTZ / 230 VAC / 3 WIRE + NEUTRAL/COMMON + GROUND
MOTOR = 2.0 HP (1.5 KW) WITH FULL LOAD AMPS = 6.6
PUMP MOTOR 1 = 6.6 AMPS
PUMP MOTOR 2 = 6.6 AMPS
MAX. CONTROL POWER = 1.0 AMPS
MAX. DUPLEX CONVENIENCE RECEPTACLE POWER = 5.0 AMPS
25% OF LARGEST MOTOR LOAD = 1.7 AMPS

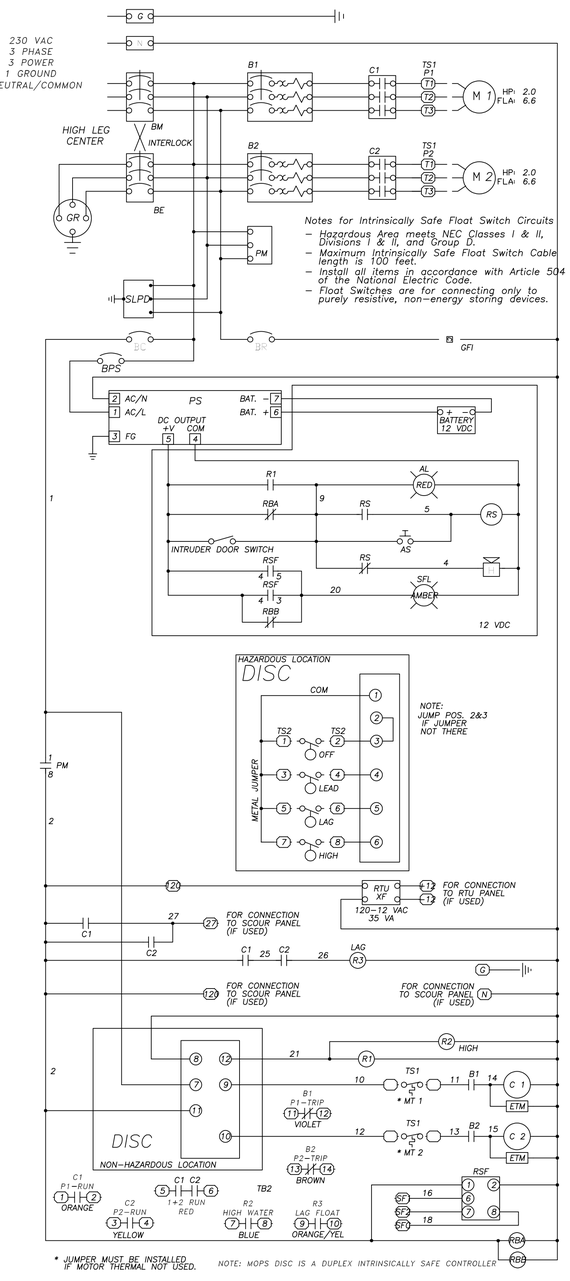
TOTAL AMPS = 20.9 MAXIMUM
USE 21 AMP MAX. RATING FOR CONTROL PANEL
USE 30 AMP FUSIBLE DISCONNECT SWITCH AS SERVICE ENTRANCE (IF APPLICABLE)
USE 30 AMP TIME DELAY (INDUCTION MOTOR DUTY) FUSES (QUANTITY 3)

MOPS

MANUFACTURED ODORLESS PUMP STATION
ATLANTIC ENVIRONMENTAL
LAKE WORTH, FL 33461
PH: (561) 547–8080 FAX: (561) 547–3999 © 2001

MOPS MANUFACTURED PUMP STATIONS ARE DESIGNED TO MEET THE MINIMUM REQUIREMENTS OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S STANDARDS FOR SEWAGE LIFT STATIONS, INCLUDING THOSE STANDARDS AS DESCRIBED IN THE FLORIDA ADMINISTRATIVE CODE. THE PRIMARY PURPOSE OF THIS DRAWING IS TO RELAY ELECTRICAL REQUIREMENTS AND TO SHOW CONTROL SYSTEMS FOR THE LIFT STATION BY A.E.S.

THIS DRAWING AND THE DESIGN CONTAINED HEREIN IS PROPRIETARY AND IS AND SHALL REMAIN THE PROPERTY OF ATLANTIC ENVIRONMENTAL SYSTEMS, INC. THIS DRAWING AND DESIGN SHOULD BE USED ONLY FOR THE PURPOSE FOR WHICH IT IS INTENDED AND ONLY WITH WRITTEN AUTHORIZATION FROM ATLANTIC ENVIRONMENTAL SYSTEMS, INC. ANY REPRODUCTION, IN WHOLE OR IN PART, MUST CLEARLY SHOW THE ATLANTIC ENVIRONMENTAL NAME AND ADDRESS IN THE REPRODUCTION.



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PRIVATE PUMP STATION ELECTRICAL DETAILS

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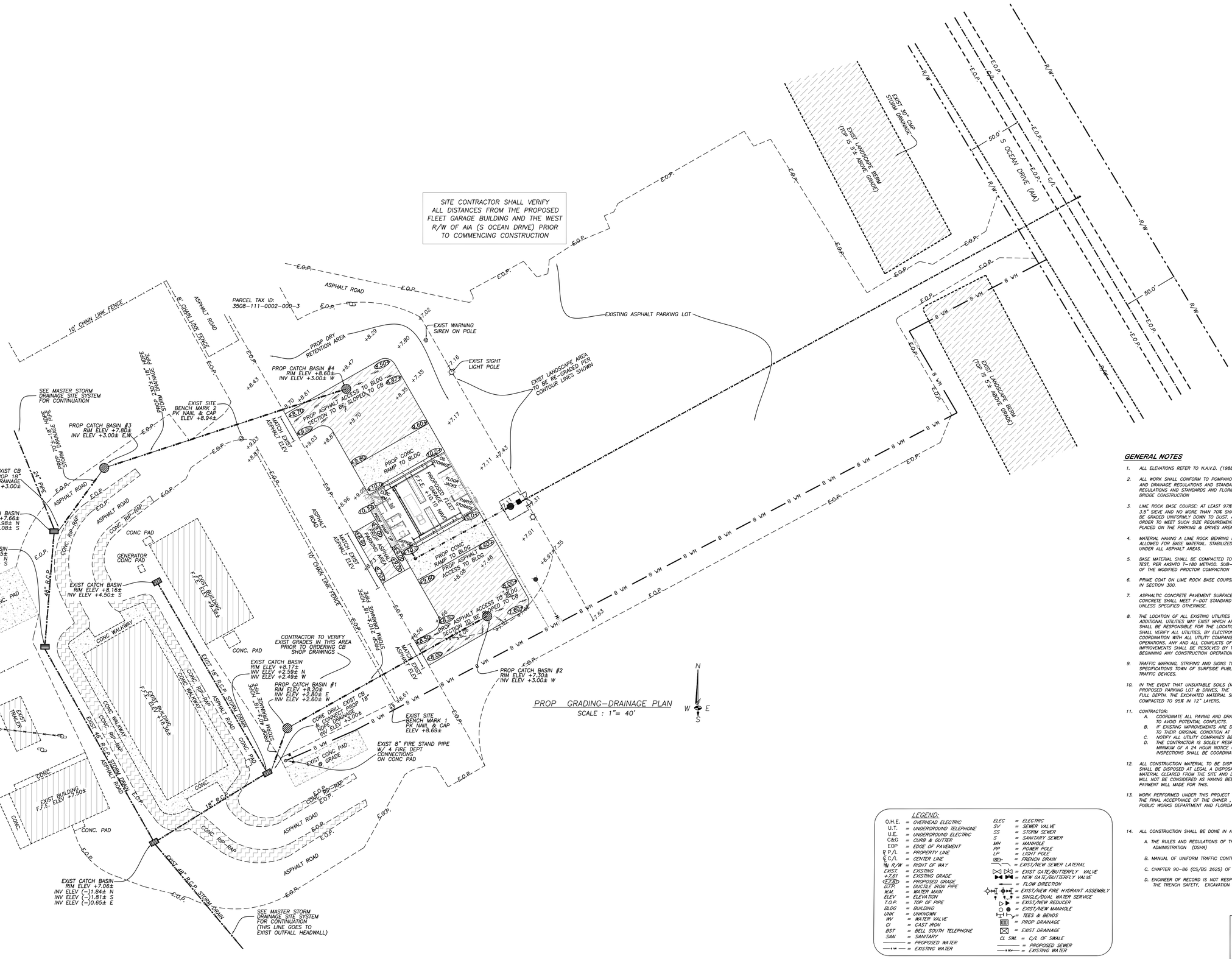

GENERAL NOTES

1. ALL ELEVATIONS REFER TO N.A.V.D. (1988 DATUM).
2. ALL WORK SHALL CONFORM TO POMPANO BEACH PUBLIC WORKS DEPARTMENT'S GRADING AND DRAINAGE REGULATIONS AND STANDARDS, RER'S STORMWATER MANAGEMENT REGULATIONS AND STANDARDS AND FLORIDA D.O.T. STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION
3. LIME ROCK BASE COURSE: AT LEAST 97% (BY WEIGHT) OF THE MATERIAL SHALL PASS A 3.5" SIEVE AND NO MORE THAN 70% SHALL PASS A 3/4" SIEVE AND THE MATERIAL SHALL BE GRADED UNIFORMLY DOWN TO DUST. ALL CRUSHING WHICH MIGHT BE NECESSARY IN ORDER TO MEET SUCH SIZE REQUIREMENT SHALL BE DONE BEFORE THE MATERIAL IS PLACED ON THE PARKING & DRIVES AREA.
4. MATERIAL HAVING A LIME ROCK BEARING RATIO (L.B.R.) LESS THAN 100 WILL NOT BE ALLOWED FOR BASE MATERIAL. STABILIZED SUB-BASE SHALL HAVE A MIN. L.B.R.= 40 UNDER ALL ASPHALT AREAS.
5. BASE MATERIAL SHALL BE COMPACTED TO 98% OF THE MODIFIED PROCTOR COMPACTION TEST, PER AASHTO T-180 METHOD. SUB-BASE MATERIAL SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR COMPACTION TEST, PER AASHTO T-180 METHOD.
6. PRIME COAT ON LIME ROCK BASE COURSE SHALL MEET F-D.O.T. STANDARD AS SET FORTH IN SECTION 300.
7. ASPHALTIC CONCRETE PAVEMENT SURFACE SHALL BE OF TYPE S-3. TYPE S-3 ASPHALTIC CONCRETE SHALL MEET F-DOT STANDARD SPECIFICATIONS AS SET FORTH IN SECTION 331, UNLESS SPECIFIED OTHERWISE.
8. THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITIES, BY ELECTRONIC METHODS AND/OR BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS SHALL BE RESOLVED BY THE ENGINEER AND THE OWNER PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS.
9. TRAFFIC MARKING, STRIPING AND SIGNS TO BE IN CONFORMANCE WITH MIAMI-DADE COUNTY SPECIFICATIONS TOWN OF SURFSIDE PUBLIC WORKS AND NATIONAL MANUAL ON UNIFORM TRAFFIC DEVICES.
10. IN THE EVENT THAT UNSUITABLE SOILS (MUCK) ARE FOUND WITHIN THE LIMITS OF THE PROPOSED PARKING LOT & DRIVES, THE CONTRACTOR SHALL REMOVE SAID SOILS TO ITS FULL DEPTH. THE EXCAVATED MATERIAL SHALL BE SUBSTITUTED WITH 40 LBR SOILS COMPACTED TO 95% IN 12" LAYERS.
11. CONTRACTOR:
    - A. COORDINATE ALL PAVING AND DRAINAGE WORK WITH WATER & SEWER CONTRACTOR TO AVOID POTENTIAL CONFLICTS.
    - B. IF EXISTING IMPROVEMENTS ARE DAMAGED, THE CONTRACTOR SHALL RESTORE THEM TO THEIR ORIGINAL CONDITION AT THE BEGINNING OF YOUR WORK.
    - C. NOTIFY ALL UTILITY COMPANIES BEFORE STARTING WORK.
    - D. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR COORDINATING AND GIVING A MINIMUM OF A 24 HOUR NOTICE OF REQUIRED SCHEDULED INSPECTIONS. ALL INSPECTIONS SHALL BE COORDINATED WITH THE RESPECTIVE AGENCIES.
12. ALL CONSTRUCTION MATERIAL TO BE DISPOSED (RUBBISH, DEBRIS EXCESS FILL, ETC.) SHALL BE DISPOSED AT LEGAL A DISPOSAL SITE OR BY OTHER PRIOR APPROVED MANNER. MATERIAL CLEARED FROM THE SITE AND DEPOSITED ON ADJACENT OR NEARBY PROPERTY WILL NOT BE CONSIDERED AS HAVING BEEN DISPOSED SATISFACTORILY. NO SEPARATE PAYMENT WILL MADE FOR THIS.
13. WORK PERFORMED UNDER THIS PROJECT WILL NOT BE CONSIDERED AS COMPLETE UNTIL THE FINAL ACCEPTANCE OF THE OWNER , ENGINEER OF RECORD, RER, THE RESPECTIVE PUBLIC WORKS DEPARTMENT AND FLORIDA DEPARTMENT OF TRANSPORTATION.
14. ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANOR PER THE FOLLOWING STANDARDS:
    - A. THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)
    - B. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD LATEST EDITION)
    - C. CHAPTER 90-86 (CS/BS 2625) OF THE FLORIDA TRENCH SAFETY ACT
    - D. ENGINEER OF RECORD IS NOT RESPONSIBLE FOR THE DESIGN OR MAINTENANCE OF THE TRENCH SAFETY, EXCAVATION OR SHORING

LEGEND:

O.H.E.	= OVERHEAD ELECTRIC	ELEC	= ELECTRIC
U.T.	= UNDERGROUND TELEPHONE	SV	= SEWER VALVE
U.E.	= UNDERGROUND ELECTRIC	SS	= STORM SEWER
C&G	= CURB & GUTTER	S	= SANITARY SEWER
EOP	= EDGE OF PAVEMENT	MH	= MANHOLE
P/L	= PROPERTY LINE	PP	= POWER POLE
C/L	= CENTER LINE	LP	= LIGHT POLE
R/W	= RIGHT OF WAY	FD	= FRENCH DRAIN
EXIST.	= EXISTING	8 WM	= EXIST/NEW SEWER LATERAL
+7.61	= EXISTING GRADE		= EXIST GATE/BUTTERFLY VALVE
(7.80)	= PROPOSED GRADE		= NEW GATE/BUTTERFLY VALVE
D.I.P.	= DUCTILE IRON PIPE		= FLOW DIRECTION
W.M.	= WATER MAIN		= EXIST/NEW FIRE HYDRANT ASSEMBLY
ELEV	= ELEVATION		= SINGLE/DUAL WATER SERVICE
T.O.P.	= TOP OF PIPE		= EXIST/NEW REDUCER
BLDG	= BUILDING		= EXIST/NEW MANHOLE
UNK	= UNKNOWN		= TEES & BENDS
WV	= WATER VALVE		= PROP DRAINAGE
CI	= CAST IRON		= EXIST DRAINAGE
BST	= BELL SOUTH TELEPHONE	CL SWL	= C/L OF SWALE
SAN	= SANITARY		= PROPOSED SEWER
8 WM	= PROPOSED WATER		= EXISTING WATER
	= EXISTING WATER		

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GRADING & DRAINAGE FACILITIES PLAN VIEW & NOTES

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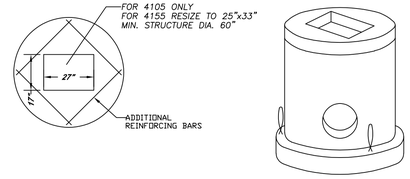


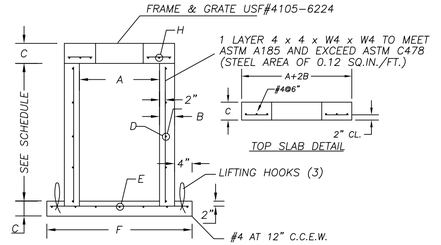
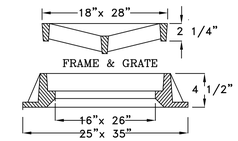


TABLE OF DIMENSIONS								
AØ	B	C	D	E* C.C.E.W.	FØ	GØ	H* C.C.E.W.	HOLDING CAPACITY (APPROX.)
3'-6"	4"	8"	ASTM C-478	#4 AT 12"	4'-8"	4'-2"	#4 AT 6"	72
3'-6"	6"	8"	ASTM C-478	#4 AT 12"	5'-0"	4'-6"	#4 AT 6"	72
4'-0"	6"	8"	ASTM C-478	#4 AT 12"	6'-0"	5'-0"	#4 AT 6"	94
4'-0"	8"	8"	ASTM C-478	#4 AT 12"	6'-4"	5'-4"	#4 AT 6"	94
5'-0"	8"	8"	ASTM C-478	#5 AT 12"	7'-4"	6'-4"	#5 AT 6"	147
6'-0"	6"	8"	ASTM C-478	#5 AT 6"	8'-0"	7'-0"	#5 AT 6"	211
6'-0"	8"	8"	ASTM C-478	#5 AT 6"	8'-4"	7'-4"	#5 AT 6"	211
7'-0"	8	8"	ASTM C-478	#5 AT 6"	9'-4"	8'-4"	#5 AT 6"	288
8'-0"	10"	10"	ASTM C-478	#5 AT 6"	10'-8"	9'-8"	#6 AT 6"	376
10'-0"	12"	12"	ASTM C-478	#5 AT 6"	12'-0"	12'-0"	#6 AT 6"	587

*GRADE 40, OR FOR EQUIVALENT STEEL DESIGNS.

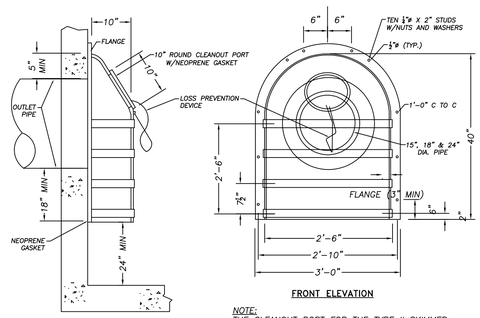
MIN. SUMP TO BE 18" FOR PIPES
WITHOUT BAFFLE OR 42" FOR
PIPE WITH BAFFLES (TO FD)

TYPE "C" CATCH BASIN
42"-120" ROUND STRUCTURE



USF # 4105
FRAME & GRATE

STRUCTURE SCHEDULE									
STRUCTURE NUMBER	RIM ELEVATION	INVERT ELEVATION				FLOOR ELEVATION	GRATE TYPE	STRUCTURE TYPE
		N	S	E	W			
CB #1	+8.20	N.A.	N.A.	+2.80	+2.60*	(-)0.90	USF 4105	60"Ø
CB #2	+8.30	N.A.	N..A.	N.A.	+3.00	+1.00	USF 4105	48"Ø
CB #3	+8.60	N.A.	N.A.	+3.00	+3.00	+1.00	USF 4105	60"Ø
CB #4	+7.80	N.A.	N..A	N.A.	+3.00*	+0.00	USF 4105	48"Ø



NOTE:
THE CLEANOUT PORT FOR THE TYPE II SKIMMER SHALL BE GASKETED, WITH EITHER A THREADED SCREW-IN LID OR A LID SECURED BY FOUR STAINLESS STEEL QUICK-RELEASE LATCHES.

TYPE II SKIMMER - GENERAL NOTES:

1. THE FRENCH DRAIN SKIMMER IS A HOODED COVER, MOUNTED OVER AN OUTLET IN A CATCH BASIN, THAT PREVENTS OIL AND FLOATING DEBRIS FROM EXITING THE BASIN. USE THIS SKIMMER IN FRENCH DRAIN CONNECTED CATCH BASINS AND IN OTHER LOCATIONS WERE THERE IS A NEED TO PREVENT OIL, DEBRIS OR OTHER FLOATING CONTAMINANTS FROM EXITING CATCH BASINS THROUGH OUTLET PIPES.
2. PLACE THE NEOPRENE GASKET MATERIAL BETWEEN THE SKIMMER AND THE CATCH BASIN AT ALL POINTS OF CONTACT. TRIM THE GASKET NEATLY TO EXTEND ½" BEYOND THE JOINT.
3. SKIMMER BAFFLE, CLEANOUT PIPE, AND ANGLES SHALL BE PRIMARILY CONSTRUCTED OF EITHER GALVANIZED STEEL, ALUMINUM, POLYVINYL CHLORIDE, POLYETHYLENE, FIBERGLASS OR ACRYLONITRITE BUTADIENE STYRENE. ALL STEEL COMPONENTS, OTHER THAN STAINLESS, SHALL BE HOT-DIP GALVANIZED.
4. MOUNTING HARDWARE, HINGES, AND LATCHES SHALL ALL BE STAINLESS STEEL. THE LOSS PREVENTION DEVICE SHALL BE EITHER A STAINLESS STEEL CHAIN OR RIVETED NYLON STRAP.
5. MATERIAL USED IN CONSTRUCTION OF SKIMMER BODIES (BAFFLES) AND CLEANOUT PIPE SHALL COMPLY WITH STANDARD SPECIFICATION #943 FOR STEEL, #945 FOR ALUMINUM, OR #948 FOR PLASTICS.
6. ALL COSTS FOR FURNISHING AND INSTALLING A FRENCH DRAIN SKIMMER SHALL BE INCLUDED IN THE COST OF THE CATCH BASIN IN WHICH IT IS INSTALLED. RETROFIT SKIMMERS SHALL BE PAID FOR AS 'MODIFICATION OF EXISTING STRUCTURE'.
7. PLASTIC SKIMMERS SHALL CONTAIN A MINIMUM OF 1.5%, BY WEIGHT, CARBON BLACK FOR UV PROTECTION.

