



Meeting Agenda
Thursday, August 7, 2025

7:00 PM

REGULAR MEETING

Cocoa Beach City Hall
2 S Orlando Avenue
Cocoa Beach, FL 32931

WELCOME

Meeting re-broadcasts on: Spectrum - Channel 499 and www.cityofcocoabeach.com.
Meeting Video Archives: www.cityofcocoabeach.com

Packets: Packets are on the City's website (www.cityofcocoabeach.com) and at Commission meetings

Rules of Order: Robert's Rules of Order and the Florida Sunshine Law govern the conduct of our meeting

Speaking Courtesy Rules:

- The Commission accepts relevant comments.
- A time limit of three minutes is imposed on each speaker. If speaking for a group, the Commission may grant an additional three minutes
- Please direct comments and questions through the Mayor
- Complete speaker cards are required for each of the items you wish to address. Submit the card to the City Clerk prior to the introduction of the item. Speaker Cards are available in the rear of the Commission Room and in the City Clerk's office prior to the meeting. The purpose of the card is to obtain the spelling of your name, contact information if follow-up is needed, and provide for efficient meeting administration
- Upon being recognized by the Mayor, please approach the dais, state your name and address, and speak into the microphone

Approval Of Order Of Business:

Note: Members of the public, Commission and Staff may remove items from the Consent Agendas, if they wish to discuss them. Requests for removal need to be made known to the City Commission under the Approval of the Order of Business, at the beginning of the meeting

Appealing a Decision:

Any person desiring to appeal any decision made by the City Commission, with respect to any matter considered at such meeting or hearing, will need a record of the proceedings and for such purposes must ensure that a verbatim record and transcript of the proceeding is made in a form acceptable for official court proceedings, which record includes the testimony and evidence upon which the appeal is to be based. It shall be the responsibility of the person desiring to appeal any decision to prepare a verbatim record and transcript at his/her own expense as the City does not provide one

American with Disabilities Act:

ATTN: PERSONS WITH DISABILITIES. In accordance with the Americans with Disabilities Act and Section 286.26, Florida Statutes, persons needing special accommodations to participate in this proceeding shall, at least forty-eight (48) hours prior to the meeting, contact the Office of the City Clerk at (321) 868-3286; Florida Relay Service (800) 955-8771 (TDD); or (800) 955-8770 (Voice) or 711.

THANK YOU for participating in your Cocoa Beach City Government.

A. MEETING CALLED TO ORDER

1. Pledge of Allegiance
2. Invocation by Deacon Joe Pecko, Our Saviour Catholic Church
3. Roll Call

B. APPROVAL OF THE AGENDA

(Note: Members of the public, Commission and Staff may remove items from the Consent Agendas if they wish to discuss them. Requests for removal need to be made known to the City Commission under the Approval of the Order of Business, at the beginning of the meeting.)

C. SPECIAL PRESENTATIONS

1. Proclamation - Florida Water Professionals Month
Staff Representative: Brad Kalsow, Water Reclamation and Public Works Director
2. Recognition of Voluntary Service to the Police Department
Staff Representative: Wes Mullins, Police Chief

D. PUBLIC COMMENTS

Comments will be heard on items that do not appear on the agenda of this meeting. Citizens will limit their comments to three (3) minutes. Per Commission Procedures, the City Commission will not take any action or discuss items brought up under the "Public Comment" section of the agenda. The City Commission may schedule such items as regular agenda items and act upon them in the future.

E. STAFF REPORTS AND ANNOUNCEMENTS

F. CITY ATTORNEY REPORTS AND ANNOUNCEMENTS

G. CITY COMMISSION REPORTS AND ANNOUNCEMENTS

H. COMMUNITY REDEVELOPMENT AGENCY (CRA)

City Commission will temporarily recess, and then convene as the Cocoa Beach Downtown Community Redevelopment Agency for the following item(s):

1. Approve revised Commercial Visual Improvement Program Grant
Staff Representative: Devan Taly, Deputy Finance Director/CRA
Recommendation: Approve

I. CONSENT AGENDA

1. Approve the July 17th Commission Meeting Minutes
Staff Representative: City Clerk Department
Recommendation: Approve
2. Approve piggyback contract agreement for street sweeping services provided by United Sweeping, LLC. The street sweeping services are required by the City's National Pollutant Discharge Elimination System (NPDES) Permit. This is a budgeted item.
Staff Representative: Morgan Zuhlke, Stormwater Utility Manager
Recommendation: Approve
3. Approve the Brevard County Save Our Indian River Lagoon (SOIRL) grant in the amount of \$5,726.
Staff Representative: Morgan Zuhlke, Stormwater Utility Manager
Recommendation: Approve
4. Approve agreement for continuing engineering and surveying services with Allen Engineering (Added 08-04-2025)
Staff Representative: Brad Kalsow, Public Works and Water Reclamation Director
Recommendation: Approve

J. ITEMS REMOVED FROM THE CONSENT AGENDA

K. UNFINISHED BUSINESS

1. Adopt Ordinance 1699 on second reading, An Ordinance of the City of Cocoa Beach, Florida, adding a new Section 26-14, ;Parking on City-owned or Leased Property ;, of Article I,; In general ;, of Chapter 26, ;traffic ;, of the code of ordinances of the City of Cocoa Beach; providing provisions for parking on city owned or leased property; and providing for CONFLICTS, codification, SEVERABILITY, AND AN EFFECTIVE DATE. - First reading was on July 17, 2025.
Staff Representative: David Dickey, Development Services Director.
Recommendation: Approve

2. Request the Commission's action on the following items related to the ongoing City Manager search process:
 1. **Designate a Point of Contact** for Colin Baenziger & Associates to facilitate coordination throughout the City Manager recruitment and interview process.
 2. **Approve the following dates** for the next steps in the interview process: (City Attorney process of determining candidates to be interviewed)
 - **August 19, 2025, at 6:00 p.m. – *Special Meeting*** for the Commission to select the finalists for interview. **The *Budget Workshop* will immediately follow this meeting.**
 - **August 28–29, 2025** – The City and Commission will host final interview activities and events with the selected finalists.

Representative: Colin Baengizer & Associates

Recommendation: Designate a Commission point of contact and confirm the dates outlined above.

L. NEW BUSINESS

1. Adopt Resolution 2025-20, A Resolution of the City Commission of the City of Cocoa Beach, Florida, Designating an Emergency Contact and an Alternate Emergency Contact under section 252.38(3)(a), Florida Statutes: providing for notification of the same; and providing for an effective date.
Emergency Contact: Fire Chief Justin Grimes
Alternate Emergency Contact: Police Chief Wes Mullins

Staff Representative: Becky Vose, City Attorney, AJ Hutson, Interim City Manager
Recommendation: Adopt
2. Accept the Engineers Recommendation of Award for the bid submitted by Southern Underground Industries, Inc. in the amount of \$2,782,833 for bid #CB25-001, Lift Station 3, 6 & 15 Rehabilitation Project. Allow staff to enter into contract with Southern Underground Industries, Inc. This is a budgeted Capital Project.
Staff Representative: Brad Kalsow, Water Reclamation and Public Works Director
Recommendation: Approve

3. Adopt Ordinance 1700, An Ordinance of the City of Cocoa Beach, Florida, adding a new Section 22-2.5, "Regulation of Electric Bicycles and similar devices on specified rights of way", of Article I, "In General" of Chapter 22, "Streets and Sidewalks" of the code of ordinances of the City of Cocoa Beach; providing Regulations for the use of electric bicycles and similar devices on specified rights of way; and providing for CONFLICTS, codification, SEVERABILITY, AND AN EFFECTIVE DATE.

Adding a new section 22-2.5, "Regulation of Electric Bicycles and Similar devices on Specified Rights of Way"

Staff Representative: Wes Mullins, Police Chief

Recommendation: Approve

M. GENERAL PUBLIC COMMENT

(Only if not accommodated in the 30-minute Public Comment period earlier)

N. ADJOURNMENT

**City of Cocoa Beach City Commission
Agenda Item Summary**

**DEPARTMENT MAKING
REQUEST/NAME:**

City Manager /
Carrie Lombardo, Executive Assistant

MEETING DATE

August 7, 2025

REQUESTED MOTION/ACTION

Proclamation - Florida Water Professionals Month

Staff Representative: Brad Kalsow, Water Reclamation and Public Works Director

IS THIS ITEM BUDGETED (IF APPLICABLE)?

n/a

BACKGROUND:

Proclamation requested for Florida Water Professionals Month - Brad Kalsow accepting

Proclamation



WHEREAS, The Florida Water & Pollution Control Operators Association, organized in 1940, is a non-profit trade organization that promotes the sustainability of Florida's water utility industry through workforce development, to protect the health of Florida's citizens and to preserve the state's water resources; and

WHEREAS, this organization offers water and wastewater treatment plant operator and water distribution systems operator training courses required for the state of Florida's operator licenses, multiple voluntary certification programs, and continuing education programs for operator license renewal; and

WHEREAS, this organization, in recognizing the importance of the Florida Statutes and Administrative Code that regulate the water industry, acts as liaison between the Florida Department of Environmental Protection and industry personnel; and

WHEREAS, the Florida Water & Pollution Control Operators Association recognizes all who have played a significant part in operating and maintaining drinking water, wastewater, and stormwater systems in Florida by celebrating Florida Water Professionals Month, which applauds their constant efforts to protect our health and environment;

WHEREAS, water professionals are essential first responders, as defined by Florida Statute 403.865 (b) during storms and other catastrophic events, working to ensure safe drinking water and safe disposal of wastewater for our communities.

NOW, THEREFORE, I, Keith Capizzi, Mayor, by the authority vested in me as the Mayor of the City of Cocoa Beach, do hereby proclaim

August 2025

As

Florida Water Professionals Month"

IN WITNESS WHEREOF, I have hereunder set my
hand this 7th day of August 2025.

Keith Capizzi
Mayor

Karin Grooms
City Clerk

City of Cocoa Beach City Commission Agenda Item Summary

**DEPARTMENT MAKING
REQUEST/NAME:**

Police /
Wes Mullins, Chief of Police

MEETING DATE

August 7, 2025

REQUESTED MOTION/ACTION

Recognition of Voluntary Service to the Police Department
Staff Representative: Wes Mullins, Police Chief

IS THIS ITEM BUDGETED (IF APPLICABLE)?

N/A

BACKGROUND:

Chief Mullins will recognize 17 years of voluntary service to the community by John and Sharon Haralson



Community Redevelopment Agency (CRA) Commercial Visual Improvement Program Overview

COMMERCIAL VISUAL IMPROVEMENT PROGRAM (CVIP):

The City of Cocoa Beach established its Community Redevelopment Area (CRA) in 2009 to promote the revitalization and redevelopment of properties located within the CRA district in order to improve the economic and social conditions of the City of Cocoa Beach. In an effort to increase awareness, economic productivity, and aesthetics within Cocoa Beach, the City launched a grant program to assist property owners with making improvements to their commercial properties. The funds are dedicated to making improvements to commercial properties located in the CRA district.

PROGRAM DETAILS

- Designed to help reduce urban blight.
- Helps bring properties up to City code standards.
- Provides financial assistance for exterior improvements ONLY. (For example interior improvements are not eligible).
- Property improvements already completed or already begun are not eligible for reimbursement. Materials for the improvements already purchased are also not subject to reimbursement. Please wait until a grant is formally approved by the CRA Board before expending funds for which you wish reimbursement.
- Reimbursement of up to 50 percent of costs — up to a maximum CRA contribution of \$25,000 of a project's renovation/upgrade/construction costs.
- All applications provided to the CRA Administrator must be approved by the CRA Board for approval. Only completed applications, including all supporting documentation, will be accepted and presented to the CRA Board.
- Owner must pay for soft costs, (including architect, engineer, permitting, etc.) These costs are not reimbursable.
- CRA funding is available annually by fiscal year budget cycle. The city will begin accepting applications for this program on October 1st of each year. Applications for funding may be made only from October 1st to January 1st of each fiscal year. After January 1st, further applications for that fiscal year will no longer be accepted due to budget constraints and timing of project scope.
- Funds will be allocated at the sole reasonable discretion of the CRA Board. Only one grant award per property (based on Tax ID number) shall be allowed in any one fiscal year. Factors which shall be considered in the award of grants shall include, but not be limited to:
 - I) the order of requests (get your request in early);
 - II) availability of funds;
 - III) the impact of the improvement on the overall look of the CRA area; and
 - IV) whether grants have been previously awarded for that property in previous fiscal

years with the intent being to spread grants throughout the CRA properties and not to award additional grants for properties that have already received CRA grants to the detriment of grant applications submitted to benefit properties that have not already received CRA grants in previous fiscal years.

TIME FRAME:

- Application process takes approximately 30 calendar days once all necessary documents and materials are received from the applicant. Then the application will be presented to the CRA Board for final approval.
- Reimbursement of funds takes approximately 30 calendar days once copies of all paid invoices, cancelled checks and photos of completed project, (“funding paperwork”) are received. (The CRA reserves the right to pay applicant in one lump sum or installments.)
- Project must be completed and all funding paperwork presented and reimbursement requested and disbursed by September 1 of the same fiscal year as when approved.
- Final grant amounts will be determined within 30 days after the project is deemed complete by CRA staff.

REQUIREMENTS:

- To be eligible, the property must be located within the Community Redevelopment Area. It also must be zoned TC-Town center or CR-Cottage Row.
- The property must be commercial (non-residential) or mixed-use. Property with multiple retail tenants and/or vacant store fronts are considered on a case-by-case basis.
- The improvements must be visible from a street, or public right-of-way.
- The property, property owner and applicant must be free of all judgement liens and all mortgage and property tax obligations must be current.
- No residential uses are eligible for this program.
- Work must result in a combination of exterior visual improvements. Examples: façade upgrades; parking facilities; matching signage; painting; lighting; new or repaired/replaced windows, doors, and awnings; window tinting; improved entryways; extensive cleaning; exterior security systems; landscaping improvements, stormwater improvements, and any external improvements required to bring a building/property up to code.
- All improvements must comply with city codes and ordinances and be consistent with any development plans adopted by the CRA.
- Professional consulting services provided by General Contractors, Engineers, Architects, and Design Consultants must be licensed in the State of Florida, as applicable, but their fees are not reimbursable.
- Demolition of obsolete structures or signage improvements may be considered for funding when undertaken as part of an overall renovation project.
- Work such as HVAC installation/replacement and roof repairs do not qualify unless they are done in conjunction with substantial exterior visual improvements.
- Funds may not be used for working capital, purchasing property, equipment or inventory acquisition, and/or refinancing of existing debt or private funding.

INELIGIBLE PROPERTIES:

- Single-family residential properties.
- Multifamily residential properties that are not part of a mixed-use development.
- Properties or projects not meeting eligibility requirements.
- Businesses not in compliance with current zoning ordinances of the City of Cocoa Beach.

APPLICANT/PROPERTY OWNER REQUIREMENTS:

- No corporate or personal bankruptcy proceedings within the past five years.
- No past-due federal, state, county, or City of Cocoa Beach tax bills.
- No past-due bills, liens, or debts to the City of Cocoa Beach or the CRA.
- No currently active code enforcement cases against the property.
- Show proof of a current City of Cocoa Beach Business Tax Receipt for both the property owner and tenant, as applicable.
- Supply copy of property owner's deed.
- If landlord, provide current tenant list and/or leasing plan.
- If a tenant, supply a lease with at least five years occupancy remaining.
- If a tenant, provide signed and notarized copy of CVIP Real Property Owner Consent form.
- Make brief presentation at a CRA Board meeting. It is preferable that the owner attends, but a knowledgeable owner's representative may also make the presentation, as well as accompany an owner.
- Receive CRA Board approval before beginning work. Costs for any work started prior to this approval will not be eligible for reimbursement.
- Applicant must apply for and be issued a city building permit before commencing renovations or new construction, if applicable.
- Prior to receiving matching contribution, submit all paid invoices, cancelled checks and photos of completed project. The CRA reserves the right to refuse payment for any change orders not authorized by the CRA Board prior to construction commencement or for any work not specifically approved by the CRA Board.
- Maintain and sustain improvements.

APPLICATION CHECKLIST:

All information included in this checklist must be submitted to the CRA staff before they can begin the process:

- All documents signed by owner or tenant applicant. Corporate entity must show person has the authority to sign for the corporation.
- List of proposed improvements with estimated project costs.
- Notarized & signed CVIP Real Property Owner Consent form. (Landlord completes if property is not owned by the applicant).
- Copy of current City of Cocoa Beach Business Tax Receipt for property owner and tenant, as applicable.
- Copy of property owner's deed.
- If a tenant, lease with at least five years occupancy remaining.

- Landlord's current tenant list or leasing plan, if applicable.
- Completed W-9 form.
- All applicable contractor bids.
- High-quality "before" images of property from all sides/angles.
- High-quality images of renderings of proposed project.
- Three written contractor bids for all work being done or justification for why only one or two bids submitted.

**Commercial Visual Improvement Program Application
City of Cocoa Beach Community Redevelopment Agency**

APPLICANT INFORMATION

Applicant's Name: _____

Applicant's Corporate Name: _____

Applicant's Business Address: _____

Name of Business at Project Address: _____

City of Cocoa Beach Business Tax Receipt #: _____

Federal Tax ID Number or Social Security #: _____

Applicant Phone #: _____ Business Phone #: _____

Applicant Email Address: _____

Is Applicant the property owner or a tenant proposing the façade improvements?

___ Owner or ___ Tenant

PROPERTY INFORMATION

Property Owner's Name: _____

Property Owner's Mailing Address: _____

Property Address: _____

Alt Number(s): _____

Name of Tenant(s): _____

Lease Expiration Date: _____ Option to Extend: ___ Yes ___ No How Long: ___ Years

Property Manager: _____ Phone: _____ Email _____

1. Is the proposed project located in the current CRA? ___ Yes ___ No

Total Applicant Funds: _____ Total Anticipated Grant Request: _____

1. Please provide a description of the Proposed Improvements. **Please Attach a site plan, renderings, and/or elevations of the proposed improvements. (APPLICATIONS WILL NOT BE ACCEPTED WITHOUT RENDERINGS, SITE PLANS, AND/OR ELEVATIONS)**

2. Please describe the extent to which the existing building or on-site improvements are substantially dilapidated.

3. Please describe how you propose to maximize the leveraging of Redevelopment Agency funds through the funds you intend to contribute and how there are no other reasonable means of financing available to fully fund the desired improvements.

4. Please describe how you intend to maintain the improvements during the useful life of the improvements.

5. Current Number of Employees: Full-Time_____ Part-Time_____ Contract_____
- Number of Employees (Post Project Completion) Full-Time_____ Part-Time_____
- Contract_____

TOTAL PROJECT BUDGET (Estimated)

Use of Funds (Activity)	Source of Funds	Estimated Cost
		\$
		\$
		\$
		\$
		\$
		\$
		\$
Total Project Budget		\$

The Applicant acknowledges that the Visual Improvement Program (CVIP) will not pay for work or materials , which have been commenced or purchased prior to the award of a CVIP grant as evidenced by an executed CVIP Agreement. Any work started, or materials purchased, prior to the approval of the grant and the execution of the Agreement shall be the Applicant's responsibility and no funding will be granted towards that work or materials. Furthermore, the Applicant acknowledges that the CRA Board must approve the application and a corresponding CVIP Agreement prior to the award of any CVIP grant. The applicant also acknowledges that it must expend its matching contribution prior to any reimbursement of Agency CVIP Grant Funds.

Signature of Applicant

Date

STATE OF FLORIDA

COUNTY OF _____

The foregoing instrument was acknowledged before me via physical presence ___ or online notarization __, this ____ day of _____, 20____, by _____ (name of person acknowledging).

Personally Known _____ OR Produced Identification _____

Type of Identification Produced

LIST OF ATTACHMENTS FOR FINAL APPLICATION/CVIP AGREEMENT

LIST OF ATTACHMENTS

Attachment "1"	Legal Description of the Property
Attachment "2"	Proof of Ownership or Leasehold Interest
Attachment "3"	Form of Façade Easement Deed & Building Façade Maintenance Agreement
Attachment "4"	Scope of work and tentative schedule of improvements
Attachment "5"	CVIP Real Property Owner Consent

ATTACHMENT "5"

CVIP Real Property Owner Consent

STATE OF FLORIDA
COUNTY OF BREVARD

I, _____, owner and/or authorized representative of _____, also commonly known as _____, hereby consent to the proposed exterior improvements on the above-listed property and consent to the participation in the Visual Improvement Program, which are to be undertaken by _____, the tenant and/or business owner.

I also hereby agree to and understand that in conjunction with participation in the Visual Improvement Program, the City of Cocoa Beach will record a non-exclusive façade easement and building maintenance agreement to the above-listed property, at the completion of the pre-qualified improvements. The documents will be recorded in the County Clerk of Courts Office of Brevard County, Florida Records for a period of 5 years. The property owners and/or business owners will have the option to repurchase the façade easement and building maintenance agreement from the Agency during the five-year period.

DATE this _____ day of _____. Authorized Signature: _____

The foregoing instrument was acknowledged before me via physical presence ___ or online notarization __, this _____ day of _____, 20____, by _____ (name of person acknowledging).

Personally Known _____ OR Produced Identification _____
Type of Identification Produced _____

NOTARY SEAL:

Notary Public, State of Florida

My commission expires: _____

CITY OF COCOA BEACH
CITY COMMISSION
MINUTES
July 17, 2025

A. MEETING CALLED TO ORDER

1. Pledge of Allegiance
2. Invocation by Pastor Keith Capizzi, Club Zion Church
3. Roll Call

Commission Members Present:

Mayor Keith Capizzi
Vice-Mayor Skip Williams
Commissioner Joshua Jackson
Commissioner Tim Tumulty
Commissioner Jeremy Hutcherson

Administrative Members Present:

City Attorney, Becky Vose
City Manager, A.J. Hutson
City Clerk, Karin Grooms
Assistant City Clerk – Michael Bryan
Fire Chief, Justin Grimes
Fire Marshal, Sal Liberto
Development Services Director, Dave Dickey
Deputy Finance Director, Devan Taly
Finance Director, Hana Juman
Human Resources, Cindy DePina
Information Technology, Tristian Takacs
Deputy Police Chief, Kris Kuehn
Stormwater Manager, Morgan Zuhlke
Water Rec/ Public Works Director Brad Kalsow
Leisure Services Director, Ande Segarra

B. APPROVAL OF THE AGENDA

(Note: Members of the public, Commission and Staff may remove items from the Consent Agendas if they wish to discuss them. Requests for removal need to be made known to the City Commission under the Approval of the Order of Business, at the beginning of the meeting.)

C. PUBLIC COMMENTS

Comments will be heard on items that do not appear on the agenda of this meeting. Citizens will limit their comments to three (3) minutes. Per Commission Procedures, the City Commission will not take any action or discuss items brought up under the “Public Comment” section of the agenda. The City Commission may schedule such items as regular agenda items and act upon them in the future.

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D. STAFF REPORTS AND ANNOUNCEMENTS

City Manager, A.J. Hutson, shared a report regarding the centennial celebration and air show, the budget, and the updating of fees. He also mentioned that city staff participated in CPR, AED and stop the bleeding training.

E. CITY ATTORNEY REPORTS AND ANNOUNCEMENTS

F. CITY COMMISSION REPORTS AND ANNOUNCEMENTS

Mr. Skip Williams, Vice Mayor, shared his appreciation of support with the Centennial Celebration. Mayor Keith Capizzi Also gave his thanks to everyone involved with the Centennial Celebration's success and the air show weekend and how amazing it all was.

G. COMMUNITY REDEVELOPMENT AGENCY (CRA)

City Commission will temporarily recess, and then convene as the Cocoa Beach Downtown Community Redevelopment Agency for the following item(s):

1. Request to approve revised Visual Improvement Program Grant application for the City of Cocoa Beach Community Redevelopment Agency (CRA)
Staff Representative: Devan Taly, Deputy Finance Director/CRA
Recommendation: Approve

MOTION BY HUTCHERSON/JACKSON

I MOVE TO APPROVE THE REVISED VISUAL IMPROVEMENT PROGRAM
VOICE VOTE ON THE MOTION CARRIED UNANIMOUSLY

Ms. Devan Taly, Deputy Finance Director, was asked to highlight the changes in the threshold allowance that went from \$50,000 to \$25,000. On October 1st the city will begin accepting new applications and added that grants will only be awarded to 1 structure. She stated that more businesses have reached out, now that they are learning about the CRA grants. Mr. Jeremy Hutcherson, Commissioner, inquired if we could over-commit money or if it capped out. Ms. Taly stated her reasoning behind the change of the allowance and new time frame. stated that if approved today it will go into effect today. Vice Mayor Williams shared a scenario of current items on the agenda being affected and asked the City Attorney if the application hearings were allowed.

Ms. Becky Vose, City Attorney, stated that the intent is for applications going forward not the items now. Ms. Taly stated the items on the agenda are the only current ones. Vice Mayor Williams wants to make an amendment for the new process to go into effect 7-18-2025. Mr. Tim Tumulty, Commissioner, seconded for discussion. Mayor Keith Capizzi inquired about Juice and Java. Ms. Taly stated that it was same building, but 2 different units, that are separately owned. Mayor Capizzi shared his concerns about giving a project more money on a regular basis. Mr. Jeremy Hutcherson, Commissioner, shared his sentiments agreeing with the mayor. There was further discussion about the change and process of the Grant Applicants. Ms. Taly explained the process of grant applications and how they're awarded. Commissioner Tumulty inquired about moving the approval and amending it to tomorrow. Ms. Taly stated that

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items tonight would be accepted under the previous rules. Commissioner Tumulty inquired about a specific time frame. Vice Mayor Williams inquired about the change of ownership and how they could circumvent the rules. They discussed voting as is and bringing the item back at a later meeting.

Mr. Mark Grainger applauded the fairness of discussing the item and for allowing the application. He shared his concerns about tenants possibly applying for grants. Ms. Vose stated that applications have to be signed by the owner and tenant.

2. Request to approve a second Commercial Visual Improvement Program Grant in the amount of \$35,000 for Dirty Birds Tiki Bar & Grill, LLC; located at 142 Minutemen Causeway, Cocoa Beach, FL, 32931
Staff Representative: Devan Taly, Deputy Finance Director/CRA
Recommendation: Approve

MOTION BY TUMULTY/JACKSON

I MOVE TO APPROVE A SECOND COMMERCIAL VISUAL IMPROVEMENT PROGRAM GRANT IN THE AMOUNT OF \$35,000

VOICE VOTE ON THE MOTION PASSED 3-2 Commissioner Hutcherson/Mayor Capizzi
Nay

Mr. Grainger stated that he is still using his first grant funds appropriately and is concerned about not receiving a second grant. Mayor Capizzi clarified that although the grant approval cutoff was July 1st, two requests moved forward at this meeting due to the previous meeting's cancellation. Ms. Taly stated that the applicants submitted their grant applications in late June, with a July 1st cutoff date and that applications are now closed until October 1st and explained how budget updates would affect the next fiscal year, noting unspent FY25 funds would roll into FY26. The CRA grants budget was reported at \$330,000, including carryover from 2024, with specific amounts noted for several organizations. Mayor Capizzi expressed concerns about issuing more grants before current projects finish to maintain fairness. Commissioner Tumulty noted CRA funding has grown significantly, clarified that CRA money cannot be used for city expenses, and that future CRA funds will be substantial. The mayor discussed improving Brevard Avenue's appearance and safety using CRA funds, with Vice Mayor Williams suggesting city staff explore ideas. The city manager was asked to coordinate with Mr. Grainger on the wiring and conduit plans, and Mr. Brad Kalsow, Public Works/Water Rec Director, requested a walk-through with Commissioner Tumulty and Ms. Kenne Wells, Executive Director of Cocoa Beach Main Street

CITY OF COCOA BEACH
CITY COMMISSION
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3. Request to approve a Commercial Visual Improvement Program Grant in the amount of \$40,000 to Epic Boardsports, LLC located at 358 N Orlando Ave, Cocoa Beach, FL, 32931.

Staff Representative: Devan Taly, Deputy Finance Director/CRA

Recommendation: Approve

MOTION BY HUTCHERSON/JACKSON

I MOVE TO APPROVE AS READ.

VOICE VOTE ON THE MOTION CARRIED UNANIMOUSLY

Commissioner Williams stated that it was already purchased, and the reimbursement is for the installation. He added that whatever they submit must fall into their stated categories.

Commission will reconvene for the remaining items.

H. BUDGET

1. Staff is requesting that the City Commission set a proposed millage rate of 6.1644 for the fiscal period 2026.

Staff Representative: Hana Juman, Finance Director, A.J. Hutson, Interim City Manager

Recommendation: Approve

MOTION BY WILLIAMS/HUTCHERSON

I MOVE TO APPROVE WITH THE AMENDED MILLAGE RATE OF 6.0000

VOICE VOTE ON THE MOTION CARRIED UNANIMOUSLY

Ms. Hana Juman, Finance Director, presented the proposed FY 2026 millage rate of 6.1644, explaining how it was calculated, its expected \$19.2 million revenue, with \$1 million allocated to the CRA allowing for a budget of \$18.1 million. She explained the difference between the millage rate and rollback rate. She noted the impact of tourism and showed comparative charts with surrounding cities. Vice Mayor Williams moved to adopt the 6.1644 rate, seconded by Commissioner Tumulty. Commissioner Jackson asked about service costs and property value impacts. Ms. Juman explained how the increased revenue would support service growth, employee pay, and city upkeep. Vice Mayor Williams emphasized retaining quality employees and maintaining services. Mayor Capizzi expressed concerns about raising taxes amid inflation and stressed rebuilding reserves. Commissioner Hutcherson stated the rate exceeds inflation, while Commissioner Tumulty noted rising home sales and explained the average increase would be around \$12/month, emphasizing that some taxes remain stable. City Manager AJ

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Hutson noted the residents, and the influx of tourism and managing large scale events with crowds.

Ms. Janice Scott praised the air show but expressed concern about not using the rollback rate and questioning recreation and capital improvements. Commissioner Tumulty opposed the rollback, stating reserves could offset resident costs. Commissioner Hutcherson supported the rollback on principle, while Commissioner Jackson noted cost-of-living challenges pushing families out. Ms. Juman clarified the rollback difference is \$1.4 million, and the increased rate funds various services, noting residents bear the cost of high tourist volumes. Vice Mayor Williams emphasized the need for reserves, with discussion on raising parking fees to increase revenue.

Vote on the motion of 6.1644 failed: ~~2 Ayes; 3 Nays~~ 3 Ayes; 2 Nays Commissioner Jackson, Commissioner Hutcherson, ~~Commissioner Tumulty~~ MB

Vice Mayor Williams motioned to amend the millage rate to 6.0000 mills. Seconded by Commissioner Hutcherson

2. Confirm times and dates to set the tentative and final millage and adopt the budget for Fiscal Year 2026.

- September 4th, 2025, 7:00 PM First Public Hearing and Vote to Approve Tentative Millage & Budget
- September 18th, 2025, 7:00 PM Second Public Hearing and Vote to Approve Final Millage & Budget

Both meetings will be held at City Hall - 2 South Orlando Avenue, Cocoa Beach.

Staff Representative: Hana Juman, Finance Director, A.J. Hutson, Interim City Manager

Recommendation: Approve

MOTION BY WILLIAMS/JACKSON

I MOVE TO CONFIRM THE DATES TO SET THE TENTATIVE AND FINAL MILLAGE RATE AND ADOPT THE BUDGET FOR THE FISCAL YEAR 2026

VOICE VOTE ON THE MOTION CARRIED UNANIMOUSLY

I. CONSENT AGENDA

MOTION BY WILLIAMS/HUTCHERSON

I MOVE TO APPROVE AS READ.

VOICE VOTE ON THE MOTION CARRIED UNANIMOUSLY

1. Approve the June 19, 2025, Commission Meeting Minutes
Staff Representative: City Clerk Department
Recommendation: Approve

2. **PLANNING BOARD** : Appoint Warren Burger (Replacing Mr. Matt Tschaar) to serve a term ending November 2028 (Seat 2 - Commissioner Jackson)

CITY OF COCOA BEACH
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3. Adopt Resolution 2025-12. A resolution of the City of Cocoa Beach, Florida, Authorizing Application for the acquisition of federal surplus property located at 3750 Ocean Beach Boulevard for public park and recreational purposes, and providing an effective date.
Staff Representative: Brad Kalsow, Public Works and Water Reclamation Director
Recommendation: Adopt
4. Adopt Resolution 2025-13, A Resolution of the City Commission of the City of Cocoa Beach, Florida, adopting Cocoa Beach Centennial Square Usage Fees and providing for an effective date.
Staff Representative: AJ Hutson, Interim City Manager
Recommendation: Approve

J. ITEMS REMOVED FROM THE CONSENT AGENDA

K. UNFINISHED BUSINESS

1. Adopt Ordinance 1698 on second reading- An Ordinance of the City of Cocoa Beach, Florida, amending Chapter 26.5, "Vacation Rentals", of the Code of Ordinances of the City of Cocoa Beach; revising provisions as to occupancy to prevent the use of vacation rentals as "party houses" and to not include infants under two years of age in the occupant count; and providing for conflicts, codification, severability, and an effective date.
Staff Representative: David Dickey, Development Services Director
Recommendation: Approve

MOTION BY HUTCHERSON/JACKSON

I MOVE TO ADOPT ORDINANCE 1698

VOICE VOTE ON THE MOTION CARRIED UNANIMOUSLY

Mayor Capizzi shared his concerns about the age limit restrictions.

Ms. Vose stated that the 2-year-old age limit is aligned with Air BnB. Mayor Capizzi suggested raising the 2-year-old limit to 12 years old.

2. Appoint a member of the Space Coast League of Cities Committee
Space Coast League of Cities (Meets 2nd Monday, 6:30 pm. at Hosting City) Space Coast League of Cities Intergovernmental Committee (2nd Monday, 5:45pm, at Hosting City)
2025 Voting Delegate, ~~Tim Tumulty~~ _____
2024 Voting Delegate, Karalyn Woulas, Commissioner Hutcherson as Alternate Delegate
Representative: City Commission

MOTION BY WILLIAMS/CAPIZZI

I MOVE TO APPOINT MAYOR CAPIZZI TO THE SCLCC

VOICE VOTE ON THE MOTION CARRIED UNANIMOUSLY

CITY OF COCOA BEACH
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Vice Mayor Williams nominated Mayor Capizzi as delegate who accepted with Vice Mayor Williams as an alternate.

L. NEW BUSINESS

1. Approve the renewal of the USTA contract as revised following negotiations between the City and USTA Florida. The updated agreement includes a ten-year term in exchange for USTA Florida committing to a one-time capital investment of \$1,150,000 to renovate the six existing tennis courts.
Staff Representative: AJ Hutson, Interim City Manager
Recommendation: Consider

MOTION BY WILLIAMS/HUTCHERSON

I MOVE TO APPROVE THE RENEWEL OF THE USTA CONTRACT

VOICE VOTE ON THE MOTION CARRIED UNANIMOUSLY

City Manager. Hutson reviewed the current USTA tennis contract that expires in 2026, noting the city's current responsibilities and USTA's 10% profit-sharing. Ms. Laura Bowen from the USTA detailed past collaborations with the city, including fence replacements, court resurfacing, and addressing lighting issues, requesting city assistance in removing old poles and fences for planned upgrades. She mentioned a likely grant for resurfacing and highlighted their four-year effort to complete improvements.

Mayor Capizzi raised concerns about tennis court inclusiveness and noted USTA offers grant support for hurricane damage. Ms. Kathy Grainger, a long-time player and former league VP, emphasized the courts' importance for rec teams and camps, citing inadequate lighting and poor conditions, especially after the hurricane, making the area feel unsafe.

2. FY 2025-2026 Budget request for CPI increases from June 2017 to the current City Attorney agreement with CPI adjustment for years going forward.
Staff representative: City Attorney, Becky Vose
Recommendation: Consider

MOTION BY WILLIAMS/HUTCHERSON

I MOVE TO ACCEPT THE 2025-2026 CPI INCREASE

VOICE VOTE ON THE MOTION CARRIED UNANIMOUSLY

Vice Mayor Williams mentioned the very low percentage increase in her pay and shared his history with Ms. Vose and her excellent job with the city. Ms. Vose stated that her law firm does not make money if the city gets in trouble. Mayor Capizzi shared the same sentiments as Vice Mayor Williams. Commissioner Tumulty stated that her firm did not have a CPI when she started.

CITY OF COCOA BEACH
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3. Adopt Ordinance 1699 on first reading, An Ordinance of the City of Cocoa Beach, Florida, adding a new Section 26-14, "Parking on City owned or Leased Property", of Article I, "In general", of Chapter 26, "traffic", of the code of ordinances of the City of Cocoa Beach; providing provisions for parking on city owned or leased property; and providing for CONFLICTS, codification, SEVERABILITY, AND AN EFFECTIVE DATE.

Staff Representative: David Dickey, Development Services Director.

Recommendation: Approve

MOTION BY HUTCHERSON/JACKSON

I MOVE TO ADOPT ORDINANCE 1699 ON THE FIRST READING

VOICE VOTE ON THE MOTION CARRIED UNANIMOUSLY

Mr. David Dickey, Development Services Director, shared his discussions on parking on city owned or leased parking spots. stated that there was nothing in the code about established employee parking and that this ordinance gives the city manager authority to address parking-related issues.

Mayor Capizzi inquired about commission being able to appeal. Vice Mayor Williams gave a hypothetical about designated spots for specific employees. stated there needs to be a way to open the spots for residents for special events. Mr. Hutson stated that we are a 24-hour operation and that we need parking for city vehicles. Commissioner Tumulty suggested they go through with this and to get with the commissioners to discuss it further with a verbiage change. Vice Mayor Williams suggested making spots for employees only during business hours.

Ms. Janice Scott shared concerns that parking under the city hall is limited.

4. Accept the Engineers' Recommendation of Award for the bid submitted by C & D Construction, Inc in the amount of \$913,787.30 for bid #CB25-007, Ramp Road Stormwater and Parking Lot Improvements. Allow staff to enter into contract with C & D Construction, Inc. This project was awarded grants from FDEP and Save Our Indian River Lagoon (SOIRL). This is a budgeted Capital Project.

Staff Representative: Morgan Zuhlke, Stormwater Utility Manager

Recommendation: Approve

MOTION BY WILLIAMS/TUMULTY

I MOVE TO APROVE THE AWARD BID SUBMITTED BY C&D CONSTRUCTION

VOICE VOTE ON THE MOTION CARRIED UNANIMOUSLY

Ms. Morgan Zuhlke, Stormwater Utility Manager, stated that there is \$74,600 in grants and the remaining cost will be budgeted.

Ms. Janice Scott inquired about the CRA funds being contributed. Ms. Juman stated the remaining funds would go back into the reserves.

CITY OF COCOA BEACH
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5. Approve the Scope of Services for Construction, Engineering, and Inspection (CEI) of the Ramp Road Parking Lot and Stormwater Improvements Task Order 16 with Jacobs Engineering Group in the amount of \$88,827. This is a budgeted item.
Staff Representative: Morgan Zuhlke, Stormwater Utility Manager
Recommendation:
Approve

MOTION BY WILLIAMS/HUTCHERSON

I MOVE TO APPROVE THE RAMP ROAD PARKING LOT AND STORMWATER IMPROVEMENTS IN THE AMOUNT OF \$88,827.

VOICE VOTE ON THE MOTION CARRIED UNANIMOUSLY

There was no discussion.

6. Adopt Resolution 2025-11 - A Resolution of the City Commission of the City of Cocoa Beach, Florida, Amending Resolution 2023-05, a Master Resolution for Fees relating to parking; making findings; adopting revised fee schedule for parking; requiring posting of fees on website and implementation of new fees; and providing for an effective date.
Staff Representative: Hana Juman, Finance Director
Recommendation: Approve

MOTION BY WILLIAMS/CAPIZZI

I MOVE TO AMEND ITEM #3 DAY PARKING AT NON-PARKS FROM \$20 TO \$25

VOICE VOTE ON THE MOTION CARRIED 4-1 COMMISSIONER HUTCHERSON NAY

Commissioner Williams moved to approve Commissioner Tumulty seconded

There was a discussion regarding the various parking fees.

Mr. Hutson stated that when the parking rates were cheap the clientele was problematic and with the increased rate, the clientele has gotten better. Motion to approve as written failed 2-3. Nays:

Commissioner Hutcherson, Commissioner Jackson, Mayor Capizzi. There was a back-and-forth discussion to amend the resolution. The City Clerk asked for clarification on the motion.

Commissioner Williams made a motion to change item #3 on Exhibit A (Day parking at non parks) to go from \$20 to \$25 Commissioner Tumulty seconded

7. Adopt Resolution 2025-14, a Resolution of the City Commission of the City of Cocoa Beach, Florida, amending the fees for the various facilities of the Cocoa Beach Golf Course Country Club; making findings; and providing for an effective date. This is a change to the fee structure for Cocoa Beach Country Club Facility.
Staff Representative: Andi Segarra, Leisure Services Director
Recommendation: Approve

MOTION BY WILLIAMS/TUMULTY

I MOVE TO ADOPT RESOLUTION 2025-14

CITY OF COCOA BEACH
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VOICE VOTE ON THE MOTION CARRIED UNANIMOUSLY

Ms. Andi Segarra, Director of Leisure Services, clarified that that the resolution was only for the Country Club facility.

8. Adopt Resolution 2025-15 - A Resolution of the City Commission of the City of Cocoa Beach, Florida, Establishing and updating a comprehensive schedule of fees for the Fire Department regarding Special Events, Fire Safety Inspections, Equipment Use, Training and related Fire Services, providing for severability, conflicts, and an effective date.

Staff Representative: Fire Chief, Justin Grimes

Recommendation: Approve

MOTION BY WILLIAMS/JACKSON

I MOVE TO ADOPT RESOLUTION 2025-15

VOICE VOTE ON THE MOTION CARRIED UNANIMOUSLY

Fire Chief Justin Grimes spoke on the increases and reasons for them.

M. GENERAL PUBLIC COMMENT

(Only if not accommodated in the 30-minute Public Comment period earlier)

N. ADJOURNMENT

The meeting adjourned at 9:38 PM

X

Michael Bryan
Assistant to the City Clerk

X

Keith Capizzi
Mayor

City of Cocoa Beach City Commission Agenda Item Summary

**DEPARTMENT MAKING
REQUEST/NAME:**

Stormwater /
Morgan Zuhlke, Stormwater Manager

MEETING DATE

August 7, 2025

REQUESTED MOTION/ACTION

Approve piggyback contract agreement for street sweeping services provided by United Sweeping, LLC. The street sweeping services are required by the City's National Pollutant Discharge Elimination System (NPDES) Permit. This is a budgeted item.
Staff Representative: Morgan Zuhlke, Stormwater Utility Manager
Recommendation: Approve

IS THIS ITEM BUDGETED (IF APPLICABLE)?

This is a budgeted item.

BACKGROUND:

Street sweeping services are a requirement under the City's National Pollutant Discharge Elimination System (NPDES) permit. This regular maintenance activity on City streets prevents over 40 tons of vegetative/sediment debris and trash from entering the City's stormwater system and the Banana River Lagoon.

United Sweeping will perform City sweeping once per month and sweep specific, heavily-treed areas twice per month (See Exhibit "B" in attached contract).

CITY OF COCOA BEACH
AGREEMENT TO PIGGYBACK SERVICES

THIS AGREEMENT TO PIGGYBACK SERVICES is made and entered into this 17 day of August, 2025, by and between the CITY OF COCOA BEACH, a Florida municipality, hereinafter referred to as the (“City”), and UNITED SWEEPING, LLC, a corporation authorized to do business in Florida (“Contractor”), concerning that certain contract with CITY OF JACKSONVILLE, a political subdivision of the State of Florida (“Jacksonville Contract”).

WITNESSETH:

WHEREAS, Section 119.0701, Fla. Stat., requires that certain public agency contracts must include certain statutorily required provisions concerning the contractor’s compliance for Florida’s Public Records Act; and

WHEREAS, Section 768.28, Fla. Stat., sets forth certain mandatory limitations on indemnification and liability for Florida public agencies; and

WHEREAS, Florida law requires that public agency contracts be subject to non-appropriation and thereby contingent upon appropriation during the public agency’s statutorily mandated annual budget approval process; and

WHEREAS, Section 448.095, Fla. Stat., imposes certain obligations on public agencies with regard to the use of the E-Verify system by their contractors and subcontractors; and

WHEREAS, Section 287.133 and 287.135, Fla. Stat., provides restrictions on local governments contracting with companies that are on certain Scrutinized Companies lists or convicted vendor list; and

WHEREAS, additional terms consistent with Sections 282.3185(5) and (6) related to data management and Section 287.05701 related to social government and corporate activism are also added by virtue of this Agreement; and

WHEREAS, Section 286.101, Florida Statutes contains a list of “foreign countries of concern” including, the People’s Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People’s Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolás Maduro, or the Syrian Arab Republic, including any agency of or any other entity under significant control of such “foreign country of concern”. Any entity that does business with a state agency or political subdivision must disclose certain of their dealings with those “foreign countries of concern” to the Florida Department of Financial Services; and

WHEREAS, Section 787.06(13), Florida Statutes provides that when a contract is executed, renewed, or extended between a nongovernmental entity and a governmental entity, the

nongovernmental entity must provide the governmental entity with an affidavit signed by an officer or a representative of the nongovernmental entity under penalty of perjury attesting that the nongovernmental entity does not use coercion for labor or services as defined in such statute; and

WHEREAS, pursuant to Section 252.505, Florida Statutes, each local government contract for goods or services related to emergency response for a natural emergency entered into, renewed, or amended on or after July 1, 2025, must include a provision that requires a vendor or service provider that breaches such contract during an emergency recovery period to pay a \$5,000 penalty and damages; and

WHEREAS, On or around July 3, 2024, Jacksonville advertised a solicitation titled Invitation to Bid 15795-24 (“ITB”) for certain services, which is incorporated herein reference; and

WHEREAS, Jacksonville thereafter awarded the solicitation to Contractor based on the terms and conditions set forth in the ITB, effective on or around December 2, 2024, which is incorporated herein reference. The initial term of the Jacksonville Contract ends on September 30, 2027 and may be extended for up to one (1) additional two (2) year period upon written mutual consent of the parties; and

WHEREAS, the services provided by Contractor are needed by the City of Cocoa Beach; therefore, the City desires to enter into an agreement with the Contractor pursuant to the same terms of the Jacksonville Contract except as amended herein; and

WHEREAS, the Jacksonville Contract was competitively bid with procedural guarantees of fairness and competitiveness substantially equivalent to those of the City of Cocoa Beach; 2) The City of Cocoa Beach and Contractor authorize the “piggyback” on the competitive pricing of their Contract; and 3) it is in the best interest of the residents of the City of Cocoa Beach to enter into an agreement with Contractor containing similar terms and conditions as contained the Jacksonville Contract; and

WHEREAS, the parties hereby agree and consent to “piggyback” on the rates/prices and terms and conditions in Jacksonville Contract including, all attachments, addenda, unit prices, and all other applicable documents except as otherwise provided herein.

NOW, THEREFORE, in consideration of the covenants set forth herein, the parties agree to this addendum as follows:

1. Incorporation by Reference. The foregoing WHEREAS clauses are incorporated by reference.

2. Amendments. In the event of a conflict between the terms of the Jacksonville Contract and terms of this Agreement to “piggyback”, the terms of this Agreement to “piggyback” shall prevail. This Agreement to “piggyback” services hereby amends and supplements the terms of the Jacksonville Contract by the following:

(a) The City of Cocoa Beach and its equivalent staff and address shall be substituted for City of Jacksonville and its staff and addresses, as may be required in the awarded Jacksonville Contract.

(b) The scope of work and quote for services is contained in **Exhibit “A”** which is attached hereto and made a part hereof.

(c) The City’s street sweeping map is contained in **Exhibit “B”** which is attached hereto and made a part hereof.

(d) The term of contract shall be same as the City of Jacksonville contract or a three (3) year term with two (2) one (1) year renewals upon written agreement, whichever is longer.

3. Public Records Compliance. Contractor agrees that, to the extent that it may "act on behalf" of the City within the meaning of Section 119.0701(1)(a), Florida Statutes in providing its services under this Agreement, it shall:

- (a) Keep and maintain public records required by the public agency to perform the service.
- (b) Upon request from the public agency’s custodian of public records, provide the public agency with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in this chapter or as otherwise provided by law.
- (c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the public agency.
- (d) Upon completion of the contract, transfer, at no cost, to the public agency all public records in possession of the contractor or keep and maintain public records required by the public agency to perform the service. If the contractor transfers all public records to the public agency upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon completion of the contract, the contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the public agency, upon request from the City’s custodian of public records, in a format that is compatible with the information technology systems of the City.
- (e) Pursuant to Section 119.0701(2)(a), Fla. Stat., **IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR’S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**CITY HALL – SECOND FLOOR
2 S. ORLANDO AVE.
P.O. BOX 322430**

COCOA BEACH, FL 32932-2430.

321-868-3286,

CITYCLERK@CITYOFCOCOABEACH.COM

4. Public Records Compliance Indemnification. Contractor agrees to indemnify and hold the City harmless against any and all claims, damage awards, and causes of action arising from the contractor's failure to comply with the public records disclosure requirements of Section 119.07(1), Florida Statutes, or by contractor's failure to maintain public records that are exempt or confidential and exempt from the public records disclosure requirements, including, but not limited to, any third party claims or awards for attorneys' fees and costs arising therefrom. Contractor authorizes the public agency to seek declaratory, injunctive, or other appropriate relief against Contractor in Brevard County Circuit Court on an expedited basis to enforce the requirements of this section.

5. Compliance/Consistency with Section 768.28, Fla. Stat. Any indemnification or agreement to defend or hold harmless by City specified in the Contract shall not be construed as a waiver of City's sovereign immunity and shall be limited to such indemnification and liability limits consistent with the requirements of Section 768.28, Fla. Stat. and subject to the procedural requirements set forth therein. Any other purported indemnification by City in the Contract in derogation hereof shall be void and of no force or effect.

6. Non-appropriation. City's performance and obligation to pay under this Agreement is contingent upon an appropriation during the City's annual budget approval process. If funds are not appropriated for a fiscal year, then the Contractor shall be notified as soon as is practical by memorandum from the City Manager or designee that funds have not been appropriated for continuation of the Agreement, and the Agreement shall expire at the end of the fiscal year for which funding has been appropriated. The termination of the Agreement at fiscal year end shall be without penalty or expense to the City subject to the City paying all invoices for services rendered during the period the Agreement was funded by appropriations.

7. E-Verify Compliance. By entering into this Agreement, the Contractor is obligated to comply with the provisions of Section 448.095, Florida Statutes "Employment Eligibility," as amended from time to time. This includes but is not limited to register with and use the E-Verify System to verify the work authorization status of all newly hired employees, and requiring all subcontractors to provide an affidavit to Contractor attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. Contractor agrees to maintain a copy of such affidavit for the duration of this Agreement. Failure to comply with this paragraph will result in the termination of this Agreement as provided in Section 448.095, Florida Statutes, as amended and Contractor will not be awarded a public contract for at least one (1) year after the date on which the Agreement was terminated. Contractor will also be liable for any additional costs to the City as a result of the termination of this Agreement in accordance with this paragraph. Contractor affirmatively states, under penalty of perjury, that in accordance with Section 448.095, Florida Statutes, Contractor is registered with and uses the E-Verify system to verify the work authorization status of all newly hired employees, that in accordance with such statute, Contractor requires from each of its subcontractors an affidavit stating that the subcontractor does not employ,

contract with, or subcontract with an unauthorized alien, and that Contractor is otherwise in compliance with Sections 448.09 and 448.095, Florida Statutes.

8. Compliance/Consistency with Scrutinized Companies Provisions of Florida Statutes. Section 287.135(2)(a), Florida Statutes, prohibits a company from bidding on, submitting a proposal for, or entering into or renewing a contract for goods or services of any amount if, at the time of contracting or renewal, the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to section 215.4725, Florida Statutes, or is engaged in a boycott of Israel. Section 287.135(2)(b), Florida Statutes, further prohibits a company from bidding on, submitting a proposal for, or entering into or renewing a contract for goods or services over one million dollars (\$1,000,000) if, at the time of contracting or renewal, the company is on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, both created pursuant to section 215.473, Florida Statutes, or the company is engaged in business operations in Cuba or Syria. Contractor hereby certifies that Contractor is not listed on any of the following: (i) the Scrutinized Companies that Boycott Israel List, (ii) Scrutinized Companies with Activities in Sudan List, or (iii) the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. Contractor further hereby certifies that Contractor is not engaged in a boycott of Israel or engaged in business operations in Cuba or Syria. Contractor understands that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject Contractor to civil penalties, attorney's fees, and/or costs. Contractor further understands that any contract with City for goods or services of any amount may be terminated at the option of City if Contractor (i) is found to have submitted a false certification, (ii) has been placed on the Scrutinized Companies that Boycott Israel List, or (iii) is engaged in a boycott of Israel. And, in addition to the foregoing, if the amount of the contract is one million dollars (\$1,000,000) or more, the contract may be terminated at the option of City if the company is found to have submitted a false certification, has been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or has been engaged in business operations in Cuba or Syria.

9. Disclosure Requirements for "Foreign Countries of Concern". CONTRACTOR shall comply with the disclosure requirements set forth in section 286.101 (3) (a), F.S., which requires "Any entity that applies to a state agency or political subdivision for a grant or proposes having a contract value of \$100,000 or more shall disclose to the state agency or political subdivision any current or prior interest of, any contract with, or any grant or gift received from a "foreign country of concern" if such interest, contract, grant or gift received from a "foreign country of concern" if such interest, contract, grant or gift has a value of \$50,000 or more and such interest existed at any time or such contract, grant or gift was received or in force at any time during the previous five (5) years. Such disclosure shall contain the name and mailing address of the disclosing entity, the amount of the gift or the value of the interest disclosed, the applicable "foreign country of concern" and, if applicable the date of termination of the contract or interest, the date of receipt of the grant or gift and the name of the agent or controlled entity that is the source or interest holder. Within one (1) year before applying for any grant or proposing any contract, such entity must provide a copy of such disclosure to the Department of Financial Services". Pursuant to section 268.101(7), F.S.: "In addition to any fine assessed under [section 286.101(7)(a), F.S.], a final order determining a third or subsequent violation by an entity other than a state agency or political subdivision shall automatically disqualify the entity from eligibility

for any grant or contract funded by a state agency or any political subdivision until such ineligibility is lifted by the Administration Commission for good cause.”

10. Venue and Jurisdiction. Notwithstanding any of other provision to the contrary, this Agreement and the parties’ actions under this Agreement shall be governed by and construed under the laws of the state of Florida, without reference to conflict of law principles. As a material condition of this Agreement, each Party hereby irrevocably and unconditionally: i) consents to submit and does submit to the jurisdiction of the Circuit Court in and for Brevard County, Florida for any actions, suits or proceedings arising out of or relating to this Agreement; and ii) agrees that no actions, suits or proceedings arising out of or relating to this Agreement shall be brought in, or removed to, any Federal Court.

11. Attorneys’ Fees and Costs. Notwithstanding any of other provision to the contrary, if litigation ensues regarding this Agreement, each party hereto shall bear its own attorneys’ fee and costs.

12. Public Entities Crime or Convicted Vendor List. Contractor agrees and assumes a continuous duty to disclose to the City if the Contractor or any of its affiliates as defined by Section 287.133(1)(a), Florida Statutes are placed on the Convicted Vendor List or the Antitrust Violator Vendor List maintained by the Florida Department of Management Services.

13. Data Management; Notice of Breach. Contractor shall cooperate with the City and provide timely incident reporting, response activities/fact gathering, public and agency notification, severity level assessment, after-action reports, etc., which the City must report in accordance with Sections 282.3185(5) & (6), Florida Statutes in the event of a data breach.

14. Environmental and Social Government and Corporate Activism. The City has not given preference or requested documentation from the Contractor based on Contractor’s social, political or ideological interest. Contractor agrees to similarly not request documentation or give preference to any subcontractor based on the subcontractor’s social, political or ideological interests.

15. Taxes. The City shall not be liable for any taxes and assessments imposed by a federal, state or local governmental agency to the extent that the City is exempt from same by Florida law, including but not limited to any sales or use tax.

16. No coercion for labor or services. The Contractor swears under penalty of perjury that the Contractor does not use coercion for labor or services as defined as follows:

“Coercion” means:

1. Using or threatening to use physical force against any person;
2. Restraining, isolating, or confining or threatening to restrain, isolate, or confine any person without lawful authority and against her or his will;
3. Using lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied toward the liquidation of the debt, the length and nature of the labor or services are not respectively limited and defined;

4. Destroying, concealing, removing, confiscating, withholding, or possessing any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification document, of any person;
5. Causing or threatening to cause financial harm to any person;
6. Enticing or luring any person by fraud or deceit; or
7. Providing a controlled substance as outlined in Schedule I or Schedule II of Sec. 893.03, Fla. Stat. to any person for the purpose of exploitation of that person.

17. Force Majeure. The City reserves the right to suspend, modify or terminate this contract in the event of an act of god or act of man beyond the control of the parties, including but not limited to a hurricane, tropical storm, tornado, or other destructive weather event, flooding, pandemic, plague, war, armed conflict, domestic or foreign terrorism, riot, labor condition, state or federal governmental action, and catastrophic Internet disturbance, making performance inadvisable, economically impracticable, illegal, or impossible.

18. Conflicts. By entering into this agreement, the Contractor represents that it currently is not providing professional services to any third party person or entity on any project or development for which project or development approval is currently pending or proposed or for which an application is being prepared for submittal to the City of Cocoa Beach for review or approval and further agrees that during the term of this agreement, the Contractor will not provide professional services to any third party person or entity as to any project or development for which development or project approval is pending or proposed or for which an application is being prepared for submittal to the City of Cocoa Beach for review or approval.

19. Breach of Agreement for Goods or Services Related to Emergency Response for Natural Disaster Pursuant to Section 252.505, Florida Statutes. Pursuant to Sec. 252.505, Fla. Stat., if vendor breaches this agreement during an emergency recovery period (1-year period beginning upon Governor's initial declaration of a natural emergency) Contractor shall pay a \$5,000 penalty and damages, which may be either actual and consequential damages or liquidated damages in addition to any other consequential damages or liquidated damages that may otherwise be due under the terms of the agreement.

20. Additional Terms. Notwithstanding any of other provision to the contrary, the parties agree as follows:

- A. None.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be signed on the date first above written.

Under penalties of perjury, and pursuant to Sec. 92.525, Fla. Stat., Contractor declares that Contractor has read the foregoing Section 16 above and that the facts stated in it are true.

UNITED SWEEPING, LLC

By: Matthew Ford
Matt Ford, General Manager

Attested By: Carmine Latanza Carmine Latanza Officer
(Signature, Printed Name, Title)

Date Signed by the Contractor: 7/31/25

THE CITY OF COCOA BEACH

By: _____
Mayor Keith Capizzi, Chairperson- Cocoa Beach City Council

Attested By: _____
Karin Grooms, CMC- City Clerk

Date Signed by the City: _____

Approved for Legal Form for the use and benefit
only of the City of Cocoa Beach:

Gretchen R.H. Vose
City Attorney

EXHIBIT "A"



Prepared for:

City of Cocoa Beach

1600 Minutemen Cswy
Cocoa Beach, FL 32931

Morgan Zuhlke

morgan.zuhlke@cityofcocoa-beach.com
+13218683316

United Sweeping is built at the intersection of where old school sweeping meets modern techniques

It is the service, quality and accommodation you forgot you deserved.

Founded in 2024, based on the premise of putting customers before profits. Our business model draws on over 50 years of combined former owner experience bringing service, quality and same day accommodation to your front door step at a competitive rate. Our commitment to these values makes United Sweeping a better choice for your contract or project.

Expires

August 27, 2025

Products & Services	Billing Frequency	Quantity	Unit price		Price
Street Sweeping without Disposal United Sweeping, LLC will provide a qualified and certified operator and a street sweeper newer than 5 years to sweep and clean all roadways and curblines as per scope of work. Sweeping service includes sweeping 2x a month roads and 1x a month roads adding to 110.55 curb miles per cycle. City of Cocoa Beach handles disposal.		110.55	\$39.00	Per Mile	\$4,311.45
One-time subtotal					\$4,311.45

Terms & Conditions

1. Definitions: “Customer” refers to the entity receiving Services from the Company under this agreement. “Agreement” encompasses either (i) the signed contract between both parties for services or (ii) the work order or purchase order signed by the Customer and accepted by the Company in writing, along with these Terms and Conditions. “Company” denotes the United Sweeping entity providing Services under this Agreement.

2. Services: Customer authorizes the Company to provide all necessary labor, equipment and services for the performance of the service (“Service”), and retains exclusive rights to provide such services, in accordance with the service standards outlined in this Customer agrees to make payments as specified in the Agreement.

3. Coverage and Term: This Agreement governs all Services provided by the Company from its effective date. The initial term of this Agreement commences on the when Service begins and lasts for twelve (12) months. Subsequently, it automatically renews for successive twelve (12) month terms unless either party provides written notice of termination to the other party at least sixty (60) days before the end of the existing term.

4. Termination: This Agreement may only be terminated by the Customer through written notice of Company’s breach of the Agreement, and after providing an opportunity to cure the breach, Company fails to cure the breach within 30 days of written notice. In the event of termination, prior transactions and liabilities remain unaffected. If any clause or provision is deemed invalid or unenforceable by a court, the remainder of the agreement shall remain

5. Service Standards: Services will adhere to the Company’s best management practices. Removal of obstructions or debris such as leaves, silt and dirt are included in the standard If additional removal is deemed necessary by the Company, extra services will be provided for additional compensation. Customer warrants that materials collected by are non- hazardous waste. The company will not assume the status of “generator” and any waste collected remains the property of the Customer. The Company shall dispose of waste in a location provided by the customer and the customer hereby authorizes the use of this location unless otherwise agreed upon and indicated in the agreement. Additional charges for disposal will be indicated in the compensation schedule and shown on the customer invoice. In cases of inclement weather or unforeseen circumstances prevent scheduled service, the Company will strive to perform service when conditions permit.

6. Property Damage: The Company is not liable for damage to Customer's Pavement, subsurface, curbing or other driving surfaces resulting from its services.

7. Force Majeure: Neither party shall be liable for failure or delay in performance due to circumstances beyond reasonable control, including but not limited to unsafe conditions, weather, strikes, compliance with governmental orders, or acts of God.

8. Independent contractor: This agreement does not establish the customer as a partner, employee or agent of the Company, nor does it grant either party authority to bind the other. Company remains an independent contractor responsible for its own actions, agents, employees and representatives.

9. Indemnity and Warranties: Customer shall defend, indemnify, and hold harmless the Company, its officers, directors, affiliates, employees, members and contractors from any and all damages, liabilities, or expenses (including legal fees) arising from Customer's negligence, misconduct, violation of law or breach of this The Company makes no express or implied warranties, including merchantability or fitness for a particular purpose, unless otherwise stated herein.

10. Assignability: This agreement is binding and extends to all successors and The Agreement, its duties, and any retention of the Company subject to this Agreement may be assigned in whole or in part without mutual written consent.

11. Payment: Customer shall pay for Services in accordance with the compensation schedule and Unless otherwise agreed, payment is due within thirty (30) days of the invoice date. Late fees and interest, not exceeding the maximum rate allowed by law, may be charged on overdue amounts. Failure to make timely payment may result in termination of the Agreement, and recovery of all past due amounts by the Company upon notice to the Customer. If any amount due from Customer remains unpaid for sixty (60) days from the date of the invoice, the Company reserves the right to suspend service, with or without notice, until all outstanding amounts are paid. This action does not constitute termination of the contract.

12. Fees and Rate Adjustments: Customer agrees to pay Company for any increases in costs resulting from escalations in energy prices, labeled as "energy" on the compensation Additionally, Company agrees to pay for rate increases due to changes in laws, regulations and governmental fees affecting Company's operations or services.

13. Entire Agreement: this agreement constitutes the entire agreement between the parties, superseding any previous written or oral agreements. No waiver of any provision shall be implied from a party's failure to complain or seek remedies for a previous breach.

14. Disputes and Remedies: The parties agree to resolve any disputes or controversies through binding arbitration under the rules of the American Arbitration Association. Judgement on the award entered by any court with jurisdiction. Neither party shall be liable for loss of profits or indirect, special, incidental, consequential or punitive damages, except claims by the Company for fee collection.

15. Jurisdiction, Venue & Attorney's Fees: It is agreed that if the Company files a lawsuit to collect any outstanding payments under this Agreement, it shall be entitled to recover reasonable costs and attorney's fees. Both parties knowingly and voluntarily, to the extent permitted by law, waive their right to a trial by jury in any legal proceedings related to this agreement. Customer and Company consent to personal jurisdiction and venue in Seminole County, Florida and agree not to object if a lawsuit is filed there.

PROJECT ACCEPTANCE

Print

EXHIBIT "B"

City of Cocoa Beach

Streetsweeping Streets

Twice Monthly

Ocean Beach

Meade

Pulsipher

Winslow

N/S Banana (portions)

Columbia

SR520

Atlantic/SRA1A (portions)

Bay

Cocoa Isles

Antigua

June

Esther

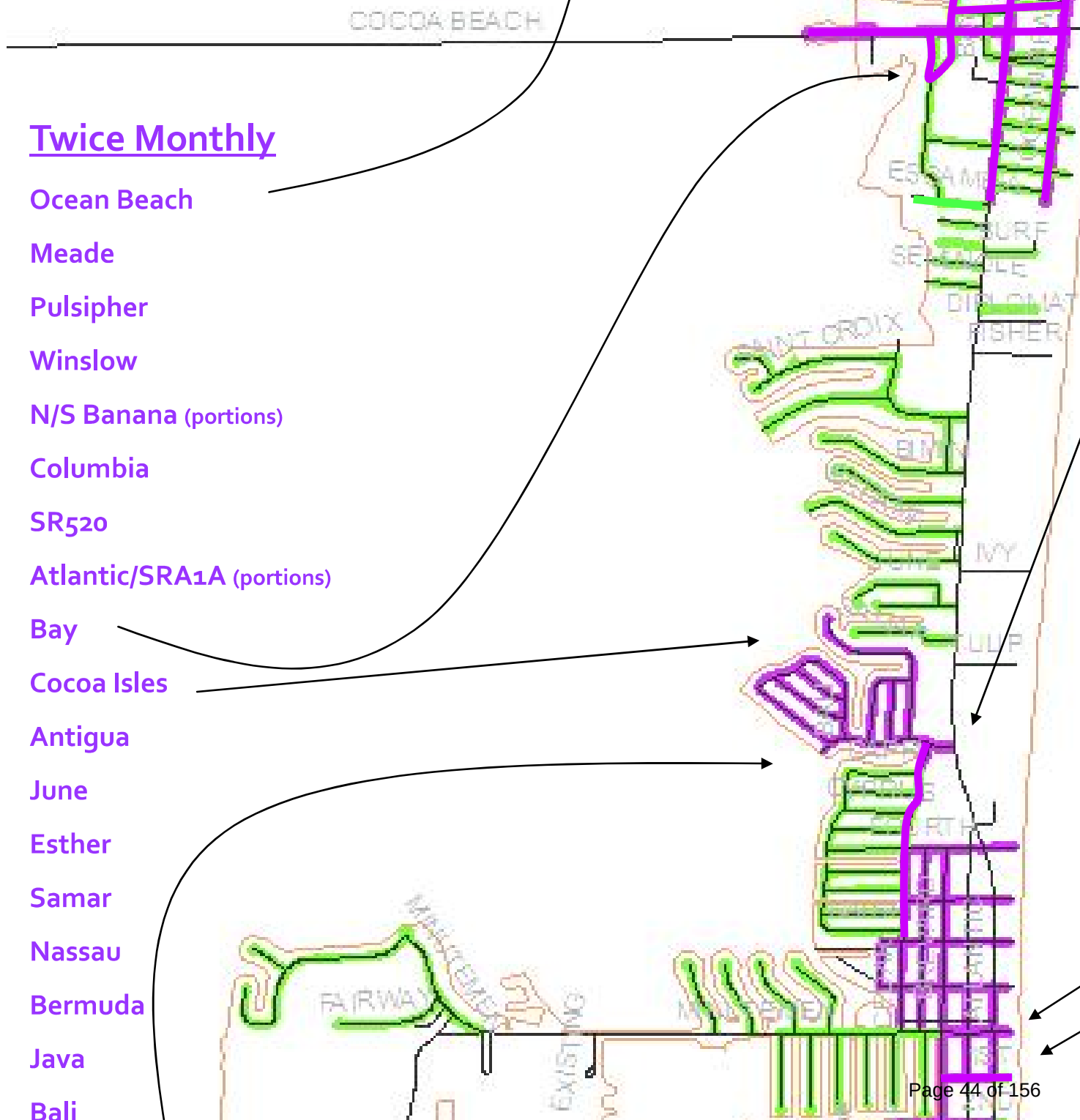
Samar

Nassau

Bermuda

Java

Bali



City of Cocoa Beach City Commission Agenda Item Summary

**DEPARTMENT MAKING
REQUEST/NAME:**

Stormwater /
Morgan Zuhlke, Stormwater Manager

MEETING DATE

August 7, 2025

REQUESTED MOTION/ACTION

Approve the Brevard County Save Our Indian River Lagoon (SOIRL) grant in the amount of \$5,726.

Staff Representative: Morgan Zuhlke, Stormwater Utility Manager

Recommendation: Approve

IS THIS ITEM BUDGETED (IF APPLICABLE)?

Cocoa Isles Blvd Dry Pond (Bioretention) - design underway FY25 and construction budgeting in FY26.

BACKGROUND:

Received the Brevard County SOIRL notice of decision for the Cocoa Isles Blvd Dry Pond (Bioretention) project for \$5,726. There is a small area at the end of Cocoa Isles Blvd to install a bioretention area to treat and infiltrate stormwater runoff from a low-density residential area. Treatment will be enhanced by lining the retention area with bioactivated media (BAM) and planted with Florida native plants. This system greatly reduces nutrient/pollutant loading to the receiving water while also protecting the barrier island's surficial aquifer. This project will benefit the Banana River Lagoon and is being implemented to reduce the pollutant load.



**Natural Resources Management Department
Save Our Indian River Lagoon Program**

2725 Judge Fran Jamieson Way
Building A, Room 219
Viera, Florida 32940

BOARD OF COUNTY COMMISSIONERS

NOTICE OF DECISION

DATE: February 24, 2025

TO: All Respondents of Approved Project Funding Applications
Save Our Indian River Lagoon Program, 2025 - Project Funding Proposals

FROM: Terri Breeden, Environmental Section Supervisor

SUBJECT: Notice of Decision

As a result of the Save Our Indian River Lagoon Program 2025 - Project Funding Proposals, the Citizen Oversight Committee recommended, and the Board of County Commissioners approved the following projects:

Agreement Number	Project Name	Eligible Approved Cost-Share
264	Unincorporated Countywide Vegetation Harvesting 2	\$472,758
265	Restoration of native clams in the Indian River Lagoon - Titusville	\$272,000
267	Restoration of native clams in the Indian River Lagoon - Grant Island	\$170,000
269	Coleman Pond Circulator	\$126,021
270	Tennessee St Baffle Box	\$514,794
271	Osprey Pond Circulator	\$86,394
272	Brevard Zoo North IRL Oyster Project 4	\$827,450
273	Brevard Zoo Central IRL Oyster Project 5	\$714,400
274	Waelti Drive Pond Retrofit	\$97,818
275	Lake Washington & Croton Road Pond Retrofit	\$56,406
276	N. Wickham & Conservation Place Wet Pond Retrofit	\$93,177
277	Darrow Baffle Box	\$191,352
278	Line Street Cemetery Baffle Box	\$274,890
279	Melbourne Cemetery Baffle Box	\$216,342
280	Westside Basin Water Quality Improvements	\$56,033
281	Cocoa Isles Blvd Dry Pond	\$5,726
282	South Beaches Wastewater Treatment Plant Upgrade*	\$2,471,354
283	Port Saint John Wastewater Treatment Plant Replacement*	\$981,818
284	Palm Bay Septic to Sewer Conversion Project - Sewer Available Not Connected (SANC) Phase 2	\$1,616,992

*Approved with the stipulation to review and contract up to an amount exceeding regulatory requirements

More information can be found on the [Save Our Indian River Lagoon](#) home page.

Attached to this email please find a template of the Interlocal Agreement for your reference, as well as Attachments A-F. To execute the contract please fill in Attachments A and E. Once completed, return Attachment A and E to Josh at Joshua.Hibbard@BrevardFL.gov and he will circulate the Interlocal Agreement for Brevard County signatures. You will then receive two signed contracts, one to keep for your records and one to sign and return to Brevard County.

If you have any questions or comments, please contact me by phone or email below.

Sincerely,

Terri Breeden

Terri Breeden

Environmental Section Supervisor

Save Our Indian River Lagoon Program
Brevard County Natural Resources Mgmt. Dept.
2725 Judge Fran Jamieson Way, Bldg. A-219
Viera, FL 32940
321-633-2016 Ext. 58407 (office)
321-223-0398 (cell)
Terri.Breeden@brevardfl.gov
<https://www.brevardfl.gov/SaveOurLagoon/Home>

**City of Cocoa Beach City Commission
Agenda Item Summary**

**DEPARTMENT MAKING
REQUEST/NAME:**

City Clerk /
Michael Bryan, Assistant to the City Clerk

MEETING DATE

August 7, 2025

REQUESTED MOTION/ACTION

Approve agreement for continuing engineering and surveying services with Allen Engineering (Added 08-04-2025)
Staff Representative: Brad Kalsow, Public Works and Water Reclamation Director
Recommendation: Approve

IS THIS ITEM BUDGETED (IF APPLICABLE)?

NA

BACKGROUND:

To close the loop on a contractual agreement that was initiated but not completed in 2023

**CITY OF COCOA BEACH
AGREEMENT FOR CONTINUING
ENGINEERING AND SURVEYING SERVICES**

This Contract is made upon the signing of the parties by and between the City of Cocoa Beach, Florida, a municipal corporation, hereinafter referred to as the “City”, and Allen Engineering, Inc., 106 Dixie Lane, PO Box 321321, Cocoa Beach, Florida, 32931 authorized to do business in the State of Florida, and hereinafter referred to as the “Consultant” or “Contractor”. In consideration of the mutual promises contained herein, the City and the Consultant agree that the Consultant will perform engineering and surveying services and related tasks for the City of Cocoa Beach as more specifically set forth in **Exhibit A, Scope of Work**, of this Contract, attached hereto and by reference, made part hereof.

ARTICLE 1-TERM OF CONTRACT

The Consultant shall begin services under this contract on or about June 1, 2023, and this Contract shall continue for a period of five years through May 31, 2028 unless either party chooses to exercise its rights under Article 26, Termination. This Contract is renewable for up to two (2) additional years if extended by the mutual agreement of both parties no less than ninety (90) days prior to contract expiration. The maximum term of this contract shall be seven (7) years.

ARTICLE 2 - CONTRACT ADMINISTRATION

Administration of this Contract shall be under the general direction of Wayne Carragino, Assistant City Manager, or designee, who shall act as the City’s representative during performance of the work for this Contract unless otherwise designated in the task order.

The Contract Administrator for the Consultant is Michael S. Allen, President, who will also serve as the day-to-day contact person. Each party to this Contract agrees to provide written notification within fifteen (15) days, should the representative of either party change during the term of the Contract.

ARTICLE 3 - SCOPE OF WORK

The Consultant shall do, perform, deliver and carry out, in a professional manner, the services as set forth in **Exhibit A, Scope of Services**. The scope of services shall be accomplished through the use of Task Orders as more specifically described herein. Task Orders shall provide information to the Consultant for preparation of a proposal to accomplish a specific project associated with the scope of services.

ARTICLE 4 – TASK ORDERS

The City, at its sole discretion, shall authorize the Consultant in writing to provide services as set forth in **Exhibit A, Scope of Services**. Said authorizations shall take the general form of the Task Order as set forth in **Exhibit C, Task Order for Professional Services**. The City will provide each Task Order request to the Consultant on a project-by-project basis.

**CITY OF COCOA BEACH
AGREEMENT FOR CONTINUING
ENGINEERING AND SURVEYING SERVICES**

ARTICLE 5 – NOTICE TO PROCEED

The Consultant shall commence work upon receipt of a written notice (Task Order) mutually agreed to by the parties.

ARTICLE 6 - PAYMENTS TO CONTRACTOR

The Consultant will invoice the City as described in **Exhibits A** and **Exhibit B** of this Contract, attached hereto and by reference, made part hereof. All invoices received pursuant to this contract will be supported by an approved Task Order. Payment will conform to the schedule agreed to in the Task Order.

Invoices received from the Consultant pursuant to this Contract will be attested and approved by the Contract Administrator, indicating that the services being invoiced are in conformity with the Contract. The invoices will then be sent to the Finance Department for payment. Invoices not in accordance with the terms of the contract will be returned to the Consultant for correction.

The City may at its option, require the Contractor to accept credit card payments or enroll in the City's e-payables program.

Additional services shall be at the rates as set forth in Exhibit B.

ARTICLE 7 - REIMBURSABLES

"Out of pocket" expenses for travel must be pre-authorized by the City and will be paid in accordance with the rates and conditions set forth in Section 112.061, Florida Statutes.

All requests for payment of "out of pocket" expenses must be supported by documentation sufficient to establish that the expense was actually incurred and necessary in the performance of the scope of work specified in a particular project.

ARTICLE 8 - TRUTH-IN-NEGOTIATION CERTIFICATE

Signature of this Contract by the Consultant shall act as the execution of a truth-in-negotiation certificate certifying that the wage and rates and costs used to determine the compensation provided for in this Contract are accurate, complete and current as of the date of the Contract.

ARTICLE 9 - AVAILABILITY OF FUNDS

The obligations of the City under this Contract are subject to the availability of funds lawfully appropriated for its purposes by the City Commission of Cocoa Beach.

**CITY OF COCOA BEACH
AGREEMENT FOR CONTINUING
ENGINEERING AND SURVEYING SERVICES**

ARTICLE 10 – INSURANCE, PERMITS & LICENSES

In the performance of work and services under this Agreement, Contractor agrees to comply with all Federal, State and Local laws and regulations now in effect, or hereinafter enacted during the term of this Agreement that are applicable to Contractor, its employees, agents or subcontractors, if any, with respect to the work and services described herein.

Consultant shall maintain in full force and effect during the life of the Contract, Worker's Compensation insurance covering all employees in performance of work under the Contract. Consultant shall make this same requirement of any of its subcontractors. Contractor shall indemnify and save the City harmless for any damage resulting to them for failure of either Consultant or any subcontractor to take out or maintain such insurance.

The following are required types and minimum limits of insurance coverage that the Consultant agrees to maintain during the term of this Contract:

COVERAGE	MINIMUM LIMITS
General Liability	\$1,000,000 incident
Auto Liability	\$500,000 per person/incident
Professional Liability	\$1,000,000
Worker's Compensation	Statutory

Statutory coverage for Worker's Compensation Insurance means covering all employees and providing benefits as required by Florida Statute, Chapter 440, regardless of the size of the company (number of employees). The Consultant further agrees to be responsible for employment, control and conduct of its employees and for any injury sustained by such employees in the course of their employment.

Consultant will provide copies of his business tax receipt(s) to the Finance Director. Neither Consultant nor any subcontractor shall commence work under this Contract until they have obtained all insurance required under this section and have supplied the City's Contract Administrator with evidence of such coverage in the form of a Certificate of Insurance and endorsement. The Director of Personnel and Risk Management shall approve such certificates.

All insurers shall be licensed to conduct business in the State of Florida. Insurers must have, at a minimum, a policy holders' rating of "A", and a financial class of "VII" as reported in the latest edition of Best's Insurance Reports, unless the City grants specific approval for an exception. All policies provided should be Occurrence, not Claims Made, forms. The Consultant's insurance policies must be endorsed to add the City of Cocoa Beach as an Additional Insured. The Consultant shall be responsible for all deductibles. All of the policies of insurance so required to be purchased and maintained shall contain a provision or endorsement that the coverage afforded shall not be canceled, materially changed or renewal refused until at least thirty (30) calendar days written notice has been given to the City by certified mail.

**CITY OF COCOA BEACH
AGREEMENT FOR CONTINUING
ENGINEERING AND SURVEYING SERVICES**

ARTICLE 11 - INDEMNIFICATION

For other additional consideration, the receipt and sufficiency of which is hereby acknowledged, the Consultant hereby contracts and agrees to indemnify and save harmless and defend the City, its agents, servants and employees from and against any and all claims, liability, losses, and/or cause of action which may arise from any act or omission of the Consultant, its agents, servants, representatives, or employees in the performance of this Contract.

The Consultant further agrees to indemnify, save harmless and defend the City, its agents, servants and employees from and against any claim, demand or cause of action of whatsoever kind or nature arising out of any conduct or misconduct of the Contractor not included in the paragraph above and for which the City, its agents, servants or employees are alleged to be liable.

ARTICLE 12 - SAFETY

Precautions shall be exercised at all times for the protection of all persons (including City employees) and property. The safety provisions of all applicable laws, regulations and codes shall be observed. Hazards arising from the use of vehicles, machinery and equipment shall be guarded or eliminated in accordance with the highest accepted standards of safety. The Consultant and any subcontractors shall comply fully with all requirements of the Occupational Safety and Health Act (OSHA), and any other pertinent Federal, State or Local Statutes, rules or regulations. The Consultant and any subcontractors shall bear full responsibility for payment of any fines or other punishments resulting from violation of any such statutes, rules or regulations.

ARTICLE 13 - NONDISCRIMINATION

The Consultant warrants and represents that it complies with all Federal and State requirements concerning fair employment and will not discriminate by reason of race, color, religion, sex, age, national origin, or physical handicap.

ARTICLE 14 - DRUG FREE WORKPLACE

In accordance with Florida Statutes, §287.087, the Consultant warrants that it is a drug free workplace.

**CITY OF COCOA BEACH
AGREEMENT FOR CONTINUING
ENGINEERING AND SURVEYING SERVICES**

ARTICLE 15 - PUBLIC ENTITY CRIME INFORMATION STATEMENT

A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017 (\$35,000.00), for a period of 36 months from the date of being placed on the convicted vendor list. By execution of this Agreement, the Consultant certifies that it is not a convicted vendor.

ARTICLE 16 - EXCUSABLE DELAYS

The Consultant shall not be considered in default by reason of any failure in performance if such failure arises out of causes reasonably beyond the Consultant's control and without its fault or negligence. Such causes may include, but are not limited to: Acts of God; the City's omissive and commissive failures; natural or public health emergencies; labor disputes; freight embargoes; and severe weather conditions. If failure to perform is caused by the failure of the Consultant's subcontractor(s) to perform or make progress, and if such failure arises out of causes reasonably beyond the control of the Consultant and its subcontractor(s) and is without fault or negligence of either of them, the Consultant shall not be deemed to be in default.

ARTICLE 17 - ARREARS

The Consultant shall not pledge the City's credit or make it guarantor of payment or surety for any contract, debt, obligation, judgment, lien or any form of indebtedness. The Consultant further warrants and represents that it has no obligation for indebtedness that would impair its ability to fulfill the terms of this Contract.

ARTICLE 18 - WARRANTY

The Consultant warrants that all services shall be performed by skilled and competent personnel to the highest professional standards in the field.

ARTICLE 19- ASSIGNMENT

This Contract may not be assigned without the prior written consent of the City. Any attempt to assign this Contract without prior written consent of the City shall render the Contract null and void with respect to the attempted assignee. The City shall not unreasonably withhold consent provided that the Consultant provides City with information it requires including, but not limited to, a sample contract from the proposed assignee, proposed fee schedule, operating history of the assignee and a contact person representing the assignee. The Consultant shall provide this information at least thirty (30) days prior to the target date for assignment.

**CITY OF COCOA BEACH
AGREEMENT FOR CONTINUING
ENGINEERING AND SURVEYING SERVICES**

ARTICLE 20 - DISCLOSURE AND OWNERSHIP OF DOCUMENTS

The Consultant shall deliver to the City for approval and acceptance, and before eligibility for final payment of any amounts due, all documents and materials prepared by and for the City under this Contract.

All written and oral information not in the public domain or not previously known, and all information and data obtained, developed, or supplied by the City or at its expense will be kept confidential by the Consultant and will not be disclosed to any other party, directly or indirectly, without the City's prior written consent unless required by a lawful order. All drawings, maps, sketches, and other data developed, or purchased, under this Contract or at the City's expense shall be and remain its property and may be reproduced and reused at the discretion of the City.

All original notes, designs, drawings, maps, reports, technical papers, and/or other items or data developed by the Consultant in performing under this Contract, along with all copies thereof, shall be prepared exclusively for the City and upon delivery to the City by the Consultant whether at the completion of work, or at any other time, shall become the exclusive property of the City.

No reports, data, programs or other materials produced in whole or in part under this agreement shall be subject to copyright by the Consultant in the United States or in any other country. The City or its assigns shall have the unrestricted authority to publish, disclose, distribute and otherwise use, in whole or in part, for the specific purposes intended, any reports, data, programs or other material prepared under this agreement. All final writings, maps, charts, reports, computer programs, base maps, aerial photography and any other documentation prepared under this agreement, if any, shall become the property of the City after final payment.