FDOT TYPE II BAFFLE DETAIL

CHEROKEE CONSULTING, INC
CIVIL ENGINEERS
5821 SW 51 TERRACE, MIAMI, FLORIDA 33155
Phone: 305.205.2361; E-Mail: kwgroce@att.net
Certificate of Authorization 27419

FP&L PORT ST LUCIE NUCLEAR PLANT
NEW FLEET GARAGE BUILDING
6501 SOUTH OCEAN DRIVE
JENSEN BEACH, FLORIDA
GRADING & DRAINAGE FACILITIES
STANDARD DETAILS

FPL

REVISIONS

By	Date	Remarks

KEN W. GROCE
LICENSE
No. 35944
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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For The Firm By:
KEN W. GROCE, P.E.
FL. Reg. No. 35944
Civil Engineer

Scale:	As Shown In Views
Designed By:	KWG
Drawn By:	CDS
Checked By:	KWG
Date:	11.5.2022
Project No:	22-59

Sheet:
PD-2 6 OF 8

SITE CONTRACTOR SHALL VERIFY ALL DISTANCES FROM THE PROPOSED FLEET GARAGE BUILDING AND THE WEST R/W OF AIA (S OCEAN DRIVE) PRIOR TO COMMENCING CONSTRUCTION

PARCEL TAX ID: 3508-111-0002-000-3

EXIST WARNING SIREN ON POLE

EXIST SIGHT LIGHT POLE

EXISTING ASPHALT PARKING LOT

517'± (TO BE FIELD VERIFIED BY SITE CONTRACTOR PRIOR TO START OF CONSTRUCTION

EXIST 30" CMP STORM DRAINAGE

EXIST LANDSCAPE BERM (TOP IS 5'± ABOVE GRADE)

50.0' S OCEAN DRIVE (AIA)

PROP ASPHALT ACCESS TO BLDG

PROP CONC RAMP TO BLDG

PROPOSED GARAGE FLEET

PROP STANDARD PARKING

PROP HC PARKING SIGN

PROP HC PARKING

EXIST 8" FIRE STAND PIPE W/ 4 FIRE DEPT CONNECTIONS ON CONC PAD

EXIST CONC PAD @ GRADE

EXIST BUILDING F.F.E. ELEV +9.64±

EXIST BUILDING F.F.E. ELEV +8.36±

EXIST BUILDING F.F.E. ELEV +7.50±

EXIST TRAILER

EXIST 48" R.C.P. STORM DRAIN

EXIST 18" R.C.P. STORM DRAIN

10' CHAIN LINK FENCE

8' CHAIN LINK FENCE

24" PIPE

48" R.C.P.

GENERATOR CONC. PAD

CONC. PAD

CONC. WALKWAY

CONC. RIP-RAP

ASPHALT ROAD

E.O.P.

8 WM

PROP PAVEMENT MARKING PLAN

SCALE : 1"= 40'

N

W E

S

LEGEND:

O.H.E.	= OVERHEAD ELECTRIC
U.T.	= UNDERGROUND TELEPHONE
U.E.	= UNDERGROUND ELECTRIC
C&G	= CURB & GUTTER
EOP	= EDGE OF PAVEMENT
P/L	= PROPERTY LINE
C/L	= CENTER LINE
R/W	= RIGHT OF WAY
EXIST.	= EXISTING
+7.61	= EXISTING GRADE
(7.82)	= PROPOSED GRADE
D.I.P.	= DUCTILE IRON PIPE
W.M.	= WATER MAIN
ELEV	= ELEVATION
T.O.P.	= TOP OF PIPE
BLDG	= BUILDING
UNK	= UNKNOWN
WV	= WATER VALVE
CI	= CAST IRON
BST	= BELL SOUTH TELEPHONE
SAN	= SANITARY
	= PROPOSED WATER
8 WM	= EXISTING WATER
ELEC	= ELECTRIC
SV	= SEWER VALVE
SS	= STORM SEWER
S	= SANITARY SEWER
MH	= MANHOLE
PP	= POWER POLE
LP	= LIGHT POLE
DD	= FRENCH DRAIN
	= EXIST/NEW SEWER LATERAL
	= EXIST GATE/BUTTERFLY VALVE
	= NEW GATE/BUTTERFLY VALVE
	= FLOW DIRECTION
	= EXIST/NEW FIRE HYDRANT ASSEMBLY
	= SINGLE/DUAL WATER SERVICE
	= EXIST/NEW REDUCER
	= EXIST/NEW MANHOLE
	= TEES & BENDS
	= PROP DRAINAGE
	= EXIST DRAINAGE
C/L SWL	= C/L OF SWALE
	= PROPOSED SEWER
8 WM	= EXISTING WATER

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CALL 811 OR WWW.SUNSHINE811.COM TWO FULL BUSINESS DAYS BEFORE DIGGING TO HAVE UTILITIES LOCATED AND MARKED

CHECK POSITIVE RESPONSE CODES BEFORE YOU DIG

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CIVIL ENGINEERS
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FP&L PORT ST LUCIE NUCLEAR PLANT
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PAVEMENT MARKING
PLAN VIEW & NOTES

FPL

REVISIONS

Date	Remarks	By

KEN W. GROCE LICENSE No. 35944 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Civil Engineer

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Sheet:
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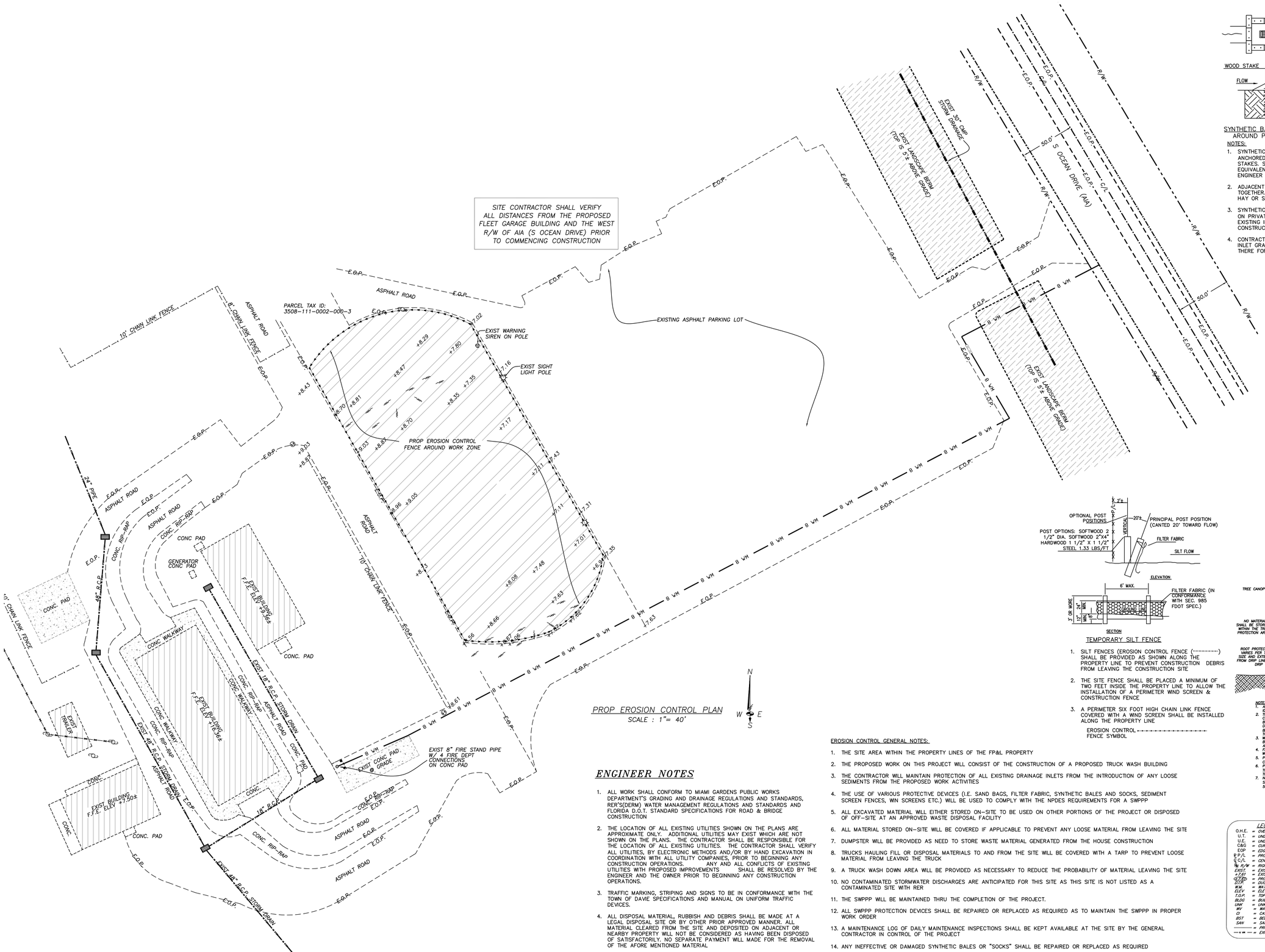


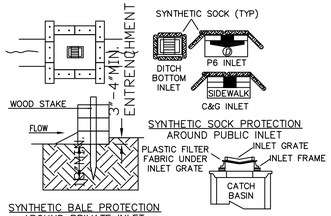
PROP EROSION CONTROL PLAN
SCALE : 1"= 40'

ENGINEER NOTES

1. ALL WORK SHALL CONFORM TO MIAMI GARDENS PUBLIC WORKS DEPARTMENT'S GRADING AND DRAINAGE REGULATIONS AND STANDARDS, RER'S(DERM) WATER MANAGEMENT REGULATIONS AND STANDARDS AND FLORIDA D.O.T. STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION
2. THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITIES, BY ELECTRONIC METHODS AND/OR BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS SHALL BE RESOLVED BY THE ENGINEER AND THE OWNER PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS.
3. TRAFFIC MARKING, STRIPING AND SIGNS TO BE IN CONFORMANCE WITH THE TOWN OF DAVIE SPECIFICATIONS AND MANUAL ON UNIFORM TRAFFIC DEVICES.
4. ALL DISPOSAL MATERIAL, RUBBISH AND DEBRIS SHALL BE MADE AT A LEGAL DISPOSAL SITE OR BY OTHER PRIOR APPROVED MANNER. ALL MATERIAL CLEARED FROM THE SITE AND DEPOSITED ON ADJACENT OR NEARBY PROPERTY WILL NOT BE CONSIDERED AS HAVING BEEN DISPOSED OF SATISFACTORILY, NO SEPARATE PAYMENT WILL MADE FOR THE REMOVAL OF THE AFORE MENTIONED MATERIAL
5. CONTRACTOR SHALL MONITOR ALL CONSTRUCTION VEHICLES LEAVING THE SITE SO THAT THE TRUCKS DON'T CARY ANY LOOSE MATERIAL THAT MAY FALL OF THE TRUCK OUTSIDE THE WORK AREA AND INTO THE PUBLIC RIGHT–OF–WAY

EROSION CONTROL GENERAL NOTES:

1. THE SITE AREA WITHIN THE PROPERTY LINES OF THE FP&L PROPERTY
2. THE PROPOSED WORK ON THIS PROJECT WILL CONSIST OF THE CONSTRUCTION OF A PROPOSED TRUCK WASH BUILDING
3. THE CONTRACTOR WILL MAINTAIN PROTECTION OF ALL EXISTING DRAINAGE INLETS FROM THE INTRODUCTION OF ANY LOOSE SEDIMENTS FROM THE PROPOSED WORK ACTIVITIES
4. THE USE OF VARIOUS PROTECTIVE DEVICES (I.E. SAND BAGS, FILTER FABRIC, SYNTHETIC BALES AND SOCKS, SEDIMENT SCREEN FENCES, WIN SCREENS ETC.) WILL BE USED TO COMPLY WITH THE NPDES REQUIREMENTS FOR A SWPPP
5. ALL EXCAVATED MATERIAL WILL EITHER STORED ON–SITE TO BE USED ON OTHER PORTIONS OF THE PROJECT OR DISPOSED OF OFF–SITE AT AN APPROVED WASTE DISPOSAL FACILITY
6. ALL MATERIAL STORED ON–SITE WILL BE COVERED IF APPLICABLE TO PREVENT ANY LOOSE MATERIAL FROM LEAVING THE SITE
7. DUMPSTER WILL BE PROVIDED AS NEED TO STORE WASTE MATERIAL GENERATED FROM THE HOUSE CONSTRUCTION
8. TRUCKS HAULING FILL OR DISPOSAL MATERIALS TO AND FROM THE SITE WILL BE COVERED WITH A TARP TO PREVENT LOOSE MATERIAL FROM LEAVING THE TRUCK
9. A TRUCK WASH DOWN AREA WILL BE PROVIDED AS NECESSARY TO REDUCE THE PROBABILITY OF MATERIAL LEAVING THE SITE
10. NO CONTAMINATED STORMWATER DISCHARGES ARE ANTICIPATED FOR THIS SITE AS THIS SITE IS NOT LISTED AS A CONTAMINATED SITE WITH RER
11. THE SWPPP WILL BE MAINTAINED THRU THE COMPLETION OF THE PROJECT.
12. ALL SWPPP PROTECTION DEVICES SHALL BE REPAIRED OR REPLACED AS REQUIRED AS TO MAINTAIN THE SWPPP IN PROPER WORK ORDER
13. A MAINTENANCE LOG OF DAILY MAINTENANCE INSPECTIONS SHALL BE KEPT AVAILABLE AT THE SITE BY THE GENERAL CONTRACTOR IN CONTROL OF THE PROJECT
14. ANY INEFFECTIVE OR DAMAGED SYNTHETIC BALES OR "SOCKS" SHALL BE REPAIRED OR REPLACED AS REQUIRED
15. ALL STORMWATER INLETS (AREA BASINS, DITCH, C&G, P6, ETC.) SHALL BE PROTECTED FROM SEDIMENT FLOWING INTO THE INLET STRUCTURE WITH SYNTHETIC BALES OR "SOCKS" UNTIL THE PROJECT HAS BEEN COMPLETED
16. ALL EXISTING TREES SHALL BE PROTECTED FOR THE DURATION OF THE CONSTRUCTION PHASE OF THE PROJECT. SEE TREE PROTECTION DETAILS



SYNTHETIC BALE PROTECTION AROUND PRIVATE INLET

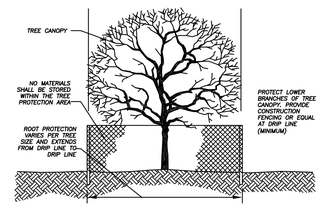
NOTES:

1. SYNTHETIC BALES SHALL BE TRENCHED 3" TO 4" AND ANCHORED WITH 2 – 1" X 2" (OR 1" DIAM.) X 4" WOOD STAKES. STAKES OF OTHER MATERIAL OR SHAPE PROVIDING EQUIVALENT STRENGTH MAY BE USED IF APPROVED BY THE ENGINEER
2. ADJACENT SYNTHETIC BALES SHALL BE BUTTED FIRMLY TOGETHER. UNAVOIDABLE GAPS SHALL BE PLUGGED WITH HAY OR STRAW TO PREVENT SILT FROM PASSING
3. SYNTHETIC BALES SHALL BE INSTALLED AT ALL NEW INLETS ON PRIVATE PROPERTY AND SYNTHETIC "SOCKS" ON EXISTING INLETS IN THE PUBLIC RIGHT O WAY DURING CONSTRUCTION
4. CONTRACTOR TO INSTALL PLASTIC FILTER FABRIC UNDER INLET GRATE ON ALL NEW INLETS AND IT SHALL REMAIN THERE FOR THE DURATION OF THE CONSTRUCTION

TEMPORARY SILT FENCE

1. SILT FENCES (EROSION CONTROL FENCE (----------) SHALL BE PROVIDED AS SHOWN ALONG THE PROPERTY LINE TO PREVENT CONSTRUCTION DEBRIS FROM LEAVING THE CONSTRUCTION SITE
2. THE SITE FENCE SHALL BE PLACED A MINIMUM OF TWO FEET INSIDE THE PROPERTY LINE TO ALLOW THE INSTALLATION OF A PERIMETER WIND SCREEN & CONSTRUCTION FENCE
3. A PERIMETER SIX FOOT HIGH CHAIN LINK FENCE COVERED WITH A WIND SCREEN SHALL BE INSTALLED ALONG THE PROPERTY LINE

EROSION CONTROL FENCE SYMBOL ----------



NOTE:

1. ALL TREES TO BE PROTECTED WITHIN THE CONSTRUCTION SITE SHALL BE IDENTIFIED WITH WHITE SURVEY TAPE.
2. TREE ROOTS SHALL NOT BE CUT UNLESS ABSOLUTELY UNAVOIDABLE. IF ROOT CUTTING IS UNAVOIDABLE, TREE ROOTS SHOULD BE CUT BETWEEN LATE FALL AND BUD OPENING. EXPOSED ROOTS SHALL BE COVERED IMMEDIATELY TO PREVENT DEHYDRATION. ROOTS SHALL BE COVERED WITH SOIL OR BURLAP AND KEPT MOIST. BACKFILL MATERIAL AROUND DAMAGED ROOTS SHALL BE LIGHT MULCH/SAND MIX TO PROMOTE ROOT RECOVERY.
3. WATERING OF PROTECTED TREES IN WHICH ROOTS WERE CUT SHALL BE PROVIDED BY THE CONTRACTOR. WATERING SCHEDULE SHALL BE ESTABLISHED BY THE CITY ARBORIST.
4. FENCING MATERIAL SHALL ENCIRCLE ANY TREES WHOSE OUTER DRIP LINE EDGE IS WITHIN 25 FEET OF ANY CONSTRUCTION ACTIVITIES.
5. PROTECTIVE FENCING SHALL BE MINIMUM 4'–0" IN HEIGHT AND FRAME CONSTRUCTED OF 2"x4" WOOD MEMBERS AND LINED WITH ORANGE SAFETY MESH.
6. PROTECTIVE FENCING SHALL BE PLACED AT THE DRIP LINE OR 25 FEET FROM TREE TRUNK (WHICH EVER IS GREATER) AND MAINTAINED IN AN UPRIGHT POSITION THROUGHOUT THE DURATION OF THE CONSTRUCTION ACTIVITIES.
7. NO MATERIALS SHALL BE STORED WITHIN THE TREE PROTECTION AREA. PLACE SIGNAGE TO READ "KEEP OUT, TREE PROTECTION AREA" ATTACH TO FENCING EVERY 50'–0".

TREE PROTECTION DETAIL
(AT EXISTING TREES TO REMAIN)

LEGEND:

O.H.E.	= OVERHEAD ELECTRIC	ELEC	= ELECTRIC
U.T.	= UNDERGROUND TELEPHONE	SV	= SEWER VALVE
U.E.	= UNDERGROUND ELECTRIC	SS	= STORM SEWER
C&G	= CURB & GUTTER	S	= SANITARY SEWER
EOP	= EDGE OF PAVEMENT	MH	= MANHOLE
P.P/L	= PROPERTY LINE	PP	= POWER POLE
C.L.	= CENTER LINE	LP	= LIGHT POLE
R/W	= RIGHT OF WAY	DRY	= FRENCH DRAIN
EXIST.	= EXISTING		= EXIST GATE/BUTTERFLY VALVE
+7.81	= EXISTING GRADE		= NEW GATE/BUTTERFLY VALVE
7.63	= PROPOSED GRADE		= FLOW DIRECTION
D.I.P.	= DUCTILE IRON PIPE		= EXIST/NEW FIRE HYDRANT ASSEMBLY
W.M.	= WATER MAIN		= SINGLE/DUAL WATER SERVICE
ELEV	= ELEVATION		= EXIST/NEW REDUCER
T.O.P.	= TOP OF PIPE		= EXIST/NEW MANHOLE
BLDG	= BUILDING		= TEES & BENDS
UNK	= UNKNOWN		= PROP DRAINAGE
WV	= WATER VALVE		= EXIST DRAINAGE
CI	= CAST IRON	CL SWL	= C/L OF SWALE
BST	= BELL SOUTH TELEPHONE		= PROPOSED SEWER
SAN	= SANITARY		= EXISTING WATER
	= PROPOSED WATER		
8 WM	= EXISTING WATER		

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EROSION CONTROL FACILITIES
PLAN VIEW & NOTES

FPL

REVISIONS			
Date	Remarks	By	

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Civil Engineer

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Project No:	22–59

Sheet:
PD-4 8 OF 8

FPL

NEW FLEET GARAGE BUILDING
ST LUCIE FLEET GARAGE

6501 S. OCEAN DRIVE,JENSEN BEACH, FL, 34957

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WS · 3	PUMP STATION/MECH DETAILS
WS · 4	PUMP STATION/ELEC DETAILS
PD · 1	GRADING-DRAINAGE PLAN
PD · 2	STANDARD DETAILS
PD · 3	PAVEMENT MARKING PLAN
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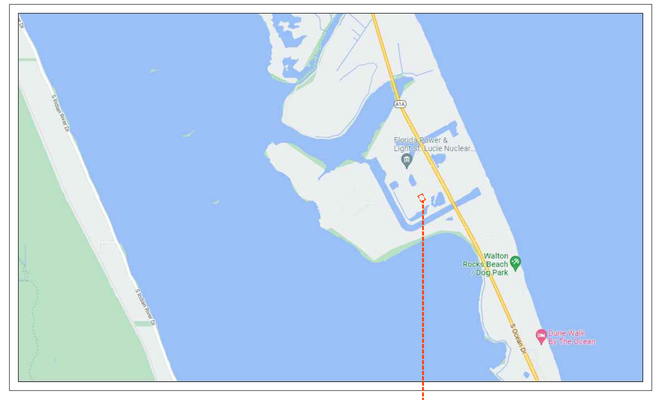
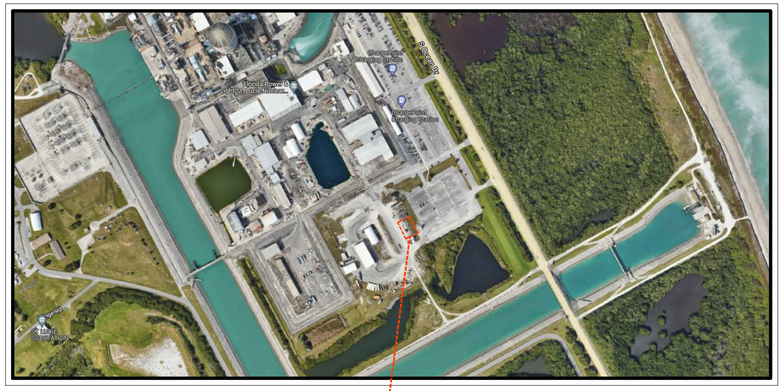
PROJECT DESCRIPTION

- NEW FLEET GARAGE BUILDING OUTSIDE EXISTING FPL PROTECTED AREA, TWO BAY, ONE STORY, 80'-0" x 60'-0" CMU BLOCK ENCLOSURE, BLDG HEIGHT: 21'-4" LP, 23'-0" HP, WITH BUILT-UP ROOFING ON DOUBLE TEES CONC. SLOPED FOR DRAINAGE TO ONE SIDE, ROOF SLABS WITH 10'-0" OVERHANGS NORTH AND SOUTH. TO BE USED AS FACILITY FOR MINOR TRUCK REPAIR AND MAINTENANCE.
- OIL CONTAINMENT ROOM FOR TEMPORARY STORAGE.
- PROVIDE AN OVERHEAD CRANE SERVING BOTH BAYS.
- ONE OFFICE, GENERAL STORAGE, DATA ROOM AND UNISEX RESTROOM. ADDITIONAL RESTROOM PROVIDE ON SITE WITHIN 300'



SITE LOCATION



PROJECT LOCATION

ARCHITECTS
EVELYN+ROUX
MIAMI, FLORIDA

STRUCTURAL ENGINEERING CONSULTANS
PSECFL, LLC
MIAMI, FLORIDA

CIVIL ENGINEERING
CHEROKEE CONSULTING, Inc.
MIAMI FLORIDA

ELECTRICAL & MECHANICAL
THOMAS E. HENZ, PE, INC
LAUDERDALE BY THE SEA, FLORIDA

DATE: NOVEMBER 4, 2022

JOB NO. 2265

SPECIFICATIONS

1. SCOPE OF WORK
Provide all labor, equipment, and materials required as called for on construction documents

2. GENERAL NOTES

A. General Conditions: Shall be FPL standard general conditions. A copy may be obtained from FPL.

B. Codes: All requirements of the Florida Building Code 2020 edition, Florida Fire Prevention Code 2020 edition, NFPA 101 2018 edition, and local City, County, State and Federal Codes shall be met.

C. The contractor shall obtain all required permits, licenses, and approvals necessary for the completion of this work.

D. Copies of all required permits, licenses, and certificates shall be delivered to the owner and a copy of the same shall be posted in a prominent location within the workplace prior to commencement of the work.

E. The contractor shall examine the site and existing conditions, and become familiar with all conditions which may affect the work prior to starting.

F. All work shall be laid out true, square, and plumb, and to exact and correct dimensions. If dimensional discrepancies are discovered, the contractor must notify the owner and the Architect in writing prior to proceeding. The Architect will issue a dimensional or layout correction.

G. The contractor shall protect existing conditions to remain and shall repair all damage caused by this work. The contractor shall take all precautions and use whatever protective devices required to assure that existing structural elements are not damaged.

H. The contractor is responsible for coordination of all trades and work, including work of others where affected.

I. The contractor shall provide barricades, temporary power, lighting, telephone service, etc. as required to complete the work.

J. The contractor shall coordinate with FPL site manager regarding delivery and removal of materials, equipment, and other items to and from the site.

K. Removal of trash and debris shall be the responsibility of the contractor. Place all trash and debris in designated containers with FPL site manager. Trash shall be removed from the premises during the course of construction on a regular basis.

L. Shop drawings shall be submitted to the Architect for review where specifically requested.

M. Samples of all material finishes shall be submitted in duplicate to the Architect and the owner for approval prior to the commencement of the work.

N. All materials used in the permanent construction of this work shall be new and unused, first quality, and free from defects; installed as per manufacturer's recommended proceedures for the application at hand. All workmanship shall be of first class professional quality.

O. The contractor shall maintain a full set of complete and current drawings available for review at the jobsite at all times. All field modifications to the original design documents shall be noted and maintained for the owner's record copy.

P. The contractor shall provide the owner with a written guarantee for all work under this contract for a minimum period of one year from the date of acceptance.

Q. Testing: A laboratory employed and paid by the contractor and approved by FPL company, will make all required tests. Test results shall be submitted to FPL.

R. Manufacturer's directions: Manufactured articles, materials and equipment shall be applied, installed, connected, erected, used, clensed and conditioned in accordance with the manufacturer's printed directions unless specified contrary.

S. Temporary lighting and power: All electric required for construction and testing of the is the responsibility of the G.C. All temporary wiring shall be provided by the contractor.

T. Temporary water service: Temporary water required during construction is the responsibility of the G.C.

3. MISCELLANEOUS METAL

A. Miscellaneous structural steel shapes, members and connections as listed and where shown on drawings shall be ASTM A-36 steel.

B. All these shapes, members and connections denoted to be hot dipped galvanized shall be hot dipped galvanized after fabrication.

C. All exposed exterior steel shall be hot dipped galvanized.

D. Welding shall conform with AWS specifications. All shop and field welding shall be performed by qualified welders who must hold current welding certificates.

E. Fastenings: Make all exposed fastenings of the same material, color and finish as the metal to which fastening is applied, unless otherwise shown.

4. FINISH HARDWARE

A. If hardware for any particular opening is not specified, it shall be provided and be identical and equal in quality to that existing for similar openings and shall provide the similar operational function at no additional cost to the owner.

B. Furnish all hardware in accordance with these specifications as specified complete with all necessary fastenings to completely finish this projectin accordance with the best standard of practice whether specifically mentioned or not.

C. Hardware schedules in quintuplet are to be submitted to the Architect for approval before any materials are ordered.

5. EPOXY FLOOR COATING

1. Materials:
A. VERSATILE BUILDING PRODUCT 4195 DIRECT TO CONCRETE EPOXY
B. VERSATILE - ROLL ON ROCK 1/4" FLAKES - GRAPHITE COLOR
C. VERSATILE - 5108 POLYASPARTIC TOPCOAT SEALER -COLOR CLEAR

2. Submit manufacturers specifications and color samples for approval.

3. Ref to mrf. product installation instructions.

4. Caulk expansion joints to match flooring. Submit color for approval.

5. Concrete substrate must be profiled level, clean, sound and dry.

FIELD QUALITY CONTROL:
Tests, Inspections -The follow tests shal be conducted by the applicator:

1. Temperature -Air, substrate Temperatures and dew point if applicable
2. Coverage Rates - Rates for all layers shall be monitored by checking quantity of material used against the area covered.

CLEANING AND PROTECTION:
1.Cure flooring material in compliance with mfr direction taking care to prevent their contamination during stages of application and prior to completion of the curing process.
2. Remove masking: perform detail cleaning at floor termination.

6. PAINTING & CAULKING
Paint: Materials shall be best quality or approved equal of the following:

A. Points: M.A. Bruder & Sons, Inc., Pratt & Lambert, Pittsburgh, Benjamin & Moore, Sherwin-Williams, and DeRusto (Galv-A-Grip). Submit manufacturer with schedule of painting for FPL approval.

B. Caulking:
1) Interior Caulking: M.A.B. Acrylic Latex Caulk.
2) Exterior Caulking: Dyatrol Urethane Sealant. All materials used in association with sealants, including back-up materials and primers shall meet manufacturer's specifications.

C. Schedule of Painting: MAB Products Specified. Equal Products from above manufacturers may be submitted for approval.

Exterior
1. Metal (including hollow metal doors and frames)
a. 1 coat Rust-O-Lastic Red Anti-Corrosive Primer.
b. 2 coats Rust-O-Lastic Finish coat.

2. Galvanized Metal
a. Wash with mineral spirits to remove oil residues.
b. 1 coat commercial metal etch.
c. 1 coat Rust-O-Lastic Zinc Dust Primer.
d. 1 coat Rust-O-Lastic Finish coat.

Interior
1. Metal
a. 1 coat Rust-O-Lastic Red Anti-Corrosive Primer.
b. 1 coat Rust-O-Lastic White Metal Primer.
c. 1 coat Rich Lux Low Lustre Enamel.

2. Wood (general)
a. 1 coat Fresh Kote Enamel Undercoat.
b. 1 coat Rich Lux Low Lustre Enamel.

3. Gypsum board
a. 1 coat M.A.B. prime fast.
b. 2 coats Rich Lux Walshield Acrylic Flat (moisture content 5% maximum by meter).

7. GYPSUM DRYWALL SYSTEM

A. Studs: Galvanized steel studs, unless otherwise noted. See plans for size and guage.

B. Floor and Ceiling Track: 20 gauge galvanized steel.

C. Wallboard: a. Fire-resistive finish board type"X" 5/8" thick.

D. Corner Bead: all corners.

E. Joint Treatment: Compound and joint tape.

F. Where drywall partitions end at underside of ceiling, wallboard shall be treated with continuous "J" mould and topping compound.

G. Bottom of all wallboard shall be held 1/4" above concrete slab.

H. Metal stud spacing to be 16"oc.

8. CERAMIC TILE
A. For tile selection see Finish Plan
B. Unless otherwise specified herein, all materials and workmanship and execution of tile work conform to the latest edition of Handbook for Ceramic Tile Installation of Tile Council of America , Inc.
C. Floor tile mud set
D. Wall tile thin set
E. Grout: Laticrete Spectralock Pro Premium Grout- See finish sheet for colors.
F. Grout releasing agent:Provide Mapei Ultracare Grout Release. Apply coating prior to grouting per mfr instructions.
G. Tile work laid out so that no pieces less than 1/2 tile occur and equal size tile of opposite ends of floor or wall
H. Leave finished work clean and free from cracked, chipped broken pieces
I. After all work is completed and when directed, thoroughly clean all work wich comes under this heading, pointing up any parts requiring same so that all joints are full and even and leave whole in workmanlike manner

9. ACOUSTICAL TILE CEILING

A. Acoustical Ceiling Board: 24"x24"x3/4". Lay-in Cirrus fine texture, product item ultima 1911 beveled tegular.

B. Exposed Grid Suspension System: Donn DX 24, 15/16" face exposed grid system (steel) as manufactured by Donn Products, Inc. or equal. Exposed flanges shall have baked low sheen satin white finish. Provide all required accessories, including wall channel mouldings where ceilings abutt vertical surface

C. Hangers for suspended system: No. 12 gauge galvanized wire

D. Deflection: Deflection of suspension system shall not exceed 1/360 of the span

E. Coordinate work with all other trades to assure neat workman-like installation, all wet work completed and thoroughly dry before installation of acoustical material commences. Lay-out each area with equal size borders and not less than half of full tile. End notch tees with cut off tool at intersection with wall angle so horizontal legs of angle and tee are in same plane and tile lays tight and without cracks

10. FLOORING RESILIENT

A. Resilient Tile 1. 12"x12"x1/8" vinyl composition tile, Armstrong Premium Excelon or approved equal

B. Cove Base 1. Vinyl 4" high, 1/8" gauge, preformed corners by Johnsonite or approved equal

C. Vinyl Mouldings Johnsonite CTA-XX-A carpet to tile adapter Use where carpet abutts vinyl tile

D. All finished surfaces in true plane and smooth

E. Square with axis of rooms and exactly at right angles

F. Layout spaces so that opposite sides of rooms have edge tile in same size and none less than 1/2 tiles

G. Adjustments: All tiles not seated in level plane with surrounding tiles have heat applied and rolled to proper level

H. Clean all foreign matter from tile

I. Install static dissipative tile in IDF room.

11. PRESTRESSED CONCRETE- DOUBLE TEES

A. Conform to all requirements of ACI 318-Building Code Requirements for Reinforced Concrete.

B. DO NOT TRANSPORT units until full design strength is obtained.

C. Submit design ,fabrication and erection drawings prepared and sealed by a registered. P.E.. Shop drawings must include design criteria, calculations and certification as to the adequacy of design foe each type of loading.

MATERIALS

A. Superimposed Loads: Design Loads are as indicated on drawings.

12. BUILT UP BITUMINOUS ROOFING

A. Furnish all labor, materials and equipment required for built up roofing and sheet metal flashing.

B. Submit mfr specifications , product approval and shop drawing details for roofing and flashing for architect's approval.

MATERIALS

A. John's Manville SBS Modified Bitumen Roofing System- Specification No: 4CID 4-ply hot mopped modified roof over Johns Manville insulation hot mopped to concrete deck.

B. Flashing for Fascias, edge flashing, gutters and downspouts shall be aluminum or stainless steel:
1. Downspouts : 11 GA.
2. Gutters : 11 GA.
3. Flashing: 18 GA.

C. Fastenings: Use fasteners that will not not support galvanic action after installation.

D. Sheet metal Seams: Conform to the following requirements:

a. Flat Lock Seams: At least 3/4" wide.

b. Soldered Lap Seams: At least 1" wide.

c. Unsoldered Plain Lap Seams: At lest 3" wide.

d. All Seams: Make in direction of flow.

E. Counter Flashing:

a. Install at intersections of roof with vertical surfaces and similar conditions.

b. Secure to vertical surfaces as detailed.

c. Turn down counter flashing over base flashing not less than 4".

13. OVERHEAD METAL ROLL-UP DOOR
Provide shop drawings to Architect.

14. METAL DOOR & FRAME Provide shop drawings to Architect.

15. TERMITE TREATMENT
Provide termite protection at foundation walls and below slab on grade. a certificate of compliance shall be issued to the building department by a licensed pest control company that contains the following statement: "the building has received a complete treatment for the prevention of subterranean termites. treatment is in accordance with the rules and laws established by the Florida department of agriculture and consumer services".

16. WARRANTY:
A. The Contractor shall furnish Florida Power & Light Company with a written warranty stating that all work completed under this section shall be free of defects in materials and workmanship, and free of leaks
B. Should any defects occur, the Contractor shall respond within forty-eight (48) hours to the Owner's call and effect the necessary action at no cost to the Owner for labor nor materials.

REVISION
MARK DATE

NEW FLEET GARAGE BUILDING
ST LUCIE NUCLEAR FLEET GARAGE
FPL 6501 SOUTH OCEAN DRIVE, JENSEN BEACH, FL

STATE OF FLORIDA
ROBERT JOHN EVELYN
AR95856
REGISTERED ARCHITECT

EVELYN + ROUX architects
Theodore Roux AIA
Robert John Evelyn
4854 S.W. 72nd Avenue
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phone (305)443-8116

DATE: 11/4/22

JOB NO: 2265

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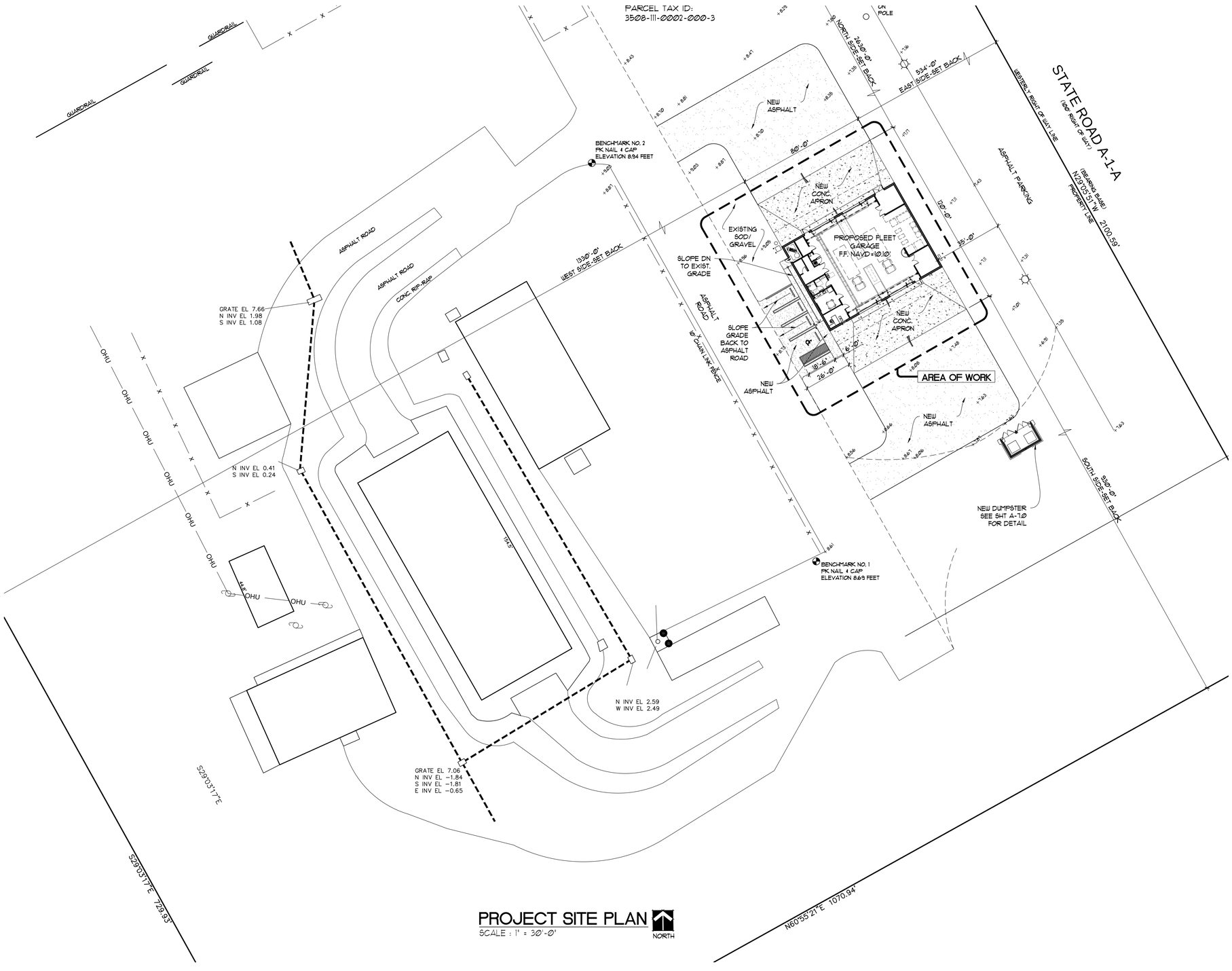

PROJECT SITE PLAN

SCALE : 1" = 30'-0"

NORTH

PROJECT DESCRIPTION

- NEW FLEET GARAGE BUILDING OUTSIDE EXISTING FPL PROTECTED AREA, TWO BAY, ONE STORY, 80'-0" x 60'-0" CMU BLOCK ENCLOSURE, BLDG HEIGHT: 21'-4" LP. 23'-0" HP. WITH BUILT-UP ROOFING ON DOUBLE TEES CONC. SLOPED FOR DRAINAGE TO ONE SIDE, ROOF SLABS WITH 10'-0" OVERHANGS NORTH AND SOUTH. TO BE USED AS FACILITY FOR MINOR TRUCK REPAIR AND MAINTENANCE.
- OIL CONTAINMENT ROOM FOR TEMPORARY STORAGE.
- PROVIDE AN OVERHEAD CRANE SERVING BOTH BAYS.
- ONE OFFICE, GENERAL STORAGE, DATA ROOM AND UNISEX RESTROOM. ADDITIONAL RESTROOM PROVIDE ON SITE WITHIN 300'

FLOOD ZONE: AE-4 (FEMA MAP)

FLOOD ZONE "X", PER FLORIDA DEPARTMENT OF ENVIROMENTAL PROTECTION.

LEGAL DESCRIPTION

8/09/15/16/17/21/22 36 41 ALL FRACT SECS 8 AND 9 LYG W OF A1A-LESS N 436.71 FT- AND ALL FRACT SEC 9 LYG E OF A1A-LESS N 736.71 FT- AND ALL FRACT SEC 15 AND FRACT SEC 16-LESS AS IN OR 346-2123 AND OR 4020-2820- AND FRACT SEC 17-LESS A1A- AND THAT PART OF FRACT SECS 21 AND 22 LYG N OF L1 THAT IS 9243.31 FT N OF S L1 OF SEC 27-LESS A1A- (951.10 AC)

SITE DATA

DESCRIPTION	
SITE ADDRESS	6501 SOUTH OCEAN DIVE, JENSEN BEACH,
PARCEL CONTROL NO:	3508-111-0002-000-3
ZONING	U (UTILITIES)
FINISHED AREA:	151, 079 SF.
PERMITTED USE:	ELECTRIC SERVICES

OFF-STREET PARKING

REQ. VEHICULAR RATE	PROVIDED SPACE PARKING
1 SPACE PER 24, 999 SF	4 SPACES (1 H.C. INCLUDED)

BUILDING DATA (UTILITIES)

MINIMUM LOT SIZE 43, 560 SF

MAXIMUM BUILDING HEIGHT	PROPOSED
	23'-0"

MIN. BLDG. SETBACKS FOR PROP. BUILDING	PROVIDED
SOUTH-FRONT	930'-0"
NORTH -REAR	2, 630'-0"
EAST- SIDE	534'-0"
WEST-SIDE	1330'-0"

REVISION	
MARK	DATE

NEW FLEET GARAGE BUILDING
ST LUCIE NUCLEAR FLEET GARAGE
FPL 6501 SOUTH OCEAN DRIVE, JENSEN BEACH, FL

STATE OF FLORIDA
ROBERT JOHN EVELYN
AR95856
REGISTERED ARCHITECT

EVELYN + ROUX architects
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phone (305)443-8116

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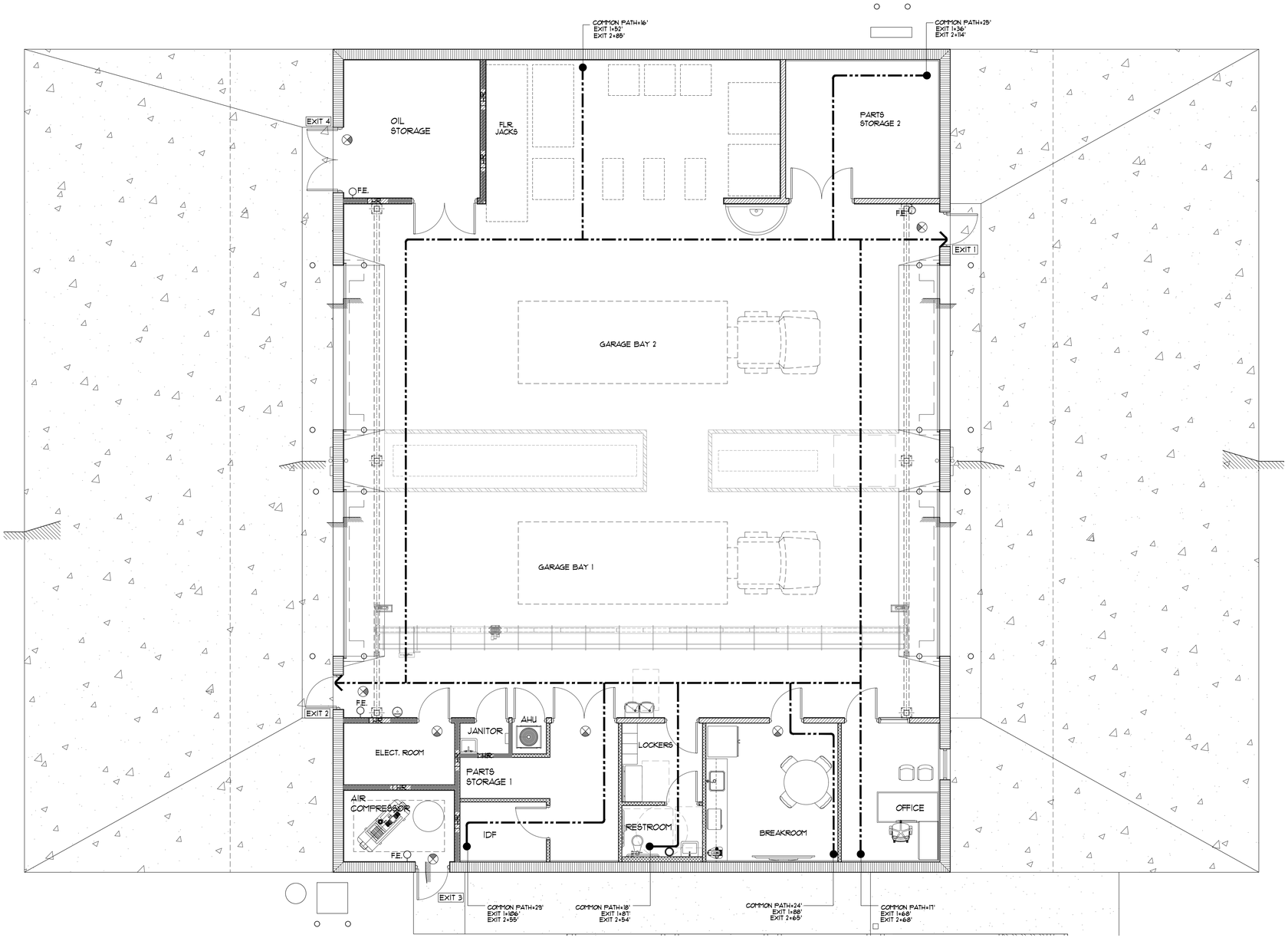

LIFE SAFETY PLAN

SCALE : 3/16"=1'-0"

NORTH

CODE DATA:

APPLICABLE CODES:
A. FLORIDA BUILDING CODE (FBC), 2020
B. FLORIDA FIRE PREVENTION CODE (FFPC), 7th EDITION, 2020.
C. FLORIDA BUILDING CODE-ACCESSIBILITY (FBC), 2018.