ARTICLE 21- INDEPENDENT CONSULTANT

The Consultant agrees that it is an Independent Consultant with respect to the services provided pursuant to this Contract, and not an employee, agent, or servant of the City. All persons engaged in any of the work or services performed shall at all times, and in all places, be subject to the Consultant's sole direction, supervision, and control. The Consultant shall exercise control over the means and manner in which it and its employees perform the work; the City's interest is in the results obtained. Nothing in this agreement shall be considered to create the relationship of employer and employee between the parties.

**CITY OF COCOA BEACH
AGREEMENT FOR CONTINUING
ENGINEERING AND SURVEYING SERVICES**

ARTICLE 22 - SUBCONTRACTORS

No part of this Contract shall be sublet without the prior express written approval of the City. If the Consultant shall sublet any portion of this Contract, the Consultant shall be as fully responsible to the City for acts and omissions of a subcontractor, and of persons either directly or indirectly employed by the subcontractor, as the Consultant is for its own acts and omissions and the acts and omissions of persons employed directly or indirectly by the Consultant. The subcontractor is subject to the same contractual provisions as is the Consultant under this Contract, including but not limited to insurance requirements, records maintenance and audit requirements.

ARTICLE 23 - SEVERABILITY

No inspection by the City, nor any payment for or acceptance of the whole or part of the items in this Contract, nor any extension of time, nor any possession taken by the City of the product or services hereunder shall operate as a waiver of (1) any provision of this Contract, (2) the right to have it fully performed, (3) any power herein reserved to the City, or (4) any right to damages under this Contract. No waiver of any breach of this Contract shall be held to be a waiver of any other breach.

ARTICLE 24 - CONTINGENT FEES

The Consultant warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the Consultant, to solicit or secure this Contract and that it has not paid or agreed to pay any person, company, corporation, individual or firm, other than a bona fide employee working solely for the Consultant, any fee, commission, percentage, gift, or any other consideration contingent upon or resulting from the award or making of this Contract.

ARTICLE 25 - ACCESS AND AUDITS

Intentionally left blank.

ARTICLE 26 - ENTIRETY OF CONTRACTUAL AGREEMENT

The City and the Consultant agree that this Contract sets forth the entire agreement between the parties, and that there are no promises or understandings other than those stated herein and in the Standard Contract Addendum attached hereto as Exhibit "D".

**CITY OF COCOA BEACH
AGREEMENT FOR CONTINUING
ENGINEERING AND SURVEYING SERVICES**

ARTICLE 27 - AMENDMENTS AND MODIFICATIONS

Any cardinal change in the terms and conditions set forth in this Contract must be mutually agreed to by both the City and the Consultant, and may be implemented only after this agreement has been amended in writing.

The City reserves the right to make changes in the work, including alterations, reductions therein or additions thereto. Upon receipt by the Consultant of the City's notification of a contemplated change, the Contractor shall (1) if requested by the City, provide an estimate for the increase or decrease in cost due to the contemplated change, (2) notify the City of any estimated change in the completion date, and (3) advise the City in writing if the contemplated change shall affect the Consultant's ability to meet the completion dates or schedules of this Contract.

If the City so instructs, in writing, the Consultant shall suspend work on that portion of the work affected by a contemplated change, pending the City's decision to proceed with the change. If the City elects to make the change, the City shall issue a Contract Amendment or Change Order and the Consultant shall not commence work on any such change until such written amendment or change order has been issued and signed by each of the parties.

ARTICLE 28 - NOTICE

All notices required in this Contract shall be sent by certified mail, return receipt requested, and if sent to the City, shall be mailed to:

Original : Wayne Carragino
Assistant City Manager
City of Cocoa Beach
P.O. Box 322430
Cocoa Beach, FL 32932-2430

Copy : Robin R. Hayes
City Manager
City of Cocoa Beach
P.O. Box 322430
Cocoa Beach, FL 32932-2430

Notices sent to the Contractor shall be mailed to:

Original : Allen Engineering, Inc.
Attention: Michael S. Allen, President
106 Dixie Lane
Cocoa Beach, FL 32931

**CITY OF COCOA BEACH
AGREEMENT FOR CONTINUING
ENGINEERING AND SURVEYING SERVICES**

ARTICLE 29 - TERMINATION

This Contract may be terminated by the Contractor upon thirty- (30) days prior written notice to the City in the event of substantial failure by the City to perform in accordance with the terms of this Contract through no fault of the Contractor. It may also be terminated by the City with or without cause immediately upon written notice to the Contractor. Unless the Contractor is in breach of this Contract, the Contractor shall be paid for services rendered to the City's satisfaction through the date of termination. After receipt of a Termination Notice and except as otherwise directed by the City, the Contractor shall:

- A. Stop work on the date and to the extent specified.
- B. Terminate and settle all orders and subcontracts relating to the performance of the terminated work.
- C. Transfer all work in process, completed work and other material related to the terminated work to the City, or approved designee.
- D. Continue and complete all parts of the work that have not been terminated.
- E. The Contractor shall be paid for services actually rendered to the date of the termination.

ARTICLE 30 - EXCLUSIVITY

This is not an exclusive Contract. The City may, at its sole discretion, contract with other entities for work similar to that to be performed by the Contractor hereunder.

ARTICLE 31 - REMEDIES

The laws of the State of Florida shall govern this Contract. Any and all legal action necessary to enforce the Contract will be held in Brevard County, Florida. No remedy herein conferred upon any party is intended to be exclusive of any other remedy, and each and every such remedy shall be cumulative and shall be in addition to every other remedy given hereunder or now or hereafter existing at law or in equity or by statute or otherwise. No single or partial exercise by any party of any right, power or remedy hereunder shall preclude any other or further exercise thereof.

ARTICLE 32 - ENFORCEMENT COSTS

If any legal action or other proceeding is brought for the enforcement of this Contract, or because of an alleged dispute, breach, default or misrepresentation in connection with any provisions of this Contract, the successful or prevailing party or parties shall be entitled to recover the reasonable value of its attorney's fees, court costs and all expenses (including taxes) even if not taxable as court costs (including, without limitation, all such fees, costs and expenses incident to appeals), incurred in that action or proceeding, in addition to any other relief to which such party or parties may be entitled.

**CITY OF COCOA BEACH
AGREEMENT FOR CONTINUING
ENGINEERING AND SURVEYING SERVICES**

ARTICLE 33 – E-VERIFY REQUIREMENTS

Consultant acknowledges and agrees to utilize the U.S. Department of Homeland Security's E-Verify System to verify the employment eligibility of,

- a) all persons employed by Consultant to perform employment duties within Florida during the term of the Contract, and,
- b) all persons (including subcontractors/vendors) assigned by Consultant to perform work pursuant to the Contract.

The Consultant acknowledges and agrees that use of the U.S. Department of Homeland Security's E-Verify System during the term of the Contract is a condition of the Contract.

THIS PORTION INTENTIONALLY LEFT BLANK

**CITY OF COCOA BEACH
AGREEMENT FOR CONTINUING
ENGINEERING AND SURVEYING SERVICES**

IN WITNESS WHEREOF, the parties have executed this Contract as of the day and year first above written:

CITY OF COCOA BEACH

Attest:

By:

Loredana Kalaghchy, CMC
City Clerk
City of Cocoa Beach

Date:

Witness :

By:



May 10, 2023

Date:

Signature:

By:

Wayne Carragino
Assisitant City Manager
City of Cocoa Beach

Date:

Contractor Signature:

By:



Allen Engineering, Inc.
Michael S. Allen, President
106 Dixie Lane
Cocoa Beach, FL 32931

May 10, 2023

Date:

**CITY OF COCOA BEACH
AGREEMENT FOR CONTINUING
ENGINEERING AND SURVEYING SERVICES
EXHIBIT A
SCOPE OF SERVICES**

GENERAL SCOPE OF SERVICES:

The City shall make requests of the Consultant to perform engineering and surveying services on a “task” basis. The City will communicate with the Consultant, verbally or in writing, a general description of the task to be performed. If a site visit by the Consultant is needed to generate the scope of work, the Consultant shall request approval prior to the visiting the site. The Consultant will generate a detailed Scope of Work document, prepare a Schedule, and a Not-to-Exceed Budget or Lump Sum Fee to accomplish the task with a detailed cost breakdown based on the hourly scheduled attache as Exhibit B and send the thus developed “Task Proposal” to the City. The detailed cost breakdown of the lump sum fee or not-to-exceed budget shall consist of the major sub-tasks and man-hour breakdown for the work to be performed.

The cost breakdown shall include all sub-consultant work and the Task Proposal shall include the written price from all sub-consultants. The detailed cost breakdown shall include a line item for Reimbursable Expenses and the list of the expenses to be eligible for reimbursement.

The City will review the Task Proposal and if the description, cost and other details of the Task Proposal are deemed by the City to be in the City’s best interests, the parties will enter into a mutually agreeable written “Task Order”. The Scope of Services generally to be provided by the Consultant through a Task Order may include engineering and surveying services for any City project and may contain written terms and conditions which are deemed supplemental to this Agreement.

The City will issue a notice to proceed to the Consultant in the form of a letter and an executed City purchase order. Upon receipt of the Task Order and the written notice to proceed from the City, the Consultant shall perform the services set forth in the Task Order.

**CITY OF COCOA BEACH
AGREEMENT FOR CONTINUING
ENGINEERING AND SURVEYING SERVICES
EXHIBIT B
FEE SCHEDULE**

No payments will be made under this contract until all the insurance; permit & license requirements in Article 7 have been met.

Task Orders will be prepared using the rates shown on the following page. These rates are part of the RFP submission and are incorporated into this agreement.

Allen Engineering Proposed Hourly Rates

Engineering

Sr. Engineer (P.E.) / Project Manager	\$ 160.00
Senior Engineer (P.E.)	\$ 140.00
Project Engineer (P.E.)	\$ 130.00
Design Engineer	\$ 110.00
Engineer CAD Technician	\$ 95.00
Administrative Technician	\$ 75.00
Chief Engineer / Principal	\$ 175.00

CEI

Inspector I	\$ 65.00
Inspector II	\$ 80.00
Senior Inspector I	\$ 95.00
Senior Inspector II	\$ 110.00
Specialist (Materials, Contract, IT, etc.)	\$ 125.00
Project Administrator I	\$ 140.00
Project Administrator II	\$ 160.00
Inspection Manager	\$ 190.00
Resident Engineer	\$ 225.00

Environmental

Environmental Scientist I	\$ 80.00
Environmental Scientist II	\$ 90.00
Environmental Scientist III	\$ 115.00
Chief Environmental Scientist	\$ 130.00
Senior Ecologist	\$ 210.00

Ground Penetrating Radar (GPR) Services

GPR Technician Crew	\$ 120.00
2-Person GPR/Concrete Imaging Crew	\$ 185.00

Survey & Mapping

2-Person Survey Crew	\$ 130.00
3-Person Survey Crew	\$ 160.00
Survey CAD Technician	\$ 95.00
Surveyor Technician	\$ 110.00
Professional Surveyor & Mapper	\$ 150.00
Mobile LiDAR Daily Rate (Equipment)	\$4,500.00
Unmanned Autonomous System Operator	\$ 155.00
Unmanned Autonomous System Technician	\$ 95.00
UAS LiDAR Daily Rate (Equipment)	\$1,500.00

Subsurface Utility Engineering (SUE)

1-Person Utility Designate/Locate Crew	\$ 120.00
2-Person Utility Designate/Locate Crew	\$ 185.00
3-Person Vacuum Excavation S.U.E. Crew	\$ 240.00
4-Person Vacuum Excavation S.U.E. Crew	\$ 285.00
S.U.E. Project Manager	\$ 180.00
Senior S.U.E. Manager	\$ 220.00
Utility Locate Technician	\$ 150.00
Senior S.U.E. Tech	\$ 120.00

GIS

GIS Technician	\$ 65.00
GIS Analyst I	\$ 80.00
GIS Analyst II	\$ 95.00
GIS Analyst III	\$ 145.00
GIS Project Manager	\$ 140.00
GIS Senior Project Manager	\$ 185.00

**CITY OF COCOA BEACH
AGREEMENT FOR CONTINUING
ENGINEERING AND SURVEYING SERVICES
EXHIBIT C**

TASK ORDER FOR PROFESSIONAL SERVICES

Sample Task Order is shown on next page. This form is to be used for work authorized under this contract.

TASK ORDER # _____ **CONTRACTOR** _____

Description Of Services & Rates (use additional pages as necessary)

LUMP SUM PRICE _____

WORK AUTHORIZED:

ACCEPTED:

City: : _____
Contract Administrator

Contractor: _____
Contract Administrator

Date: _____

Date: _____

WORK COMPLETED:

City's Contract Administrator

Date: _____

Distribution : City; original to Contract Administrator
 Contractor; copy

**CITY OF COCOA BEACH
AGREEMENT FOR CONTINUING
ENGINEERING AND SURVEYING SERVICES**

**EXHIBIT D
CITY OF COCOA BEACH, FLORIDA
STANDARD CONTRACT ADDENDUM**

THIS STANDARD CONTRACT ADDENDUM is made and entered into this _____ day of _____, 23____, by and between the CITY OF COCOA BEACH, a Florida municipality, hereinafter referred to as the “City”, and _____, hereinafter referred to as “Contractor”, concerning that certain agreement entitled _____, dated _____ (“Agreement”).

WITNESSETH:

WHEREAS, Section 119.0701, Fla. Stat., requires that certain public agency contracts must include certain statutorily required provisions concerning the contractor’s compliance for Florida’s Public Records Act; and

WHEREAS, Section 768.28, Fla. Stat., sets forth certain mandatory limitations on indemnification and liability for Florida public agencies; and

WHEREAS, Florida law requires that public agency contracts be subject to non-appropriation and thereby contingent upon appropriation during the public agency’s statutorily mandated annual budget approval process.

NOW, THEREFORE, in consideration of the covenants set forth herein, the parties agree to this addendum as follows:

1. Amendment. This Addendum hereby amends and supplements the terms of the Agreement. In the event of a conflict between the terms of the Agreement and terms of the Addendum, the terms of the Addendum shall prevail.

2. Public Records Compliance. Contractor agrees that, to the extent that it may "act on behalf" of the City within the meaning of Section 119.071(1)(a), Florida Statutes in providing its services under this Agreement, it shall:

- (a) Keep and maintain public records required by the public agency to perform the service.
- (b) Upon request from the public agency’s custodian of public records, provide the public agency with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in this chapter or as otherwise provided by law.
- (c) Ensure that public records that are exempt or confidential and exempt from public

**CITY OF COCOA BEACH
AGREEMENT FOR CONTINUING
ENGINEERING AND SURVEYING SERVICES**

records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the public agency.

- (d) Upon completion of the contract, transfer, at no cost, to the public agency all public records in possession of the contractor or keep and maintain public records required by the public agency to perform the service. If the contractor transfers all public records to the public agency upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon completion of the contract, the contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the public agency, upon request from the City's custodian of public records, in a format that is compatible with the information technology systems of the City.
- (e) Pursuant to Section 119.0701(2)(a), Fla. Stat., **IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**CITY HALL - FIRST FLOOR
2 S. ORLANDO AVE.
P.O. BOX 322430
COCOA BEACH, FL 32932-2430.
321-868-3286,
CITYCLERK@CITYOFCOCOABEACH.COM**

3. Public Records Compliance Indemnification. Contractor agrees to indemnify and hold the City harmless against any and all claims, damage awards, and causes of action arising from the contractor's failure to comply with the public records disclosure requirements of Section 119.07(1), Florida Statutes, or by contractor's failure to maintain public records that are exempt or confidential and exempt from the public records disclosure requirements, including, but not limited to, any third party claims or awards for attorneys' fees and costs arising therefrom. Contractor authorizes the public agency to seek declaratory, injunctive, or other appropriate relief against Contractor in Brevard County Circuit Court on an expedited basis to enforce the requirements of this section.

4. Compliance/Consistency with Section 768.28, Fla. Stat. Any indemnification by City specified in the Agreement shall not be construed as a waiver of City's sovereign immunity, and shall be limited to such indemnification and liability limits consistent with the requirements of Section 768.28, Fla. Stat. and subject to the procedural requirements set forth therein. Any other purported indemnification by City in the Agreement in derogation hereof shall be void and of no

**CITY OF COCOA BEACH
AGREEMENT FOR CONTINUING
ENGINEERING AND SURVEYING SERVICES**

force or effect.

5. Non-appropriation. City's performance and obligation to pay under this Agreement is contingent upon an appropriation during the City's annual budget approval process. If funds are not appropriated for a fiscal year, then the Contractor shall be notified as soon as is practical by memorandum from the City Manager or designee that funds have not been appropriated for continuation of the Agreement, and the Agreement shall expire at the end of the fiscal year for which funding has been appropriated. The termination of the Agreement at fiscal year end shall be without penalty or expense to the City subject to the City paying all invoices for services rendered during the period the Agreement was funded by appropriations.

6. Venue and Jurisdiction. Notwithstanding any of other provision to the contrary, this Agreement and the parties' actions under this Agreement shall be governed by and construed under the laws of the state of Florida, without reference to conflict of law principles. As a material condition of this Agreement, each Party hereby irrevocably and unconditionally: i) consents to submit and does submit to the jurisdiction of the Circuit Court in and for Brevard County, Florida for any actions, suits or proceedings arising out of or relating to this Agreement.

IN WITNESS WHEREOF, the parties hereto have executed and delivered this instrument on the days and year indicated below and the signatories below to bind the parties set forth herein.

Contractor:

Print Name: _____

Title: _____

Company: _____

City of Cocoa Beach

Print Name: _____

ORDINANCE NO. 1699

AN ORDINANCE OF THE CITY OF COCOA BEACH, FLORIDA, ADDING A NEW SECTION 26-14, "PARKING ON CITY OWNED OR LEASED PROPERTY", OF ARTICLE I, "IN GENERAL", OF CHAPTER 26, "TRAFFIC", OF THE CODE OF ORDINANCES OF THE CITY OF COCOA BEACH; PROVIDING PROVISIONS FOR PARKING ON CITY OWNED OR LEASED PROPERTY; AND PROVIDING FOR CONFLICTS, CODIFICATION, SEVERABILITY, AND AN EFFECTIVE DATE.

WHEREAS, the City Commission of the City of Cocoa Beach finds it appropriate to provide regulations for parking on City owned or leased property; and

WHEREAS, the City Commission adopts this ordinance under its police powers for the health, safety and welfare of the City and its residents and visitors.

NOW, THEREFORE, BE IT ENACTED BY THE CITY COMMISSION OF THE CITY COCOA BEACH:

SECTION 1. Enactment. A new Section 26-14, "Parking on City owned or Leased Property", of Article I, "In general", of Chapter 26, "Traffic", of the Code of Ordinances of the City of Cocoa Beach is hereby created to read as set forth in the attached Exhibit "A" with underlined text added, and ~~stricken~~ text deleted.

SECTION 2. Conflicts. All ordinances, resolutions, official determinations, or parts thereof previously adopted or entered by the City or any of its officials and in conflict with this Ordinance are repealed to the extent inconsistent herewith.

SECTION 3. Codification. The provisions of this Ordinance shall be codified as and become and be made a part of the City Code of the City of Cocoa Beach.

SECTION 4. Severability. If any section, sentence, clause, or other provision of this Ordinance, shall be held to be invalid or unconstitutional by a court of competent jurisdiction, such portion shall be deemed a separate, distinct and independent provision, and such holding of invalidity or unconstitutionality shall not be construed as to render invalid or unconstitutional the remaining sections, sentences, clauses, or provisions of this Ordinance, which shall remain in full force and effect.

SECTION 6. Effective Date. This ordinance shall take effect upon adoption.

Adopted by the City Commission on this _____ day of _____, 2025.

CITY OF COCOA BEACH

Keith Capizzi, Mayor-Commissioner

ATTEST:

Karin Grooms, City Clerk

Sec. 5-21 - Parking on city owned or leased property.

- (a) Whenever the city manager shall determine that the orderly, efficient conduct of the city's business or public safety requires that parking or standing of vehicles on city owned or leased property be prohibited, limited or restricted, the city manager shall have the power and authority to order signs to be erected or posted, and to install and have maintained parking space markings, indicating that the parking of vehicles is thus prohibited, limited or restricted.
- (b) The prohibitions, limitations or restrictions authorized by this section may include, but not be limited to, establishing designated or prohibited parking spaces, establishing tow zones, requiring city issued decals affixed to a vehicle, limiting parking to certain days and hours, limiting the size of vehicles, requiring directional parking, establishing loading zones and enforcing any ordinance, rule or regulation adopted by the city commission.
- (c) When signs or parking space markings are in place, giving notice of such prohibition, limitation or restriction authorized hereunder, no person shall park or stand any vehicle contrary to the directions or provisions of such signs or parking space markings.

City of Cocoa Beach City Commission Agenda Item Summary

**DEPARTMENT MAKING
REQUEST/NAME:**

City Manager /
AJ Hutson, City Manager

MEETING DATE

August 7, 2025

REQUESTED MOTION/ACTION

Request the Commission's action on the following items related to the ongoing City Manager search process:

1. **Designate a Point of Contact** for Colin Baenziger & Associates to facilitate coordination throughout the City Manager recruitment and interview process.
2. **Approve the following dates** for the next steps in the interview process: (City Attorney process of determining candidates to be interviewed)
 - **August 19, 2025, at 6:00 p.m. – *Special Meeting*** for the Commission to select the finalists for interview. **The *Budget Workshop* will immediately follow this meeting.**
 - **August 28–29, 2025** – The City and Commission will host final interview activities and events with the selected finalists.

Representative: Colin Baengizer & Associates

Recommendation: Designate a Commission point of contact and confirm the dates outlined above.

IS THIS ITEM BUDGETED (IF APPLICABLE)?

n/a

BACKGROUND:

City Commission hired by Colin Baezinger to represent the City of Cocoa Beach in the search for a City Manager.

City of Cocoa Beach City Commission Agenda Item Summary

**DEPARTMENT MAKING
REQUEST/NAME:**

City Attorney /
Becky Vose, City Attorney

MEETING DATE

August 7, 2025

REQUESTED MOTION/ACTION

Adopt Resolution 2025-20, A Resolution of the City Commission of the City of Cocoa Beach, Florida, Designating an Emergency Contact and an Alternate Emergency Contact under section 252.38(3)(a), Florida Statutes: providing for notification of the same; and providing for an effective date.

Emergency Contact: Fire Chief Justin Grimes

Alternate Emergency Contact: Police Chief Wes Mullins

Staff Representative: Becky Vose, City Attorney, AJ Hutson, Interim City Manager
Recommendation: Adopt

IS THIS ITEM BUDGETED (IF APPLICABLE)?

n/a

BACKGROUND:

Under the newly amended Section 252.38(3)(a), Florida Statutes (2025), each political subdivision in the State must notify the Division of Emergency Management within the Executive Office of the Governor, or the successor to that division, on or before May 1 of each year of the person designated as the emergency contact for the political subdivision and his or her alternate and of any changes in persons so designated thereafter.

RESOLUTION NO: 2025-20

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF COCOA BEACH, FLORIDA, DESIGNATING AN EMERGENCY CONTACT AND AN ALTERNATE EMERGENCY CONTACT UNDER SECTION 252.38(3)(a), FLORIDA STATUTES; PROVIDING FOR NOTIFICATION OF SAME; AND PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, on June 26, 2025, the Governor approved Senate Bill 180 (“SB 180”), which amended, in pertinent part, certain statutory provisions related to the designation of emergency contacts, as set forth in the newly amended Section 252.38(3)(a), Florida Statutes (2025); and

WHEREAS, under the newly amended Section 252.38(3)(a), Florida Statutes (2025), each political subdivision in the State must notify the Division of Emergency Management within the Executive Office of the Governor, or the successor to that division, on or before May 1 of each year of the person designated as the emergency contact for the political subdivision and his or her alternate and of any changes in persons so designated thereafter.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF COCOA BEACH, FLORIDA AS FOLLOWS:

SECTION 1. DESIGNATION OF EMERGENCY CONTACT AND ALTERNATE EMERGENCY CONTACT. The City Commission hereby designates the following individuals to serve as the City’s emergency contact and alternate emergency contract, respectively, as specified in Section 252.38(3)(a), Florida Statutes (2025):

Emergency Contact: Fire Chief Justin Grimes

Alternate Emergency Contact: Police Chief Wes Mullins

SECTION 2. NOTIFICATION TO THE DIVISION OF EMERGENCY MANAGEMENT. The Acting City Manager shall notify the Division of Emergency Management within the Executive Office of the Governor, or the successor to that division, of the person designated as the emergency contact for the City and his or her alternate and of any changes in persons so designated thereafter.

SECTION 3. EFFECTIVE DATE. This Resolution shall take effect immediately upon its adoption and passage.

PASSED AND ADOPTED at the meeting of the City Commission of the City of Cocoa Beach duly assembled on the ____ day of _____, 2025.

ATTEST:

CITY OF COCOA BEACH

Karin Grooms, City Clerk

Keith Capizzi, Mayor

City of Cocoa Beach City Commission Agenda Item Summary

**DEPARTMENT MAKING
REQUEST/NAME:**

Water Reclamation /
Brad Kalsow, Director of Water Reclamation

MEETING DATE

August 7, 2025

REQUESTED MOTION/ACTION

Accept the Engineers Recommendation of Award for the bid submitted by Southern Underground Industries, Inc. in the amount of \$2,782,833 for bid #CB25-001, Lift Station 3, 6 & 15 Rehabilitation Project. Allow staff to enter into contract with Southern Underground Industries, Inc. This is a budgeted Capital Project.

Staff Representative: Brad Kalsow, Water Reclamation and Public Works Director

Recommendation: Approve

IS THIS ITEM BUDGETED (IF APPLICABLE)?

Budgeted money in account 431-4314-537-63-20. Pending on the construction start date, money has been allocated in FY26 proposed budget as well.

BACKGROUND:

The City's adopted Strategic Plan for Wastewater Improvements included upgrades to City Lift Stations. The City has 17 Lift Stations in total and 9 of them are being looked at for improvement over the next 5 years. Staff have determined to start with these three Lift Stations and budget the others for future years.

The existing Lift Station #3 is a duplex lift station with a fiberglass wet well located on City of Cocoa Beach property (parcel number 25-37-23-78-19.B-1) at the corner of 13th Street and Florida State Road A1A. The City is seeking to improve the lift station by rehabilitating it and bringing it up to current City standards. Kimley-Horn was tasked with design and engineering to remove the existing valve vault and replace the valve vault piping by bringing the piping assembly above grade with stainless steel, replace wet well piping and float system, and electrical and instrumentation upgrades to the control panel, cabinet and PLC.

The existing City Lift Station #6 is a duplex lift station located on property owned by the City via quit-claim deed from the School Board of Brevard County. The City is seeking to improve the lift station by rehabilitating the lift station by bringing it up to current City standards. Kimley-Horn was tasked with design and engineering to remove the existing valve vault and replace the valve vault piping by bringing the piping assembly above grade with stainless steel piping, replace wet well piping and float system, and request electrical and instrumentation upgrades to the control panel, cabinet and PLC.

The existing Lift Station #15 is a duplex lift station with a fiberglass wet well located just west of the intersection of S 29 Street and S. Atlantic Ave (A1A). The City is seeking to improve the lift station by rehabilitating it and bringing it up to current City standards. Kimley-Horn was tasked with design and engineering to remove the existing valve vault

and replace the valve vault piping by bringing the piping assembly above grade with stainless steel piping, replace wet well piping and float system, and request electrical and instrumentation upgrades to the control panel, cabinet and PLC. Additionally, due to the proximity of the lift station location to the Banana River and previous issues with storm surges impeding access, the City would like to raise the top slab of the wet well and add a permanent Generator.

Kimley-Horn has evaluated bids received for CB25-001 and are recommending Southern Underground Industries, Inc. in the amount of \$2,782,833 for award of this project.

Bid tabs and recommendation letter are attached with this agenda item.

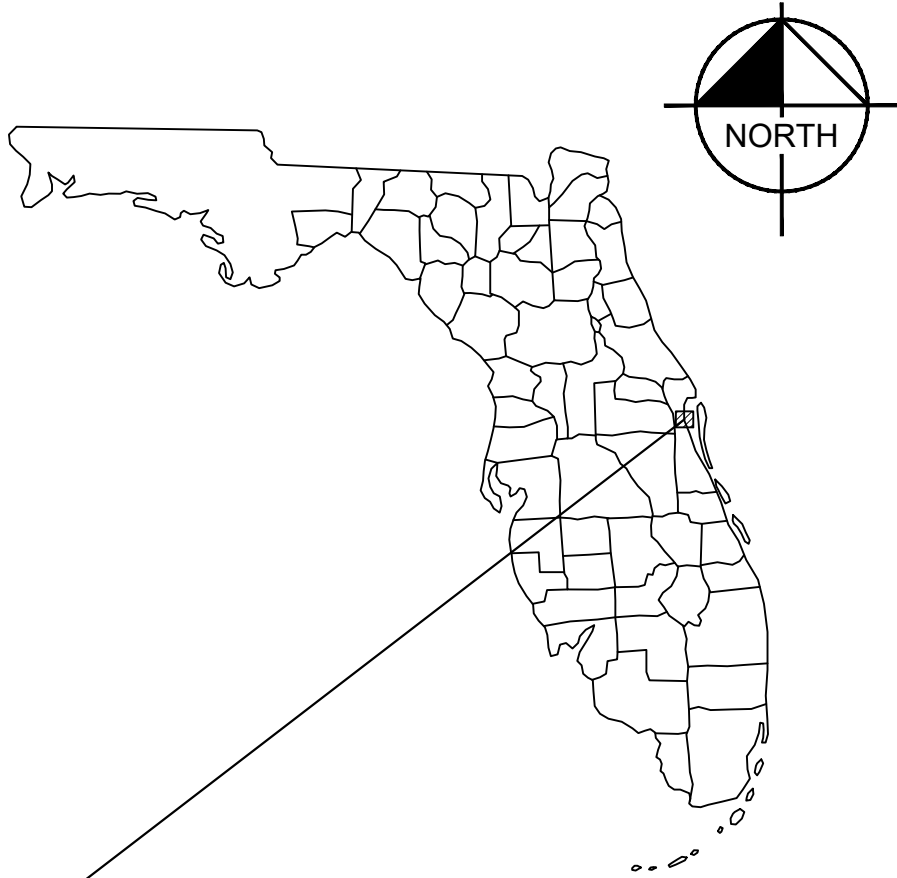
CONSTRUCTION PLANS

FOR

LIFT STATION 3 REHABILITATION

PREPARED FOR
CITY OF COCOA BEACH

BID NO. CB25-001
PROJECT NO. 14765001



MAY 2025



PROJECT VICINITY MAP
N.T.S.

BID SET

PREPARED BY
Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
7341 OFFICE PARK PLACE, SUITE 102
MELBOURNE, FL 32940
PHONE (321) 430-1130
WWW.KIMLEY-HORN.COM CA 00035106

INDEX OF DRAWINGS	
GENERAL	
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G-2	GENERAL NOTES
G-3	GENERAL NOTES
G-4	SYMBOLS AND ABBREVIATIONS
DEMO	
DE-1	DEMO PLAN
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DETAILS	
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PCP-3	PCP DIAGRAM - 3
PCP-4	PCP DIAGRAM - 4
RTU-1	RTU DIAGRAM - 1
RTU-2	RTU DIAGRAM - 2
RTU-3	RTU DIAGRAM - 3
RTU-4	RTU DIAGRAM - 4

OWNER:
CITY OF COCOA BEACH
WATER RECLAMATION DEPARTMENT
1600 MINUTEMEN CAUSEWAY
COCOA BEACH, FL 32931
CONTRACT: BRAD KALSOW
321-868-3308

ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC.
7341 OFFICE PARK PLACE, SUITE 102
MELBOURNE, FLORIDA 32940
CONTACT: TUCKER HUNTER, P.E.
407-982-3064

NOTES:

PRIOR TO ANY EXCAVATIONS THE CONTRACTOR SHALL COMPLY WITH THE UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT PER CHAPTER 556 OF FLORIDA LAW. CALL THE "SUNSHINE STATE ONE-CALL CENTER" 1-800-432-4770 FOR UNDERGROUND UTILITY LOCATIONS.

THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

THE SITE CONSTRUCTION STAKEOUT SHALL BE PERFORMED UNDER THE DIRECTION OF A FLORIDA REGISTERED SURVEYOR. AUTOCAD FILES WILL BE FURNISHED TO AID IN THE SITE CONSTRUCTION STAKEOUT. ANY DISCREPANCIES FOUND BETWEEN AUTOCAD FILES AND SITE CONSTRUCTION PLANS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR CLARIFICATION PRIOR TO THAT STAKEOUT.

PROJECT DESCRIPTION:

THIS PROJECT CONSISTS OF THE REHABILITATION OF THE EXISTING LIFT STATION 3. THE EXISTING WET WELL RISER PIPING, VALVE VAULT AND PIPING, EXISTING POWER POLE AND CONTROL PANEL WILL BE REMOVED. NEW RISER PIPING WILL BE INSTALLED BY CORE DRILLING THROUGH THE EXISTING WET WELL TOP SLAB, ALONG WITH ABOVE GROUND PIPING ASSEMBLY. APPROXIMATELY 20 LF OF 6" FORCE MAIN WILL BE CONSTRUCTED TO CONNECT THE PROPOSED SYSTEM TO THE EXISTING 6" FORCE MAIN WITHIN THE PROPERTY. THIS PROJECT ALSO CONSISTS OF A NEW CONTROL PANEL AND RACK AND OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE EXISTING ANTENNA WILL BE MOVED TO THE PROPOSED NEW LOCATION.

					THIS DOCUMENT IS PROTECTED BY SECTION 106 OF THE "UNITED STATES COPYRIGHT ACT". REPRODUCTION OR ALTERATION OF THIS DOCUMENT OR THE INFORMATION CONTAINED HEREON BY ANY MEANS WHATSOEVER IS STRICTLY PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF KIMLEY-HORN AND ASSOCIATES, INC. CONSENT IS HEREBY GRANTED SPECIFICALLY TO GOVERNMENTAL AGENCIES TO REPRODUCE THIS DOCUMENT IN COMPLIANCE WITH F.S. CHAPTER 119.		A. TUCKER HUNTER FLORIDA LICENSE NUMBER: 88634 DATE:		DATE MAY 2025
									PROJECT NO. 14765001
									SHEET NUMBER
									G-1
0	BID SET		5/7/2025	CPV					
No.	REVISIONS		DATE	BY					

Plotted By:McClure, Amanda Sheet Set:LIFT STATION C-17 REPLACEMENT Layout:G-3 May 07, 2025 03:05:16pm \\kimley-horn.com\\L\\OR\\02\\OR\\Utilities\\47965 - Cocoa Beach\\47965001 - Lift Station 3 Rehabilitation\\CADD\\PlanSheets\\G - GENERAL NOTES.dwg

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

37. THE FORCE MAIN SHALL BE INSTALLED AS NOTED ON THE PLANS. WHERE APPLICABLE, A HORIZONTAL SEPARATION OF AT LEAST 10’ SHALL BE MAINTAINED BETWEEN WATER AND SEWER LINES. WHEN WATER AND SEWER LINES CROSS WITH LESS THAN AN 18” VERTICAL SEPARATION, THE PVC SEWER LINE SHALL BE ENCASED IN CONCRETE OR DUCTILE IRON PIPE USED IN LIEU OF PVC PIPE FOR A DISTANCE OF 10’ EITHER SIDE OF THE CROSSING.
38. ALL PLUGS, CAPS, TEES, BENDS, VALVES, ETC., SHALL BE PROVIDED WITH RESTRAINED JOINTS OR THRUST BLOCKS (RESTRAINED JOINTS PREFERRED). FOR THRUST BLOCK OR RESTRAINED JOINT CONSTRUCTION DETAILS, REFER TO THE UTILITY DETAILS AND TABLES.
39. CONNECTIONS TO MANHOLES WITH FORCE MAINS SHALL BE MADE BY CORE BORE AND LINK SEAL OR OTHER APPROVED CONNECTION. CONNECTIONS SHALL BE MADE WATERTIGHT AND BE INSTALLED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS.
40. THE CONTRACTOR SHALL PROVIDE VERTICAL AND HORIZONTAL “AS–BUILT” INFORMATION RELATIVE TO ALL CONSTRUCTED UTILITIES AND STRUCTURES.
41. AS–BUILT INFORMATION FOR THE FORCE MAIN SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING

1. LOCATION OF ALL VALVES, FITTINGS, ETC.

2. LOCATION OF THE FORCE MAIN TIED HORIZONTALLY TO THE BACK OF CURB OR EDGE OF PAVEMENT.

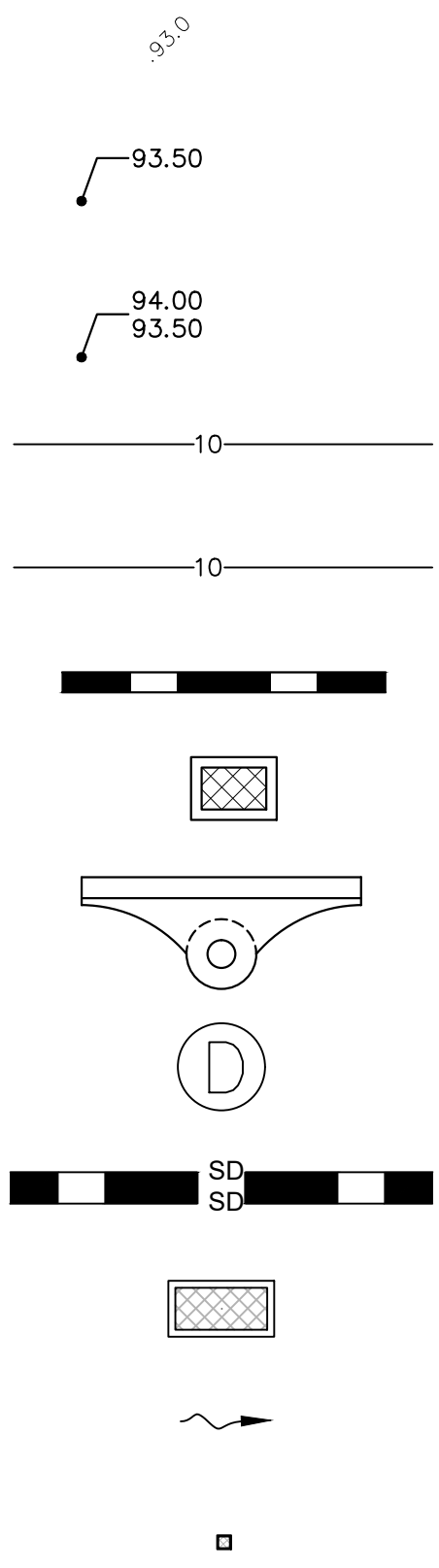
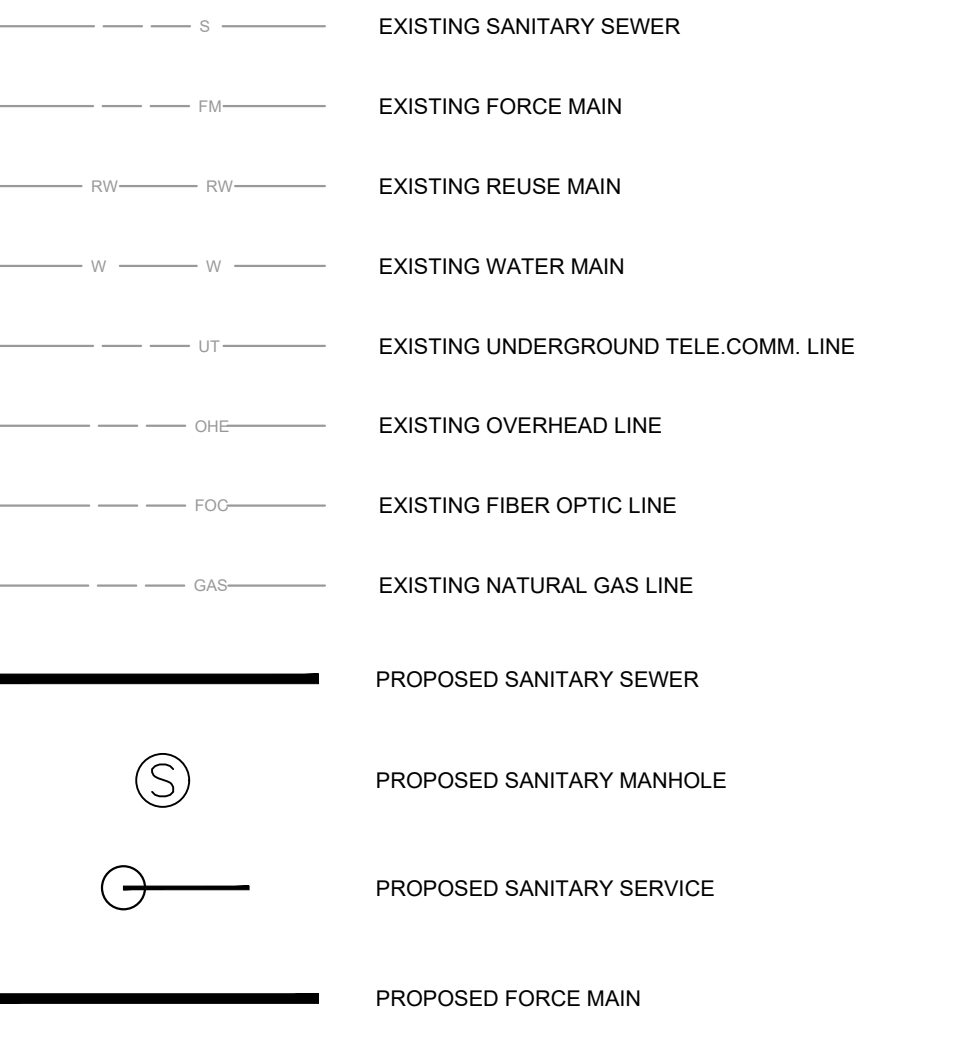
3. CERTIFICATION AS TO THE SYSTEM MEETING THE MINIMUM COVER REQUIREMENTS.

4. HORIZONTAL AND VERTICAL DATA FOR ANY CONSTRUCTION WHICH DEVIATES FROM THE APPROVED ENGINEERING DRAWINGS.

5. ASSET TABLES ARE REQUIRED USING FLORIDA STATE PLANE NORTHING & EASTING FOR ALL MAINS AT 100’ INTERVALS AND VALVES.

				 © 2025 KIMLEY–HORN AND ASSOCIATES, INC. 7341 OFFICE PARK PLACE, SUITE 102, MELBOURNE, FL 32940 PHONE: 321–430–1138 WWW.KIMLEY–HORN.COM REGISTRY NO. 35106	KHA PROJECT 147965001 DATE MAY 2025 SCALE AS SHOWN DESIGNED BY AJC DRAWN BY CPV CHECKED BY ATH	LIFT STATION 3 REHABILITATION PREPARED FOR CITY OF COCOA BEACH FLORIDA	LICENSED PROFESSIONAL A. TUCKER HUNTER 88634 DATE:	GENERAL NOTES	SHEET NUMBER G-3
0	BID SET	5/7/2025	CPV						
No.	REVISIONS	DATE	BY						

Plotted By:McClure, Amanda Sheet Set: LIFT STATION 3-17 REPLACEMENT Layout: G-4 May 07, 2025 03:05:28pm \\kimley-horn.com\EL-02\ORL-Utilities\47965\001 - Lift Station 3 Rehabilitation CAD\PlanSheet\G- Symbols and Abbreviations.dwg
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CIVIL SYMBOLS LEGEND		PROCESS PIPING LEGEND (SINGLE-LINE)	
	EXISTING SPOT ELEVATION PROPOSED ELEVATION PROPOSED TOP OF CURB/ PAVEMENT ELEVATION EXISTING CONTOUR PROPOSED CONTOUR PROPOSED STORM PIPE PROPOSED GRATE INLET PROPOSED CURB INLET PROPOSED STORM MANHOLE EXISTING STORM PIPE EXISTING GRATE INLET PROPOSED DIRECTION OF SURFACE WATER RUNOFF PROPOSED YARD DRAIN		EXISTING SANITARY SEWER EXISTING FORCE MAIN EXISTING REUSE MAIN EXISTING WATER MAIN EXISTING UNDERGROUND TELECOMM. LINE EXISTING OVERHEAD LINE EXISTING FIBER OPTIC LINE EXISTING NATURAL GAS LINE PROPOSED SANITARY SEWER PROPOSED SANITARY MANHOLE PROPOSED SANITARY SERVICE PROPOSED FORCE MAIN

DRAFTING LEGEND

NOTE (TYP)

NOTE

VIEWPORT OR FEATURE BREAK INDICATOR

VIEW FRAME EXTENT (WITH DRAWING LOCATION REFERENCE)

SEE SHEET xxx

STANDARD NORTH ARROW (ROTATED AS REQUIRED)

NORTH ARROW

GRAPHIC SCALE IN FEET

HORIZONTAL

HALF VIEWPORT SCALE

FULL VIEWPORT SCALE

DOUBLE VIEWPORT SCALE

PROCESS PIPING LEGEND (DOUBLE-LINE OR 3D)

SYMBOL		DESCRIPTION	SYMBOL		DESCRIPTION
PRIMARY	SECONDARY	MECHANICAL JOINT FITTINGS	PRIMARY	SECONDARY	GLOBE CHECK VALVE (FLANGED SHOWN)
					SWING CHECK VALVE (FLANGED SHOWN)
		FLANGED FITTINGS			
		SOLVENT WELD FITTINGS			PIPE COUPLING
		BUTT-WELD FITTINGS (S STL SHOWN)			EXPANSION JOINT, FLANGED
		BALL VALVE (SOLVENT WELD SHOWN)			FLOW CONTROL VALVE (FLANGED SHOWN)
		GATE VALVE (FLANGED SHOWN)			MAGNETIC FLOW METER (FLANGED SHOWN)
		PLUG VALVE (FLANGED SHOWN)			PROPELLER FLOW METER (FLANGED SHOWN)
		BUTTERFLY VALVE (FLANGED SHOWN, WHEEL OPERATED)			V-CONE FLOW METER (FLANGED SHOWN)
		BUTTERFLY VALVE (WAFER, LEVER OPERATED)			VENTURI FLOW METER (FLANGED SHOWN)

DETAIL/SECTION REFERENCES

SECTION CUT AND DIRECTION TAIL (ROTATED AS REQUIRED)

OPTIONAL HAT (INDICATES VIEW DIRECTION)

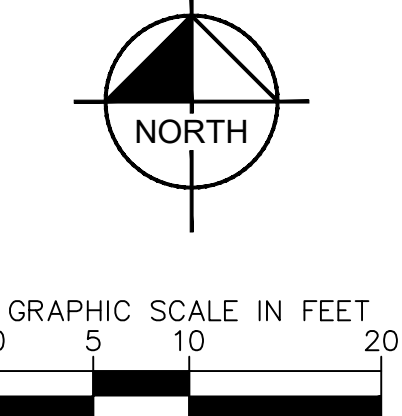
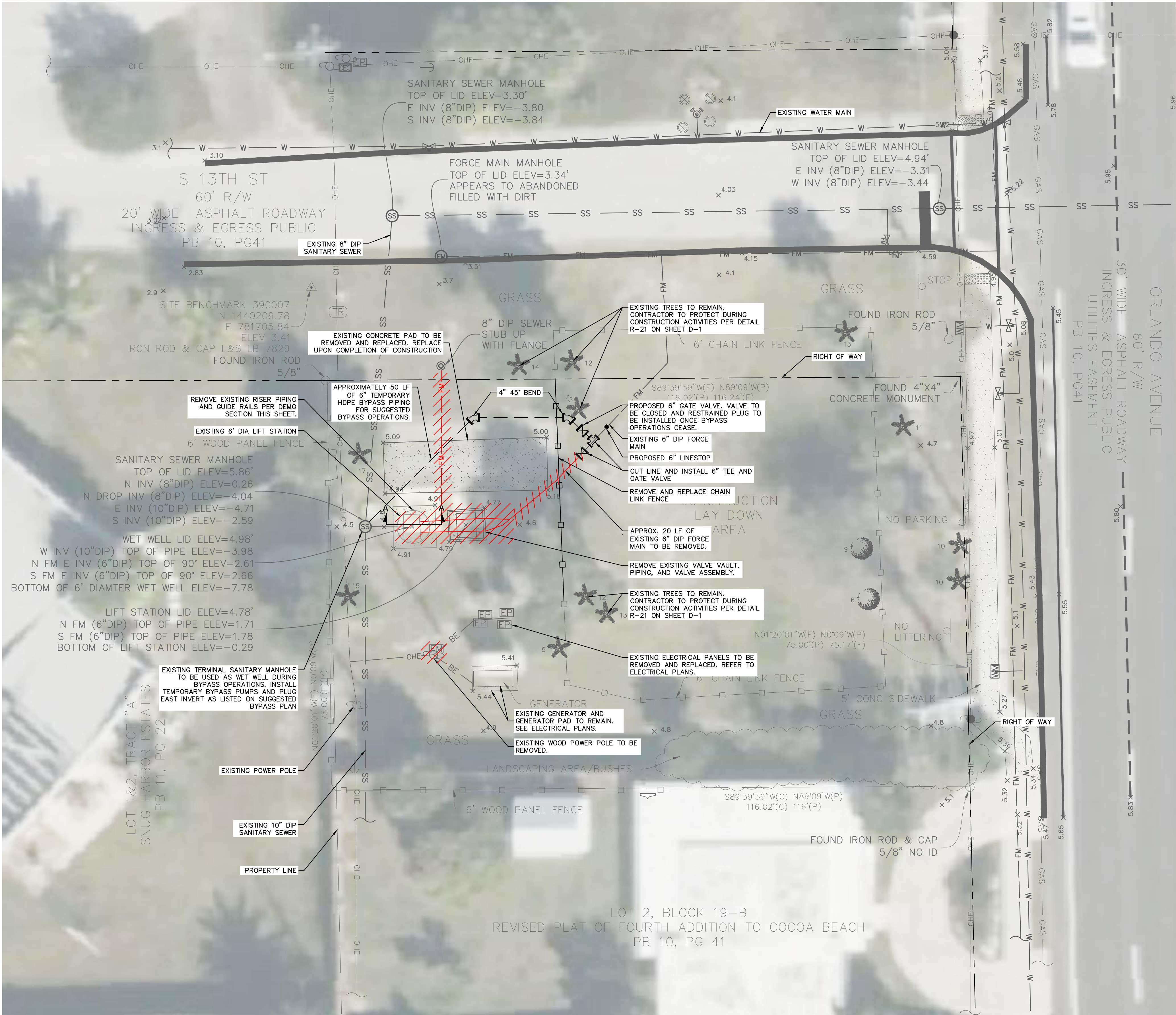
SECTION OR DETAIL NUMBER/LETTER

DETAIL

STANDARD ABBREVIATIONS							
(A)ARV A/C A/VV AAV ABAN ACT ABFV ABRSV ABS AB-xx ACCOMP ACCV ACP ADH ADJ AFF AFG AFS AG AIR AL ALT AMM AOD APPROX AS ASSY B/W BCV BF BFP BFV BGO BI BIP BITUM BLDG BM BOC BOS BOT BSF BTWN BV BW BWW B-xx C&G C.F. C.I. C.Y. C/C CA CAP CATV CAV CBP CCC CE CFM CFS CI CIP CISP CJ CL CL2 CLF CLR CMP CMPA CO CO2 COAG CONC CONN CONSTR CONT COP CP CPA CPLG CPP CPVC CR CS CV CYL D DEG DEMO DF DI DIA DIAG DIM DIP DIR DISCH DJ DMH DN DR DW DWG DWV E E.F. E.W. EA ECC EFF EGO	(A)UTOMATIC AIR RELEASE VALVE AIR CONDITIONING AIR/VACUUM AIR VALVE AUTOMATIC AIR VENT ABANDON(ED) ACTUATED BUTTERFLY VALVE ABRASIVE ACRYLONITRILE BUTADIENE STYRENE AUGER BORING (e.g. AB-1) ASPHALT-COATED CORRUGATED METAL PIPE AIR CUSHION CHECK VALVE ASBESTOS CEMENT PIPE ADHESIVE ADJUSTABLE ABOVE FINISHED FLOOR ABOVE FINISHED GRADE ABOVE FINISHED SLAB AMMONIA GAS AIR PIPE ALUMINUM ALTERNATE AMMONIATOR ANGLE OF DEFLECTION APPROXIMATE AMMONIA SOLUTION ASSEMBLY BOTH WAYS BALL CHECK VALVE BLIND FLANGE BACKFLOW PREVENTER BUTTERFLY VALVE BURIED GEAR OPERATOR BLACK IRON BLACK IRON PIPE BITUMINOUS OR BITUMASTIC BUILDING BENCH MARK BACK OF CURB BOTTOM OF SLAB BOTTOM BLACK STEEL PIPE BETWEEN BALL VALVE BUTT WELD BACKWASH WATER BORING (e.g. B-1) CURB AND GUTTER CUBIC FOOT CUBIC INCH CUBIC YARD CENTER TO CENTER COMPRESSED AIR CAPACITY CABLE TELEVISION COMBINATION AIR VALVE CHLORINE BOOSTER PUMP CHLORINE CONTACT CHAMBER CHLORINATED EFFLUENT CUBIC FEET PER MINUTE CUBIC FEET PER SECOND CAST IRON CAST IRON PIPE CAST IRON SOIL PIPE CONSTRUCTION JOINT CENTER LINE CHLORINE GAS CHAIN LINK FENCE CLEAR(ANCE) CORRUGATED METAL PIPE CORRUGATED METAL PIPE ARCH CLEAN OUT CARBON DIOXIDE COAGULANT CONCENTRATE CONNECTION CONSTRUCTION(ION) CONTINUATION COPPER PIPE CONCRETE PIPE CONCRETE PIPE ARCH COUPLING CONCRETE PRESSURE PIPE CHLORINATED POLYVINYL CHLORIDE CONCENTRIC REDUCER CHLORINE SOLUTION CHECK VALVE CYLINDER DRAIN DEGREE DEMOLITION DIESEL FUEL DUCTILE IRON DIAMETER DIAGONAL DIMENSION DUCTILE IRON PIPE DIRECTION DISCHARGE DISMANTLING JOINT DROP MANHOLE DOWN DIMENSION RATIO DIAPHRAGM VALVE DISINFECTED WATER DRAWING DRAIN, WASTE, AND VENT EAST(ING) EACH FACE EACH WAY EACH ECCENTRIC EFFLUENT ELEVATED GEAR OPERATOR	EJ EL(EV) ELAST ELL EMER EOP EDPM EQUIP EST EVA EXISTING EXP EXT F/F FAB FC FCA FCV FD FE FF FH FIG FIN FL FLEX FLANGED FLR FM FOIL(C) FPM FPS FRP FIP FV FW GA GAL GALV GBW GIP GJ GND GO GPD GPH GPM GPS GR GRADE GSP GSR GST GV HD HDD HDPE HFA HFCA HORIZ HP HPA HOUR HSP HT HYAC HW HWL HYD ID IN INF INVERT IRON PIPE IPS IR IW JB JT KGV LKT LAB LAM LAT LB(S) LEN LF LHDPE LS LSS LWL MAINT MAN MAX MCC ME(S) MECH MF MFR MG MGD MH MI MIN MISC MJ ML MPH MRPP	EXPANSION JOINT ELEVATION ELASTOMERIC ELBOW EMERGENCY EDGE OF PAVEMENT ETHYLENE PROPYLENE DIENE MONOMER EQUIPMENT ESTIMATE(ED) ELECTRIC VALVE ACTUATOR EXISTING EXPANSION EXTERIOR FACE TO FACE FABRICATE(D) FLEXIBLE COUPLING FLANGED COUPLING ADAPTER FLOW-CONTROL VALVE FLOOR DRAIN FILTER(ED) EFFLUENT FINISH FLOOR FIRE HYDRANT FIGURE FINISH(ED) FLUORIDE FLEXIBLE FLANGED FLOOR FORCE MAIN FIBER OPTIC (LINE)(CONDUIT) FEET PER MINUTE FEET PER SECOND FIBERGLASS REINFORCED PLASTIC FOOT OR FEET FOOT VALVE FINISHED WATER GAUGE GALLON(S) GALVANIZED GAC BACKWASH GALVANIZED IRON PIPE GROOVE JOINT GROUND GEAR OPERATED GALLONS PER DAY GALLONS PER HOUR GALLONS PER MINUTE GALLONS PER SECOND GRADE GALVANIZED STEEL GALVANIZED STEEL PIPE GROUND STORAGE RESERVOIR GROUND STORAGE TANK GATE VALVE HOSE BIBB HEAVY-DUTY HORIZONTAL DRILL HIGH-DENSITY POLYETHYLENE HYDROFLUOSILICIC ACID HARNESSED FLANGED COUPLING HORIZONTAL HORSEPOWER HIGH PRESSURE AIR HOUR HIGH SERVICE PUMP HEIGHT HYDRAULIC VALVE ACTUATOR HEATING, VENTILATION, AND AIR CONDITIONING HOT WATER HIGH WATER LEVEL RAW WATER INSIDE DIAMETER INCH(ES) INFILTRANT INVERT IRON PIPE INTERNATIONAL PIPE STANDARD INTERNAL RECYCLE IRRIGATION WATER JUNCTION BOX JOINT KNIFE GATE VALVE LEFT LABORATORY LAMINATE OR LAMINATION LATERAL POUND(S) LENGTH LINEAR FEET LINEAR HIGH-DENSITY POLYETHYLENE LIME SLURRY LIME STABILIZED SLUDGE LOW WATER LEVEL MAINTAIN OR MAINTENANCE MAN (MANUALLY) MAXIMUM MOTOR CONTROL CENTER MITERED END (SECTION) MECHANICAL MICROFILTRATION MANUFACTURE(R) MILLION GALLONS MILLION GALLONS PER DAY MANHOLE MILE(S) MINIMUM MISCELLANEOUS MECHANICAL JOINT MIL MIXED LIQUOR MILES PER HOUR METAL REINFORCED PLASTIC PIPE	MTD MV MW MWL N N.C. N.C. N.O. N/A NaOCl NE NEARBY NIC NO., # NOM NPW NSFC NTS N.T.S. NW O&M O.C. O/E OF O2 OZ OUTSIDE DIAMETER OFF OFF OH OP OPERATOR OPP OPT OVF PIL PA PBV PC PE PEP PERM PG PGL PJ PM PNV POB POI POJ POL PPS PPM PREFAB PRES PROP PRV PRW PSI PT PV PVC PVC-D PVD PVT POT Q QTY R R.T RAD., R. RAS RAW RCB RCP RCPA RCW REBAR RED REEW REF REINF REJ REQD REW RJ RMJ RNG RO ROC RPM RPZBP RR RS RW RWW S S.F. S.I. S.O. S.STL S.Y. SA SAN SB-xx SCH SCV SD SDR SE SEC SEFF	MOUNTED MOTORIZED VALVE MANWAY MEAN WATER LEVEL NORTHING NORMALLY CLOSED NOT IN CONTRACT NORMALLY OPEN NOT APPLICABLE SODIUM HYPOCHLORITE NORTHEAST NANOFILTRATION NOT IN CONTRACT NUMBER NOMINAL NATIONAL PIPE TAPER NON-POTABLE WATER NOT SHOWN FOR CLARITY NOT TO SCALE NORTHWEST OPERATION AND MAINTENANCE ON CENTERS OR EQUAL OUTSIDE TO OUTSIDE OXYGEN OUTSIDE DIAMETER OUTSIDE FACE OFFSET OVER HEAD ORIFICE PLATE OPERATOR OPPOSITE OPTION(AL) OVERFLOW PROPERTY LINE PROCESS AIR PLASTIC BALL VALVE POINT OF CURVE PLAIN END POLYETHYLENE PIPE PERMEATE PRESSURE GAUGE PROPOSED GRADE LINE PUSH-ON JOINT PROCESS MECHANICAL PINCH VALVE POINT OF BEGINNING POINT OF INTERSECTION PUSH-ON JOINT PLYMER POUNDS PER DAY PARTS PER MILLION PREFABRICATED PRESSURE PROPOSED PRESSURE REDUCING VALVE PROCESS WATER POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POINT OF TANGENCY PLUG VALVE POLYVINYL CHLORIDE POLYVINYLCHLORIDE (DOUBLE CONTAINED) POLYVINYLIDENE FLUORIDE (KYNAR) PAVEMENT POTABLE WATER FLOW QUANTITY RIGHT RIGHT OF WAY RADIUS RETURN ACTIVATED SLUDGE RAW WATER REINFORCED CONCRETE BOX REINFORCED CONCRETE PIPE REINFORCED CONCRETE PIPE ARCH RECLAIMED WATER REINFORCING STEEL REDUCER REUSE EFFLUENT WATER REFERENCE REINFORCE(D)(ING)(MENT) RO REJECT REQUIRED RETURN EFFLUENT WATER RESTRAINED JOINT (BELL) RESTRAINED MECHANICAL JOINT RANGE REVERSE OSMOSIS RADIUS OF CURVATURE REVOLUTIONS PER MINUTE REDUCED PRESSURE ZONE BACKFLOW PREVENTER RAILROAD RAW SEWAGE RECLAIMED WATER RAW WASTEWATER SOUTH SQUARE FOOT SQUARE INCH SIDE OPERATED STAINLESS STEEL SQUARE YARD SAMPLE LINE SANITARY SOIL BORING (e.g. SB-1) SCHEDULE SILENT CHECK VALVE STORM DRAIN STANDARD DIMENSION RATIO SOUTHEAST SECTION SECONDARY EFFLUENT	SF SHT SIM SL SLV SM SOL SP SPEC(S) SPT-xx SQ SS SSE ST STA STD STL STORM STR SUP SV SVC SVW SW SWD SYM SYMM T&B T.C.C. T.C.S. T.S. T.V. TAN TBM TB-xx TDH TEL TEMP TH THD THK TJ TOB TOC TOS TSL TV TWP TYP UD UG UGE UON UTL UV VAC VAR VB VC VEL VERT VFD VOL VTR W WL W.P. WI W/O WAS WCD WF WH WM WPR WS(P) WT WTF WTP WW WWF WWM WWTF WWTP XFER XLHDP YD YH YR	SQUARE FOOT OR FEET SHEET(ED)(ING) SIMILAR SLUDGE SLEEVE SHEET METAL SOLUTION SOIL PIPE SPECIFICATION(S) STANDARD PENETRATION TEST BORING (e.g. SPT-1) SQUARE SANITARY SEWER SUBSTANDARD EFFLUENT SAMPLE TAP STATION STANDARD STEEL STORMWATER STRAIGHT SUPERNATANT SOLENOID VALVE SERVICE SERVICE WATER SOUTHWEST SIDEWATER DEPTH SYMBOL SYMMETRICAL TOP AND BOTTOM TOP OF CONCRETE TOP OF CURB TAPPING SLEEVE TAPPING VALVE TANGENT TEMPORARY BENCH MARK TEST BORING-xx (e.g. TB-1) TOTAL DYNAMIC HEAD TELEPHONE TEMPORARY TEST HOLE THREAD(ED) THICKNESS TIED JOINT TOP OF BANK TOP OF CURB TOE OF SLOPE THICKENED SLUDGE TELEVISION TOWNSHIP TYPICAL UNDERDRAIN UNDERGROUND UNDERGROUND ELECTRIC UNLESS OTHERWISE NOTED UNDERGROUND TELEPHONE CABLE UTILITY ULTRAVIOLET VACUUM VARIES VALVE BOX VERTICAL CURVE VITRIFIED CLAY PIPE VELOCITY VERTICAL VARIABLE FREQUENCY DRIVE VOLUME VENT THROUGH ROOF WEST WATER LEVEL WALL PIPE (WITH WATER STOP) WITH WITHOUT WASTE ACTIVATED SLUDGE WALL CLEAN OUT WIDE FLANGE WALL HYDRANT WATER MAIN WORKING PRESSURE WELDED STEEL (PIPE) WEIGHT WATER TREATMENT FACILITY WATER TREATMENT PLANT WASTEWATER WELDED WIRE FABRIC WELDED WIRE MESH WASTEWATER TREATMENT FACILITY WASTEWATER TREATMENT PLANT TRANSFER CROSS LINKED HIGH-DENSITY POLYETHYLENE YARD(S) YARD HYDRANT YEAR(S)

NOTE: THIS LEGEND IS FOR GENERAL REFERENCE. NOT ALL ABBREVIATIONS, SYMBOLS, PROCESSES, MATERIALS, OR FITTINGS MAY BE USED IN THIS DESIGN, NOR IS THIS LEGEND COMPREHENSIVE. REFER TO INDIVIDUAL DRAWING LEGEND(S) IF SYMBOLS ARE NOT LISTED. INDIVIDUAL DISCIPLINE STANDARD LEGENDS SUPERCEDE THIS GENERAL LEGEND, IF PROVIDED.

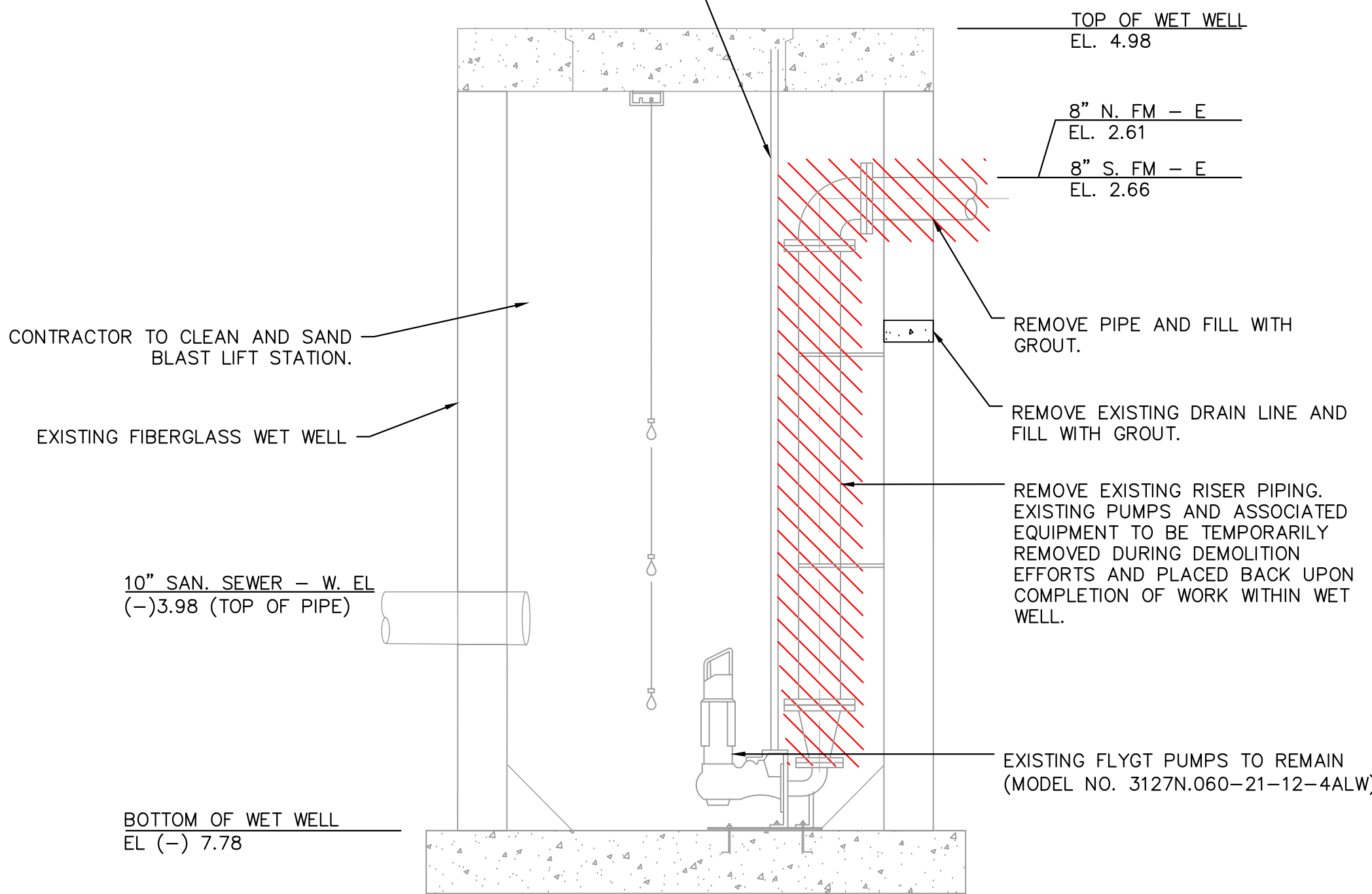
				Kimley»Horn © 2025 KIMLEY–HORN AND ASSOCIATES, INC. 7341 OFFICE PARK PLACE, SUITE 102, MELBOURNE, FL 32940 PHONE: 321–430–1138 WWW.KIMLEY–HORN.COM REGISTRY NO. 35106				KHA PROJECT 147965001 DATE MAY 2025 SCALE AS SHOWN DESIGNED BY AJC DRAWN BY CPV CHECKED BY ATH				LIFT STATION 3 REHABILITATION PREPARED FOR CITY OF COCOA BEACH				LICENSED PROFESSIONAL A. TUCKER HUNTER 88634				SYMBOLS AND ABBREVIATIONS				SHEET NUMBER G-4			
0				BID SET				5/7/2025				CPV															
No.				REVISIONS				DATE				BY				CITY OF COCOA BEACH				FLORIDA				DATE:			



LEGEND

	DEMOLITION
	REMOVE EXISTING FORCE MAIN
	REMOVE EXISTING BURIED FIBER TO ANTENNA

CONTRACTOR TO REMOVE GUIDE RAILS DURING
CONSTRUCTION EFFORTS. CONTRACTOR TO
REINSTALL EXISTING GUIDE RAILS AFTER
CONSTRUCTION COMPLETION WITHIN WET WELL



LIFT STATION 3
DEMO SECTION

SCALE: 1" = 2'

SECTION A-A

(PIPELINES ROTATED FOR CLARITY)

SUGGESTED BYPASS PLAN:

CONTRACTOR TO PROVIDE BYPASS PLAN TO CITY OF COCOA BEACH PRIOR TO CONSTRUCTION. PROPOSED BYPASS PLAN TO BE IN COMPLIANCE WITH CITY OF COCOA BEACH SPECIFICATIONS

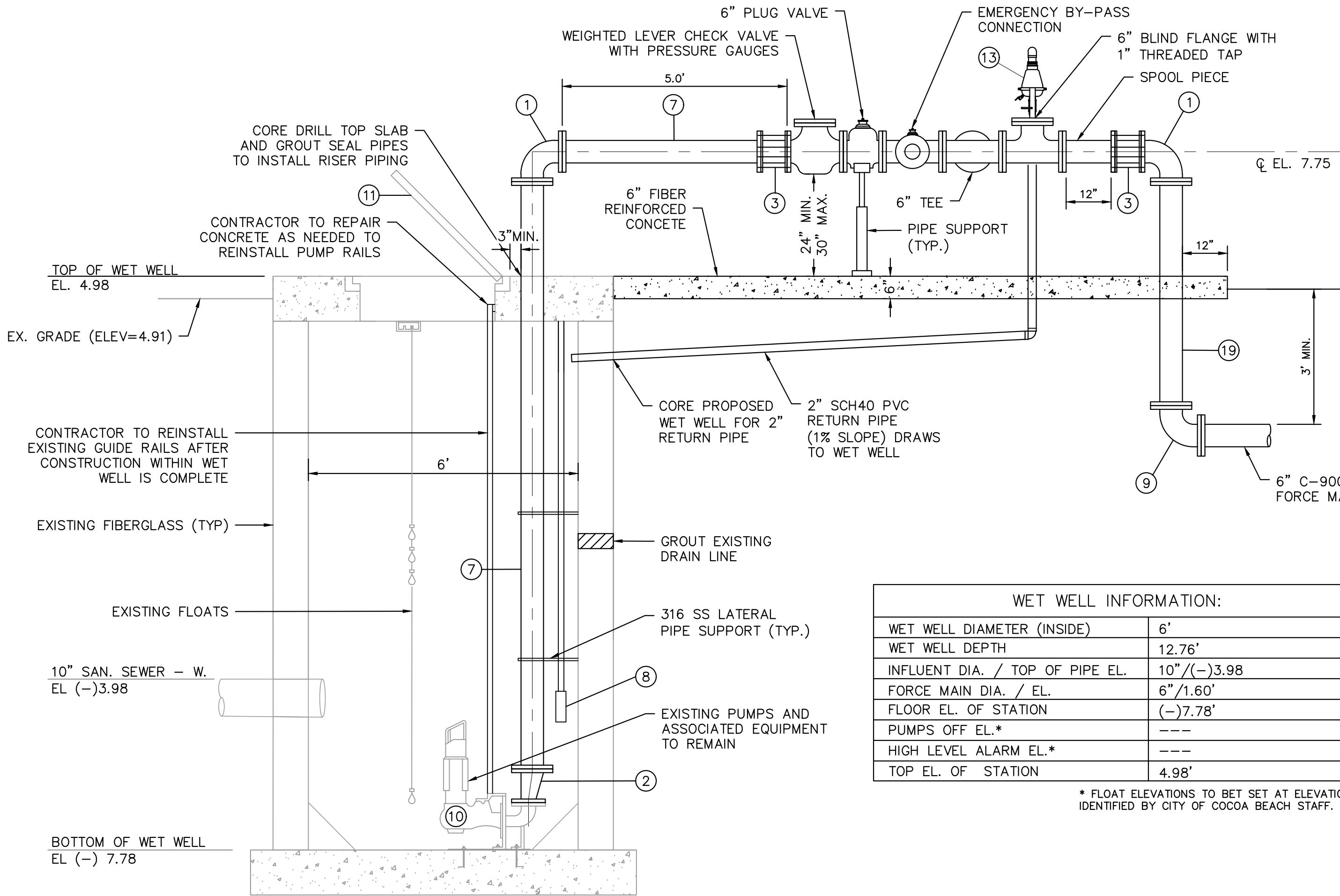
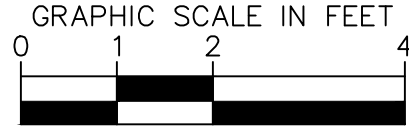
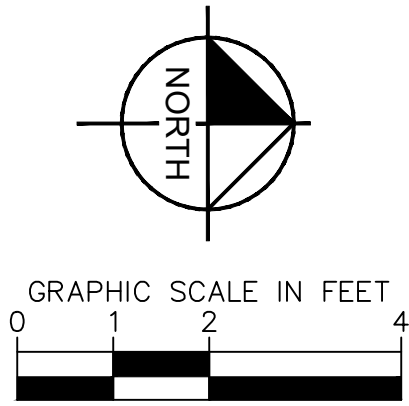
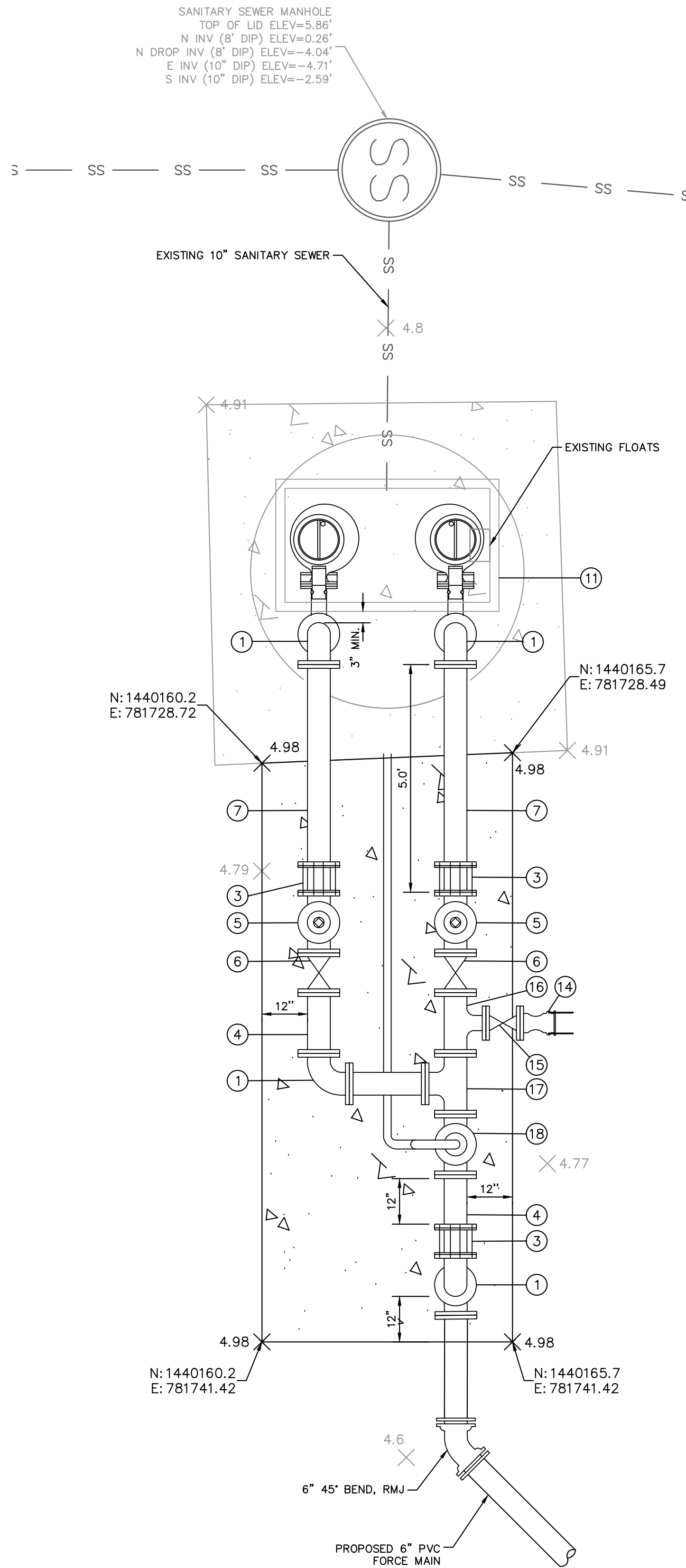
1. CONTRACTOR TO INSTALL 6" TEMPORARY PIPING FROM TERMINAL MANHOLE TO 6" GATE VALVE. CONTRACTOR TO INSTALL LINEDIST ON EXISTING 6" FORCE MAIN EXITING LIFT STATION AND INSTALL PROPOSED 6" TEE AND TWO (2) 6" GATE VALVES.
2. CONTRACTOR TO PLUG EAST INVERT OF TERMINAL MANHOLE AND CONVERT TO TEMPORARY WET WELL WITH TEMPORARY BYPASS PUMP.

NOTES:

1. CONTRACTOR TO COORDINATE WITH CITY OF COCOA BEACH WATER RECLAMATION DEPARTMENT PRIOR TO CONSTRUCTION.
2. CONTRACTOR TO SOD AND RESTORE ALL DISTURBED AREAS TO EXISTING CONDITIONS OR BETTER.
3. CONTRACTOR TO COORDINATE WITH CITY OF COCOA BEACH WATER RECLAMATION DEPARTMENT ON SALVAGE MATERIALS AFTER CONSTRUCTION COMPLETION.

[illegible]

Plotted By:McClure, Amanda Sheet: LIFT STATION 3 REHABILITATION C-17 REPLACEMENT Layout: M-1 May 09, 2025 12:46:18pm K:\ORL_Utilities\14796501 - Lift Station 3 Rehabilitation\CADD\PlanSheets\M-1 Lift Station 3 MECHANICAL PLAN.dwg
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WET WELL INFORMATION:	
WET WELL DIAMETER (INSIDE)	6'
WET WELL DEPTH	12.76'
INFLUENT DIA. / TOP OF PIPE EL.	10"/(-)3.98
FORCE MAIN DIA. / EL.	6"/1.60'
FLOOR EL. OF STATION	(-)7.78'
PUMPS OFF EL.*	---
HIGH LEVEL ALARM EL.*	---
TOP EL. OF STATION	4.98'

* FLOAT ELEVATIONS TO BE SET AT ELEVATIONS IDENTIFIED BY CITY OF COCOA BEACH STAFF.

(PIPELINES ROTATED FOR CLARITY)
SECTION
SCALE: 1" = 2'

LEGEND

- 1 6" SS 90° BEND, FLG
- 2 6"x4" SS ECCENTRIC REDUCER, FLG
- 3 6" SS FLEX COUPLING ADAPTER, FLG
- 4 6" SS SPOOL PIECE, FLG
- 5 6" SS CHECK VALVE
- 6 6" SS PLUG VALVE, FLG
- 7 6" 316 SS, SCH 40 PIPING, FLG
- 8 TRANSDUCER
- 9 6" DIP 90° BEND, MJ
- 10 EXISTING SUBMERSIBLE PUMPS TO REMAIN
- 11 EXISTING ACCESS HATCH
- 12 2" 316 SS GUIDE RAIL
- 13 2" AIR/VACUUM RELEASE VALVE (ARI D-40)
- 14 4" CAM LOCK
- 15 4" PLUG VALVE, FLG
- 16 6"x4" SS TEE, FLG
- 17 6" SS TEE, FLG
- 18 6" SS TEE, FLG WITH ARV ASSEMBLY AND 1" THREADED TAP ON 6" BLIND FLANGE
- 19 6" DIP, FLG x PE

NOTES:

- 1. ALL PENETRATIONS THROUGH WET WELL WALLS SHALL BE SEALED WITH A NON-SHRINKING GROUT EXCEPT WHERE FLEXIBLE MANHOLE CONNECTORS ARE USED. NO PENETRATIONS ARE PERMITTED FOR LIFTING PURPOSES.
- 2. ANCHOR BOLTS SHALL BE STAINLESS STEEL, ANCHOR TYPE AND METHOD OF INSTALLATION SHALL BE AS RECOMMENDED BY THE PUMP MANUFACTURER.
- 3. JOINT SEAL SHALL BE APPLIED.
- 4. ALL EXPOSED CONCRETE PENETRATIONS TO BE LINED OR COATED WITH APPROVED MATERIALS.
- 5. A 4 1/2" PRESSURE GAUGE SHALL BE INSTALLED ON THE TOP OF EACH CHECK VALVE. THE GAUGES SHALL BE MOUNTED ON A 1/2" NPT BRASS NIPPLE WITH PETCOCK. GAUGES SHALL BE CALIBRATED IN PSI AND FEET OF HEAD INCREMENTS. STAINLESS STEEL DIAPHRAGM PROTECTORS SHALL BE PROVIDED.
- 6. RANGE OF PRESSURE GAUGE SHALL BE APPROVED BY CITY OF COCOA BEACH WATER RECLAMATION DEPARTMENT STAFF.
- 7. CONTRACTOR SHALL INSTALL VALVE ASSEMBLY ABOVE GROUND VALVE HAND WHEELS TO BE SECURED WITH 3/8" DIAMETER, EPOXY COATED, STAINLESS STEEL CABLE AND PADLOCK TO PREVENT UNAUTHORIZED OPERATION OF THE VALVES.
- 8. ALL PIPES, INVERTS AND HATCHES TO BE THE SIZE AND KIND OF SPECIFIED ON THE SET OF APPROVED CONSTRUCTION PLANS.
- 9. ALL HARDWARE INSIDE WET WELL TO BE STAINLESS STEEL.
- 10. ALL PRESSURE PIPING TO BE RESTRAINED WITH MEGALUG FITTINGS OR EQUAL.
- 11. ALL ABOVE GRADE STAINLESS STEEL PIPE VALVES AND FITTINGS SHALL BE 316SS, SCH 40.
- 12. ALL BELOW GRADE PIPE VALVES AND FITTINGS SHALL BE MECHANICAL JOINT (MJ)
- 13. ALL JOINTS TO BE RESTRAINED.

NOTE:

- 1. LIFT STATION NOTES AND DETAILS ARE TO BE USED IN COORDINATION WITH S-15 ON SHEETS D-1. THE NOTES AND DETAILS ON THIS SHEET SUPERCEDE ANY CONFLICTING INFORMATION FROM SHEET D-1.