BUILDING DATA:
PROJECT DESCRIPTION: SINGLE STORY CMU WALL BEARING WALL W/ BUILT-UP ROOF ON CONC. DOUBLE TEES AS ROOF WITH 10' NORTH & SOUTH OVERHANG. ROOF DRAINAGE WILL BE SLOPED IN ONE DIRECTION TO THE SOUTH AND UTILIZE EXTERNAL ROOF GUTTER AND DOWNSPOUTS.

BUILDING DATA:

CLASSIFICATION - MOTOR VEHICLE REPAIR 'S-1' (FBC SEC. 311)
BUSINESS GROUP 'B' (FBC SEC. 304)
(LESS THAN 10% - ACCESSORY USE FBC 508.2)

BUILDING AREA : 4,800 SF. GROSS ENCLOSED
STORAGE (S-1) AREA : 3,910 SF. GROSS ENCLOSED (88%)
BUSINESS (B) AREA : 180 SF. GROSS ENCLOSED (12%)

HT. : ONE FLOOR TOP OF SOUTH EAVE 21'-4"
NORTH EAVE 23'-0"

TYPE OF CONSTRUCTION - FBC TABLE 503
TYPE IIIB
NON SPRINKLED
FIRE RESISTANT RATING REQUIREMENTS FBC TABLE 601
PRIMARY FRAME - 0
NON BEARING WALLS EXT. - 0 (SEPARATION >30')
NON BEARING WALLS INT. - 0
ROOF CONSTRUCTION - 0

REQUIRED SEPARATION OCCUPANCIES
FBC 2020 TABLE 508.4
GROUP S-1 / GROUP B - NONE REQUIRED
NO SEPERATION REQUIRED FOR ACCESSORY OCCUPANCIES - FBC 508.2.4

STRUCTURAL DESIGN
I. DESIGN LOADS :
WIND LOAD-PER ASCE 7-16
BASIC WIND LOAD VELOCITY_____175MPH RISK CATEGORY II
WIND EXPOSURE FACTOR = 'C'

LIFE SAFETY INFORMATION (TABLE 1004.1.1):

FBC 1004.1.2 : INTENDED FUNCTION FUNCTION NOT LISTED IN TABLE FOR TRUCK REPAIR. ASSUMED LOAD TO RESEMBLE AIRCRAFT HANGER(1/500). ANTICIPATED LOAD IS MAX. 2 PERSONS PER BAY.

OCCUPANCY : SEE AREA CALCULATION ON PLANS
TOTAL 22 PEOPLE

REQUIRED PLUMBING FIXTURES

OCCUPANT LOAD = 22 PEOPLE

OCCUPANCY LOAD	WATER CLOSETS	LAVATORIES	DRINKING FOUNTAINS	SERVICE SINKS
11 MEN	REQUIRED:2	REQUIRED:2	REQUIRED:1 TOTAL	REQUIRED:1
11 WOMEN	PROVIDED:1	PROVIDED:1	PROVIDED:2(HI/LOW)	PROVIDED:1

NOTE:
PROJECT IS PART OF FPL SITE WITH MULTIPLE PROPERTIES.
PER FBC-P 403.3.3 ADDITIONAL TOILET FACILITIES ARE PROVIDED WITHIN 500 FT OF BUILDING ON SAME LEVEL AS SHOWN ON SHEET A-01 (SITE PLAN).

EXIT ACCESS TRAVEL DISTANCE FBC TABLE 1017.2

BUSINESS 'B' AND MOTOR VEHICLE REPAIR 'S'
ALLOWED 200', PROVIDED 114'

DEAD END CORRIDORS FBC 1020.4

ALLOWED 20'
MAX. PROVIDED 0'

COMMON PATH OF TRAVEL FBC 1029.8

ALLOWED 75' (FOR LESS THAN 50 OCCUPANTS)
MAX. PROVIDED 29'

FIRE EXTINGUISHERS NFPA - 10

NUMBER REQUIRED 1/ 3000 SQ. FT.
FLOOR $\frac{4800 \text{ SQ FT}}{3000}$ = 2 REQD.

PROVIDED : 4 TYPE 4A-60BC
PROVIDE WALL MOUNTED CABINETS FOR ALL FIRE EXTINGUISHERS
PROVIDE LOCATION SIGNAGE

LEGEND

- F.E. (FIRE EXTINGUISHER)
- PATH OF TRAVEL
- EXIT SIGN
- DIRECTIONAL EXIT SIGN
- 1HR RATED WALL

INTERIOR FINISHES SHALL HAVE A MIN. CLASS C FLAME SPREAD RATING : FBC TABLE 803.9

MALTESE CROSS 8' X8' W/ REFLECTIVE RED COLOR. COORDINATE LOCATION WITH FIRE DEPT.

REVISION

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NEW FLEET GARAGE BUILDING
ST LUCIE NUCLEAR FLEET GARAGE
FPL 6501 SOUTH OCEAN DRIVE, JENSEN BEACH, FL

STATE OF FLORIDA ROBERT JOHN EVELYN REGISTERED ARCHITECT AR95856

EVELYN + ROUX architects
Theodore Roux AIA
Robert John Evelyn
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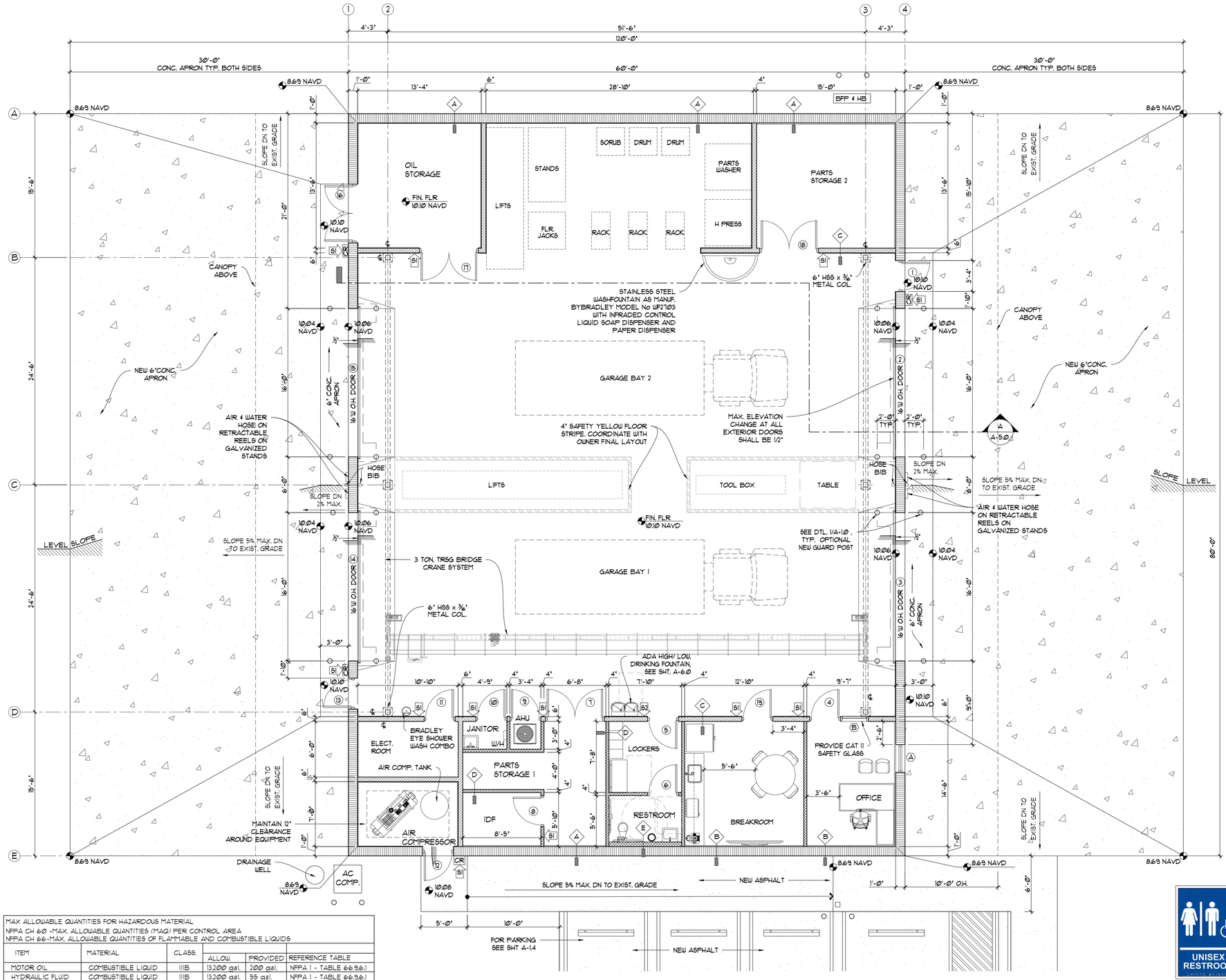


FLOOR PLAN

SCALE : 3/16"=1'-0"

NORTH

LEGEND

- 8" BLOCK WALL W/ 5/8" STUCCO FINISH
- 3-5/8" 20 GA. MTL. STUDS @ 16" O.C. W/ 5/8" TYPE 'X' DRYWALL EA. SIDE & 3" SOUND ATTEN. BLANKET BETWEEN STUDS
- 6" 20 GA. MTL. STUDS @ 16" O.C. W/ 2-LAYERS 5/8" TYPE 'X' DRYWALL EA. SIDE & 3" SOUND ATTEN. BLANKET BETWEEN STUDS, 2 HR. WALL UL DESIGN NO. U419
- SECTION (A-1)
- DOOR NUMBER TAG (1)
- ROOM NAME TAG (ROOM)
- WINDOW TAG (A)
- SPACE IDENTIFICATION SIGN (51)
- TAG WALL TYPE (A)

NOTES:

1. CONTRACTOR SHALL PROVIDE SIGNAGE AS DIRECTED BY FPL. PROVIDE SIGNS FOR ROOM NAMES AND SAFETY SIGNS. ALLOW $5000.00 FOR SIGN COST.
2. PROVIDE ROLL DOWN SHADE @ OFFICE WINDOW

DERM NOTES

1. ACTIVITIES TO BE CONDUCTED AT FLEET BUILDING
   GENERAL MAINTENANCE REPAIRS AND FLUID REPLACEMENTS:
   BRAKE LINING REPLACEMENT, NO METAL LATHE WORK
   AIR CONDITIONING SYSTEM REPAIR
   BOOM SEAL REPLACEMENT
   COMPUTER SYSTEM DIAGNOSTICS
   LIGHT BULB REPLACEMENT
   MINOR SUSPENSION ADJUSTMENT AND PARTS REPLACEMENT
   COOLING SYSTEM FLUID FLUSH AND REPLACEMENT
   TRANSMISSION UNIT REPLACEMENT
2. UNUSED FRESH MATERIALS USED AT THIS SITE

MATERIALS	SIZE	QUANTITY	LOCATION
OIL	200G	1	OIL ROOM
HYDRAULIC FLUID	55G	1	OIL ROOM
COOLANT	1G	12	PARTS ROOM
REFRIGERANT	20lb cyl.	1	MACHINE ON SHOP FLOOR
BRAKE WASH	16oz. aerosol	48	PARTS ROOM
MINERAL SPIRITS	30G	2	MACHINE ON SHOP FLOOR
TRANSMISSION FLUID	55G	1	OIL ROOM

3. WASTE MATERIALS

MATERIALS	SIZE	QUANTITY	LOCATION
OIL	200G	1	OIL ROOM
HYDRAULIC FLUID	SAME CONTAINER AS OIL		
COOLANT	REUSED		
REFRIGERANT	REUSED		
BRAKE WASH	SPENT CANS STORED IN 55G DRUMS		
MINERAL SPIRITS	REUSED		
TRANSMISSION FLUID	SAME CONTAINER AS OIL		

4. OIL ROOM STORAGE

LARGEST STORAGE OIL TANK 200 U.S. GAL.
VOLUME 200x.13378 CU. FT. / GAL. = 26.756 CU. FT.
26.756x110% = 29.43 CU. FT. < 41.75 CU. FT.

AREA WALL AND FLOOR :
EPOXY COATING DUR-A-GARD BY DUR-A-SHIELD, CHEMICAL RESISTANT.

TOTAL BUILDING GROSS AREA 4, 800 S.F.

OFFICE AREA	180 S.F.	
	180 S.F./100 = 2 PEOPLE	
GARAGE AREA	3, 970 S.F.	
	3, 970 S.F./200 = 20 PEOPLE	
	TOTAL	22 PEOPLE

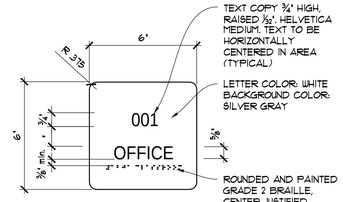
MAX ALLOWABLE QUANTITIES FOR HAZARDOUS MATERIAL
NFPA CH 60 -MAX. ALLOWABLE QUANTITIES (MAQ) PER CONTROL AREA
NFPA CH 66-MAX. ALLOWABLE QUANTITIES OF FLAMMABLE AND COMBUSTIBLE LIQUIDS

ITEM	MATERIAL	CLASS.	ALLOW.	PROVIDED	REFERENCE TABLE
MOTOR OIL	COMBUSTIBLE LIQUID	IIIB	13,200 gal.	200 gal.	NFPA 1 - TABLE 66.3.6.1
HYDRAULIC FLUID	COMBUSTIBLE LIQUID	IIIB	13,200 gal.	55 gal.	NFPA 1 - TABLE 66.3.6.1
TRANSMISSION FLUID	COMBUSTIBLE LIQUID	IIIB	13,200 gal.	55 gal.	NFPA 1 - TABLE 66.3.6.1
DEGREASER	CORROSIVE	N/A	500 gal.	60 gal.	NFPA 1 TABLE 60.4.2.1.1.3

FOR RESTROOM PLAN SEE A-1.2
FOR BREAKROOM PLANS SEE A-1.3

9"x6" BLUE ADA BRAILLE ACCESSIBLE UNISEX RESTROOM SIGN WITH SYMBOL RRE-14845 WHITE ON BLUE

52



REFER TO FAC703.2.8

51

SIGNAGE

N.S.

REVISION	
MARK	DATE

NEW FLEET GARAGE BUILDING
ST LUCIE NUCLEAR FLEET GARAGE
FPL
6501 SOUTH OCEAN DRIVE, JENSEN BEACH, FL

STATE OF FLORIDA — ROBERT JOHN EVELYN — AR95856 — REGISTERED ARCHITECT

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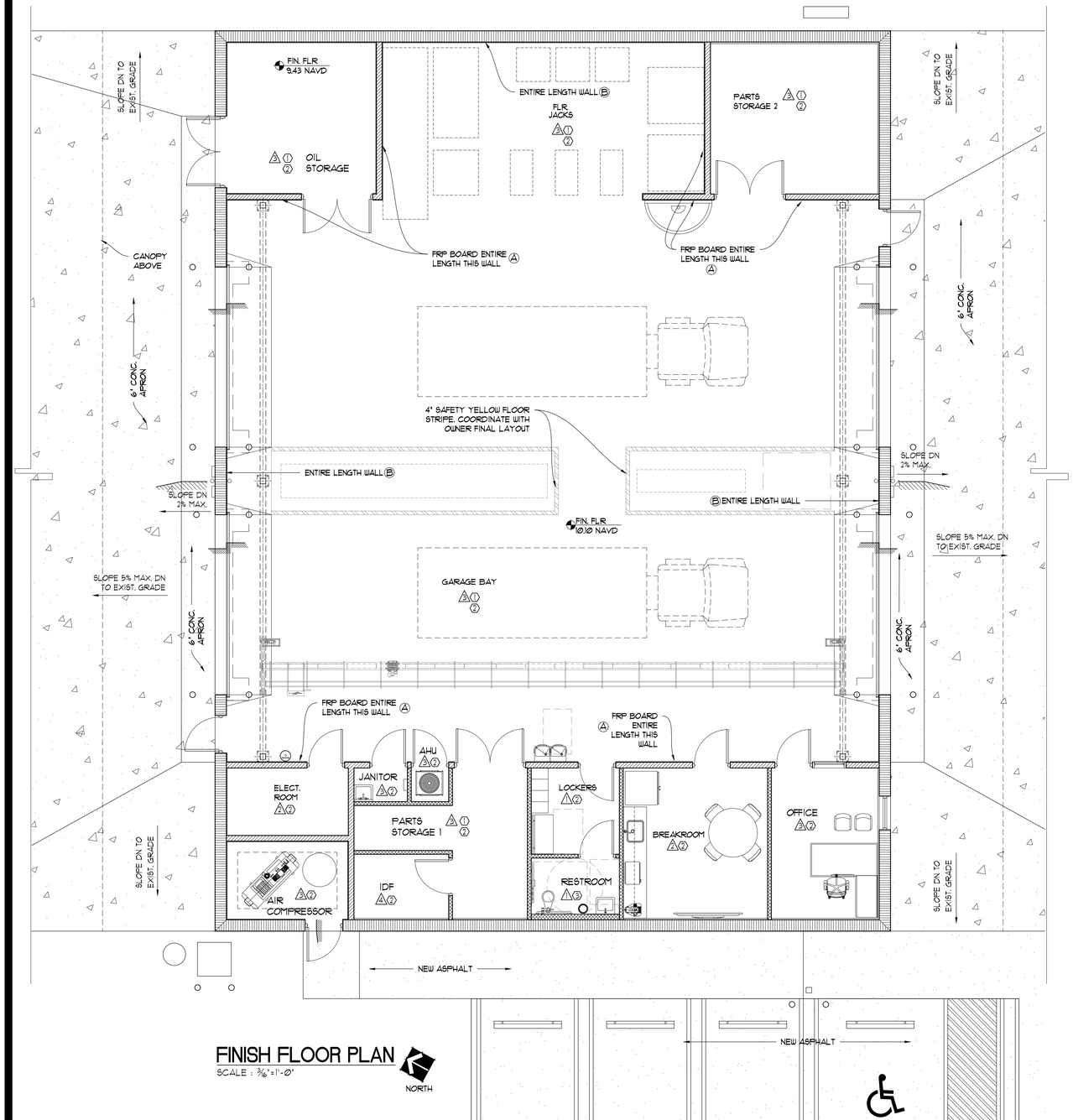


FINISH FLOOR PLAN

SCALE : 3/16"=1'-0"

NORTH

FINISH SCHEDULE

AREA DESCRIPTIONS	FLOOR	BASE	WALLS	CEILING	HT.
OFFICE	VINYL TILE	RUBBER	DRYWALL PAINTED	ACOUST. TILE	8'-6"
BREAKROOM	VINYL TILE	RUBBER	DRYWALL PAINTED	ACOUST. TILE	8'-6"
RESTROOM	PORCELAIN TILE	PORCELAIN TILE	PORCELAIN TILE	ACOUST. TILE	8'-6"
LOCKERS	PORCELAIN TILE	PORCELAIN TILE	DRYWALL PAINTED	ACOUST. TILE	8'-6"
JANITOR	CONC. EPOXY PAINTED	RUBBER	DRYWALL PAINTED	DRYWALL PAINTED	8'-6"
AHU	CONC. EPOXY PAINTED	RUBBER	DRYWALL PAINTED	EXPOSED CEILING	-
PARTS STORAGE 1	CONC. EPOXY PAINTED	RUBBER	DRYWALL PAINTED	ACOUST. TILE	8'-6"
IDF	VINYL TILE-SDT	RUBBER	DRYWALL PAINTED	ACOUST. TILE	8'-6"
ELECT. ROOM	VINYL TILE	RUBBER	DRYWALL PAINTED	EXPOSED CEILING	8'-6"
AIR COMPRESSOR	CONC. WITH SEALER	RUBBER	DRYWALL PAINTED	EXPOSED CEILING	-
GARAGE BAY	CONC. EPOXY PAINTED	-	CONC. BLOCK PAINTED	EXPOSED CEILING	BOTT. STRUCT.
PARTS STORAGE 2	CONC. EPOXY PAINTED	RUBBER	DRYWALL PAINTED	ACOUST. TILE	8'-6"
OIL STORAGE	CONC. EPOXY PAINTED	RUBBER	PLYWOOD PAINTED	EXPOSED CEILING	BOTT. STRUCT.