Kimley»Horn

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KHA PROJECT
147965001
DATE
MAY 2025
SCALE AS SHOWN
DESIGNED BY AJC
DRAWN BY CPV
CHECKED BY ATH

LIFT STATION 3
REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH

CITY OF COCOA BEACH

LICENSED PROFESSIONAL

A. TUCKER HUNTER
88634

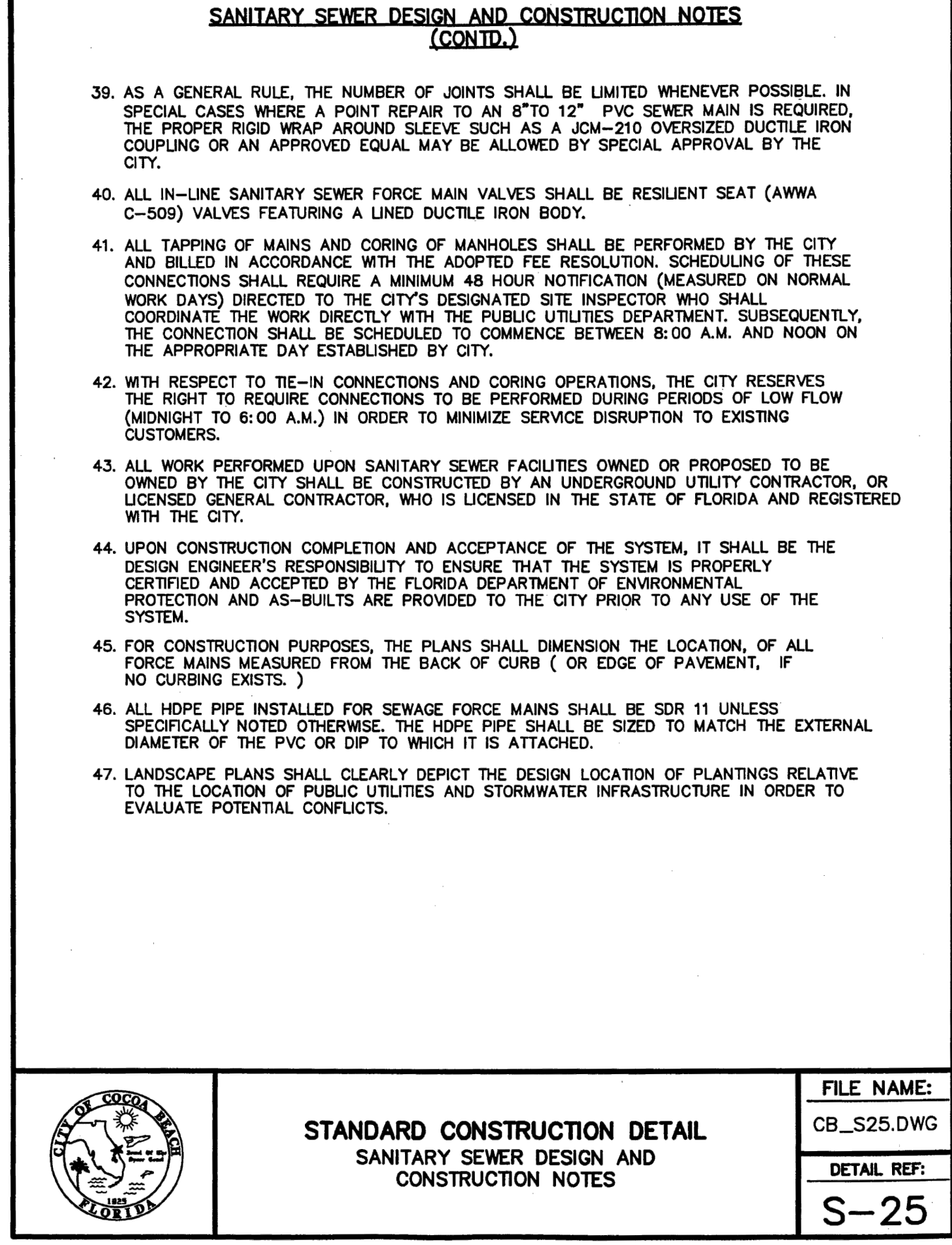
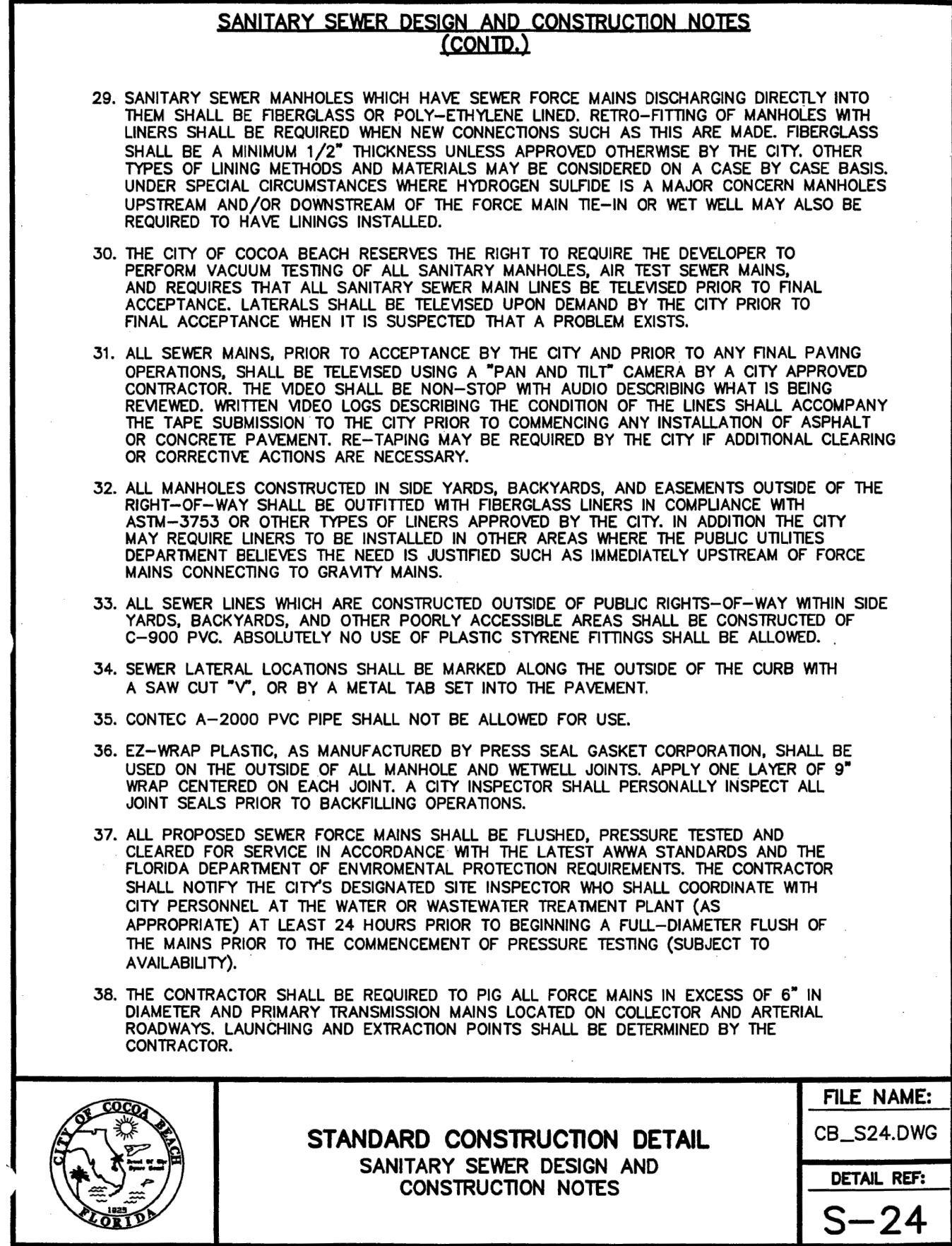
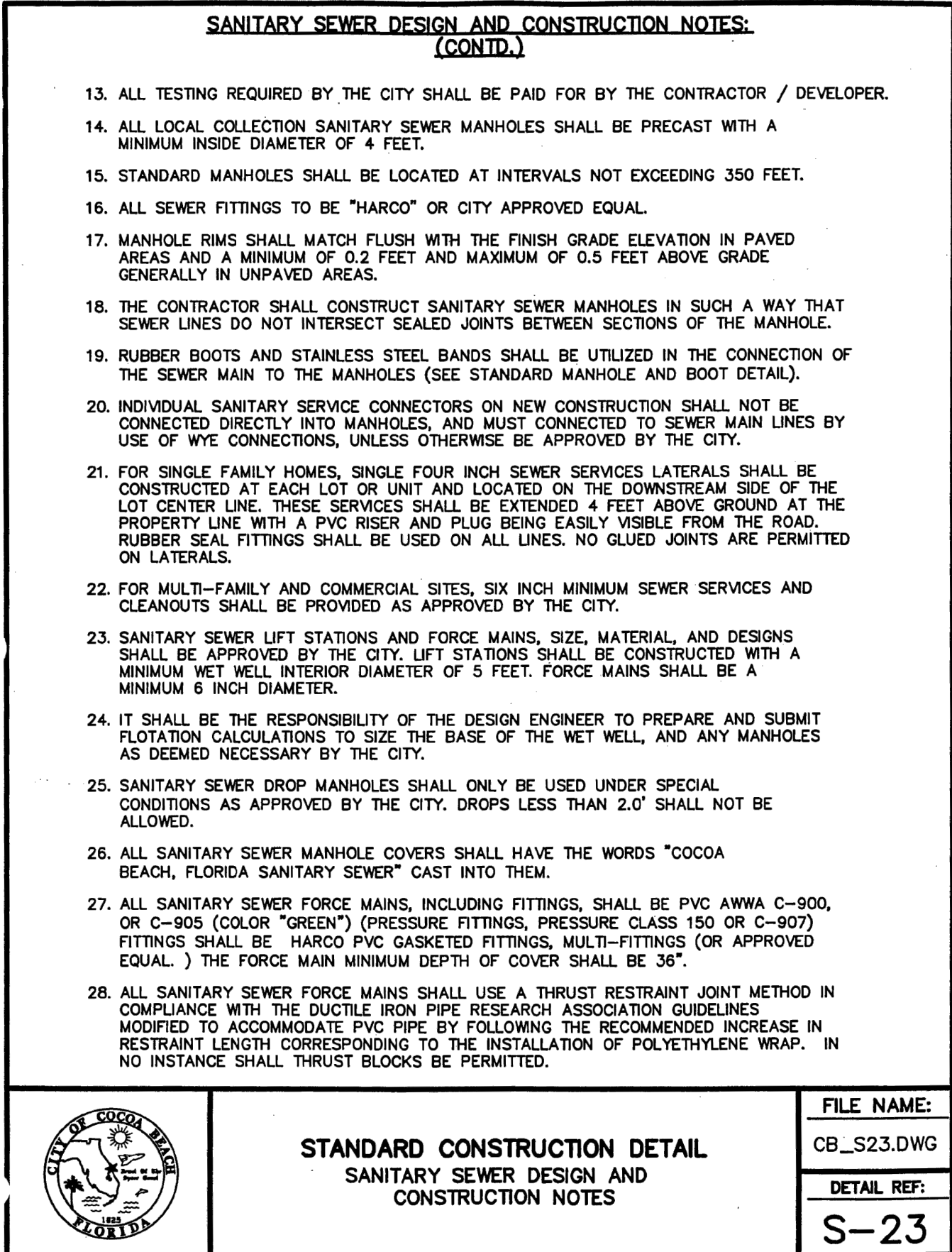
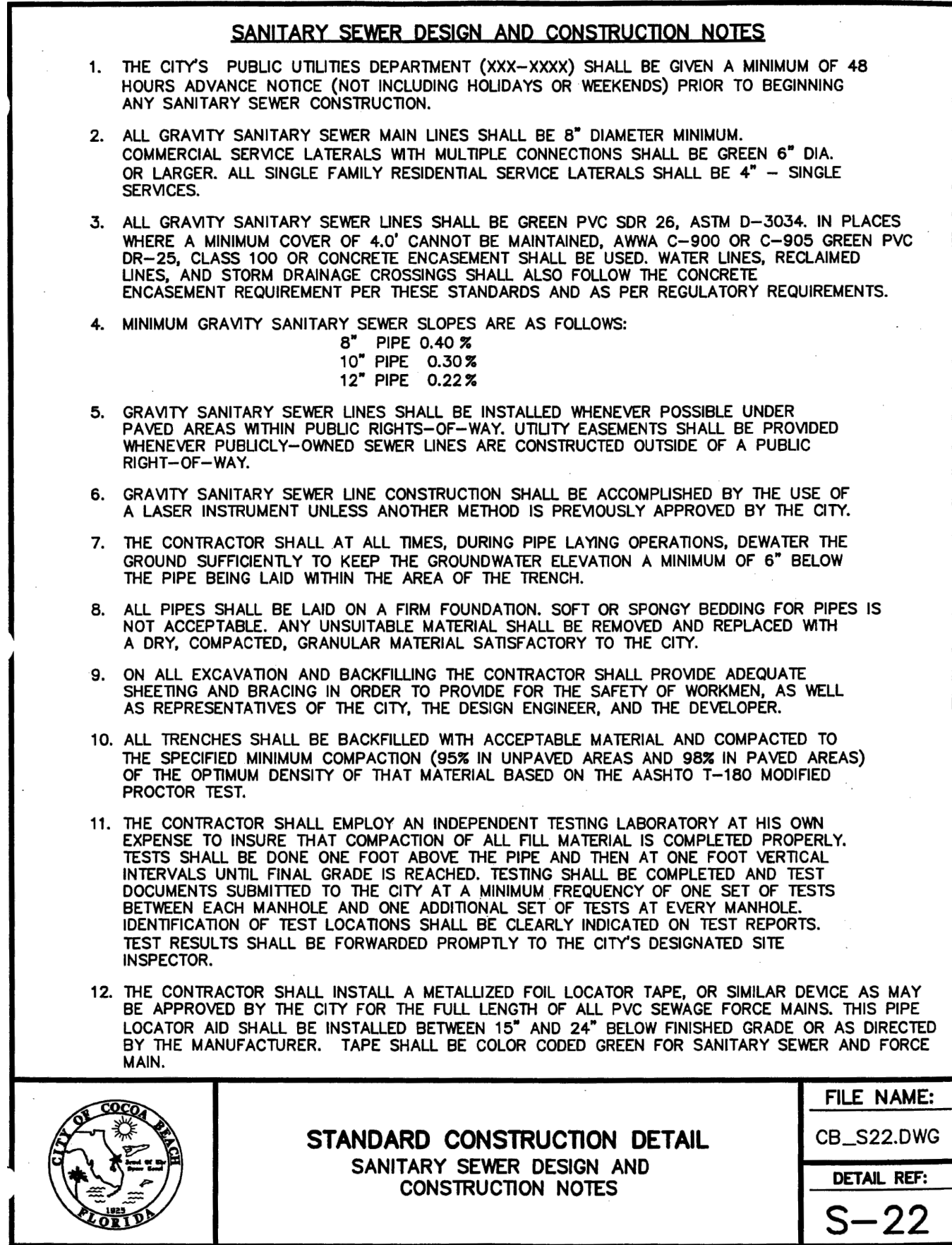
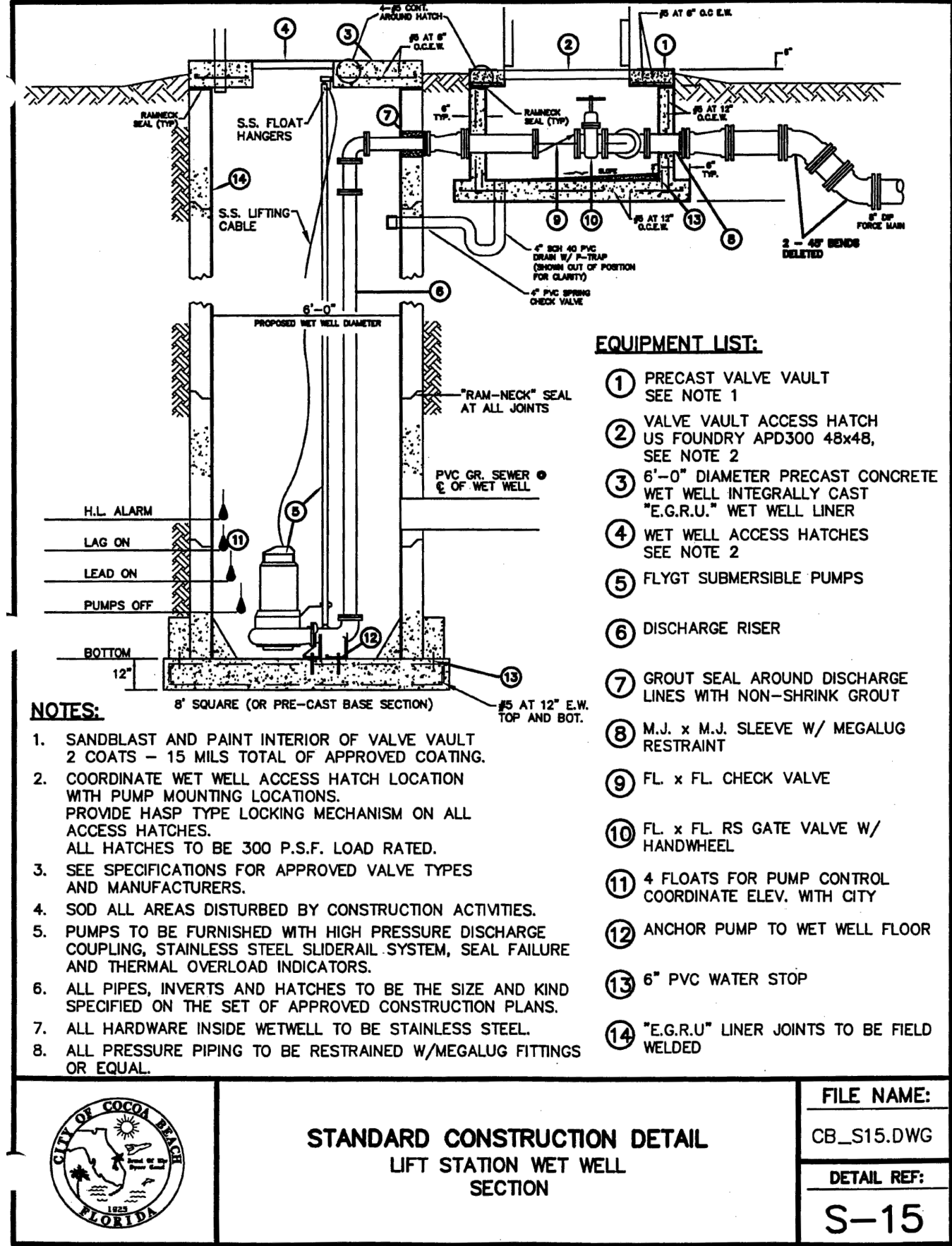
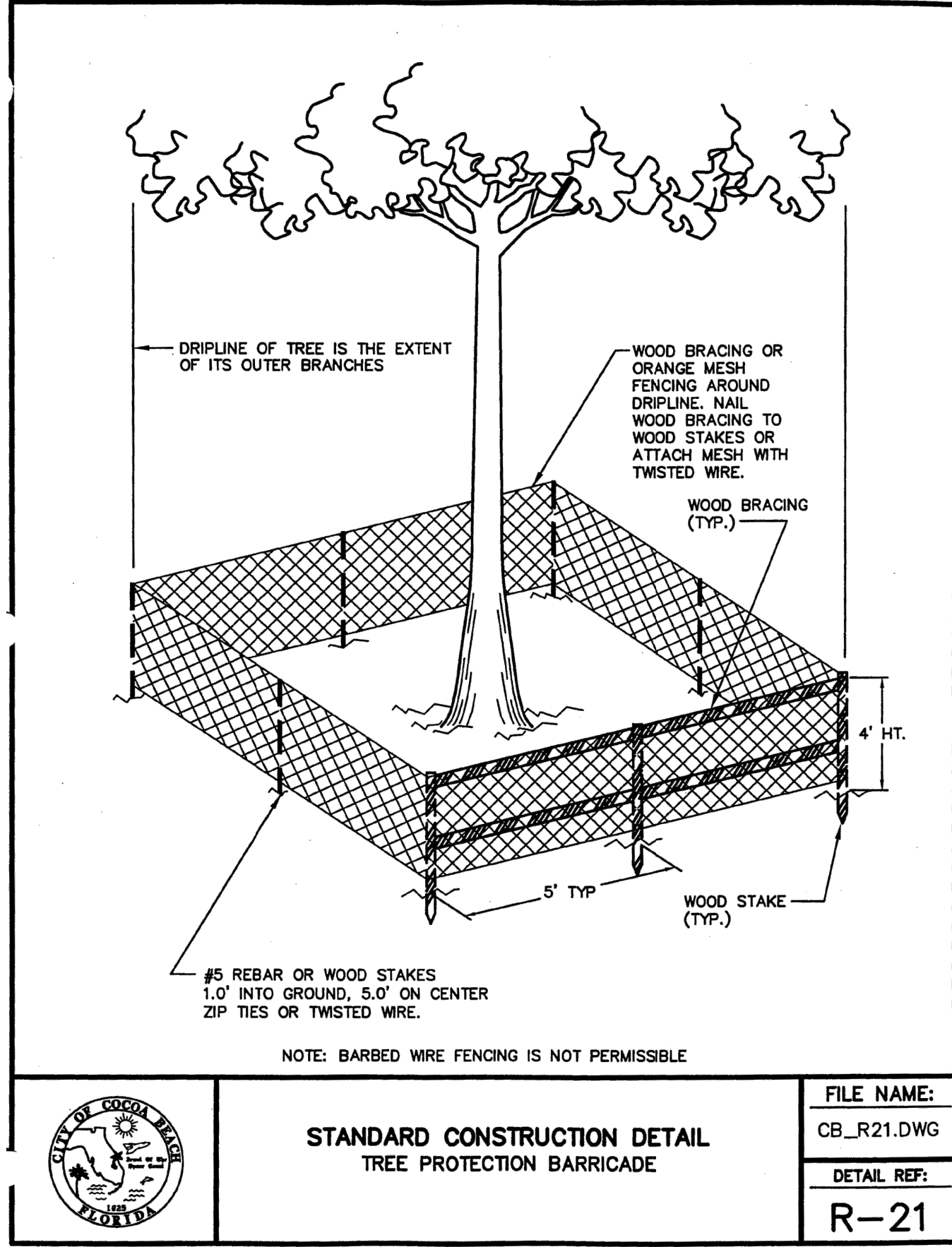
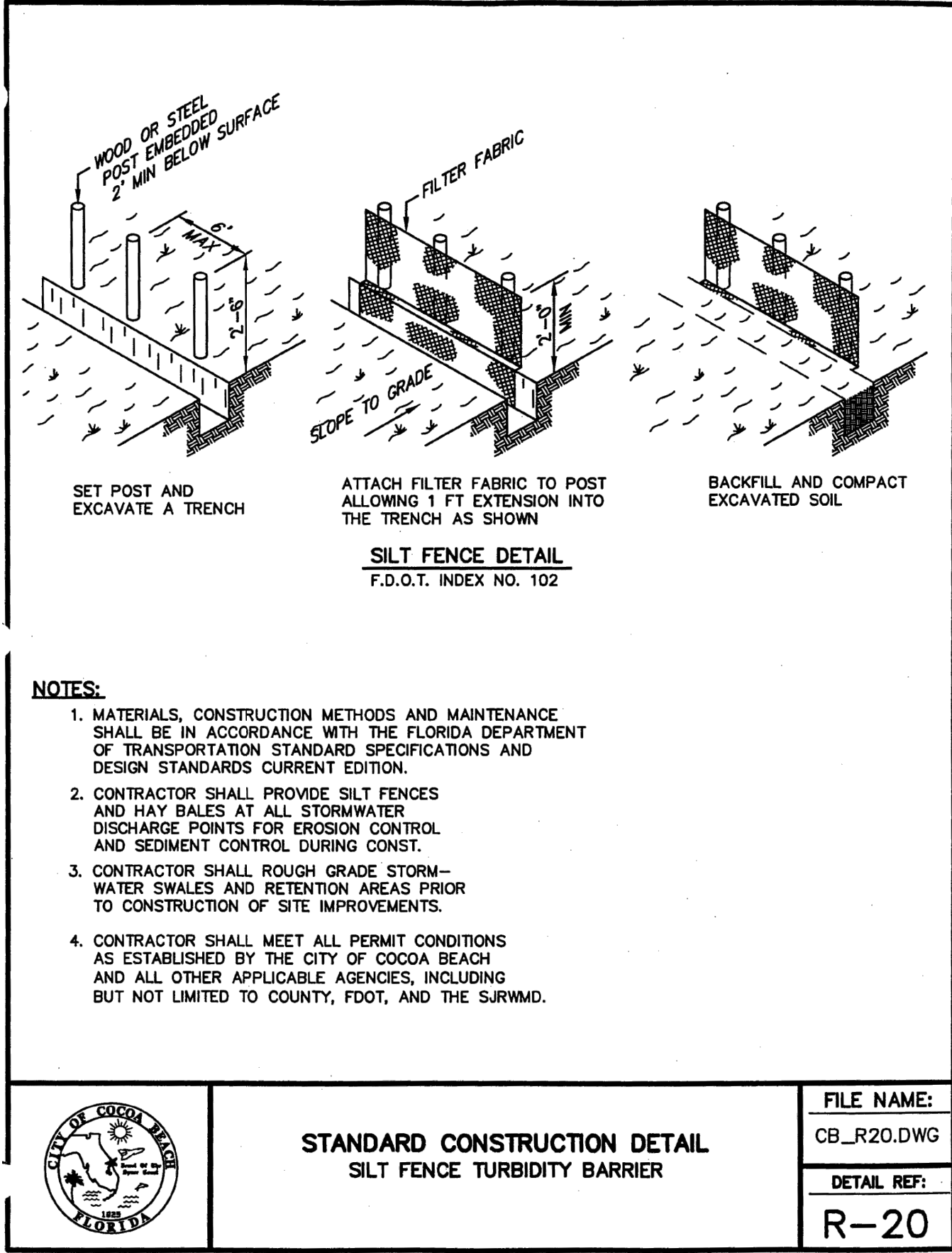
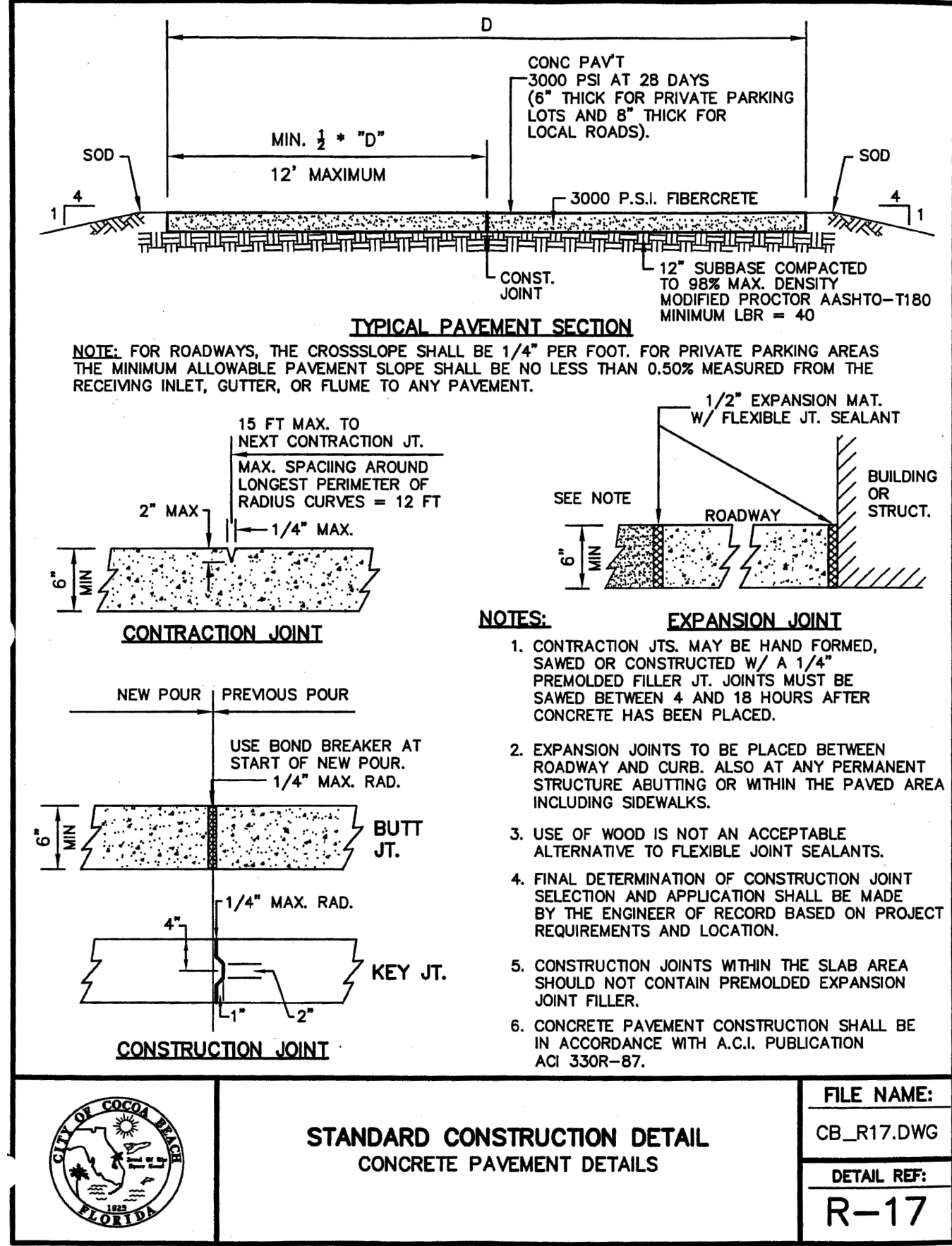
FLORIDA DATE:

LIFT STATION 3 MECHANICAL PLAN

SHEET NUMBER

M-1

Plotted By:McClure, Amanda Sheet Set: LIFT STATION C-17 REPLACEMENT Layout: D-1 May 07, 2025 03:06:37pm \\kimley-horn\corporate\l... OR: 02\ORL-Utilities\47965 - Cocoa Beach\47965001 - Lift Station 3 Rehabilitation\CADD\PlanSheets\D - DETAILS.dwg
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0	BID SET	5/7/2025	CPV	
No.	REVISIONS	DATE	BY	

Kimley»Horn	KHA PROJECT 147965001
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	SCALE AS SHOWN
	DESIGNED BY AJC
	DRAWN BY CPV
	CHECKED BY ATH
	CITY OF COCOA BEACH

LIFT STATION 3 REHABILITATION	LICENSED PROFESSIONAL
PREPARED FOR CITY OF COCOA BEACH	A. TUCKER HUNTER
	88634
FLORIDA	DATE:

STANDARD DETAILS	SHEET NUMBER D-1
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Page 83 of 150

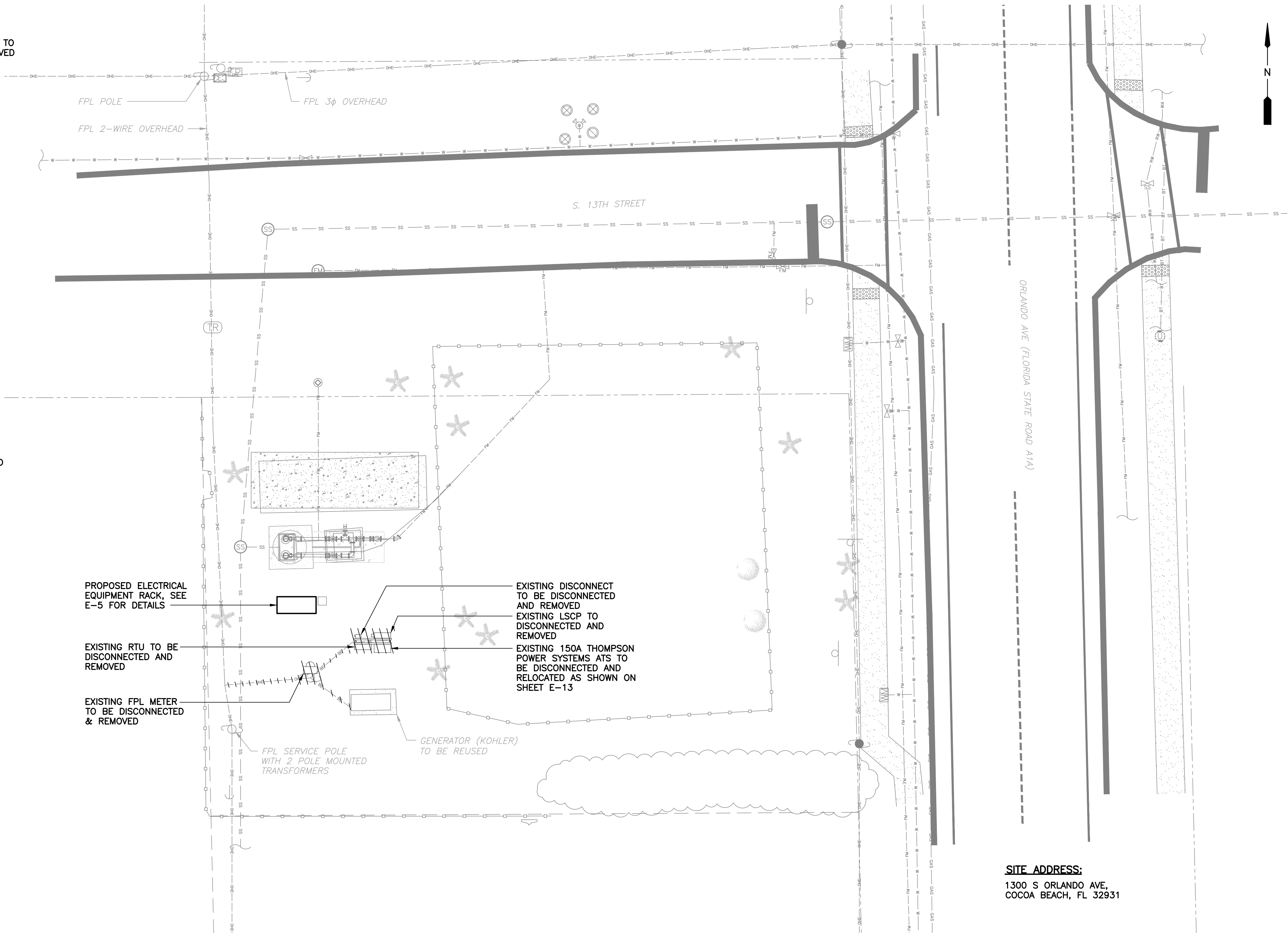
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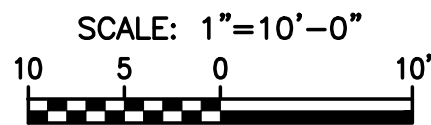
PICTURE DETAIL NO. 1



PICTURE DETAIL NO. 2



ELECTRICAL SITE PLAN



SITE ADDRESS:
1300 S ORLANDO AVE,
COCOA BEACH, FL 32931

BID SET

10620 GRIFFIN ROAD, SUITE 202
COOPER CITY, FLORIDA 33328
PHONE: (954) 448-7930
C.O.A. NO. 6783
Stephen E. Bailey, P.E.
Florida P.E. No. 42461



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KHA PROJECT	147965001
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	FAD
DRAWN BY	KRG
CHECKED BY	SEB

LIFT STATION 3 REHABILITATION

PREPARED FOR
CITY OF COCOA BEACH

FLORIDA

LICENSED PROFESSIONAL

STEPHEN E. BAILEY, P.E.

42461

DATE:

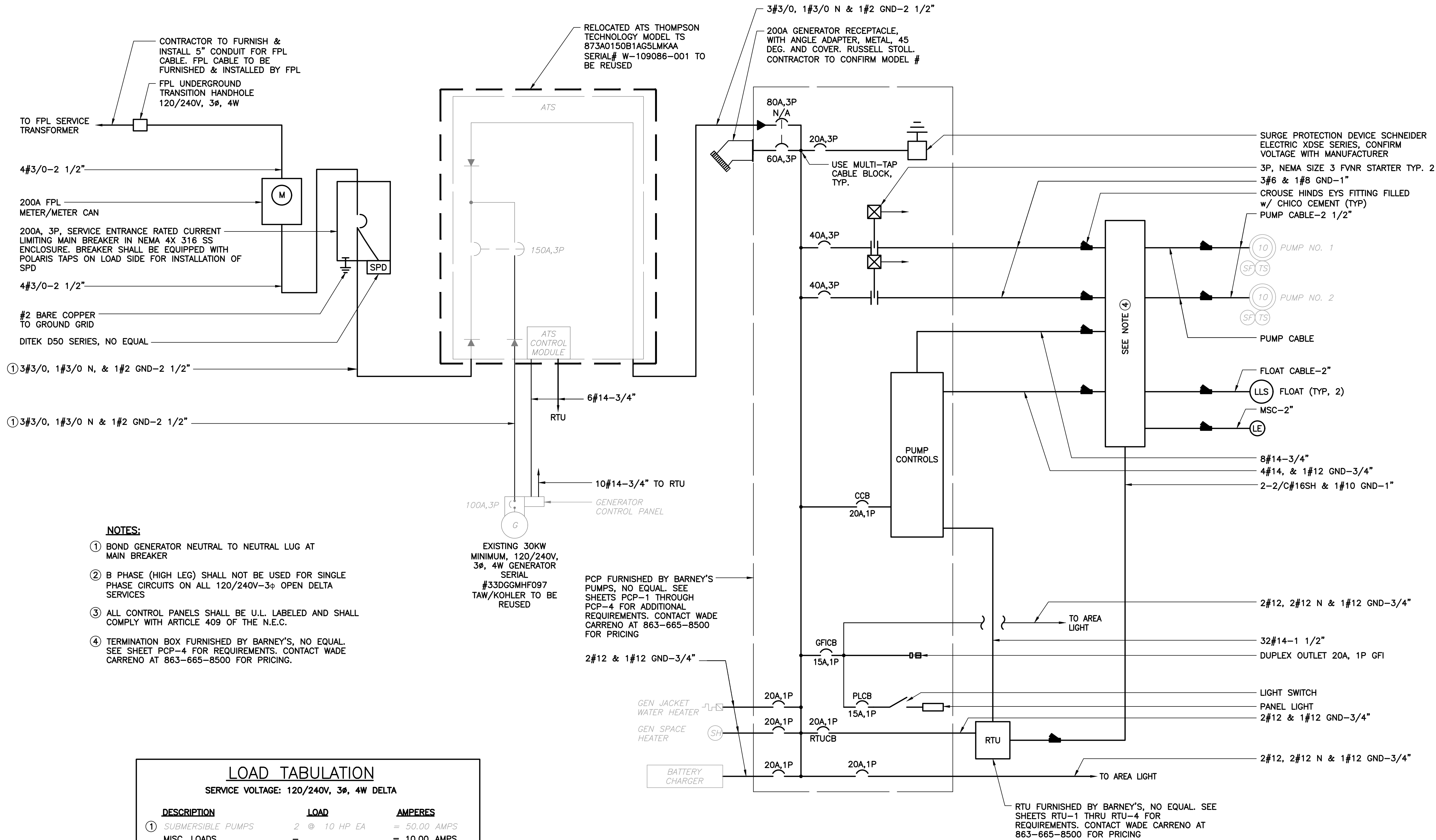
ELECTRICAL SITE PLAN

SHEET NUMBER

E-2

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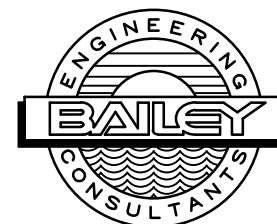
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PUMP CONTROL PANEL (PCP) SINGLE LINE DIAGRAM

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CITY OF COCOA BEACH

CITY OF COCOA BEACH

LICENSED PROFESSIONAL
STEPHEN E. BAILEY, P.E.
42461

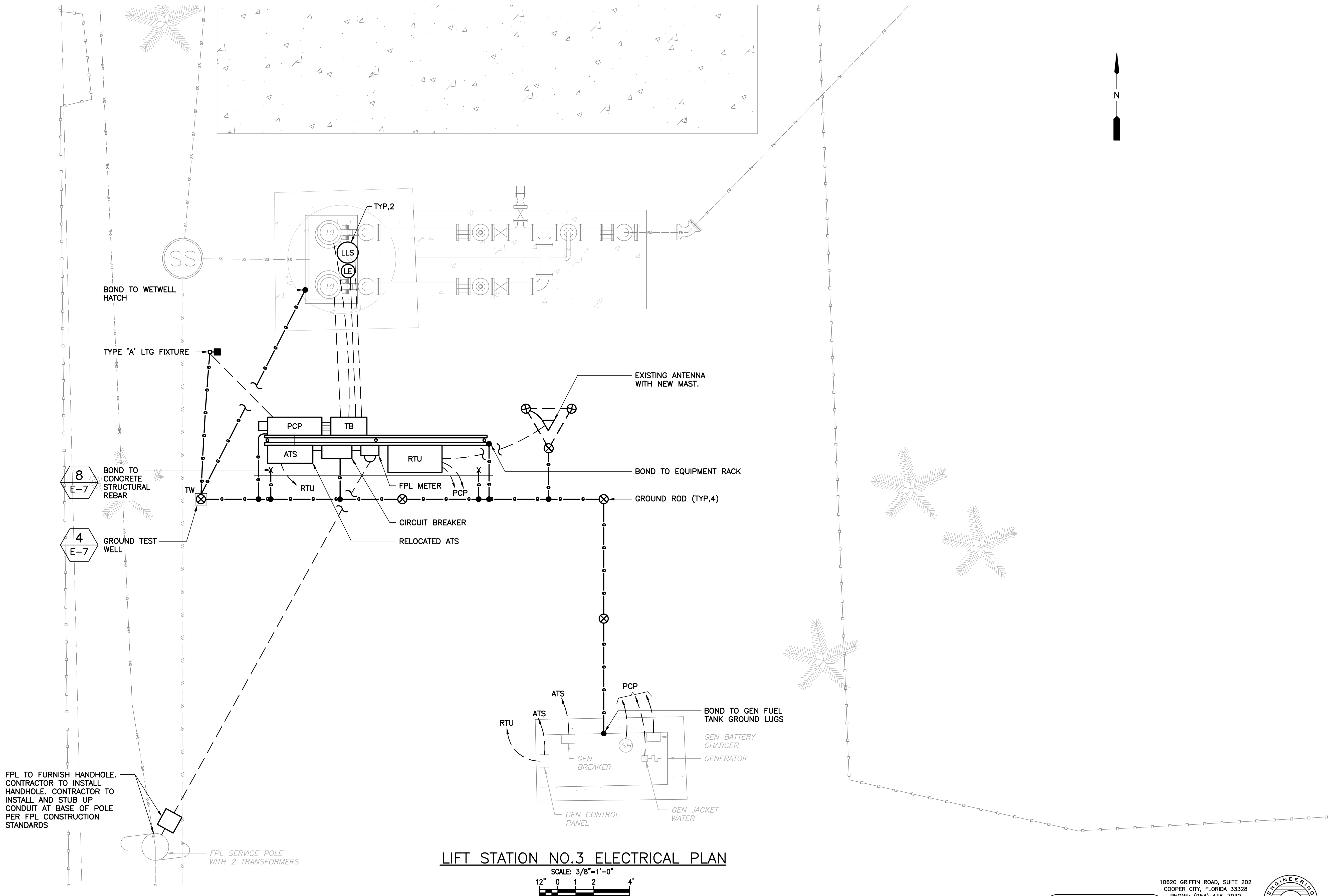
FLORIDA DATE:

PUMP CONTROL PANEL (PCP)
SINGLE LINE DIAGRAM

SHEET NUMBER

E-3

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LIFT STATION 3
REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH

FLORIDA

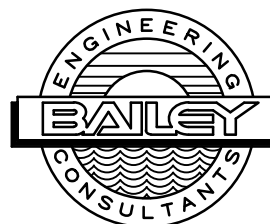
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DATE:

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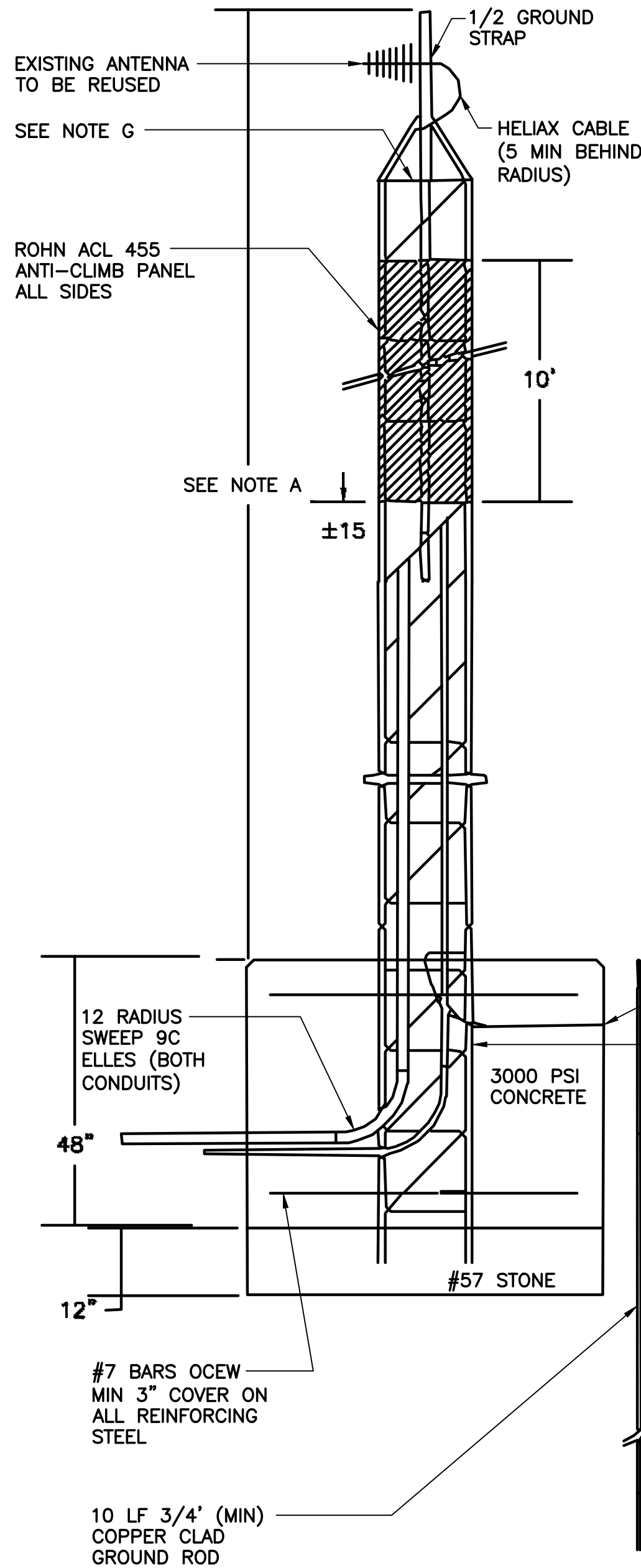
LIFT STATION NO.3
ELECTRICAL PLAN

SHEET NUMBER
E-4

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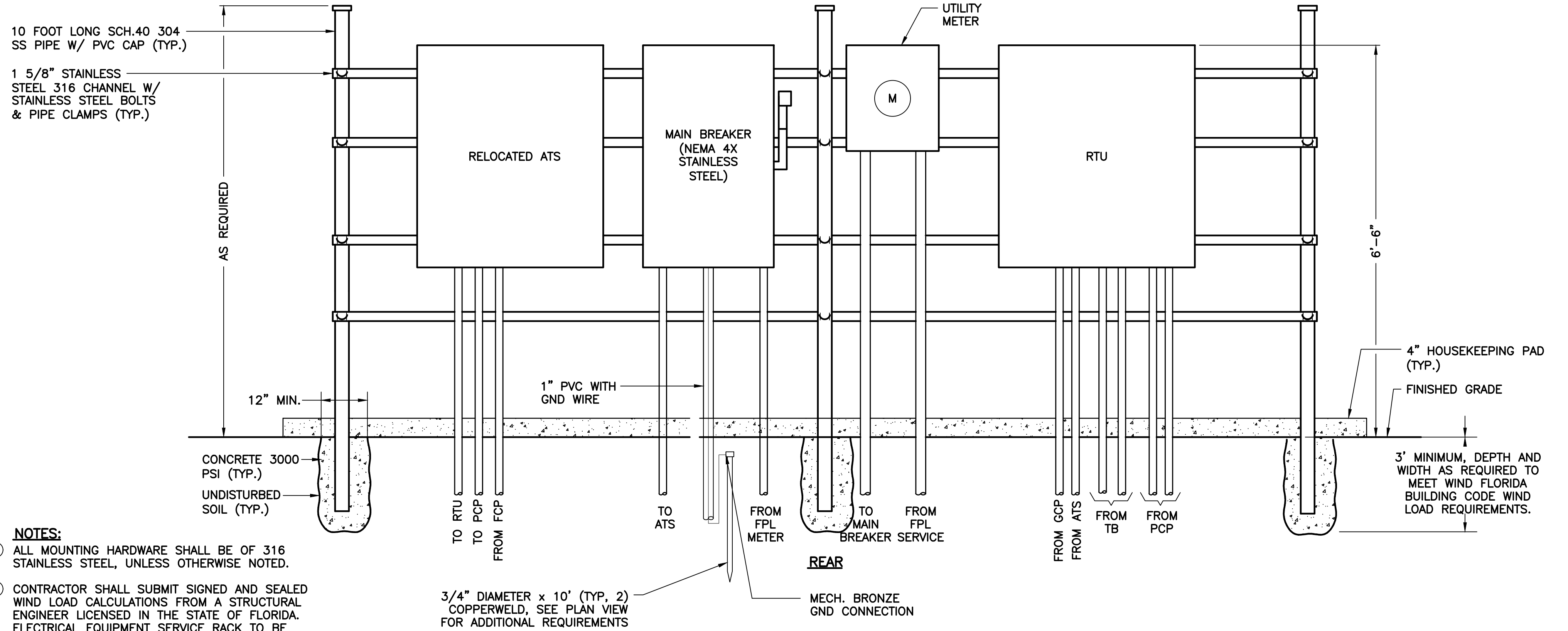
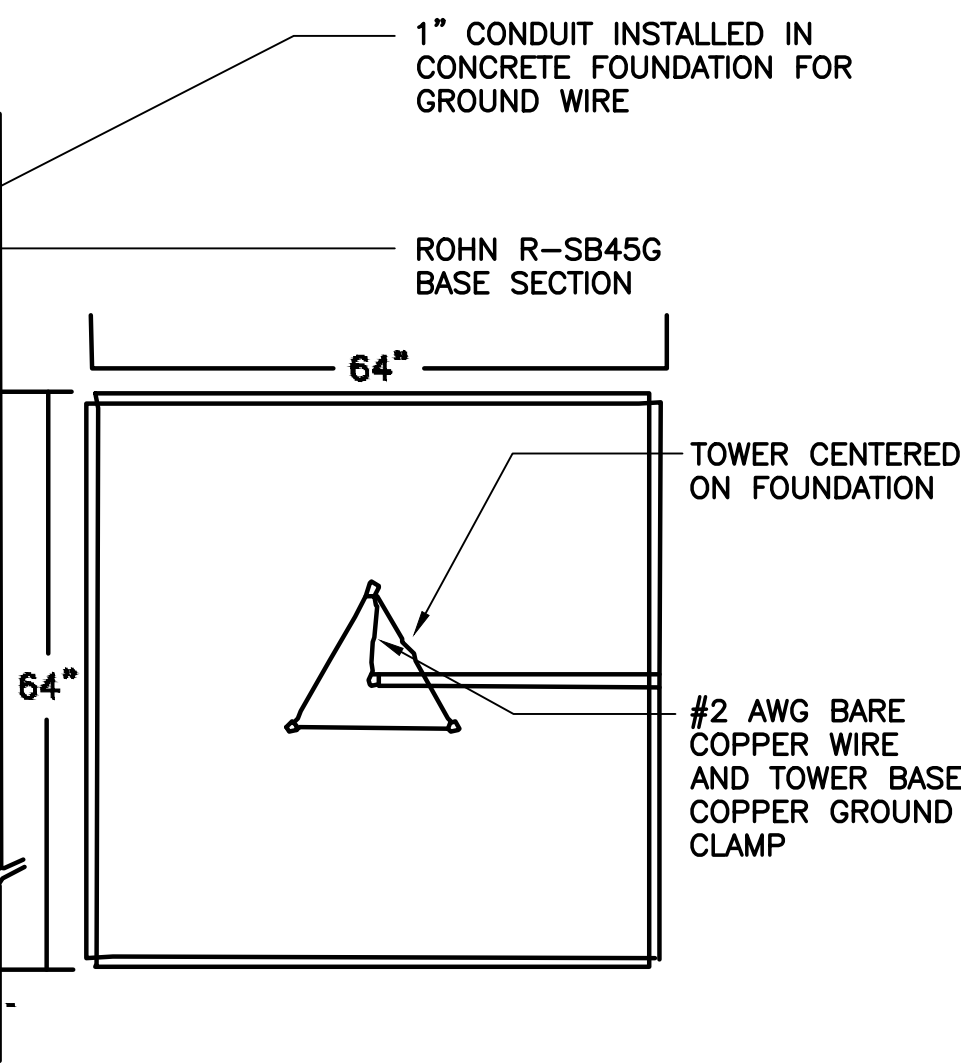
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2 ANTENNA DETAIL
TYP. N.T.S.

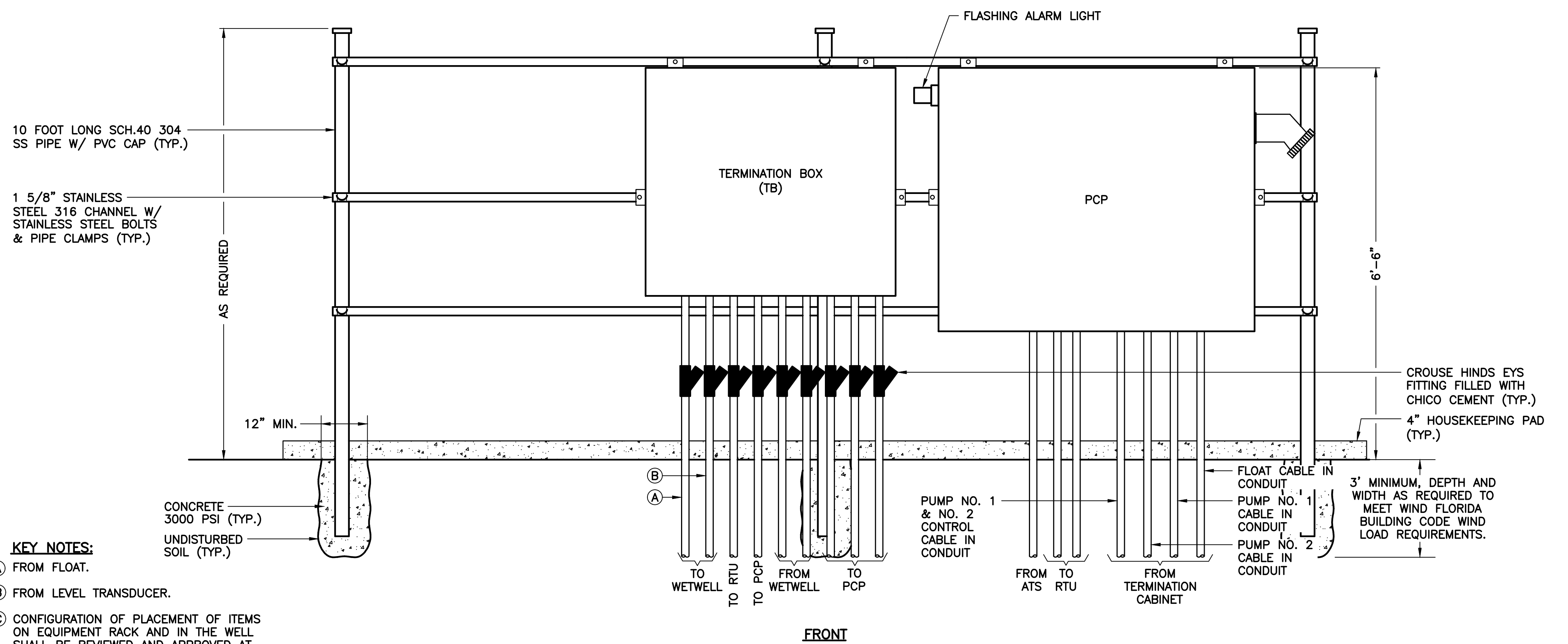
MAST INSTALLATION NOTES:

- A. PROPOSED MAST HEIGHT WILL BE DETERMINED BY BREVARD COUNTY UTILITIES PRIOR TO CONSTRUCTION
- B. NEW MAST TO CONFORM TO THE CURRENT BUILDING AND ZONING CODES
- C. DO NOT CONSTRUCT MAST WITHIN 3 FEET OF AN ELECTRICAL SERVICE DROP (480V OR LESS), WITHIN 10' OF 32KV WITHIN 15' OF UP TO 115 kV OR WITHIN 20' OF LINE EXCEEDING 115 kV
- D. MAST IS ROHN G-SERIES SELF STANDING TOWER MODEL 45G
- E. SHAPE TOP OF SLAB TO PREVENT WATER PONDING
- F. ANTENNA TO BE CERTIFIED PER THE FLORIDA BUILDING CODE. CONTRACTOR SHALL SUBMIT SIGNED AND SEALED WIND LOAD CALCULATIONS FROM STRUCTURAL ENGINEER LICENSED IN THE STATE OF FLORIDA.
- G. STAINLESS STEEL CLAMPS WITH CABLE HANGER KITS AT 2' OC MAX SPACING. CABLE TO BE ROUTED ON INSIDE OF TOWER LEG OPPOSITE RTU CABINET.
- H. NO CONDUIT COUPLINGS PERMITTED BETWEEN TOP OF SAB AND BOTTOM OF RTU CABINET
- I. MEYERS HUBS REQUIRED AT ALL CABINET PENETRATIONS
- J. 1-1/2" UNI-STRUT TO BE USED FOR MOUNTING
- K. RTU INSTALLATION PER INSTRUCTIONS IN RTU KIT
- M. GROUNDING WIRE TO CONNECT TO INSIDE OF TOWER LEG



NOTES:

- ① ALL MOUNTING HARDWARE SHALL BE OF 316 STAINLESS STEEL, UNLESS OTHERWISE NOTED.
- ② CONTRACTOR SHALL SUBMIT SIGNED AND SEALED WIND LOAD CALCULATIONS FROM A STRUCTURAL ENGINEER LICENSED IN THE STATE OF FLORIDA. ELECTRICAL EQUIPMENT SERVICE RACK TO BE CERTIFIED PER FLORIDA BUILDING CODE.



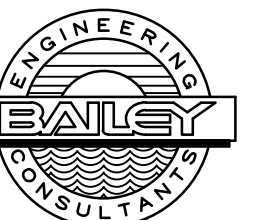
KEY NOTES:

- Ⓐ FROM FLOAT.
- Ⓑ FROM LEVEL TRANSDUCER.
- Ⓒ CONFIGURATION OF PLACEMENT OF ITEMS ON EQUIPMENT RACK AND IN THE WELL SHALL BE REVIEWED AND APPROVED AT DISCRETION OF CITY OF COCOA.
- Ⓓ 3 POINT PADLOCKABLE LATCH.

1 RACK DETAILS
TYP. N.T.S.

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No.	REVISIONS	DATE	BY

Kimley»Horn

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KHA PROJECT
147965001

DATE
MAY 2025

SCALE AS SHOWN

DESIGNED BY FAD

DRAWN BY KRG

CHECKED BY SEB

CITY OF COCOA BEACH

LIFT STATION 3
REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH

LICENSED PROFESSIONAL

STEPHEN E. BAILEY, P.E.

42461

FLORIDA

DATE:

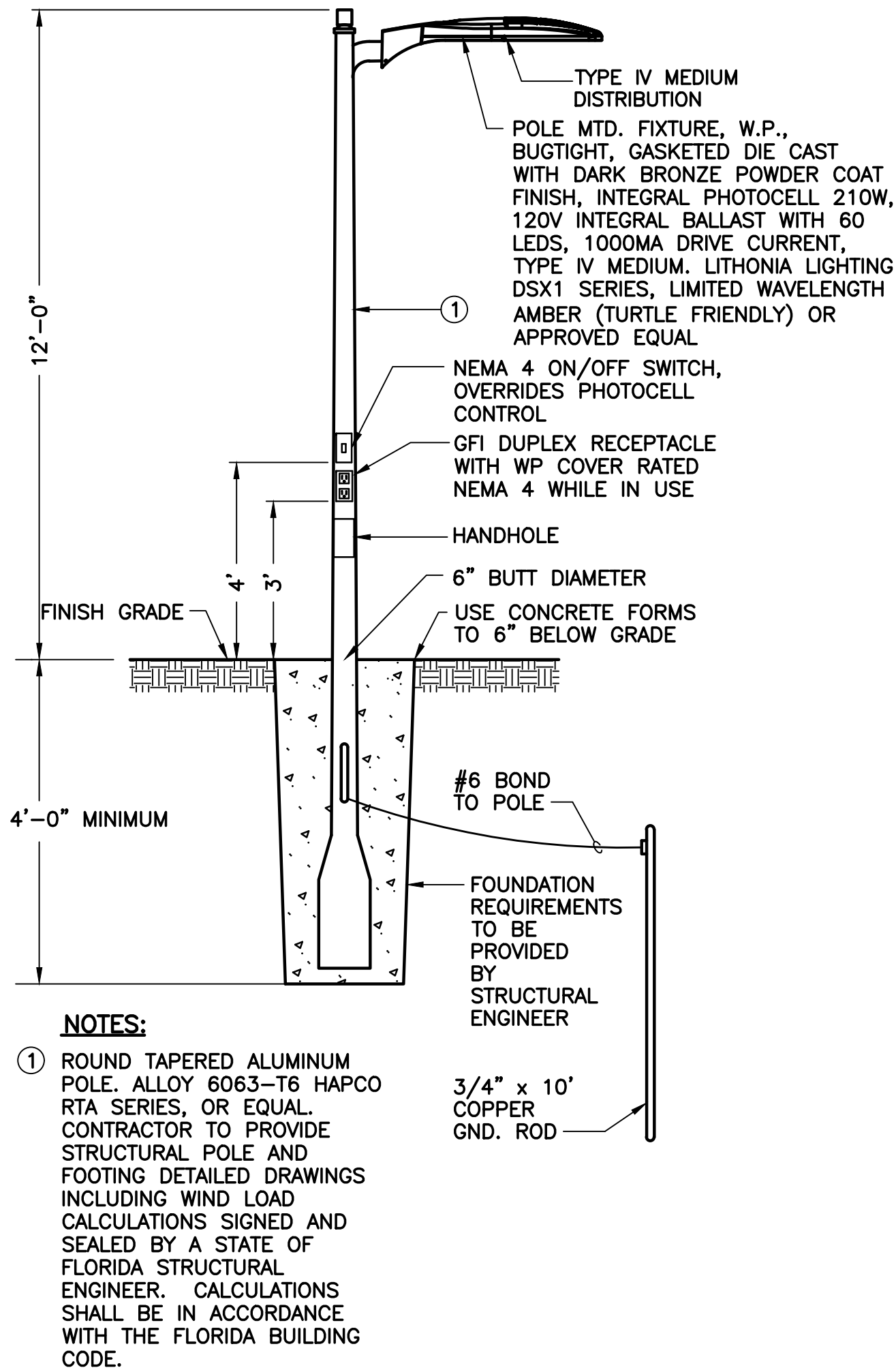
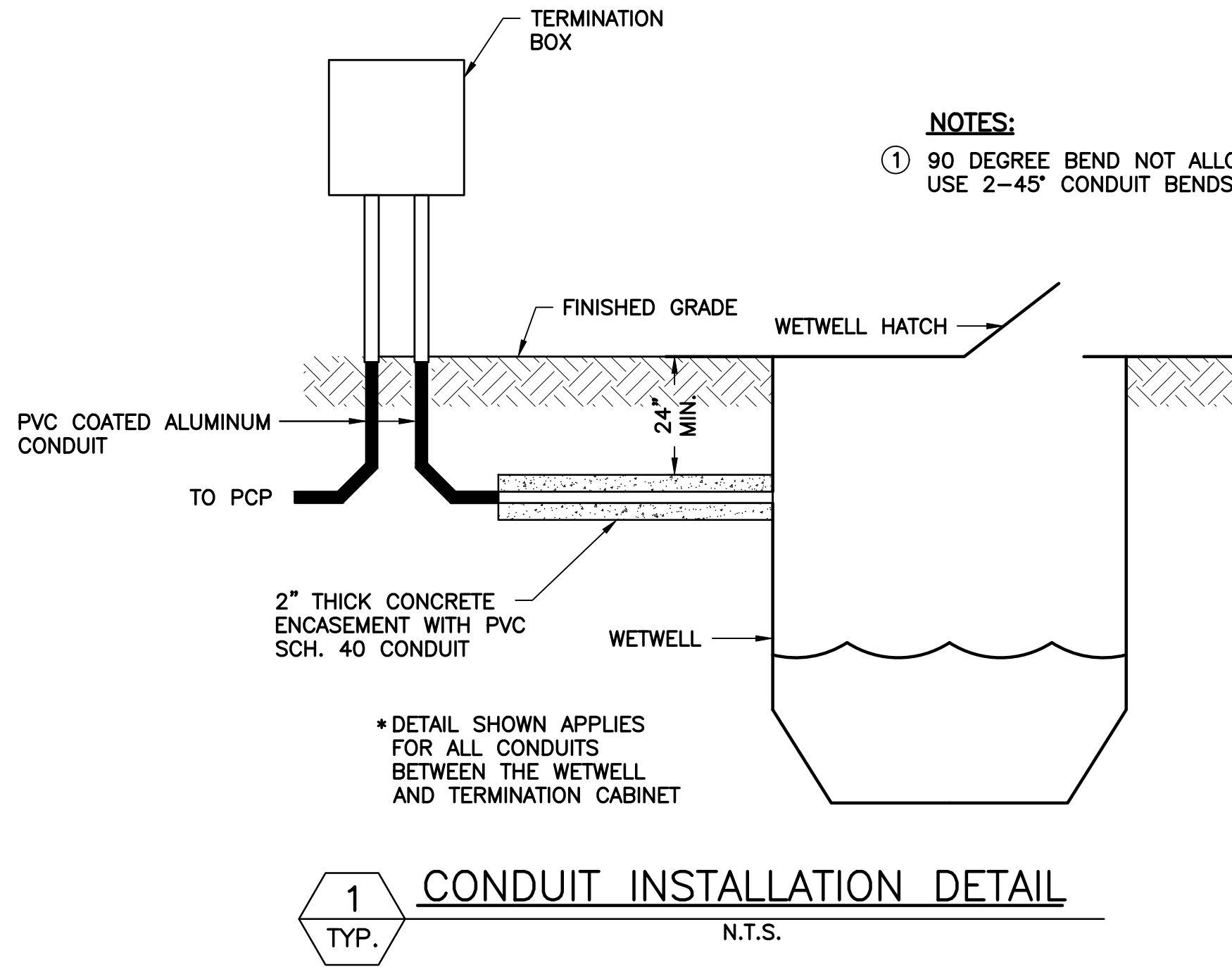
RACK DETAILS

SHEET NUMBER

E-5

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REFERENCE STANDARDS

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
NFPA 70, NATIONAL ELECTRICAL CODE (NEC)
NFPA 79, INDUSTRIAL CONTROL EQUIPMENT
UL 508 – INDUSTRIAL CONTROL EQUIPMENT – FOR CUSTOM FABRICATED EQUIPMENT

GENERAL

ALL INSTRUMENTATION AND ELECTRONIC EQUIPMENT SHALL BE OF THE MANUFACTURERS'S LATEST DESIGN, UTILIZING PRINTED CIRCUITRY AND EPOXY OR EQUAL COATING TO PREVENT CONTAMINATION BY DUST, MOISTURE, AND FUNGUS. THE FIELD MOUNTED EQUIPMENT AND SYSTEM COMPONENTS SHALL BE DESIGNED FOR INSTALLATION IN DUSTY, HUMID AND SLIGHTLY CORROSIVE SERVICE CONDITIONS.

ALL EQUIPMENT CABINETS AND DEVICES FURNISHED SHALL BE HEAVY DUTY TYPE, DESIGNED FOR CONTINUOUS INDUSTRIAL SERVICE. THE SYSTEM SHALL CONTAIN SIMILAR PRODUCTS OF A SINGLE MANUFACTURER AND SHALL CONSIST OF EQUIPMENT MODELS, WHICH ARE CURRENTLY IN PRODUCTION. ALL EQUIPMENT PROVIDED SHALL BE OF MODULAR CONSTRUCTION AND SHALL BE CAPABLE OF FIELD EXPANSION.

ALL SWITCHES SHALL HAVE DOUBLE POLE, DOUBLE THROW CONTACTS RATED AT A MINIMUM OF 600 VA, UNLESS NOTED OTHERWISE.

SWITCHES AND/OR SIGNALS INDICATING AN ALARM, FAILURE OR UPSET CONDITION SHALL BE WIRED IN A FAIL–SAFE MANNER. A FAIL–SAFE CONDITION IS AN OPEN CIRCUIT WHEN IN AN ALARM STATE.

MATERIALS AND EQUIPMENT SHALL BE UL APPROVED WHENEVER SUCH APPROVED EQUIPMENT AND MATERIALS ARE AVAILABLE.

ETHICAL SURGE PROTECTION

SURGE PROTECTION SHALL BE PROVIDED TO PROTECT THE ELECTRONIC INSTRUMENTATION SYSTEM FROM INDUCED SURGES PROPAGATING ALONG THE SIGNAL AND POWER SUPPLY LINES FROM LIGHTNING OR THE UTILITY SYSTEM. THE PROTECTION SYSTEMS SHALL BE SUCH THAT THE PROTECTIVE LEVEL SHALL NOT INTERFERE WITH NORMAL OPERATION, BUT SHALL BE LOWER THAN THE INSTRUMENT SURGE WITHSTAND LEVEL. PROTECTION SHALL BE MAINTENANCE FREE AND SELF RESTORING. DEVICES SHALL HAVE A RESPONSE TIME OF LESS THEN 50 NANOSECONDS AND BE CAPABLE OF HANDLING A DISCHARGE SURGE CURRENT (AT AN 8X20MS IMPULSE WAVEFORM) OF AT LEAST 8 KA.

PROVIDE PROTECTION OF ALL 120 VAC POWER FEEDS INTO CONTROL PANELS AND INSTRUMENTS.

PROVIDE PROTECTION OF ALL ANALOG SIGNAL (4–20 MA) CIRCUITS WHERE ANY PART OF THE CIRCUIT IS OUTSIDE OF THE BUILDING ENVELOPE.

PROVIDE PROTECTION OF ALL COMMUNICATION CABLES BETWEEN RADIOS AND ANTENNAS. MOUNT THIS PROTECTION EITHER INSIDE THE PANEL OR IN THE ALL OF THE ENCLOSURE IN ACCORDANCE WITH NEMA AND UL STANDARDS. INSTALL SURGE PROTECTIVE DEVICES AT EACH END OF ALL ANTENNA CABLE PROVIDED.

GROUND WIRES FOR ALL INSTRUMENTATION DEVICE SURGE PROTECTORS SHALL BE CONNECTED TO A LOW RESISTANCE GROUND.

PROVIDE COAXIAL GROUNDING KIT FOR EACH RADIO.

PROVIDE GROUNDING KITS, TWO FOR EACH ANTENNAE INSTALLATION (TOP AND BOTTOM).

FURNISH AND INSTALL GROUND ROD AND GROUND WIRE AS SHOWN ON DRAWING.

ANTENNA AND MASTS

ANTENNA AND MAST SHALL BE PROVIDED, INSTALLED, AND CONFIGURED FOR RADIO TELEMETRY. ANTENNA SHALL BE YAGI–DIRECTIONAL. ANTENNA FREQUENCY RANGE SHALL INCLUDE 450–462 MHZ. THE ANTENNAS SHALL BE FABRICATED OF 6061/T6 ALUMINUM ROD AND SEAMLESS DRAWN PIPE, ANODIZED FOR MAXIMUM RELIABILITY AND CORROSION RESISTANCE. THE HARDWARE AND FASTENINGS SHALL BE STAINLESS STEEL. RATED WIND VELOCITY SHALL BE 150 MPH (NOMINAL); 180 MPH (MAX). THE ANTENNA MAST SHALL BE SELF–SUPPORTING.

ANTENNA CABLE ASSEMBLY

ANTENNA CABLE ASSEMBLIES SHALL BE PROVIDED AND INSTALLED BETWEEN THE ANTENNA AND THE RADIO. CABLE LENGTHS WILL BE DETERMINED BY COORDINATING WITH THE OWNER AS TO THE ANTENNA, MAST, AND TOWER LOCATIONS AND THE LOCATION OF THE ENCLOSURES IN WHICH THE RADIO IS INSTALLED.

EACH ANTENNA CABLE ASSEMBLY SHALL CONSIST OF FOAM–INSULATED COAXIAL CABLE, CONNECTORS, GROUNDING KIT, SURGE PROTECTOR, JUMPER CABLES, AND TOWER CLAMPS AS REQUIRED FOR A COMPLETE OPERATIONAL COMMUNICATIONS LINK.

CABLE ASSEMBLIES SHALL BE PROVIDED AND INSTALLED, COMPLETE WITH CABLE CONNECTOR AND FASTENING HARDWARE FOR ALL ANTENNAS.

CABLE SIZE

1. LESS THEN 100 FT. (30M) IN LENGTH 1/2 INCH (13MM) DIAMETER MINIMUM
2. 100 FT. TO 200 FT. (30M TO 60M) IN LENGTH: 7/8 INCH (22MM) DIAMETER MINIMUM
3. GREATER THEN 200 FT. (60M) IN LENGTH 1–5/8 INCH (41MM) DIAMETER MINIMUM

CABLE INSTALLATION

THE CABLE SHALL BE GROUNDED AT THREE LOCATIONS:

1. AT THE ANTENNA LOCATION (GROUND TO TOWER).
2. AT THE POINT THE CABLE LEAVES THE TOWER (GROUND TO TOWER).
3. AT THE RADIO EQUIPMENT LOCATION (GROUND TO THE EXISTING SYSTEM GROUND).
4. FURNISH A SINGLE CONTINUOUS PIECE OF COAXIAL CABLE FOR THE MAIN RUNS OF THE CABLE; SPLICING IN NOT ACCEPTABLE.
5. WEATHERPROOF ALL ANTENNA CABLE CONNECTIONS USING BUTYL RUBBER TAPE.

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KHA PROJECT 147965001
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY FAD
DRAWN BY KRG
CHECKED BY SEB

CITY OF COCOA BEACH

LIFT STATION 3
REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH

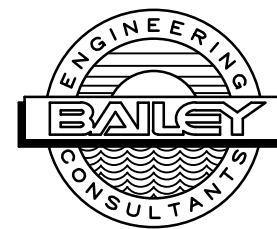
LICENSED PROFESSIONAL
STEPHEN E. BAILEY, P.E.
42461
FLORIDA
DATE:

ELECTRICAL DETAILS - 1

SHEET NUMBER

E-6

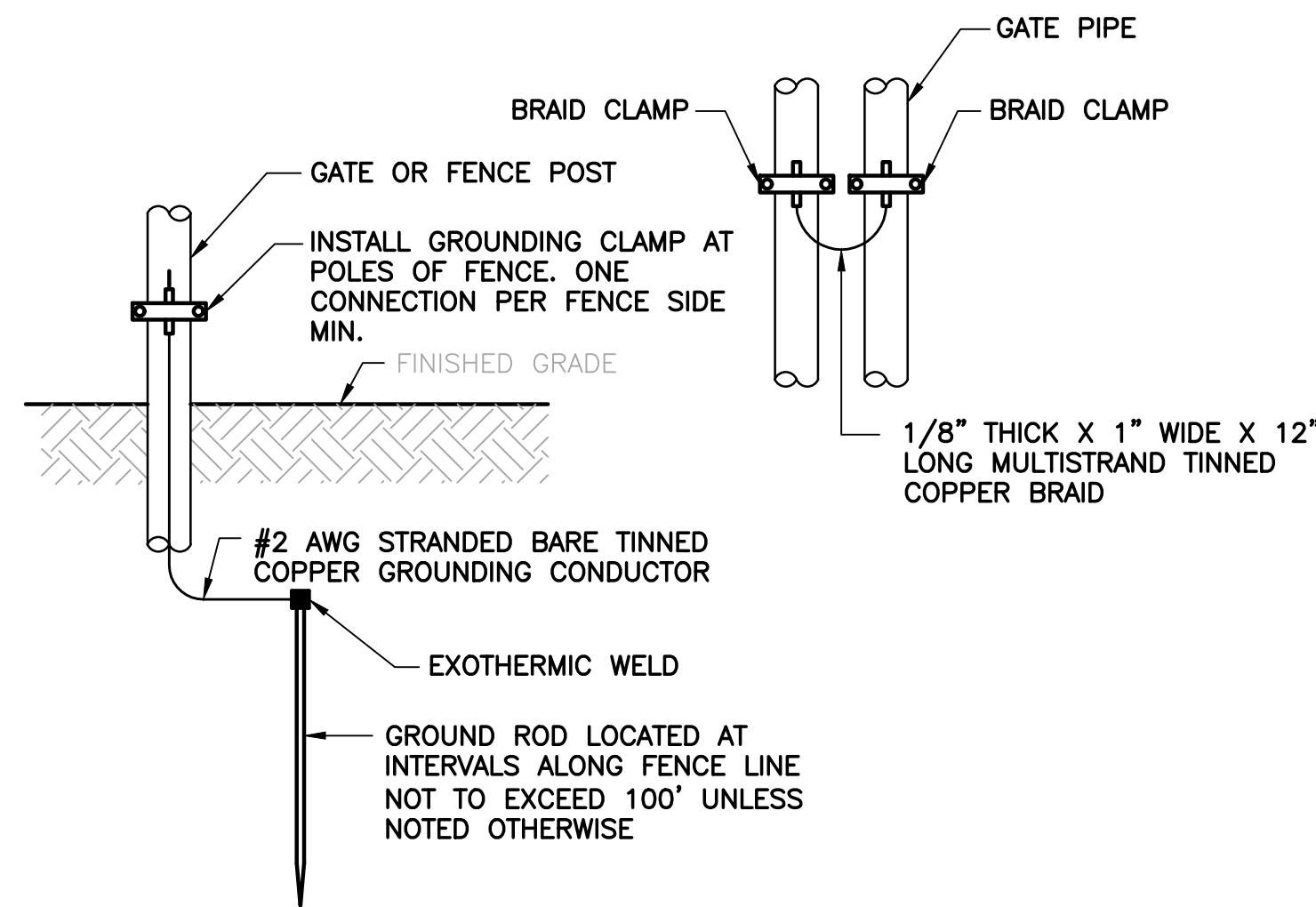
10620 GRIFFIN ROAD, SUITE 202
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Florida P.E. No. 42461



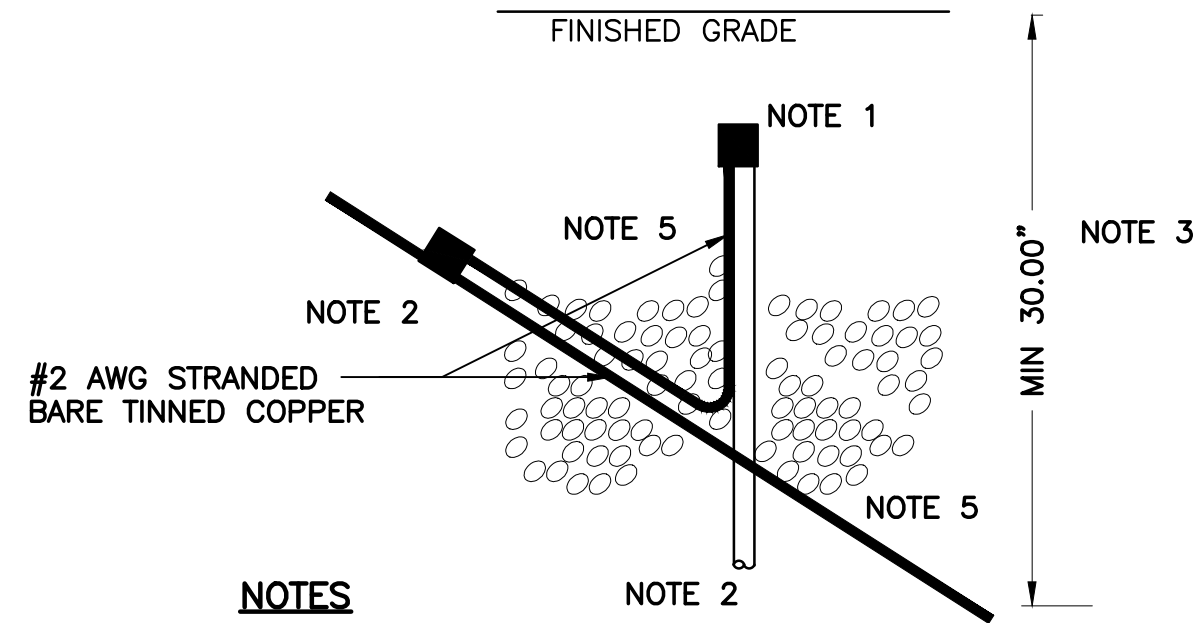
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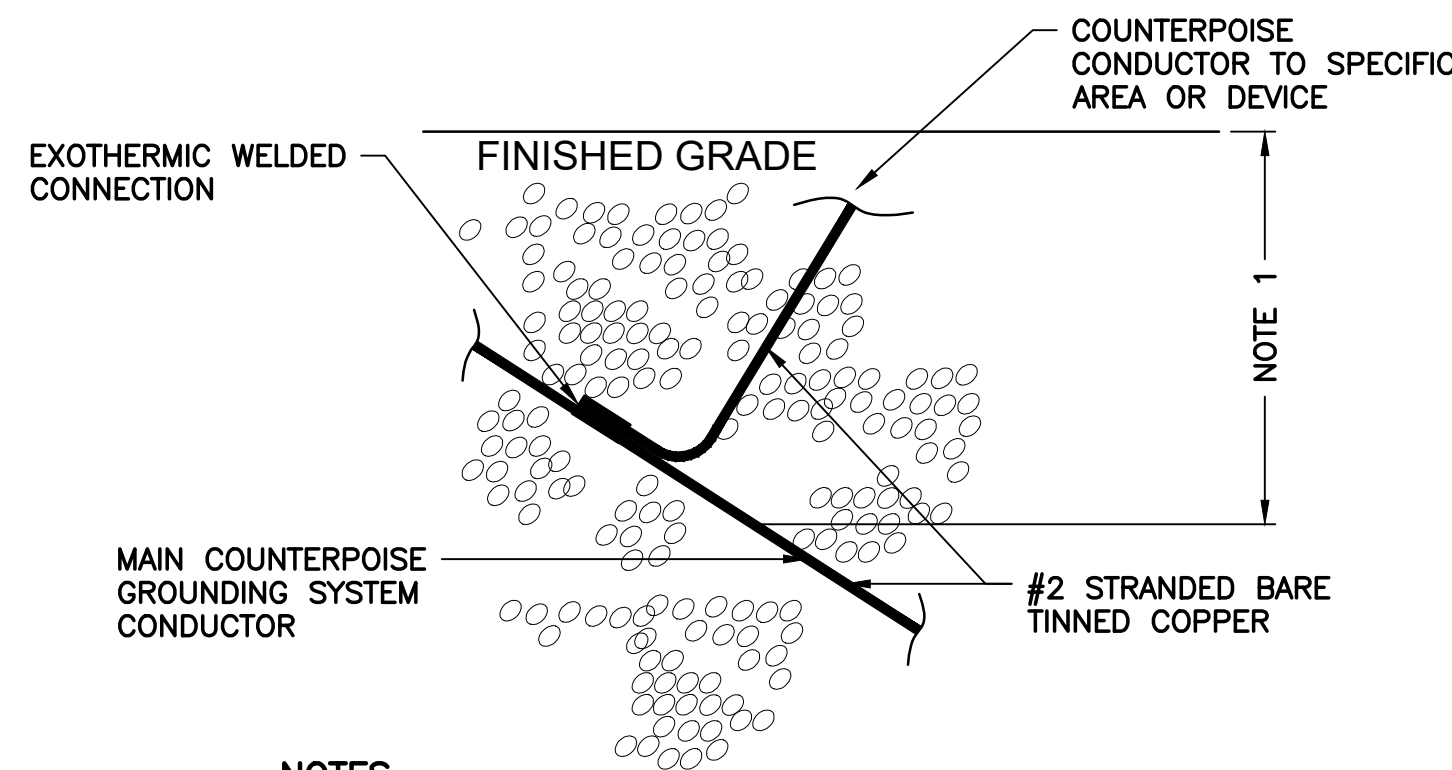


1
TYP. TYPICAL GATE/FENCE POST
GROUNDING DETAIL
NOT TO SCALE



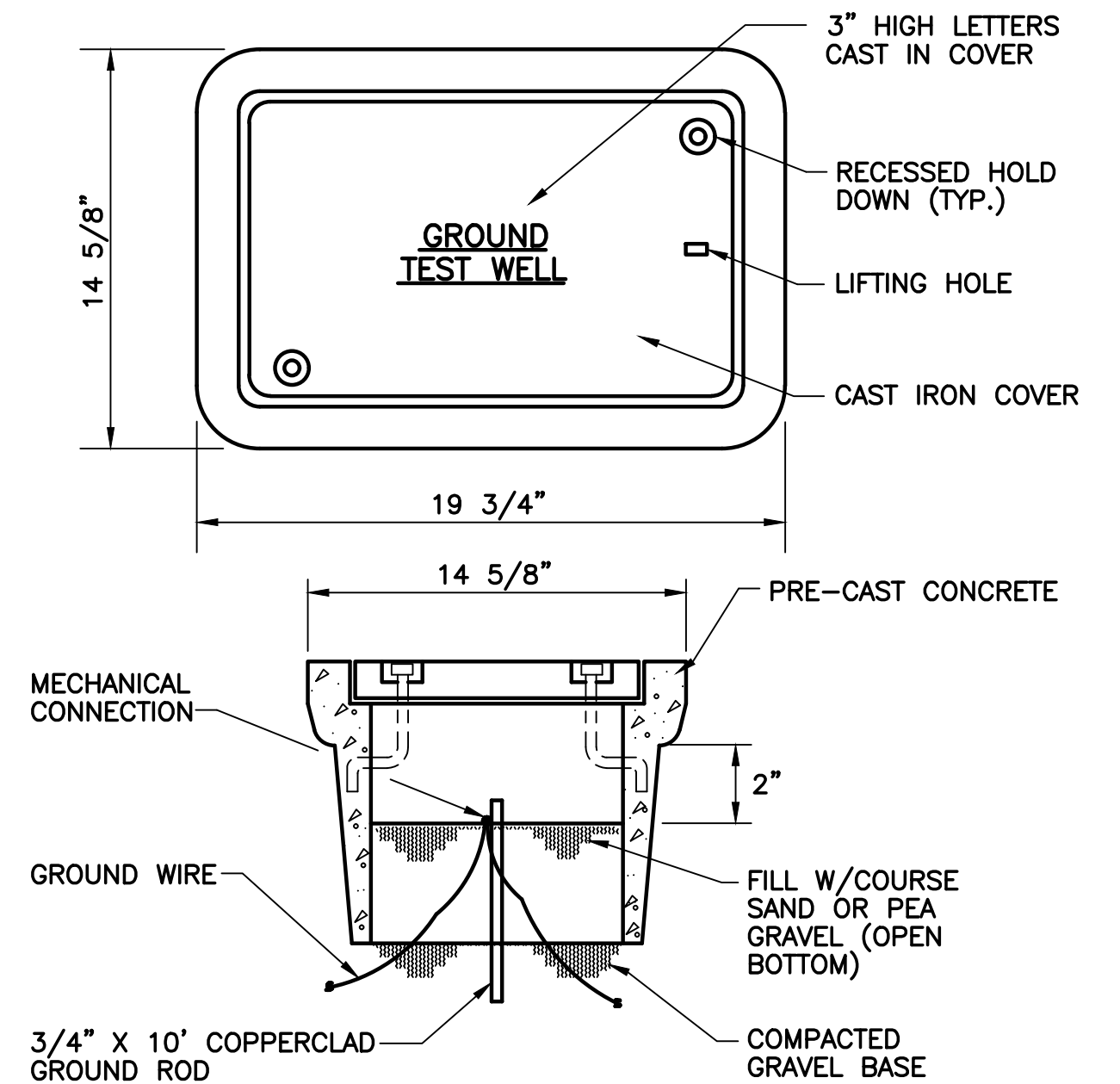
- NOTES**
- GROUND ROD TO COUNTERPOISE CONDUCTOR SHALL BE CONNECTED BY MEANS OF AN EXOTHERMIC WELD. GROUND ROD SHALL BE 3/4" IN DIAMETER AND 10' LENGTH MINIMUM.
 - COUNTERPOISE CONDUCTOR TO CONDUCTOR CONNECTION SHALL BE CONNECTED BY MEANS OF EXOTHERMIC WELD AND THE CONDUCTOR FROM COUNTERPOISE LENGTH TO GROUND ROD SHALL HAVE A MINIMUM OF 36 INCHES.
 - UNDERGROUND INSTALLATION OF COUNTERPOISE SYSTEM SHALL BE BURIED AT A MINIMUM DEPTH OF 30 INCHES.
 - ALL COMPONENTS USED IN INSTALLATION WITHIN SHALL COMPLY WITH SPECIFICATION 26 05 26.
 - #2 AWG STRANDED BARE TINNED COPPER CONDUCTOR

2
TYP. COUNTERPOISE GROUND
ROD CONNECTION DETAIL
N.T.S.

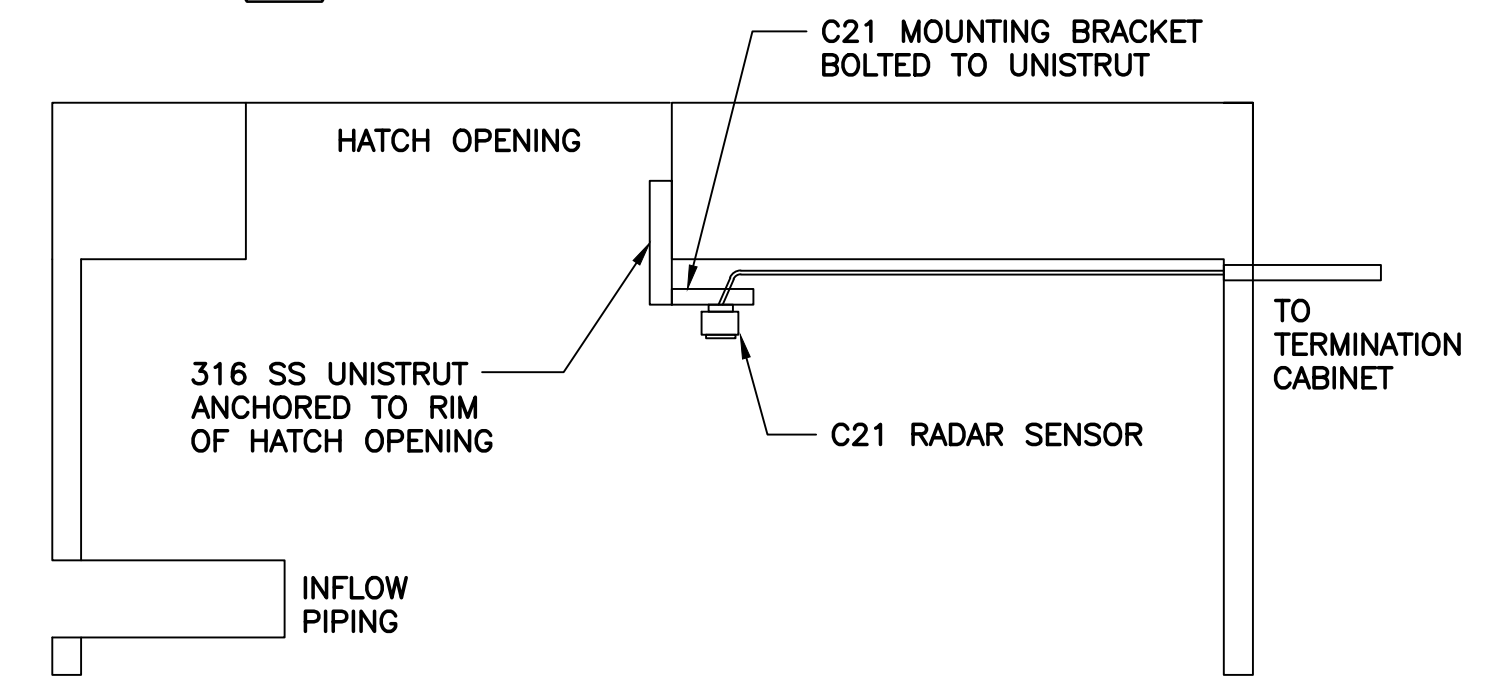


- NOTES**
- UNDERGROUND INSTALLATION OF COUNTERPOISE SYSTEM SHALL BE BURIED AT A MINIMUM DEPTH OF 30 INCHES.
 - ALL COMPONENTS USED IN INSTALLATION WITHIN SHALL COMPLY WITH SPECIFICATION 26 05 26.

3
TYP. COUNTERPOISE CONDUCTOR
CONNECTION DETAIL
N.T.S.

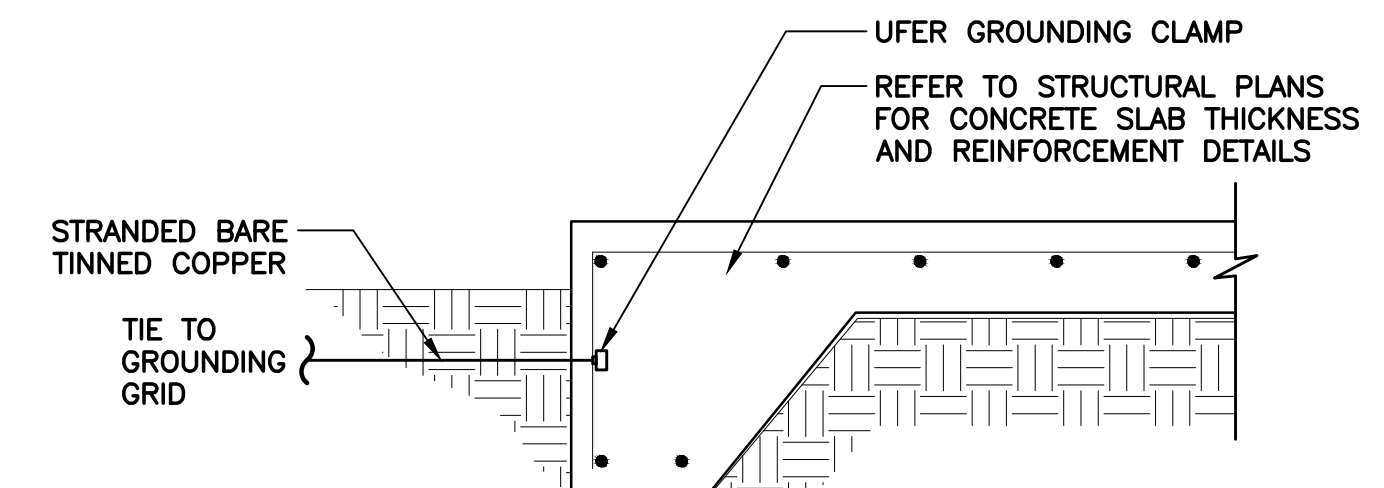


4
TYP. GROUND TEST WELL
N.T.S.

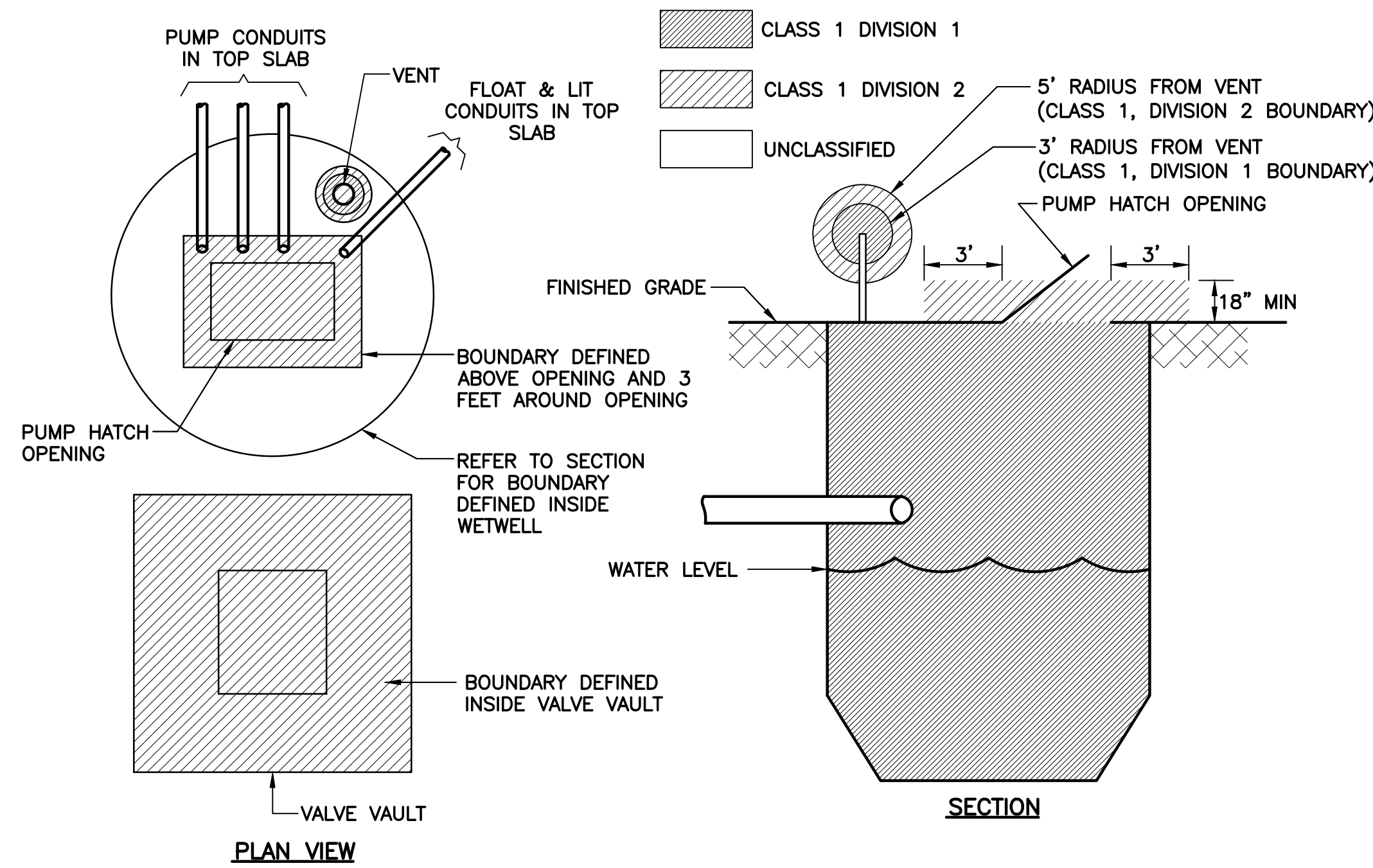


- NOTES:**
- THE C21 RADAR SENSOR SHALL BE MOUNTED PER MANUFACTURER'S REQUIREMENTS, IN AN AREA FREE FROM OBSTRUCTION AND AWAY FROM THE INFLOW PIPING

7
TYP. VEGAPULS C21 MOUNTING DETAIL
N.T.S.



6
TYP. PUMP CABLE MOUNTING DETAIL
N.T.S.



8
TYP. CONCRETE SLAB GROUNDING DETAIL
N.T.S.

5
TYP. BOUNDARY CLASSIFICATION
N.T.S.

No.	REVISIONS	DATE	BY

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REHABILITATION
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CITY OF COCOA BEACH

FLORIDA

LICENSED PROFESSIONAL
STEPHEN E. BAILEY, P.E.
42461

DATE:

ELECTRICAL DETAILS - 2

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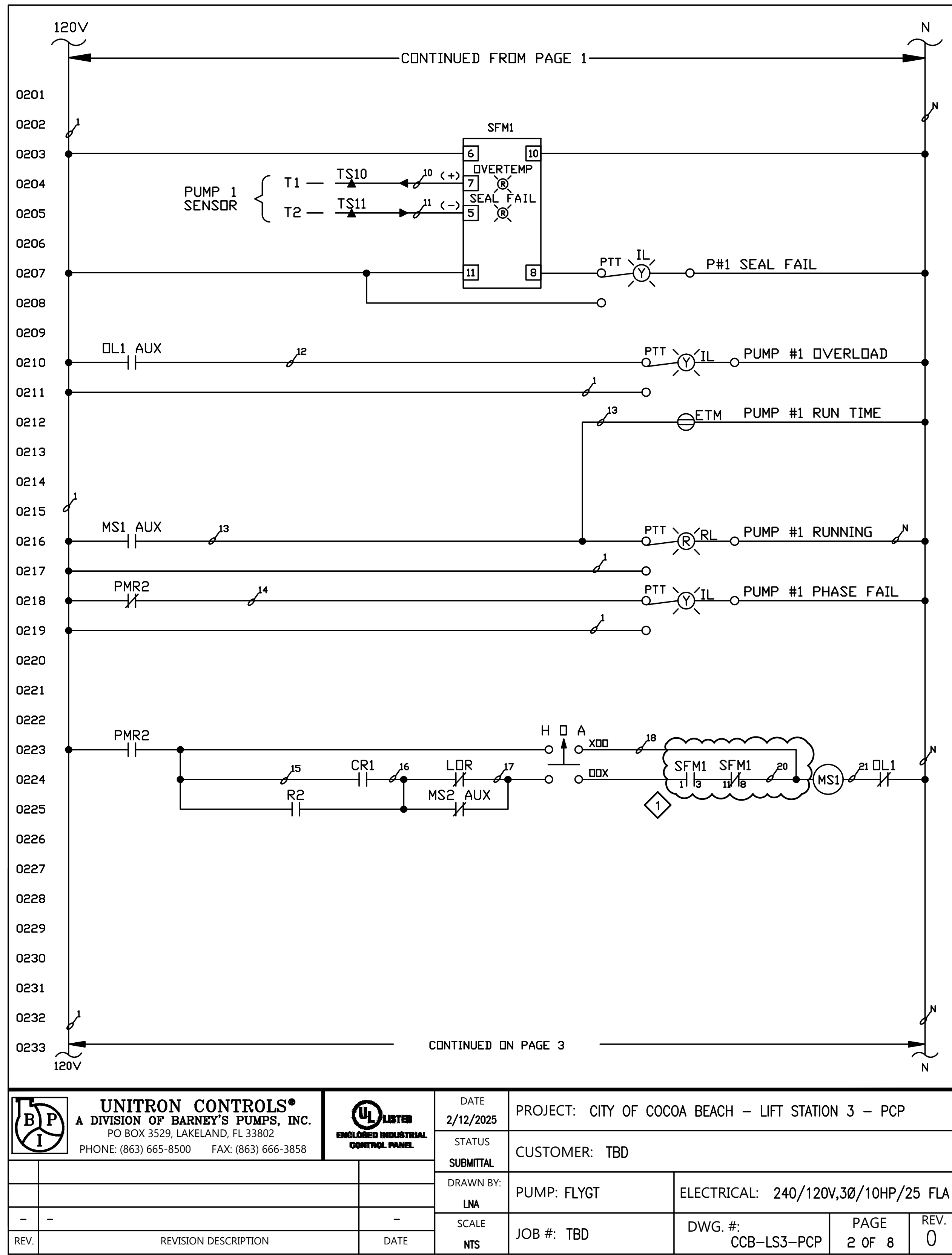
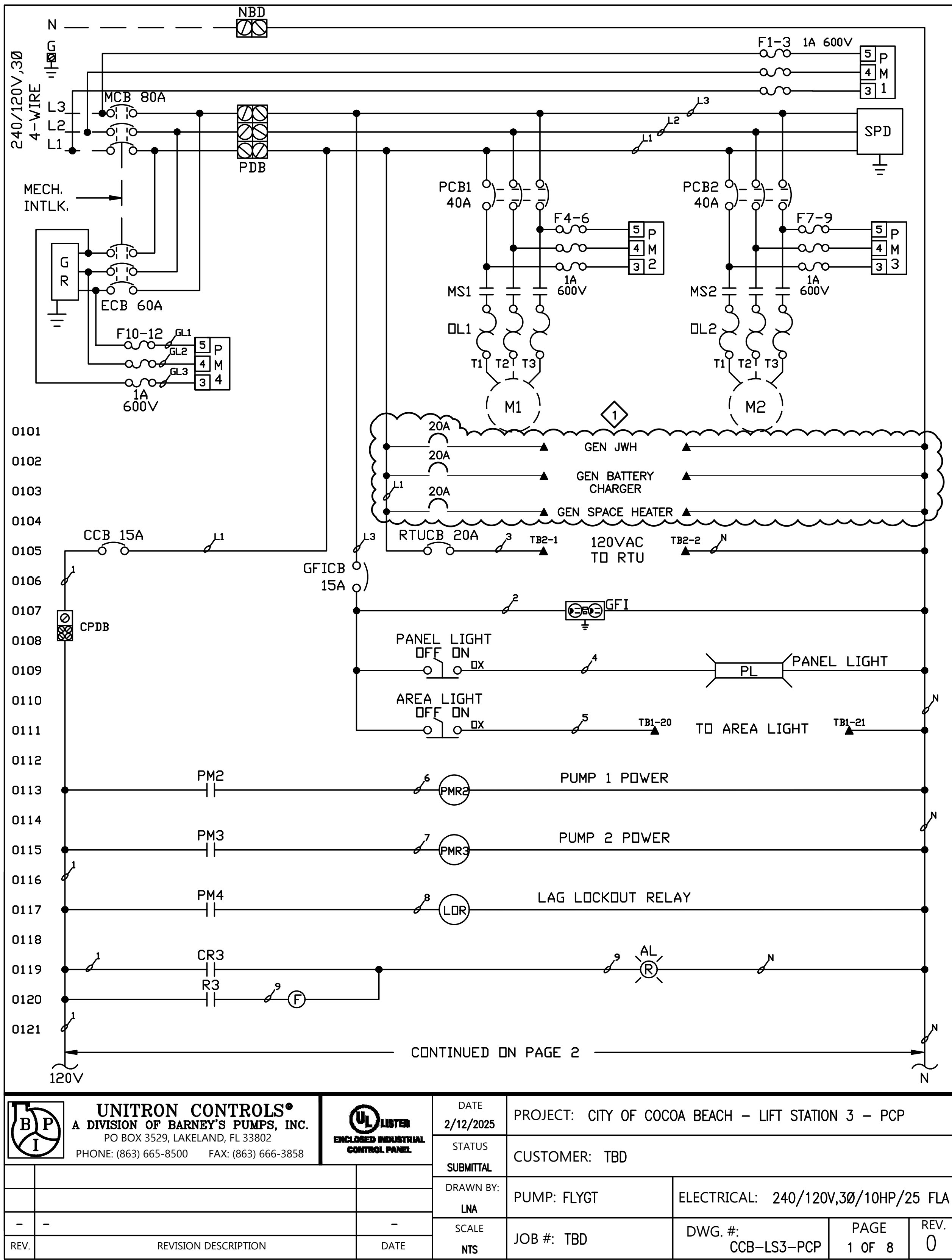


SHEET NUMBER

E-7

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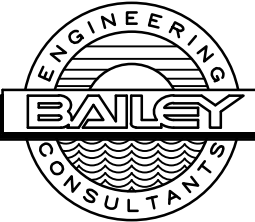
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1 BEC DESIGN REVISION

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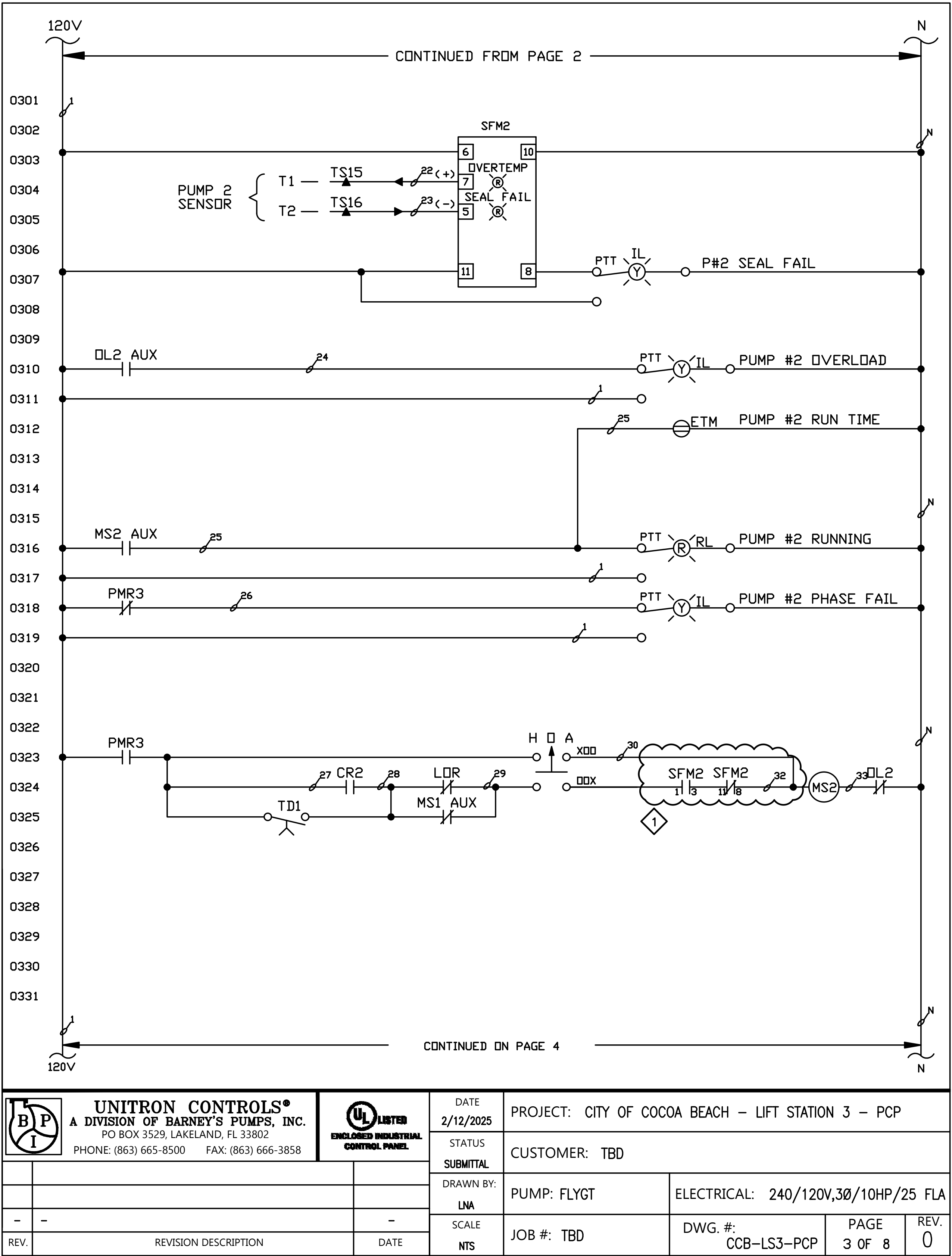
PCP DIAGRAM-1

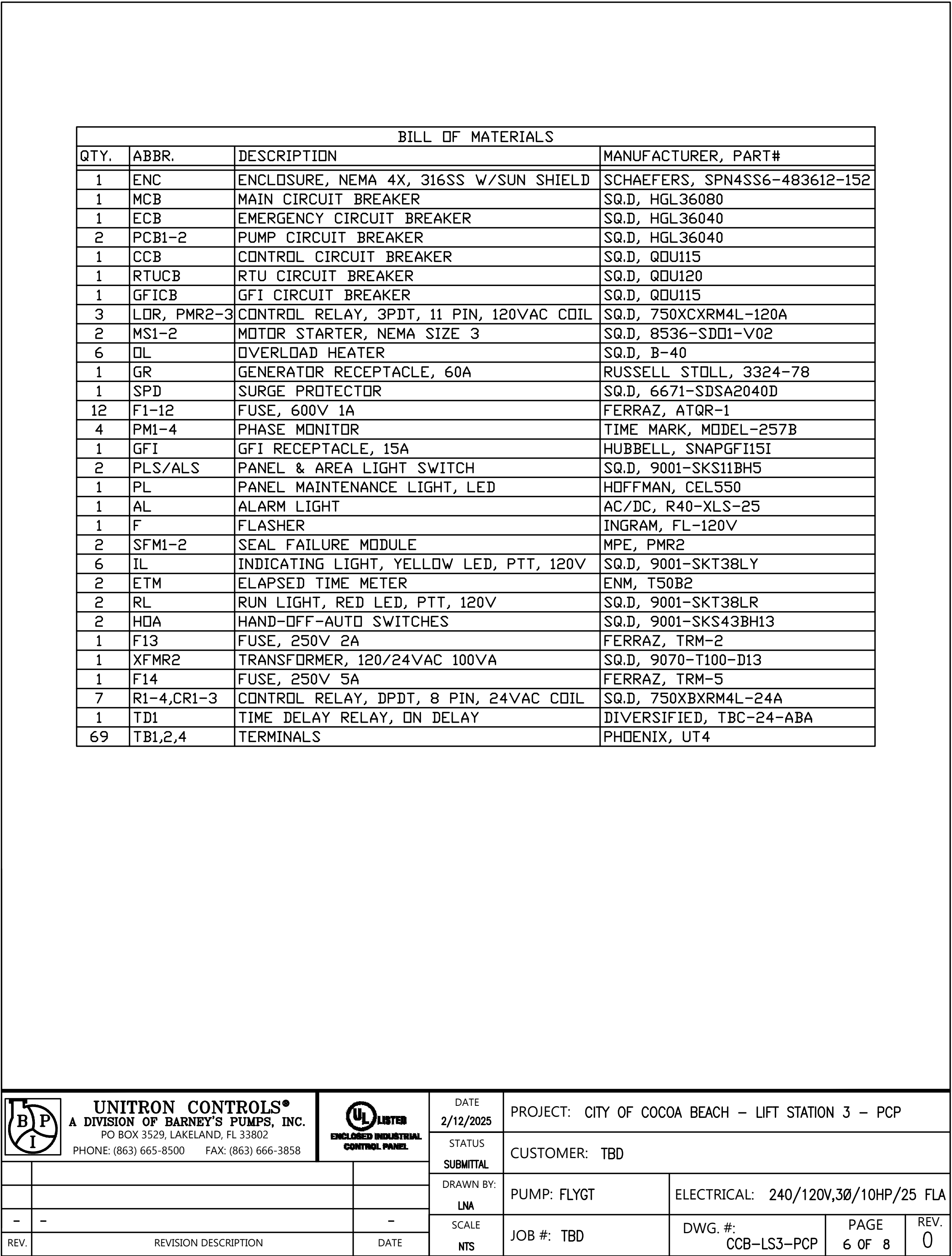
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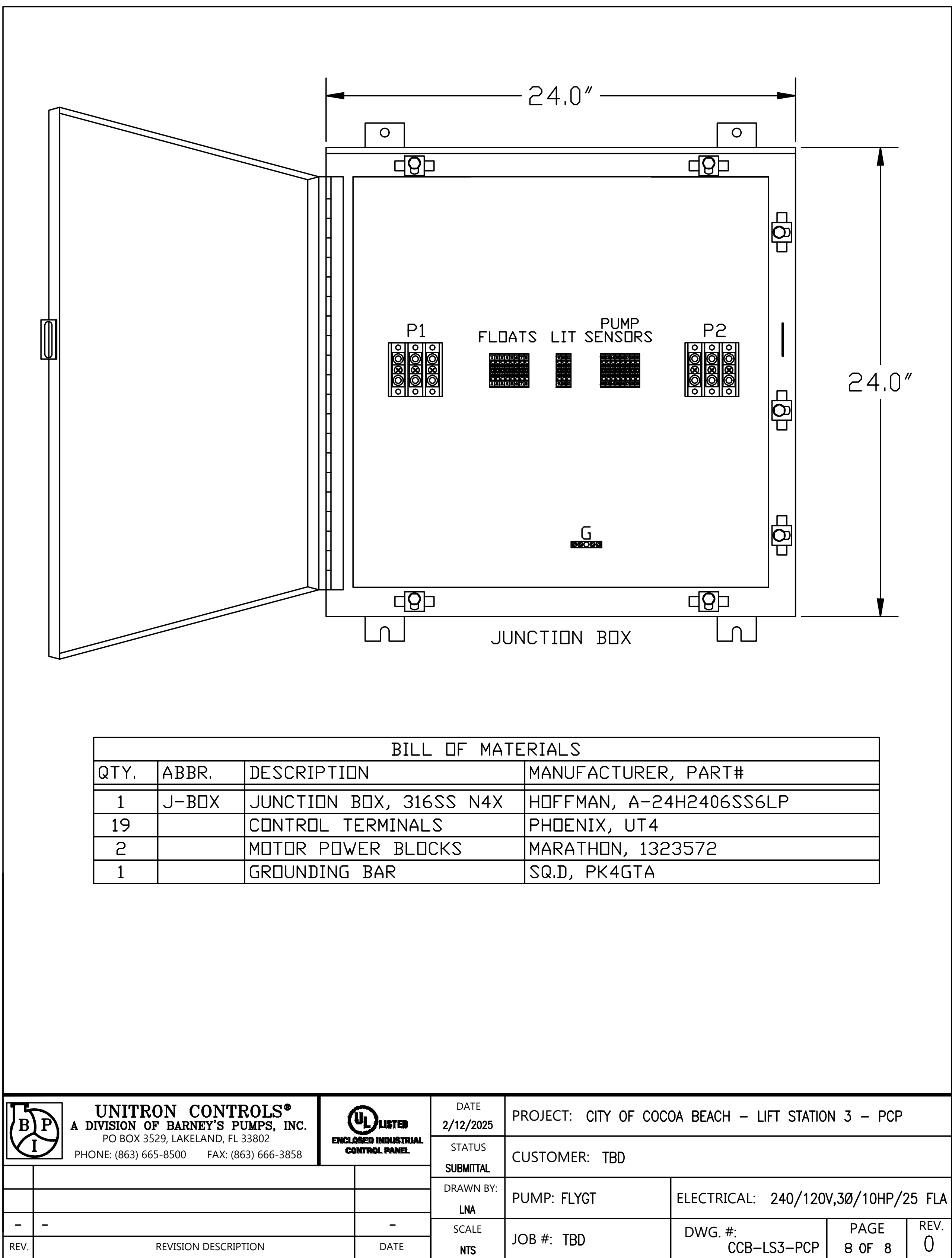
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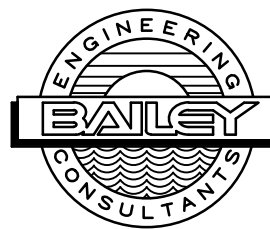
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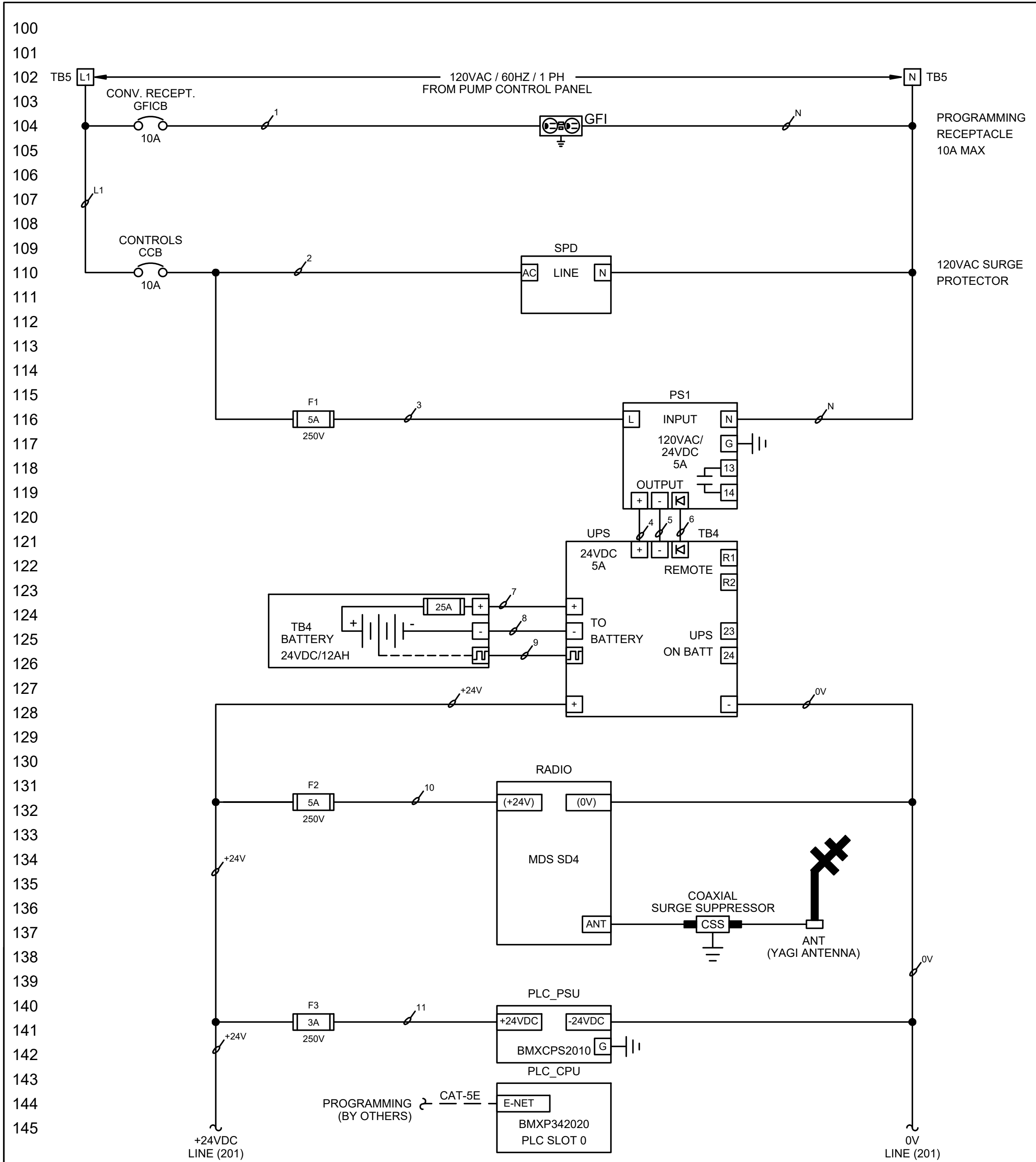




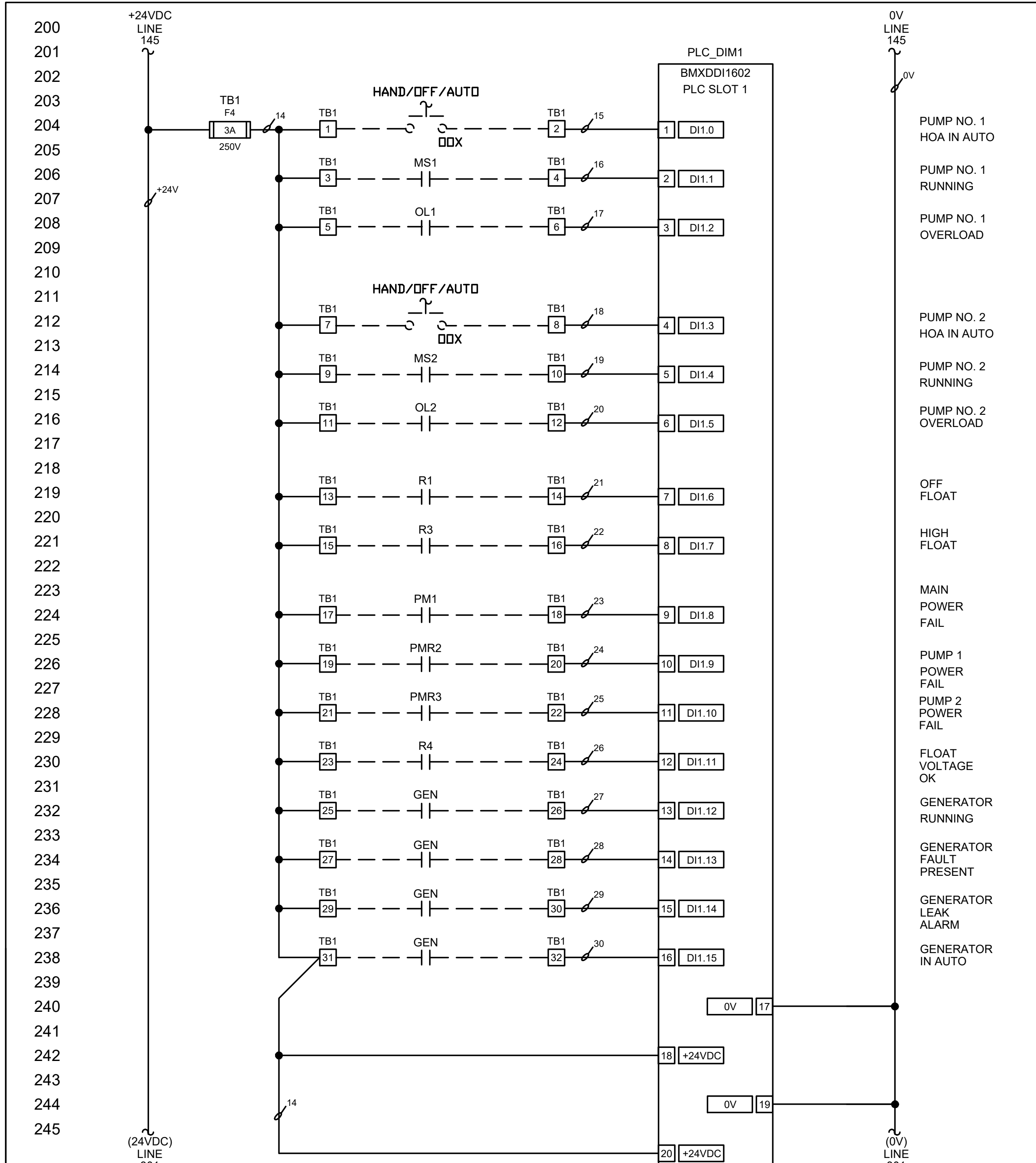
10620 GRIFFIN ROAD, SUITE 202
COOPER CITY, FLORIDA 33328
PHONE: (954) 448-7930
C.O.A. NO. 6783
Stephen E. Bailey, P.E.
Florida P.E. No. 42461

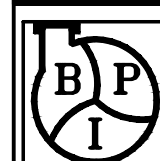


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		STATUS SUBMITAL	CUSTOMER: TBD			
		DRAWN BY: LNA	PUMP: FLYGT	ELECTRICAL: 120V,1Ø		
-	-	SCALE NTS	JOB #: TBD	DWG. #: CCB-RTU	PAGE 1 OF 7	REV. 0
REV.	REVISION DESCRIPTION		DATE			



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-	-	SCALE NTS	JOB #: TBD	DWG. #: CCB-RTU	PAGE 2 OF 7	REV. 0
REV.	REVISION DESCRIPTION		DATE			

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PHONE: 321-430-1138
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT
147965001
DATE
MAY 2025
SCALE AS SHOWN
DESIGNED BY FAD
DRAWN BY KRG
CHECKED BY SEB

CITY OF COCOA BEACH

LIFT STATION 3
REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH

FLORIDA

LICENSED PROFESSIONAL
STEPHEN E. BAILEY, P.E.
42461

DATE:

BID SET

RTU DIAGRAM-1

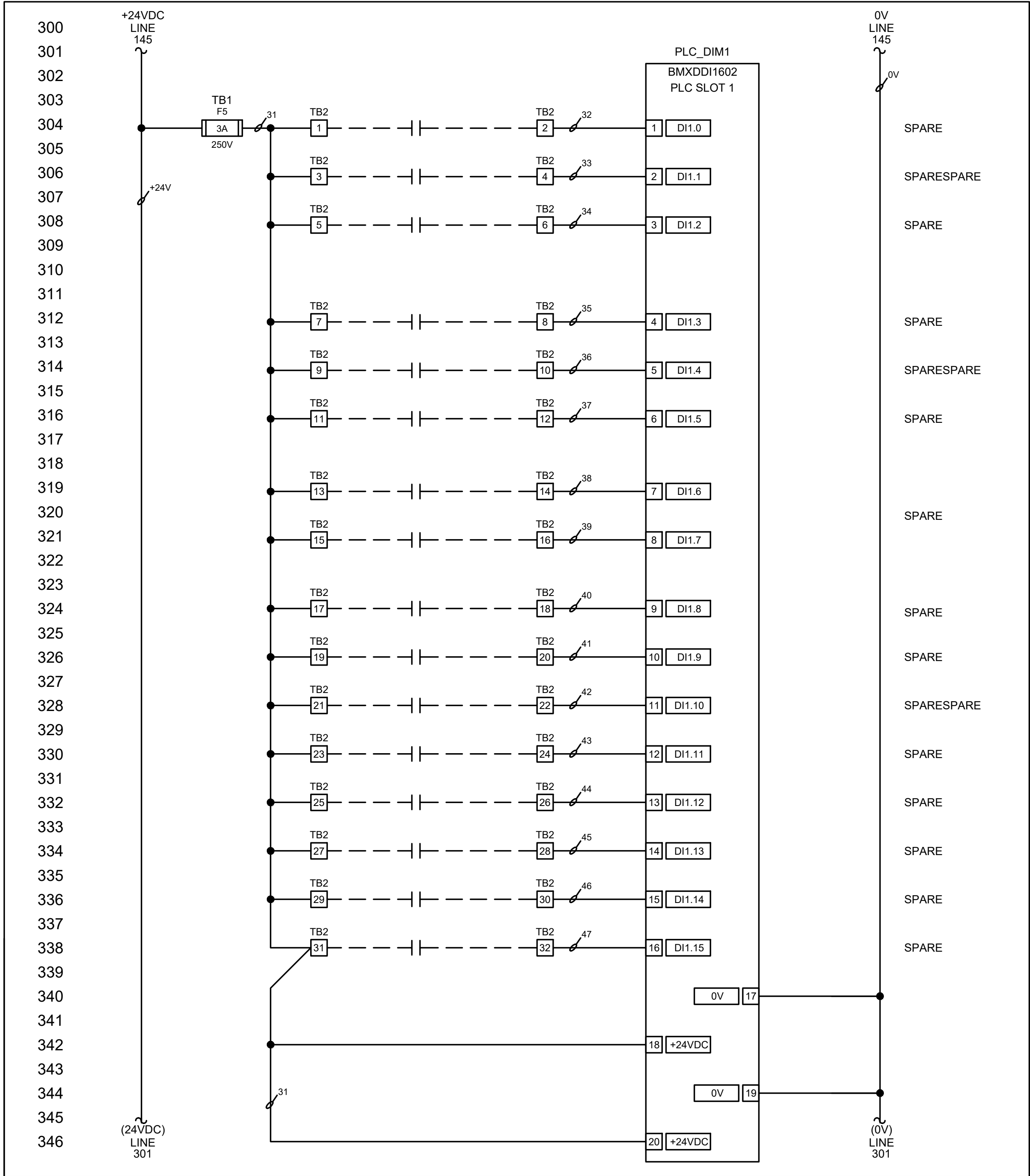
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C.O.A. NO. 6783
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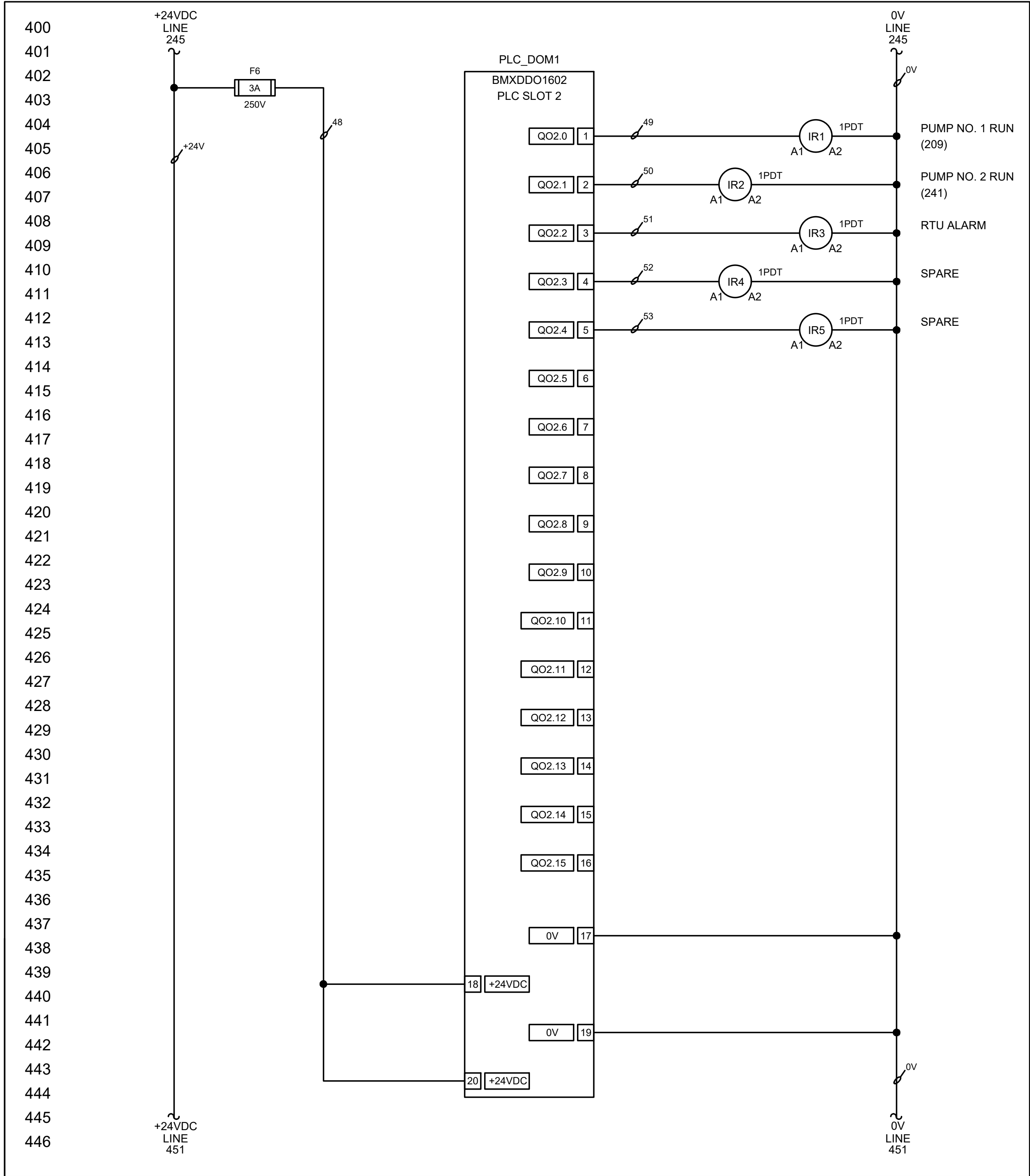


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		STATUS SUBMITTAL	CUSTOMER: TBD			
		DRAWN BY: LNA	PUMP: FLYGT	ELECTRICAL: 120V,1Ø		
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		STATUS SUBMITTAL	CUSTOMER: TBD			
		DRAWN BY: LNA	PUMP: FLYGT	ELECTRICAL: 120V,1Ø		
REV. -		SCALE NTS	JOB #: TBD	DWG. #: CCB-RTU	PAGE 4 OF 7	REV. 0

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KHA PROJECT
147965001

DATE
MAY 2025

SCALE AS SHOWN

DESIGNED BY FAD

DRAWN BY KRG

CHECKED BY SEB

LIFT STATION 3
REHABILITATION

PREPARED FOR
CITY OF COCOA BEACH

FLORIDA

DATE:

LICENSED PROFESSIONAL

STEPHEN E. BAILEY, P.E.

42461

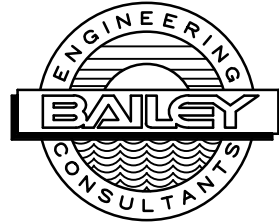
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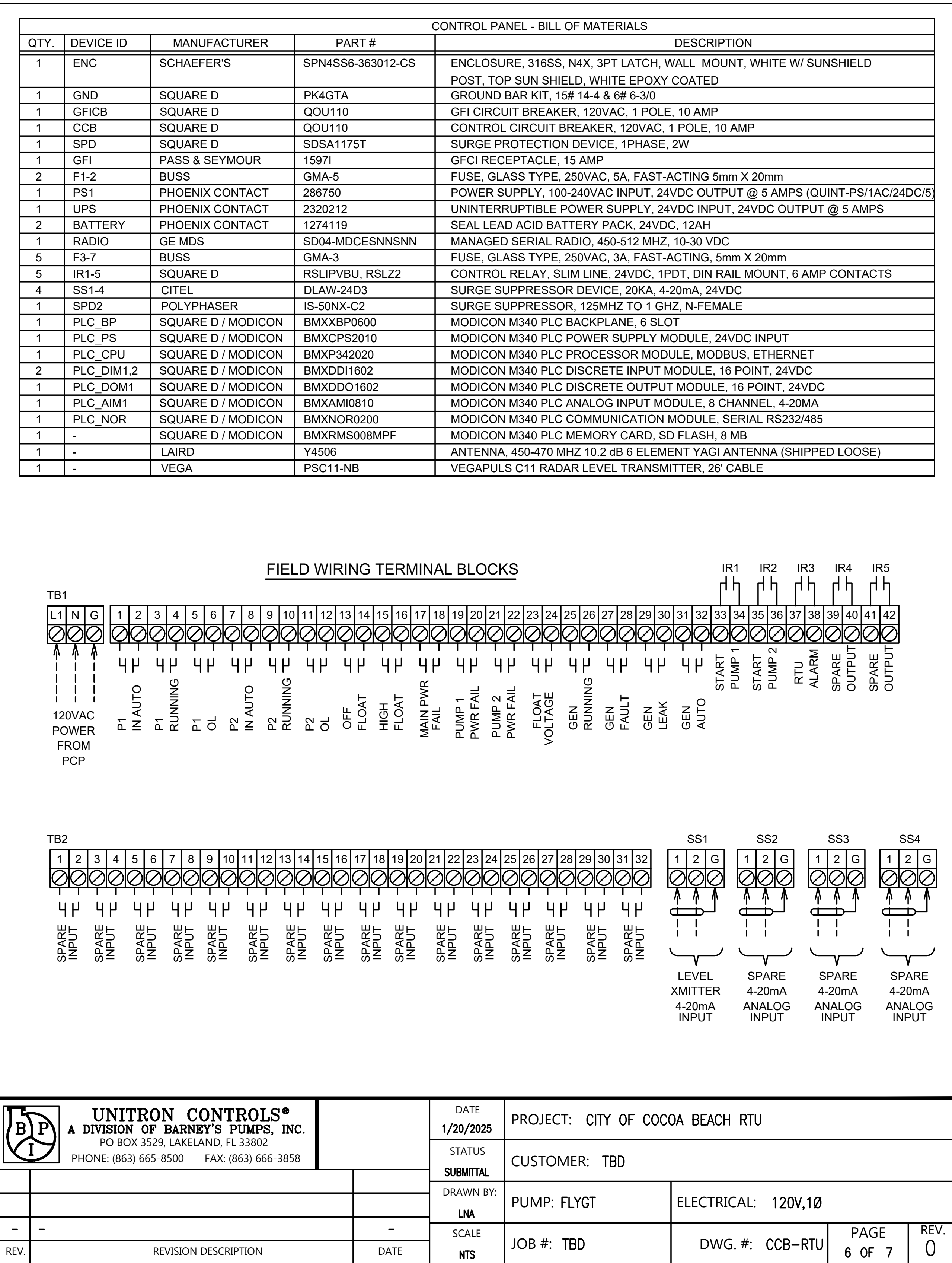
RTU DIAGRAM-2

SHEET NUMBER

RTU-2

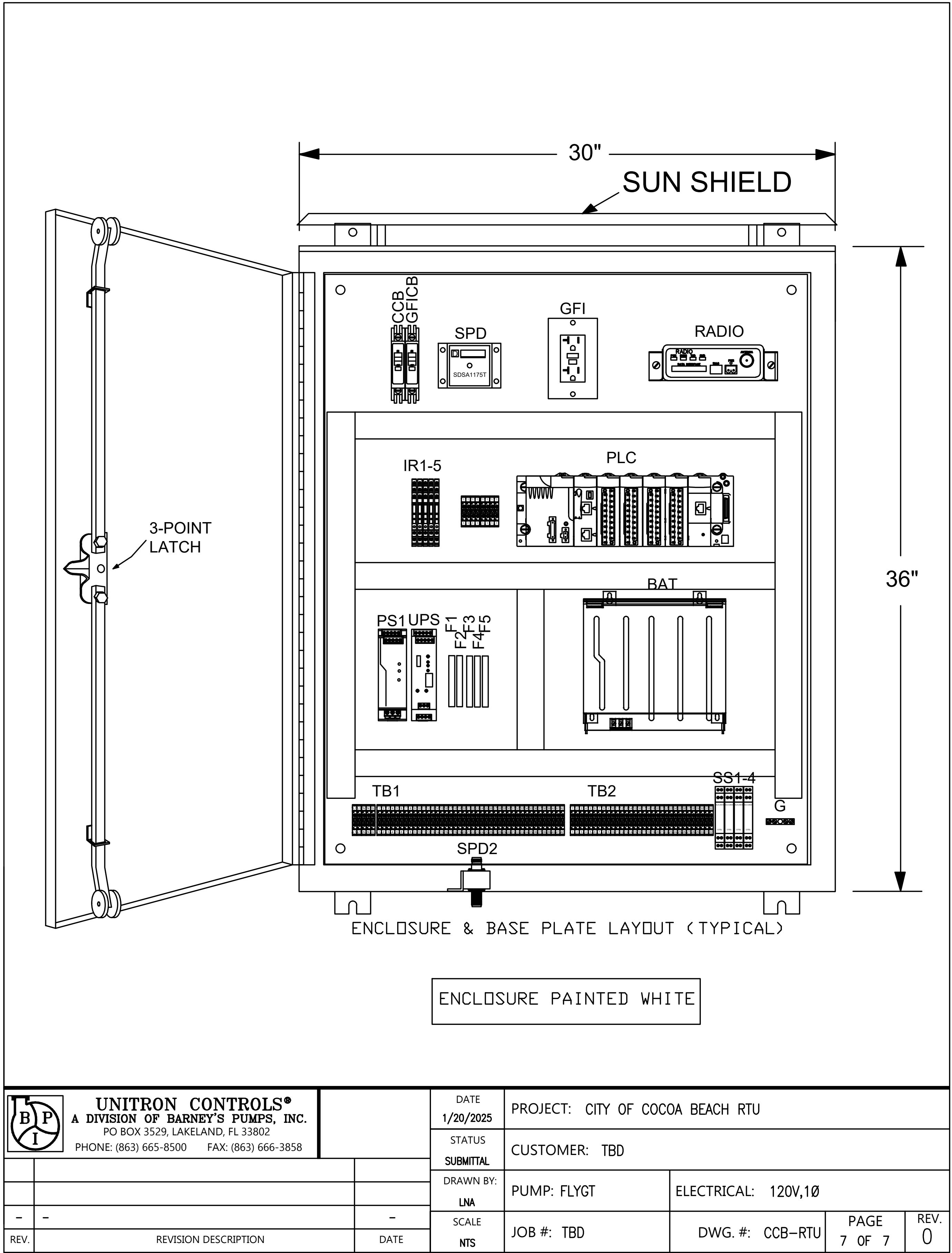
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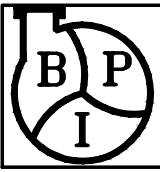




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		STATUS SUBMITTAL	CUSTOMER: TBD			
		DRAWN BY: LNA	PUMP: FLYGT	ELECTRICAL: 120V,1Ø		
-	-	SCALE NTS	JOB #: TBD	DWG. #: CCB-RTU	PAGE 7 OF 7	REV. 0
REV.	REVISION DESCRIPTION		DATE			

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KHA PROJECT 147965001	
DATE MAY 2025	
SCALE AS SHOWN	
DESIGNED BY FAD	
DRAWN BY KRG	
CHECKED BY SEB	

CITY OF COCOA BEACH

LIFT STATION 3
REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH

FLORIDA

LICENSED PROFESSIONAL

STEPHEN E. BAILEY, P.E.
42461

DATE:

RTU DIAGRAM-4

SHEET NUMBER

RTU-4

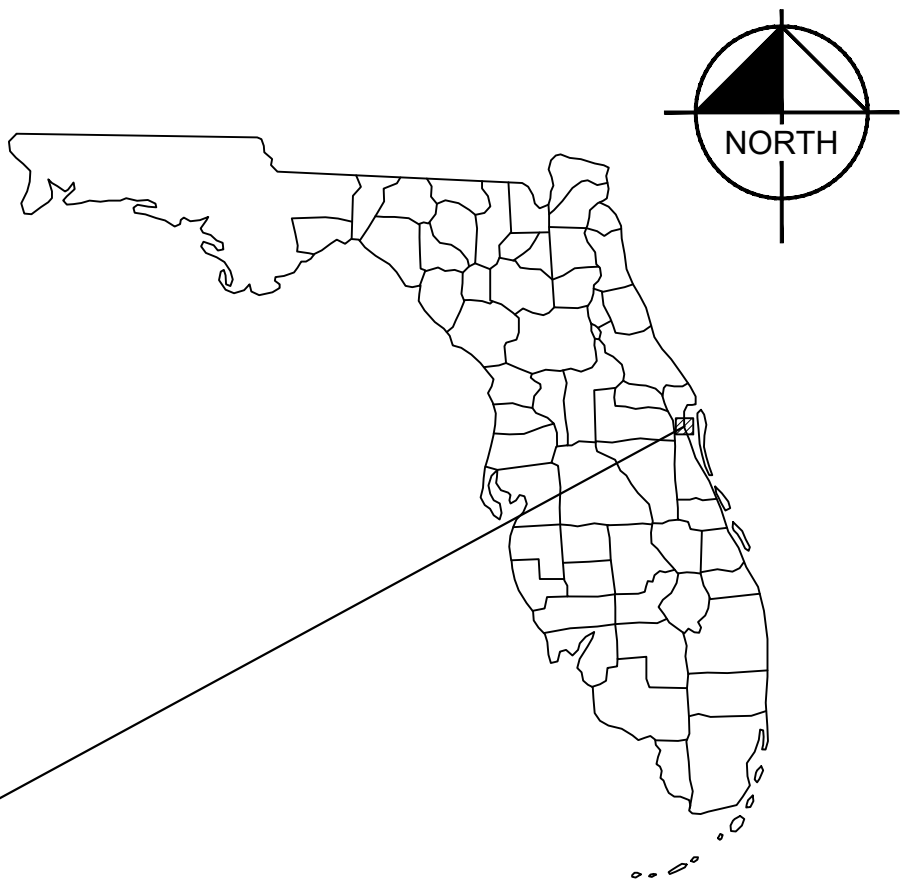
CONSTRUCTION PLANS

FOR

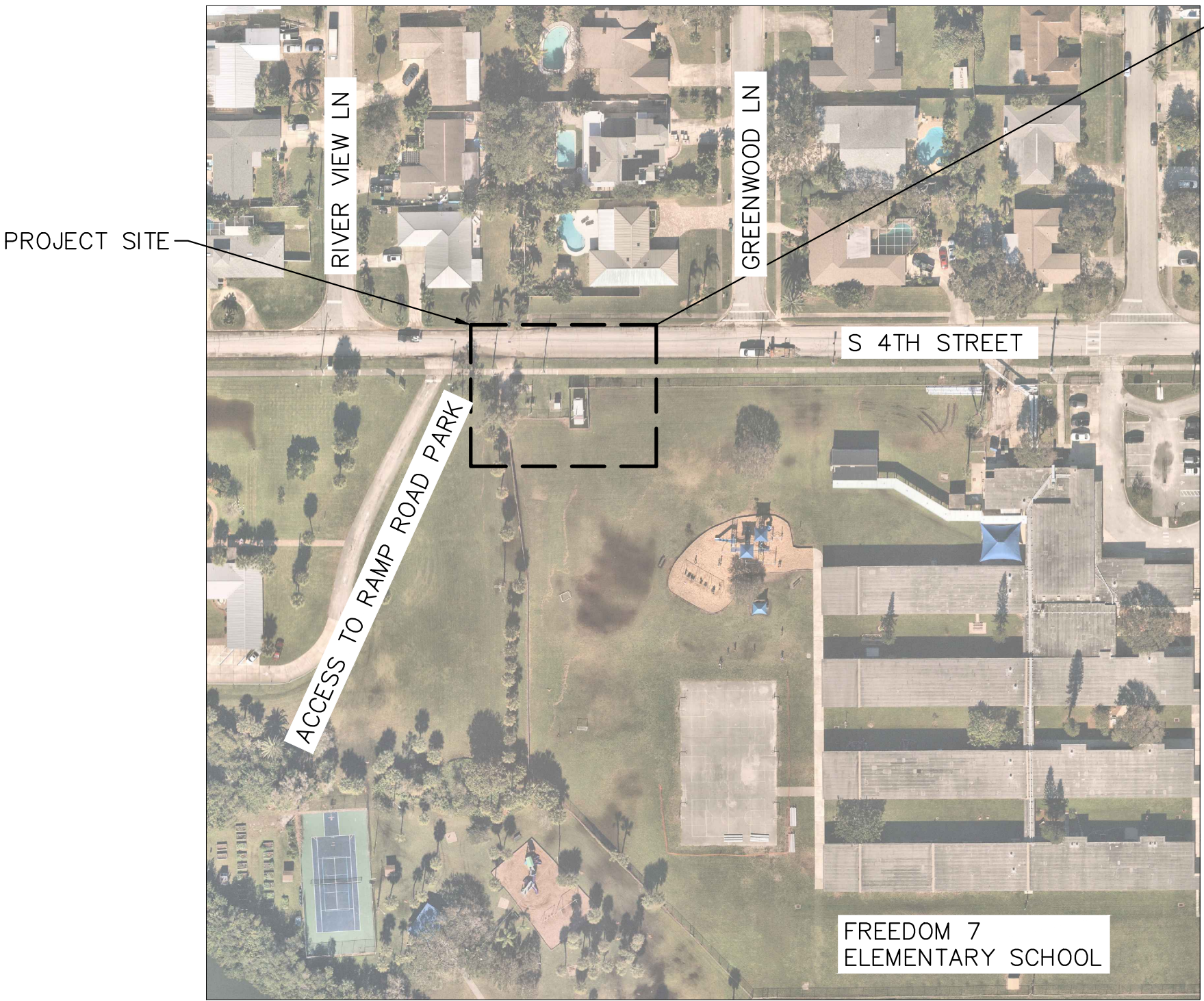
LIFT STATION 6 REHABILITATION

PREPARED FOR
CITY OF COCOA BEACH

BID NO. CB25-001
PROJECT NO. 14765002



MAY 2025



PROJECT VICINITY MAP
N.T.S.

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G-2	GENERAL NOTES
G-3	GENERAL NOTES
G-4	SYMBOLS AND ABBREVIATIONS
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C-1	LIFT STATION 6 SITE AND GRADING PLAN
MECHANICAL	
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DETAILS	
D-1	STANDARD DETAILS
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E-6	ELECTRICAL DETAILS - 1
E-7	ELECTRICAL DETAILS - 2
PCP-1	PCP DIAGRAM-1
PCP-2	PCP DIAGRAM-2
PCP-3	PCP BOM AND TERMINAL BLOCK DETAILS
PCP-4	PCP AND TERMINATION BOX DETAILS
RTU-1	RTU DIAGRAM-1
RTU-2	RTU DIAGRAM-2
RTU-3	RTU DIAGRAM-3
RTU-4	RTU DIAGRAM-4

OWNER:
CITY OF COCOA BEACH
WATER RECLAMATION DEPARTMENT
1600 MINUTEMEN CAUSEWAY
COCOA BEACH, FL 32931
CONTRACT: BRAD KALSOW
321-868-3308

ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC.
7341 OFFICE PARK PLACE, SUITE 102
MELBOURNE, FLORIDA 32940
CONTACT: TUCKER HUNTER, P.E.
407-982-3064

NOTES:

PRIOR TO ANY EXCAVATIONS THE CONTRACTOR SHALL COMPLY WITH THE UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT PER CHAPTER 556 OF FLORIDA LAW. CALL THE "SUNSHINE STATE ONE-CALL CENTER" 1-800-432-4770 FOR UNDERGROUND UTILITY LOCATIONS.

THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

THE SITE CONSTRUCTION STAKEOUT SHALL BE PERFORMED UNDER THE DIRECTION OF A FLORIDA REGISTERED SURVEYOR. AUTOCAD FILES WILL BE FURNISHED TO AID IN THE SITE CONSTRUCTION STAKEOUT. ANY DISCREPANCIES FOUND BETWEEN AUTOCAD FILES AND SITE CONSTRUCTION PLANS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR CLARIFICATION PRIOR TO THAT STAKEOUT.

PROJECT DESCRIPTION:

THIS PROJECT CONSISTS OF THE REHABILITATION OF THE EXISTING LIFT STATION 6. THE EXISTING RISER PIPING, VALVE VAULT AND PIPING, EXISTING POWER POLE AND CONTROL PANEL WILL BE REMOVED. NEW RISER PIPING WILL BE INSTALLED BY CORE-DRILLING THROUGH THE EXISTING WET WELL TOP SLAB, AND AN ABOVE GROUND PIPING ASSEMBLY WILL BE INSTALLED AS WELL. APPROXIMATELY 35 LF OF EXISTING 6" DIP FORCE MAIN WILL BE CONSTRUCTED TO CONNECT THE PROPOSED SYSTEM TO THE EXISTING 6" DIP FORCE MAIN WITHIN THE SITE. THE PROJECT ALSO CONSISTS OF A NEW CONTROL PANEL AND RACK, AND OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE EXISTING ANTENNA WILL BE MOVED TO THE PROPOSED NEW LOCATION. THE LIFT STATION IS LOCATED ON BREVARD COUNTY SCHOOL BOARD PROPERTY (FREEDOM 7 ELEMENTARY SCHOOL).

PREPARED BY
Kimley»Horn
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7341 OFFICE PARK PLACE, SUITE 102
MELBOURNE, FL 32940
PHONE (321) 430-1138
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						PROJECT NO. 14765002	
						SHEET NUMBER	
0	BID SET	5/7/2025	CPV	A. TUCKER HUNTER FLORIDA LICENSE NUMBER: 88634		G-1	
No.	REVISIONS	DATE	BY				
						DATE:	

Plotted By:McClure, Amanda
Sheet Set: Lift Station 6 Rehabilitation
Layout: G-2 GENERAL NOTES
May 09, 2025 11:13:29am
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GENERAL

- ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.
- THE CONTRACTOR IS RESPONSIBLE FOR CHECKING DIMENSIONS AND SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCEMENT OR CONTINUATION OF ONGOING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE LATEST REVISED AND APPROVED DOCUMENTS FROM THE DESIGN FIRM, AND ANY QUESTIONS OR DESIGN DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.
- REFER TO THE PLAN DETAILS FOR ADDITIONAL INFORMATION.
- BENCH MARK DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD – '88), UNLESS OTHERWISE NOTED.
- LOT LINES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE TAKEN FROM EXISTING RECORDS AND SUPPLEMENTED BY MINIMUM FIELD LOCATION CONTROL.
- THE CONTRACTOR IS REQUIRED TO PERFORM HIS WORK IN ACCORDANCE WITH THE REQUIREMENTS OF VARIOUS PERMITS THAT ARE INCLUDED IN THE BID SPECIFICATIONS OR OTHERWISE REQUIRED. THE CONTRACTOR SHALL OBTAIN ANY REQUIRED PERMITS NOT INCLUDED IN THE BID SPECIFICATIONS BEFORE COMMENCING CONSTRUCTION. ALL ASSOCIATED COSTS ARE CONSIDERED INCIDENTAL TO THE PROJECT AND ARE TO BE PAID FOR AT THE CONTRACTOR'S EXPENSE.
- SUBSURFACE INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FOR USE IN ESTABLISHING DESIGN CRITERIA FOR THE PROJECT. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND IS NOT TO BE CONSTRUED AS PART OF THE PLANS GOVERNING CONSTRUCTION OF THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INQUIRE OF THE ENGINEER IF ADDITIONAL INFORMATION IS AVAILABLE, TO MAKE ARRANGEMENTS TO REVIEW SAME PRIOR TO BIDDING AND TO MAKE HIS OWN DETERMINATION AS TO ALL SUBSURFACE CONDITIONS.
- THE DISPOSAL OF EXCESS EARTHWORK MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. APPROVAL OF DISPOSAL SITES SHALL BE OBTAINED FROM CITY OF COCOA BEACH PRIOR TO DISPOSAL OPERATIONS. ALL EXCESS MATERIAL IS THE PROPERTY OF THE CONTRACTOR.
- INLETS, MANHOLES, AND OTHER STRUCTURES OTHER THAN FDOT STANDARD SIZES SHALL HAVE REINFORCING MATERIALS EQUIVALENT TO SIMILAR FDOT STRUCTURES.
- DEWATERING: IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE FOLLOWING PERMITS PRIOR TO START OF CONSTRUCTION:
 - CONSUMPTIVE USE PERMIT FOR DEWATERING ACTIVITIES. THIS PERMIT CAN BE OBTAINED FROM ST. JOHNS RIVER WATER MANAGEMENT DISTRICT.
 - FDEP GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUND WATER FROM ANY NON-CONTAMINATED SITE ACTIVITY. (DOCUMENT NUMBER 62-621.300(2)).
 - CONTRACTOR SHALL BE SOLELY RESPONSIBILITY FOR THE DESIGN, INSTALLATION, OPERATION, MAINTENANCE, AND ANY FAILURE OF ANY COMPONENT OF THE DEWATERING SYSTEM. AS NEEDED BASED ON SITE CONDITIONS, ANY PERMITS THAT ARE REQUIRED BY THE WATER MANAGEMENT DISTRICT ARE THE RESPONSIBILITY OF THE CONTRACTOR. REFER TO SPECIFICATIONS FOR ADDITIONAL DEWATERING REQUIREMENT.
- THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A DETAILED DEWATERING PLAN FOR REVIEW AND APPROVAL, A MINIMUM OF THIRTY (30) DAYS PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL PLAN, FURNISH, INSTALL AND OPERATE ALL NECESSARY MACHINERY AND EQUIPMENT TO KEEP THE EXCAVATION FREE FROM WATER DURING CONSTRUCTION. THE DEWATERING DISCHARGE LINES SHALL BE REASONABLY FREE FROM TURBID, PRIOR TO DISCHARGE. THERE WILL BE NO ADDITIONAL COST FOR PERMITTING AND TESTING FOR DEWATERING. THE COST OF DEWATERING SHALL BE INCLUDED IN THE COST OF THE BASE BID AMOUNT. PLEASE CONTACT 321-676-6603 AT ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, PALM BAY OFFICE.

POLLUTION PREVENTION, SEDIMENT AND EROSION CONTROL NOTES

- THE CONTRACTOR SHALL PERFORM POLLUTION PREVENTION ACTIVITIES, NOTICING, REPORTING, AND MAINTENANCE AS REQUIRED BY THE FDEP NPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES, IF APPLICABLE.
- IF APPLICABLE, AT LEAST TWO DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A NOTICE OF INTENT (N.O.I.), ALONG WITH A COPY OF THE LETTER OF EXEMPTION FROM ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, AND INFORMATION TO:

NPDES STORMWATER NOTICES CENTER
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
2600 BLAIR STONE ROAD, MS#2510
TALLAHASSEE, FL 32399-2400
PHONE: 866-336-6312 OR 800-297-1232

ADDITIONALLY, FINAL COMPLETION OF CONSTRUCTION SHALL BE NOTICED IN ACCORDANCE WITH FDEP REQUIREMENTS.
- IF APPLICABLE, THE CONTRACTOR AND SUBCONTRACTORS RESPONSIBLE FOR IMPLEMENTING THE STORMWATER POLLUTION METHODS SHALL CERTIFY THEIR UNDERSTANDING OF PERMIT REQUIREMENTS IN THE N.O.I.
- ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL MEET CITY OF COCOA BEACH REQUIREMENTS.

A. SOIL STOCKPILES SHALL BE STABILIZED AND PROTECTED WITH SEDIMENT TRAPPING MEASURES FOR WIND AND WATER EROSION AND NOT TALLER THAN 6' IN RESIDENTIAL AREAS.
B. CONCENTRATED RUNOFF SHALL NOT FLOW DOWN SLOPES UNLESS PROTECTED WITH TEMPORARY OR PERMANENT CHANNEL, FLUME OR SLOPE DRAIN STRUCTURE.
C. SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN SYSTEM, DITCH OR CHANNEL. ALL STORM INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION. SHALL BE PROTECTED WITH ADEQUATE FILTER DEVICES.
D. UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING:
 - NO MORE THAN 500 LINEAR FEET OF TRENCH SHALL BE OPEN AT ONE TIME;
 - EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
 - EFFLUENT FROM DEWATERING SHALL BE FILTERED OR SO PASSED THROUGH A DETENTION BASIN THAT NO SEDIMENTS ARE VISIBLE IN OFFSITE DISCHARGE.

- TRANSPORT OF SEDIMENT TO PUBLIC STREETS SHALL BE MINIMIZED BY PROVIDING A GRAVEL APRON AND STABILIZED TEMPORARY ACCESS ROUTES. WHERE SEDIMENT IS TRANSPORTED TO PUBLIC ROADS, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY WITH DEBRIS SHOVELED AND REMOVED TO A PROPER DISPOSAL AREA. STREET WASHING WILL BE ALLOWED ONLY AFTER THE SEDIMENT IS REMOVED IN THIS MANNER.
- SEDIMENT AND EROSION PROTECTION CONTROLS SHALL BE INSPECTED AND MAINTAINED REGULARLY. THE CONTRACTOR SHALL PREPARE FOR THE N.O.I. AN OPERATIONS AND MAINTENANCE SCHEDULE WHICH REFLECTS INSPECTION AT LEAST SEVEN (7) DAYS OR WITHIN TWENTY-FOUR (24) HOURS OF A STORM 0.5 INCHES OR MORE.
- IN ADDITION TO THE SEDIMENT AND EROSION PROTECTION CONTROLS REQUIRMENTS, THE CONTRACTOR SHALL PROVIDE CONTROLS AS NECESSARY TO PROTECT OFFSITE DISCHARGE FROM CARRYING SEDIMENTS RESULTING FROM CONSTRUCTION ACTIVITIES. LOCALIZED ONSITE EROSION SHALL BE PROMPTLY REGRADED, FILLED, COMPACTED AND STABILIZED AS NECESSARY.
- CITY OF COCOA BEACH MAY REQUIRE ADDITIONAL CONTROLS AS DEEMED NECESSARY DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ADDITIONAL SILT SCREEN FENCING AS REQUIRED BY THE CITY OF COCOA BEACH INSPECTORS IN ORDER TO MEET THE INTENT OF THE EROSION AND SEDIMENT CONTROL PROTECTION REQUIREMENTS OF THE CITY.
- SILT FENCE AND SYNTHETIC BALES SHALL BE USED AT THE EXISTING INLETS AND AROUND PROJECT AS SHOWN ON THE PLANS. SEDIMENT AND EROSION CONTROL SHALL ALSO BE IN ACCORDANCE WITH CITY OF COCOA BEACH REQUIREMENTS AND SHALL BE IN PLACE PRIOR TO COMMENCING CONSTRUCTION.
- EROSION AND SILTATION CONTROL MEASURES ARE TO BE PROVIDED AND INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION. THESE MEASURES ARE TO BE INSPECTED BY THE CONTRACTOR ON A REGULAR BASIS AND ARE TO BE MAINTAINED OR REPAIRED ON AN IMMEDIATE BASIS, AS REQUIRED. CONTRACTOR SHALL BE REQUIRED TO INSTALL ALL EROSION, DESIMENT, AND TURBIDITY CONTROL MEASURES PRIOR TO CONSTRUCTION AND OF ANY COMPONENTS ASSOCIATED WITH THE PROJECT. SEDIMENT CONTROL INCLUDES SILT DAMS, TRAPS, EROSION PROTECTION, FENCE, AND ANY OTHER APPURTENANCES NEEDED BUT NOT NECESSARILY SHOWN ON THESE DRAWINGS.
- AS-BUILT SHALL BE PROVIDED BY THE CONTRACTOR TO THE UTILITY TWO WEEKS PRIOR TO FINAL INSPECTION. ALL AS-BUILT DATA SHALL BE PROVIDED BY A FLORIDA LICENSED SURVEYOR, SIGNED, SEALED, AND DATED BY THE RESPONSIBLE PARTY. SEE INDIVIDUAL SECTIONS (SEWER, WATER SYSTEM, ETC.) FOR ADDITIONAL AS-BUILT REQUIREMENTS.
- STATE, COUNTY, CITY AND AND ALL OTHER REGULATORY AGENCY PERMITS SHALL BE OBTAINED BY THE OWNER/DEVELOPER. A COPY OF ALL PERMITS SHALL BE PROVIDED TO THE UTILITY PRIOR TO ANY CONSTRUCTION ACTIVITY.
- ALL TESTING RESULTS FOR NEW CONSTRUCTION SHALL BE PROVIDED TO THE UTILITY. TESTING REQUIREMENTS ARE TO BE IN ACCORDANCE WITH THE UTILITIES' SPECIFICATIONS AND REQUIREMENTS. ALL TEST RESULTS SHALL BE PROVIDED (PASSING AND FAILING) ON A REGULAR AND IMMEDIATE BASIS. NO TESTING TO BE SCHEDULED ON MONDAY OR FRIDAY.

- SHOP DRAWINGS AND CERTIFICATIONS FOR ALL SEWER SYSTEM MATERIALS AND STRUCTURES ARE REQUIRED. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE TO ENGINEER FIRST FOR APPROVAL, THEN TO THE UTILITY FOR APPROVAL PRIOR TO ORDERING THE MATERIALS REQUIRED FOR CONSTRUCTION.
- WHEREVER STATE, COUNTY, CITY OR LOCAL STANDARD SPECIFICATIONS DIFFER FROM THOSE CONTAINED HEREIN: THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND UTILITY FOR CERTIFICATION. TYPICALLY THE MORE STRINGENT SHALL GOVERN.
- A PRE-CONSTRUCTION CONFERENCE SHALL BE REQUIRED WITH THE UTILITY, ENGINEER, AND CONTRACTOR IN ATTENDANCE. THE CONTRACTOR SHALL SCHEDULE, WITH ALL PARTIES, THE TIME AND PLACE OF MEETING PRIOR TO ANY CONSTRUCTION COMMENCEMENT. ALL JURISDICTIONAL PERMITS, APPROVED SHOP DRAWINGS, AND CONNECTION FEES SHALL BE IN PLACE PRIOR TO PRE-CONSTRUCTION CONFERENCE SCHEDULING. THE UTILITY REQUIRES AT LEAST 72 HOURS NOTICE FOR SCHEDULING OF PRE-CONSTRUCTION CONFERENCE.
- AT NO TIME SHALL THE CONTRACTOR DISTURB SURROUNDING PROPERTIES OR TRAVEL ON SURROUNDING PROPERTIES WITHOUT WRITTEN CONSENT FROM THE PROPERTY OWNER. REPAIR OR RECONSTRUCTION OF DAMAGED AREAS ON SURROUNDING PROPERTIES SHALL BE PERFORMED BY THE CONTRACTOR ON AN IMMEDIATE BASIS. ALL COSTS FOR REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH NO COMPENSATION FROM THE UTILITY.
- ALL FILL MATERIALS SHALL NOT CONTAIN ANY MUCK, STUMPS, ROOTS, BRUSH, VEGETATIVE MATTER, RUBBISH OR OTHER MATERIAL THAT WILL NOT COMPACT INTO A SUITABLE AND ENDURING BACKFILL. FILL SHALL BE CLEAN, NON-ORGANIC, GRANULAR MATERIAL WITH NOT MORE THAN 10% PASSING THE NO. 200 SIEVE.
- FILL MATERIALS PLACED UNDER ROADWAYS SHALL BE COMPACTED TO AT LEAST 98% OF THE MAXIMUM DENSITY AS SPECIFIED IN AASHTO T-180. ALL OTHER FILL AREAS ARE TO BE COMPACTED TO AT LEAST 95% MAXIMUM DENSITY AS SPECIFIED IN AASHTO T-180. FILL MATERIALS SHALL BE PLACED AND COMPACTED IN A MAXIMUM OF 12" LIFTS. THE CONTRACTOR SHALL PROVIDE THE ENGINEER AND OWNER WITH ALL (PASSING AND FAILING) TESTING RESULTS. RESULTS SHALL BE PROVIDED ON A TIMELY AND REGULAR BASIS PRIOR TO CONTRACTOR'S PAY REQUEST SUBMITTAL.
- BENCHMARK INFORMATION SHALL BE PROVIDED TO THE CONTRACTOR BY THE OWNER OR OWNER'S SURVEYOR. ANY DISCREPANCIES BETWEEN FIELD MEASUREMENTS AND CONSTRUCTION PLAN INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- ALL TESTING RESULTS SHALL BE PROVIDED TO THE OWNER/OPERATOR, COUNTY, AND THE ENGINEER. TESTING REQUIREMENTS ARE TO BE IN ACCORDANCE WITH THE OWNER/OPERATOR'S SPECIFICATIONS AND REQUIREMENTS. ALL TEST RESULTS SHALL BE PROVIDED (PASSING AND FAILING) ON A REGULAR AND IMMEDIATE BASIS. CONTRACTOR SHALL PROVIDE TESTING SERVICES THROUGH A FLORIDA LICENSED GEOTECHNICAL ENGINEERING FIRM ACCEPTABLE TO THE OWNER AND ENGINEER.
- THE CONTRACTOR SHALL PERFORM HIS OWN INVESTIGATIONS AND CALCULATIONS AS NECESSARY TO ASSURE HIMSELF OF EARTHWORK QUANTITIES. THERE IS NO IMPLICATION THAT EARTHWORK BALANCES AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY IMPORT FILL NEEDED, OR FOR REMOVAL AND DISPOSAL OF EXCESS MATERIALS.
- EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN, UNLESS OTHERWISE NOTED. EXISTING DRAINAGE MUST BE MAINTAINED UNTIL NEW SYSTEM IS ACTIVATED.