PAINTS AND COATINGS ON WALLS

AREA DESCRIPTIONS	ALL HEIGHT	LOWER WALL	UPPER WALL	REMARKS
OFFICE	SHOJI WHITE SW7042			
BREAKROOM	SHOJI WHITE SW7042			
RESTROOM	PORCELAIN TILE			
LOCKERS	SHOJI WHITE SW7042			
JANITOR	SHOJI WHITE SW7042			
AHU	SHOJI WHITE SW7042			
PARTS STORAGE 1		T 1-11 PLYWOOD, H=8'-0" AFF PAINTED SERIOUS GREY, * USE 'B' GRADE ¾" PLYWOOD	SHOJI WHITE SW7042	* SEE DETAIL THIS SHT
IDF	SHOJI WHITE SW7042			
ELECT. ROOM	SHOJI WHITE SW7042			
AIR COMPRESSOR	SHOJI WHITE SW7042			
GARAGE BAY		(A) FRP BOARD, H=8'-0" AFF PAINTED SERIOUS GREY * (B) T 1-11 PLYWOOD, H=8'-0" AFF PAINTED SERIOUS GREY, * USE 'B' GRADE ¾" PLYWOOD	SHOJI WHITE SW7042	* SEE DETAIL THIS SHT
PARTS STORAGE 2		T 1-11 PLYWOOD, H=8'-0" AFF PAINTED SERIOUS GREY, * USE 'B' GRADE ¾" PLYWOOD	SHOJI WHITE SW7042	* SEE DETAIL THIS SHT
OIL STORAGE		T 1-11 PLYWOOD, H=8'-0" AFF PAINTED SERIOUS GREY, * USE 'B' GRADE ¾" PLYWOOD	SHOJI WHITE SW7042	* SEE DETAIL THIS SHT

FINISH LEGEND

FLOORING

(1) FLOOR TILE
12" x 24" PORCELAIN,TRINITY TILE
COLOR: GREEN
ARAGONITE

FLOOR GROUT
LATICRETE
COLOR: #18 STERLING SILVER
PERMACOLOR

(2) NEW VINYL TILE W/ NEW VINYL BASE
ARMSTRONG 51903 BLUE/ GRAY
12"x12"x⅛" IMPERIAL
BASE: JOHNSONITE RUBBER,
10 CHARCOAL, 4" COVE

(3) CONCRETE EPOXY, SEE SHT. N-10

(4) FLOORING
SDT - ARMSTRONG
COLOR: 51956 FOSSIL GRAY
12"x12"x⅛", EXCELON SDT

BASE
JOHNSONITE DEFIANT20,
COLOR: 20 CHARCOAL, 4" HEIGHT

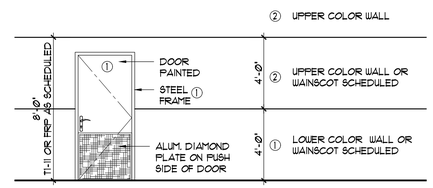
WALL COVERING

(1) PAINT: SHERWIN WILLIAMS
SW-6256
SERIOUS GRAY

(2) PAINT: SHERWIN WILLIAMS
SW-7042
SHOJI WHITE

(3) WALL TILE
12"x24" PORCELAIN,TRINITY TILE
COLOR: GREY
ARAGONITE

WALL TILE GROUT
LATICRETE
COLOR: 24 NATURAL GRAY



(1) SHERWIN WILLIAMS, SERIOUS GRAY, SW 6256
(2) SHERWIN WILLIAMS, SHOJI WHITE, SW 7042

PAINTED WALL/DOOR DETAIL

SCALE : ¼"=1'-0"

REVISION

MARK	DATE

NEW FLEET GARAGE BUILDING
ST LUCIE NUCLEAR FLEET GARAGE
6501 SOUTH OCEAN DRIVE, JENSEN BEACH, FL
FPL

STATE OF FLORIDA
ROBERT JOHN EVELYN
AR95856
REGISTERED ARCHITECT

EVELYN + ROUX architects
Theodore Roux AIA
Robert John Evelyn
4854 S.W. 72nd Avenue
Miami, Florida 33155
phone (305)443-8116

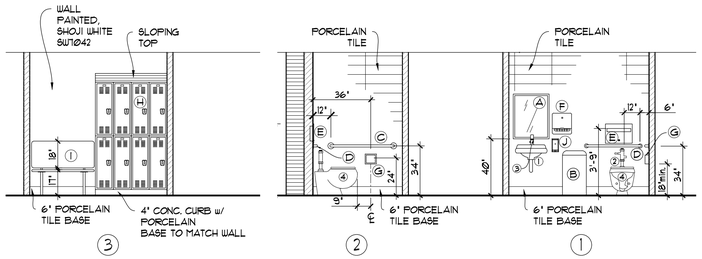
DATE: 11/4/22

JOB NO: 2265

A-1.1

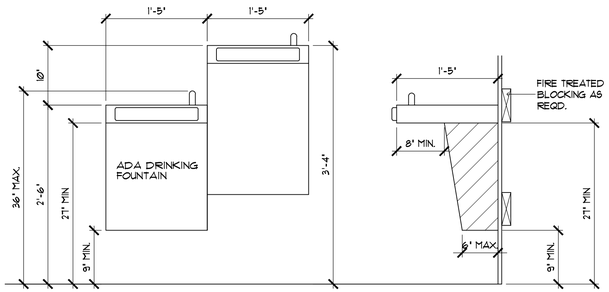
NOTES:

1. MOUNT ALL TOILET ACCESSORIES & E.D.F. PER MANUFACTURER'S SPEC SHEETS TO MEET HANDICAP REQUIREMENTS.
2. ALL TOILET ACCESSORIES SUPPLIED BY FPL VENDOR SHALL BE INSTALLED BY CONTRACTOR.
3. ALL TOILET ACCESSORY NUMBERS ABOVE ARE BOBRICK UNLESS OTHERWISE NOTED.
4. REF TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION.
5. ADA WALL MOUNTED SINK TO ACCOMMODATE FAUCET ONLY.



RESTROOM ELEVATIONS

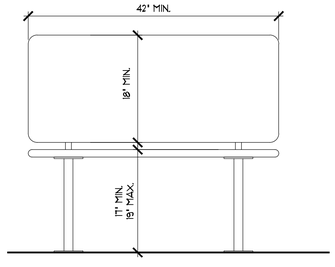
SCALE: ¼"=1'-Ø"



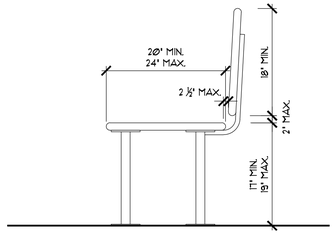
DRINKING FOUNTAIN TO COMPLY W/ F.B.C. 2020 EDITION.
ELKAY HI/LO 8S W/ FILTER - LZ8TL8SC OR EQUAL

DRINKING FOUNTAIN TYPICAL ELEVATIONS

SCALE 1"=1'-Ø"

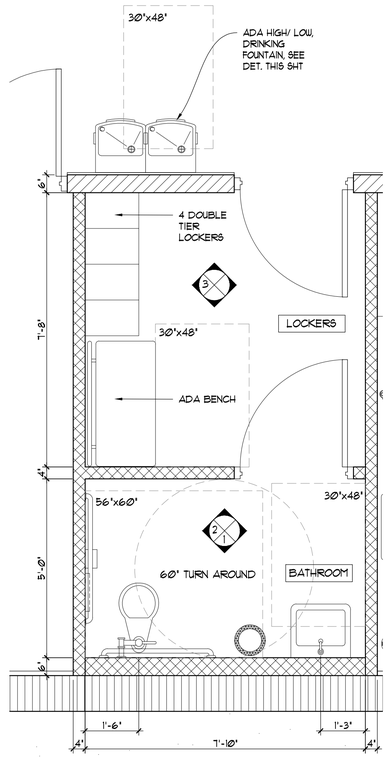


ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS, IS APPLIED AT ANY POINT ON THE SEAT, FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE.



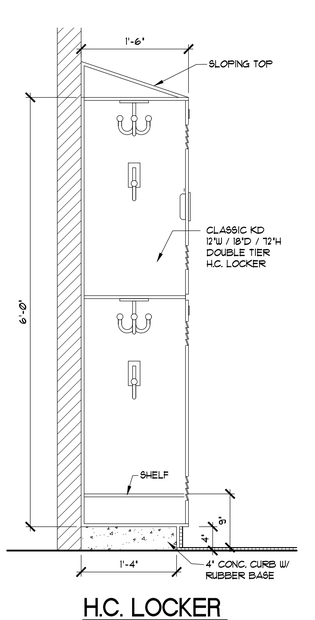
ADA BENCH DETAIL

SCALE: 1"=1'-Ø"



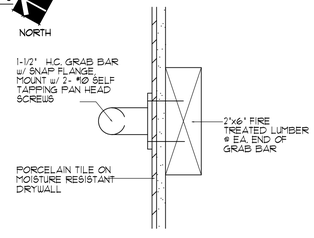
ENLARGED RESTROOM PLAN

SCALE: ½"= 1'-Ø"



H.C. LOCKER

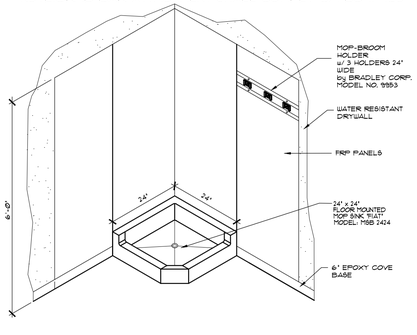
SCALE: 1"=1'-Ø"



GRAB BAR MOUNTING DTL.

SCALE: N.T.S.

NOTE:GRAB BAR ATTACHMENT SHALL COMPLY W/ FBC 11-4.26



TYP. JANITOR' SINK DETAIL

N.T.S.

PLUMBING ACCESSORIES

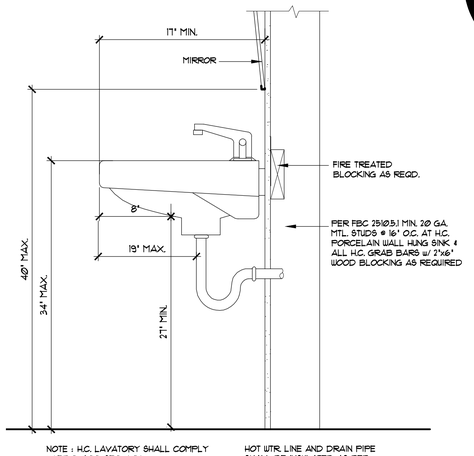
TAG	ACCESSORIES	MATERIAL	SIZE	MANUF.	MODEL /SERIES	COLOR	SPECS
A	ADA MIRROR		24"x36"	BOBRICK WASHROOM EQUIPMENT			4" HEIGHT, GLASS MIRROR W/ STAINLESS STEEL ANGLE FRAME
B	TRASH RECEPTACLE	STAINLESS STEEL		U-LINE	H-3622 OR SIMILAR		INSTALL BY GC
C	GRAB BAR (SIDE OF TOILET)		42" GRAB BAR	BOBRICK WASHROOM EQUIPMENT			G.B. B-6206 x 42" w/ CONCEALED MOUNTING & SNAP FLANGE, REINF. & FASTENERS TO COMPLY w/ 2020 FBC CHAP 11.426
D	GRAB BAR (BEHIND TOILET)		36" GRAB BAR	BOBRICK WASHROOM EQUIPMENT			G.B. B-6206 x 36" w/ CONCEALED MOUNTING & SNAP FLANGE, REINF. & FASTENERS TO COMPLY w/ 2020 FBC
E	TOILET SEAT COVER DISPENSER						INSTALL BY GC PROVIDED BY OWNER
F	PAPER TOWEL DISPENSER			GEORGIA PACIFIC	59498A	BLACK	ENMOTION IMPULSE 8" TOUCHLESS SENSOR, INSTALL BY GC
G	TOILET PAPER DISPENSER						INSTALL BY GC PROVIDED BY OWNER
H	LOCKERS		12"x 18" x 72"	LIST INDUSTRIES INC.	DOUBLE TIER, CLASSIC KD WARDROBE LOCKERS	HALLOWELL GRAY	
I	BENCH WITH BACK SUPPORT (ADA)		20"x48"	SUPERIOR	LAMINATED	HARDWOOD	AS PER FBC ACC-903
J	SOAP DISPENSER WALL MOUNTED						INSTALL BY GC PROVIDED BY OWNER

PLUMBING FIXTURES

TAG	ACCESSORIES	MATERIAL	SIZE	MANUF.	MODEL/SERIES	COLOR	SPECS
1	ADA WALL MOUNT SINK	VITREOUS CHINA	21"x18"	KOHLER OR EQUAL	K-2007-L-0	WHITE	USE CONCEALED ARM CARRIER, HOLE FOR FAUCET ONLY
2	WC FLUSHOMETERS			SLOAN	ROYAL 111	CHROME	
3	SLOAN SENSOR FAUCET			SLOAN	ESD-2101-CP	POLISHED CHROME	TOUCHLESS SENSOR WITH A/C ADAPTER
4	ADA WATER CLOSET	VITREOUS CHINA		KOHLER	HIGHCLIFF K-96057	WHITE	

ADA RESTROOM NOTES:

- ALL FIXTURES AND ELEMENTS REQUIRED FOR ACCESSIBILITY SHALL BE IN ACCORDANCE TO APPLICABLE REQUIREMENTS IN FBCA.
- SEATS ON ADA WATER CLOSETS SHALL BE 17-19 INCHES ABOVE FLOOR IN ACCORDANCE WITH SECTION 604.4 OF FBCA.
- GRAB BARS AT SIDE OF ADA WATER CLOSETS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 604.5.1 OF FBCA. (REFER TO FIGURE 604.5.1.)
- GRAB BARS AT REAR OF ADA WATER CLOSETS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 604.5.2 OF FBCA. (REFER TO FIGURE 604.5.2.)
- TOILET PAPER DISPENSER SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 604.7 OF FBCA. (REFER TO FIGURE 604.7.)
- RIMS ON THE LAVATORIES SHALL BE A MAXIMUM OF 34 INCHES ABOVE FLOOR IN ACCORDANCE WITH SECTION 606.3 OF FBCA.
- TOE AND KNEE CLEARANCES FOR LAVATORIES SHALL BE IN ACCORDANCE WITH SECTIONS 306.2 AND 306.3 OF FBCA.
- MINIMUM CLEARANCE OF 1'-3" SHALL BE INSTALLED TO CENTERLINES OF LAVATORIES IN ACCORDANCE WITH SECTION 405.3.1 OF FBCP.
- DOOR TO WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT SHALL PROVIDE 32 INCHES OF CLEAR OPENING AND BE SELF-CLOSING IN ACCORDANCE WITH SECTION 604.8.1.2 OF FBCA.



NOTE : H.C. LAVATORY SHALL COMPLY w/ F.B.C. ACC. SEC. 606

HOT WTR. LINE AND DRAIN PIPE SHALL BE INSULATED AS PER F.B.C. ACC. SEC. 606.5

SECTION @ HC SINK

SCALE: 1 ½"=1'-Ø"

REVISION

MARK	DATE

NEW FLEET GARAGE BUILDING
ST LUCIE NUCLEAR FLEET GARAGE
6501 SOUTH OCEAN DRIVE, JENSEN BEACH, FL

FPL

STATE OF FLORIDA ROBERT JOHN EVELYN REGISTERED ARCHITECT AR95856

EVELYN + ROUX architects
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Robert John Evelyn
4854 S.W. 72nd Avenue
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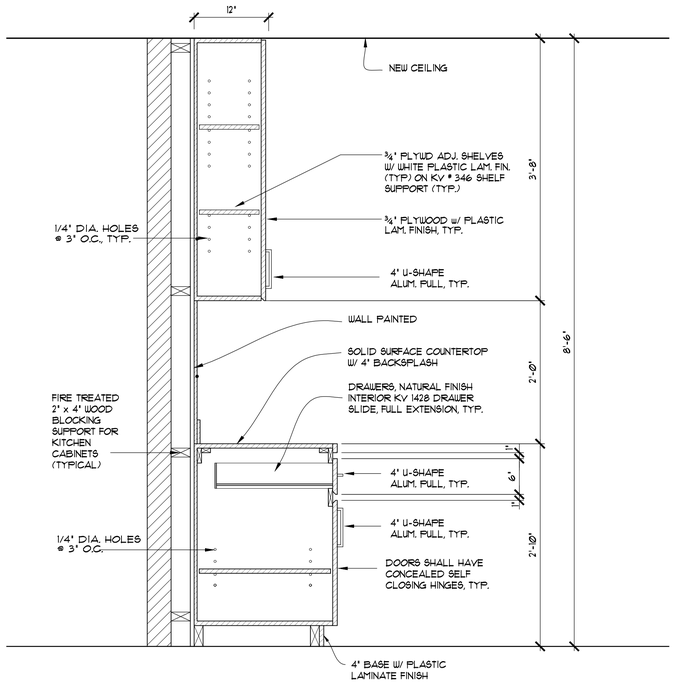
phone (305)443-8116

DATE: 11/4/22

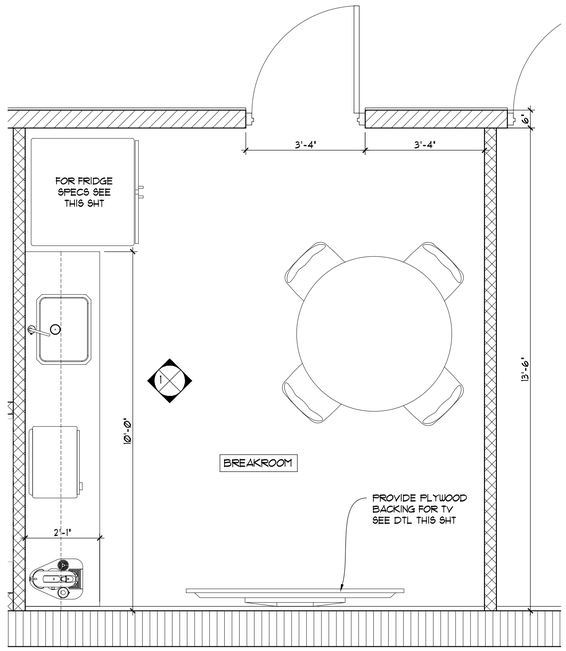
JOB NO: 2265

A-1.2



CABINET SECTION THRU REF. 1

SCALE: 1"=1'-Ø"



ENLARGED BREAKROOM PLAN

SCALE: ½" = 1'-Ø"

NORTH

BREAKROOM EQUIPMENT

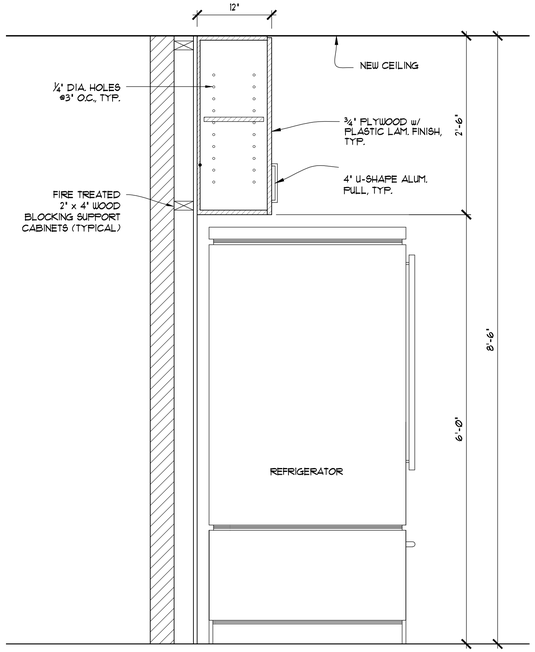
MARK	MAKE / MODEL	QTY.	COMMENTS
1	REFRIGERATOR	1	DOUBLE DOOR W/ THROUGH DOOR ICE MAKER DISPENSER, STAINLESS STEEL 25 CUFT, PLUMBER TO PROVIDE WATER STOP AND ¼" LINE FOR CONNECTION TO ICE MAKER, IF REFRIGERATOR HAS INTERNAL FILTERS, PURCHASE ADDITIONAL FILTERS FOR FPL STAFF. OWNER TO PROVIDE SPECS.
2	AUTOMATIC HAND SOAP DISPENSER	1	COASTWIDE, J-SERIES, MANUF: GWASBCGC/ STAPLES ITEM: 2440552Ø. SEE NOTE 2
3	FAUCET, MANUF: KOHLER	1	MODEL: K-7519, GOOSENECK FAUCET, INSIGHT TOUCHLESS W/ MIXER, HYBRID-POWER ELECTRIC
4	SINK 23 ½"X18 ¼"x5 ⅜" DEEP, MANUF: ELKAY	1	MODEL: ELUHAD2115S, STAINLESS STEEL, SINGLE COMPARTMENT UNDERMOUNT, TYPE 304 18-8
	SINK STRAINER, MANUF: ELKAY (IN LIEU OF GARBAGE DISPOSALS)		MODEL: LKDD, STAINLESS STEEL, DEEP SINK STRAINER WITH BASKET AND STOPPER
5	TOUCHLESS ROLL TOUEL DISPENSER		GEORGIA PACIFIC, EMOTION 8", MODEL # 59438A (BLACK). SEE NOTE 2
6	MICROWAVE OVEN		MODEL: LG LMC2Ø15
7	COFFEE MAKER (COFFEE ESPRESSO & LATTE MACHINE)		OWNER PROVIDE. COORDINATE WITH BU & ZEPHERHILLS

NOTES:

1. COORDINATE LOCATIONS OF EXISTING EQUIPMENT W/ OWNER
2. PROVIDED AND INSTALLED BY GC
3. PROVIDE PLUMBING CONNECTION ON WATER LINE