UTILITY NOTES

- THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UTILITIES IS BASED ON AVAILABLE RECORDS AND FIELD MARKINGS PROVIDED BY THE UTILITY OWNER AND IS NOT GUARANTEED.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION (OVERHEAD AND UNDERGROUND). DISCREPANCIES BETWEEN EXISTING CONDITIONS AND PLAN CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- UTILITIES SHALL NOT BE CONSIDERED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. COORDINATION OF UTILITY RELOCATION WILL BE THE CONTRACTOR'S RESPONSIBILITY. UTILITIES ARE TO BE ADJUSTED OR RELOCATED BY THE UTILITY COMPANIES UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS 48 HOURS PRIOR TO COMMENCEMENT OF THE WORK. PRIOR TO EXCAVATION THE CONTRACTOR SHALL COMPLY WITH THE UNDERGROUND FACILITY DAMAGE AND PREVENTION SAFETY ACT PER CHAPTER 556 OF FLORIDA LAW AND SHALL COMPLY WITH FLORIDA STATUTE 553.851 REGARDING NOTIFICATION OF EXISTING GAS AND OIL PIPELINE COMPANY OWNERS. PRIOR TO ANY EXCAVATION THE CONTRACTOR SHALL NOTIFY SUNSHINE STATE ONE CALL CENTER UTILITY NOTIFICATION CENTER AT "800-432-4770".
- CONTRACTOR SHALL COORDINATE WITH UTILITY OWNERS FOR HOLDING OF ANY UTILITY POLE. THE COST OF POLE HOLDING IN UTILITY EASEMENTS AND PRIVATE PROPERTY WILL BE INCLUDED IN THE CONTRACT PRICE. CONTRACTOR TO NOTIFY THE UTILITY OWNER 30 DAYS BEFORE COMMENCING CONSTRUCTION OR DEMOLITION.
- UTILITY COMPANIES:

AT&T DISTRIBUTION
6628 LAKESIDE ROAD
WEST PALM BEACH, FL 33411
386-795-1703
CONTACT: JASON KAUFMAN
EMERGENCY: 800-288-2020

CITY OF COCOA UTILITIES DEPARTMENT
351 SHEARER BOULEVARD
COCOA, FL 32922
321-433-8797
CONTACT: KATHERINE ENNIS, P.E.
EMERGENCY: 321-433-8400

FLORIDA CITY GAS/NEXT ERA ENERGY
4180 U.S. HIGHWAY 1, SOUTH
ROCKLEDGE, FLORIDA 32955-5309
321-213-8254
CONTACT: MICHAEL BRAD TERMINI
EMERGENCY: ROGER BOHACH 813-714-5120

FLORIDA POWER & LIGHT COMPANY
9001 ELLIS ROAD
MELBOURNE, FL 32904
321-726-4808
CONTACT: JAMIE PURNELL
EMERGENCY: 386-586-6403

ZAYO GROUP/FORMERLY LIGHTWAVE, LLC.
130 N MAIN ST
BUTTE, MT 59701
406-496-6510
CONTACT: HENRY KLOBCAR
EMERGENCY: 866-364-6033

- CAUTION: THERE MAY BE OTHER UTILITY OWNERS WITHIN THE PROJECT AREA WHICH ARE NOT LISTED ABOVE.

UTILITY SEPARATION NOTES

- NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- AT THE UTILITY CROSSINGS DESCRIBED ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III of CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

CONSTRUCTION NOTES:

- SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF COCOA BEACH SPECIFICATIONS AND STANDARD CONSTRUCTION DETAILS (LATEST EDITION).
- SHEETING AND SHORING SHALL BE REQUIRED FOR PROTECTION OF WORKMEN, THE PUBLIC STRUCTURES, AND PROPERTY. THE EXCAVATED TRENCH SHALL BE PROPERLY SHEETED AND BRACED TO PREVENT GROUND OR SLIDING. THE COST OF SHEETING AND BRACING SHALL BE INCLUDED IN THE INSTALLATION OF ALL INFRASTRUCTURE DEEPER THAN 6 FT BELOW GRADE INSTALLED BY OPEN CUT.
- THE CONTRACTOR IS RESPONSIBLE FOR RESOLVING ALL UNDERGROUND CONFLICTS. THE COST SHALL BE INCLUDED IN THE BID PRICE.

- THE CONTRACTOR SHALL PLAN AND INSTALL A TEMPORARY BY-PASS SYSTEM(S) FOR MAINTAINING SEWER FLOW AS NEEDED. BY-PASS SYSTEM PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. A SUGGESTED TEMPORARY BY-PASS IS PLANNED AND SHOWN ON THE CONSTRUCTION PLANS.
- THE CONTRACTOR SHALL COMPLY WITH SAFETY STANDARDS WHEN WORKING IN THE SANITARY SEWER WETWELL, MANHOLES AND SEWER LINES.
- FORCE MAIN SHALL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD M23. FORCE MAIN SYSTEM SHALL BE TESTED FOR TWO (2) HOURS AT 100 PSI. THE CONTRACTOR SHALL PROVIDE SEVENTY-TWO (72) HOURS WRITTEN ADVANCE NOTIFICATION TO THE UTILITY AND THE ENGINEER. NO TESTING ON MONDAY OR FRIDAY. THE CONTRACTOR SHALL PERFORM SATISFACTORY PRETESTING PRIOR TO NOTIFICATION.
- AS A CONDITION OF THE FDEP PERMIT, THE INSTALLED INFRASTRUCTURE SHALL NOT BE PLACED INTO SERVICE UNTIL THE FDEP OFFICE HAS CLEARED THE PROJECT FOR USE. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE PROJECT AS-BUILT DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR AND ALL REQUIRED TESTS TO THE ENGINEER FOR FDEP CLEARANCE.
- CONTRACTOR SHALL PROVIDE A PRE-CONSTRUCTION VIDEO OF THE PROJECT AND SHALL BE SUBMITTED TO CITY OF COCOA BEACH PRIOR TO CONSTRUCTION COMMENCING.
- THE ROAD PAVEMENT SHALL NOT BE DISTURBED OUTSIDE OF OPEN CUT AREAS UNLESS OTHERWISE NOTED ON THE PLANS.
- PRIVATE PROPERTY OUTSIDE THE LIMITS OF CONSTRUCTION AND/OR STREET RIGHTS-OF-WAY THAT ARE DISTURBED BY CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. THERE SHALL BE NO EXTRA PAY FOR THIS WORK AND THE ANTICIPATED COST OF THE WORK MUST BE INCLUDED IN THE CONTRACT PRICE.
- THE CONTRACTOR SHALL PROTECT PAVEMENT, SIDEWALK, CURBING, DRIVEWAYS, IRRIGATION LINES, LANDSCAPING, UTILITY APPURTENANCES AND PAVEMENT OUTSIDE THE LIMITS OF CONSTRUCTION. THE CONTRACTOR, AT NO COST TO THE CITY, SHALL REPLACE DAMAGED OR UNDERMINED AREAS. REPAIRED ITEMS SHALL MATCH EXISTING UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- WELL IN ADVANCE OF APPLYING SOD, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR AN INSPECTION OF THE AFFECTED AREAS TO ASSURE ACCEPTABLE GRADING.
- THERE MAY BE IRRIGATION LINES AND SPRINKLER HEADS WITHIN THE LIMITS OF CONSTRUCTION (CLEARING AND GRUBBING) WHICH HAVE NOT BEEN LOCATED OR SHOWN. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO CUT, PLUG AND REFERENCE THE EXISTING LINES AT THE LIMITS OF CONSTRUCTION. ANY COSTS INCURRED FOR THIS WORK SHALL BE INCLUDED IN THE VARIOUS BID ITEMS IN THE CONTRACT.
- DRIVEWAYS TO PRIVATE PROPERTY, RESIDENCES, BUSINESSES, ETC., AND ALL PUBLIC STREET CONNECTIONS SHALL REMAIN OPEN EXCEPT FOR VERY SHORT PERIODS ASSOCIATED WITH A CRITICAL, MOMENTARY POINT OF CONSTRUCTION OPERATION. CONTRACTOR SHALL COORDINATE TEMPORARY CLOSURES WITH PROPERTY OWNERS.
- REMOVAL AND REINSTALLMENT OF MAILBOXES AS NEEDED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WHETHER OR NOT SPECIFICALLY CALLED FOR IN THE PLANS. THE CONTRACTOR SHALL WORK WITH THE LOCAL POSTMASTER TO DEVELOP A METHOD OF TEMPORARY MAIL SERVICE FOR THE PERIOD BETWEEN REMOVAL AND REINSTALLATION OF MAILBOXES.
- IF THE LOCATION OF BURIED UTILITIES ARE IN CONFLICT WITH THE PROPOSED PIPELINES, THEN IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE UTILITY OWNER TO RELOCATE THE UTILITY LINES AND THE COST SHALL BE INCLUDED IN THE BID AMOUNT.
- REMOVAL AND RE-INSTALLMENT OF TRAFFIC SIGNS AS NEEDED AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WHETHER OR NOT SPECIFICALLY CALLED FOR IN THE PLANS.
- GREEN INDICATOR TAPE SHALL BE BURIED IN THE FORCE MAIN TRENCH 18" DIRECTLY ABOVE THE FORCE MAIN. A CONTINUOUS COPPER DETECTOR WIRE SHALL BE ATTACHED TO THE PIPE AND VALVES WITH VINYL TIE STRAPS UTILITY DETAILS.
- THE CITY OF COCOA BEACH INSPECTOR MUST BE ON THE JOB SITE FOR ALL PIPE INSTALLATIONS.
- DEPTH OF THE INSTALLED PIPE SHALL BE SHOWN ON THE DRAWINGS. ANY DEPTH CHANGES FROM THE PLANS SHALL BE SHOWN ON THE RECORD DRAWINGS.
- DUCTILE IRON PIPE (DIP) SHALL HAVE A MINIMUM PRESSURE CLASS OF 250 AND CONFORM TO THE REQUIREMENTS OF ANSI, A 21-51 AND AWWA C 151, LATEST REVISION. JOINTS FOR DUCTILE IRON PIPE SHALL BE RESTRAINED AND MECHANICAL JOINT OR PUSH ON JOINT. PUSH ON JOINTS SHALL CONFORM WITH AWWA C 111 AND ASNI A21.11. JOINTING MATERIAL SHALL BE PROVIDED BY THE PIPE MANUFACTURER AND INSTALLATION SHALL BE PER THE MANUFACTURER'S RECOMMENDED PRACTICE. DUCTILE IRON PIPE SHALL BE LINED AND POLYWRAPPED WITH POLYETHYLENE PIPE ENCASEMENT AND INSTALLED IN ACCORDANCE WITH AWWA C 105. SEE SECTION 02535 OF THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- ALL FORCE MAIN PIPE JOINTS SHALL BE RESTRAINED.
- COMPACT FITTINGS FOR FORCE MAIN SHALL BE MECHANICAL JOINT, DUCTILE IRON CONFORMING TO ANSI/AWWA C143/A21.53 (LATEST EDITION) 350 PSI MINIMUM PRESSURE RATING. FITTINGS SHALL BE POLYETHYLENE LINED (MIN. 30 MILS CONFORMING TO ASTM D-1248).
- ALL PLUGS, CAPS, TEES, VALVES, BENDS, ETC., SHALL BE RESTRAINED JOINTS OR THRUST BLOCKED (RESTRAINED JOINTS PREFERRED) PER UTILITY DETAILS. THREE FOOT MINIMUM COVER OVER FORCE MAIN.
- STANDARD PLUG VALVES SHALL BE MANUFACTURED BY DEZURIK CORP., PRATT, DRESSER, HOMESTEAD INDUSTRIES, OR APPROVED EQUAL.
- VALVES SHALL BE FURNISHED WITH REPLACEABLE CHEVRON PACKING, CAPABLE OF BEING REPACKED WITH THE LINE UNDER PRESSURE.
- VALVES 4 INCHES IN DIAMETER AND SMALLER SHALL BE WRENCH NUT OPERATED. VALVES LARGER THAN 4 INCHES SHALL BE WORM GEAR OPERATED.
- VALVE BOX PADS SHALL BE 4" THICK CONCRETE WITH #4 REINFORCING BARS. PAD IS TO BE SET AT FINISH GRADE.
- MAXIMUM LENGTH BETWEEN VALVES SHALL BE 1000 LINEAR FEET. UNDERGROUND VALVE IDENTIFICATION (UVI) MARKERS SHALL BE PROVIDED AT EACH VALVE LOCATION.
- UVI MARKERS SHALL BE INSTALLED IN THE VALVE PAD IN UNPAVED AREAS, IN CONCRETE ADJACENT TO VALVE BOX COVER IN SIDEWALK OR DRIVEWAY AREAS, AND IN CONCRETE CURB ADJACENT TO VALVE IN PAVED AREAS. UVI'S PLACED IN CURB FOR VALVES IN PAVED AREAS SHALL BE INSTALLED WITH THE SAME LOCATION ARRANGEMENT AS THE VALVES. (REFER TO PLACEMENT DETAIL.)
- AIR RELEASE VALVE DESIGNED FOR SEWAGE SERVICE SHALL BE INSTALLED IN THE TOPS OF PIPES AS INDICATED ON THE DRAWINGS. VALVES SHALL BE DESIGNED TO PERMIT MANUAL RELEASE OF AIR FROM AN EMPTY PIPE DURING FILLING AND SHALL BE CAPABLE OF DISCHARGING ACCUMULATED AIR IN THE LINE WHILE THE LINE IS IN OPERATION AND UNDER PRESSURE. VALVES SHALL BE CAPABLE OF WITHSTANDING OPERATING PRESSURES OF 150 PSI. VALVES SHALL BE VENTED TO THE ATMOSPHERE. THE VALVES SHALL BE ARI OR APPROVED EQUAL.
- CHECK VALVES SHALL BE OF THE WEIGHT AND LEVER TYPE, RESILIENT DISC, GRAY IRON, AND BRONZE TRIM, HORIZONTAL MOUNTED. VALVES SHALL BE MANUFACTURED IN ACCORDANCE WITH AWWA C508 WITH FLANGED CONNECTIONS. VALVES SHALL HAVE A WORKING PRESSURE OF 200 PSI FOR VALVES 2"-12". VALVES SHALL BE DEZURIK, MUELLER, OR APPROVED EQUAL.
- TRENCHING SHALL BE IN ACCORDANCE WITH THE TRENCHING DETAILS PROVIDED ON THE CONSTRUCTION PLANS.
- COMPACTED BACKFILL FOR ALL PIPES SHALL BE TO 98% MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 FOR UNDER ROADWAYS. OTHER COMPACTION OF BACKFILL SHALL BE TO THE 95% MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
- INSTALLATION OF THE SANITARY SEWER FORCE MAIN SHALL BE IN CONFORMANCE WITH ASTM D2774-72 (LATEST EDITION).
- MINIMUM COVER OVER ALL PIPES SHALL BE 36" FROM TOP OF PIPE TO FINISHED GRADE. SEE PLAN AND PROFILE SHEETS FOR REQUIRED DEPTH.



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KHA PROJECT	147965002
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	AJC
DRAWN BY	DLC
CHECKED BY	ATH

LIFT STATION 6 REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH

COCOA BEACH

FLORIDA

LICENSED PROFESSIONAL
A. TUCKER HUNTER
FLORIDA LICENSE NUMBER
88634
DATE: ---

GENERAL NOTES

G-2

SHEET NUMBER

Plotted By:McLure, Amanda Sheet Set:Lift Station 6 Rehabilitation Layout:G-3 GENERAL NOTES May 09, 2025 11:13:31am \\kimley-horn.com\\FLOR02\\ORI\\Utilities\\47965 - Cocoa Beach\\47965002 - Lift Station 6 Rehabilitation\\CADD\\PlanSheets\\General\\G-3 GENERAL NOTES.dwg

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37. THE FORCE MAIN SHALL BE INSTALLED AS NOTED ON THE PLANS. WHERE APPLICABLE, A HORIZONTAL SEPARATION OF AT LEAST 10' SHALL BE MAINTAINED BETWEEN WATER AND SEWER LINES. WHEN WATER AND SEWER LINES CROSS WITH LESS THAN AN 18" VERTICAL SEPARATION, THE PVC SEWER LINE SHALL BE ENCASED IN CONCRETE OR DUCTILE IRON PIPE USED IN LIEU OF PVC PIPE FOR A DISTANCE OF 10' EITHER SIDE OF THE CROSSING.
38. ALL PLUGS, CAPS, TEES, BENDS, VALVES, ETC., SHALL BE PROVIDED WITH RESTRAINED JOINTS OR THRUST BLOCKS (RESTRAINED JOINTS PREFERRED). FOR THRUST BLOCK OR RESTRAINED JOINT CONSTRUCTION DETAILS, REFER TO THE UTILITY DETAILS AND TABLES.
39. CONNECTIONS TO MANHOLES WITH FORCE MAINS SHALL BE MADE BY CORE BORE AND LINK SEAL OR OTHER APPROVED CONNECTION. CONNECTIONS SHALL BE MADE WATERTIGHT AND BE INSTALLED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS.
40. THE CONTRACTOR SHALL PROVIDE VERTICAL AND HORIZONTAL "AS-BUILT" INFORMATION RELATIVE TO ALL CONSTRUCTED UTILITIES AND STRUCTURES.
41. AS-BUILT INFORMATION FOR THE FORCE MAIN SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING
1. LOCATION OF ALL VALVES, FITTINGS, ETC.

2. LOCATION OF THE FORCE MAIN TIED HORIZONTALLY TO THE BACK OF CURB OR EDGE OF PAVEMENT.

3. CERTIFICATION AS TO THE SYSTEM MEETING THE MINIMUM COVER REQUIREMENTS.

4. HORIZONTAL AND VERTICAL DATA FOR ANY CONSTRUCTION WHICH DEVIATES FROM THE APPROVED ENGINEERING DRAWINGS.

5. ASSET TABLES ARE REQUIRED USING FLORIDA STATE PLANE NORTHING & EASTING FOR ALL MAINS AT 100' INTERVALS AND VALVES.

0	BID SET	5/7/2025	CPV
No.	REVISIONS	DATE	BY

Kimley»Horn

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KHA PROJECT
147965002

DATE
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SCALE AS SHOWN

DESIGNED BY AJC

DRAWN BY DLC

CHECKED BY ATH

LIFT STATION 6 REHABILITATION

PREPARED FOR

CITY OF COCOA BEACH

COCOA BEACH

FLORIDA

LICENSED PROFESSIONAL

A. TUCKER HUNTER

FLORIDA LICENSE NUMBER
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GENERAL NOTES

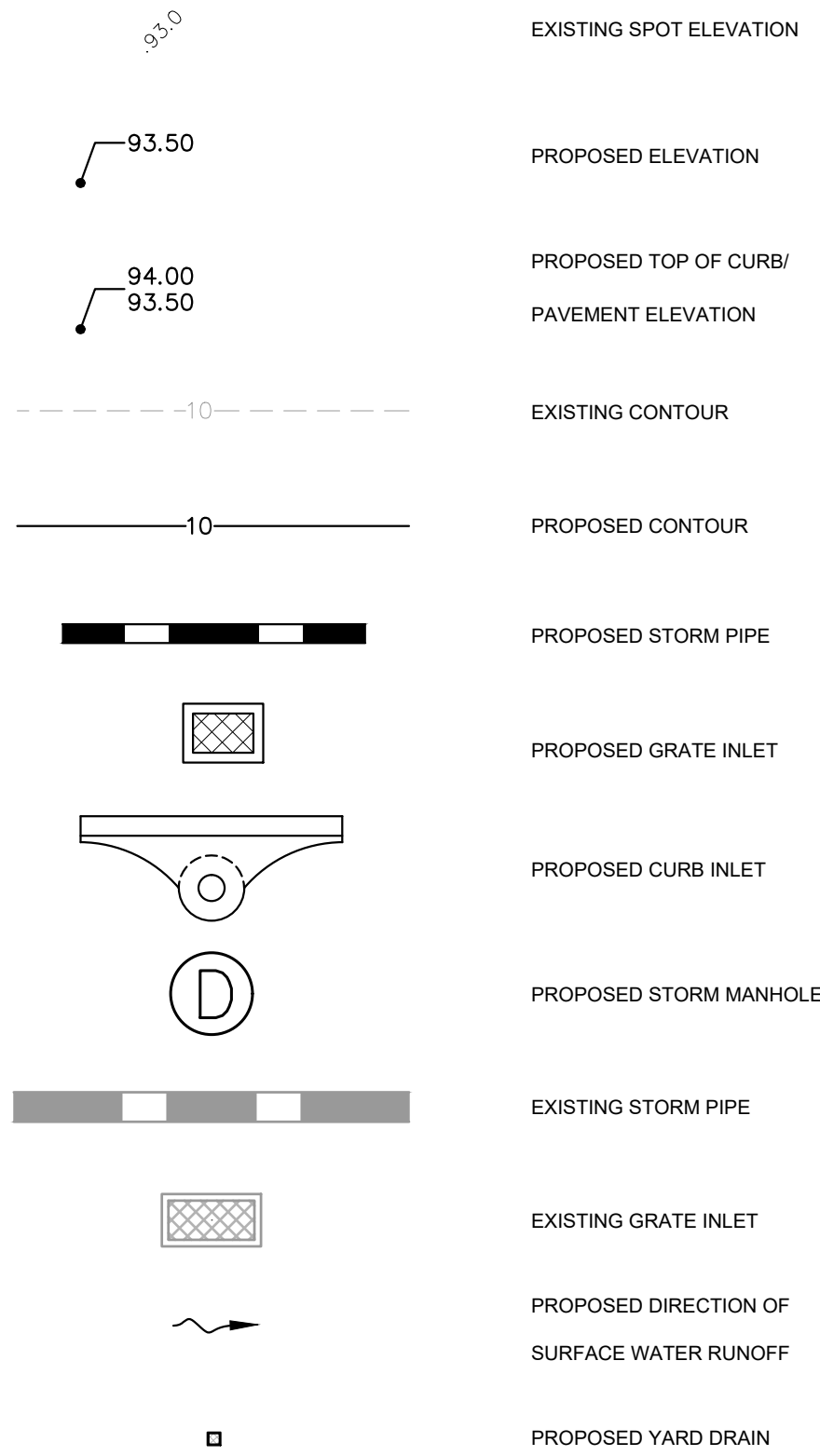
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G-3

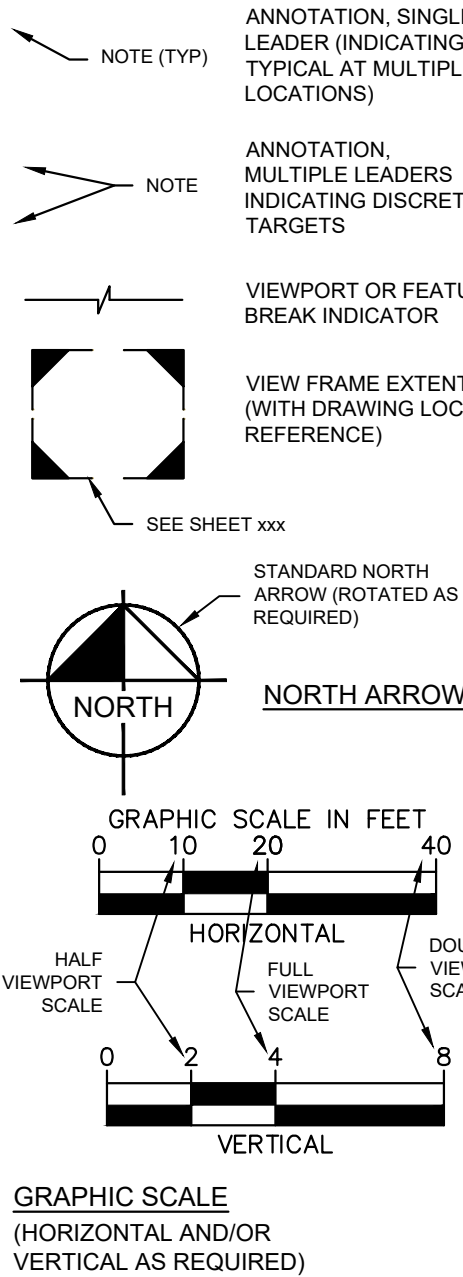
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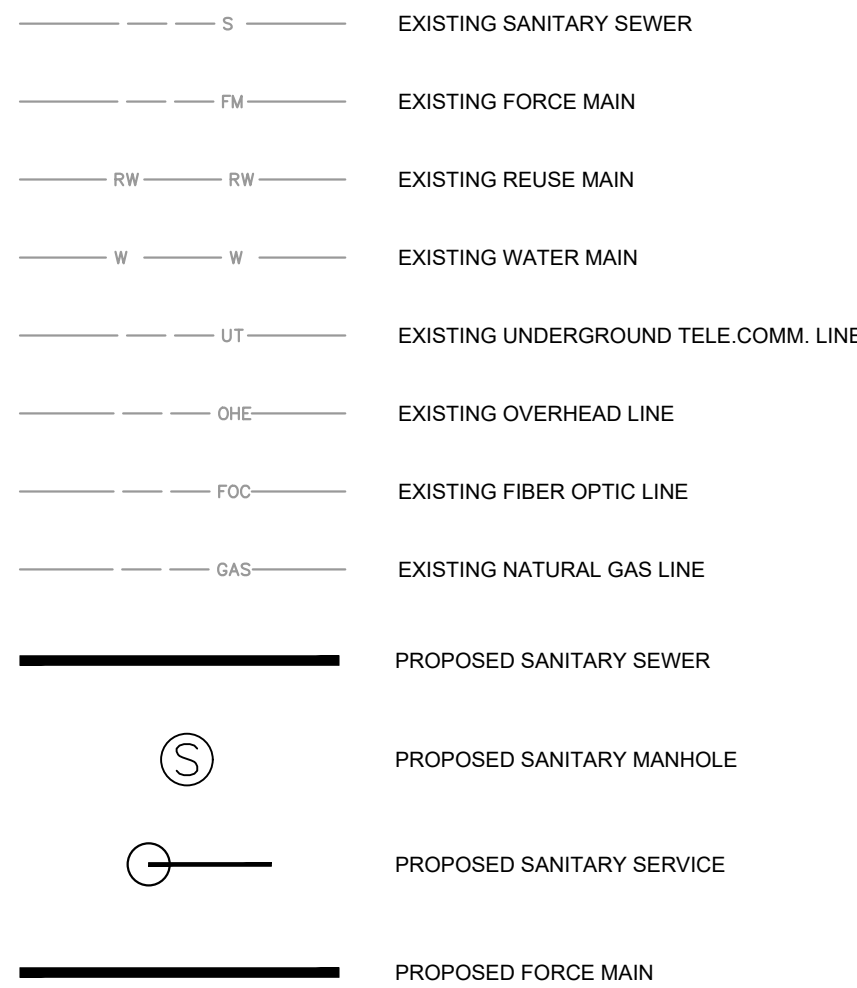
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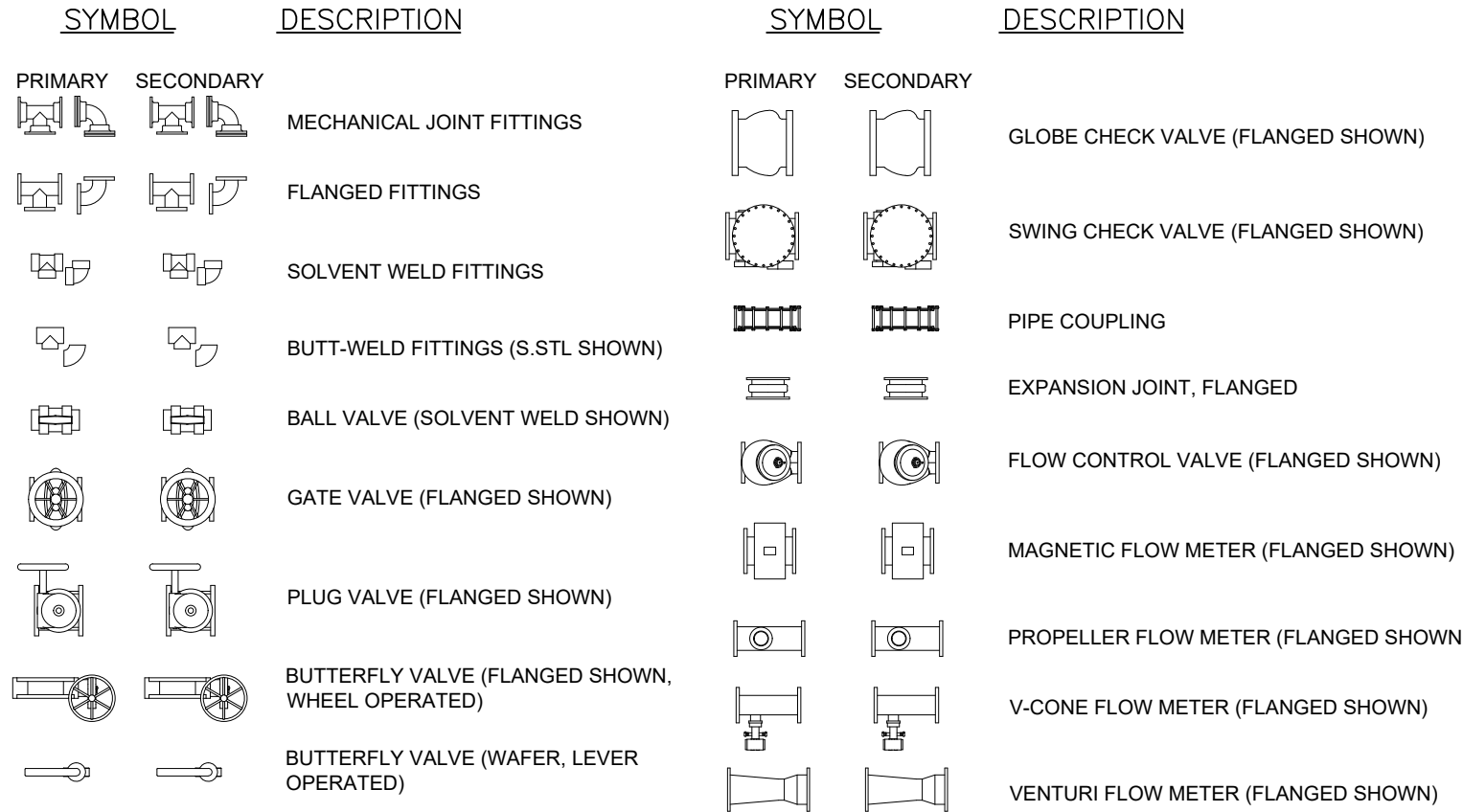
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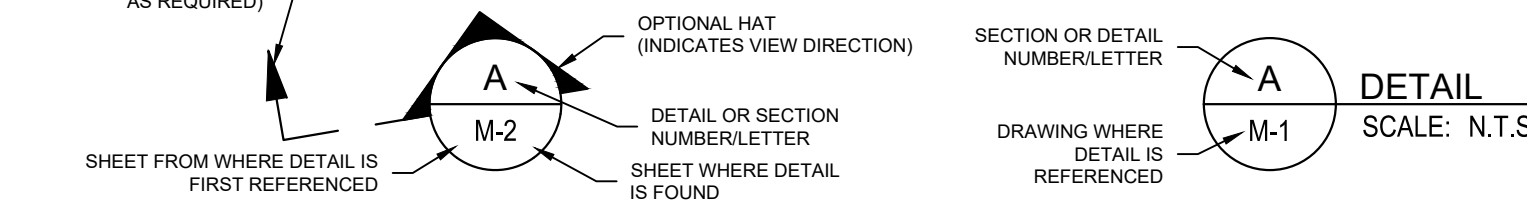
PROCESS PIPING LEGEND (SINGLE-LINE)



PROCESS PIPING LEGEND (DOUBLE-LINE OR 3D)



DETAIL/SECTION REFERENCES



STANDARD ABBREVIATIONS

(A)ARV	(AUTOMATIC) AIR RELEASE VALVE	EJ	EXPANSION JOINT	MTD	MOUNTED	SF	SQUARE FOOT OR FEET
A/C	AIR CONDITIONING	EL(EV)	ELEVATION	MV	MOTORIZED VALVE	SYM	SHEET(ED)(ING)
A/VV	AIR/VACUUM AIR VALVE	ELAST	ELASTOMERIC	MW	MANWAY	SIM	SIMILAR
AAV	AUTOMATIC AIR VENT	ELL	ELBOW	MWL	MEAN WATER LEVEL	SL	SLUDGE
ABAN	ABANDON(ED)	EMER	EMERGENCY	N	NORTH(ING)	SLV	SLEEVE
ABRV	ACTUATED BUTTERFLY VALVE	EDP	EDGE OF PAVEMENT	N.C.	NORMALLY CLOSED	SM	SHEET METAL
ABRSV	ABRASIVE	EPDM	ETHYLENE PROPYLENE DIENE MONOMER	N.I.C.	NOT IN CONTRACT	SOL	SOLUTION
ABS	ACRYLONITRILE BUTADIENE STYRENE	EQUIP	EQUIPMENT	N.O.	NORMALLY OPEN	SP	SOIL PIPE
AB-xx	AUGER BORING (e.g. AB-1)	EST	ESTIMATE(D)	NA	NOT APPLICABLE	SPEC(S)	SPECIFICATION(S)
ACOMP	ASPHALT-COATED CORRUGATED METAL PIPE	EVA	ELECTRIC VALVE ACTUATOR	NaOCl	SODIUM HYPOCHLORITE	SPT-xx	STANDARD PENETRATION TEST BORING (e.g. SPT-1)
ACCV	AIR CUSHION CHECK VALVE	EXIST	EXISTING	NF	NANOFILTRATION	SQ	SQUARE
ACP	ASBESTOS CEMENT PIPE	EXP	EXPANSION	NIC	NOT IN CONTRACT	STR	STATION
ADH	ADHESIVE	EXT	EXTERIOR	NO, #	NUMBER	SSE	SUBSTANDARD EFFLUENT
ADJ	ADJUSTABLE	F/F	FACE TO FACE	NOM	NOMINAL	ST	SAMPLE TAP
AFF	ABOVE FINISHED FLOOR	FAB	FABRICATED	NPT	NATIONAL PIPE TAPER	STA	STATION
AFG	ABOVE FINISHED GRADE	FC	FLEXIBLE COUPLING	NPW	NON-POTABLE WATER	STD	STANDARD
AFS	ABOVE FINISHED SLAB	FCA	FLANGED COUPLING ADAPTER	NSFC	NOT SHOWN FOR CLARITY	STL	STEEL
AG	AMMONIA GAS	FCV	FLOW-CONTROL VALVE	NTS,N.T.S.	NOT TO SCALE	STORM	STORMWATER
AIR	AIR PIPE	FD	FLOOR DRAIN	NW	NORTHWEST	STR	STRAIGHT
AL	ALUMINUM	FE	FILTER(ED) EFFLUENT	O&M	OPERATION AND MAINTENANCE	SUP	SUPERNATANT
ALT	ALTERNATE	FF	FINISH FLOOR	O.C.	ON CENTERS	SV	SOLENOID VALVE
AMM	AMMONIATOR	FH	FIRE HYDRANT	O.E	OR EQUAL	SVC	SERVICE
AOD	ANGLE OF DEFLECTION	FIG	FIGURE	O/O	OUTSIDE TO OUTSIDE	SVW	SERVICE WATER
APPROX	APPROXIMATE	FIN	FINISH(ED)	O2	OXYGEN	SW	SOUTHWEST
AS	AMMONIA SOLUTION	FL	FLUORIDE	OD	OUTSIDE DIAMETER	SWD	SIDEWATER DEPTH
ASSY	ASSEMBLY	FLEX	FLEXIBLE COUPLING	OF	OUTSIDE FACE	SYM	SYMBOL
B/W	BOTH WAYS	FLG	FLANGE(D)	OFF	OFFSET	SYMM	SYMMETRICAL
BCV	BALL CHECK VALVE	FLR	FLOOR	OH	OVER HEAD	T&B	TOP AND BOTTOM
BF	BLIND FLANGE	FM	FORCE MAIN	OP	ORIFICE PLATE	T.O.C.	TOP OF CONCRETE
BCPP	BACKFLOW PREVENTER	FO(C)	FIBER OPTIC LINE(CONDUIT)	OPER	OPERATION	T.O.S.	TOP OF SLAB
BFV	BUTTERFLY VALVE	FS	FEET PER SECOND	OPP	OPPOSITE	T.S.	TAPPING SLEEVE
BGO	BURIED GEAR OPERATOR	FPS	FEET PER SECOND	OPT	OPTION(AL)	T.V.	TAPPING VALVE
BR	BLACK IRON	FRP	FIBERGLASS REINFORCED PLASTIC	OVF	OVERFLOW	TANG	TANGENT
BIIP	BLACK IRON PIPE	FT	FOOT OR FEET	PIL	PROPERTY LINE	TBM	TEMPORARY BENCH MARK
BITUM	BITUMINOUS OR BITUMASTIC	FV	FOOT VALVE	PA	PROCESS AIR	TB-xx	TEST BORING-xx (e.g. TB-1)
BLDG	BUILDING	FW	FINISHED WATER	PBV	PLASTIC BALL VALVE	TDH	TOTAL DYNAMIC HEAD
BM	BENCH MARK	GA	GALLON(S)	GAL	GALLON(S)	TEL	TELEPHONE
BOC	BACK OF CURB	GALV	GALVANIZED	PE	PLAIN END	TEMP	TEMPORARY
BOS	BOTTOM OF SLAB	GBW	GALVANIZED	PEP	POLYETHYLENE PIPE	TH	TEST HOLE
BOT	BOTTOM	GAC	GAC BACKWASH	PERM	PERMEATE	THD	THREADED
BSP	BLACK STEEL PIPE	GIP	GALVANIZED IRON PIPE	PGM	PRESSURE GAUGE	THK	THICKNESS
BTWN	BETWEEN	GJ	GROOVE JOINT	PGL	PROPOSED GRADE LINE	TJ	TIED JOINT
BV	BALL VALVE	GND	GROUND	PJL	PUSH-ON JOINT	TOB	TOP OF BANK
BW	BACKWASH WATER	GO	GEAR OPERATED	PM	PROCESS MECHANICAL	TOC	TOP OF CURB
BWW	BACKWASH WATER	GPD	GALLONS PER DAY	PNV	PINCH VALVE	TOS	TOE OF SLOPE
B-xx	BORING (e.g. B-1)	GPH	GALLONS PER HOUR	POB	POINT OF BEGINNING	TS	THICKENED SLUDGE
CBG	CURB AND GUTTER	GPM	GALLONS PER MINUTE	POI	POINT OF INTERSECTION	TV	TELEVISION
C.F.	CUBIC FOOT	GPS	GALLONS PER SECOND	PUSH-ON	PUSH-ON JOINT	TWP	TOWNSHIP
C.I.	CUBIC INCH	GR	GRADE	POL	POLYMER	TYP	TYPICAL
C.Y.	CUBIC YARD	GS	GALVANIZED STEEL	PPD	POUNDS PER DAY	UD	UNDERDRAIN
CENTER	CENTER TO CENTER	GSP	GALVANIZED STEEL PIPE	PARTS PER MILLION	PARTS PER MILLION	UG	UNDERGROUND
CA	COMPRESSED AIR	GSR	GROUND STORAGE RESERVOIR	PREFAB	PREFABRICATED	UGE	UNDERGROUND ELECTRIC
CAP	CAPACITY	GST	GROUND STORAGE TANK	PRES	PRESSURE	UON	UNLESS OTHERWISE NOTED
CATV	CABLE TELEVISION	GV	GATE VALVE	PROP	PROPOSED	UTC	UNDERGROUND TELEPHONE CABLE
CAV	COMBINATION AIR VALVE	HB	HOSE BIBB	PRV	PRESSURE REDUCING VALVE	UTIL	UTILITY
CBP	CHLORINE BOOSTER PUMP	HD	HEAVY-DUTY	PRW	PROCESS WATER	UV	ULTRAVIOLET
OCC	CHLORINE CONTACT CHAMBER	HDD	HORIZ. DIRECTIONAL DRILL	PSF	POUNDS PER SQUARE FOOT	VAC	VACUUM
CE	CHLORINATED EFFLUENT	HDPE	HIGH-DENSITY POLYETHYLENE	PSI	POUNDS PER SQUARE INCH	VAR	VARIES
CFM	CUBIC FEET PER MINUTE	HFA	HYDROFLUOSILIC ACID	POI	POINT OF INTERSECTION	VB	VALVE BOX
CFS	CUBIC FEET PER SECOND	HFCA	HARNESSED FLANGED COUPLING	PV	PLUG VALVE	VC	VERTICAL CURVE
CI	CAST IRON	ADAPTER	ADAPTER	PVC	POLYVINYL CHLORIDE	VCP	VITRIFIED CLAY PIPE
CISP	CAST IRON PIPE	HORIZ	HORIZONTAL	PVC-D	POLYVINYL CHLORIDE (DOUBLE CONTAINED)	VEL	VELOCITY
HP	HORSEPOWER	HP	HORSEPOWER	PVDF	POLYVINYLIDENE FLUORIDE (KYNAR)	VERT	VERTICAL
HPA	HIGH PRESSURE AIR	HR	HOUR	PVMT	PAVEMENT	VFD	VARIABLE FREQUENCY DRIVE
CL	CENTER LINE	HR	HOUR	VOL	VOLUME	VOL	VOLUME
CL2	CHLORINE GAS	HSP	HIGH SERVICE PUMP	PW	POTABLE WATER	VTR	VENT THROUGH ROOF
CLF	CHAIN LINK FENCE	HT	HEIGHT	Q	FLOW	W	WEST
CLR	CLEAR(ANCE)	HVA	HYDRAULIC VALVE ACTUATOR	QTY	QUANTITY	W.L.	WATER LEVEL
CMP	CORRUGATED METAL PIPE	HVC	HEATING, VENTILATION, AND AIR CONDITIONING	R	RIGHT	W.P.	WALL PIPE (WITH WATER STOP)
CMPA	CORRUGATED METAL PIPE ARCH	HW	HOT WATER	R.W.	RIGHT OF WAY	W/	WITH
CO	CLEAN OUT	HWL	HIGH WATER LEVEL	RAD, R	RADIUS	W/O	WITHOUT
CO2	CARBON DIOXIDE	HYD	HYDRAULIC	RAS	RETURN ACTIVATED SLUDGE	WAS	WASTE ACTIVATED SLUDGE
COAG	COAGULANT	ID	INSIDE DIAMETER	RAW	RAW WATER	WCO	WALL CLEAN OUT
CONC	CONCENTRATE	IN	INCH(ES)	RCB	REINFORCED CONCRETE BOX	WF	WIDE FLANGE
CONN	CONNECTION	INF	INFLUENT	RCP	REINFORCED CONCRETE PIPE	WH	WALL HYDRANT
CONSTR	CONSTRUCTION	INV	INVERT	RCPA	REINFORCED CONCRETE PIPE ARCH	WM	WATER MAIN
CONT	CONTINUATION	IP	IRON PIPE	RCW	RECLAIMED WATER	WPR	WORKING PRESSURE
COP	COPPER PIPE	IPS	INTERNATIONAL PIPE STANDARD	REBAR	REINFORCING STEEL	WS(P)	WELDED STEEL (PIPE)
CP	CONCRETE PIPE	IR	INTERNAL RECYCLE	RED	REDUCER	WT	WEIGHT
CPA	CONCRETE PIPE ARCH	IW	IRRIGATION WATER	RECW	REUSE EFFLUENT WATER	WTF	WATER TREATMENT FACILITY
CPLG	COUPLING	JB	JUNCTION BOX	REF	REFERENCE	WTP	WATER TREATMENT PLANT
CPP	CONCRETE PRESSURE PIPE	JT	JOINT	RENF	REINFORCE(D)(ING)(MENT)	WW	WASTEWATER
CPVC	CHLORINATED POLYVINYL CHLORIDE	KGV	KNIFE GATE VALVE	REJ	RO REJECT	WWF	WELDED WIRE FABRIC
CR	CONCENTRIC REDUCER	L	LEFT	REQD	REQUIRED	WWM	WELDED WIRE MESH
CS	CHLORINE SOLUTION	LKT	LEFT	REW	RETURN EFFLUENT WATER	WWTF	WASTEWATER TREATMENT FACILITY
CV	CHECK VALVE	LAB	LABORATORY	RJ	RESTRAINED JOINT (BELL)	WWTP	WASTEWATER TREATMENT PLANT
CYL	CYLINDER	LAM	LAMINATE OR LAMINATION	RMJ	RESTRAINED MECHANICAL JOINT	XFER	TRANSFER
D	DRAIN	LAT	LATERAL	RNG	RANGE	XLHDP	CROSS LINKED HIGH-DENSITY POLYETHYLENE
DEG	DEGREE	LB(S)	POUND(S)	RO	REVERSE OSMOSIS	YD	YARD(S)
DEMO	DEMOLITION	LEN	LENGTH	ROC	RADIUS OF CURVATURE	YH	YARD HYDRANT
DF	DIESEL FUEL	LF	LINEAR FEET	RPM	REVOLUTIONS PER MINUTE	YR	YEAR(S)
DI	DUCTILE IRON	LHDP	LINEAR HIGH-DENSITY POLYETHYLENE	RPZBP	REDUCED PRESSURE ZONE BACKFLOW PREVENTER		
DIA	DIAMETER	LS	LIME SLURRY	RR	RAILROAD		
DIAG.	DIAGONAL	LSS	LIME STABILIZED SLUDGE	RS	RAW SEWAGE		
DIM	DIMENSION	LWL	LOW WATER LEVEL	RW	RECLAIMED WATER		
DIP	DUCTILE IRON PIPE	MAINT	MAINTAIN OR MAINTENANCE	RWW	RAW WASTEWATER		
DIR	DIRECTION	MAN	MANUAL(LY)	S	SOUTH		
DISCH	DISCHARGE	MAX	MAXIMUM	S.F.	SQUARE FOOT		
DJ	DISMANTLING JOINT	MCC	MOTOR CONTROL CENTER	S.I.	SQUARE INCH		
DMH	DROP MANHOLE	ME(S)	METERED END (SECTION)	S.O.	SIDE OPERATED		
DN	DOWN	MECH	MECHANICAL	S.STL	STAINLESS STEEL		
DR	DIMENSION RATIO	MF	MICROFILTRATION	S.Y.	SQUARE YARD		
DV	DIAPHRAGM VALVE	MFR	MANUFACTURE(R)	SA	SAMPLE LINE		
DW	DISINFECTED WATER	MG	MILLION GALLONS	SAN	SANITARY		
DWG	DRAWING	MGD	MILLION GALLONS PER DAY	SB-xx	SOIL BORING (e.g. SB-1)		
DWV	DRAIN, WASTE, AND VENT	MH	MANHOLE	SCH	SCHEDULE		
E	EAST(ING)	MI	MILE(S)	SCV	SILENT CHECK VALVE		
E.F.	EACH FACE	MIN	MINIMUM	SD	STORM DRAIN		
E.W.	EACH WAY	MISC	MISCELLANEOUS	SDR	STANDARD DIMENSION RATIO		
EA	EACH	MJ	MECHANICAL JOINT	SE	SOUTHEAST		
ECC	ECCENTRIC	ML	MIXED LIQUOR	SEC	SECTION		
EFF	EFFLUENT	MPH	MILES PER HOUR	SEFF	SECONDARY EFFLUENT		
EGO	ELEVATED GEAR OPERATOR	MRPP	METAL REINFORCED PLASTIC PIPE				

NOTE: THIS LEGEND IS FOR GENERAL REFERENCE. NOT ALL ABBREVIATIONS, SYMBOLS, PROCESSES, MATERIALS, OR FITTINGS MAY BE USED IN THIS DESIGN. NOR IS THIS LEGEND COMPREHENSIVE. REFER TO INDIVIDUAL DRAWING LEGEND(S) IF SYMBOLS ARE NOT LISTED. INDIVIDUAL DISCIPLINE STANDARD LEGENDS SUPERCEDE THIS GENERAL LEGEND, IF PROVIDED.

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KHA PROJECT
147965002
DATE
MAY 2025
SCALE AS SHOWN
DESIGNED BY AJC
DRAWN BY DLC
CHECKED BY ATH

LIFT STATION 6 REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH

COCOA BEACH

LICENSED PROFESSIONAL

A. TUCKER HUNTER

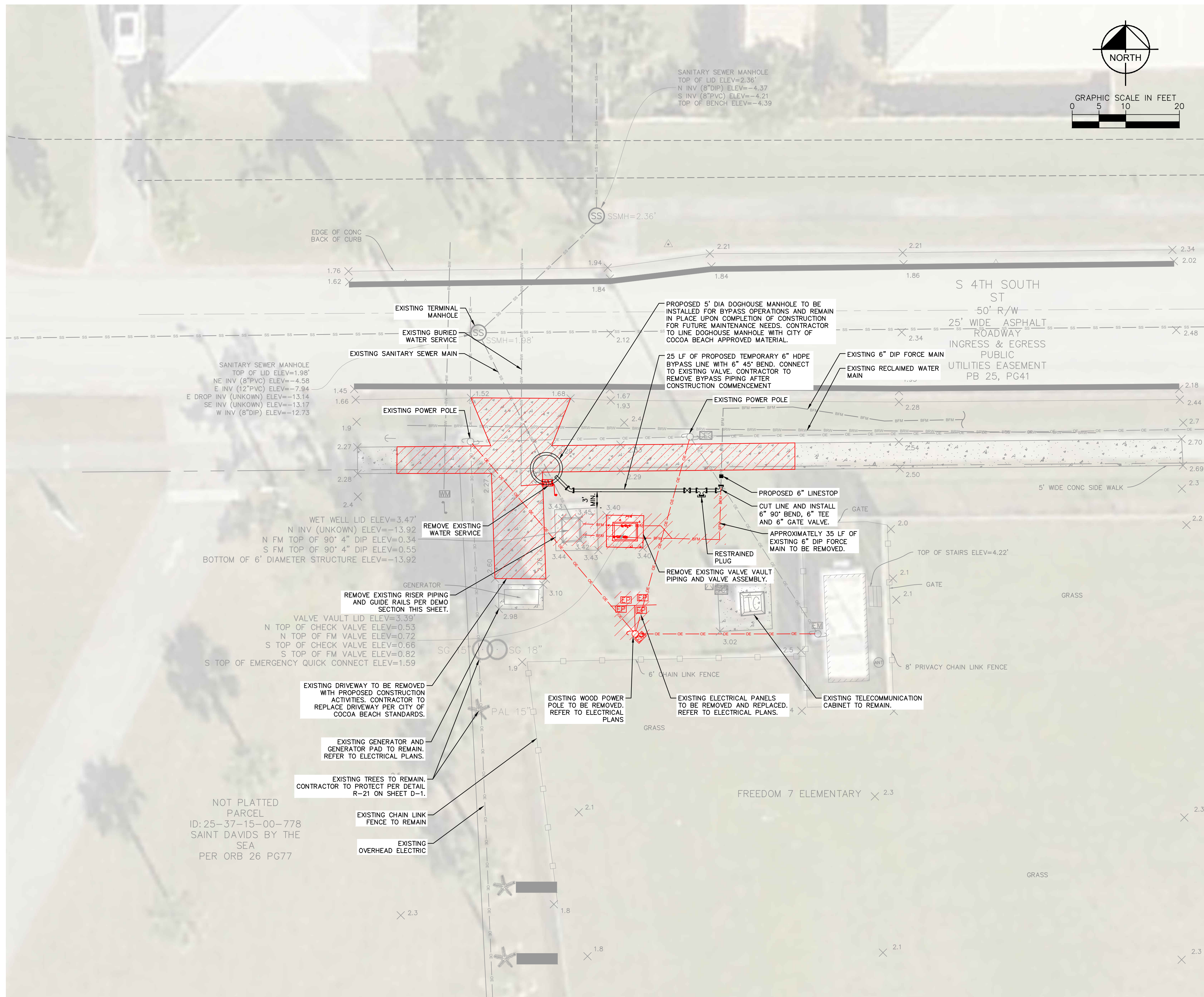
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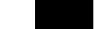
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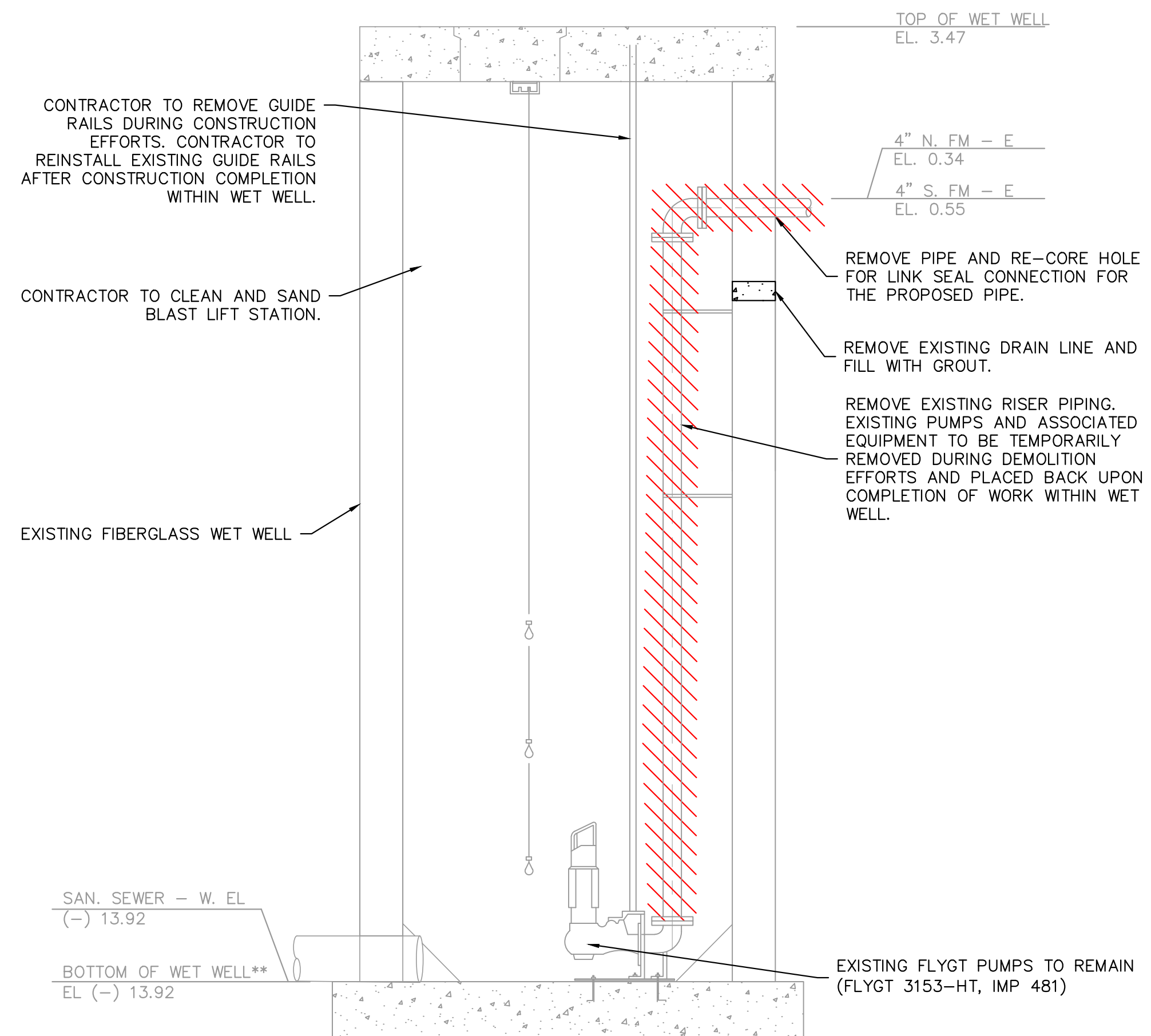
SYMBOLS AND ABBEVIATIONS

SHEET NUMBER

G-4



LEGEND					
	DEMOLITION		PROPOSED BYPASS PIPE		PROPOSED GATE VALVE
	REMOVE EXISTING FORCE MAIN		PROPOSED LINESTOP		PROPOSED BEND (45°-90°)
	REMOVE EXISTING BURIED FIBER TO ANTENNA		PROPOSED TEE		PROPOSED DOGHOUSE MANHOLE



** SURVEYOR UNABLE TO VERIFY
BOTTOM OF LIFT STATION DUE
TO BUILD UP OF MATERIALS IN
THE BOTTOM OF THE WET WELL.
CONTRACTOR TO VERIFY
BOTTOM OF WET WELL PRIOR
TO ORDERING MATERIALS AND
COMMENCING CONSTRUCTION.

LIFT STATION 6
DEMO SECTION

SCALE: 1" = 2'

SECTION A-A

(PIPELINES ROTATED FOR CLARITY)

SUGGESTED BYPASS PLAN:

CONTRACTOR TO PROVIDE BYPASS PLAN TO CITY OF COCOA BEACH PRIOR TO CONSTRUCTION. PROPOSED BYPASS PLAN TO BE IN COMPLIANCE WITH CITY OF COCOA BEACH SPECIFICATIONS

1. CONTRACTOR TO INSTALL PROPOSED 5' DIA DOGHOUSE MANHOLE. CONTRACTOR TO LINE DOGHOUSE MANHOLE WITH CITY OF COCOA BEACH APPROVED MATERIAL.
2. CONTRACTOR TO INSTALL 6" TEMPORARY HDPE BYPASS PIPING FROM DOGHOUSE TO PROPOSED 6" GATE VALVE.
3. CONTRACTOR TO INSTALL LINESSTOP ON EXISTING 6" FORCE MAIN AND INSTALL 6" GATE VALVE. CONTRACTOR TO INSTALL PIPING UP TO PROPOSED 6" TEE AND TWO (2) 6" GATE VALVES. CONTRACTOR TO CONNECT 6" HDPE BYPASS PIPING TO 6" GATE VALVE.
4. CONTRACTOR TO PLUG SE INVERT OF DOGHOUSE MANHOLE. CONTRACTOR TO INSTALL BYPASS PUMPS IN DOGHOUSE MANHOLE AND CONNECT TO BYPASS SYSTEM.

NOTES:

1. CONTRACTOR TO COORDINATE WITH CITY OF COCOA BEACH WATER RECLAMATION DEPARTMENT PRIOR TO CONSTRUCTION.
2. CONTRACTOR TO SOD AND RESTORE ALL DISTURBED AREAS TO EXISTING CONDITIONS OR BETTER.
3. CONTRACTOR TO COORDINATE WITH CITY OF COCOA BEACH WATER RECLAMATION DEPARTMENT ON SALVAGE MATERIALS AFTER CONSTRUCTION COMPLETION.
4. CONTRACTOR TO PREPARE MAINTENANCE OF TRAFFIC (MOT) PLANS FOR PEDESTRIAN AND VEHICULAR MOT. CONTRACTOR TO SUBMIT TO THE CITY OF COCOA BEACH FOR REVIEW AND APPROVAL.

0	BID SET	5/7/2025	CPV
No.	REVISIONS	DATE	BY

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KHA PROJECT 147965002	
DATE MAY 2025	
SCALE AS SHOWN	
DESIGNED BY	AJC
DRAWN BY	DLC
CHECKED BY	ATH

LIFT STATION 6 REHABILITATION

PREPARED FOR
CITY OF COCOA BEACH

COCOA BEACH

LICENSED PROFESSIONAL

A. TUCKER HUNTER

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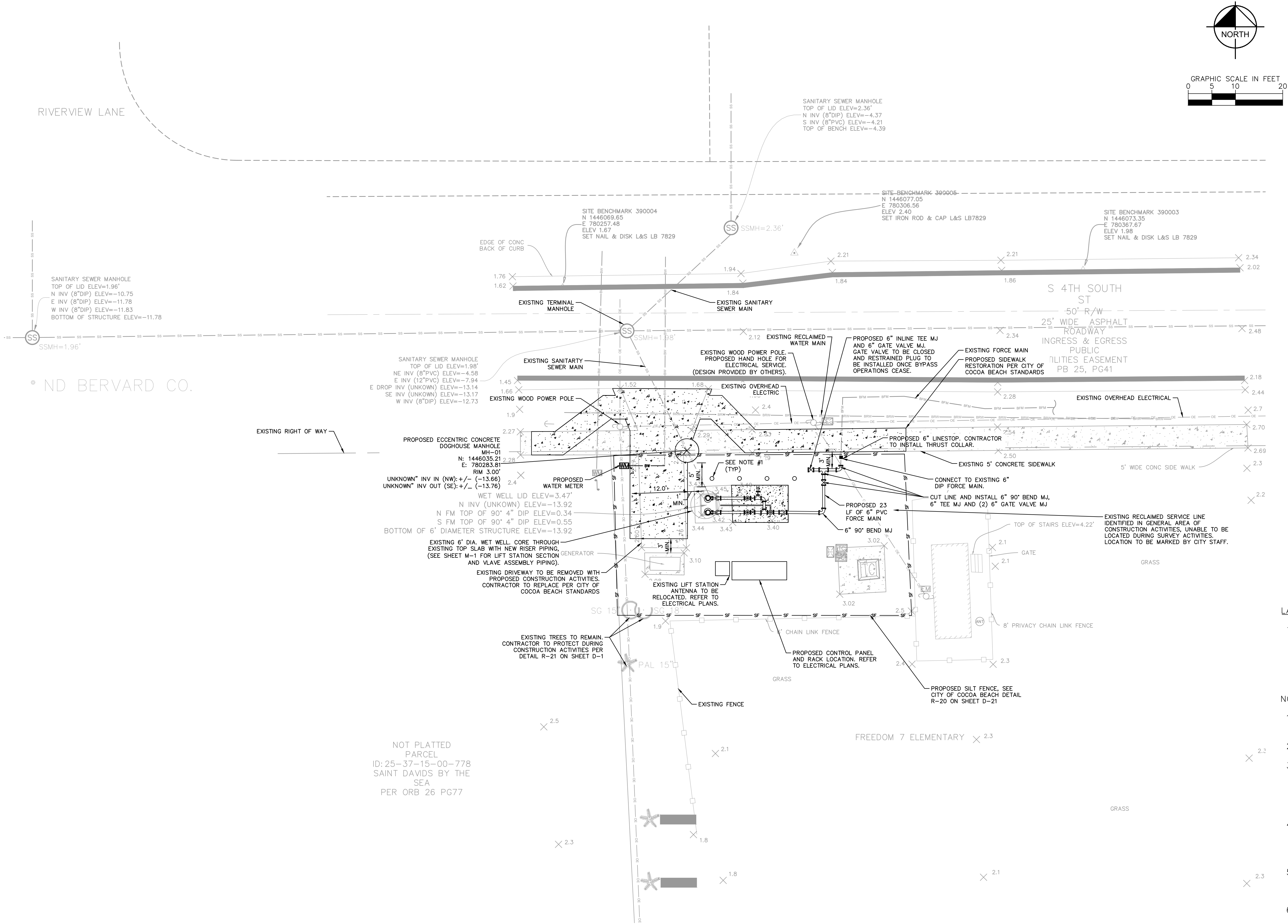
DEMO PLAN

DATE: _____

SHEET NUMBER

DE-1

Sheet Set: Lift Station 6 Rehabilitation - LIFT STATION 6 SITE AND GRADING PLAN - May 09, 2025 11:14:08am - Kimley-Horn.com \FL ORL02 ORL-Utilities\147965 - Cocoa Beach\147965002 - Lift Station 6 Rehabilitation\CADD\PlanSheets\C-1 LIFT STATION 6 SITE AND GRADING PLAN
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LEGEND

- CONCRETE PAD AND WALK RESTORATION
- PROPOSED WATER MAIN
- PROPOSED WATER METER
- PROPOSED FORCE MAIN
- PROPOSED LINES TOP
- PROPOSED TEE
- PROPOSED GATE VALVE
- PROPOSED BEND (45°-90°)
- PROPOSED 6X4 REDUCER
- PROPOSED DOGHOUSE MANHOLE
- EXISTING FORCE MAIN
- EXISTING FORCE MAIN
- EXISTING SANITARY SEWER
- EXISTING WATER MAIN
- EXISTING GAS
- EXISTING OVERHEAD ELECTRICAL
- EXISTING BURIED ELECTRICAL
- PROPERTY BOUNDARY LINE
- RIGHT OF WAY
- PROPOSED SILT FENCE

LABEL NOTE:

- PROPOSED REMOVEABLE BOLLARDS WITH SPACING EVERY 5 FEET (TYP). SEE DETAIL SHEET D-3.

NOTES:

- CONTRACTOR TO VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION
- SOD ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES.
- LIFT STATION DRIVEWAY OR CONCRETE PADS TO BE 6" THICK 3000 PSI CONCRETE AT 28 DAYS WITH 6X6 10/10 W.W. MESH. BASE TO BE COMPACTED AND TESTED TO 98% DENSITY WITH MINIMUM L.B.R. 40 BASED ON A.A.S.H.T.O. T-180 MODIFIED PROCTOR TEST.
- CONTRACTOR TO PREPARE MAINTENANCE OF TRAFFIC (MOT) PLANS FOR PEDESTRIAN AND VEHICULAR MOT. CONTRACTOR TO SUBMIT TO THE CITY OF COCOA BEACH FOR REVIEW AND APPROVAL.
- ALL PIPING TO BE RESTRAINED WITH MEGALUG FITTING OR EQUAL. ALL JOINTS TO BE RESTRAINED.
- EXISTING RECLAIMED SERVICE LINE IN IDENTIFIED GENERAL AREA OF CONSTRUCTION ACTIVITIES, UNABLE TO BE LOCATED DURING SURVEY ACTIVITIES. LOCATION TO BE MARKED BY CITY STAFF.

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LIFT STATION 6 REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH

COCOA BEACH

LICENSED PROFESSIONAL

A. TUCKER HUNTER

FLORIDA LICENSE NUMBER
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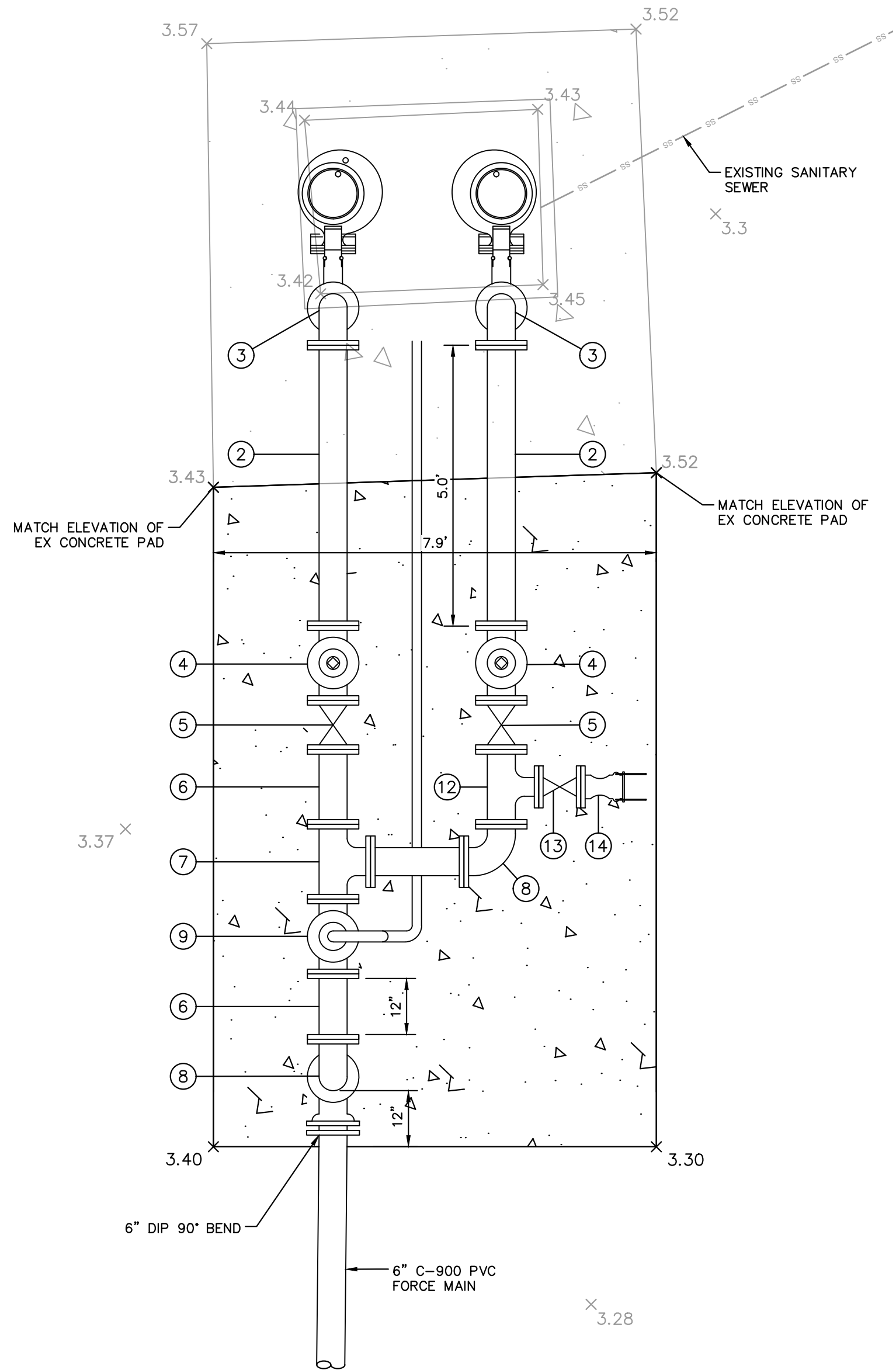
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**LIFT STATION 6 SITE AND GRADING
PLAN**

SHEET NUMBER

C-1

Plotted By:McClure, Amanda Sheet Set:Lift Station 6 Rehabilitation L09004-M-1 Lift Station 6 Mechanical Plan May 09, 2025 11:14:18am \\kimley-horn.com\\F001-02\\LIFT-Utilities\\47965 - Cocoa Beach\\47965002 - Lift Station 6 Rehabilitation\\CADD\\PlanSheets\\M-1 Lift Station 6 Mechanical Plan.dwg This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTE:
1. LIFT STATION NOTES AND DETAILS ARE TO BE USED IN COORDINATION WITH S-15 ON SHEETS D-1. THE NOTES AND DETAILS ON THIS SHEET SUPERCEDE ANY CONFLICTING INFORMATION FROM SHEET D-1.

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LIFT STATION 6 REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH

COCOA BEACH

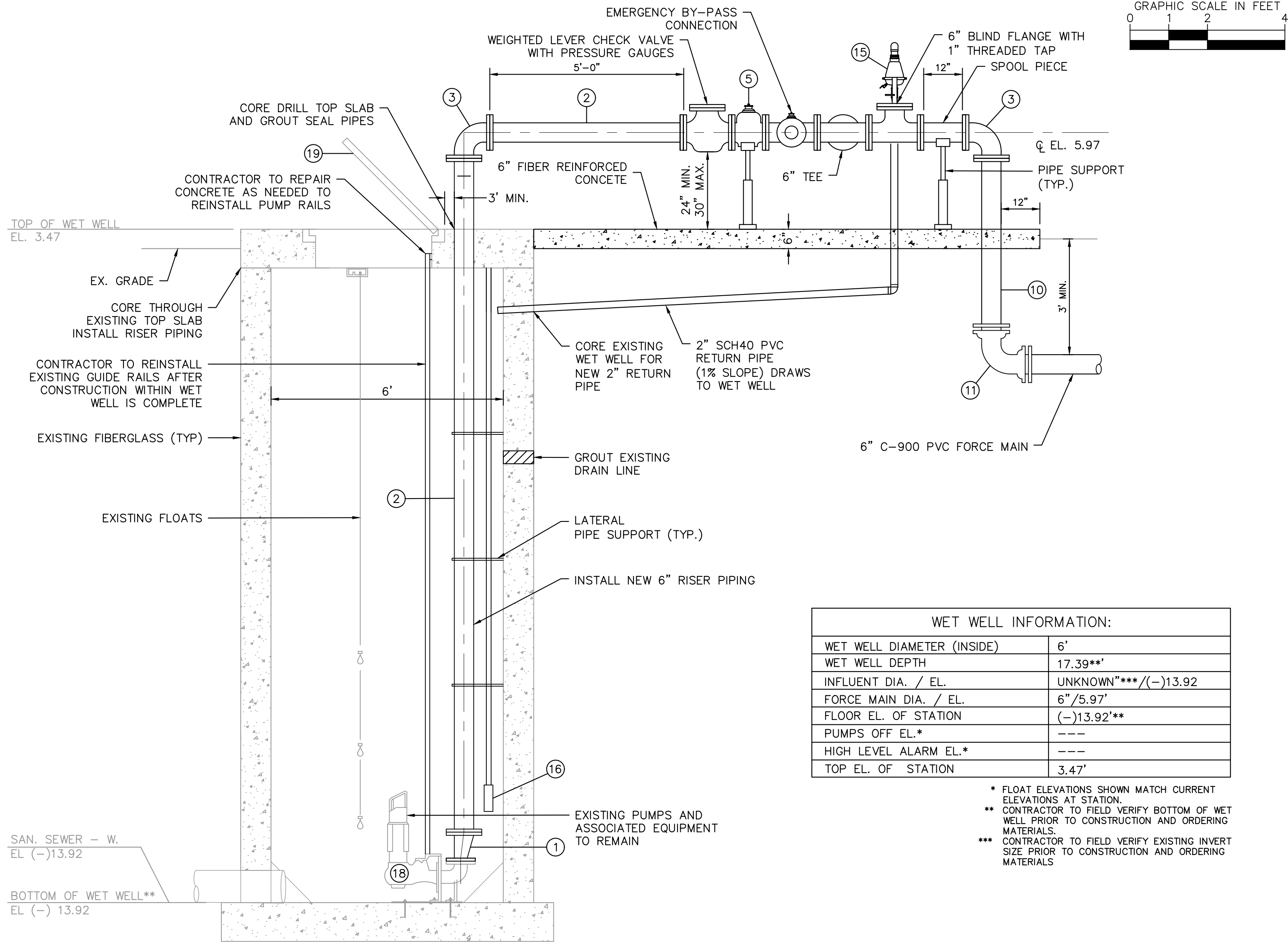
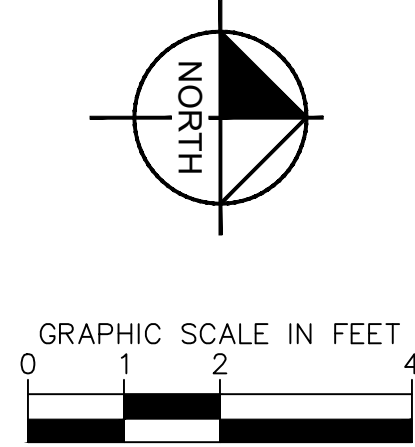
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DATE: ----

LIFT STATION 6 MECHANICAL PLAN

SHEET NUMBER

M-1



** SURVEYOR UNABLE TO VERIFY BOTTOM OF LIFT STATION DUE TO BUILD UP OF MATERIALS IN THE BOTTOM OF THE WET WELL. CONTRACTOR TO VERIFY BOTTOM OF WET WELL PRIOR TO ORDERING MATERIALS AND COMMENCING CONSTRUCTION.