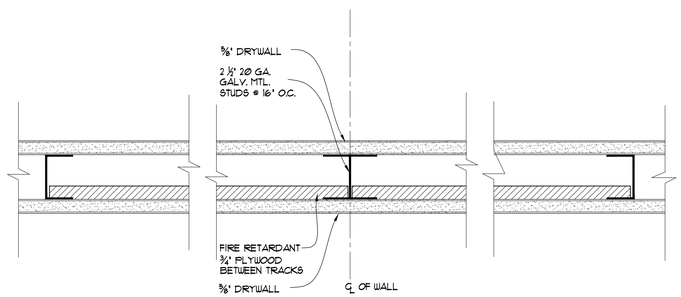
BREAKROOM FINISHES PLAN

MARK	MATERIAL	SIZE	MANUF.	MODEL/SERIES	COLOR	NOTES
UPPER CABINETS	PLASTIC LAMINATE		WILSONART	5Ø15	NORDIC LINEN	
LOWER CABINETS						
COUNTER TOP	SOLID SURFACE		CORIAN	4746-6Ø	CARBON CONRETE	
4" BACKSPLASH						
CABINETS HANDLES (SHOWN)						4" U SHAPE ALUMINUM FULL TYPE
CABINETS HINGES (SHOWN)						CONCEALED SELF CLOSING HINGES



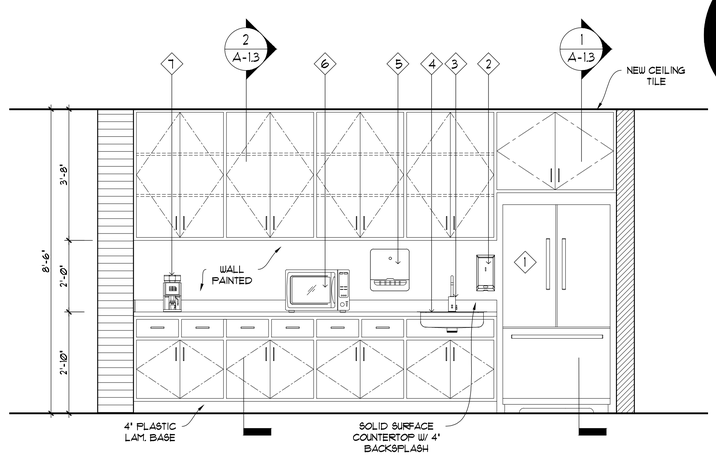
MILLWORK SECTION 2

SCALE: 1"=1'-Ø"



TYP. BACKING DETAIL

SCALE: 3"=1'-Ø"



BREAKROOM ELEVATION

SCALE: ½" = 1'-Ø"

REVISION

MARK	DATE

NEW FLEET GARAGE BUILDING
ST LUCIE NUCLEAR FLEET GARAGE
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FPL

STATE OF FLORIDA
ROBERT JOHN EVELYN
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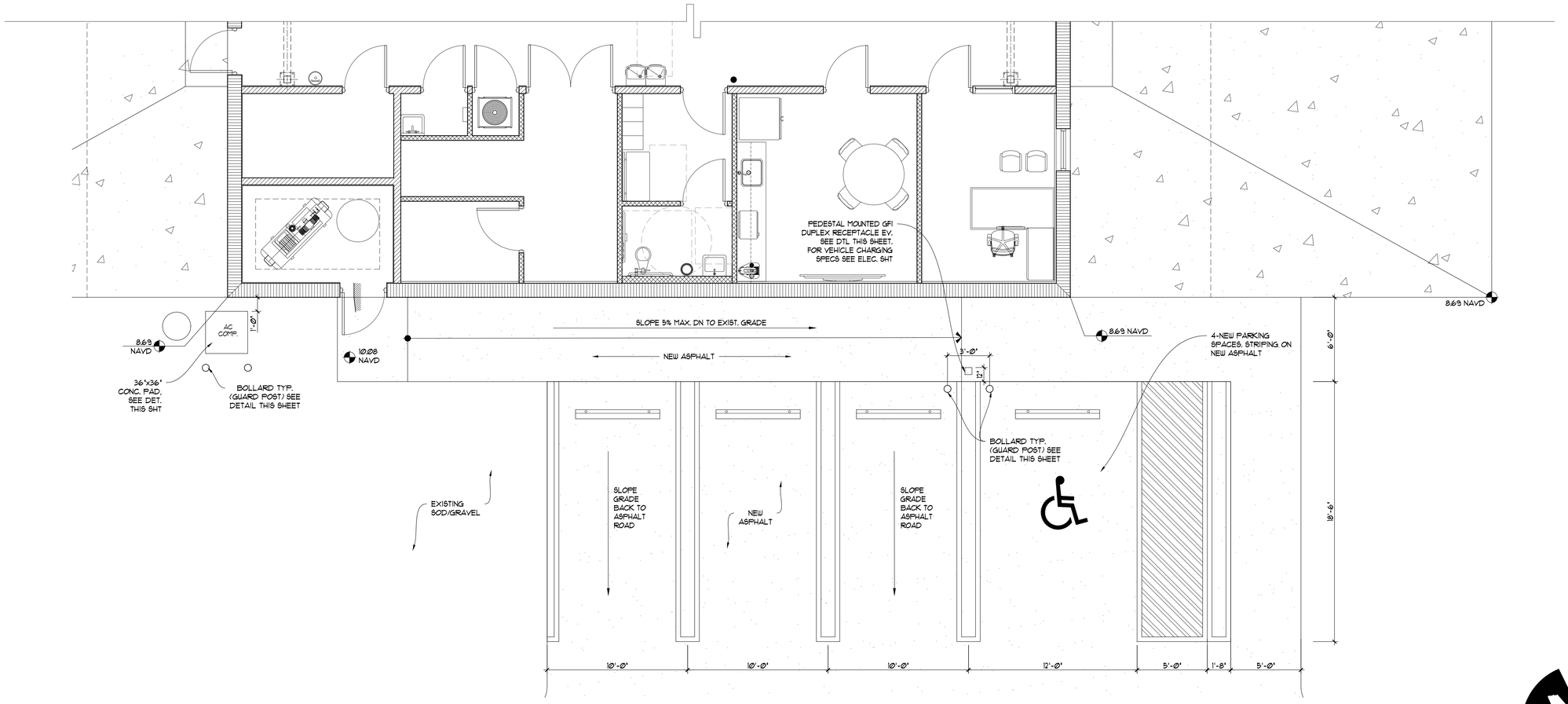
JOB NO: 2265

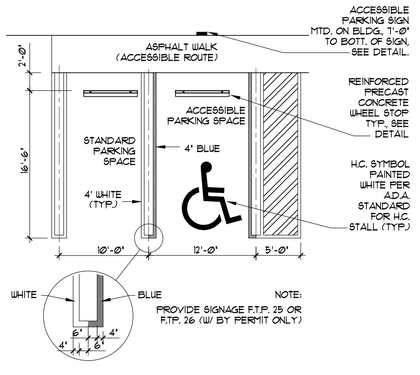
A-1.3



PARKING-FLOOR PLAN

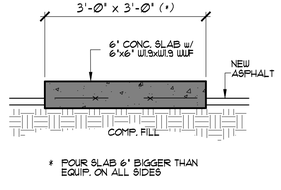
SCALE : 1/4"=1'-0"

NORTH



PARKING DETAIL

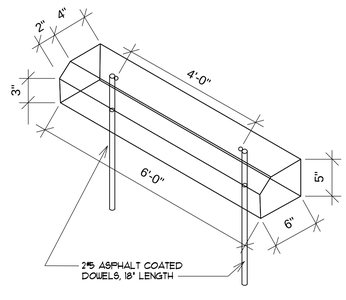
SCALE: 1/8"=1'-0"



A/C SLAB DETAIL

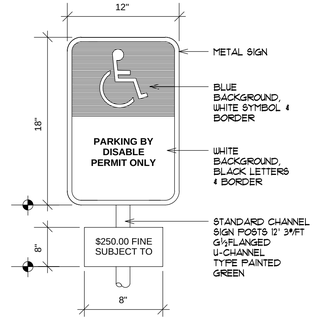
SCALE: 3/4"=1'-0"

3 A-1.4



WHEEL STOP DETAIL

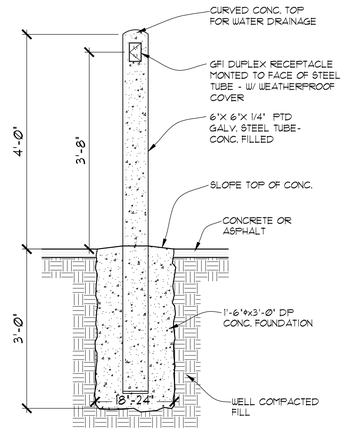
SCALE: N.T.S.

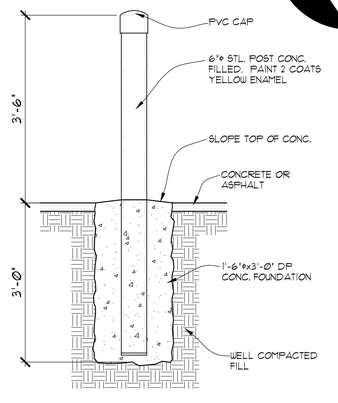


DUPLEX MOUNT DETAIL

SCALE: 3/4"=1'-0"

2 A-1.4





FIX BOLLARD DETAIL

SCALE: 3/4"=1'-0"

1 A-1.4

REVISION

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FPL

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EVELYN + ROUX architects
Theodore Roux AIA
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Miami, Florida 33155
phone (305)443-8116

DATE: 11/4/22

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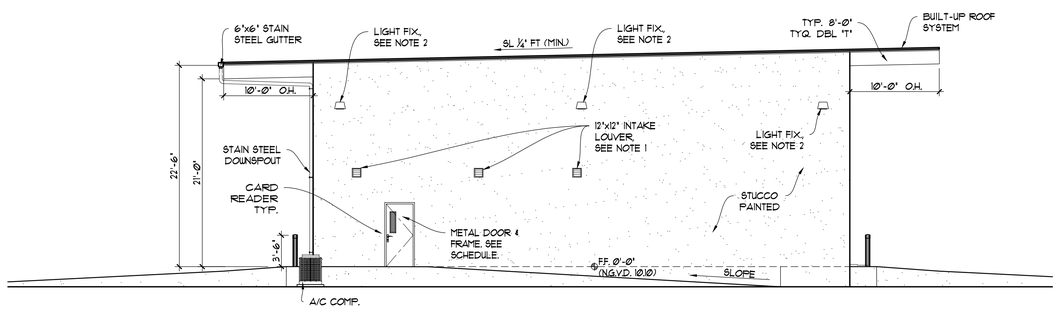
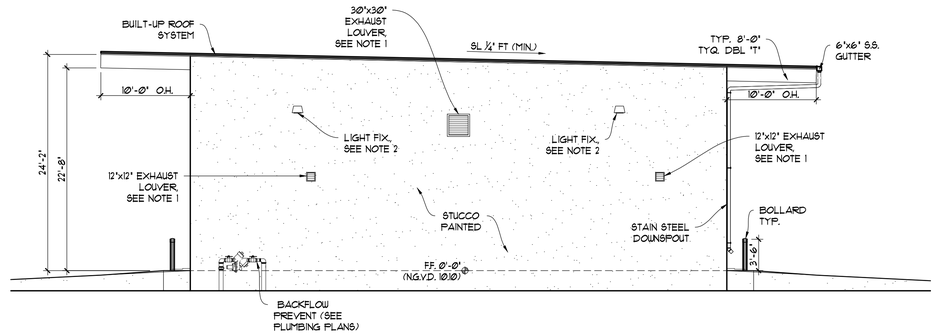
A-1.4



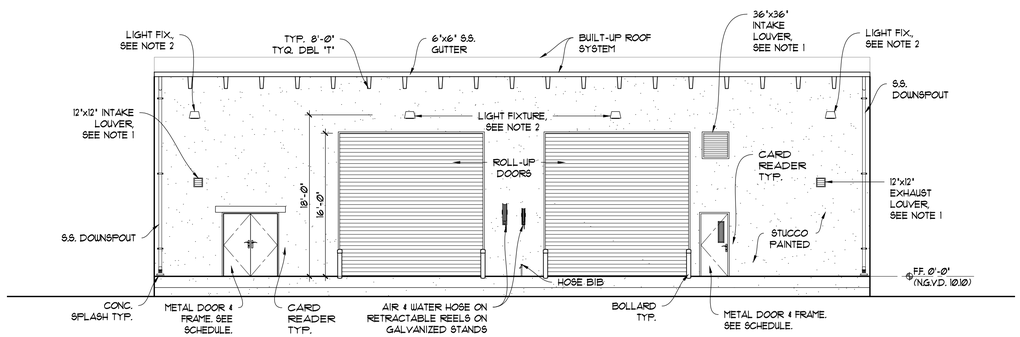
WEST ELEVATION

SCALE: 1/8" = 1'-Ø"



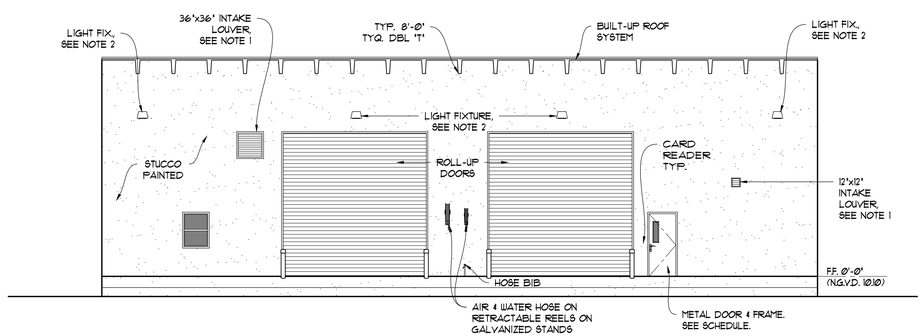
EAST ELEVATION

SCALE: 1/8" = 1'-Ø"



NORTH ELEVATION

SCALE: 1/8" = 1'-Ø"



SOUTH ELEVATION

SCALE: 1/8" = 1'-Ø"

NOTES:

1- REFER TO MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.

2- REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.

F.P.L. STANDARD EXTERIOR PAINT COLORS

LIGHT GRAY (EXTERIOR WALL) - BRAND: SHERWIN WILLIAMS
NAME: SHOJI WHITE
CODE: SW 7042

REVISION

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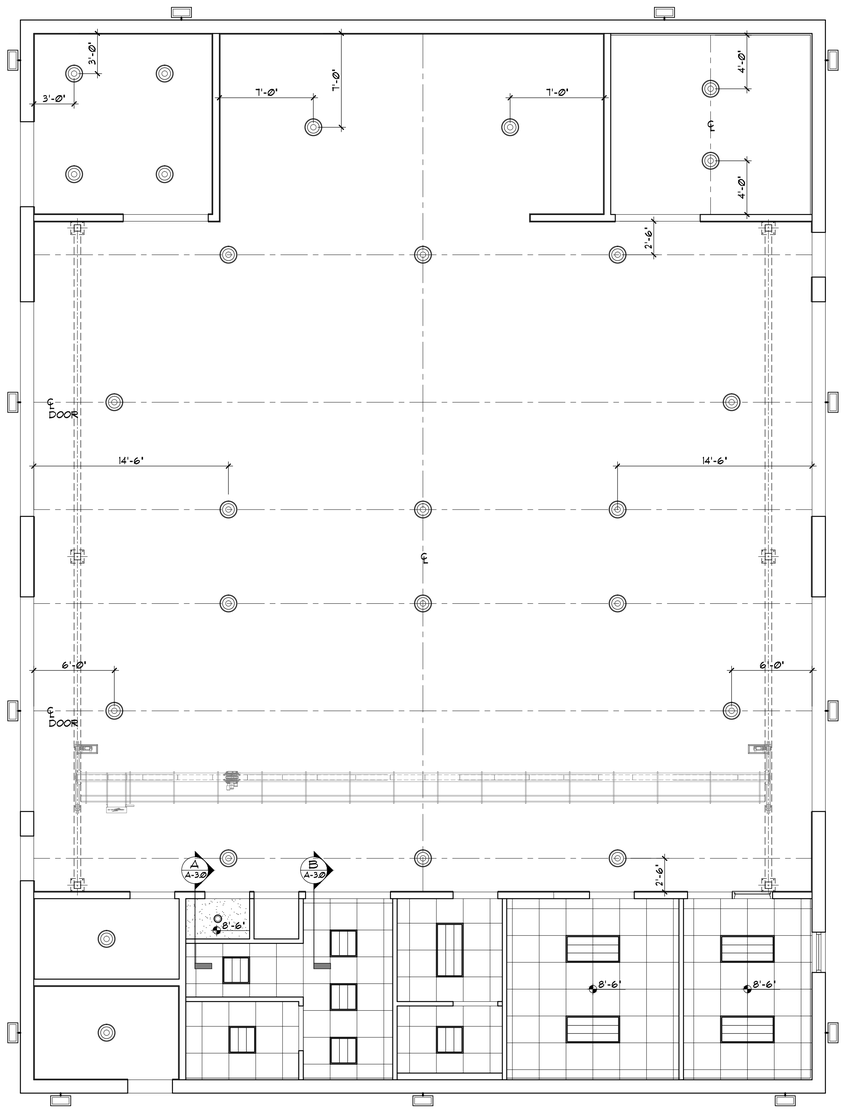
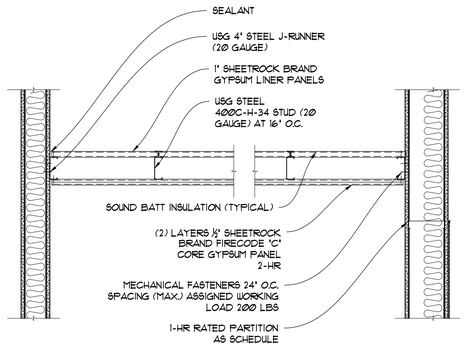


REFLECTED CEILING PLAN

SCALE : 3/16"=1'-0"

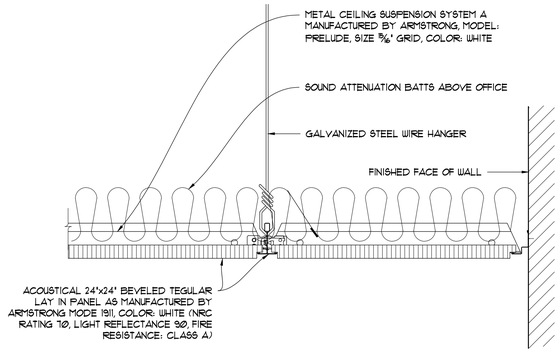
NORTH



SECTION A

SCALE : 3"=1'-0"

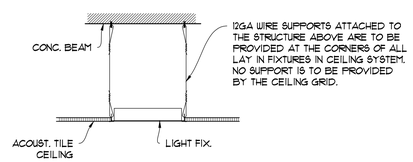
A-3.0



SECTION B

SCALE : 3"=1'-0"

A-3.0



SUPPORT OF LAY IN LIGHT FIX. DETAIL

SCALE : ½"=1'-0"

LEGEND:

- 24"x24"x¾" ACOUST. CEIL. TILE, (MANUF: ARMSTRONG, MODEL: ULTIMA 1911, COLOR: WHITE) & GRID, MANUF: PRELUDE, COLOR: WHITE), LAY-IN CIRRUS FINE TEXTURE, 15/16" FACE EXPOSED GRID
- SUSPENDED GYPSUM BOARD CEILING AND/OR SOFFIT, SEE FINISH SCHEDULE
- 2'x4' LED LIGHT FIXTURE, LITHONIA, WHITE
- 2'x2' LED LIGHT FIXTURE, LITHONIA, WHITE
- 6"ø ROUND RECESSED LED DOWNLIGHT, LITHONIA
- PENDANT MOUNTED LED LIGHT
- WALL MOUNTED LIGHT FIXTURE

NOTES:

1-. PROVIDE HANGING WIRES FOR SUSPENDED ACOUSTICAL CEILINGS AT 4'-0" O.C. AND AT CORNERS OF EACH DROP-IN LIGHT FIXTURE.

2-. CENTER GRID IN ROOM .

3-. REFER TO ELEVATIONS FOR HEIGHT AND LOCATION, SEE ELECT. SHEETS FOR ADDITIONAL LIGHTING INFORMATION.

REVISION

MARK	DATE

NEW FLEET GARAGE BUILDING
ST LUCIE NUCLEAR FLEET GARAGE
FPL 6501 SOUTH OCEAN DRIVE, JENSEN BEACH, FL

STATE OF FLORIDA ROBERT JOHN EVELYN REGISTERED ARCHITECT AR95856

EVELYN + ROUX architects
Theodore Roux AIA
Robert John Evelyn
4854 S.W. 72nd Avenue
Miami, Florida 33155
phone (305)443-8116

DATE: 11/4/22

JOB NO: 2265

A-3.0

ROOF PLAN

SCALE : 3/64"=1'-0"

NORTH

ROOF DRAIN PROJECTED AREA (SF)-4.5"/HR RAINFALL						
ROOF AREA (SF)	PARAPET AREA (50%)	TOTAL PROJECTED AREA	CONVERT TO GPM (FACTOR .0468)	VERT. LEADER FBC-P TAB 1106.3	HORZ. GUTTER FBC-P TAB 1106.6	DOWNSPOUT PROVIDE
6,400	0	6,400	REQUIRED=300 GPM	4" x 5" = (360 GPM) 4" x 5" PROVIDED	4 ½" x 6" = (348 GPM) 6" x 6" PROVIDED	2

ROOFING :GARLAND MODIFIED BITUMEN ROOFING SYSTEM

MIAMI - DADE NOA #21-1004.06 (PG 44,45)

LAYER ASSEMBLY:
BOTTOM SUBSTRATE- CONCRETE DOUBLE TEES
BASE INSULATION: 1 ½" AC FOAM-II, ISO 95+ GL, H-SHIELD
TOP INSULATION: ½" STRUCTODEK HIGH DENSITY FIBERBOARD

BASE PLY: ONE PLY OF STRESS BASE 80
TOP LAYER: STRESS PLY PLUS FR MINERAL, OR ADHERED WITH WEATHERKING PLUS WC APPLIED AT 2 ½ GAL/SQ. REF TO NOA

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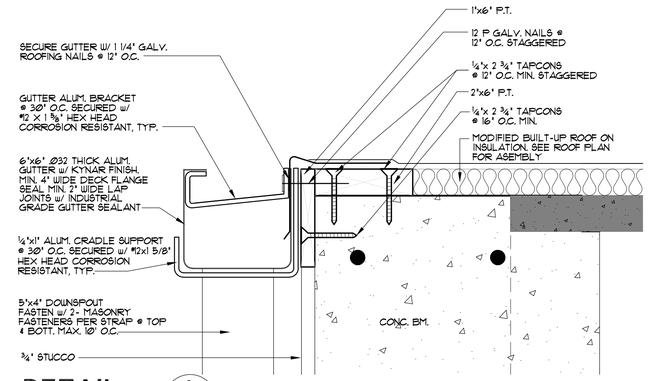
FBC 2020 SECTION 705.11 PARAPETS.