(PIPELINES ROTATED FOR CLARITY)
SECTION
SCALE: 1" = 2'

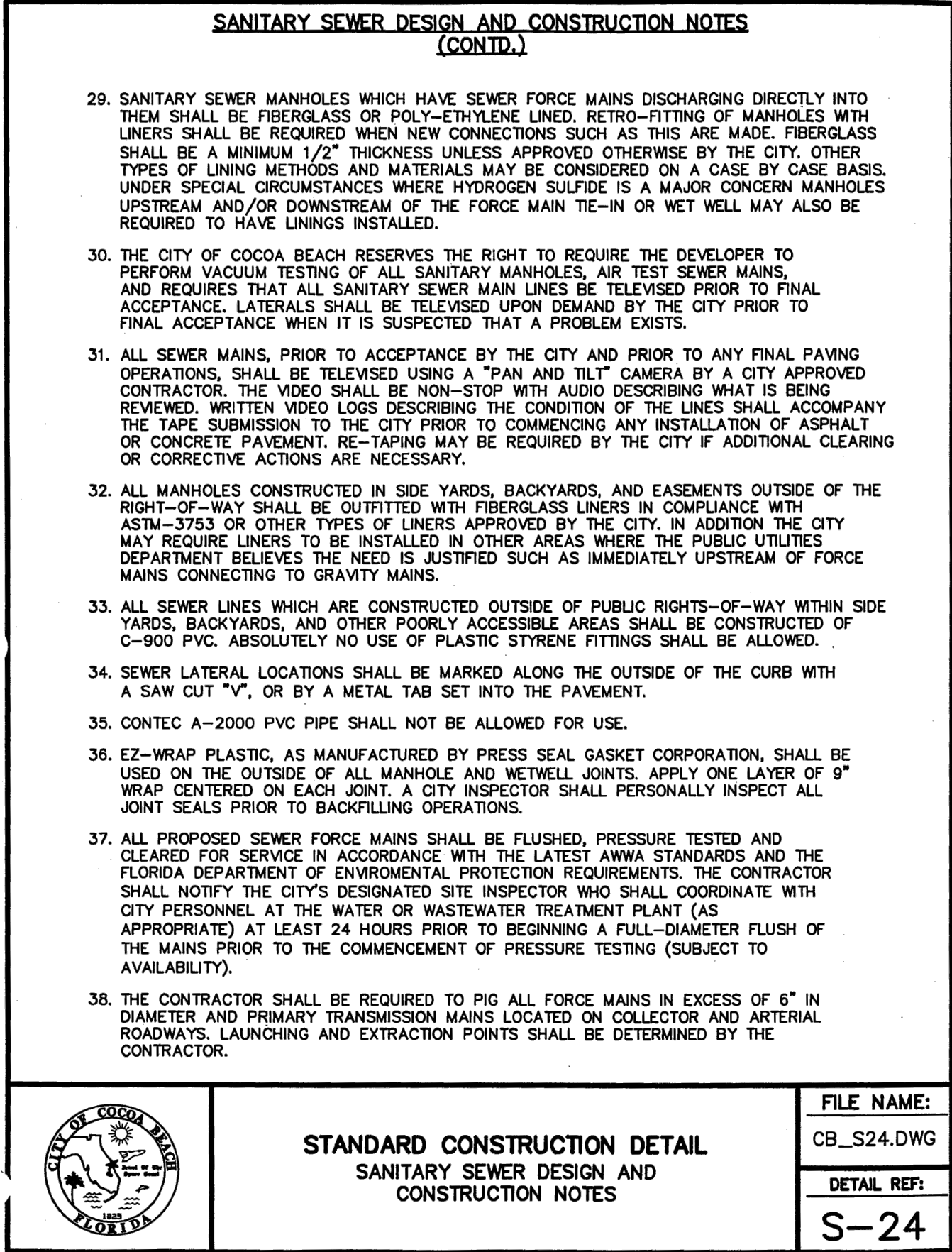
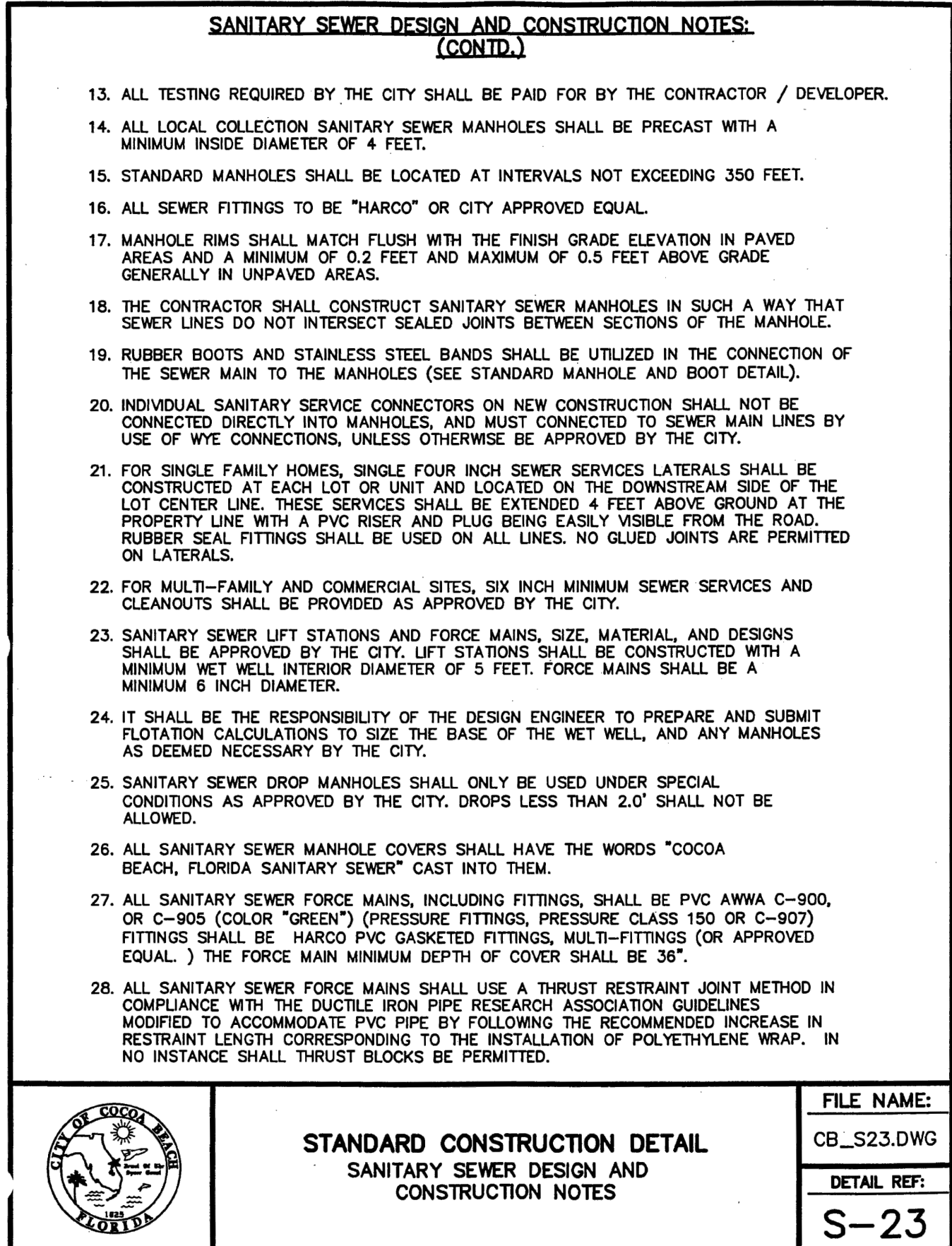
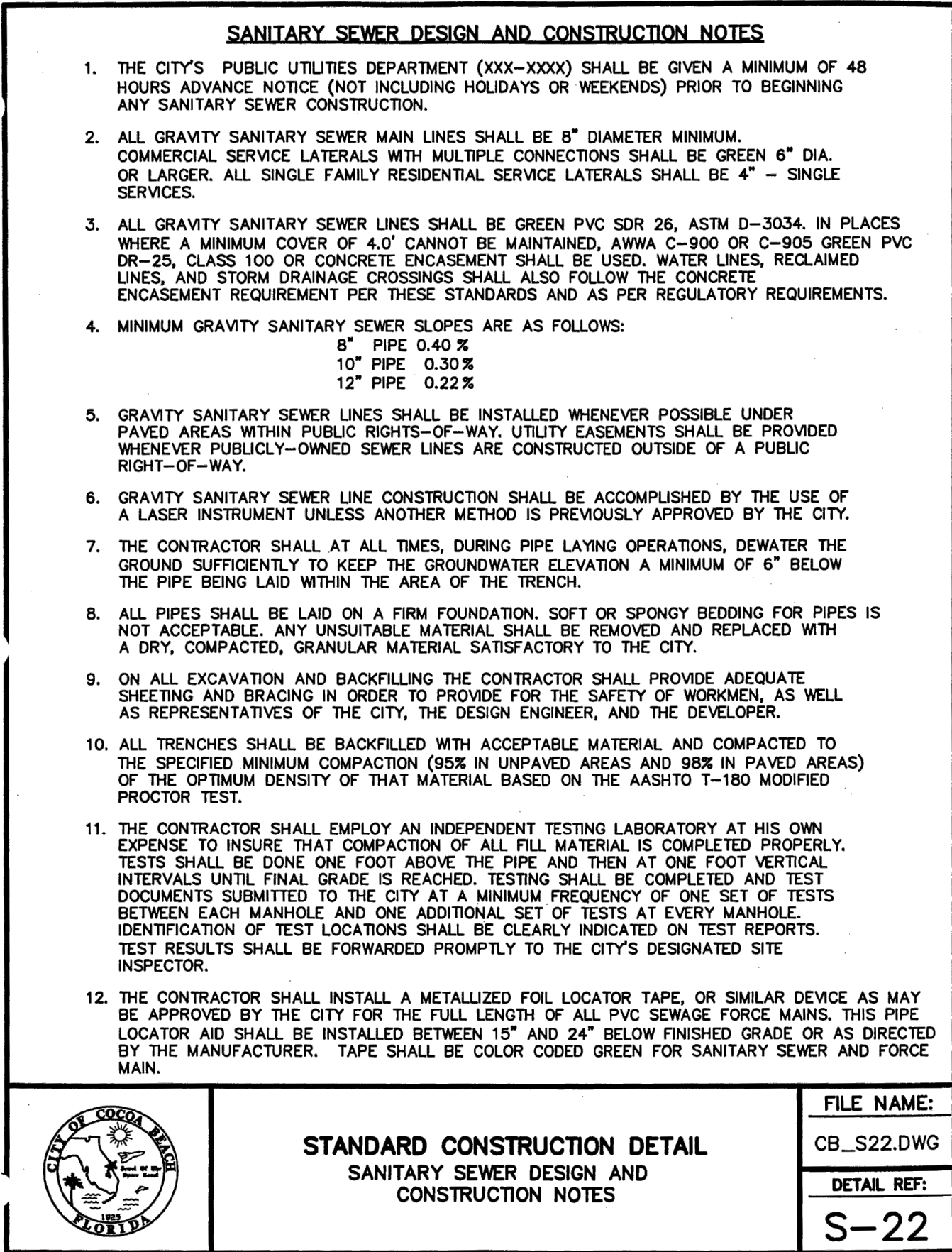
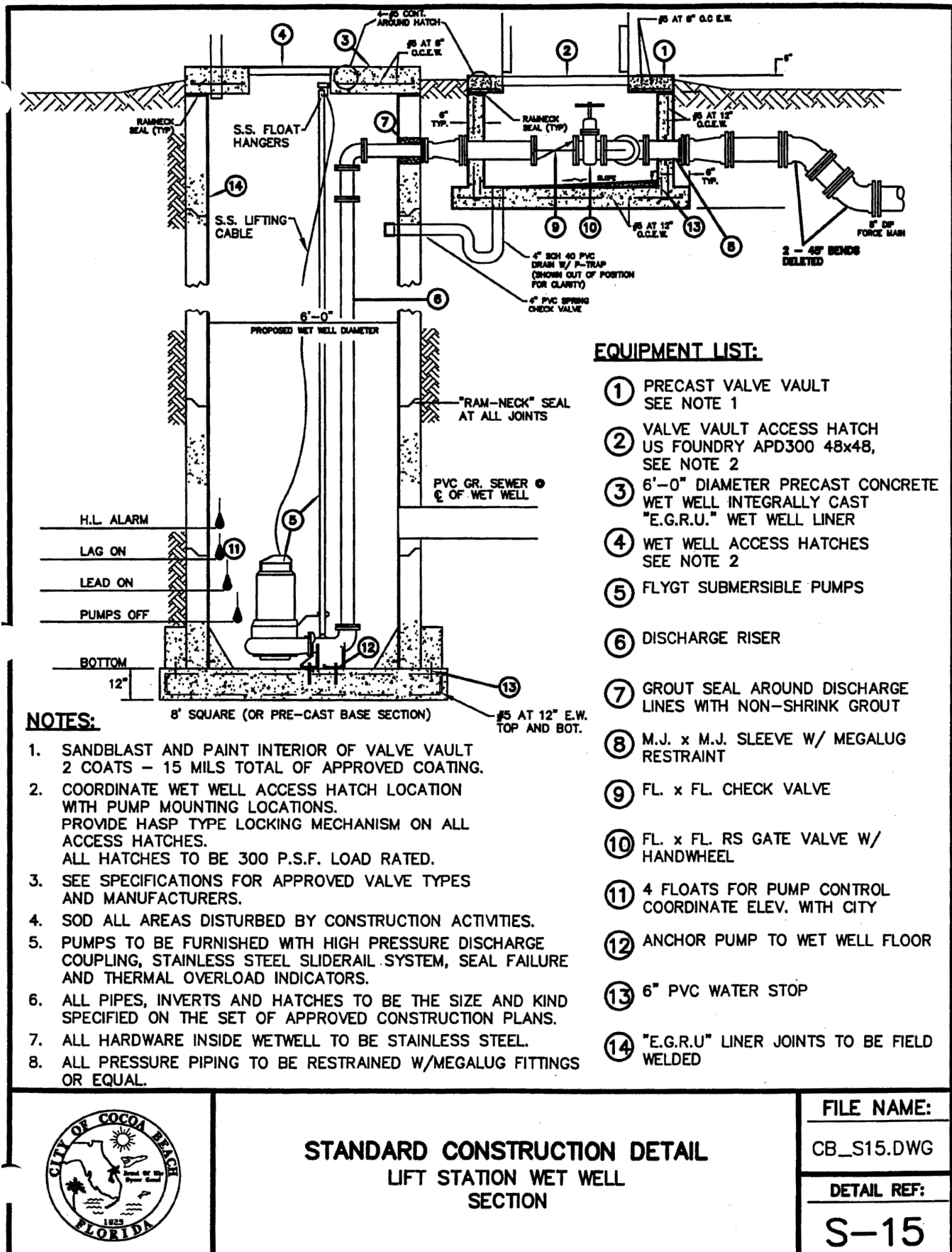
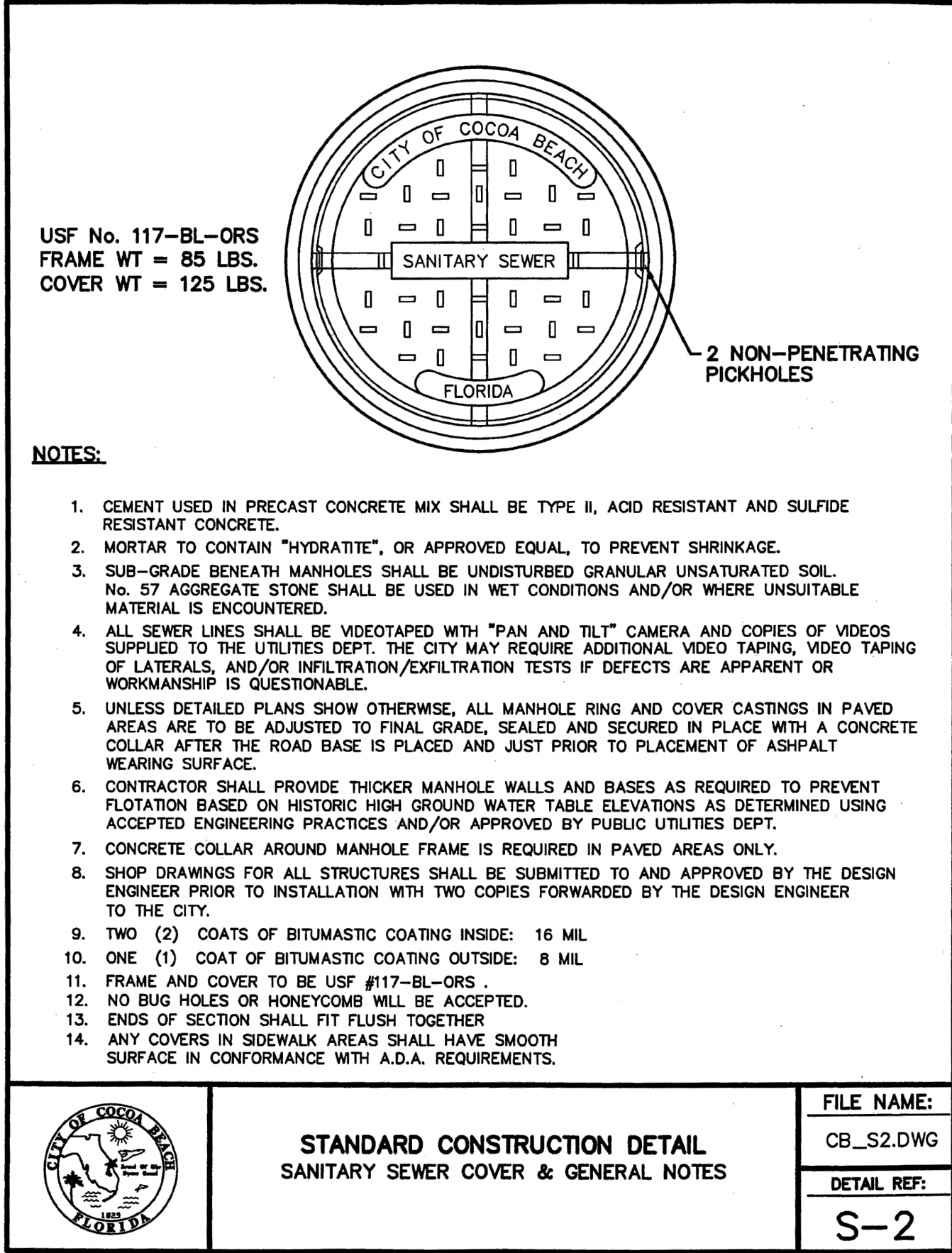
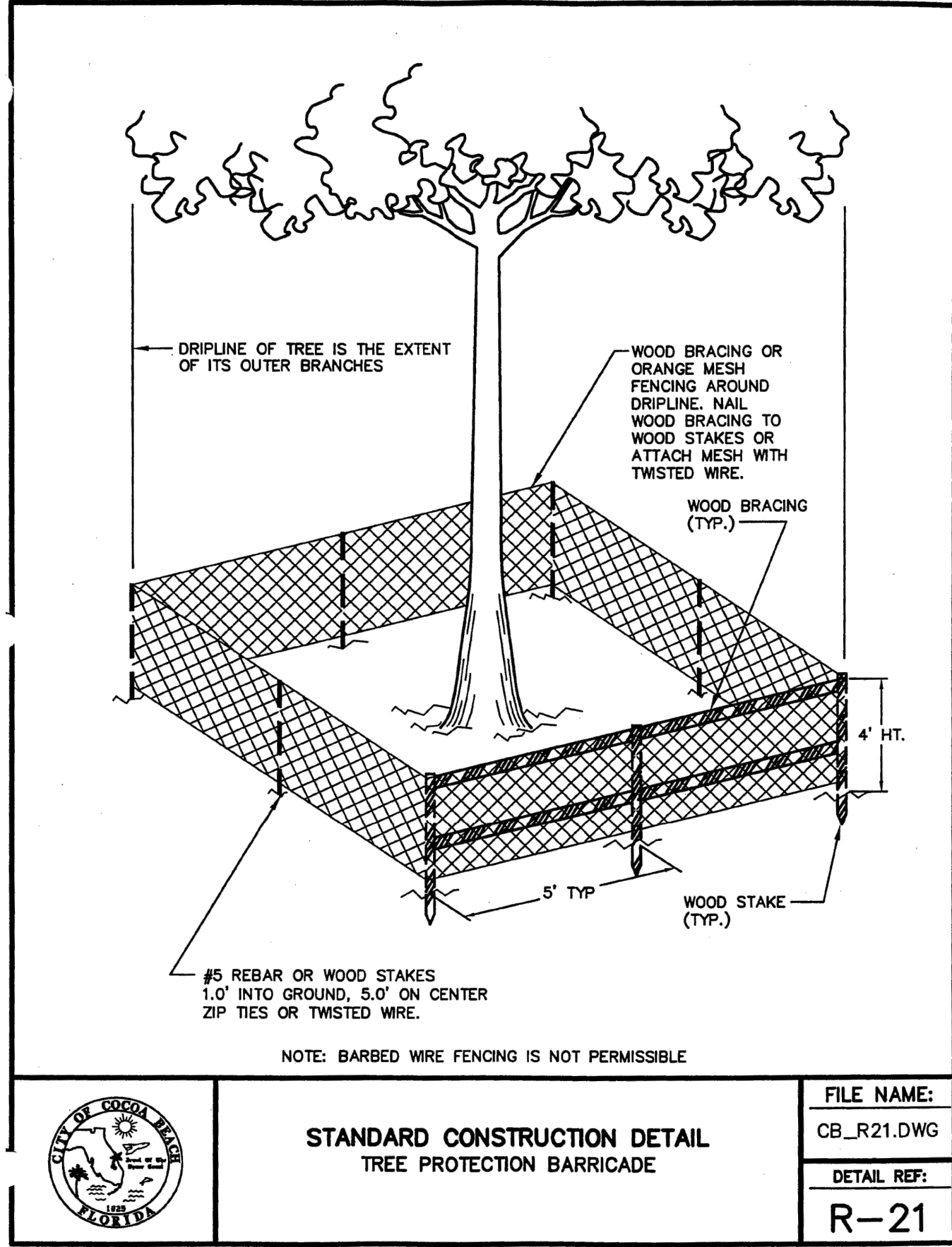
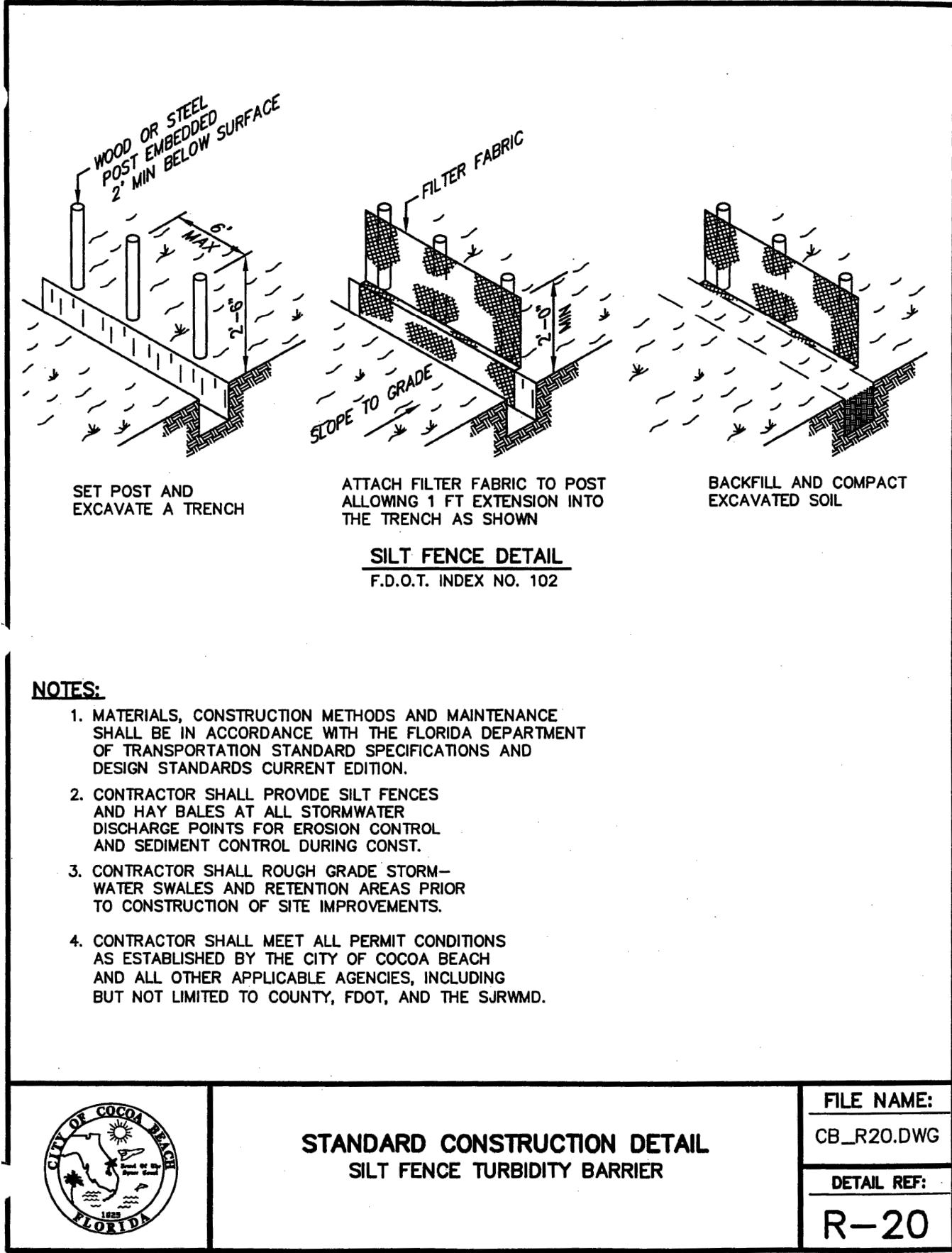
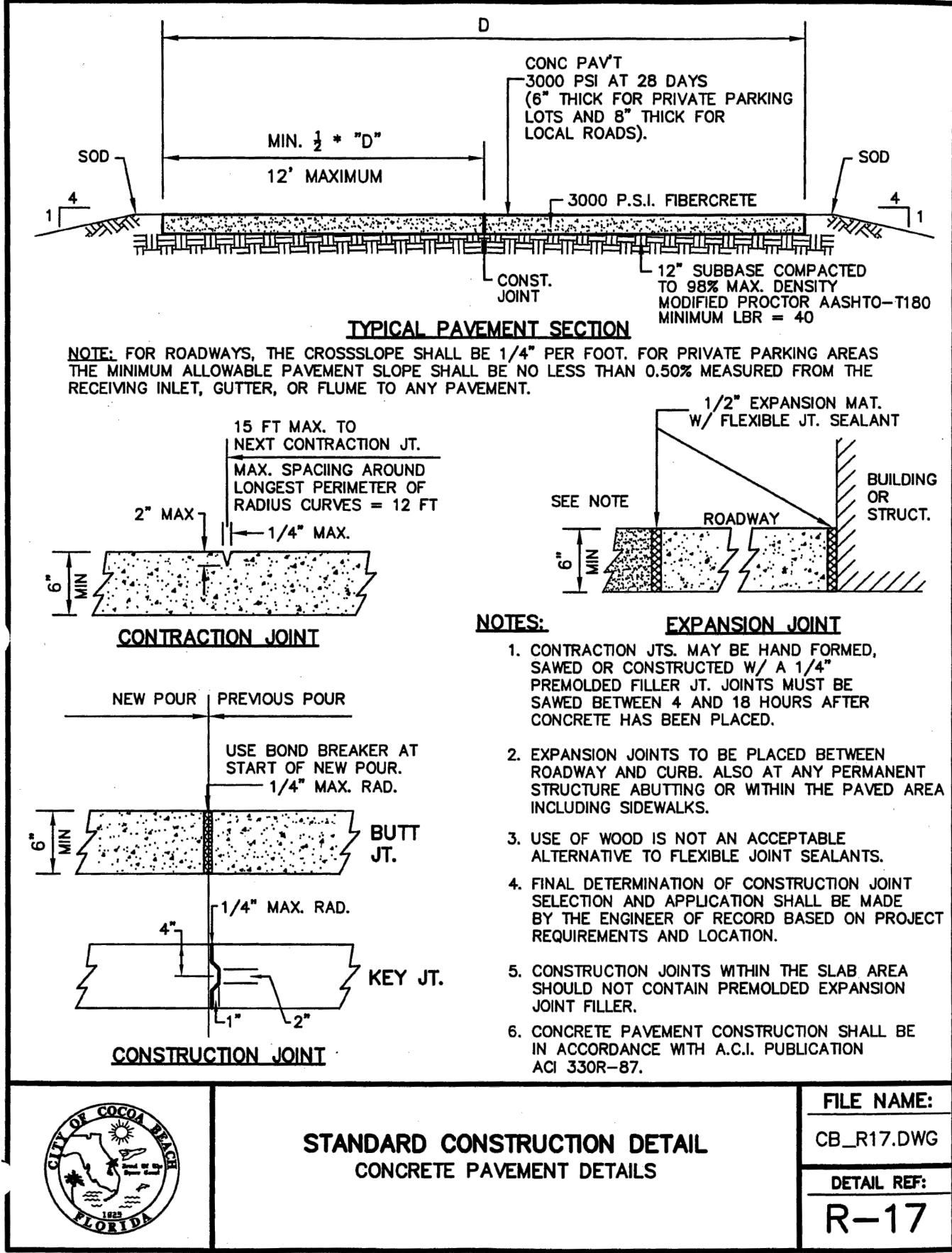
LEGEND

- ① 6"x4" SS ECCENTRIC REDUCER, FLG
- ② 6" 316 SS, SCH 40 PIPING, FLG
- ③ 6" SS 90° BEND, FLG
- ④ 6" SS CHECK VALVE, FLG
- ⑤ 6" SS PLUG VALVE, FLG
- ⑥ 6" SS SPOOL PIECE, FLG
- ⑦ 6" SS TEE, FLG
- ⑧ 6" DIP 90° BEND, FLG
- ⑨ 6" SS TEE, FLG WITH ARV ASSEMBLY AND 1" THREADED TAP ON 6" BLIND FLANGE
- ⑩ 6" DIP, FLG x PE
- ⑪ 6" DIP 90° BEND, MJ
- ⑫ 6"x4" SS TEE, FLG
- ⑬ 4" SS PLUG VALVE, FLG
- ⑭ 4" CAM LOCK
- ⑮ 2" AIR/VACUUM RELEASE VALVE (ARI D-40)
- ⑯ TRANSDUCER
- ⑰ 2" 316 SS GUIDE RAIL
- ⑱ EXISTING SUBMERSIBLE PUMPS TO REMAIN
- ⑲ EXISTING ACCESS HATCH

NOTES:

- 1. ALL PENETRATIONS THROUGH WET WELL WALLS SHALL BE SEALED WITH A NON-SHRINKING GROUT EXCEPT WHERE FLEXIBLE MANHOLE CONNECTORS ARE USED. NO PENETRATIONS ARE PERMITTED FOR LIFTING PURPOSES.
- 2. ANCHOR BOLTS SHALL BE STAINLESS STEEL. ANCHOR TYPE AND METHOD OF INSTALLATION SHALL BE AS RECOMMENDED BY THE PUMP MANUFACTURER.
- 3. JOINT SEAL SHALL BE APPLIED.
- 4. ALL EXPOSED CONCRETE PENETRATIONS TO BE LINED OR COATED WITH APPROVED MATERIALS.
- 5. A 4 ½" PRESSURE GAUGE SHALL BE INSTALLED ON THE TOP OF EACH CHECK VALVE. THE GAUGES SHALL BE MOUNTED ON A 1/2" NPT BRASS NIPPLE WITH PETCOCK. GAUGES SHALL BE CALIBRATED IN PSI AND FEET OF HEAD INCREMENTS. STAINLESS STEEL DIAPHRAGM PROTECTORS SHALL BE PROVIDED.
- 6. RANGE OF PRESSURE GAUGE SHALL BE APPROVED BY CITY OF COCOA BEACH WATER RECLAMATION DEPARTMENT STAFF.
- 7. CONTRACTOR SHALL INSTALL VALVE ASSEMBLY ABOVE GROUND VALVE HAND WHEELS TO BE SECURED WITH 3/8" DIAMETER, EPOXY COATED, STAINLESS STEEL CABLE AND PADLOCK TO PREVENT UNAUTHORIZED OPERATION OF THE VALVES.
- 8. ALL PIPES, INVERTS AND HATCHES TO BE THE SIZE AND KIND OF SPECIFIED ON THE SET OF APPROVED CONSTRUCTION PLANS.
- 9. ALL HARDWARE INSIDE WET WELL TO BE STAINLESS STEEL.
- 10. ALL PRESSURE PIPING TO BE RESTRAINED WITH MEGALUG FITTINGS OR EQUAL.
- 11. ALL ABOVE GRADE STAINLESS STEEL PIPE VALVES AND FITTINGS SHALL BE 316SS, SCH 40
- 12. ALL BELOW GRADE PIPE VALVES AND FITTINGS SHALL BE MECHANICAL JOINT (MJ)
- 13. ALL JOINTS TO BE RESTRAINED.

Plotted By:McLure, Amanda Sheet Set: Lift Station 6 Rehabilitation Layout: D-1 STANDARD DETAILS May 09, 2025 11:14:40am \\kimley-horn.com\EL\02 ORL\Utilities\47965 - Lift Station 6 Rehabilitation\CADD\PlanSheets\0-1 STANDARD DETAILS.dwg This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



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KHA PROJECT
147965002
DATE
MAY 2025
SCALE AS SHOWN
DESIGNED BY AJC
DRAWN BY DLC
CHECKED BY ATH

LIFT STATION 6 REHABILITATION

PREPARED FOR
CITY OF COCOA BEACH

COCOA BEACH

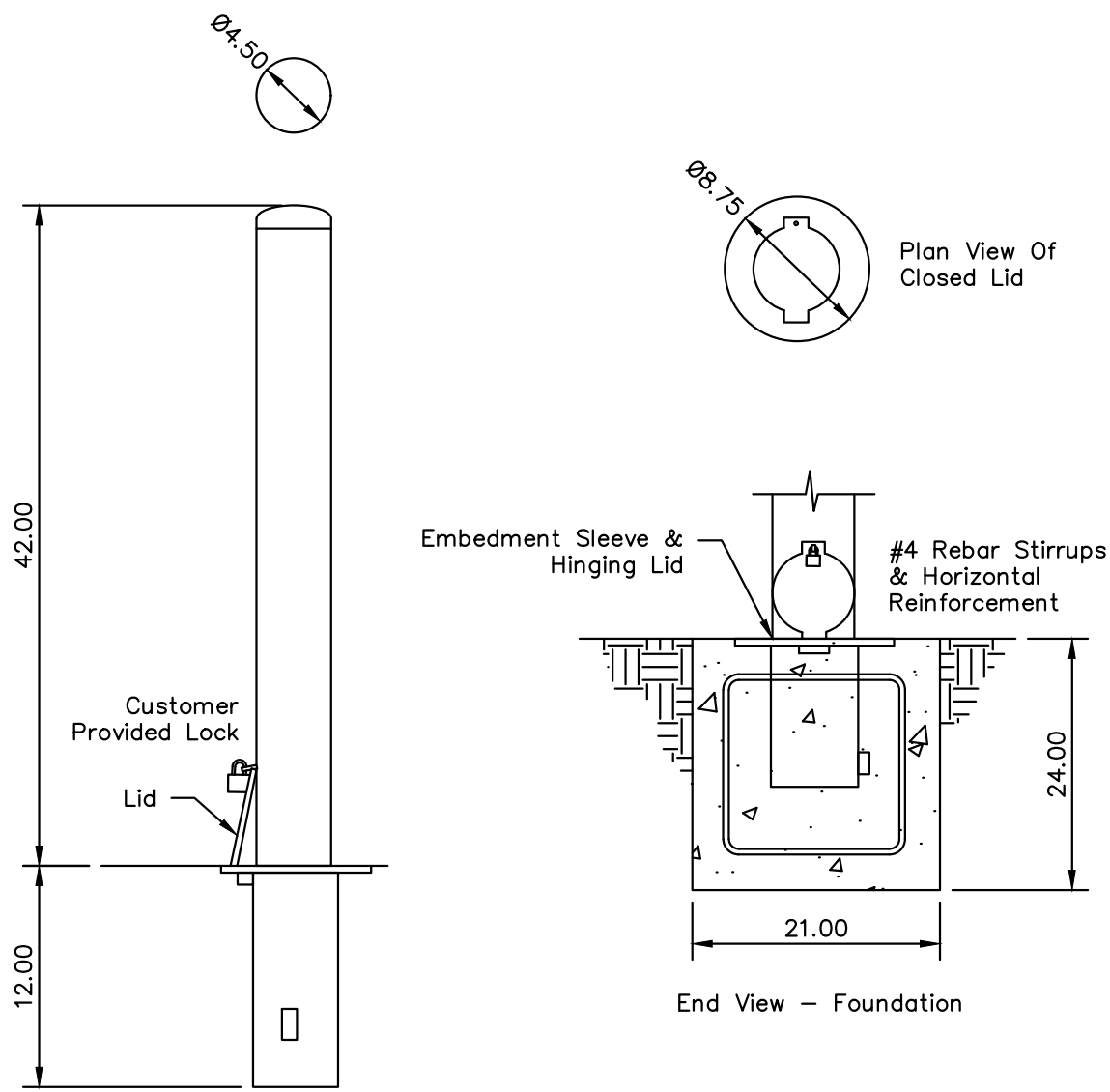
LICENSED PROFESSIONAL
A. TUCKER HUNTER
FLORIDA LICENSE NUMBER
88634
DATE: ----

STANDARD DETAILS

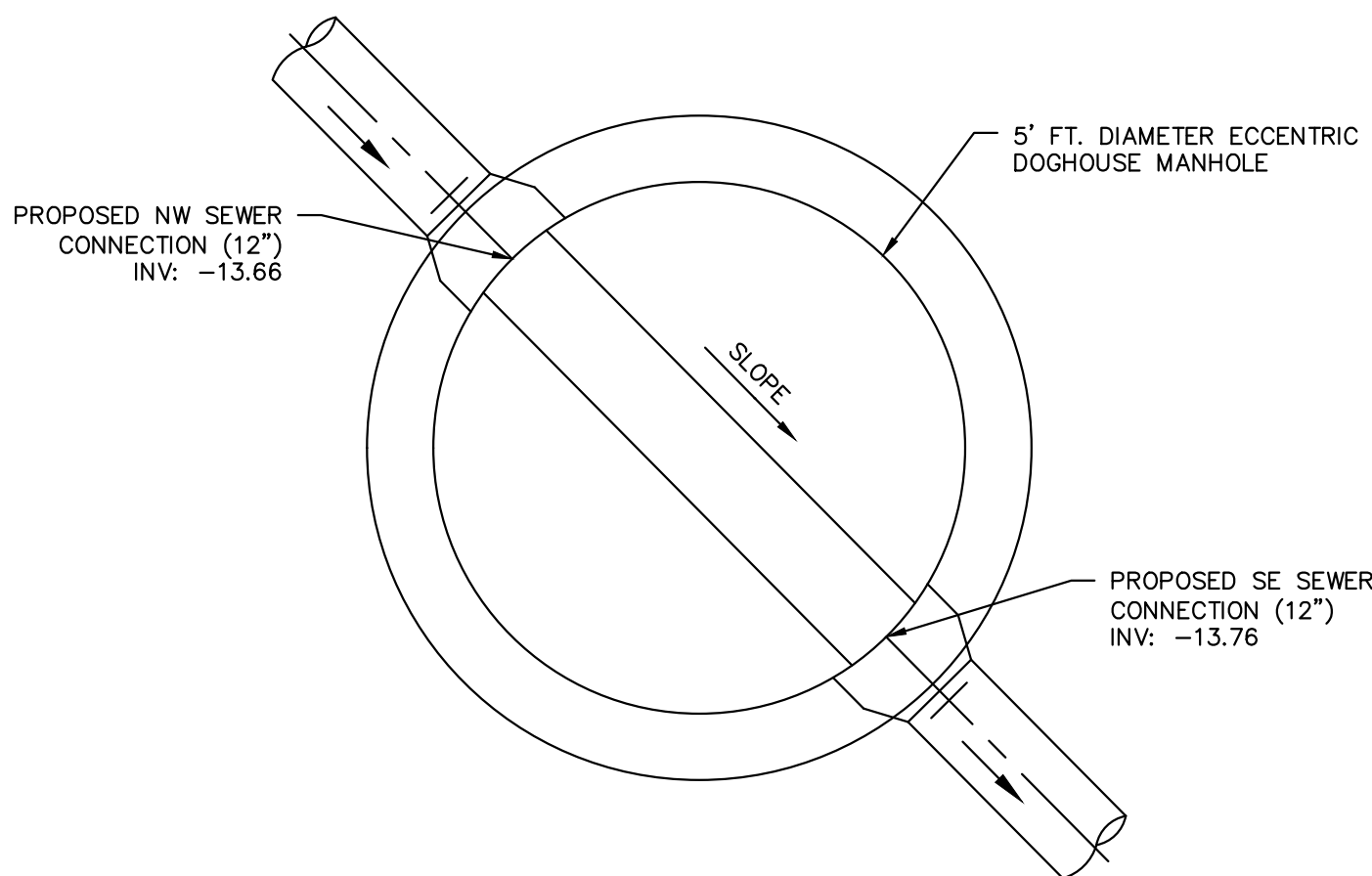
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SHEET NUMBER

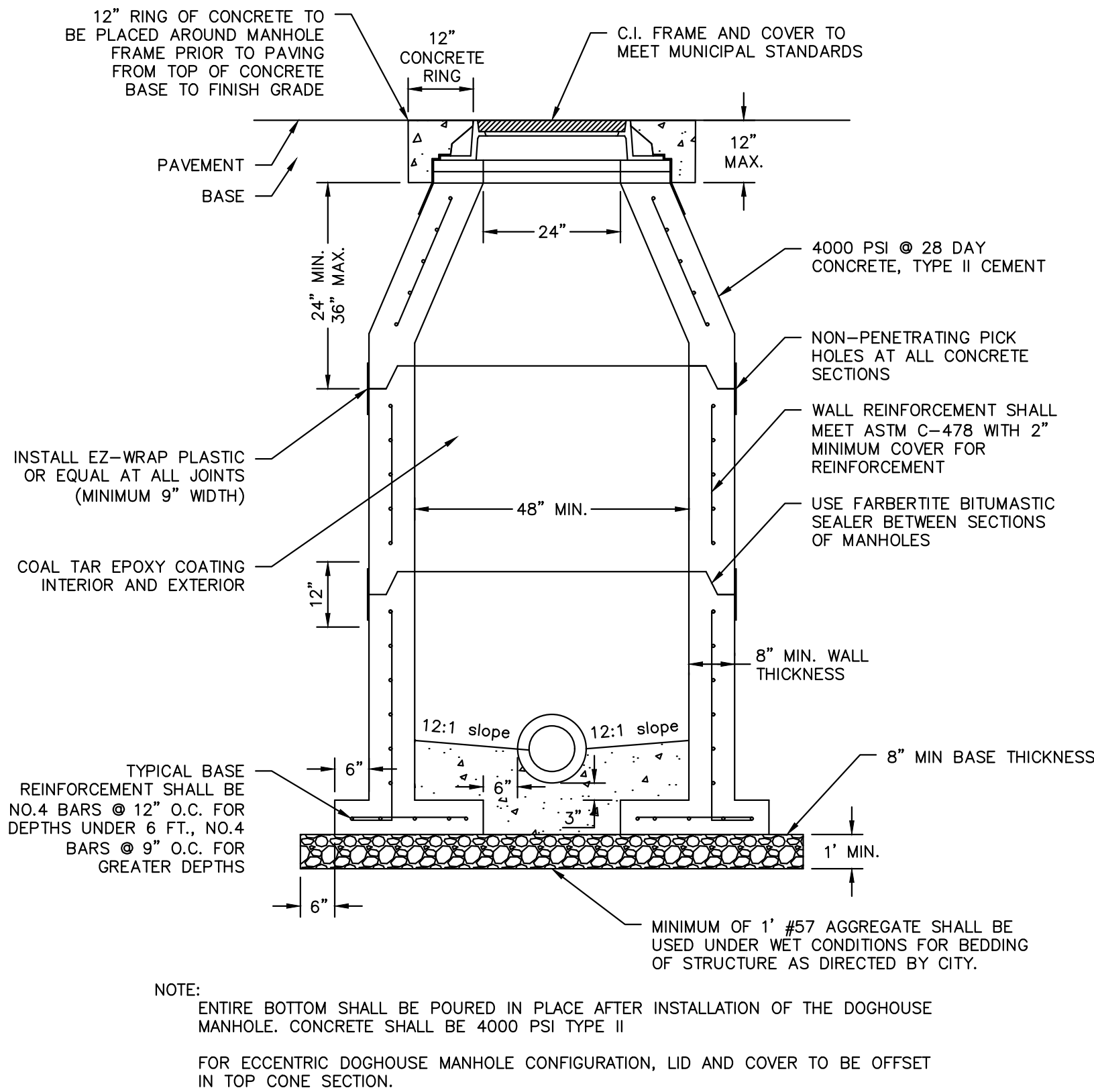
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Plotted By: McElure, Amanda
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REMOVABLE/LOCKABLE STAINLESS STEEL BOLLARDS
SCALE=N.T.S



MANHOLE BENCH DETAIL
SCALE=N.T.S



DOGHOUSE MANHOLE DETAIL
SCALE=N.T.S

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LIFT STATION 6 REHABILITATION

PREPARED FOR
CITY OF COCOA BEACH

COCOA BEACH FLORIDA

LICENSED PROFESSIONAL A. TUCKER HUNTER FLORIDA LICENSE NUMBER 88634 DATE: - - -	STANDARD DETAILS	SHEET NUMBER D-3
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Page 108 of 156

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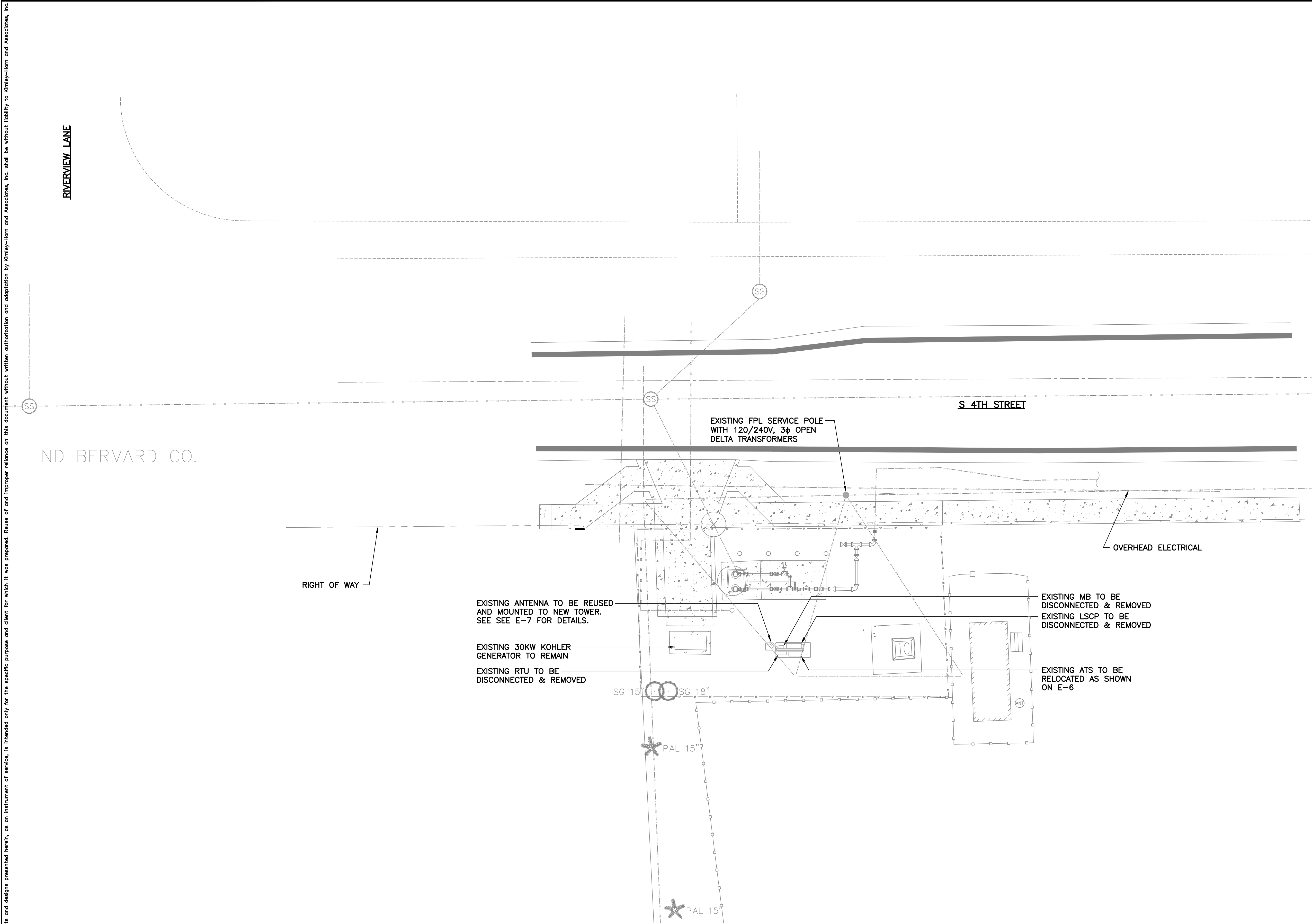
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147965003
DATE
MAY 2025
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DESIGNED BY JPL
DRAWN BY TJM
CHECKED BY SEB

LIFT STATION 6
REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH
CITY OF COCOA BEACH FLORIDA

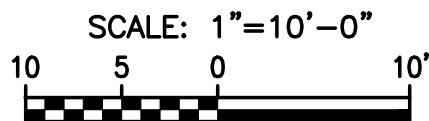
LICENSED PROFESSIONAL
STEPHEN E. BAILEY
42461
DATE:

LS6 ELECTRICAL SITE PLAN

SHEET NUMBER
E-2



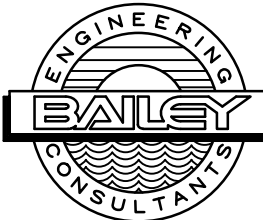
LS6 ELECTRICAL SITE PLAN



APPROXIMATE SITE ADDRESS
S 4TH STREET
COCOA BEACH, FL 32931

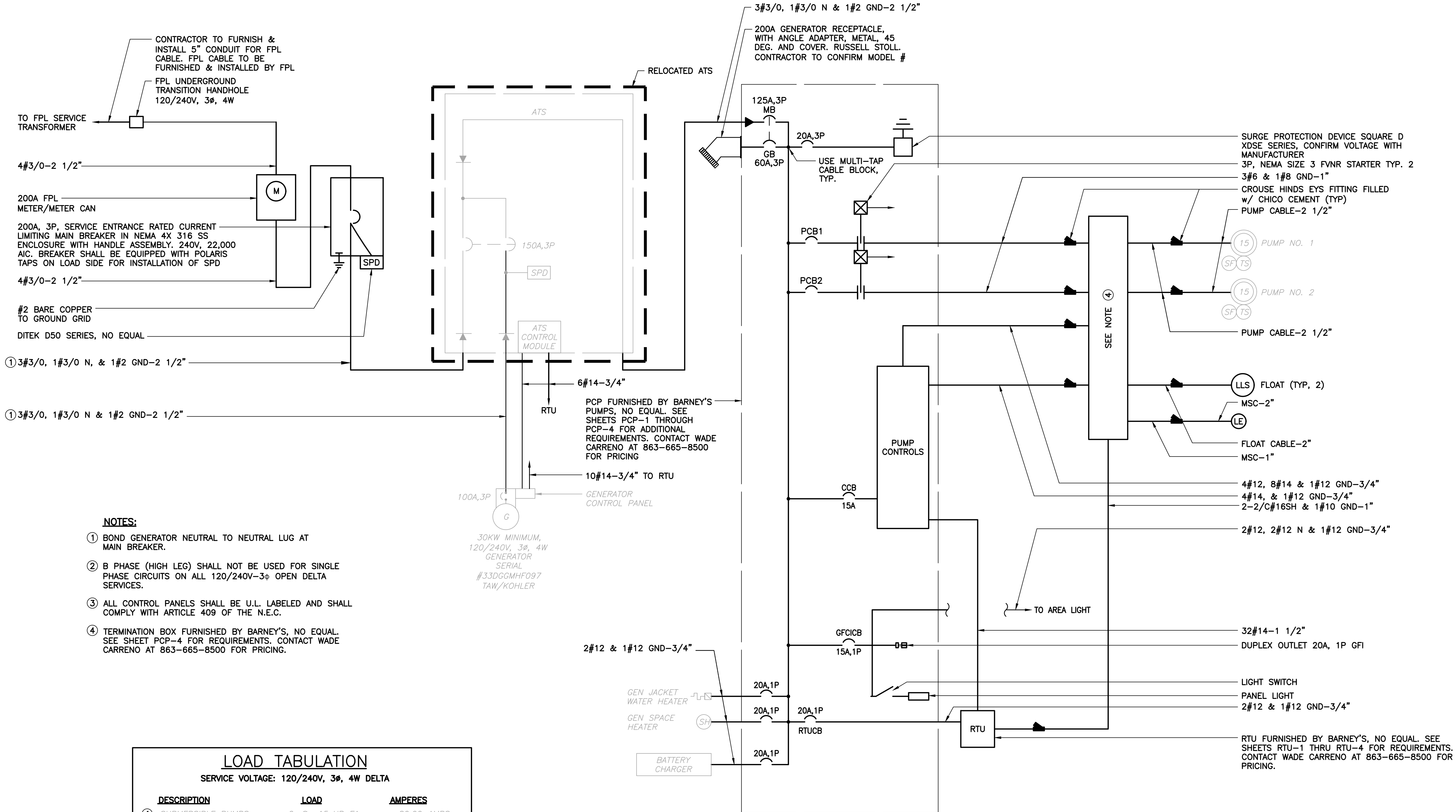
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PHONE: (954) 448-7830
C.O.A. NO. 6783
Stephen E. Bailey, P.E.
Florida P.E. No. 42461



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SINGLE LINE DIAGRAM

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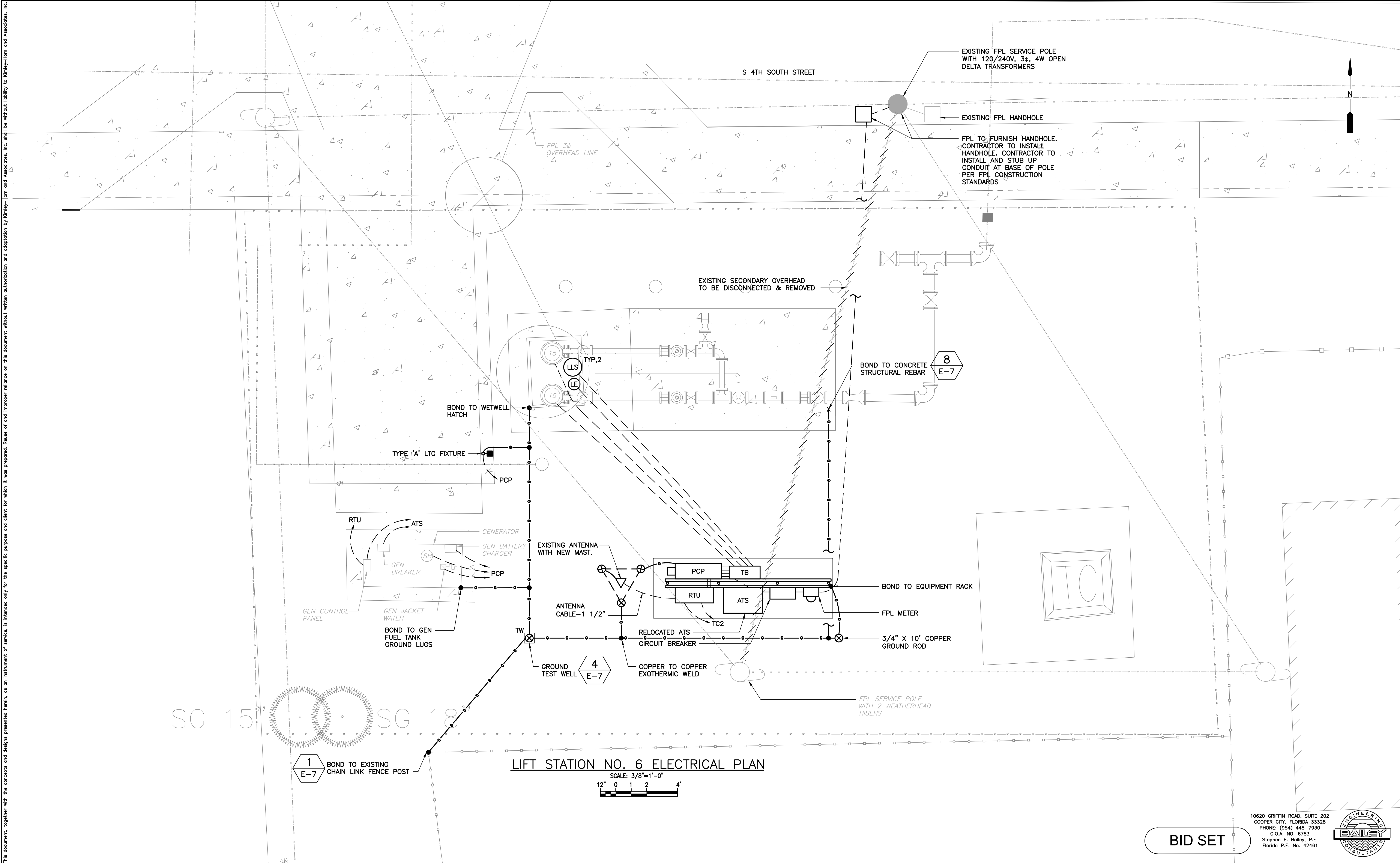
SINGLE LINE DIAGRAM

SHEET NUMBER

E-3

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147965003

DATE
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SCALE AS SHOWN

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DRAWN BY TJM

CHECKED BY SEB

LIFT STATION 6
REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH
CITY OF COCOA BEACH FLORIDA

LICENSED PROFESSIONAL

STEPHEN E. BAILEY
42461

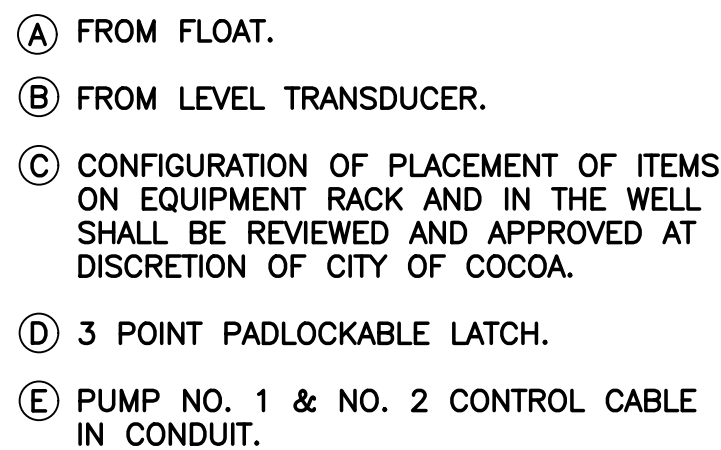
DATE:

LIFT STATION NO.6
ELECTRICAL PLAN

SHEET NUMBER
E-4



- A. PROPOSED MAST HEIGHT WILL BE DETERMINED BY CITY OF COCOA BEACH PRIOR TO CONSTRUCTION
- B. NEW MAST TO CONFORM TO THE CURRENT BUILDING AND ZONING CODES
- C. DO NOT CONSTRUCT MAST WITHIN 3 FEET OF AN ELECTRICAL SERVICE DROP (480V OR LESS), WITHIN 10' OF 32KV WITHIN 15' OF UP TO 115 KV OR WITHIN 20' OF LINE EXCEEDING 115 KV
- D. MAST IS ROHN G-SERIES SELF STANDING TOWER MODEL 45G
- E. SHAPE TOP OF SLAB TO PREVENT WATER PONDING
- F. ANTENNA TO BE CERTIFIED PER THE FLORIDA BUILDING CODE. CONTRACTOR SHALL SUBMIT SIGNED AND SEALED WIND LOAD CALCULATIONS FROM STRUCTURAL ENGINEER LICENSED IN THE STATE OF FLORIDA.
- G. STAINLESS STEEL CLAMPS WITH CABLE RANGER KITS AT 2' OC MAX SPACING. CABLE TO BE ROUTED ON INSIDE OF TOWER LEG OPPOSITE RTU CABINET.
- H. NO CONDUIT COUPLINGS PERMITTED BETWEEN TOP OF SAB AND BOTTOM OF RTU CABINET
- I. MEYERS HUBS REQUIRED AT ALL CABINET PENETRATIONS
- J. 1-1/2" UNI-STRUT TO BE USED FOR MOUNTING
- K. GROUNDING WIRE TO CONNECT TO INSIDE OF TOWER LEG



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LIFT STATION 6
REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH

FLORIDA

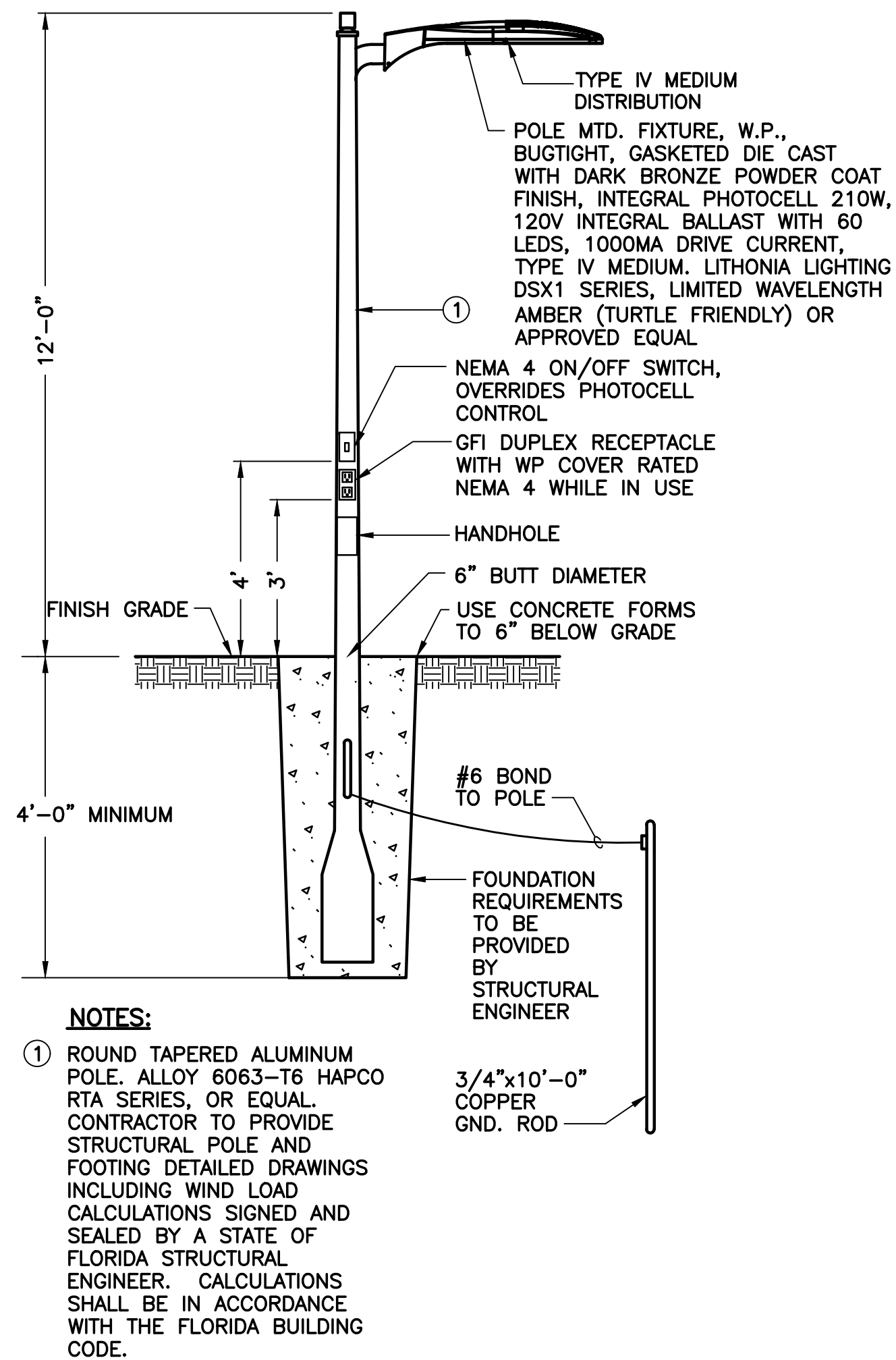
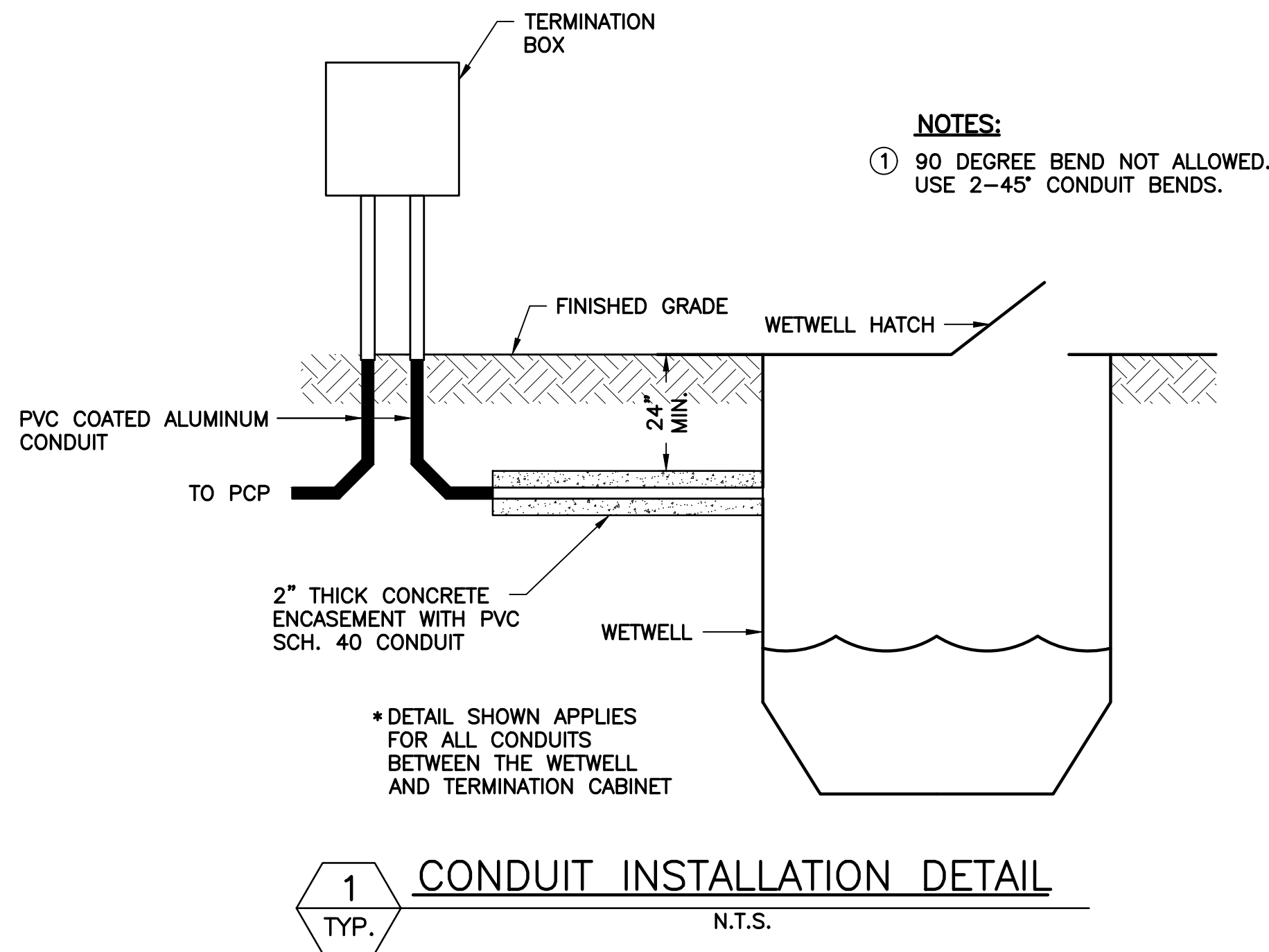
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DATE: _____

RACK DETAILS

SHEET NUMBER

E-5



REFERENCE STANDARDS

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
NFPA 70, NATIONAL ELECTRICAL CODE (NEC)
NFPA 79, INDUSTRIAL CONTROL EQUIPMENT
UL 508 - INDUSTRIAL CONTROL EQUIPMENT - FOR CUSTOM FABRICATED EQUIPMENT

GENERAL

ALL INSTRUMENTATION AND ELECTRONIC EQUIPMENT SHALL BE OF THE MANUFACTURER'S LATEST DESIGN, UTILIZING PRINTED CIRCUITRY AND EPOXY OR EQUAL COATING TO PREVENT CONTAMINATION BY DUST, MOISTURE, AND FUNGUS. THE FIELD MOUNTED EQUIPMENT AND SYSTEM COMPONENTS SHALL BE DESIGNED FOR INSTALLATION IN DUSTY, HUMID AND SLIGHTLY CORROSIVE SERVICE CONDITIONS.

ALL EQUIPMENT CABINETS AND DEVICES FURNISHED SHALL BE HEAVY DUTY TYPE, DESIGNED FOR CONTINUOUS INDUSTRIAL SERVICE. THE SYSTEM SHALL CONTAIN SIMILAR PRODUCTS OF A SINGLE MANUFACTURER AND SHALL CONSIST OF EQUIPMENT MODELS, WHICH ARE CURRENTLY IN PRODUCTION. ALL EQUIPMENT PROVIDED SHALL BE OF MODULAR CONSTRUCTION AND SHALL BE CAPABLE OF FIELD EXPANSION.

ALL SWITCHES SHALL HAVE DOUBLE POLE, DOUBLE THROW CONTACTS RATED AT A MINIMUM OF 600 VA, UNLESS NOTED OTHERWISE.

SWITCHES AND/OR SIGNALS INDICATING AN ALARM, FAILURE OR UPSET CONDITION SHALL BE WIRED IN A FAIL-SAFE MANNER. A FAIL-SAFE CONDITION IS AN OPEN CIRCUIT WHEN IN AN ALARM STATE.

MATERIALS AND EQUIPMENT SHALL BE UL APPROVED WHENEVER SUCH APPROVED EQUIPMENT AND MATERIALS ARE AVAILABLE.

ETHICAL SURGE PROTECTION

SURGE PROTECTION SHALL BE PROVIDED TO PROTECT THE ELECTRONIC INSTRUMENTATION SYSTEM FROM INDUCED SURGES PROPAGATING ALONG THE SIGNAL AND POWER SUPPLY LINES FROM LIGHTNING OR THE UTILITY SYSTEM. THE PROTECTION SYSTEMS SHALL BE SUCH THAT THE PROTECTIVE LEVEL SHALL NOT INTERFERE WITH NORMAL OPERATION, BUT SHALL BE LOWER THAN THE INSTRUMENT SURGE WITHSTAND LEVEL. PROTECTION SHALL BE MAINTENANCE FREE AND SELF RESTORING. DEVICES SHALL HAVE A RESPONSE TIME OF LESS THAN 50 NANOSECONDS AND BE CAPABLE OF HANDLING A DISCHARGE SURGE CURRENT (AT AN 8X20MS IMPULSE WAVEFORM) OF AT LEAST 8 KA.

PROVIDE PROTECTION OF ALL 120 VAC POWER FEEDS INTO CONTROL PANELS AND INSTRUMENTS.

PROVIDE PROTECTION OF ALL ANALOG SIGNAL (4-20 MA) CIRCUITS WHERE ANY PART OF THE CIRCUIT IS OUTSIDE OF THE BUILDING ENVELOPE

PROVIDE PROTECTION OF ALL COMMUNICATION CABLES BETWEEN RADIOS AND ANTENNAS. MOUNT THIS PROTECTION EITHER INSIDE THE PANEL OR IN THE ALL OF THE ENCLOSURE IN ACCORDANCE WITH NEMA AND UL STANDARDS. INSTALL SURGE PROTECTIVE DEVICES AT EACH END OF ALL ANTENNA CABLE PROVIDED.

GROUND WIRES FOR ALL INSTRUMENTATION DEVICE SURGE PROTECTORS SHALL BE CONNECTED TO A LOW RESISTANCE GROUND.

PROVIDE COAXIAL GROUNDING KIT FOR EACH RADIO.

PROVIDE GROUNDING KITS, TWO FOR EACH ANTENNAE INSTALLATION (TOP AND BOTTOM).

FURNISH AND INSTALL GROUND ROD AND GROUND WIRE AS SHOWN ON DRAWING.

ANTENNA AND MASTS

ANTENNA AND MAST SHALL BE PROVIDED, INSTALLED, AND CONFIGURED FOR RADIO TELEMETRY. ANTENNA SHALL BE YAGI-DIRECTIONAL. ANTENNA FREQUENCY RANGE SHALL INCLUDE 450-462 MHZ. THE ANTENNAS SHALL BE FABRICATED OF 6061/T6 ALUMINUM ROD AND SEAMLESS DRAWN PIPE, ANODIZED FOR MAXIMUM RELIABILITY AND CORROSION RESISTANCE. THE HARDWARE AND FASTENINGS SHALL BE STAINLESS STEEL. RATED WIND VELOCITY SHALL BE 150 MPH (NOMINAL); 180 MPH (MAX). THE ANTENNA MAST SHALL BE SELF-SUPPORTING.

ANTENNA CABLE ASSEMBLY

ANTENNA CABLE ASSEMBLIES SHALL BE PROVIDED AND INSTALLED BETWEEN THE ANTENNA AND THE RADIO. CABLE LENGTHS WILL BE DETERMINED BY COORDINATING WITH THE OWNER AS TO THE ANTENNA, MAST, AND TOWER LOCATIONS AND THE LOCATION OF THE ENCLOSURES IN WHICH THE RADIO IS INSTALLED.

EACH ANTENNA CABLE ASSEMBLY SHALL CONSIST OF FOAM-INSULATED COAXIAL CABLE, CONNECTORS, GROUNDING KIT, SURGE PROTECTOR, JUMPER CABLES, AND TOWER CLAMPS AS REQUIRED FOR A COMPLETE OPERATIONAL COMMUNICATIONS LINK.

CABLE ASSEMBLIES SHALL BE PROVIDED AND INSTALLED, COMPLETE WITH CABLE CONNECTOR AND FASTENING HARDWARE FOR ALL ANTENNAS.

CABLE SIZE

1. LESS THEN 100 FT. (30M) IN LENGTH 1/2 INCH (13MM) DIAMETER MINIMUM
2. 100 FT. TO 200 FT. (30M TO 60M) IN LENGTH: 7/8 INCH (22MM) DIAMETER MINIMUM
3. GREATER THEN 200 FT. (60M) IN LENGTH 1-5/8 INCH (41MM) DIAMETER MINIMUM

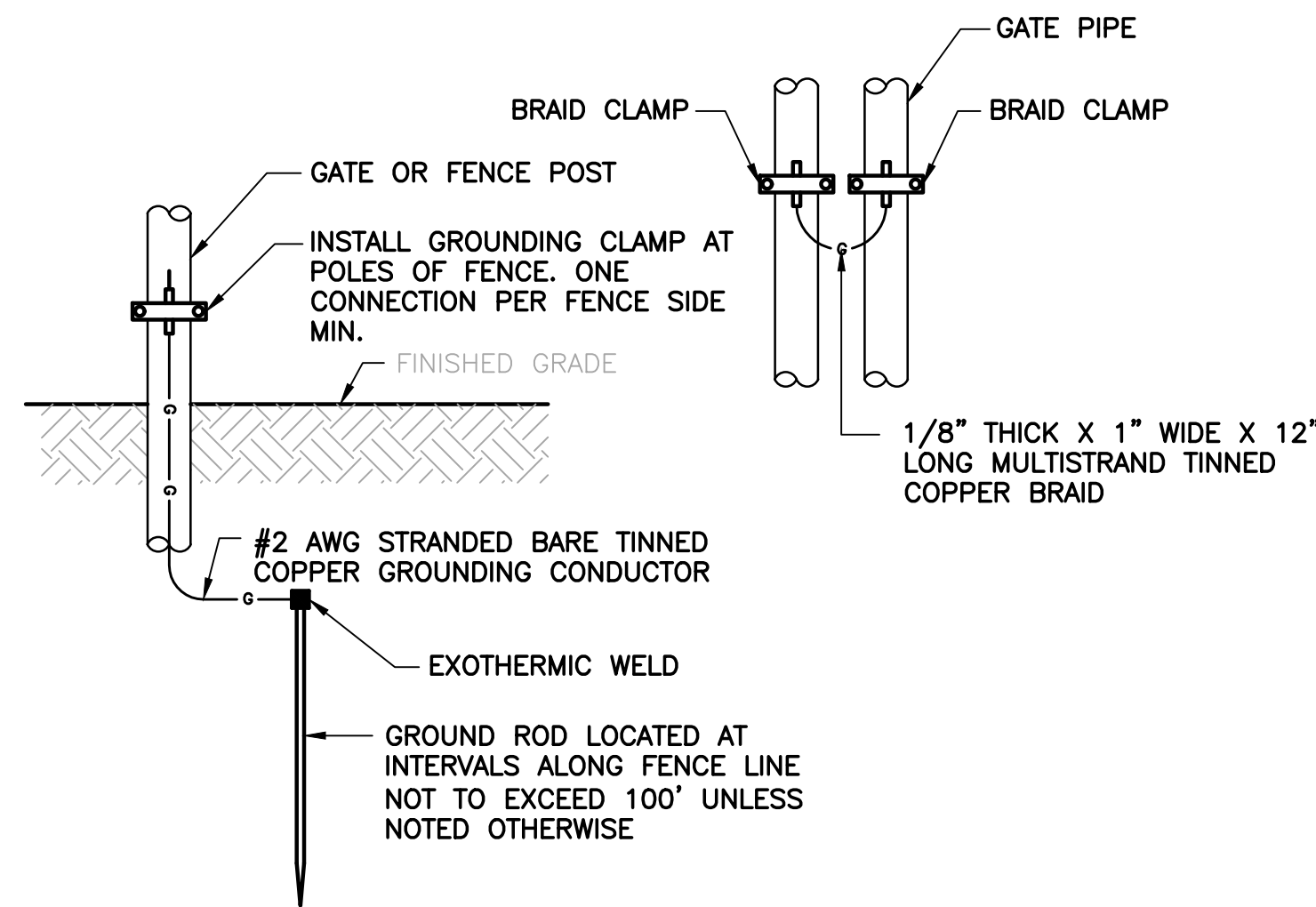
CABLE INSTALLATION

THE CABLE SHALL BE GROUNDED AT THREE LOCATIONS:

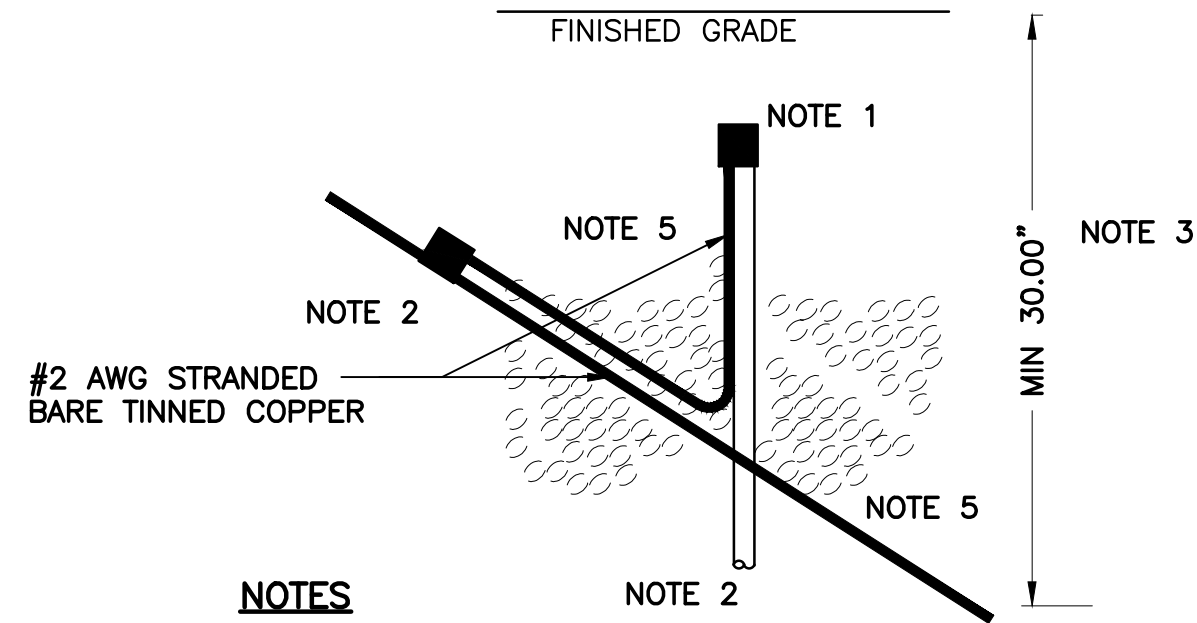
1. AT THE ANTENNA LOCATION (GROUND TO TOWER).
2. AT THE POINT THE CABLE LEAVES THE TOWER (GROUND TO TOWER).
3. AT THE RADIO EQUIPMENT LOCATION (GROUND TO THE EXISTING SYSTEM GROUND).
4. FURNISH A SINGLE CONTINUOUS PIECE OF COAXIAL CABLE FOR THE MAIN RUNS OF THE CABLE; SPLICING IN NOT ACCEPTABLE.
5. WEATHERPROOF ALL ANTENNA CABLE CONNECTIONS USING BUTYL RUBBER TAPE.

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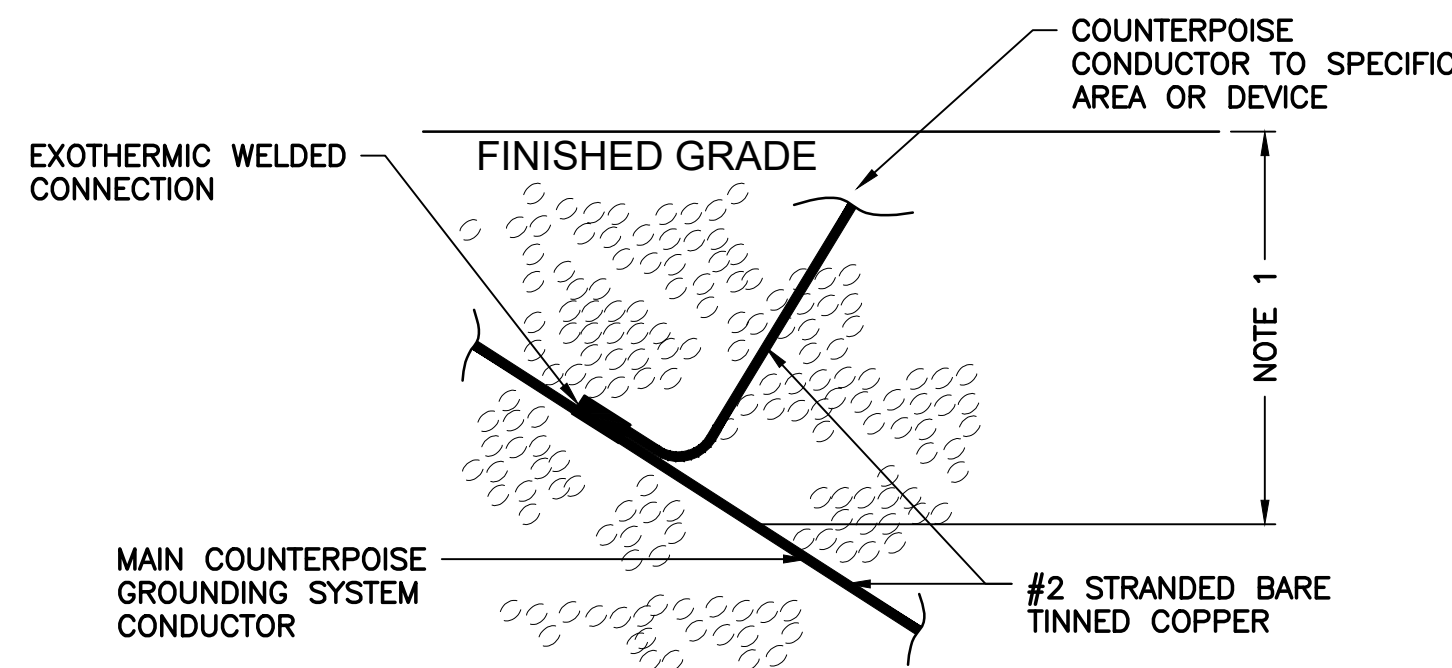
1
TYP. TYPICAL GATE/FENCE POST
GROUNDING DETAIL
NOT TO SCALE



NOTES

- GROUND ROD TO COUNTERPOISE CONDUCTOR SHALL BE CONNECTED BY MEANS OF AN EXOTHERMIC WELD. GROUND ROD SHALL BE 5/8 INCH IN DIAMETER AND 20 FOOT LENGTH MINIMUM.
- COUNTERPOISE CONDUCTOR TO CONDUCTOR CONNECTION SHALL BE CONNECTED BY MEANS OF EXOTHERMIC WELD AND THE CONDUCTOR FROM COUNTERPOISE LENGTH TO GROUND ROD SHALL HAVE A MINIMUM OF 36 INCHES.
- UNDERGROUND INSTALLATION OF COUNTERPOISE SYSTEM SHALL BE BURIED AT A MINIMUM DEPTH OF 30 INCHES.
- ALL COMPONENTS USED IN INSTALLATION WITHIN SHALL COMPLY WITH SPECIFICATION 26 05 26.
- #2 AWG STRANDED BARE TINNED COPPER CONDUCTOR

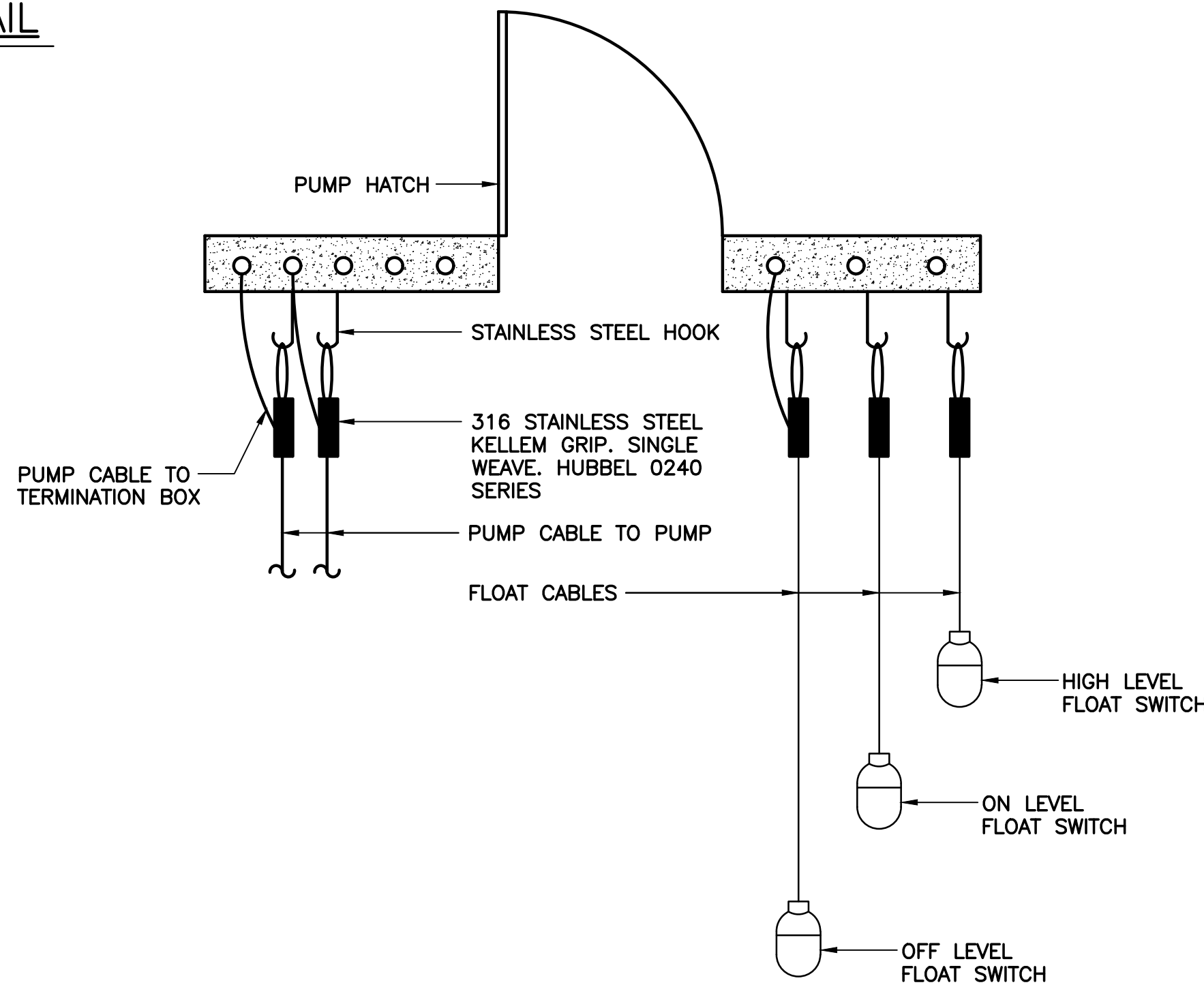
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TYP. COUNTERPOISE GROUND
ROD CONNECTION DETAIL
N.T.S.



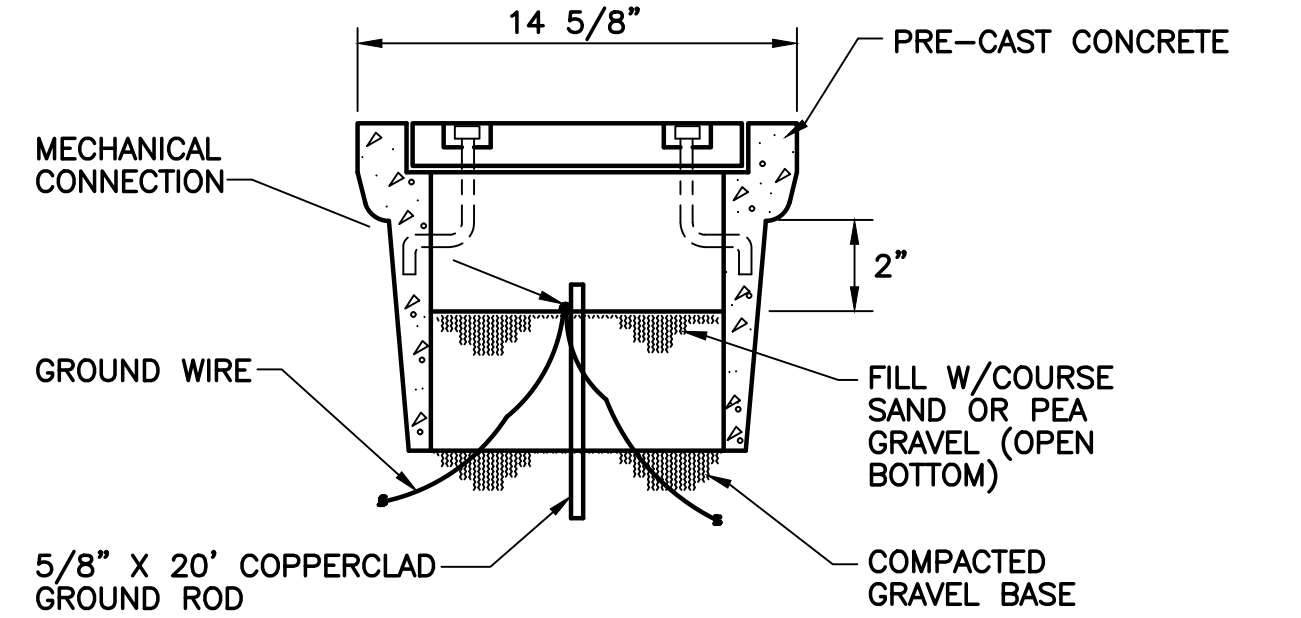
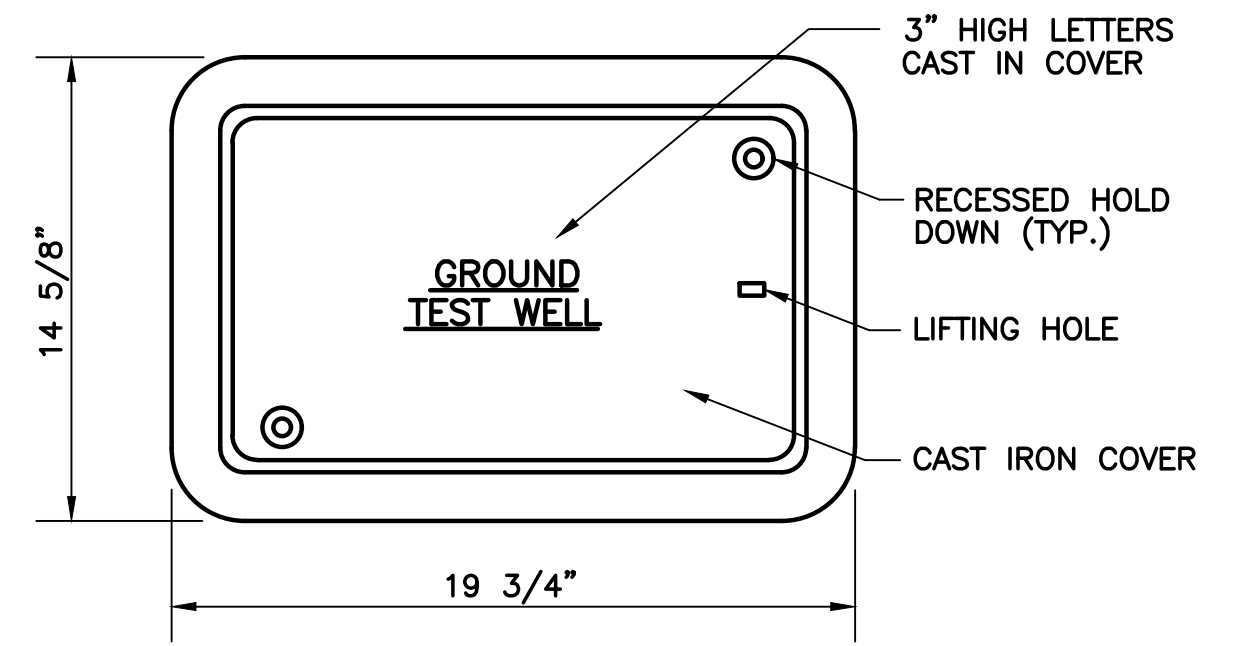
NOTES

- UNDERGROUND INSTALLATION OF COUNTERPOISE SYSTEM SHALL BE BURIED AT A MINIMUM DEPTH OF 30 INCHES.
- ALL COMPONENTS USED IN INSTALLATION WITHIN SHALL COMPLY WITH SPECIFICATION 26 05 26.

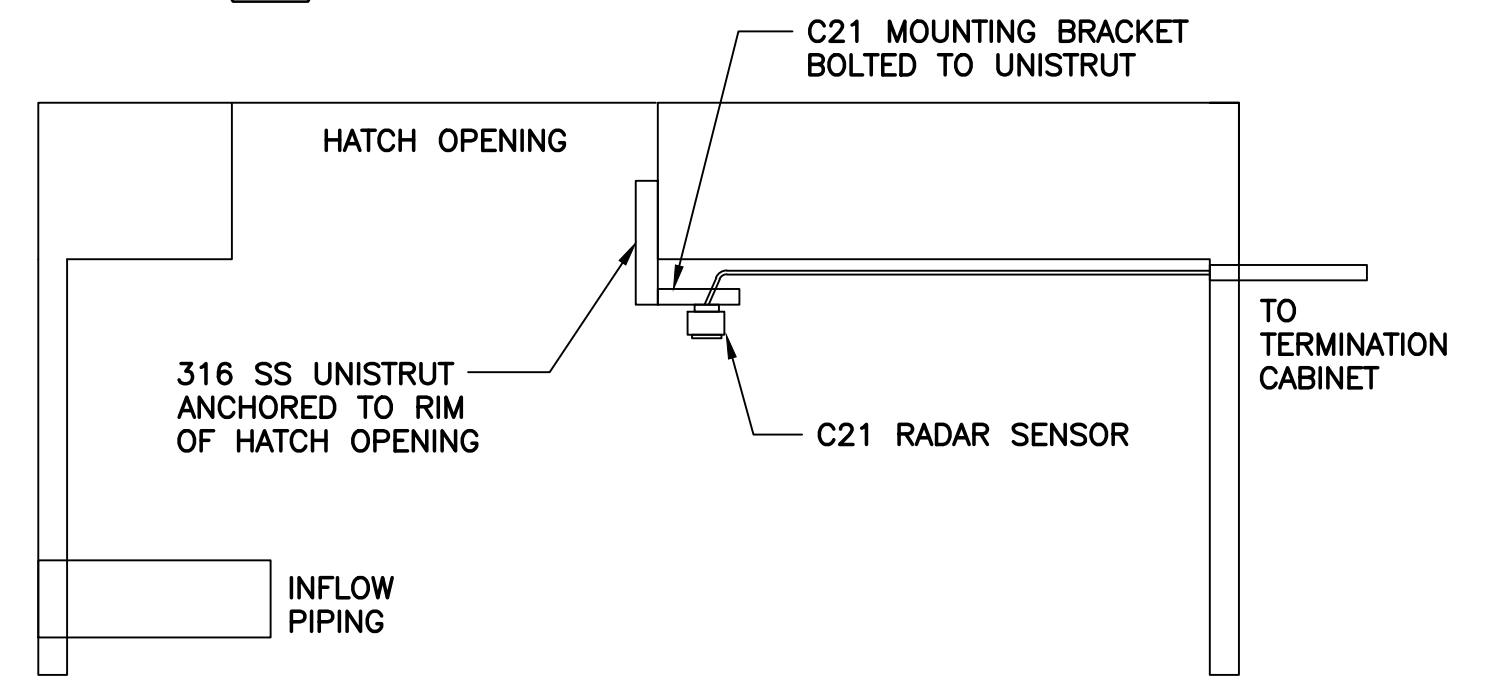
3
TYP. COUNTERPOISE CONDUCTOR
CONNECTION DETAIL
N.T.S.



6
TYP. PUMP CABLE MOUNTING DETAIL
N.T.S.



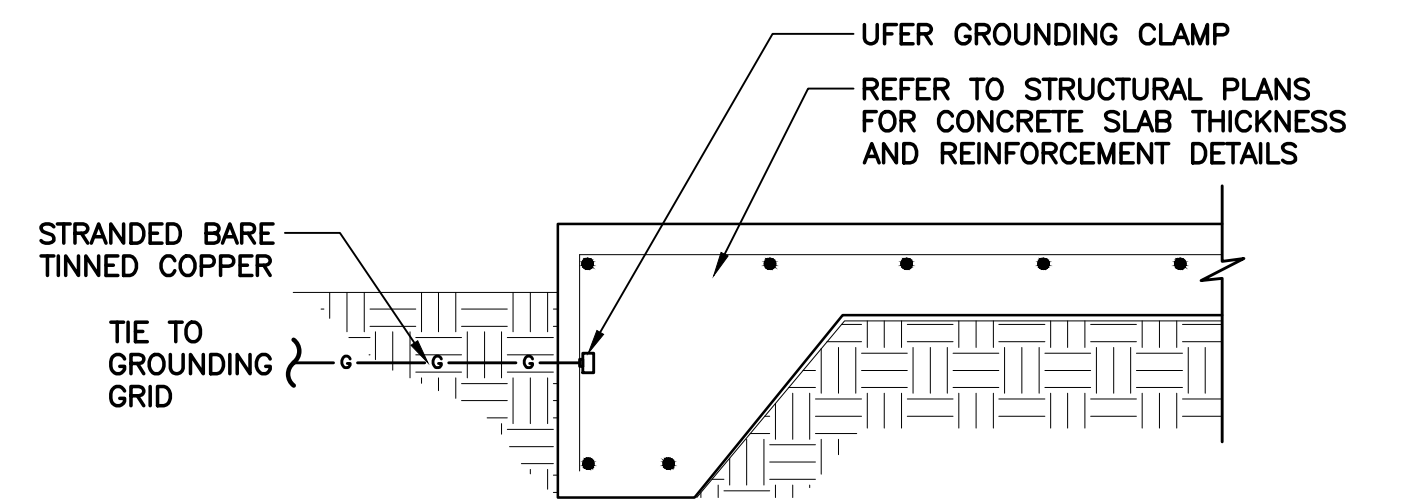
4
TYP. GROUND TEST WELL
N.T.S.



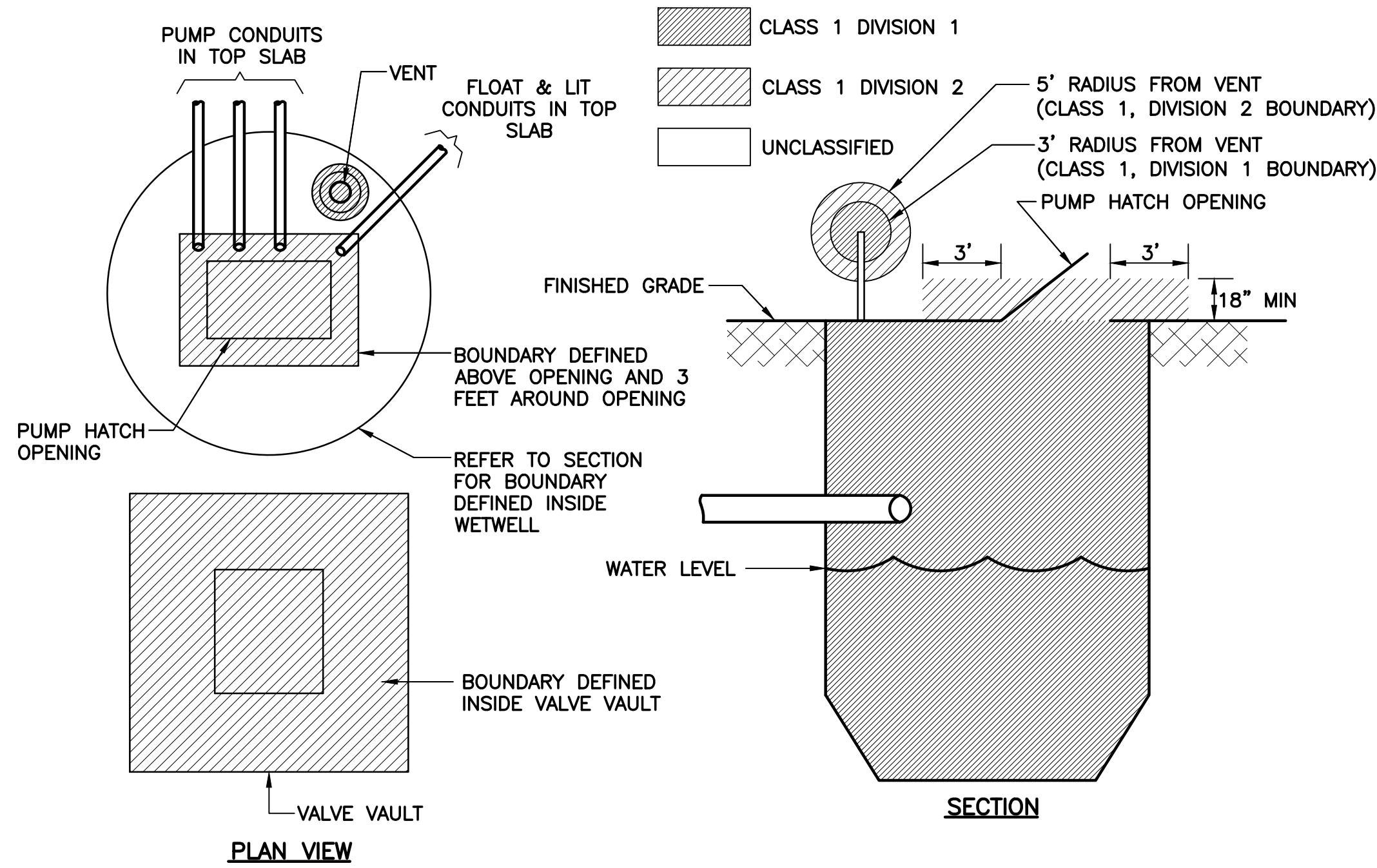
NOTES:

- THE C21 RADAR SENSOR SHALL BE MOUNTED PER MANUFACTURER'S REQUIREMENTS, IN AN AREA FREE FROM OBSTRUCTION AND AWAY FROM THE INFLOW PIPING

7
TYP. VEGAPULS C21 MOUNTING DETAIL
N.T.S.



8
TYP. CONCRETE SLAB GROUNDING DETAIL
N.T.S.



5
TYP. BOUNDARY CLASSIFICATION
N.T.S.

BID SET

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KHA PROJECT
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LIFT STATION 6
REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH

CITY OF COCOA BEACH

FLORIDA

LICENSED PROFESSIONAL

STEPHEN E. BAILEY

42461

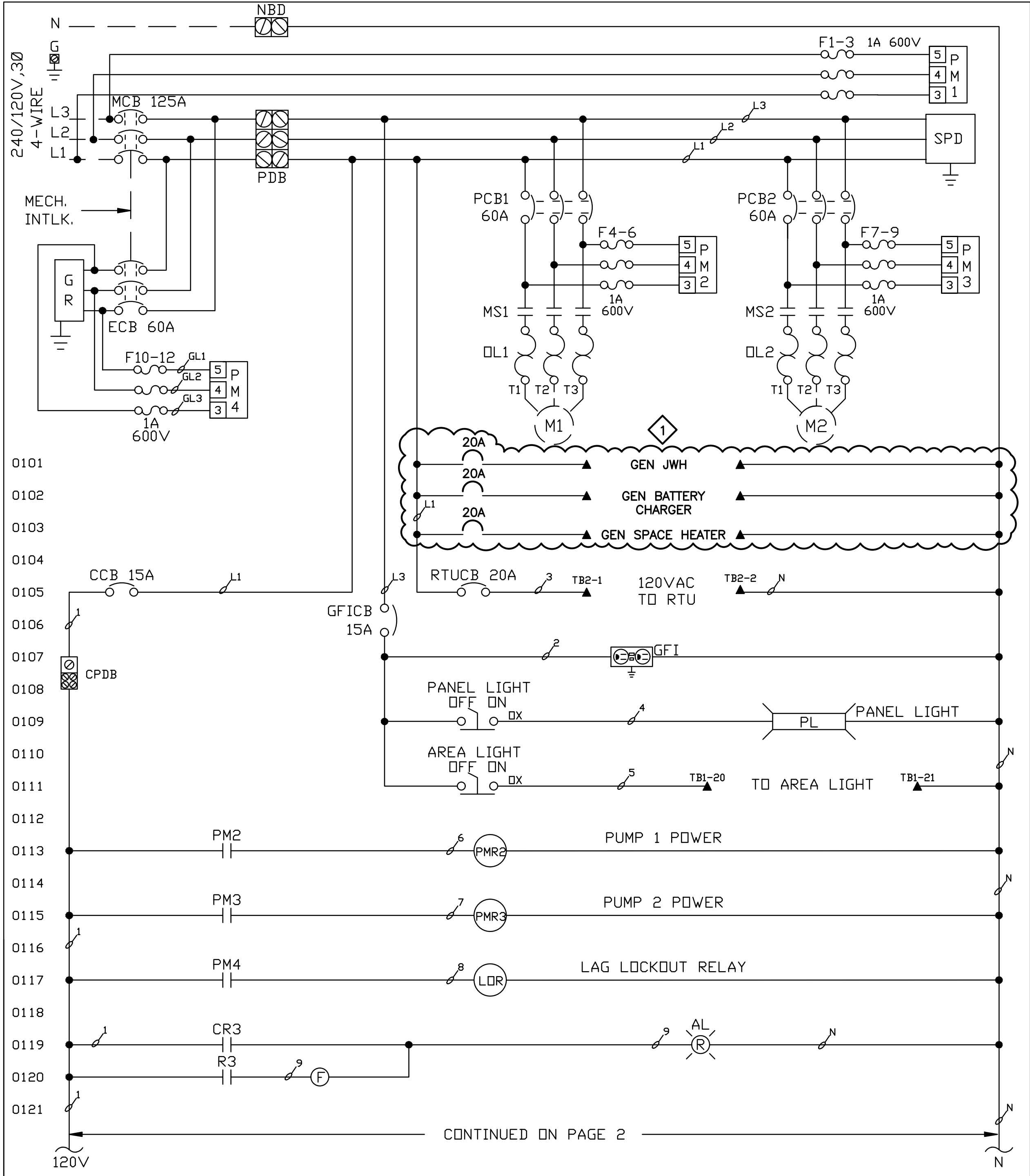
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ELECTRICAL DETAILS - 2

SHEET NUMBER

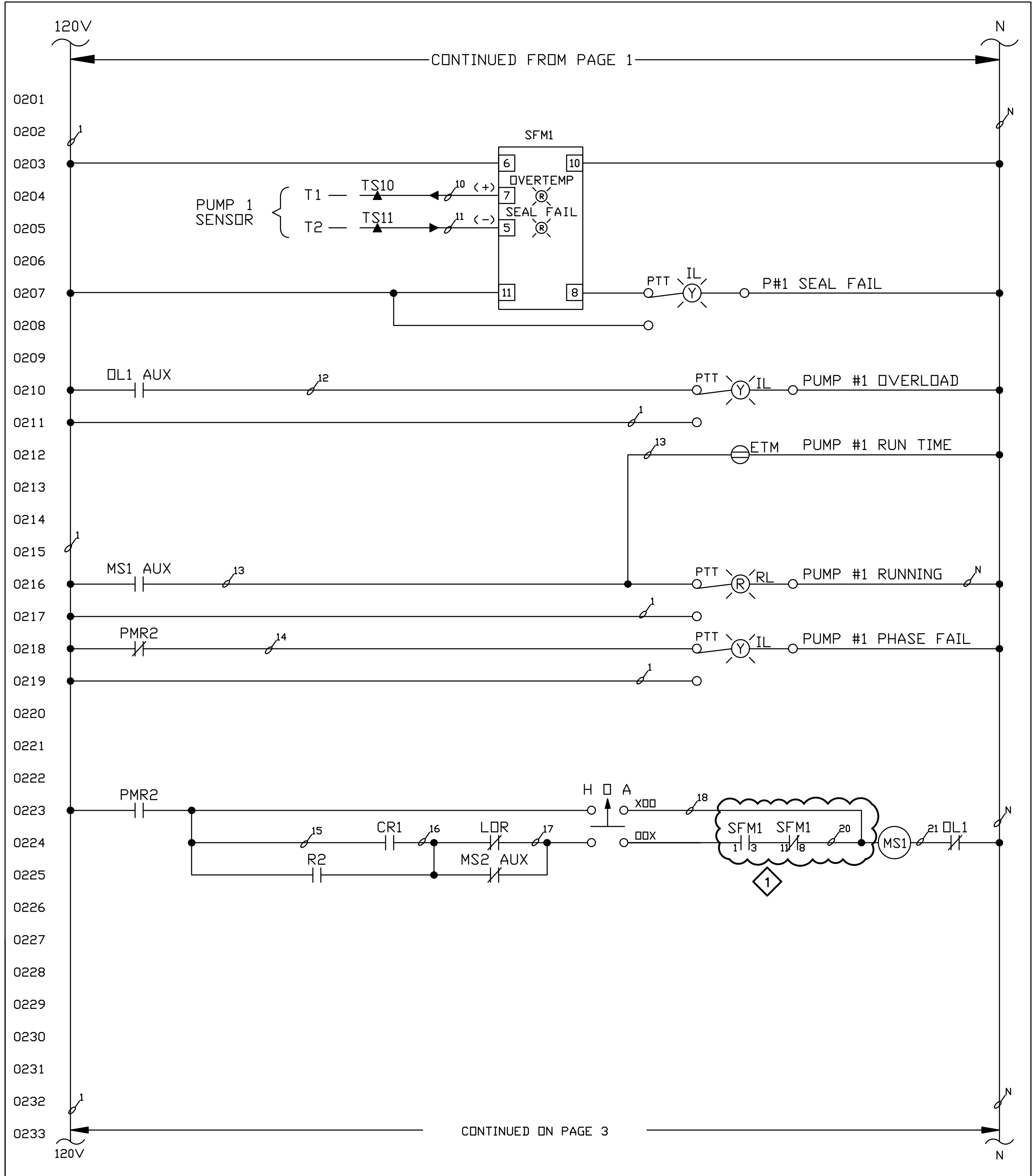
E-7

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				CUSTOMER: TBD		
-	-	-	DRAWN BY: LNA	PUMP: FLYGT	ELECTRICAL: 240/120V,3Ø/15HP/40 FLA	
				SCALE NTS	JOB #: TBD	DWG. #: CCB-PCP
REV.	REVISION DESCRIPTION	DATE	SCALE NTS	JOB #: TBD	DWG. #: CCB-PCP	PAGE 1 OF 8

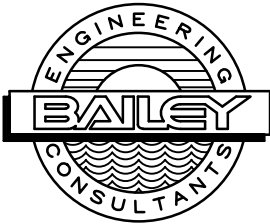
1 BEC DESIGN REVISION



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				CUSTOMER: TBD		
-	-	-	DRAWN BY: LNA	PUMP: FLYGT	ELECTRICAL: 240/120V,3Ø/15HP/40 FLA	
				SCALE NTS	JOB #: TBD	DWG. #: CCB-PCP
REV.	REVISION DESCRIPTION	DATE	SCALE NTS	JOB #: TBD	DWG. #: CCB-PCP	PAGE 2 OF 8

BID SET

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KHA PROJECT 147965003
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY JPL
DRAWN BY TJM
CHECKED BY SEB

LIFT STATION 6
REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH
FLORIDA

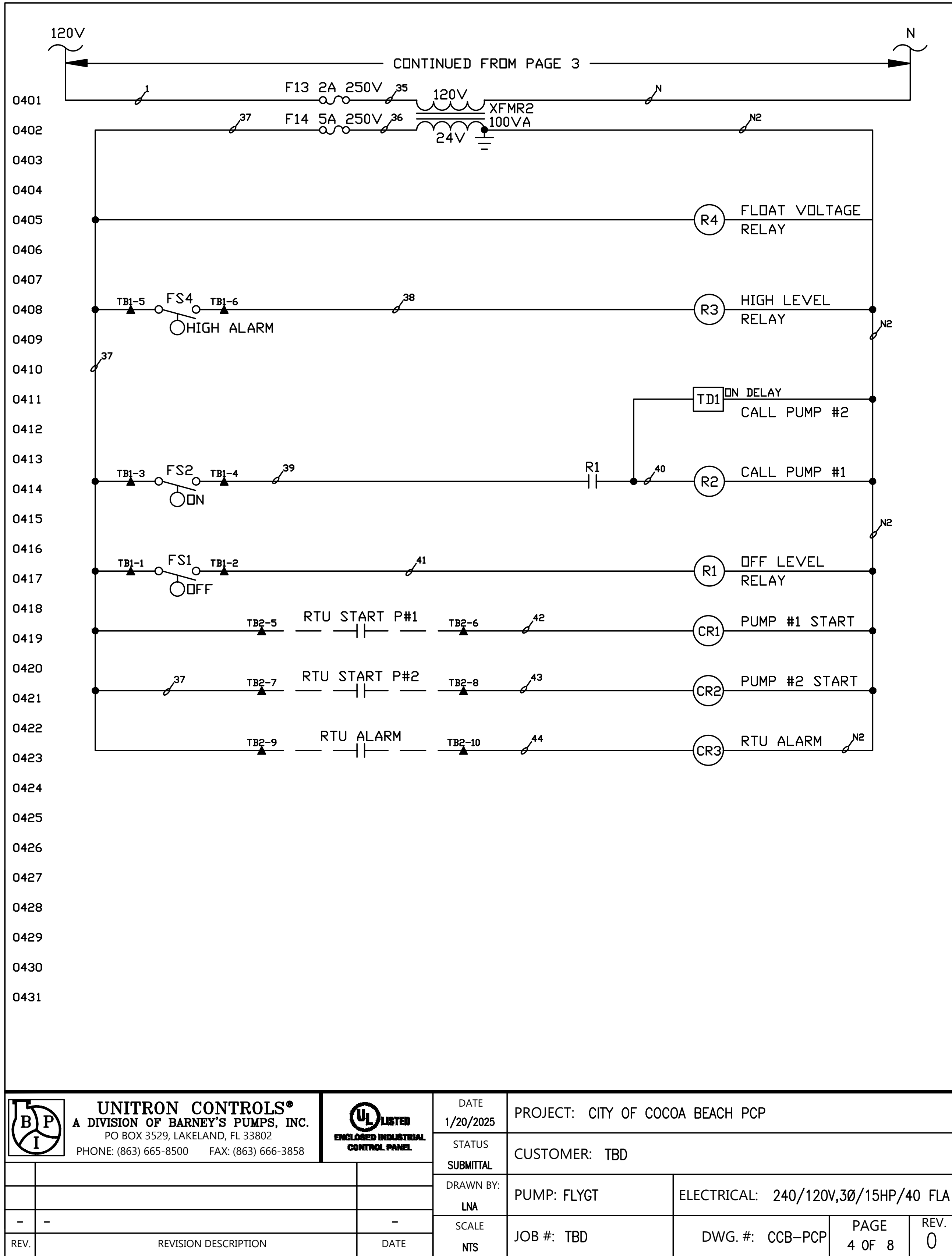
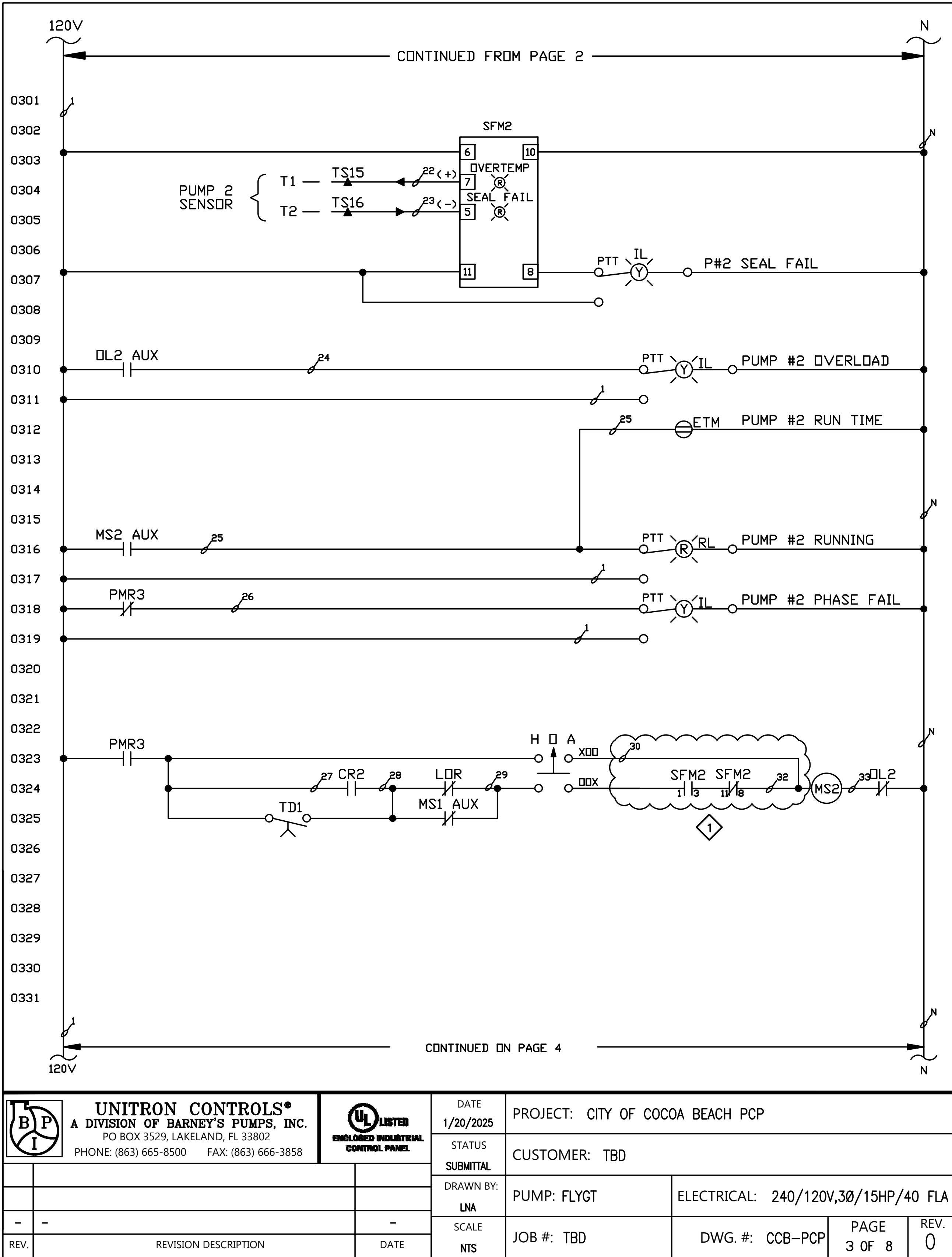
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42461
DATE:

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SHEET NUMBER
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KHA PROJECT
147965003

DATE
MAY 2025

SCALE AS SHOWN

DESIGNED BY
JPL

DRAWN BY
TJM

CHECKED BY
SEB

LIFT STATION 6
REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH
FLORIDA

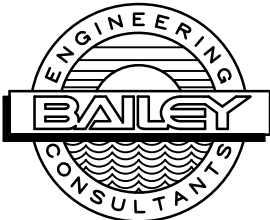
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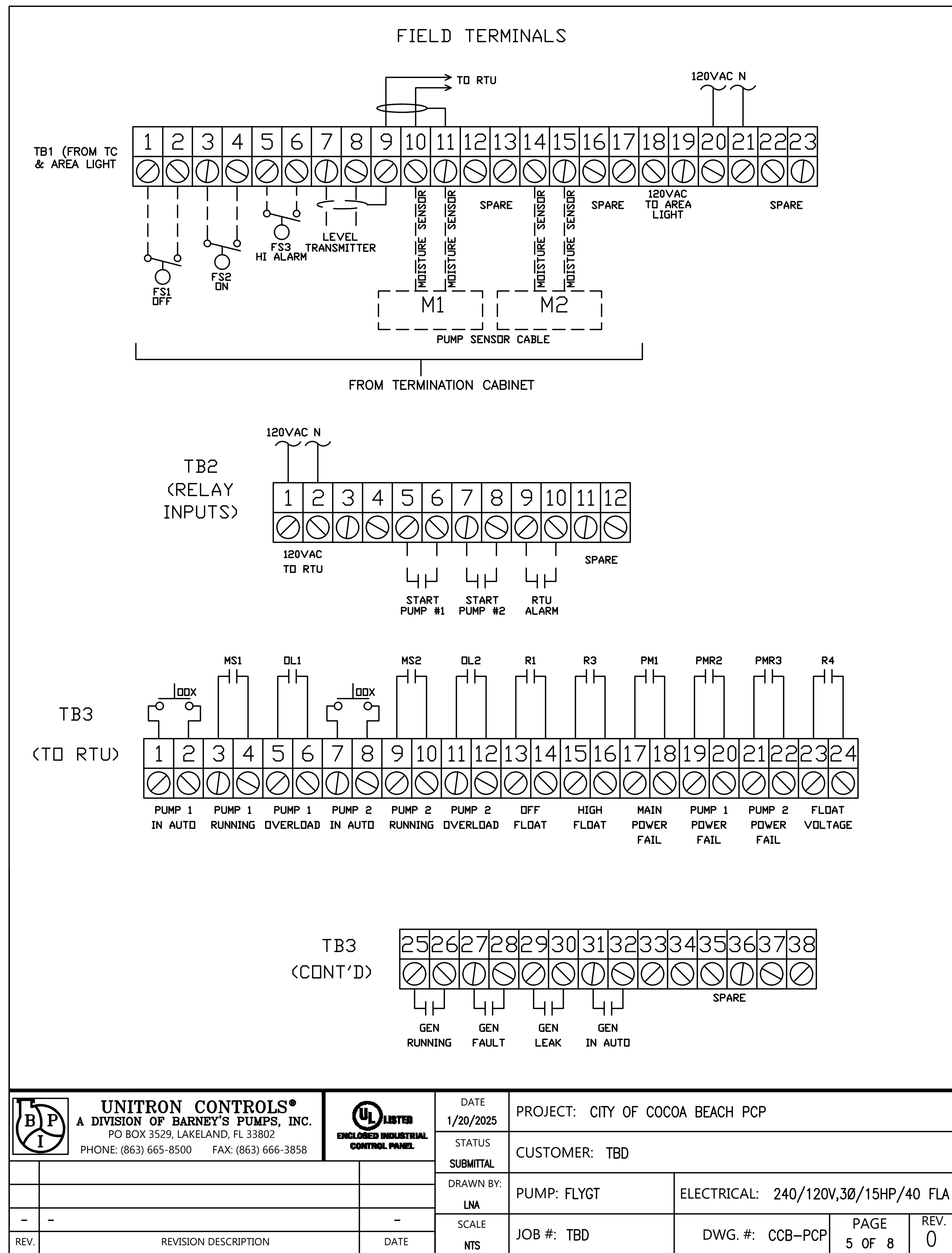
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C.O.A. NO. 6783
Stephen E. Bailey, P.E.
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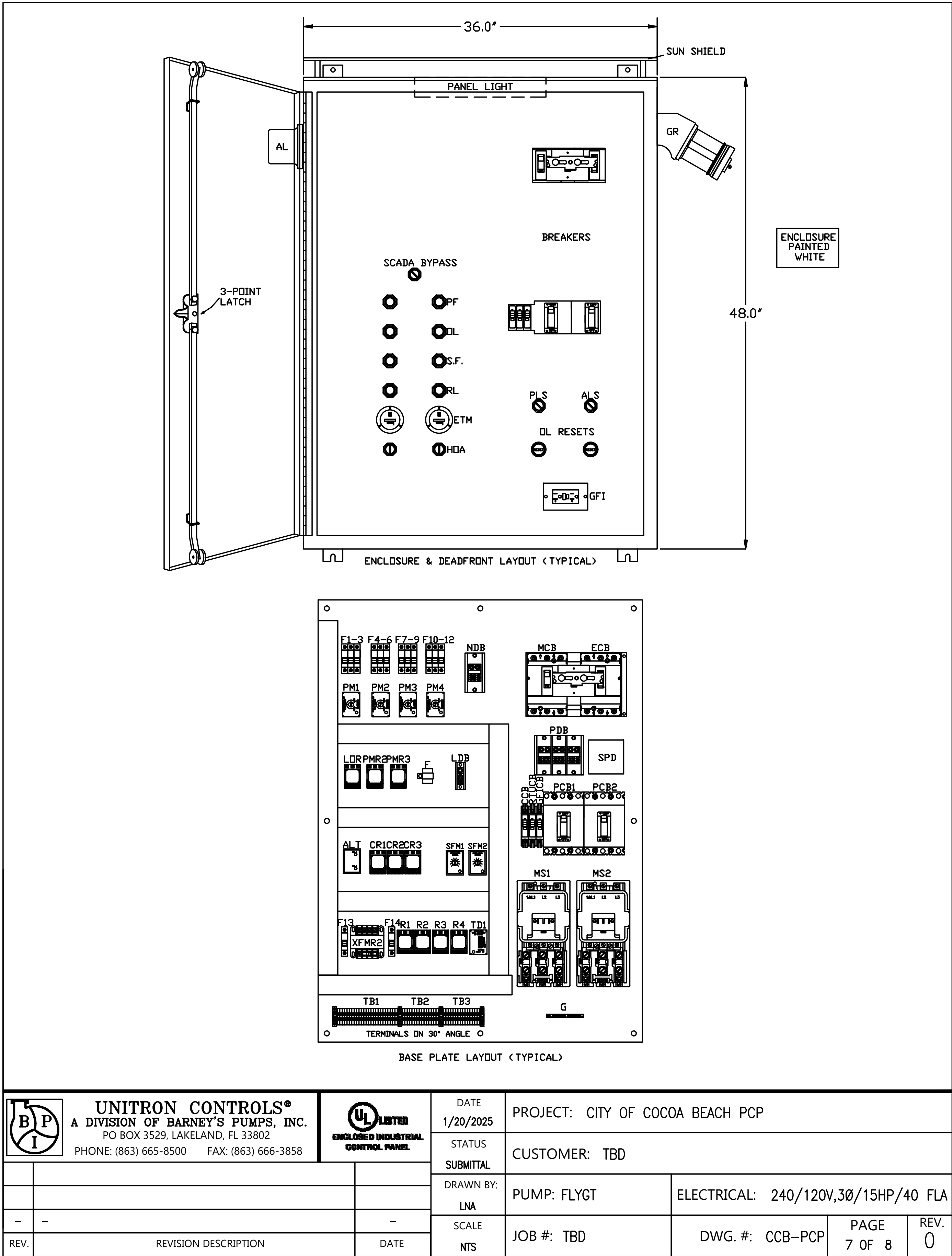


BILL OF MATERIALS (BOM)			
QTY.	ABBR.	DESCRIPTION	MANUFACTURER, PART#
1	ENC	ENCLOSURE, NEMA 4X, 316SS W/SUN SHIELD	SCHAEFERS, SPN4SS6-483612-152
1	MCB	MAIN CIRCUIT BREAKER	SQ.D, HGL36125
1	ECB	EMERGENCY CIRCUIT BREAKER	SQ.D, HGL36060
2	PCB1-2	PUMP CIRCUIT BREAKER	SQ.D, HGL36060
1	CCB	CONTROL CIRCUIT BREAKER	SQ.D, QDU115
1	RTUCB	RTU CIRCUIT BREAKER	SQ.D, QDU120
1	GFICB	GFI CIRCUIT BREAKER	SQ.D, QDU115
3	LDR, PMR2-3	CONTROL RELAY, 3PDT, 11 PIN, 120VAC COIL	SQ.D, 750XCXRM4L-120A
2	MS1-2	MOTOR STARTER, NEMA SIZE 3	SQ.D, 8536-SED1-V02
6	OL	OVERLOAD HEATER	SQ.D, CC-64.3
1	GR	GENERATOR RECEPTACLE, 60A	RUSSELL STOLL, 3324-78
1	SPD	SURGE PROTECTOR	SQ.D, 6671-SDSA3650
12	F1-12	FUSE, 600V 1A	FERRAZ, ATQR-1
4	PM1-4	PHASE MONITOR	TIME MARK, MODEL-257B
1	GFI	GFI RECEPTACLE, 15A	HUBBELL, SNAPGFI15I
2	PLS/ALS	PANEL & AREA LIGHT SWITCH	SQ.D, 9001-SKS11BH5
1	PL	PANEL MAINTENANCE LIGHT, LED	HOFFMAN, CEL550
1	AL	ALARM LIGHT	AC/DC, R40-XLS-25
1	F	FLASHER	INGRAM, FL-120V
2	SFM1-2	SEAL FAILURE MODULE	MPE, PMR2
6	IL	INDICATING LIGHT, YELLOW LED, PTT, 120V	SQ.D, 9001-SKT38LY
2	ETM	ELAPSED TIME METER	ENM, T50B2
2	RL	RUN LIGHT, RED LED, PTT, 120V	SQ.D, 9001-SKT38LR
2	HDA	HAND-OFF-AUTO SWITCHES	SQ.D, 9001-SKS43BH13
1	F13	FUSE, 250V 2A	FERRAZ, TRM-2
1	XFMR2	TRANSFORMER, 120/24VAC 100VA	SQ.D, 9070-T100-D13
1	F14	FUSE, 250V 5A	FERRAZ, TRM-5
7	R1-4,CR1-3	CONTROL RELAY, DPDT, 8 PIN, 24VAC COIL	SQ.D, 750XBXRM4L-24A
1	TD1	TIME DELAY RELAY, ON DELAY	DIVERSIFIED, TBC-24-ABA
69	TB1,2,4	TERMINALS	PHOENIX, UT4

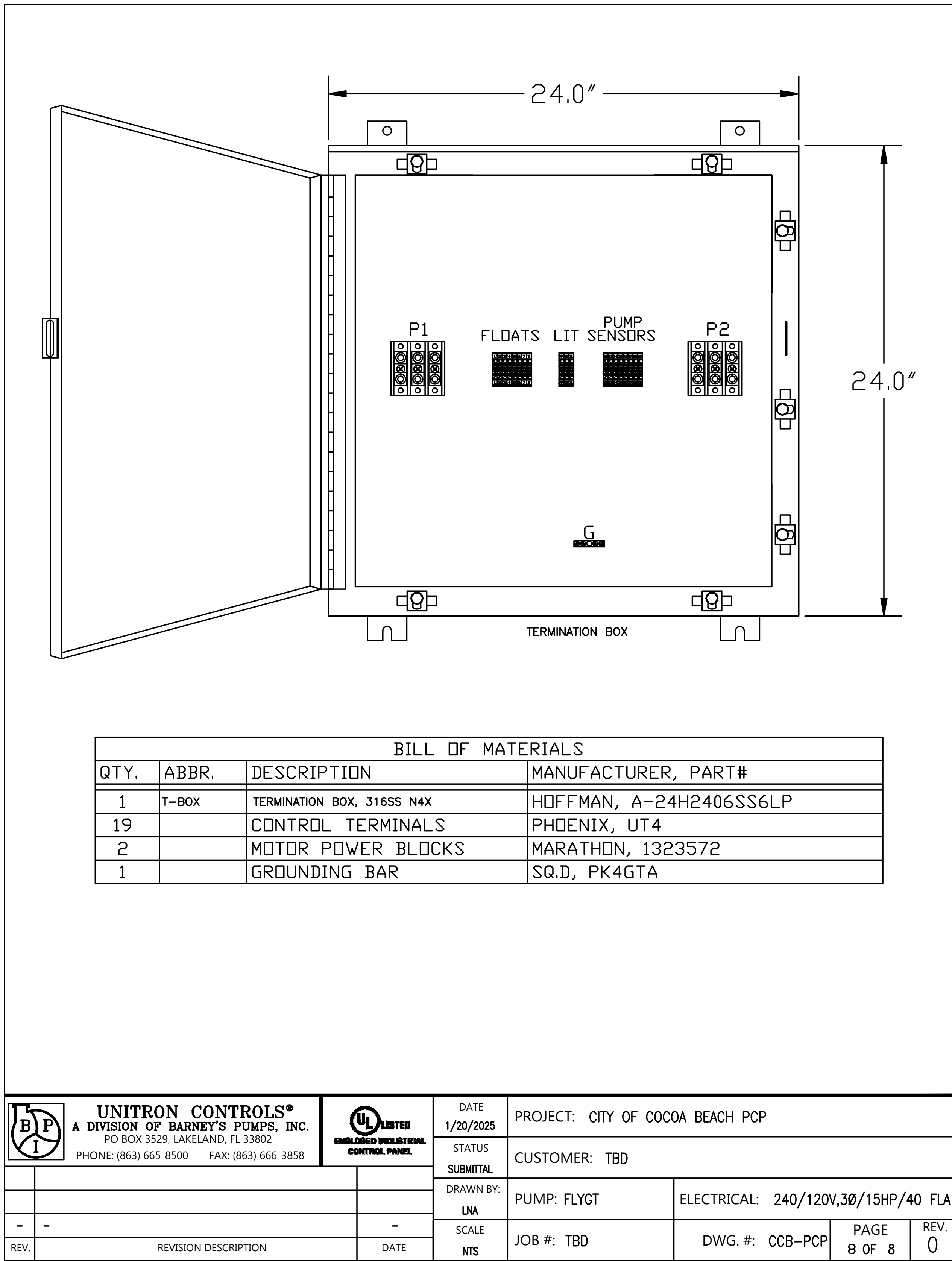
 UNITRON CONTROLS® A DIVISION OF BARNEY'S PUMPS, INC. PO BOX 3529, LAKELAND, FL 33802 PHONE: (863) 665-8500 FAX: (863) 666-3858		 ENCLOSED INDUSTRIAL CONTROL PANEL		DATE 1/20/2025		PROJECT: CITY OF COCOA BEACH PCP			
				STATUS SUBMITTAL		CUSTOMER: TBD			
				DRAWN BY: LNA		PUMP: FLYGT		ELECTRICAL: 240/120V, 3Ø/15HP/40 FLA	
- -		-		SCALE NTS		JOB #: TBD		DWG. #: CCB-PCP	
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-	-			SCALE NTS	JOB #: TBD	DWG. #: CCB-PCP	PAGE 7 OF 8	REV. 0
REV.	REVISION DESCRIPTION			DATE				

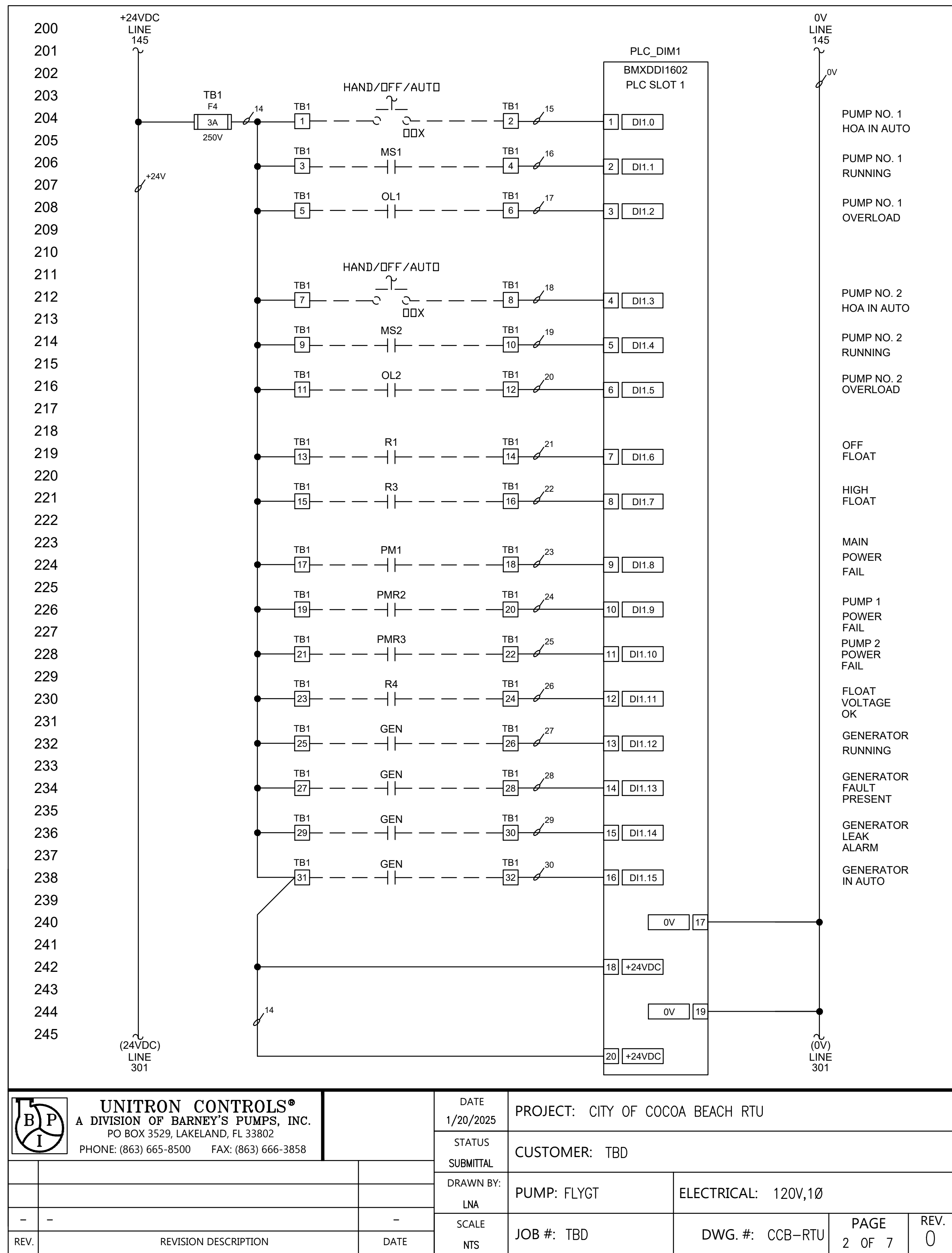


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DATE:

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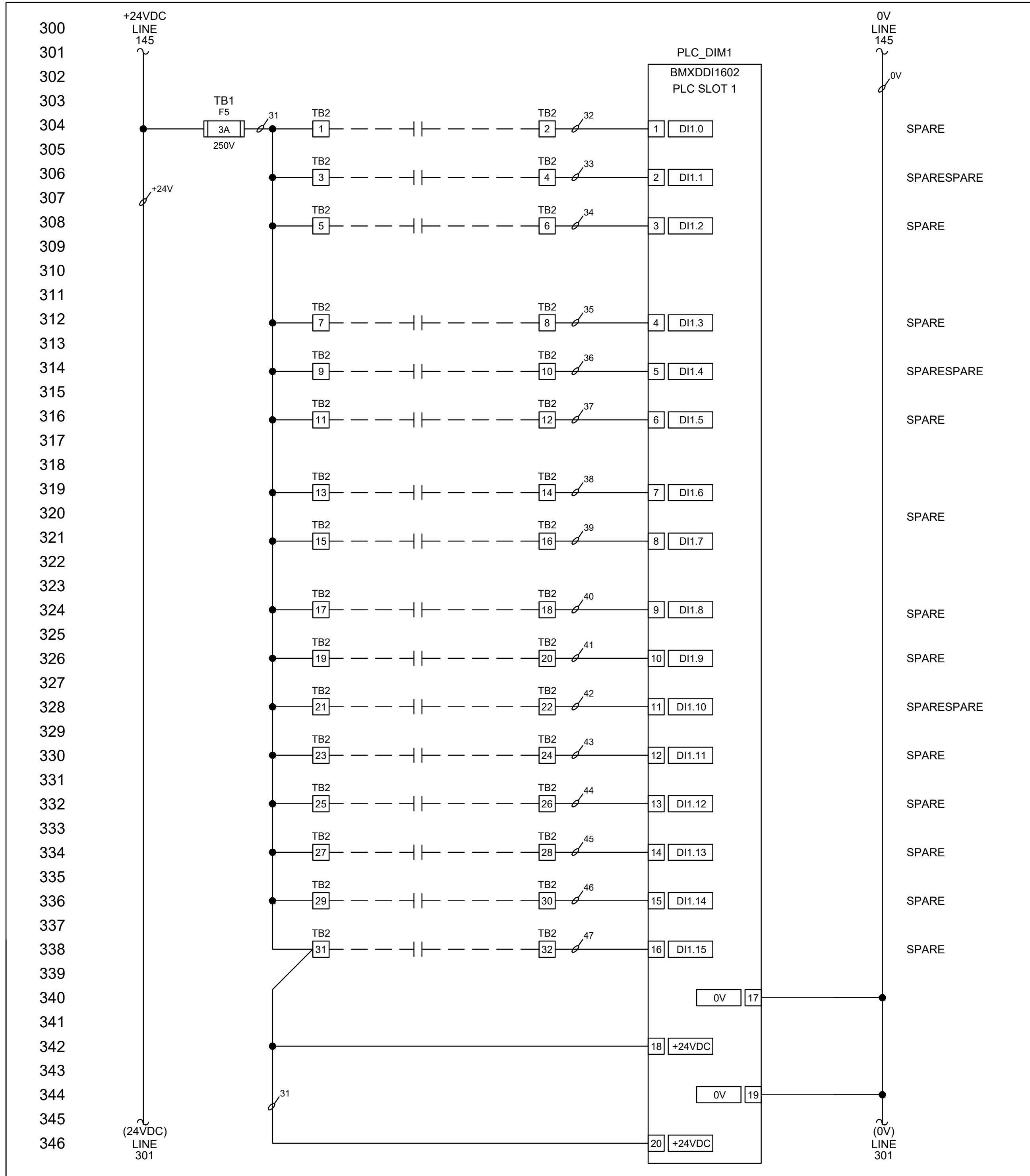
KHA PROJECT 147965003	
DATE MAY 2025	
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DESIGNED BY	JP
DRAWN BY	TJ
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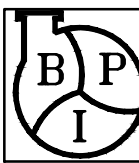
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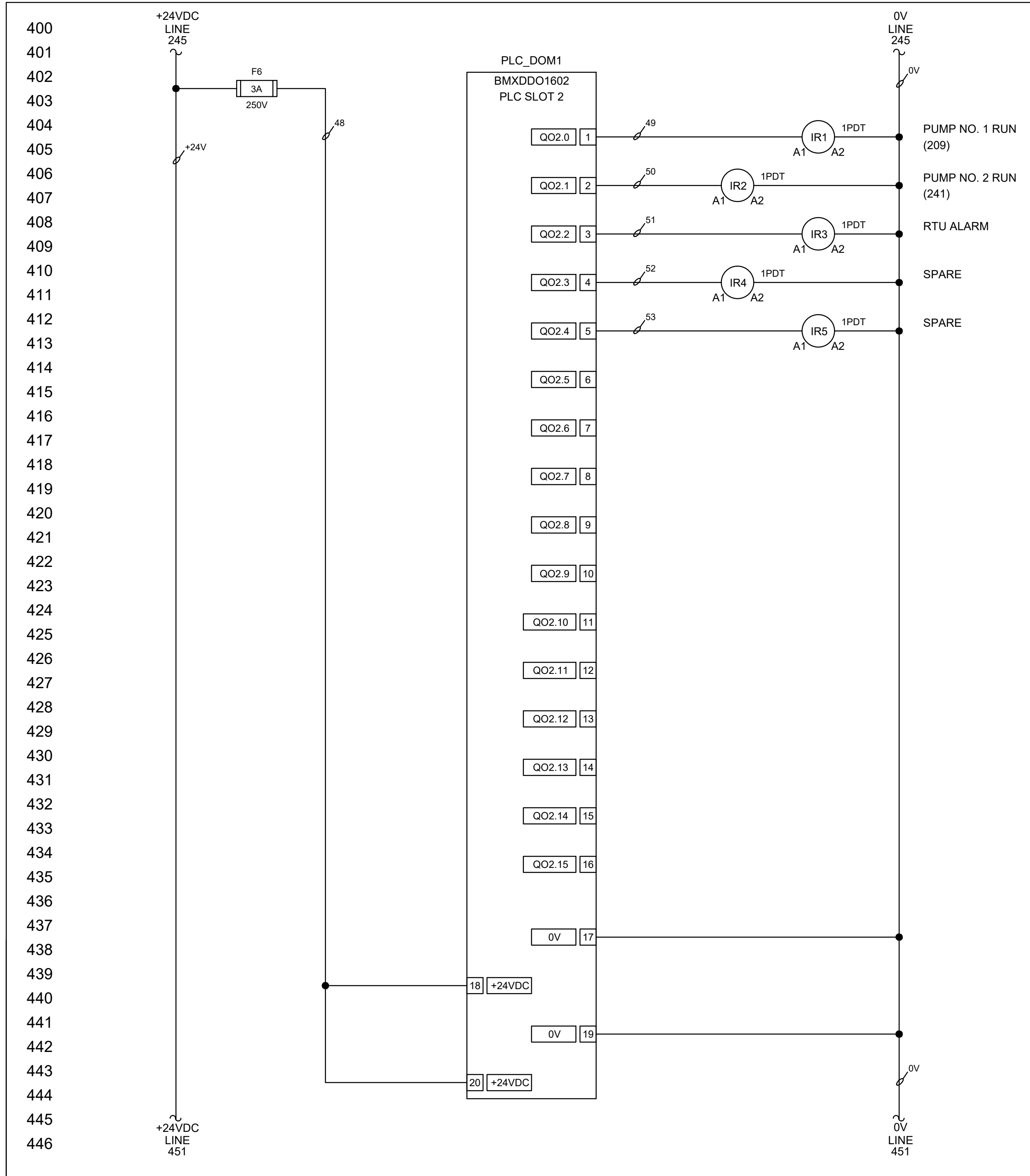
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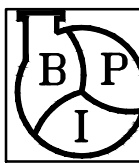
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		STATUS SUBMITTAL	CUSTOMER: TBD		
		DRAWN BY: LNA	PUMP: FLYGT	ELECTRICAL: 120V,1Ø	
-	-	SCALE NTS	JOB #: TBD	DWG. #: CCB-RTU	PAGE 3 OF 7
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-	-	SCALE NTS	JOB #: TBD	DWG. #: CCB-RTU	PAGE 4 OF 7
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KHA PROJECT
147965003

DATE
MAY 2025

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DESIGNED BY JPL

DRAWN BY TJM

CHECKED BY SEB

LIFT STATION 6
REHABILITATION

PREPARED FOR
CITY OF COCOA BEACH

CITY OF COCOA BEACH FLORIDA

LICENSED PROFESSIONAL

STEPHEN E. BAILEY

42461

DATE:

BID SET

RTU DIAGRAM-2

SHEET NUMBER

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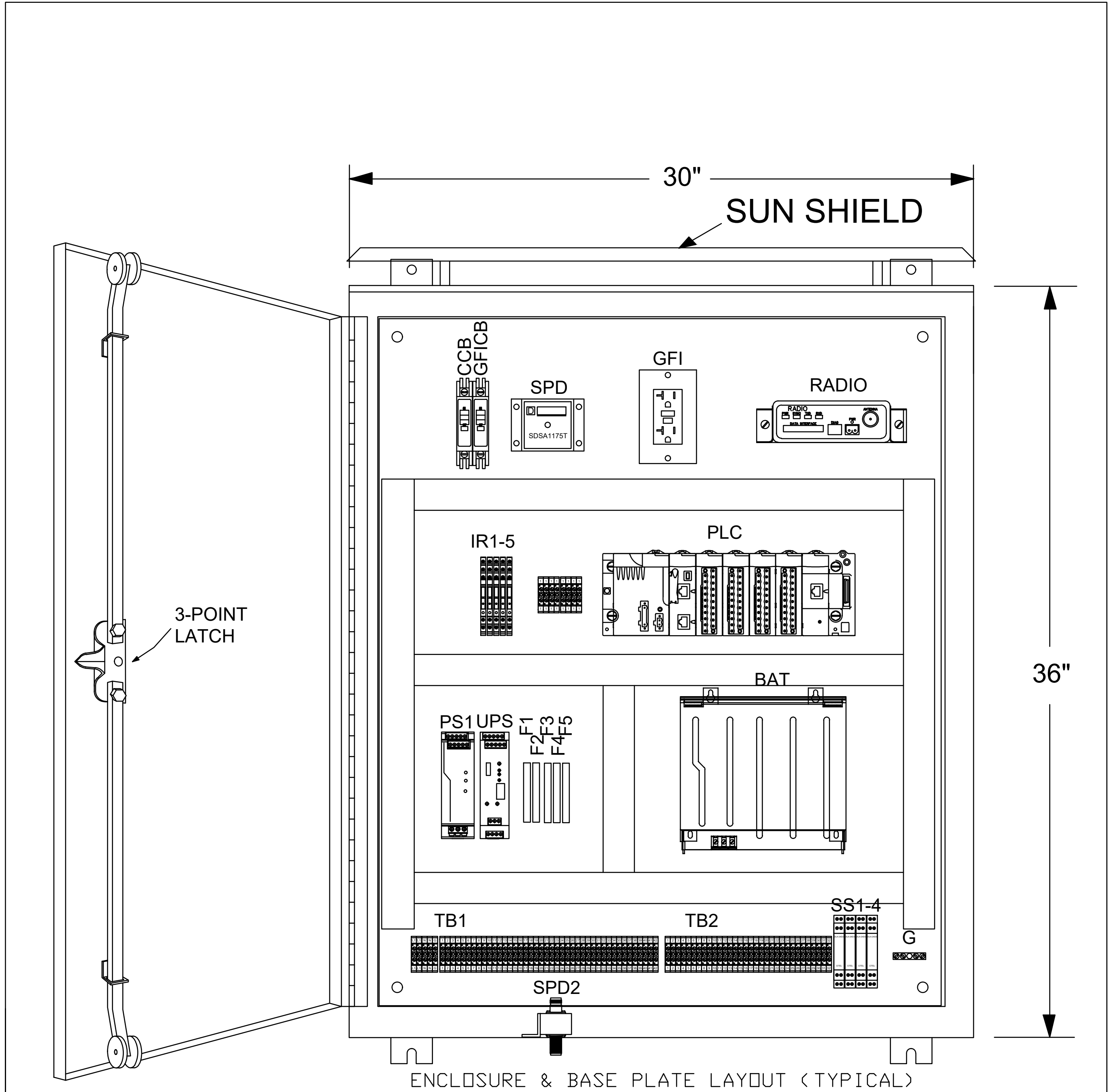


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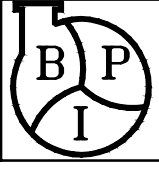


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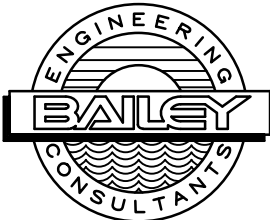


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KHA PROJECT
147965003

DATE
MAY 2025

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DESIGNED BY JPL

DRAWN BY TJM

CHECKED BY SEB

LIFT STATION 6
REHABILITATION

PREPARED FOR
CITY OF COCOA BEACH

CITY OF COCOA BEACH FLORIDA

LICENSED PROFESSIONAL

STEPHEN E. BAILEY

42461

DATE:

RTU DIAGRAM-4

SHEET NUMBER

RTU-4

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CONSTRUCTION PLANS FOR LIFT STATION 15 REHABILITATION

PREPARED FOR
CITY OF COCOA BEACH

BID NO. CB25-001
PROJECT NO. 147965003

MAY 2025

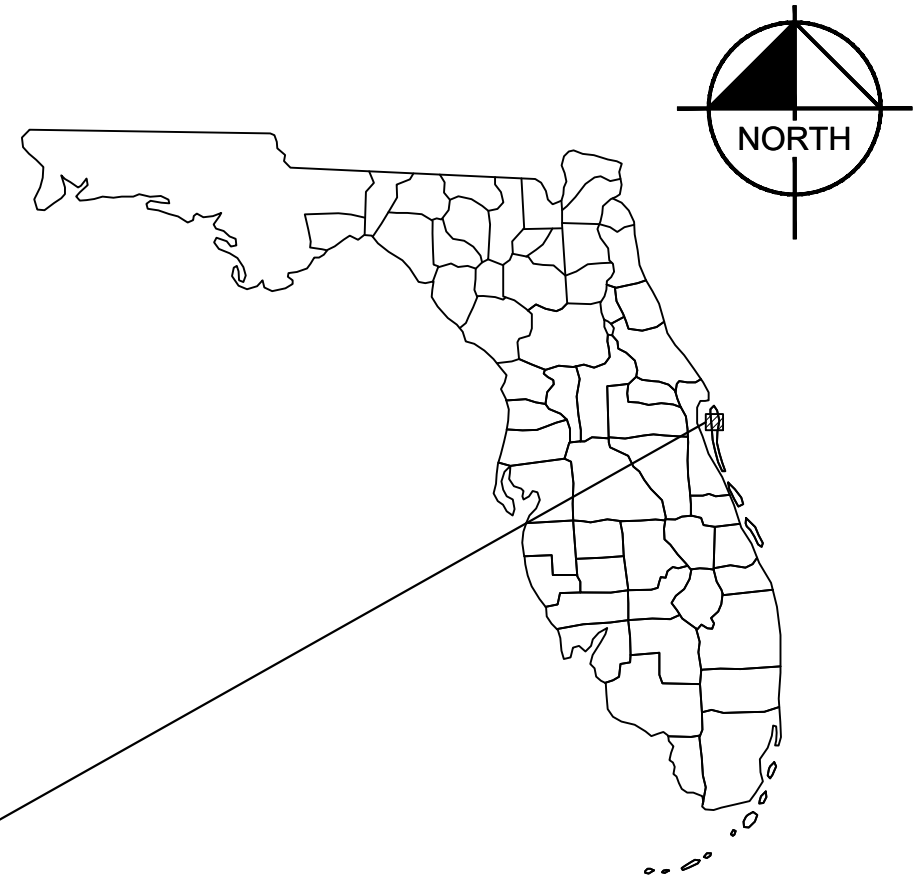


PROJECT VICINITY MAP
N.T.S.

BID PLANS

PREPARED BY
Kimley»Horn

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PHONE (321) 430-1138
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E-2	ELECTRICAL DEMOLITION SITE PLAN
E-3	LS 15 ELECTRICAL SITE PLAN
E-4	SINGLE LINE DIAGRAM
E-5	LS 15 ELECTRICAL PLAN
E-6	RACK DETAILS
E-7	ELECTRICAL DETAILS-1
E-8	ELECTRICAL DETAILS-2
PCP-1	PCP DIAGRAM-1
PCP-2	PCP DIAGRAM-2
PCP-3	PCP DIAGRAM-3
PCP-4	PCP DIAGRAM-4
RTU-1	RTU DIAGRAM-1
RTU-2	RTU DIAGRAM-2
RTU-3	RTU DIAGRAM-3
RTU-4	RTU DIAGRAM-4

OWNER:
CITY OF COCOA BEACH
WATER RECLAMATION DEPARTMENT
1600 MINUTEMEN CAUSEWAY
COCOA BEACH, FL 32931
CONTRACT: BRAD KALSOW
321-868-3308

ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC.
7341 OFFICE PARK PLACE, SUITE 102
MELBOURNE, FLORIDA 32940
CONTACT: TUCKER HUNTER, P.E.
407-982-3064

NOTES:

PRIOR TO ANY EXCAVATIONS THE CONTRACTOR SHALL COMPLY WITH THE UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT PER CHAPTER 556 OF FLORIDA LAW. CALL THE "SUNSHINE STATE ONE-CALL CENTER" 1-800-432-4770 FOR UNDERGROUND UTILITY LOCATIONS.

THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

THE SITE CONSTRUCTION STAKEOUT SHALL BE PERFORMED UNDER THE DIRECTION OF A FLORIDA REGISTERED SURVEYOR. AUTOCAD FILES WILL BE FURNISHED TO AID IN THE SITE CONSTRUCTION STAKEOUT. ANY DISCREPANCIES FOUND BETWEEN AUTOCAD FILES AND SITE CONSTRUCTION PLANS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR CLARIFICATION PRIOR TO THAT STAKEOUT.

PROJECT DESCRIPTION:

THIS PROJECT CONSISTS OF THE REHABILITATION OF THE EXISTING LIFT STATION 15. THE EXISTING WET WELL RISER PIPING, VALVE VAULT AND PIPING, EXISTING POWER POLE AND CONTROL PANEL WILL BE REMOVED. THE EXISTING TOP SLAB WILL BE SHAVED DOWN AND A NEW CONCRETE RISER PLACED TO RAISE THE ELEVATION OF THE WET WELL LID TO BE MINIMUM 12" ABOVE THE IDENTIFIED BFE (IDENTIFIED AS COASTAL FLOODPLAN ZONE AE, BASE FLOOD ELEV 3 FT, PER FEMA FIRMETTE MAP 12009C0453H, EFFECTIVE DATE 01/29/2021). A NEW TOP SLAB WILL ALSO BE INSTALLED. NEW RISER PIPING WILL BE INSTALLED BY CORE-DRILLING THROUGH THE WET WELL TOP SLAB AND AN ABOVE GROUND PIPING ASSEMBLY WILL BE INSTALLED AS WELL. APPROXIMATELY 20 LF OF 6" FORCE MAIN WILL BE CONSTRUCTED TO CONNECT THE PROPOSED SYSTEM TO THE EXISTING 6" FORCE MAIN WITHIN THE 29TH STREET RIGHT-OF-WAY. THIS PROJECT ALSO CONSISTS OF A NEW CONTROL PANEL AND RACK AND OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE EXISTING ANTENNA WILL BE MOVED TO THE PROPOSED NEW LOCATION. COORDINATION EFFORTS WITH FLORIDA POWER AND LIGHT (FPL) FOR THE INSTALLATION OF A NEW IN LINE POLE WITHIN THE RIGHT-OF-WAY TO SERVICE THE STATION WILL BE REQUIRED. THE LIFT STATION IS LOCATED WITHIN THE 29TH STREET RIGHT-OF-WAY, WHICH IS A BREVARD COUNTY PUBLIC RIGHT-OF-WAY. APPLICABLE PERMITTING THROUGH BREVARD COUNTY FOR A RIGHT-OF-WAY PERMIT IS ANTICIPATED.

					THIS DOCUMENT IS PROTECTED BY SECTION 106 OF THE "UNITED STATES COPYRIGHT ACT". REPRODUCTION OR ALTERATION OF THIS DOCUMENT OR THE INFORMATION CONTAINED HEREON BY ANY MEANS WHATSOEVER IS STRICTLY PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF KIMLEY-HORN AND ASSOCIATES, INC. CONSENT IS HEREBY GRANTED SPECIFICALLY TO GOVERNMENTAL AGENCIES TO REPRODUCE THIS DOCUMENT IN COMPLIANCE WITH F.S. CHAPTER 119.	A. TUCKER HUNTER FLORIDA LICENSE NUMBER: 88634 DATE:	MAY 2025
							PROJECT NO. 147965003
0	BID SET	5/7/2025	CPV				SHEET NUMBER G-1
No.	REVISIONS	DATE	BY				

Plotted By:McClure, Amanda
Sheet Set:LIFT STATION 15 REHABILITATION
Layout:G-2 GENERAL NOTES
May 09, 2025, 11:30:13am
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GENERAL

- ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.
- THE CONTRACTOR IS RESPONSIBLE FOR CHECKING DIMENSIONS AND SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCEMENT OR CONTINUATION OF ONGOING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE LATEST REVISED AND APPROVED DOCUMENTS FROM THE DESIGN FIRM, AND ANY QUESTIONS OR DESIGN DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.
- REFER TO THE PLAN DETAILS FOR ADDITIONAL INFORMATION.
- BENCH MARK DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD - '88), UNLESS OTHERWISE NOTED.
- LOT LINES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE TAKEN FROM EXISTING RECORDS AND SUPPLEMENTED BY MINIMUM FIELD LOCATION CONTROL.
- THE CONTRACTOR IS REQUIRED TO PERFORM HIS WORK IN ACCORDANCE WITH THE REQUIREMENTS OF VARIOUS PERMITS THAT ARE INCLUDED IN THE BID SPECIFICATIONS OR OTHERWISE REQUIRED. THE CONTRACTOR SHALL OBTAIN ANY REQUIRED PERMITS NOT INCLUDED IN THE BID SPECIFICATIONS BEFORE COMMENCING CONSTRUCTION. ALL ASSOCIATED COSTS ARE CONSIDERED INCIDENTAL TO THE PROJECT AND ARE TO BE PAID FOR AT THE CONTRACTOR'S EXPENSE.
- SUBSURFACE INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FOR USE IN ESTABLISHING DESIGN CRITERIA FOR THE PROJECT. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND IS NOT TO BE CONSTRUED AS PART OF THE PLANS GOVERNING CONSTRUCTION OF THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INQUIRE OF THE ENGINEER IF ADDITIONAL INFORMATION IS AVAILABLE, TO MAKE ARRANGEMENTS TO REVIEW SAME PRIOR TO BIDDING AND TO MAKE HIS OWN DETERMINATION AS TO ALL SUBSURFACE CONDITIONS.
- THE DISPOSAL OF EXCESS EARTHWORK MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. APPROVAL OF DISPOSAL SITES SHALL BE OBTAINED FROM CITY OF COCOA BEACH PRIOR TO DISPOSAL OPERATIONS. ALL EXCESS MATERIAL IS THE PROPERTY OF THE CONTRACTOR.
- INLETS, MANHOLES, AND OTHER STRUCTURES OTHER THAN FDOT STANDARD SIZES SHALL HAVE REINFORCING MATERIALS EQUIVALENT TO SIMILAR FDOT STRUCTURES.
- DEWATERING: IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE FOLLOWING PERMITS PRIOR TO START OF CONSTRUCTION:
 - CONSUMPTIVE USE PERMIT FOR DEWATERING ACTIVITIES. THIS PERMIT CAN BE OBTAINED FROM ST. JOHNS RIVER WATER MANAGEMENT DISTRICT.
 - FDEP GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUND WATER FROM ANY NON-CONTAMINATED SITE ACTIVITY. (DOCUMENT NUMBER 62-621.300(2)).
 - CONTRACTOR SHALL BE SOLELY RESPONSIBILITY FOR THE DESIGN, INSTALLATION, OPERATION, MAINTENANCE, AND ANY FAILURE OF ANY COMPONENT OF THE DEWATERING SYSTEM. AS NEEDED BASED ON SITE CONDITIONS, ANY PERMITS THAT ARE REQUIRED BY THE WATER MANAGEMENT DISTRICT ARE THE RESPONSIBILITY OF THE CONTRACTOR. REFER TO SPECIFICATIONS FOR ADDITIONAL DEWATERING REQUIREMENT.
- THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A DETAILED DEWATERING PLAN FOR REVIEW AND APPROVAL, A MINIMUM OF THIRTY (30) DAYS PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL PLAN, FURNISH, INSTALL AND OPERATE ALL NECESSARY MACHINERY AND EQUIPMENT TO KEEP THE EXCAVATION FREE FROM WATER DURING CONSTRUCTION. THE DEWATERING DISCHARGE LINES SHALL BE REASONABLY FREE FROM TURBID, PRIOR TO DISCHARGE. THERE WILL BE NO ADDITIONAL COST FOR PERMITTING AND TESTING FOR DEWATERING. THE COST OF DEWATERING SHALL BE INCLUDED IN THE COST OF THE BASE BID AMOUNT. PLEASE CONTACT 321-676-6603 AT ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, PALM BAY OFFICE.

POLLUTION PREVENTION, SEDIMENT AND EROSION CONTROL NOTES

- THE CONTRACTOR SHALL PERFORM POLLUTION PREVENTION ACTIVITIES, NOTICING, REPORTING, AND MAINTENANCE AS REQUIRED BY THE FDEP NPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES, IF APPLICABLE.
- IF APPLICABLE, AT LEAST TWO DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A NOTICE OF INTENT (N.O.I.), ALONG WITH A COPY OF THE LETTER OF EXEMPTION FROM ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, AND INFORMATION TO:

NPDES STORMWATER NOTICES CENTER
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
2600 BLAIR STONE ROAD, MS#2510
TALLAHASSEE, FL 32399-2400
PHONE: 866-336-6312 OR 800-297-1232
- ADDITIONALLY, FINAL COMPLETION OF CONSTRUCTION SHALL BE NOTICED IN ACCORDANCE WITH FDEP REQUIREMENTS.
- IF APPLICABLE, THE CONTRACTOR AND SUBCONTRACTORS RESPONSIBLE FOR IMPLEMENTING THE STORMWATER POLLUTION METHODS SHALL CERTIFY THEIR UNDERSTANDING OF PERMIT REQUIREMENTS IN THE N.O.I.
- ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL MEET CITY OF COCOA BEACH REQUIREMENTS.

A.SOIL STOCKPILES SHALL BE STABILIZED AND PROTECTED WITH SEDIMENT TRAPPING MEASURES FOR WIND AND WATER EROSION AND NOT TALLER THAN 6' IN RESIDENTIAL AREAS.

B.CONCENTRATED RUNOFF SHALL NOT FLOW DOWN SLOPES UNLESS PROTECTED WITH TEMPORARY OR PERMANENT CHANNEL, FLUME OR SLOPE DRAIN STRUCTURE.

C.SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN SYSTEM, DITCH OR CHANNEL. ALL STORM INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION. SHALL BE PROTECTED WITH ADEQUATE FILTER DEVICES.

D.UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING:
 - NO MORE THAN 500 LINEAR FEET OF TRENCH SHALL BE OPEN AT ONE TIME;
 - EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
 - EFFLUENT FROM DEWATERING SHALL BE FILTERED OR SO PASSED THROUGH A DETENTION BASIN THAT NO SEDIMENTS ARE VISIBLE IN OFFSITE DISCHARGE.

C.TRANSPORT OF SEDIMENT TO PUBLIC STREETS SHALL BE MINIMIZED BY PROVIDING A GRAVEL APRON AND STABILIZED TEMPORARY ACCESS ROUTES. WHERE SEDIMENT IS TRANSPORTED TO PUBLIC ROADS, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY WITH DEBRIS SHOVELED AND REMOVED TO A PROPER DISPOSAL AREA. STREET WASHING WILL BE ALLOWED ONLY AFTER THE SEDIMENT IS REMOVED IN THIS MANNER.

D.SEDIMENT AND EROSION PROTECTION CONTROLS SHALL BE INSPECTED AND MAINTAINED REGULARLY. THE CONTRACTOR SHALL PREPARE FOR THE N.O.I. AN OPERATIONS AND MAINTENANCE SCHEDULE WHICH REFLECTS INSPECTION AT LEAST SEVEN (7) DAYS OR WITHIN TWENTY-FOUR (24) HOURS OF A STORM 0.5 INCHES OR MORE.
- IN ADDITION TO THE SEDIMENT AND EROSION PROTECTION CONTROLS REQUIRMENTS, THE CONTRACTOR SHALL PROVIDE CONTROLS AS NECESSARY TO PROTECT OFFSITE DISCHARGE FROM CARRYING SEDIMENTS RESULTING FROM CONSTRUCTION ACTIVITIES. LOCALIZED ONSITE EROSION SHALL BE PROMPTLY REGRADED, FILLED, COMPACTED AND STABILIZED AS NECESSARY.
- CITY OF COCOA BEACH MAY REQUIRE ADDITIONAL CONTROLS AS DEEMED NECESSARY DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ADDITIONAL SILT SCREEN FENCING AS REQUIRED BY THE CITY OF COCOA BEACH INSPECTORS IN ORDER TO MEET THE INTENT OF THE EROSION AND SEDIMENT CONTROL PROTECTION REQUIREMENTS OF THE CITY.
- SILT FENCE AND SYNTHETIC BALES SHALL BE USED AT THE EXISTING INLETS AND AROUND PROJECT AS SHOWN ON THE PLANS. SEDIMENT AND EROSION CONTROL SHALL ALSO BE IN ACCORDANCE WITH CITY OF COCOA BEACH REQUIREMENTS AND SHALL BE IN PLACE PRIOR TO COMMENCING CONSTRUCTION.
- EROSION AND SILTATION CONTROL MEASURES ARE TO BE PROVIDED AND INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION. THESE MEASURES ARE TO BE INSPECTED BY THE CONTRACTOR ON A REGULAR BASIS AND ARE TO BE MAINTAINED OR REPAIRED ON AN IMMEDIATE BASIS, AS REQUIRED. CONTRACTOR SHALL BE REQUIRED TO INSTALL ALL EROSION, DESIMENT, AND TURBIDITY CONTROL MEASURES PRIOR TO CONSTRUCTION AND OF ANY COMPONENTS ASSOCIATED WITH THE PROJECT. SEDIMENT CONTROL INCLUDES SILT DAMS, TRAPS, EROSION PROTECTION, FENCE, AND ANY OTHER APPURTENANCES NEEDED BUT NOT NECESSARILY SHOWN ON THESE DRAWINGS.
- AS-BUILT SHALL BE PROVIDED BY THE CONTRACTOR TO THE UTILITY TWO WEEKS PRIOR TO FINAL INSPECTION. ALL AS-BUILT DATA SHALL BE PROVIDED BY A FLORIDA LICENSED SURVEYOR, SIGNED, SEALED,, AND DATED BY THE RESPONSIBLE PARTY. SEE INDIVIDUAL SECTIONS (SEWER, WATER SYSTEM, ETC.) FOR ADDITIONAL AS-BUILT REQUIREMENTS.
- STATE, COUNTY, CITY AND AND ALL OTHER REGULATORY AGENCY PERMITS SHALL BE OBTAINED BY THE OWNER/DEVELOPER. A COPY OF ALL PERMITS SHALL BE PROVIDED TO THE UTILITY PRIOR TO ANY CONSTRUCTION ACTIVITY.
- ALL TESTING RESULTS FOR NEW CONSTRUCTION SHALL BE PROVIDED TO THE UTILITY. TESTING REQUIREMENTS ARE TO BE IN ACCORDANCE WITH THE UTILITIES' SPECIFICATIONS AND REQUIREMENTS. ALL TEST RESULTS SHALL BE PROVIDED (PASSING AND FAILING) ON A REGULAR AND IMMEDIATE BASIS. NO TESTING TO BE SCHEDULED ON MONDAY OR FRIDAY.

- SHOP DRAWINGS AND CERTIFICATIONS FOR ALL SEWER SYSTEM MATERIALS AND STRUCTURES ARE REQUIRED. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE TO ENGINEER FIRST FOR APPROVAL, THEN TO THE UTILITY FOR APPROVAL PRIOR TO ORDERING THE MATERIALS REQUIRED FOR CONSTRUCTION.
- WHEREVER STATE, COUNTY, CITY OR LOCAL STANDARD SPECIFICATIONS DIFFER FROM THOSE CONTAINED HEREIN: THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND UTILITY FOR CERTIFICATION. TYPICALLY THE MORE STRINGENT SHALL GOVERN.
- A PRE-CONSTRUCTION CONFERENCE SHALL BE REQUIRED WITH THE UTILITY, ENGINEER, AND CONTRACTOR IN ATTENDANCE. THE CONTRACTOR SHALL SCHEDULE, WITH ALL PARTIES, THE TIME AND PLACE OF MEETING PRIOR TO ANY CONSTRUCTION COMMENCEMENT. ALL JURISDICTIONAL PERMITS, APPROVED SHOP DRAWINGS, AND CONNECTION FEES SHALL BE IN PLACE PRIOR TO PRE-CONSTRUCTION CONFERENCE SCHEDULING. THE UTILITY REQUIRES AT LEAST 72 HOURS NOTICE FOR SCHEDULING OF PRE-CONSTRUCTION CONFERENCE.
- AT NO TIME SHALL THE CONTRACTOR DISTURB SURROUNDING PROPERTIES OR TRAVEL ON SURROUNDING PROPERTIES WITHOUT WRITTEN CONSENT FROM THE PROPERTY OWNER. REPAIR OR RECONSTRUCTION OF DAMAGED AREAS ON SURROUNDING PROPERTIES SHALL BE PERFORMED BY THE CONTRACTOR ON AN IMMEDIATE BASIS. ALL COSTS FOR REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH NO COMPENSATION FROM THE UTILITY.
- ALL FILL MATERIALS SHALL NOT CONTAIN ANY MUCK, STUMPS, ROOTS, BRUSH, VEGETATIVE MATTER, RUBBISH OR OTHER MATERIAL THAT WILL NOT COMPACT INTO A SUITABLE AND ENDURING BACKFILL. FILL SHALL BE CLEAN, NON-ORGANIC, GRANULAR MATERIAL WITH NOT MORE THAN 10% PASSING THE NO. 200 SIEVE.
- FILL MATERIALS PLACED UNDER ROADWAYS SHALL BE COMPACTED TO AT LEAST 98% OF THE MAXIMUM DENSITY AS SPECIFIED IN AASHTO T-180. ALL OTHER FILL AREAS ARE TO BE COMPACTED TO AT LEAST 95% MAXIMUM DENSITY AS SPECIFIED IN AASHTO T-180. FILL MATERIALS SHALL BE PLACED AND COMPACTED IN A MAXIMUM OF 12" LIFTS. THE CONTRACTOR SHALL PROVIDE THE ENGINEER AND OWNER WITH ALL (PASSING AND FAILING) TESTING RESULTS. RESULTS SHALL BE PROVIDED ON A TIMELY AND REGULAR BASIS PRIOR TO CONTRACTOR'S PAY REQUEST SUBMITTAL.
- BENCHMARK INFORMATION SHALL BE PROVIDED TO THE CONTRACTOR BY THE OWNER OR OWNER'S SURVEYOR. ANY DISCREPANCIES BETWEEN FIELD MEASUREMENTS AND CONSTRUCTION PLAN INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- ALL TESTING RESULTS SHALL BE PROVIDED TO THE OWNER/OPERATOR, COUNTY, AND THE ENGINEER. TESTING REQUIREMENTS ARE TO BE IN ACCORDANCE WITH THE OWNER/OPERATOR'S SPECIFICATIONS AND REQUIREMENTS. ALL TEST RESULTS SHALL BE PROVIDED (PASSING AND FAILING) ON A REGULAR AND IMMEDIATE BASIS. CONTRACTOR SHALL PROVIDE TESTING SERVICES THROUGH A FLORIDA LICENSED GEOTECHNICAL ENGINEERING FIRM ACCEPTABLE TO THE OWNER AND ENGINEER.
- THE CONTRACTOR SHALL PERFORM HIS OWN INVESTIGATIONS AND CALCULATIONS AS NECESSARY TO ASSURE HIMSELF OF EARTHWORK QUANTITIES. THERE IS NO IMPLICATION THAT EARTHWORK BALANCES AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY IMPORT FILL NEEDED, OR FOR REMOVAL AND DISPOSAL OF EXCESS MATERIALS.
- EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN, UNLESS OTHERWISE NOTED. EXISTING DRAINAGE MUST BE MAINTAINED UNTIL NEW SYSTEM IS ACTIVATED.