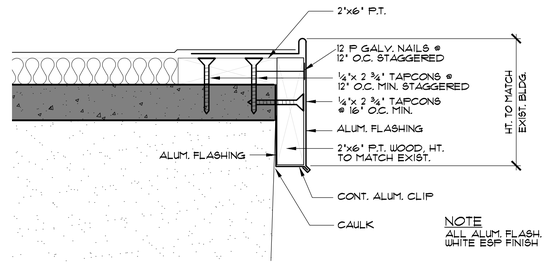
EXCEPTIONS:
1-. WALLS THAT TERMINATE AT ROOFS OF NOT LESS THAN 2-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION OR WHERE THE ROOF, INCLUDING THE DECK OR SLAB AND SUPPORTING CONSTRUCTION, IS CONSTRUCTED ENTIRELY OF NONCOMBUSTIBLE MATERIALS.

WALL ASSEMBLY
1-. POURED CONCRETE TIE BEAMS.
2-. CONCRETE DBL. TEES.
3-. CMU BLOCK WALL-UL DESIGN No. U305-2HR, PROVIDE MORTAR AS FOLLOWS:

BLOCKS LAID IN FULL BED OF MORTAR, NOM. ⅜" THICK, OF NOT LESS THAN 2 ¼ AND NOT MORE THAN 3 ½ PARTS OF CLEAN SHARP SAND TO 1 PART PORTLAND CEMENT (PROPORTIONED BY VOLUME) AND NOT MORE THAN 50% HYDRATED LIME (BY CEMENT VOLUME). VERTICAL JOINTS STAGGERED.

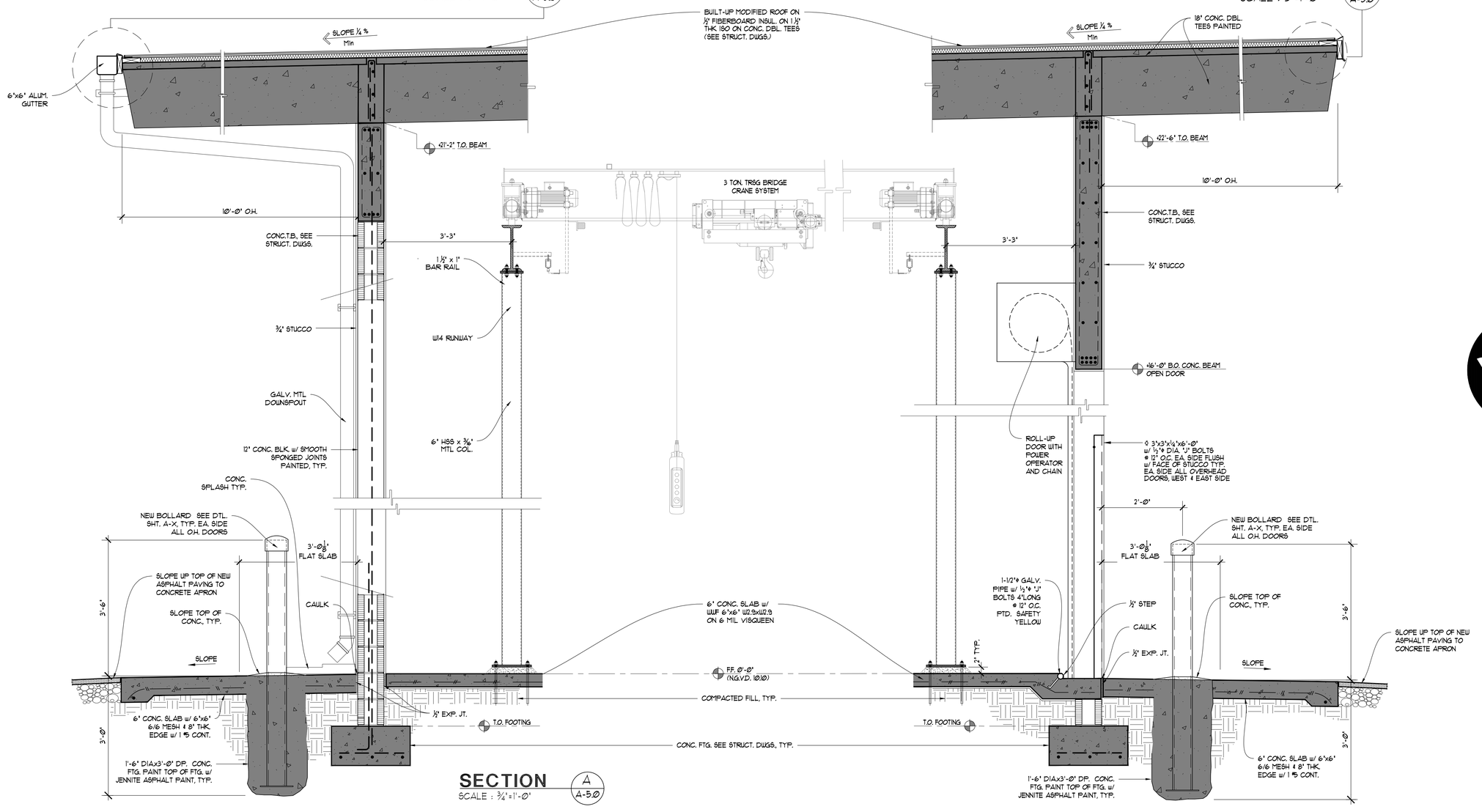


DETAIL 2 / A-5.0
SCALE : 3"=1'-0"



NOTE
ALL ALUM. FLASH. WHITE ESP FINISH

DETAIL 1 / A-5.0
SCALE : 3"=1'-0"



SECTION A / A-5.0
SCALE : ¾"=1'-0"

REVISION

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6501 SOUTH OCEAN DRIVE, JENSEN BEACH, FL

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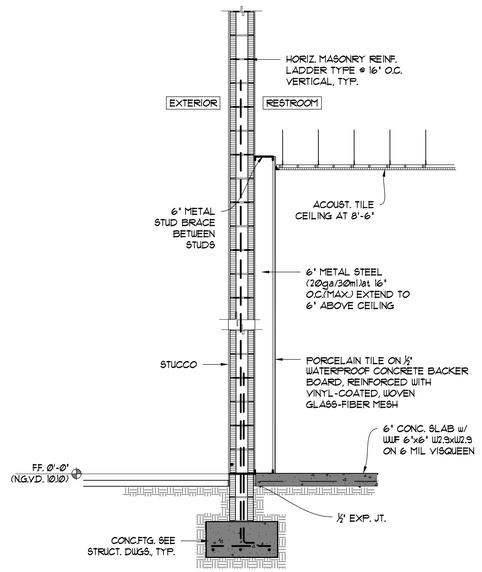
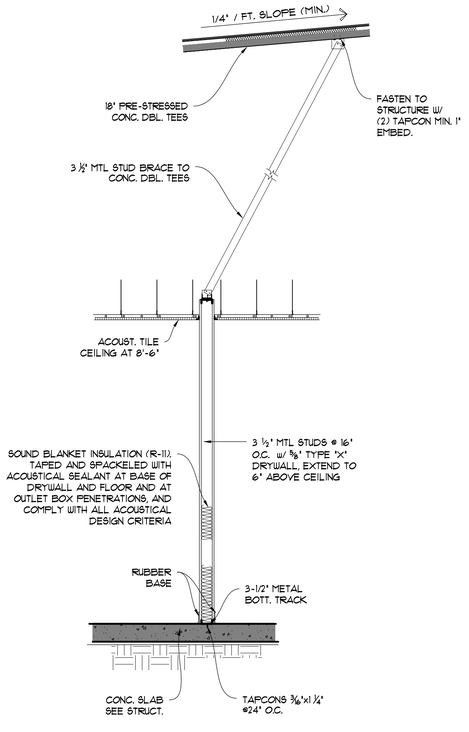
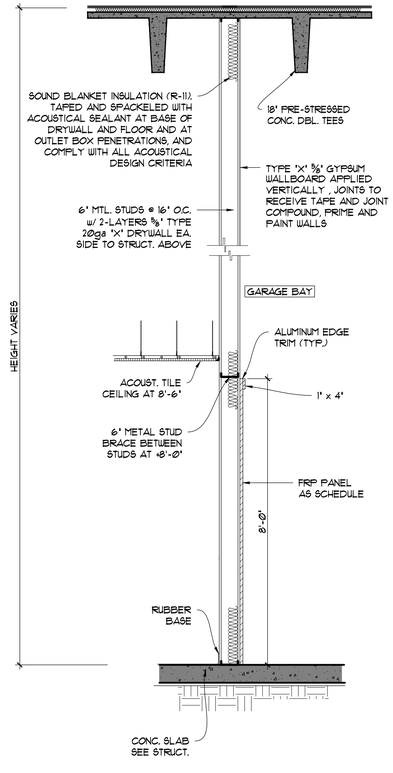


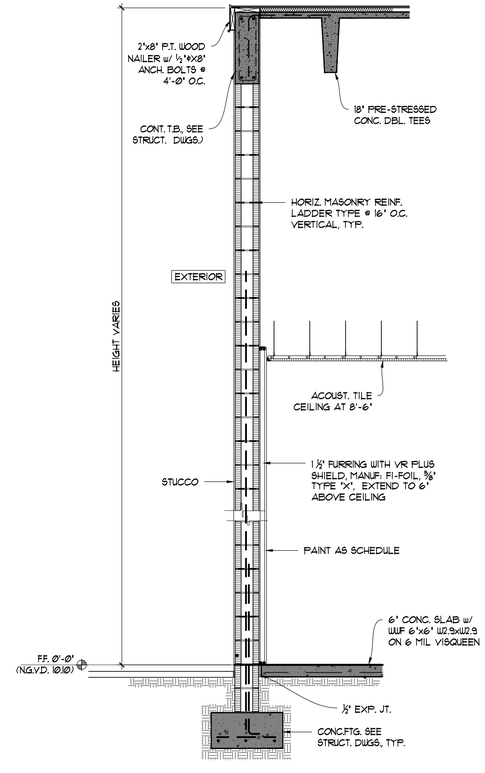
WALL TYPE "E"
SCALE : ½"=1'-Ø"



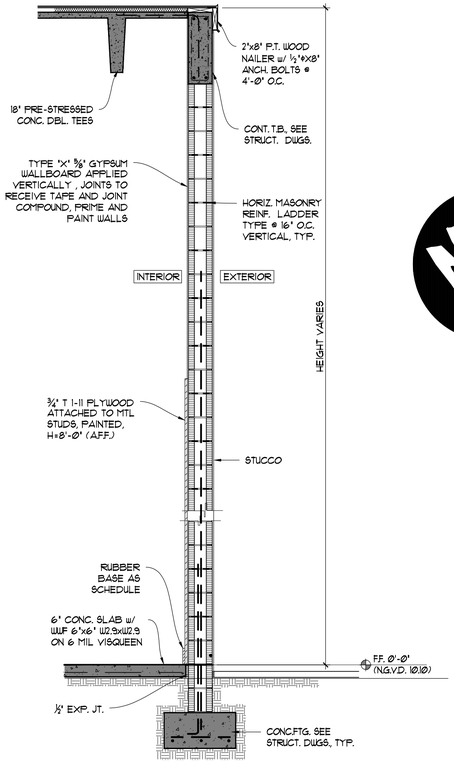
WALL TYPE "D"
SCALE : ½"=1'-Ø"



WALL TYPE "C"
SCALE : ½"=1'-Ø"



WALL TYPE "B"
SCALE : ½"=1'-Ø"



WALL TYPE "A"
SCALE : ½"=1'-Ø"

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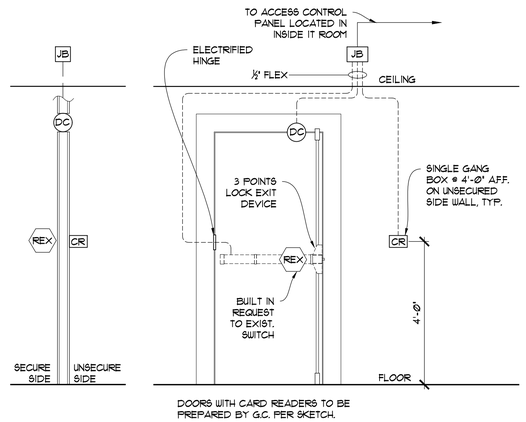


DOORS WITH CARD READERS TO BE PREPARED BY G.C. PER SKETCH.

SIDE VIEW FRONT VIEW

SINGLE EXTERIOR DOOR TYP. 3 POINTS

SCALE: ½"=1'-0"

WINDOW SCHEDULE						
WINDOW NO.	SIZE WIDTH	SIZE HEIGHT	SIZE GLASS THICK	FRAME	PGT MODEL	REMARKS
A	3'-0"	3'-8"	⅜ TYPE 9 GLASS	ALUMINUM CLEAR ANODIZED	SH7100A	ALUMINUM FIXED WINDOWS, MANUF: PGT INDUSTRIES, M1651LE IMPACT RESISTANCE
B	3'-0"	3'-8"			FW7120A	

WINDOW NOTES :

1-NOA No. 20-0401.11
EXPIRATION DATE: AUGUST 23, 2023
APPROVAL DATE: JULY 30, 2010
PGT MODEL: SH7100A

2-NOA No. 20-0401.10
EXPIRATION DATE: FEBRUARY 19, 2024
APPROVAL DATE: AUGUST 06, 2010
PGT MODEL: FW7120A

DOOR AND WINDOW FLASHING NOTE:
PER FBC 1405.4.1.1 - INSTALL FLASHING FOR ALL EXTERIOR WINDOW AND DOOR ASSEMBLIES. FLASHING SHALL EXTEND TO THE EXTERIOR WALL. INSTALL PER WINDOW MFR. USE PROSOCO FASTFLASH LIQUID APPLIED FLASHING.

ALUMINUM DIAMOND PLATE ON DOORS :

HEIGHT= UNDER DOOR HARDWARE, LEVER SETS AND PANIC DEVICES, DIAMOND PLATE TO BE INSTALLED ON PUSH SIDE OF DOOR.

INTERIOR-DOORS (4) (5) (7) (9) (10) (11) (18)

INTERIOR/EXTERIOR-DOORS (17)

(SEE A1.0 FOR TAG NUMBERS)

SPECIFICATION NOTES:

DOORS

1-. EXTERIOR DOORS AND FRAMES ON THE INTERIOR TO BE PAINTED WITH SHERWIN WILLIAMS-SW7663-COLOR: MONORAIL SILVER.

2-. ALL HARDWARE SHALL BE COORDINATED & COMPLY WITH FPL'S SECURITY VENDOR (155) SPECIFICATIONS & PLANS.

3-. LITES IN EXTERIOR DOORS TO BE IMPACT GLASS ANCHORING FASTENERS AND SPACING SHALL CONFORM WITH REQUIREMENTS SPECIFIED IN THE PRODUCT APPROVAL DOCUMENT.

4-. GC TO PROVIDE ROUGH-IN AND POWER FOR ALL DOORS W/ CARD READER (COORD. W/ FPL SECURITY VENDOR 155) SECURITY SYSTEM. ALL SECURITY RELATED HARDWARE SHALL BE SUPPLIED BY OWNER.

DOOR AND HARDWARE SCHEDULE

DOOR NO.	SIZE WIDTH	SIZE HEIGHT	SIZE THICK	MATERIAL	TYPE	JAMB	LABEL	THRESHOLD	HWR GROUP	REMARKS
1	3'-0"	7'-0"	1 ¾"	HOLLOW CORE MTL	2	1		ALUM	2	PROVIDE CARD READER ACCESS PER 155 EXTERIOR DOOR
2	16'-0"	16'-0"		METAL	1			-	-	OH ROLL-UP
3	16'-0"	16'-0"		METAL	1			-	-	OH ROLL-UP
4	3'-0"	7'-0"	1 ¾"	HOLLOW CORE MTL	4 #	2	"B" LABEL	-	7	# DIAMOND 1E @ EXTERIOR
5	3'-0"	7'-0"	1 ¾"	HOLLOW CORE MTL	4 #	5	"B" LABEL	MARBLE 1/2" MAX	8	PORCELAIN TILE @ TOILET # DIAMOND 1E
6	3'-0"	7'-0"	1 ¾"	S.C. WOOD	5	5	"B" LABEL	MARBLE 1/2" MAX	8	PORCELAIN TILE @ TOILET
7	PR 3'-0"	7'-0"	1 ¾"	HOLLOW CORE MTL	3 #	2	"B" LABEL	ALUM.	4	# DIAMOND 1E
8	3'-0"	7'-0"	1 ¾"	S.C. WOOD	5 #	3			5.1	# DIAMOND 1E
9	3'-0"	7'-0"	1 ¾"	HOLLOW CORE MTL	4 #	2	"B" LABEL		6	# DIAMOND 1E
10	3'-0"	7'-0"	1 ¾"	HOLLOW CORE MTL	4 #	2	"B" LABEL		5	# DIAMOND 1E
11	3'-0"	7'-0"	1 ¾"	HOLLOW CORE MTL	4 #	2	"B" LABEL	-	7	# DIAMOND 1E
12	3'-0"	7'-0"	1 ¾"	HOLLOW CORE MTL	2	1		ALUM	2	PROVIDE CARD READER ACCESS PER 155 EXTERIOR DOOR
13	3'-0"	7'-0"	1 ¾"	HOLLOW CORE MTL	2	1		ALUM	2	PROVIDE CARD READER ACCESS PER 155 EXTERIOR DOOR
14	16'-0"	16'-0"		METAL	1			-	-	OH ROLL-UP
15	16'-0"	16'-0"		METAL	1			-	-	OH ROLL-UP
16	PR 3'-0"	7'-0"	1 ¾"	HOLLOW CORE MTL	3	1		ALUM	1	W/ METAL ASTRAGAL AND CARD READER
17	PR 3'-0"	7'-0"	1 ¾"	HOLLOW CORE MTL	3 #	4	"B" LABEL	ALUM.	3	# DIAMOND 1E BOTH SIDES
18	PR 3'-0"	7'-0"	1 ¾"	HOLLOW CORE MTL	3 #	4	"B" LABEL	ALUM.	4	# DIAMOND 1E
19	3'-0"	7'-0"	1 ¾"	HOLLOW CORE MTL	4 #	2	"B" LABEL		6	# DIAMOND 1E

EXTERIOR DOOR APPROVALS (SCHLAGE LOCK COMPANY)

1. STEELCRAFT H SERIES DBL FLUSH OUTSWING COMMERCIAL DOOR - NOA 22-0414.13, EXP MAY 05 2028
2. STEELCRAFT H SERIES SLG GLAZED OUTSWING COMMERCIAL DOOR-NOA 22-0427.03 EXP MAY 05 2028

HARDWARE GROUP NO. 01
Door #6
Provide each PR door(s) with the following:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6 EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1 EA	POWER TRANSFER	EPT10 CON	689	VON
1 EA	ELEC PANIC HARDWARE	RX-HH-9827-EO-299F-CON-SNB	630	VON
1 EA	ELEC PANIC HARDWARE	RX-HH-9827-L-M996-IT-299F-PSE-CON-SNB		
1 EA	SFIC RIM CYLINDER	80-159	626	SCH
1 EA	IC CORE	IC-7 - VERIFY KEYWAY WITH OWNER	626	BES
2 EA	SURFACE CLOSER	4040XP CUSH TBSRT	689	LCN
2 EA	ARMOR PLATE	ALUMINUM DIAMOND PLATE 34" X 2" LDW	ALM	UNK
1 EA	RAIN DRIP	142AA	AA	ZER
2 SET	MEETING STILE	328AA-S	AA	ZER
1 EA	GASKETING	8150SBK PSA	BK	ZER
2 EA	DOOR BOTTOM	FAS-SEAL		STE
1 EA	THRESHOLD	566A-223	A	ZER
1EA	CARD READER	CARD READER - BY SECURITY VENDOR		UNK
2		DOOR CONTACT(S)- BY SECURITY VENDOR PROVIDE FACTORY POINT TO POINT WIRING DIAGRAMS		

CARD READER DOOR CONTACTS AND ALL ACCESS CONTROL ACCESSORIES BY THE SYSTEMS INTEGRATOR, POWER TO ELECTRIC LOCK PROVIDED BY SECURITY SYSTEMS CONTRACTOR. SCHLAGE LOCK NOA 20-1005.20 BASIS OF DESIGN
ASTRAGAL BY DOOR SUPPLIER

HARDWARE GROUP NO. 02
Doors # 12, 13
Provide each SGL door(s) with the following:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1 EA	POWER TRANSFER	EPT10 CON	689	VON
1 EA	ELEC PANIC HARDWARE	RX-HH-9875-L-M996-IT-PSE-CON-SNB	626	VON
1 EA	SFIC MORTISE CYL.	80-132 GRN X K510-130 36-0283	626	SCH
1 EA	IC CORE	IC-7 - VERIFY KEYWAY WITH OWNER	626	BES
1 EA	SURFACE CLOSER	4040XP CUSH TBSRT	689	LCN
1 EA	ARMOR PLATE	ALUMINUM DIAMOND PLATE 34" X 2" LDW	ALM	UNK
1 EA	RAIN DRIP	142AA	AA	ZER
1 EA	GASKETING	8150SBK PSA	BK	ZER
2 EA	DOOR BOTTOM	FAS-SEAL		STE
1 EA	THRESHOLD	566A-223	A	ZER
1EA	CARD READER	CARD READER - BY SECURITY VENDORUNKJDOOR CONTACT(S) BY OTHERS/PROVIDE FACTORY POINT TO POINT WIRING DIAGRAMS		

CARD READER, DOOR CONTACTS AND ALL ACCESS CONTROL ACCESSORIES BY THE SYSTEMS INTEGRATOR, POWER TO ELECTRIC LOCK PROVIDED BY SECURITY SYSTEMS CONTRACTOR. SCHLAGE LOCK NOA 20-1005.20 BASIS OF DESIGN
ASTRAGAL BY DOOR SUPPLIER

HARDWARE GROUP NO. 03
Door #3
Provide each PR door(s) with the following:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6 EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1 EA	FIRE EXIT HARDWARE	9827-EO-F-SNB	630	VON
1 EA	FIRE EXIT HARDWARE	9827-L-NL-F-IT-SNB	630	VON
1 EA	SFIC MORTISE CYL.	80-159	626	SCH
1 EA	IC CORE	IC-7 - VERIFY KEYWAY WITH OWNER	626	BES
1 EA	SURFACE CLOSER	4040XP CUSH TBSRT	689	LCN
2 EA	ARMOR PLATE	ALUMINUM DIAMOND PLATE 840 2 34" X 2" LDW B-CS	630	IVE
2SET	MEETING STILE	328AA-S	AA	ZER
1 EA	GASKETING	4888SBK PSA	BK	ZER

ASTRAGAL BY DOOR SUPPLIER

HARDWARE GROUP NO. 04
Door #1, 18
Provide each PR door(s) with the following:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6 EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1 EA	MANUAL FLUSH BOLT	FB451	626	IVE
1 EA	DUST PROOF STRIKE	DP2	626	IVE
1 EA	VANDL STOREROOM LOCK	ND96HD 5PA	626	SCH
1 EA	IC CORE	IC-7 - VERIFY KEYWAY WITH OWNER	626	BES
2 EA	SURFACE CLOSER	4040XP CUSH TBSRT	689	LCN
2 EA	ARMOR PLATE	ALUMINUM DIAMOND PLATE 34" X 2" LDW	ALM	UNK
3 EA	SILENCER	SR64	GRY	IVE

ASTRAGAL BY DOOR SUPPLIER

HARDWARE GROUP NO. 05
Door #10
Provide each SGL door(s) with the following:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1 EA	VANDL STOREROOM LOCK	ND96HD 5PA	626	SCH
1 EA	IC CORE	IC-7 - VERIFY KEYWAY WITH OWNER	626	BES
1 EA	SURFACE CLOSER	4040XPREG OR PA AS REQ. TBSRT	689	LCN
1 EA	ARMOR PLATE	ALUMINUM DIAMOND PLATE 34" X 2" LDW	ALM	UNK
1 EA	GASKETING	4885BK PSA	BK	ZER

HARDWARE GROUP NO. 05.1
Door #8
Provide each SGL door(s) with the following:
SAME AS HARDWARE GROUP NO. 05 EXECPT REMOVE GASKETING AND ADD:

3 EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 06
Door# 23
Provide each SGL door(s) with the following:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1 EA	VANDL STOREROOM LOCK	ND96HD 5PA	626	SCH
1 EA	IC CORE	IC-7 - VERIFY KEYWAY WITH OWNER	626	BES
1 EA	SURFACE CLOSER	4040XPREG OR PA AS REQ. TBSRT	689	LCN
1 EA	WALL STOP	WS406/407CCV	630	IVE
3 EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 07
Door #4
Provide each SGL door(s) with the following:

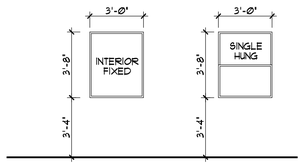
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1 EA	VANDL ENTRANCE LOCK	ND93HD 5PA	626	SCH
1 EA	IC CORE	IC-7 - VERIFY KEYWAY WITH OWNER	626	BES
1 EA	SURFACE CLOSER	4040XPREG OR PA AS REQ. TBSRT	689	LCN
3 EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 08
Door #5, 6
Provide each SGL door(s) with the following:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1 EA	PRIVACY W/COIN TURN	L9044 17A L583-363 L283-722	626	SCH
1 EA	SURFACE CLOSER	4040XPREG OR PA AS REQ. TBSRT	689	LCN
1 EA	ARMOR PLATE	ALUMINUM DIAMOND PLATE 34" X 2" LDW	ALM	UNK
3 EA	SILENCER	SR64	GRY	IVE

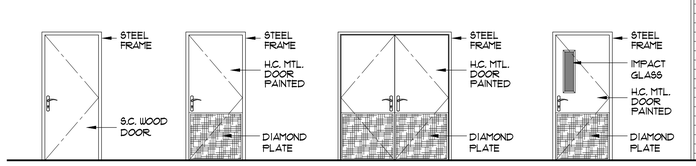
HARDWARE ABBREVIATIONS:

IVE -	IVES	LCN -	LCN
VON -	VON DUPRIN	ZER-	ZERO INTERNATIONAL
SCH -	SCHLAGE	STE-	STEELCRAFT
BES-	BEST	UNK-	UNKNOWN, BY GC
LDW -	LESS DOOR WIDTH		



WINDOW TYPES

SCALE: ¼"=1'-0"



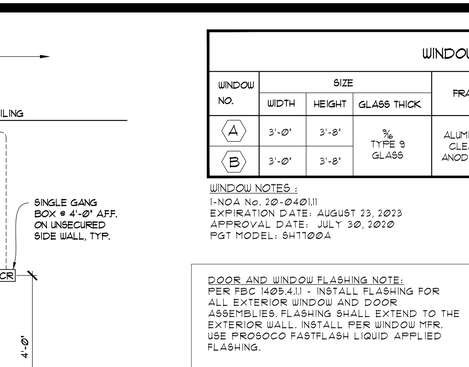
O.H. DOOR COMPANY (1)
SERIES 625
NOA 20-1130.05
EXPIRATION: OCTOBER 14, 2024
APPROVAL: JANUARY 28, 2021

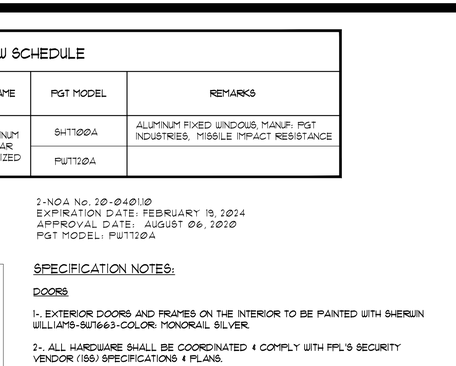
DOOR TYPES

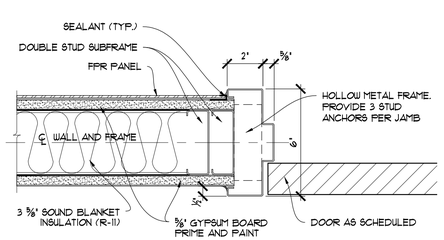
SCALE: ¼"=1'-0"

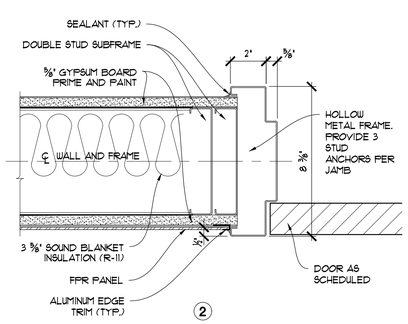
TYP. DOOR CLEARANCE

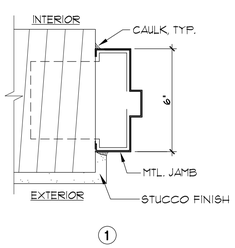
SCALE: N.T.S.











JAMB DETAILS

SCALE: 3"=1'-0"

REVISION	
MARK	DATE

NEW FLEET GARAGE BUILDING
ST LUCIE NUCLEAR FLEET GARAGE
FPL 6501 SOUTH OCEAN DRIVE, JENSEN BEACH, FL

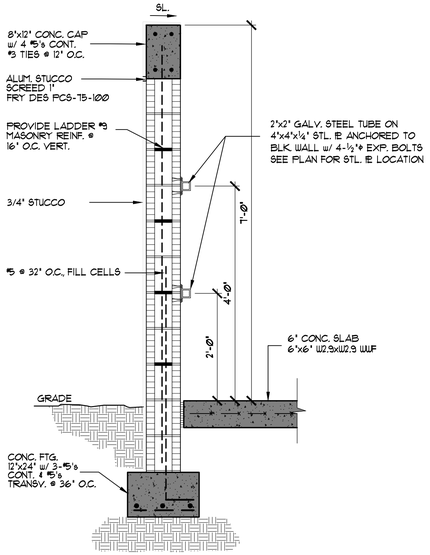
STATE OF FLORIDA ROBERT JOHN EVELYN REGISTERED ARCHITECT AR95856

EVELYN + ROUX architects
Theodore Roux AIA
Robert John Evelyn
4854 S.W. 72nd Avenue
Miami, Florida 33155
phone (305)443-8116

DATE: 11/4/22

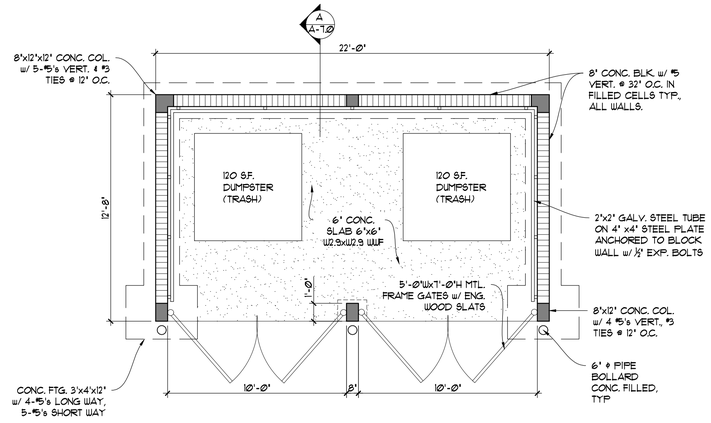
JOB NO: 2265

A-6.0



SECTION A/A-7.Ø

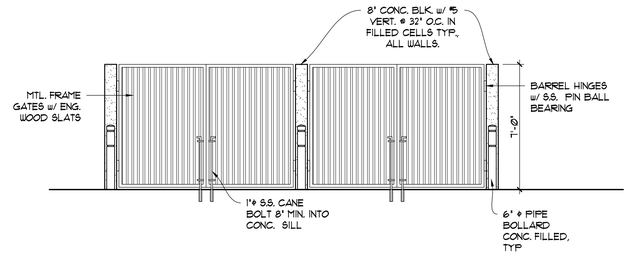
SCALE: ¾" = 1'-Ø"



DUMPSTER ENCLOSURE PLAN

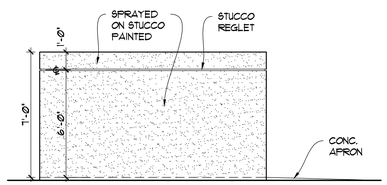
SCALE: ¼" = 1'-Ø"

NORTH



FRONT ELEVATION

SCALE: ¼" = 1'-Ø"



SIDE ELEVATION

SCALE: ¼" = 1'-Ø"

REVISION	
MARK	DATE

NEW FLEET GARAGE BUILDING
ST LUCIE NUCLEAR FLEET GARAGE
FPL 6501 SOUTH OCEAN DRIVE, JENSEN BEACH, FL

STATE OF FLORIDA ROBERT JOHN EVELYN REGISTERED ARCHITECT AR95856

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Robert John Evelyn
4854 S.W. 72nd Avenue
Miami, Florida 33155
phone (305)443-8116

DATE: 11/4/22

JOB NO: 2265

A-7.0

Attachment B – Project Location

FLORIDA POWER & LIGHT COMPANY ST. LUCIE POWER PLANT PA 74-02A2 REQUEST FOR POST CERTIFICATION AMENDMENT – FLEET GARAGE FACILITY
ATTACHMENT B: PROJECT LOCATION

Attachment C – Drainage Statement
SEE FILE:
ATTACHMENT-C-DRAINAGE-STATEMENT.pdf

CULPEPPER & TERPENING INC

CONSULTING ENGINEERS | LAND SURVEYORS

November 30, 2022

Project Number: 00-000
File: Client
Sender's Email:

VIA: Email Jeffrey.Wade@fpl.com

Attn: Mr. Jeffrey Wade
Florida Power & Light
700 Universe Blvd, MS:B2A/JB
Juno Beach, FL 33408

RE: C&T #22-087 FPL Saint Lucie County Plant – Proposed Maintenance Garage – Drainage Narrative

Dear Mr. Wade:

The proposed project includes a new 4,800 SF maintenance garage building with concrete approach aprons and asphalt pavement for connection to the existing paved driveways. Currently, there are multiple ponds on the Plant property that accommodate stormwater management.

The proposed additional impervious area totals approximately 0.28 acres.

The assumed drainage basin is bounded by Ocean Drive (A1A) to the east, and the plant water intake channels to the north, south and west and has an area of 67.2 acres. The assumed drainage area as well as the existing impervious / pervious area delineations are depicted on the attached exhibit titled "Area Map".

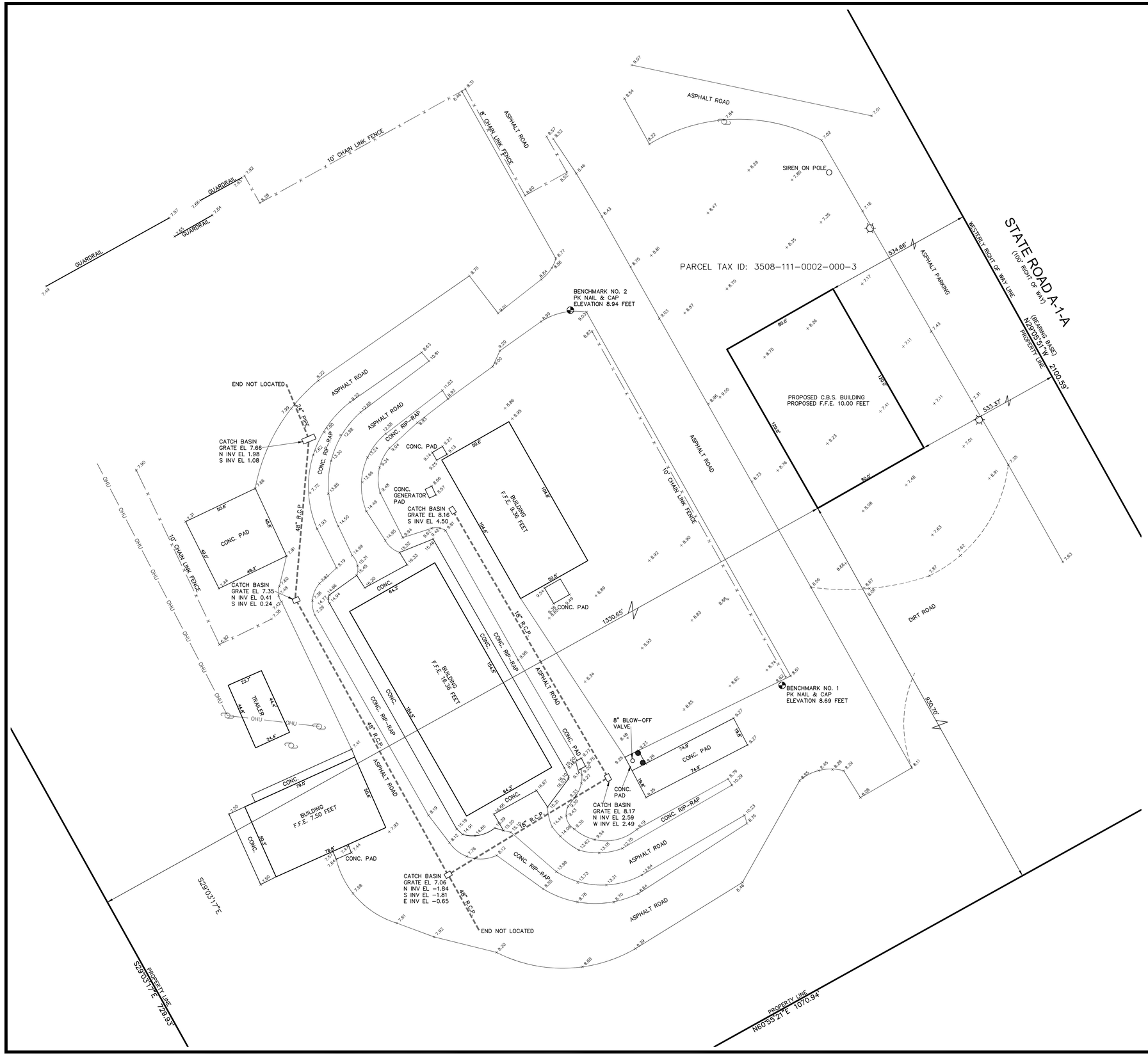
The total additional impervious area of 0.28 acres represents a 0.42% increase within the drainage basin. The additional impervious area is negatable as it relates to the overall drainage basin. It is our opinion that the existing stormwater management facilities can accommodate the proposed project.

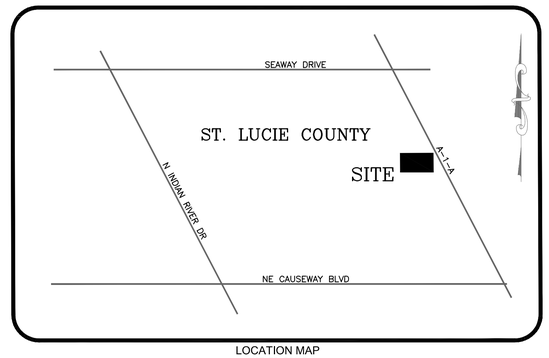
Sincerely,

Thomas DeGrace, PE
CULPEPPER & TERPENING, INC.

cc:
Enclosures: Area Map.

Attachment D – Topographic Survey Sheet
SEE FILE:
ATTACHMENT-D-St Lucie-Fleet Garage-SURVEY SET.pdf





LOCATION MAP
(NOT TO SCALE)

LEGEND

O.R.B. – OFFICIAL RECORDS BOOK
F.F.E. – FINISH FLOOR ELEVATION
U.E.– UTILITY EASEMENT
D.E.– DRAINAGE EASEMENT
℄ – CENTERLINE
(P)– PLAT
(M)– MEASURED
(D)– DEED
(C)– CALCULATED
P.B. – PLAT BOOK
L.B. – LICENSED BUSINESS
C.B.S.– CONCRETE BLOCK & STUCCO
CONC.– CONCRETE
RCP– REINFORCED CONCRETE PIPE
OHU– OVERHEAD UTILITY LINE
C.M.P.– CORRUGATED METAL PIPE
– WOOD POWER POLE
– LIGHT POLE
– BOLLARD

GRAPHIC SCALE
0 30 60
(IN FEET)
1 inch = 30' ft.

SURVEYOR'S NOTES

1. THIS SURVEY MAP OR THE COPIES THEREOF, UNLESS ELECTRONICALLY SIGNED AND ELECTRONICALLY SEALED, ARE NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

2. ALL MEASUREMENTS ARE BASED ON THE UNITED STATES SURVEY FOOT (SHOWN IN FEET AND DECIMAL FORMAT) UNLESS OTHERWISE SPECIFIED.

3. THE HORIZONTAL LOCATION OF NON–DIMENSIONED FEATURES ARE PLOTTED TO SCALE, UNLESS NOTED OTHERWISE.

4. AN ASSESSMENT OF ENVIRONMENTAL CONCERNS, IF EXISTENT, WAS NOT PERFORMED AS A PART OF THIS SURVEY.

5. SYMBOLS SHOWN WITHIN THIS DRAWING ARE NOT SCALE DEPENDENT.

6. ATTENTION IS DIRECTED TO THE FACT THAT THIS DRAWING MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

7. THE LAST DATE OF FIELD WORK WAS MAY 17, 2022.

8. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES ARE PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.

9. LANDS SHOWN HEREON WERE NOT ABSTRACTED BY CIVILSURV DESIGN GROUP, INC., FOR RIGHTS–OF–WAY, EASEMENTS, OWNERSHIP, OR OTHER INSTRUMENTS OF RECORD.

10. ELEVATIONS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

11. THE WESTERLY RIGHT OF WAY LINE OF STATE ROAD A–1–A IS ASSUMED TO BEAR NORTH 29°05'51" WEST AND ALL OTHER BEARING SHOWN HEREON ARE RELATIVE THERETO.

12. BOUNDARY INFORMATION TAKEN FROM SPECIFIC PURPOSE SURVEY PREPARED BY KEITH & SCHNARS, PA, FILE NUMBER 17677.05, DATED NOVEMBER 21, 2007.

13. BY GRAPHIC PLOTTING ONLY, SAID DESCRIBED PROPERTY IS LOCATED WITHIN AN AREA HAVING A FLOOD ZONE DESIGNATION OF "X", ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) ON FLOOD INSURANCE RATE MAP (FIRM) PANEL NUMBER 12111C0301K, HAVING AN EFFECTIVE DATE OF FEBRUARY 19, 2020. THIS INFORMATION SHOULD BE CONFIRMED WITH THE APPROPRIATE AGENCY PRIOR TO CONSTRUCTION.

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE TOPOGRAPHIC SURVEY, AS SHOWN HEREON, IS A TRUE AND CORRECT REPRESENTATION OF A FIELD SURVEY MADE UNDER MY DIRECTION AND CHARGE AND SAID SURVEY IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF. I FURTHER CERTIFY THAT SAID SURVEY COMPLIES WITH THE APPLICABLE STANDARDS OF PRACTICE FOR SURVEYS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J–17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

CIVILSURV DESIGN GROUP, INC.

BRIAN C KIERNAN
Digitally signed by BRIAN C KIERNAN
Date: 2022.10.19 10:02:31 -04'00'

BY: BRIAN C. KIERNAN — DATE OF SIGNATURE
PROFESSIONAL SURVEYOR & MAPPER
FLORIDA REGISTRATION NO. 6101

REVISIONS

10/19/22, SITE ADDRESS
10/17/22, ADDITIONAL TOPO, PROPOSED BUILDING
07/14/22, PROPOSED BUILDING
07/12/22, ADDITIONAL TOPO INFORMATION

CIVILSURV
CIVILSURV DESIGN GROUP, INC.
444 4th Lane SW, Vero Beach, FL 32962 Tel: 772-323-2244

DATE: 05/25/22
SCALE: 1"=30'
PROJECT NO:
ST LUCIE POWER PLANT TOPO.DWG
LB NUMBER: 7805

FIELD BOOK(s): 863
DRAWN BY: BK
CHECKED BY: SW

TOPOGRAPHIC SURVEY, ST. LUCIE NUCLEAR POWER PLANT
FLORIDA POWER & LIGHT COMPANY
6501 S. OCEAN DRIVE, ST. LUCIE COUNTY, FLORIDA

SHEET NO.
1
OF
1