UTILITY NOTES

- THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UTILITIES IS BASED ON AVAILABLE RECORDS AND FIELD MARKINGS PROVIDED BY THE UTILITY OWNER AND IS NOT GUARANTEED.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION (OVERHEAD AND UNDERGROUND). DISCREPANCIES BETWEEN EXISTING CONDITIONS AND PLAN CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- UTILITIES SHALL NOT BE CONSIDERED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. COORDINATION OF UTILITY RELOCATION WILL BE THE CONTRACTOR'S RESPONSIBILITY. UTILITIES ARE TO BE ADJUSTED OR RELOCATED BY THE UTILITY COMPANIES UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS 48 HOURS PRIOR TO COMMENCEMENT OF THE WORK. PRIOR TO EXCAVATION THE CONTRACTOR SHALL COMPLY WITH THE UNDERGROUND FACILITY DAMAGE AND PREVENTION SAFETY ACT PER CHAPTER 556 OF FLORIDA LAW AND SHALL COMPLY WITH FLORIDA STATUTE 553.851 REGARDING NOTIFICATION OF EXISTING GAS AND OIL PIPELINE COMPANY OWNERS. PRIOR TO ANY EXCAVATION THE CONTRACTOR SHALL NOTIFY SUNSHINE STATE ONE CALL CENTER UTILITY NOTIFICATION CENTER AT "800-432-4770".
- CONTRACTOR SHALL COORDINATE WITH UTILITY OWNERS FOR HOLDING OF ANY UTILITY POLE. THE COST OF POLE HOLDING IN UTILITY EASEMENTS AND PRIVATE PROPERTY WILL BE INCLUDED IN THE CONTRACT PRICE. CONTRACTOR TO NOTIFY THE UTILITY OWNER 30 DAYS BEFORE COMMENCING CONSTRUCTION OR DEMOLITION.
- UTILITY COMPANIES:

AT&T DISTRIBUTION
6628 LAKESIDE ROAD
WEST PALM BEACH, FL 33411
(PHONE)
CONTACT:
EMERGENCY:

CITY OF COCOA UTILITIES DEPARTMENT
351 SHEARER BOULEVARD
COCOA, FL 32922
321-433-8797
CONTACT: KATHERINE ENNIS, P.E.
EMERGENCY:

FLORIDA CITY GAS/NEXT ERA ENERGY
4180 U.S. HIGHWAY 1, SOUTH
ROCKLEDGE, FLORIDA 32955-5309
321-213-8254
CONTACT:MICHAEL BRAD TERMINI
EMERGENCY:ROGER BOHACH 813-714-5120

FLORIDA POWER & LIGHT COMPANY
9001 ELLIS ROAD
MELBOURNE, FL 32904
321-726-4808
CONTACT:JAMIE PURNELL
EMERGENCY:386-586-6403

ZAYO GROUP/FORMERLY LIGHTWAVE
130 N MAIN ST
BUTTE, MT 59701
406-496-6510
CONTACT: HENRY KLOBCAR
EMERGENCY: 866-364-6033
- CAUTION: THERE MAY BE OTHER UTILITY OWNERS WITHIN THE PROJECT AREA WHICH ARE NOT LISTED ABOVE.

UTILITY SEPARATION NOTES

- NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- AT THE UTILITY CROSSINGS DESCRIBED ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III of CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III of CHAPTER 62-610, F.A.C.

CONSTRUCTION NOTES:

- SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF COCOA BEACH SPECIFICATIONS AND STANDARD CONSTRUCTION DETAILS (LATEST EDITION).
- SHEETING AND SHORING SHALL BE REQUIRED FOR PROTECTION OF WORKMEN, THE PUBLIC STRUCTURES, AND PROPERTY. THE EXCAVATED TRENCH SHALL BE PROPERLY SHEETED AND BRACED TO PREVENT CAVING OR SLIDING. THE COST OF SHEETING AND BRACING SHALL BE INCLUDED IN THE INSTALLATION OF ALL INFRASTRUCTURE DEEPER THAN 6 FT BELOW GRADE INSTALLED BY OPEN CUT.
- THE CONTRACTOR IS RESPONSIBLE FOR RESOLVING ALL UNDERGROUND CONFLICTS. THE COST SHALL BE INCLUDED IN THE BID PRICE.

- THE CONTRACTOR SHALL PLAN AND INSTALL A TEMPORARY BY-PASS SYSTEM(S) FOR MAINTAINING SEWER FLOW AS NEEDED. BY-PASS SYSTEM PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. A SUGGESTED TEMPORARY BY-PASS IS PLANNED AND SHOWN ON THE CONSTRUCTION PLANS.
- THE CONTRACTOR SHALL COMPLY WITH SAFETY STANDARDS WHEN WORKING IN THE SANITARY SEWER WETWELL, MANHOLES AND SEWER LINES.
- FORCE MAIN SHALL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD M23. FORCE MAIN SYSTEM SHALL BE TESTED FOR TWO (2) HOURS AT 100 PSI. THE CONTRACTOR SHALL PROVIDE SEVENTY-TWO (72) HOURS WRITTEN ADVANCE NOTIFICATION TO THE UTILITY AND THE ENGINEER. NO TESTING ON MONDAY OR FRIDAY. THE CONTRACTOR SHALL PERFORM SATISFACTORY PRETESTING PRIOR TO NOTIFICATION. .
- AS A CONDITION OF THE FDEP PERMIT, THE INSTALLED INFRASTRUCTURE SHALL NOT BE PLACED INTO SERVICE UNTIL THE FDEP OFFICE HAS CLEARED THE PROJECT FOR USE. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE PROJECT AS-BUILT DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR AND ALL REQUIRED TESTS TO THE ENGINEER FOR FDEP CLEARANCE.
- CONTRACTOR SHALL PROVIDE A PRE-CONSTRUCTION VIDEO OF THE PROJECT AND SHALL BE SUBMITTED TO CITY OF COCOA BEACH PRIOR TO CONSTRUCTION COMMENCING.
- THE ROAD PAVEMENT SHALL NOT BE DISTURBED OUTSIDE OF OPEN CUT AREAS UNLESS OTHERWISE NOTED ON THE PLANS.
- PRIVATE PROPERTY OUTSIDE THE LIMITS OF CONSTRUCTION AND/OR STREET RIGHTS-OF-WAY THAT ARE DISTURBED BY CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. THERE SHALL BE NO EXTRA PAY FOR THIS WORK AND THE ANTICIPATED COST OF THE WORK MUST BE INCLUDED IN THE CONTRACT PRICE.
- THE CONTRACTOR SHALL PROTECT PAVEMENT, SIDEWALK, CURBING, DRIVEWAYS, IRRIGATION LINES, LANDSCAPING, UTILITY APPURTENANCES AND PAVEMENT OUTSIDE THE LIMITS OF CONSTRUCTION. THE CONTRACTOR, AT NO COST TO THE CITY, SHALL REPLACE DAMAGED OR UNDERMINED AREAS. REPAIRED ITEMS SHALL MATCH EXISTING UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- WELL IN ADVANCE OF APPLYING SOD, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR AN INSPECTION OF THE AFFECTED AREAS TO ASSURE ACCEPTABLE GRADING.
- THERE MAY BE IRRIGATION LINES AND SPRINKLER HEADS WITHIN THE LIMITS OF CONSTRUCTION (CLEARING AND GRUBBING) WHICH HAVE NOT BEEN LOCATED OR SHOWN. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO CUT, PLUG AND REFERENCE THE EXISTING LINES AT THE LIMITS OF CONSTRUCTION. ANY COSTS INCURRED FOR THIS WORK SHALL BE INCLUDED IN THE VARIOUS BID ITEMS IN THE CONTRACT.
- DRIVEWAYS TO PRIVATE PROPERTY, RESIDENCES, BUSINESSES, ETC., AND ALL PUBLIC STREET CONNECTIONS SHALL REMAIN OPEN EXCEPT FOR VERY SHORT PERIODS ASSOCIATED WITH A CRITICAL, MOMENTARY POINT OF CONSTRUCTION OPERATION. CONTRACTOR SHALL COORDINATE TEMPORARY CLOSURES WITH PROPERTY OWNERS.
- REMOVAL AND REINSTALLMENT OF MAILBOXES AS NEEDED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WHETHER OR NOT SPECIFICALLY CALLED FOR IN THE PLANS. THE CONTRACTOR SHALL WORK WITH THE LOCAL POSTMASTER TO DEVELOP A METHOD OF TEMPORARY MAIL SERVICE FOR THE PERIOD BETWEEN REMOVAL AND REINSTALLATION OF MAILBOXES.
- IF THE LOCATION OF BURIED UTILITIES ARE IN CONFLICT WITH THE PROPOSED PIPELINES, THEN IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE UTILITY OWNER TO RELOCATE THE UTILITY LINES AND THE COST SHALL BE INCLUDED IN THE BID AMOUNT.
- REMOVAL AND RE-INSTALLMENT OF TRAFFIC SIGNS AS NEEDED AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WHETHER OR NOT SPECIFICALLY CALLED FOR IN THE PLANS.
- GREEN INDICATOR TAPE SHALL BE BURIED IN THE FORCE MAIN TRENCH 18" DIRECTLY ABOVE THE FORCE MAIN. A CONTINUOUS COPPER DETECTOR WIRE SHALL BE ATTACHED TO THE PIPE AND VALVES WITH VINYL TIE STRAPS UTILITY DETAILS.
- THE CITY OF COCOA BEACH INSPECTOR MUST BE ON THE JOB SITE FOR ALL PIPE INSTALLATIONS.
- DEPTH OF THE INSTALLED PIPE SHALL BE SHOWN ON THE DRAWINGS. ANY DEPTH CHANGES FROM THE PLANS SHALL BE SHOWN ON THE RECORD DRAWINGS.
- DUCTILE IRON PIPE (DIP) SHALL HAVE A MINIMUM PRESSURE CLASS OF 250 AND CONFORM TO THE REQUIREMENTS OF ANSI, A 21.51 AND AWWA C 151, LATEST REVISION. JOINTS FOR DUCTILE IRON PIPE SHALL BE RESTRAINED AND MECHANICAL JOINT OR PUSH ON JOINT. PUSH ON JOINTS SHALL CONFORM WITH AWWA C 111 AND ASNI A21.11. JOINTING MATERIAL SHALL BE PROVIDED BY THE PIPE MANUFACTURER AND INSTALLATION SHALL BE PER THE MANUFACTURER'S RECOMMENDED PRACTICE. DUCTILE IRON PIPE SHALL BE LINED AND POLYWRAPPED WITH POLYETHYLENE PIPE ENCASEMENT AND INSTALLED IN ACCORDANCE WITH AWWA C 105. SEE SECTION 02535 OF THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- ALL FORCE MAIN PIPE JOINTS SHALL BE RESTRAINED.
- COMPACT FITTINGS FOR FORCE MAIN SHALL BE MECHANICAL JOINT, DUCTILE IRON CONFORMING TO ANSI/AWWA C143/A21.53 (LATEST EDITION) 350 PSI MINIMUM PRESSURE RATING. FITTINGS SHALL BE POLYETHYLENE LINED (MIN. 30 MILS CONFORMING TO ASTM D-1248).
- ALL PLUGS, CAPS, TEES, VALVES, BENDS, ETC., SHALL BE RESTRAINED JOINTS OR THRUST BLOCKED (RESTRAINED JOINTS PREFERRED) PER UTILITY DETAILS. THREE FOOT MINIMUM COVER OVER FORCE MAIN.
- STANDARD PLUG VALVES SHALL BE MANUFACTURED BY DEZURIK CORP., PRATT, DRESSER, HOMESTEAD INDUSTRIES, OR APPROVED EQUAL.
- VALVES SHALL BE FURNISHED WITH REPLACEABLE CHEVRON PACKING, CAPABLE OF BEING REPACKED WITH THE LINE UNDER PRESSURE.
- VALVES 4 INCHES IN DIAMETER AND SMALLER SHALL BE WRENCH NUT OPERATED. VALVES LARGER THAN 4 INCHES SHALL BE WORM GEAR OPERATED.
- VALVE BOX PADS SHALL BE 4" THICK CONCRETE WITH #4 REINFORCING BARS. PAD IS TO BE SET AT FINISH GRADE.
- MAXIMUM LENGTH BETWEEN VALVES SHALL BE 1000 LINEAR FEET. UNDERGROUND VALVE IDENTIFICATION (UVI) MARKERS SHALL BE PROVIDED AT EACH VALVE LOCATION.
- UVI MARKERS SHALL BE INSTALLED IN THE VALVE PAD IN UNPAVED AREAS, IN CONCRETE ADJACENT TO VALVE BOX COVER IN SIDEWALK OR DRIVEWAY AREAS, AND IN CONCRETE CURB ADJACENT TO VALVE IN PAVED AREAS. UVI'S PLACED IN CURB FOR VALVES IN PAVED AREAS SHALL BE INSTALLED WITH THE SAME LOCATION ARRANGEMENT AS THE VALVES. (REFER TO PLACEMENT DETAIL.)
- AIR RELEASE VALVE DESIGNED FOR SEWAGE SERVICE SHALL BE INSTALLED IN THE TOPS OF PIPES AS INDICATED ON THE DRAWINGS. VALVES SHALL BE DESIGNED TO PERMIT MANUAL RELEASE OF AIR FROM AN EMPTY PIPE DURING FILLING AND SHALL BE CAPABLE OF DISCHARGING ACCUMULATED AIR IN THE LINE WHILE THE LINE IS IN OPERATION AND UNDER PRESSURE. VALVES SHALL BE CAPABLE OF WITHSTANDING OPERATING PRESSURES OF 150 PSI. VALVES SHALL BE VENTED TO THE ATMOSPHERE. THE VALVES SHALL BE ARI OR APPROVED EQUAL.
- CHECK VALVES SHALL BE OF THE WEIGHT AND LEVER TYPE, RESILIENT DISC, GRAY IRON, AND BRONZE TRIM, HORIZONTAL MOUNTED. VALVES SHALL BE MANUFACTURED IN ACCORDANCE WITH AWWA C508 WITH FLANGED CONNECTIONS. VALVES SHALL HAVE A WORKING PRESSURE OF 200 PSI FOR VALVES 2"-12". VALVES SHALL BE DEZURIK, MUELLER, OR APPROVED EQUAL.
- TRENCHING SHALL BE IN ACCORDANCE WITH THE TRENCHING DETAILS PROVIDED ON THE CONSTRUCTION PLANS.
- COMPACTED BACKFILL FOR ALL PIPES SHALL BE TO 98% MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 FOR UNDER ROADWAYS. OTHER COMPACTION OF BACKFILL SHALL BE TO THE 95% MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
- INSTALLATION OF THE SANITARY SEWER FORCE MAIN SHALL BE IN CONFORMANCE WITH ASTM D2774-72 (LATEST EDITION).
- MINIMUM COVER OVER ALL PIPES SHALL BE 36" FROM TOP OF PIPE TO FINISHED GRADE. SEE PLAN AND PROFILE SHEETS FOR REQUIRED DEPTH.



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KHA PROJECT	147965003
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	AJC
DRAWN BY	DLC
CHECKED BY	ATH

LIFT STATION 15 REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH

COCOA BEACH

FLORIDA

LICENSED PROFESSIONAL
A. TUCKER HUNTER
FLORIDA LICENSE NUMBER
88634
DATE: --- ---

GENERAL NOTES

G-2

SHEET NUMBER

37. THE FORCE MAIN SHALL BE INSTALLED AS NOTED ON THE PLANS. WHERE APPLICABLE, A HORIZONTAL SEPARATION OF AT LEAST 10' SHALL BE MAINTAINED BETWEEN WATER AND SEWER LINES. WHEN WATER AND SEWER LINES CROSS WITH LESS THAN AN 18" VERTICAL SEPARATION, THE PVC SEWER LINE SHALL BE ENCASED IN CONCRETE OR DUCTILE IRON PIPE USED IN LIEU OF PVC PIPE FOR A DISTANCE OF 10' EITHER SIDE OF THE CROSSING.

38. ALL PLUGS, CAPS, TEES, BENDS, VALVES, ETC., SHALL BE PROVIDED WITH RESTRAINED JOINTS OR THRUST BLOCKS (RESTRAINED JOINTS PREFERRED). FOR THRUST BLOCK OR RESTRAINED JOINT CONSTRUCTION DETAILS, REFER TO THE UTILITY DETAILS AND TABLES.

39. CONNECTIONS TO MANHOLES WITH FORCE MAINS SHALL BE MADE BY CORE BORE AND LINK SEAL OR OTHER APPROVED CONNECTION. CONNECTIONS SHALL BE MADE WATERTIGHT AND BE INSTALLED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS.

40. THE CONTRACTOR SHALL PROVIDE VERTICAL AND HORIZONTAL "AS-BUILT" INFORMATION RELATIVE TO ALL CONSTRUCTED UTILITIES AND STRUCTURES.

41. AS-BUILT INFORMATION FOR THE FORCE MAIN SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING

1. LOCATION OF ALL VALVES, FITTINGS, ETC.
2. LOCATION OF THE FORCE MAIN TIED HORIZONTALLY TO THE BACK OF CURB OR EDGE OF PAVEMENT.
3. CERTIFICATION AS TO THE SYSTEM MEETING THE MINIMUM COVER REQUIREMENTS.
4. HORIZONTAL AND VERTICAL DATA FOR ANY CONSTRUCTION WHICH DEVIATES FROM THE APPROVED ENGINEERING DRAWINGS.
5. ASSET TABLES ARE REQUIRED USING FLORIDA STATE PLANE NORTHING & EASTING FOR ALL MAINS AT 100' INTERVALS AND VALVES

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LIFT STATION 15 REHABILITATION

PREPARED FOR
CITY OF COCOA BEACH

COCOA BEACH

LICENSED PROFESSIONAL

A. TUCKER HUNTER

FLORIDA LICENSE NUMBER
88634

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G-3

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CIVIL SYMBOLS LEGEND

	EXISTING SPOT ELEVATION
	PROPOSED ELEVATION
	PROPOSED TOP OF CURB/ PAVEMENT ELEVATION
	EXISTING CONTOUR
	PROPOSED CONTOUR
	PROPOSED STORM PIPE
	PROPOSED GRATE INLET
	PROPOSED CURB INLET
	PROPOSED STORM MANHOLE
	EXISTING STORM PIPE
	EXISTING GRATE INLET
	PROPOSED DIRECTION OF SURFACE WATER RUNOFF
	PROPOSED YARD DRAIN

DRAFTING LEGEND

	NOTE (TYP) ANNOTATION, SINGLE LEADER INDICATING TYPICAL AT MULTIPLE LOCATIONS
	NOTE ANNOTATION, MULTIPLE LEADERS INDICATING DISCRETE TARGETS
	VIEWPORT OR FEATURE BREAK INDICATOR
	VIEW FRAME EXTENT (WITH DRAWING LOCATION REFERENCE)
	STANDARD NORTH ARROW (ROTATED AS REQUIRED)
	NORTH NORTH ARROW
	GRAPHIC SCALE IN FEET
	HALF VIEWPORT SCALE
	HORIZONTAL FULL VIEWPORT SCALE
	DOUBLE VIEWPORT SCALE
	VERTICAL
	GRAPHIC SCALE (HORIZONTAL AND/OR VERTICAL AS REQUIRED)

PROCESS PIPING LEGEND (SINGLE-LINE)

	EXISTING SANITARY SEWER
	EXISTING FORCE MAIN
	EXISTING REUSE MAIN
	EXISTING WATER MAIN
	EXISTING UNDERGROUND TELECOMM. LINE
	EXISTING OVERHEAD LINE
	EXISTING FIBER OPTIC LINE
	EXISTING NATURAL GAS LINE
	PROPOSED SANITARY SEWER
	PROPOSED SANITARY MANHOLE
	PROPOSED SANITARY SERVICE
	PROPOSED FORCE MAIN

PROCESS PIPING LEGEND (DOUBLE-LINE OR 3D)

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	MECHANICAL JOINT FITTINGS		GLOBE CHECK VALVE (FLANGED SHOWN)
	FLANGED FITTINGS		SWING CHECK VALVE (FLANGED SHOWN)
	SOLVENT WELD FITTINGS		PIPE COUPLING
	BUTT-WELD FITTINGS (S STL SHOWN)		EXPANSION JOINT, FLANGED
	BALL VALVE (SOLVENT WELD SHOWN)		FLOW CONTROL VALVE (FLANGED SHOWN)
	GATE VALVE (FLANGED SHOWN)		MAGNETIC FLOW METER (FLANGED SHOWN)
	PLUG VALVE (FLANGED SHOWN)		PROPELLER FLOW METER (FLANGED SHOWN)
	BUTTERFLY VALVE (FLANGED SHOWN, WHEEL OPERATED)		V-CONE FLOW METER (FLANGED SHOWN)
	BUTTERFLY VALVE (WAFER, LEVER OPERATED)		VENTURI FLOW METER (FLANGED SHOWN)

DETAIL/SECTION REFERENCES

	SECTION CUT AND DIRECTION TAIL (ROTATED AS REQUIRED)
	DETAIL OR SECTION NUMBER/LETTER
	DRAWING WHERE DETAIL IS REFERENCED
	DETAIL SCALE: N.T.S.

STANDARD ABBREVIATIONS

(A)ARV AIR CONDITIONING A/VV AIR/VACUUM AIR VALVE AAV AUTOMATIC AIR VENT ABAN ABANDONED ABFV ACTUATED BUTTERFLY VALVE ABRSV ABRASIVE ABS ACRYLONITRILE BUTADIENE STYRENE AB-xx AUGER BORING (e.g. AB-1) ACOMP ASPHALT-COATED CORRUGATED METAL PIPE ACCV AIR CUSHION CHECK VALVE ACP ASBESTOS CEMENT PIPE ADH ADHESIVE ADJ ADJUSTABLE AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE AFS ABOVE FINISHED SLAB AG AMMONIA GAS AIR AIR PIPE AL ALUMINUM ALT ALTERNATE AMM AMMONIATOR ADD ANGLE OF DEFLECTION APPROX APPROXIMATE AS AMMONIA SOLUTION ASSY ASSEMBLY BNV BOTH WAYS BCV BALL CHECK VALVE BF BLIND FLANGE BFP BACKFLOW PREVENTER BFV BUTTERFLY VALVE BGO BURIED GEAR OPERATOR BI BLACK IRON BIP BLACK IRON PIPE BLUM BITUMINOUS OR BITUMASTIC BUILDING BLDG BUILDING BM BENCH MARK BOC BACK OF CURB BOS BOTTOM OF SLAB BOT BOTTOM BSP BLACK STEEL PIPE BTWN BETWEEN BV BALL VALVE BW BUTT WELD BWV BACKWASH WATER B-x (x = B-1) C&G CURB AND GUTTER C.F. CUBIC FOOT C.I. CUBIC INCH C.Y. CUBIC YARD C/C CENTER TO CENTER CA CAPACITY CAP CABLE TELEVISION CAV COMBINATION AIR VALVE CBP CHLORINE BOOSTER PUMP CCC CHLORINE CONTACT CHAMBER CE CHLORINATED EFFLUENT CFM CUBIC FEET PER MINUTE CFS CUBIC FEET PER SECOND CI CAST IRON CIP CAST IRON PIPE CISP CAST IRON SOIL PIPE CJ CONSTRUCTION JOINT CL CENTER LINE CL2 CHLORINE GAS CLF CHAIN LINK FENCE CLR CLEAR(ANCE) CMP CORRUGATED METAL PIPE CMPA CORRUGATED METAL PIPE ARCH CMA CLEAN OUT CO2 CARBON DIOXIDE COAG COAGULANT CONC CONCENTRATE CONN CONNECTION CONSTR CONSTRUCTION CONT CONTINUATION COP COPPER PIPE CP CONCRETE PIPE CPA CONCRETE PIPE ARCH CPLG COUPLING CPP CONCRETE PRESSURE PIPE CPVC CHLORINATED POLYVINYL CHLORIDE CR CONCENTRIC REDUCER CS CHLORINE SOLUTION CV CHECK VALVE CYL CYLINDER D DRAIN DEG DEGREE DEMO DEMOLITION DIESEL FUEL DI DUCTILE IRON DIA DIAMETER DIAG. DIAGONAL DIM DIMENSION DIP DIP DIR DIRECTION DISCH DISCHARGE DJ DISMANTLING JOINT DMH DROP MANHOLE DN DOWN DN DIMENSION RATIO DV DIAPHRAGM VALVE DW DISINFECTED WATER DWG DRAWING DWV DRAIN, WASTE, AND VENT E EAST(ING) E.F. EACH FACE E.W. EACH WAY EACH ECC ECCENTRIC EFF EFFLUENT EGO ELEVATED GEAR OPERATOR	(A)UTOMATIC AIR RELEASE VALVE ELEV ELEVATION ELAST ELASTOMERIC ELL ELBOW EMER EMERGENCY EOP EDGE OF PAVEMENT EPDM ETHYLENE PROPYLENE DIENE MONOMER EQUIP EQUIPMENT EST ESTIMATED EVA ELECTRIC VALVE ACTUATOR EX(IST) EXISTING EXP EXPANSION EXT EXTERIOR F/F FACE TO FACE FAB FABRICATED FC FLEXIBLE COUPLING FCA FLANGED COUPLING ADAPTER FCV FLOW-CONTROL VALVE FD FLOOR DRAIN FE FILTERED EFFLUENT FF FINISH FLOOR FH FIRE HYDRANT FIG FIGURE FIN FINISHED FL FLUORIDE FLEX FLEXIBLE FLG FLANGE(D) FMR FORCE MAIN FM FORCE MAIN FO(L)(C) FIBER OPTIC (LINE)(CONDUIT) FPM FEET PER MINUTE FPS FEET PER SECOND FRP FIBERGLASS REINFORCED PLASTIC FT FOOT OR FEET FV FOOT VALVE FW FINISHED WATER GA GAUGE GAL GALLONS GALV GALVANIZED GBW GAC BACKWASH GIP GALVANIZED IRON PIPE GJ GROOVE JOINT GRND GROUND GO GEAR OPERATED GPD GALLONS PER DAY GPH GALLONS PER HOUR GPM GALLONS PER MINUTE GPS GALLONS PER SECOND GR GRADE GRP GALVANIZED STEEL GSP GALVANIZED STEEL PIPE GSR GROUND STORAGE RESERVOIR GST GROUND STORAGE TANK GTV GATE VALVE HB HOSE BIBB HD HEAVY-DUTY HDD HORIZ. DIRECTIONAL DRILL HSE HIGH-DENSITY POLYETHYLENE HOPE HYDROFLUOSILICIC ACID HFA HARNESSED FLANGED COUPLING CI CAST IRON HORIZ HORIZONTAL HP HORSEPOWER HPA HIGH PRESSURE AIR HOUR HSP HIGH SERVICE PUMP HT HEIGHT HVA HYDRAULIC VALVE ACTUATOR HVAC HEATING, VENTILATION, AND AIR CONDITIONING HW HOT WATER HWL HIGH WATER LEVEL HYD HYDRAULIC ID INSIDE DIAMETER IN INCH(ES) INF INFILTRANT INV INVERT IP IRON PIPE IPS INTERNATIONAL PIPE STANDARD IR INTERNAL RECYCLE IW IRRIGATION WATER JB JUNCTION BOX JT JOINT KGV KNIFE GATE VALVE L LEFT LAB LABORATORY LAM LAMINATE OR LAMINATION LAT LATERAL LB(S) POUND(S) LEN LENGTH LF LINEAR FEET LHDPE LINEAR HIGH-DENSITY POLYETHYLENE LS LIME SLURRY LSS LIME STABILIZED SLUDGE LWL LOW WATER LEVEL MAINT MAINTAIN OR MAINTENANCE MAN MANUAL(LY) MAX MAXIMUM MCC MOTOR CONTROL CENTER ME(S) MITERED END (SECTION) MECH MECHANICAL MF MICROFILTRATION MFR MANUFACTURE(R) MG MILLION GALLONS MGD MILLION GALLONS PER DAY MH MANHOLE MI MILE(S) MIN MINIMUM MISC MISCELLANEOUS MJ MECHANICAL JOINT ML MIXED LIQUOR MPH MILES PER HOUR MRPP METAL REINFORCED PLASTIC PIPE	MTD MOUNTED MOV MOTORIZED VALVE MW MANWAY MWL MEAN WATER LEVEL N NORTH(ING) NCP NORMALLY CLOSED N.I.C. NOT IN CONTRACT N.O. NORMALLY OPEN N/A NOT APPLICABLE NACO SODIUM HYPOCHLORITE NE NORTHEAST NF NANOFILTRATION NIC NOT IN CONTRACT NP NUMBER NOM NOMINAL NPT NATIONAL PIPE TAPER NPW NON-POTABLE WATER NSFC NOT SHOWN FOR CLARITY NTS,N.T.S. NOT TO SCALE NW NORTHWEST O&M OPERATION AND MAINTENANCE O.C. ON CENTERS O/E OR EQUAL O/O OUTSIDE TO OUTSIDE O2 OXYGEN OD OUTSIDE DIAMETER OFF OUTSIDE FACE OFF OFFSET O/H OVER HEAD OP ORIFICE PLATE OPER OPERATOR OPI ORIFICE PLATE OPT OPTIONAL OVF OVERFLOW PIL PROPERTY LINE PISV PRESSURE AIR PBV PLASTIC BALL VALVE PC POINT OF CURVE PE PLAIN END PEP POLYETHYLENE PIPE PERM PERMEATE PG PRESSURE GAUGE PGL PROPOSED GRADE LINE PJ PUSH-ON JOINT PM PROCESS MECHANICAL PNV PINCH VALVE POB POINT OF BEGINNING POI POINT OF INTERSECTION POJ PUSH-ON JOINT POL POLYMER PPD POUNDS PER DAY PPM PARTS PER MILLION PREFAB PREFABRICATED PRES PRESSURE PRPP PRESSURE REDUCING VALVE PRW PROCESS WATER PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PT POINT OF TANGENCY PV PLUG VALVE PVC POLYVINYL CHLORIDE PVC-D POLYVINYLCHLORIDE (DOUBLE CONTAINED) PVDF POLYVINYLIDENE FLUORIDE (KYNAR) PVT PAVEMENT PW POTABLE WATER Q FLOW QTY QUANTITY R RIGHT R/W, R.O.W. RIGHT OF WAY RAD, R. RADIUS RAS RETURN ACTIVATED SLUDGE RAW RAW WATER RCB REINFORCED CONCRETE BOX RCP REINFORCED CONCRETE PIPE RCPA REINFORCED CONCRETE PIPE ARCH RCW RECLAIMED WATER REBAR REINFORCING STEEL RED REDUCER REU REUSE EFFLUENT WATER REF REFERENCE REINF REINFORCE(D)ING(MENT) REJ RO REJECT REQD REQUIRED REW RETURN EFFLUENT WATER RJ RESTRAINED JOINT (BELL) RMJ RESTRAINED MECHANICAL JOINT RNG RANGE RO REVERSE OSMOSIS ROC RADIUS OF CURVATURE RPM REVOLUTIONS PER MINUTE RPZBP REDUCED PRESSURE ZONE BACKFLOW PREVENTER RR RAILROAD RS RAW SEWAGE RW RECLAIMED WATER RWW RAW WASTEWATER S SOUTH S.F. SQUARE FOOT S.I. SQUARE INCH S.O. SIDE OPERATED S.STL STAINLESS STEEL S.Y. SQUARE YARD SA SAMPLE LINE SAN SANITARY SB-x (x = SB-1) SCH SCHEDULE SCV SILENT CHECK VALVE SD STORM DRAIN SDR STANDARD DIMENSION RATIO SE SOUTHEAST SEC SECTION SEFF SECONDARY EFFLUENT	SF SQUARE FOOT OR FEET SHT SHEET(ED)(ING) SIM SIMILAR SL SLUDGE SLV SLEEVE SM SHEET METAL SOL SOLUTION SP SOIL PIPE SPEC(S) SPECIFICATION(S) SPT-xx STANDARD PENETRATION TEST BORING (e.g. SPT-1) SQ SQUARE SS SANITARY SEWER SSE SUBSTANDARD EFFLUENT ST SAMPLE TAP STA STATION STD STANDARD STL STEEL STORM STORMWATER STR STRAIGHT SUP SUPERNATANT SV SOLENOID VALVE SVC SERVICE SWW SERVICE WATER SW SOUTHWEST SWD SIDEWATER DEPTH SYM SYMBOL SYMM SYMMETRICAL T&B TOP AND BOTTOM T.O.C. TOP OF CONCRETE T.O.S. TOP OF SLAB T.S. TAPPING SLEEVE T.V. TAPPING VALVE TAN TANGENT TBM TEMPORARY BENCH MARK TB-x TEST BORING-xx (e.g. TB-1) TDH TOTAL DYNAMIC HEAD TEL TELEPHONE TEMP TEMPORARY TH TEST HOLE THD THREADED THK THICK(NESS) TJ TIED JOINT TOB TOP OF BANK TOC TOP OF CURB TOS TOE OF SLOPE TS THICKENED SLUDGE TV TELEVISION TWP TOWNSHIP TYP TYPICAL UD UNDERDRAIN UG UNDERGROUND UGE UNDERGROUND ELECTRIC UON UNLESS OTHERWISE NOTED UNDERGROUND TELEPHONE CABLE UTL UTILITY UV ULTRAVIOLET VAC VACUUM VARIES VB VALVE BOX VC VERTICAL CURVE VCP VITRIFIED CLAY PIPE VEL VELOCITY VERT VERTICAL VFD VARIABLE FREQUENCY DRIVE VOL VOLUME VTR VENT THROUGH ROOF W WEST W.L. WATER LEVEL W.P. WALL PIPE (WITH WATER STOP) WI WITH W/O WITHOUT WAS WASTE ACTIVATED SLUDGE WCO WALL CLEAN OUT WF WIDE FLANGE WH WALL HYDRANT WM WATER MAIN WPR WORKING PRESSURE WS(P) WELDED STEEL (PIPE) WT WEIGHT WTF WATER TREATMENT FACILITY WTP WATER TREATMENT PLANT WW WASTEWATER WWF WELDED WIRE FABRIC WWM WELDED WIRE MESH WWTF WASTEWATER TREATMENT FACILITY WWTP WASTEWATER TREATMENT PLANT XFER TRANSFER XLHDPE CROSS LINKED HIGH-DENSITY POLYETHYLENE YD YARD(S) YH YARD HYDRANT YR YEAR(S)
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NOTE: THIS LEGEND IS FOR GENERAL REFERENCE. NOT ALL ABBREVIATIONS, SYMBOLS, PROCESSES, MATERIALS, OR FITTINGS MAY BE USED IN THIS DESIGN, NOR IS THIS LEGEND COMPREHENSIVE. REFER TO INDIVIDUAL DRAWING LEGEND(S) IF SYMBOLS ARE NOT LISTED. INDIVIDUAL DISCIPLINE STANDARD LEGENDS SUPERCEDE THIS GENERAL LEGEND, IF PROVIDED.

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PREPARED FOR
CITY OF COCOA BEACH

COCOA BEACH

FLORIDA

LICENSED PROFESSIONAL
A. TUCKER HUNTER
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DATE:

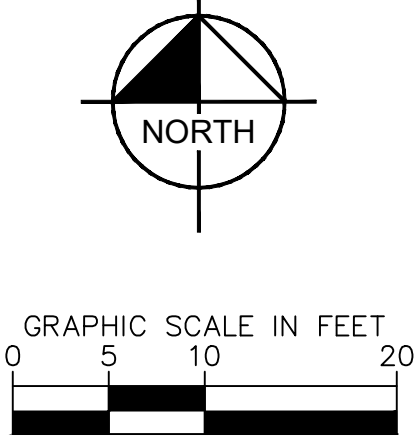
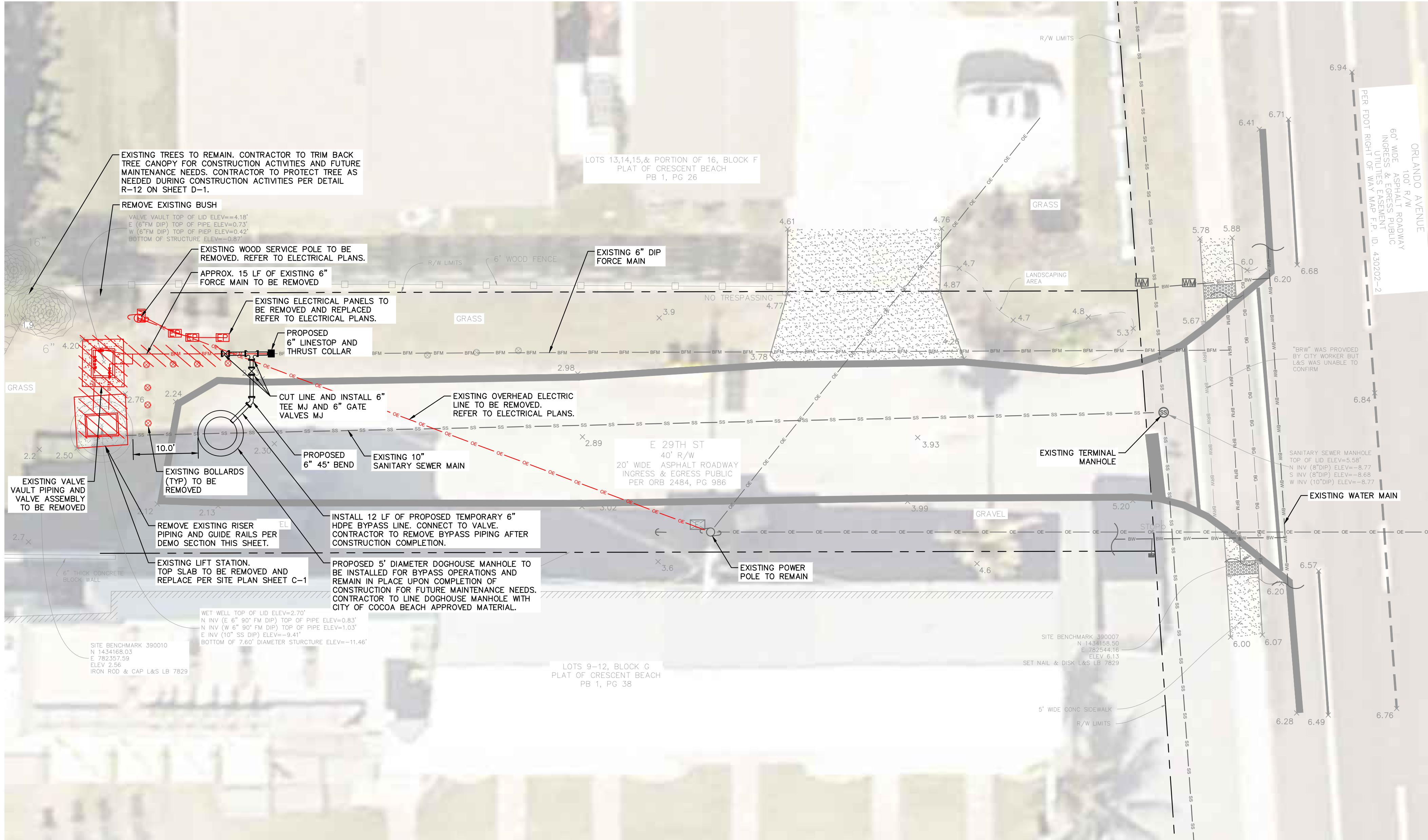
SYMBOLS AND ABBREVIATIONS

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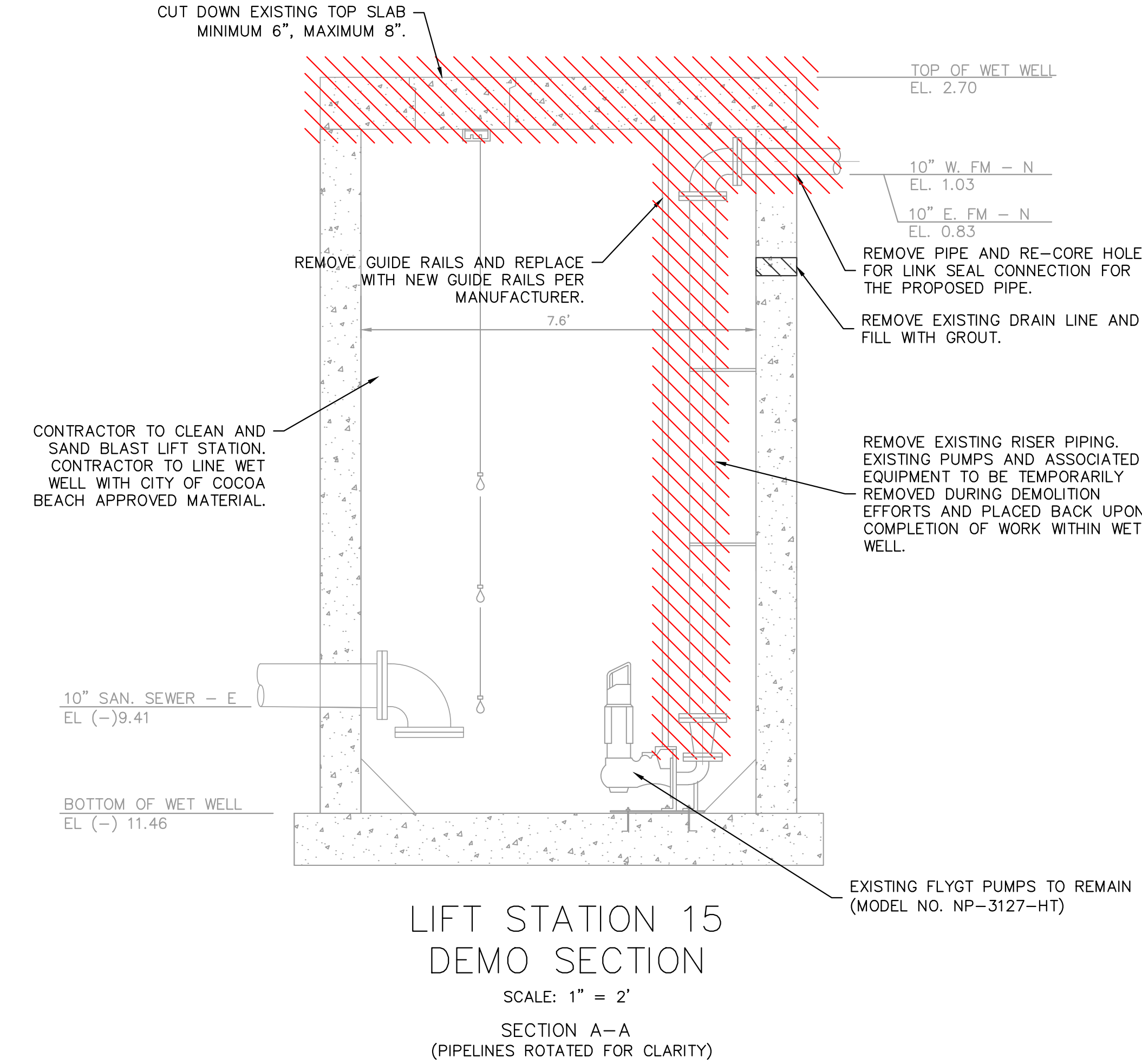
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Plotted By:McClure, Amanda Sheet Set:LIFT STATION 15 REHABILITATION Layout:DE-1 DEMO AND BYPASS PLAN May 09, 2025 12:42:51pm \\Kimley-Horn.com\\FL-ORL02\\ORL UTILITIES\\147965 - Cocoa Beach\\147965003 - LIFT Station 15 Rehabilitation\\CADD\\PlanSheets\\DE-1 DEMO PLAN.dwg

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LEGEND			
	DEMOLITION		PROPOSED BYPASS PIPE
	REMOVE EXISTING FORCE MAIN		PROPOSED LINESTOP
	REMOVE EXISTING BURIED FIBER TO ANTENNA		PROPOSED TEE
			PROPOSED GATE VALVE
			PROPOSED DOGHOUSE MANHOLE



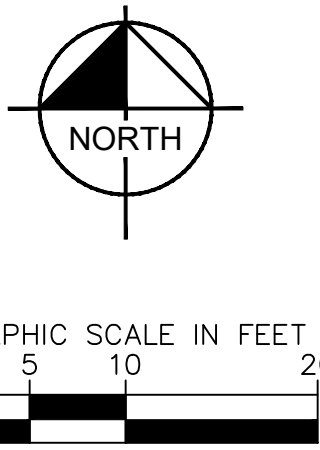
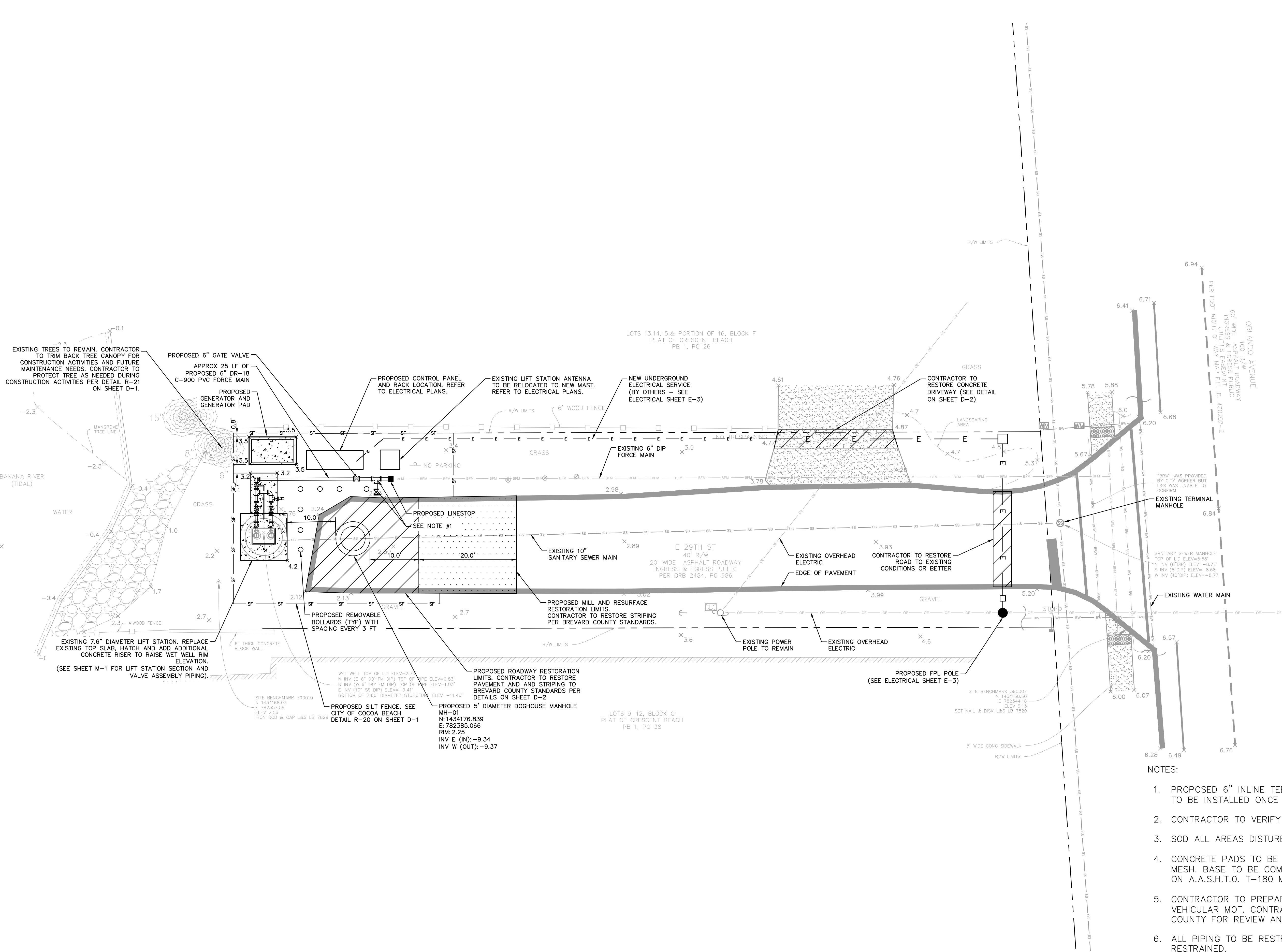
- SUGGESTED BYPASS PLAN:**
- *CONTRACTOR TO PROVIDE BYPASS PLAN TO CITY OF COCOA BEACH PRIOR TO CONSTRUCTION. PROPOSED BYPASS PLAN TO BE IN COMPLIANCE WITH CITY OF COCOA BEACH SPECIFICATIONS*
- CONTRACTOR TO INSTALL PROPOSED 5' DIAMETER DOGHOUSE MANHOLE. CONTRACTOR TO LINE DOGHOUSE MANHOLE WITH CITY OF COCOA BEACH APPROVED MATERIAL.
 - CONTRACTOR TO INSTALL 6" TEMPORARY HDPE BYPASS PIPING FROM DOGHOUSE MANHOLE TO PROPOSED 6" GATE VALVE.
 - CONTRACTOR TO INSTALL LINESTOP ON EXISTING 6" FORCE MAIN, CUT EXISTING 6" PIPE AND INSTALL 6" TEE, AND TWO (2) 6" GATE VALVES. CONTRACTOR TO INSTALL PIPING UP TO PROPOSED 6" TEE AND TWO (2) GATE VALVES. CONTRACTOR TO CONNECT 6" HDPE BYPASS PIPING TO 6" GATE VALVE.
 - CONTRACTOR TO PLUG WEST INVERT OF DOGHOUSE MANHOLE. CONTRACTOR TO INSTALL BYPASS PUMPS IN DOGHOUSE MANHOLE AND CONNECT TO BYPASS SYSTEM.
- NOTES:**
- CONTRACTOR TO COORDINATE WITH CITY OF COCOA BEACH WATER RECLAMATION DEPARTMENT AND BREVARD COUNTY RIGHT-OF-WAY DIVISION PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO SOD AND RESTORE ALL DISTURBED AREAS TO EXISTING CONDITIONS OR BETTER. CONTRACTOR TO PROVIDE TEMPORARY ASPHALT PATCH FOR TEMPORARY PIPING. FOLLOWING THE PIPE, THE CONTRACTOR TO FULLY RESTORE ASPHALT PER SHEET C-1.
 - CONTRACTOR TO COORDINATE WITH CITY OF COCOA BEACH WATER RECLAMATION DEPARTMENT ON SALVAGE MATERIALS AFTER DEMOLITION.
 - CONTRACTOR TO PREPARE MAINTENANCE OF TRAFFIC (MOT) PLANS FOR PEDESTRIAN AND VEHICULAR MOT. CONTRACTOR TO SUBMIT TO THE CITY OF COCOA BEACH AND BREVARD COUNTY FOR REVIEW AND APPROVAL.

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--	--	--	--	---

Plotted By:McLure, Amanda Sheet Set: LIFT STATION 15 REHABILITATION Layout: C-1 LIFT STATION 15 SITE AND GRADING PLAN May 09, 2025 11:30:56am \\kimley-horn.com\FL_ORL02_ORL UTILITIES\147965 - Cocoa Beach\147965003 - Lift Station 15 Rehabilitation\CADD PlanSheets\C-1 LIFT STATION 15 SITE AND GRADING

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LEGEND	
	PROPOSED WATER MAIN
	PROPOSED WATER METER
	PROPOSED FORCE MAIN
	PROPOSED LINESTOP
	PROPOSED TEE
	PROPOSED GATE VALVE
	PROPOSED DOGHOUSE MANHOLE
	EXISTING FORCE MAIN
	EXISTING FORCE MAIN
	EXISTING SANITARY SEWER
	EXISTING WATER MAIN
	EXISTING GAS
	EXISTING OVERHEAD ELECTRICAL
	EXISTING BURIED ELECTRICAL
	PROPERTY BOUNDARY LINE
	RIGHT OF WAY
	PROPOSED SILT FENCE
	CONCRETE PAD AND WALK RESTORATION LIMITS
	ROADWAY RESTORATION LIMITS
	MILL AND RESURFACE RESTORATION LIMITS

- NOTES:
1. PROPOSED 6" INLINE TEE AND 6" VALVE, GATE VALVE TO BE CLOSED AND RESTRAINED PLUG TO BE INSTALLED ONCE BYPASS OPERATIONS CEASE.
 2. CONTRACTOR TO VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 3. SOD ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES.
 4. CONCRETE PADS TO BE 6" THICK 3000 PSI CONCRETE AT 28 DAYS WITH 6X6 10/10 W.W. MESH. BASE TO BE COMPACTED AND TESTED TO 98% DENSITY WITH MINIMUM L.B..R. 40 BASED ON A.A.S.H.T.O. T-180 MODIFIED PROCTOR TEST.
 5. CONTRACTOR TO PREPARE MAINTENANCE OF TRAFFIC (MOT) PLANS FOR PEDESTRIAN AND VEHICULAR MOT. CONTRACTOR TO SUBMIT TO THE CITY OF COCOA BEACH AND BREVARD COUNTY FOR REVIEW AND APPROVAL.
 6. ALL PIPING TO BE RESTRAINED WITH MEGALUG FITTINGS OR EQUAL. ALL JOINTS TO BE RESTRAINED.
 7. CONTRACTOR TO COORDINATE WITH CITY OF COCOA BEACH AND ADJACENT PROPERTY OWNERS REGARDING SEQUENCE OF CONSTRUCTION AND IMPACTS TO EXISTING PARKING AND ACCESS FOR ADJACENT OWNERS/PRIORITIES.

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KHA PROJECT
147965003
DATE
MAY 2025
SCALE AS SHOWN
DESIGNED BY AJC
DRAWN BY DLC
CHECKED BY ATH

LIFT STATION 15 REHABILITATION

PREPARED FOR
CITY OF COCOA BEACH

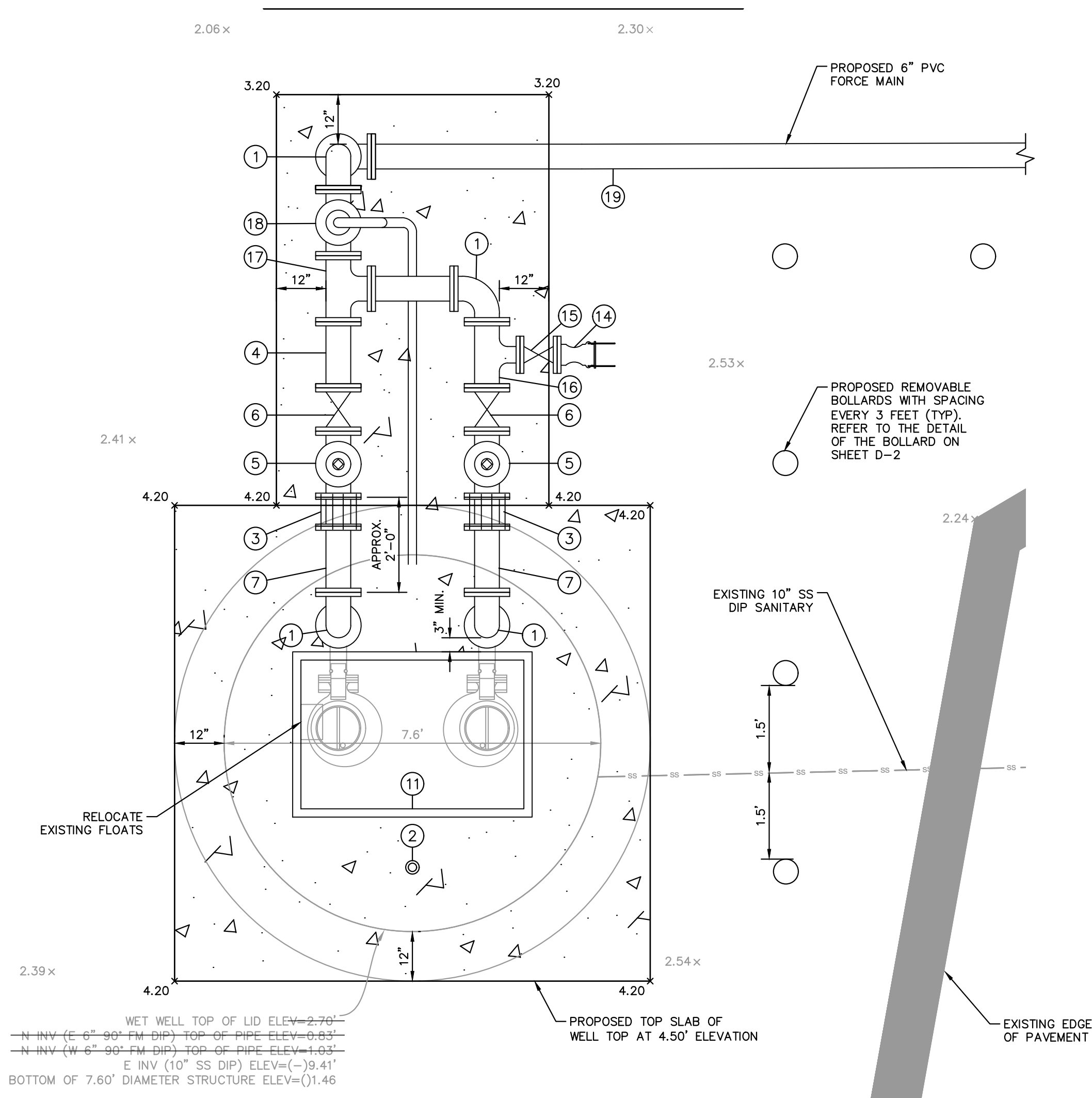
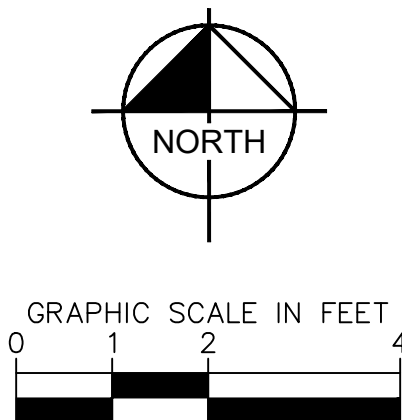
COCOA BEACH FLORIDA

LICENSED PROFESSIONAL
A. TUCKER HUNTER
FLORIDA LICENSE NUMBER
88634
DATE: ____

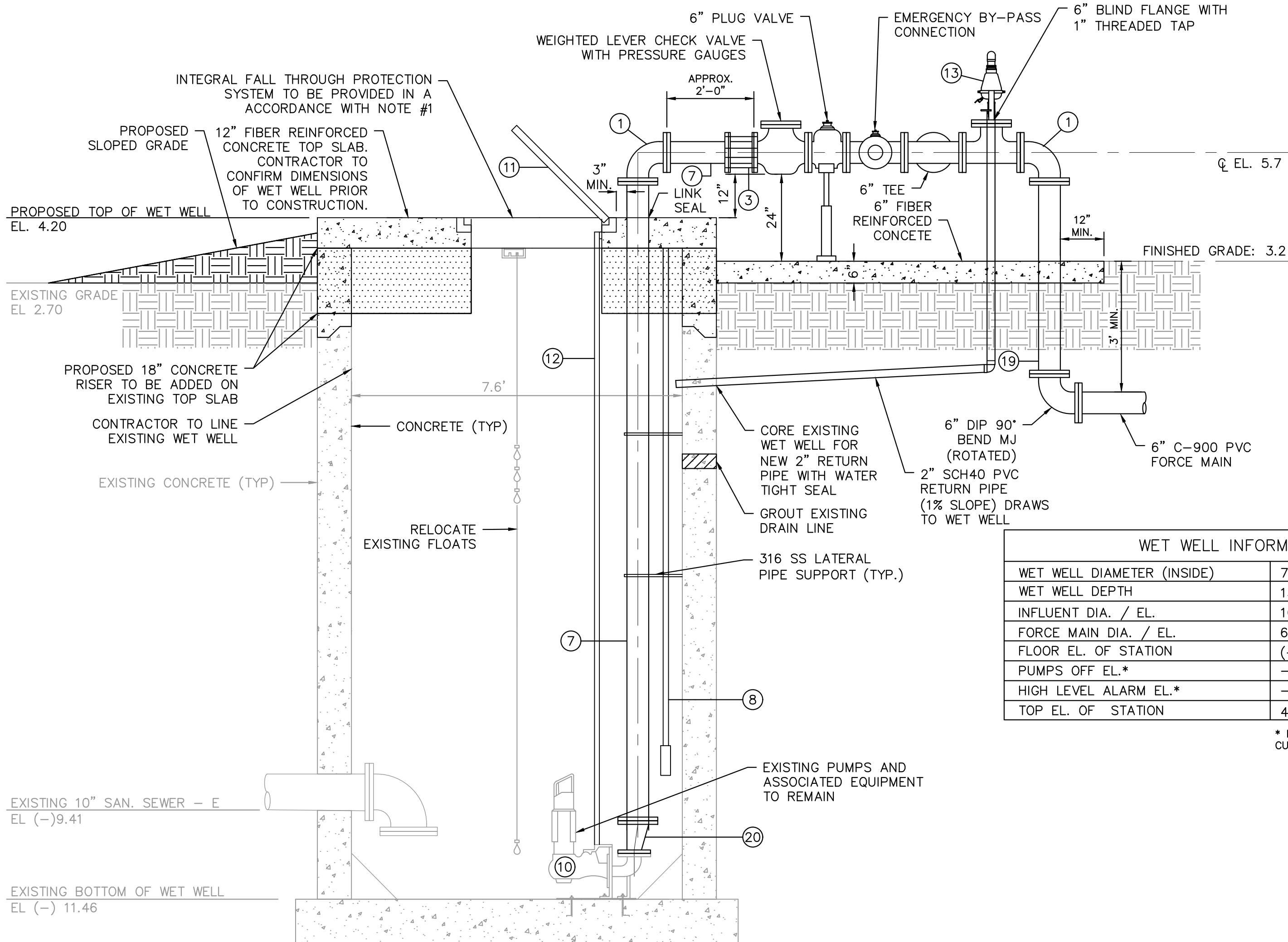
LIFT STATION 15 SITE AND GRADING PLAN

SHEET NUMBER
C-1

Plotted By:McLure, Amanda Sheet Set:LIFT STATION 15 REHABILITATION Layout:M-1 LIFT STATION 15 MECHANICAL PLAN May 09, 2025 11:31:09am \\kimley-horn.com\EL\OR\02\UTILITIES\47965 - Cocoa Beach\47965003 - Lift Station 15 MECHANICAL PLAN.dwg This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTE:
1. LIFT STATION NOTES AND DETAILS ARE TO BE USED IN COORDINATION WITH S-15 ON SHEETS D-1. THE NOTES AND DETAILS ON THIS SHEET SUPERCEDE ANY CONFLICTING INFORMATION FROM SHEET D-1.



(PIPELINES ROTATED FOR CLARITY)
SECTION
SCALE: 1" = 2'

LEGEND

- ① 6" SS 90° BEND, FLG
- ② 4" PVC SCHED 40 VENT PIPE WITH STAINLESS STEEL SCREEN AND CAP
- ③ 6" COUPLING ADAPTER, FLG
- ④ 6" SPOOL PIECE, FLG
- ⑤ 6" CHECK VALVE
- ⑥ 6" PLUG VALVE, FLG
- ⑦ 6" 316 SS, SCH 40 PIPING
- ⑧ TRANSDUCER
- ⑨ 6" DIP 90° BEND, FLG
- ⑩ EXISTING SUBMERSIBLE PUMPS TO REMAIN
- ⑪ 4.5'x3' ACCESS HATCH
- ⑫ 2" 316 SS GUIDE RAIL
- ⑬ 2" AIR/VACUUM RELEASE VALVE (ARI D-40)
- ⑭ 4" CAM LOCK
- ⑮ 4" PLUG VALVE, FLG
- ⑯ 6"x4" DI TEE, FLG
- ⑰ 6" SS TEE, FLG
- ⑱ 6" SS TEE, FLG WITH ARV ASSEMBLY AND 1" THREADED TAP ON 6" BLIND FLANGE
- ⑲ 6" DIP, FLG x PE
- ⑳ 6"x4" SS ECCENTRIC REDUCER, FLG

WET WELL INFORMATION:	
WET WELL DIAMETER (INSIDE)	7.6'
WET WELL DEPTH	15.96'
INFLUENT DIA. / EL.	10"/(-)9.41
FORCE MAIN DIA. / EL.	6"/6.50'
FLOOR EL. OF STATION	(-)11.46'
PUMPS OFF EL.*	---
HIGH LEVEL ALARM EL.*	---
TOP EL. OF STATION	4.50'

* FLOAT ELEVATIONS SHOWN MATCH CURRENT ELEVATIONS AT STATION.

NOTES:

- ACCESS HATCH SHALL INCLUDE AN INTEGRAL TWO LEAF FALL THROUGH PROTECTION SYSTEM. PROVIDE HAS TYPE LOCKING MECHANISM ON ALL ACCESS HATCHES. ALL HATCHES TO BE 300 P.S.F. LOAD RATED. COORDINATE WET WELL ACCESS HATCH LOCATION WITH PUMP MOUNTING LOCATION.
- VENT PIPE SHALL HAVE 8" CLEARANCE FROM TOP OF THE LIFT STATION SLAB.
- ALL PENETRATIONS THROUGH WET WELL WALLS SHALL BE SEALED WITH A NON-SHRINKING GROUT EXCEPT WHERE FLEXIBLE MANHOLE CONNECTORS ARE USED. NO PENETRATIONS ARE PERMITTED FOR LIFTING PURPOSES.
- ANCHOR BOLTS SHALL BE STAINLESS STEEL. ANCHOR TYPE AND METHOD OF INSTALLATION SHALL BE AS RECOMMENDED BY THE PUMP MANUFACTURER.
- JOINT SEAL SHALL BE APPLIED.
- ALL EXPOSED CONCRETE PENETRATIONS TO BE LINED OR COATED WITH APPROVED MATERIALS.
- A 4 1/2" PRESSURE GAUGE SHALL BE INSTALLED ON THE TOP OF EACH CHECK VALVE. THE GAUGES SHALL BE MOUNTED ON A 1/2" NPT BRASS NIPPLE WITH PETCOCK. GAUGES SHALL BE CALIBRATED IN PSI AND FEET OF HEAD INCREMENTS. STAINLESS STEEL DIAPHRAGM PROTECTORS SHALL BE PROVIDED.
- RANGE OF PRESSURE GAUGE SHALL BE APPROVED BY CITY OF COCOA BEACH WATER RECLAMATION DEPARTMENT STAFF.
- CONTRACTOR SHALL INSTALL VALVE ASSEMBLY ABOVE GROUND VALVE HAND WHEELS TO BE SECURED WITH 3/8" DIAMETER, EPOXY COATED, STAINLESS STEEL CABLE AND PADLOCK TO PREVENT UNAUTHORIZED OPERATION OF THE VALVES.
- ALL PIPES, INVERTS AND HATCHES TO BE THE SIZE AND KIND OF SPECIFIED ON THE SET OF APPROVED CONSTRUCTION PLANS.
- ALL HARDWARE INSIDE WET WELL TO BE STAINLESS STEEL.
- ALL PRESSURE PIPING TO BE RESTRAINED WITH MEGALUG FITTINGS OR EQUAL.
- ALL ABOVE GRADE PIPE VALVES AND FITTINGS SHALL BE 316SS, SCH 40
- ALL BELOW GRADE PIPE VALVES AND FITTINGS SHALL BE MECHANICAL JOINT (MJ)
- ALL JOINTS TO BE RESTRAINED.
- CONCRETE RISER TO BE PRECAST MONOLITHIC.
- ALL LOCATIONS WHERE PIPES ENTER OR LEAVE THE WET WELL SHALL BE MADE WATERTIGHT WITH WALL SLEEVE OR NON-SHRINK GROUT.

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KHA PROJECT
147965003

DATE
MAY 2025

SCALE AS SHOWN

DESIGNED BY
AJC

DRAWN BY
DLC

CHECKED BY
ATH

LIFT STATION 15 REHABILITATION

PREPARED FOR
CITY OF COCOA BEACH

COCOA BEACH FLORIDA

LICENSED PROFESSIONAL

A. TUCKER HUNTER

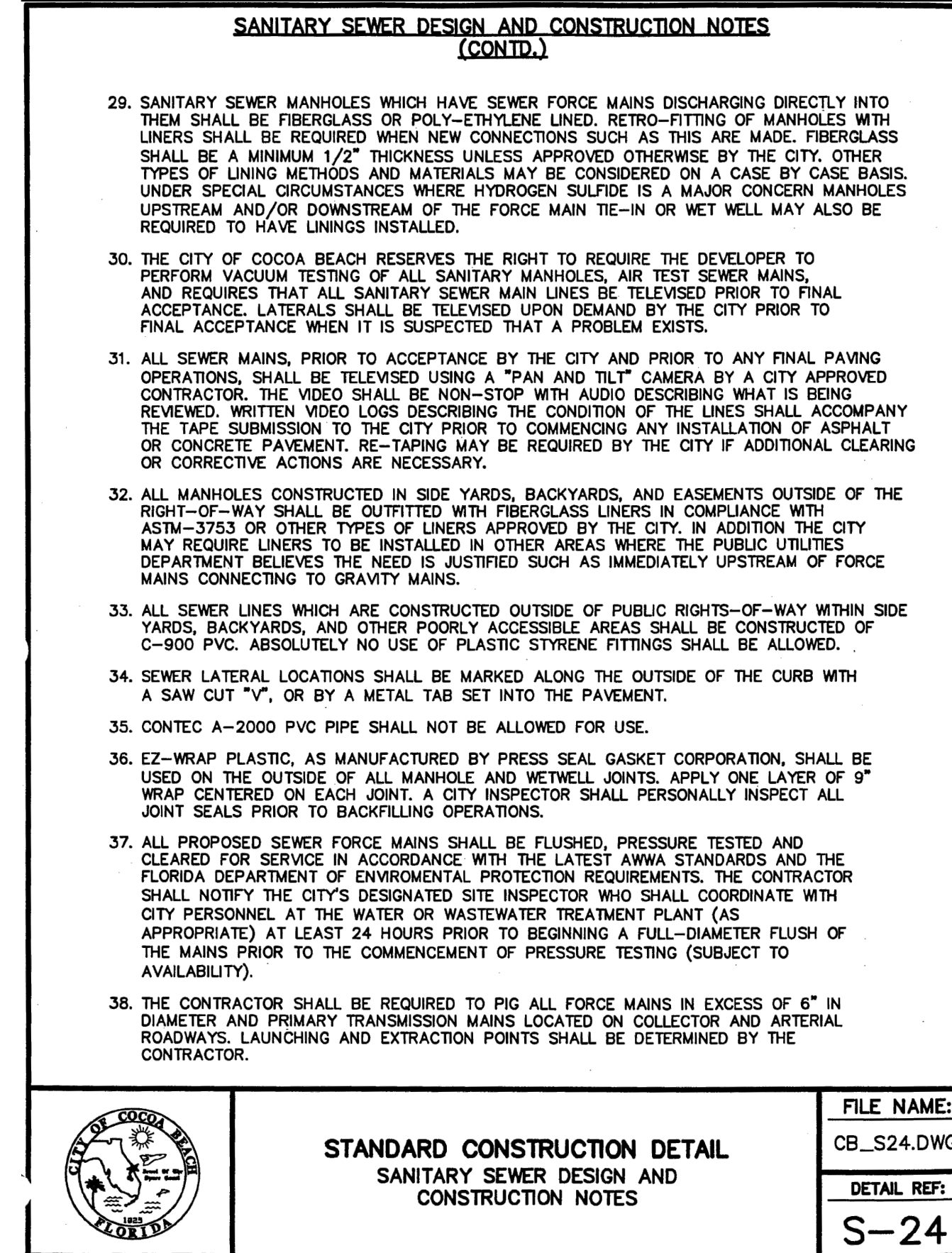
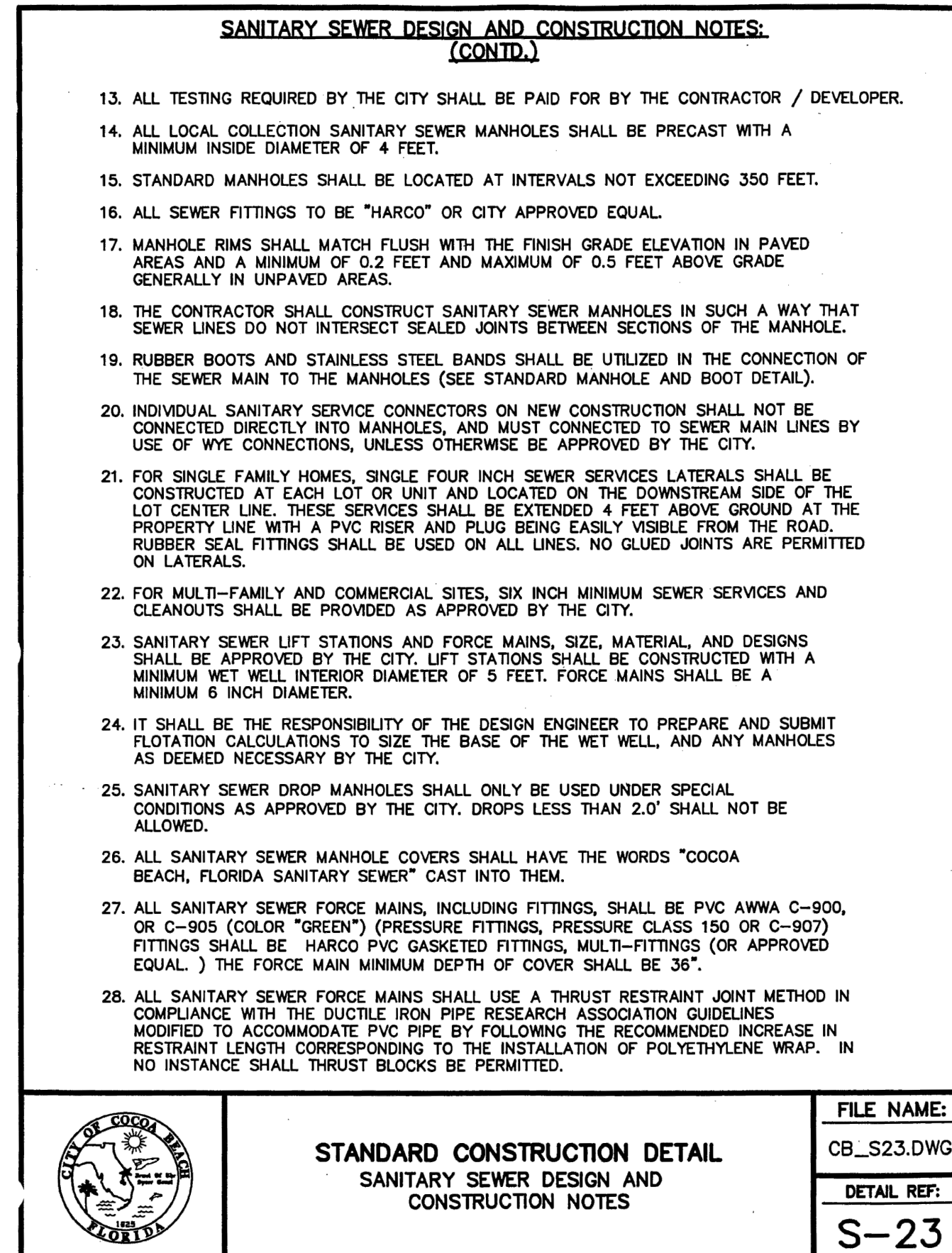
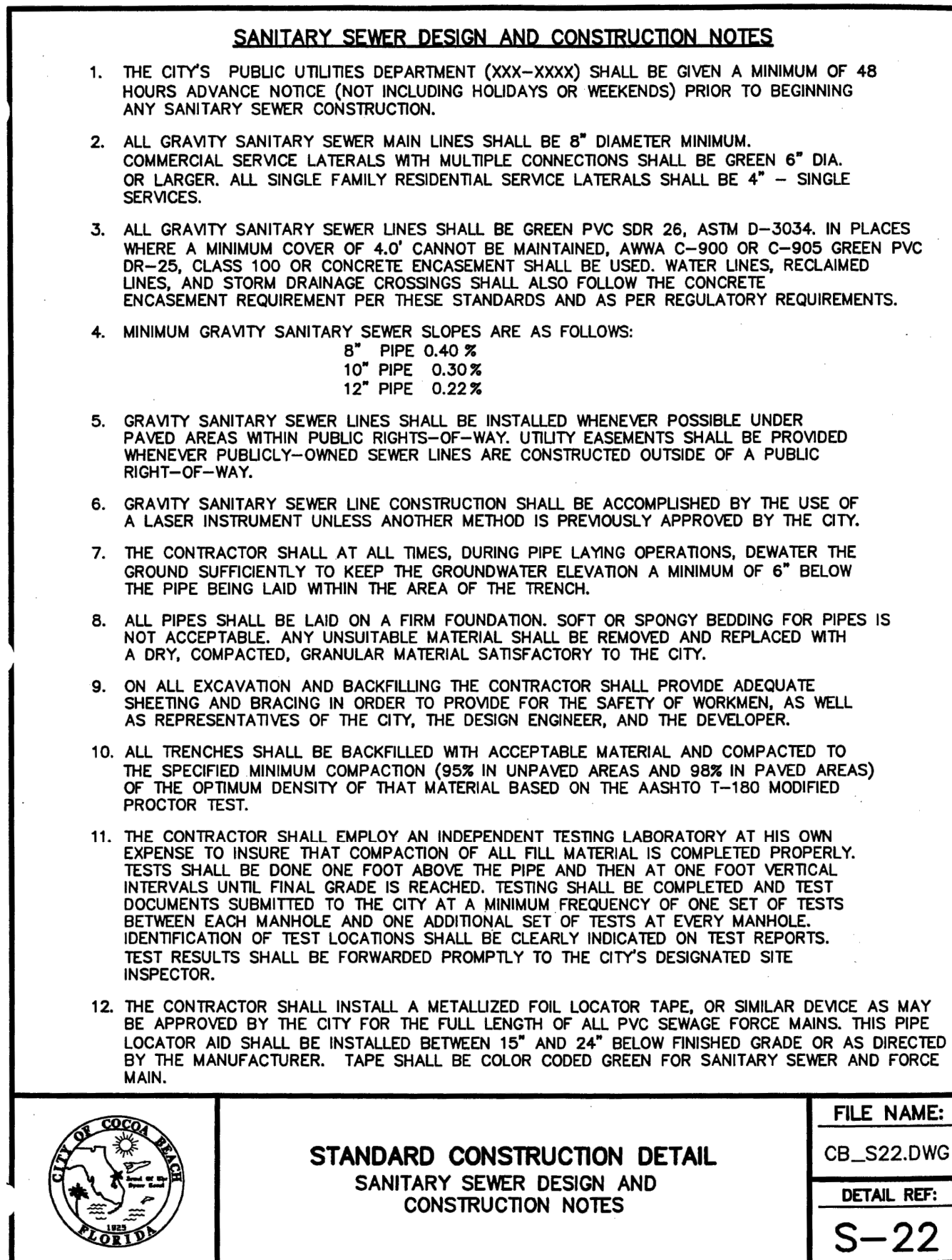
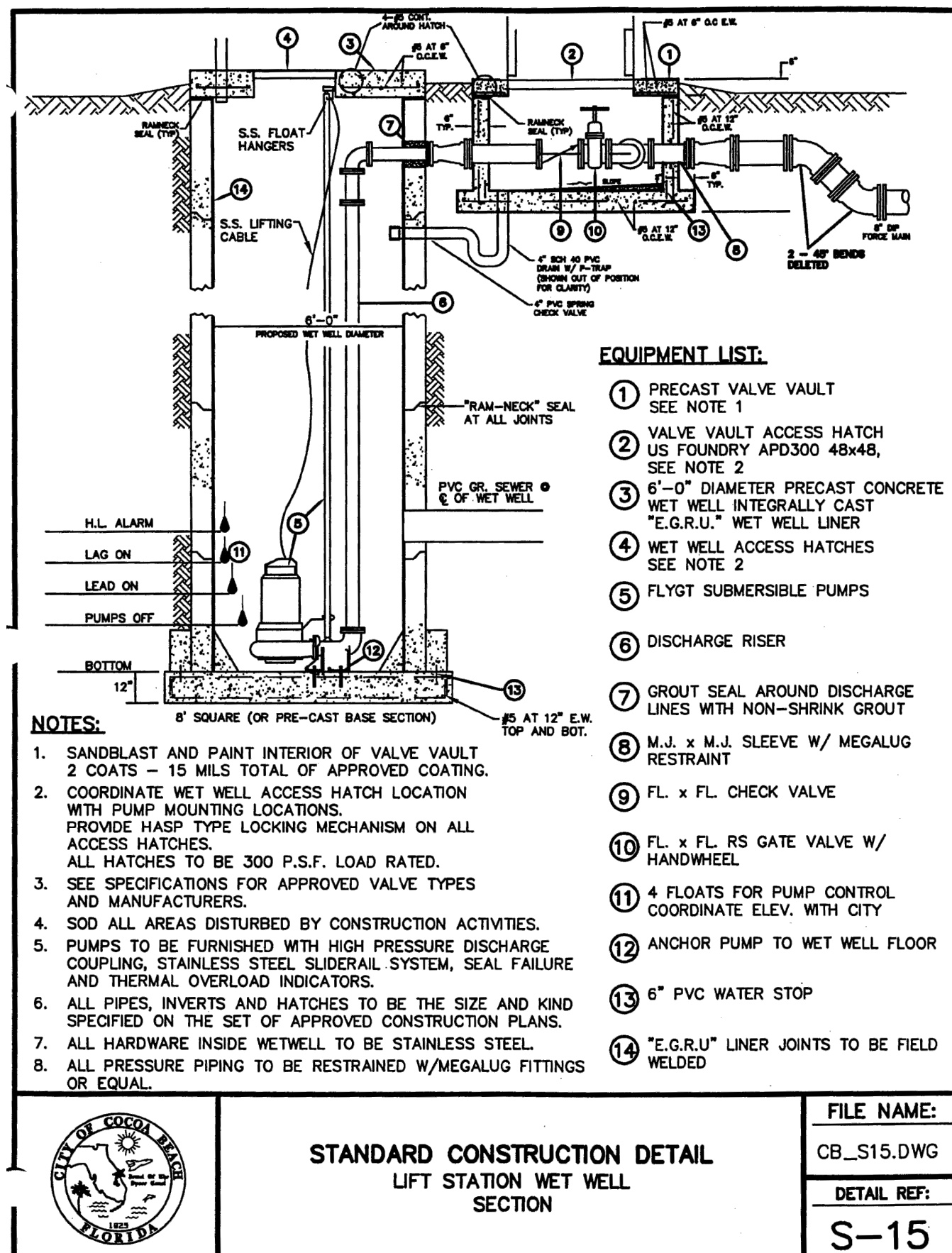
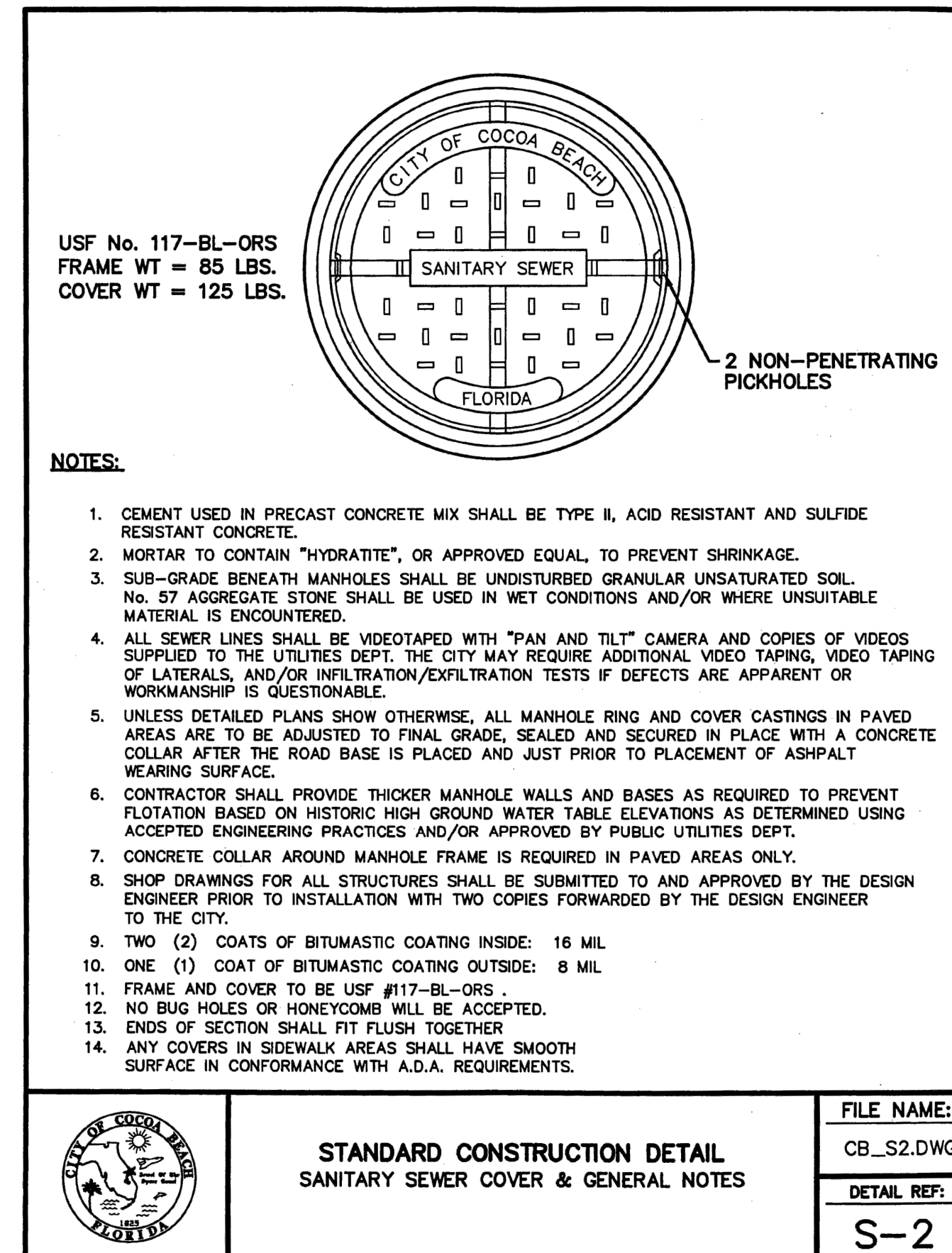
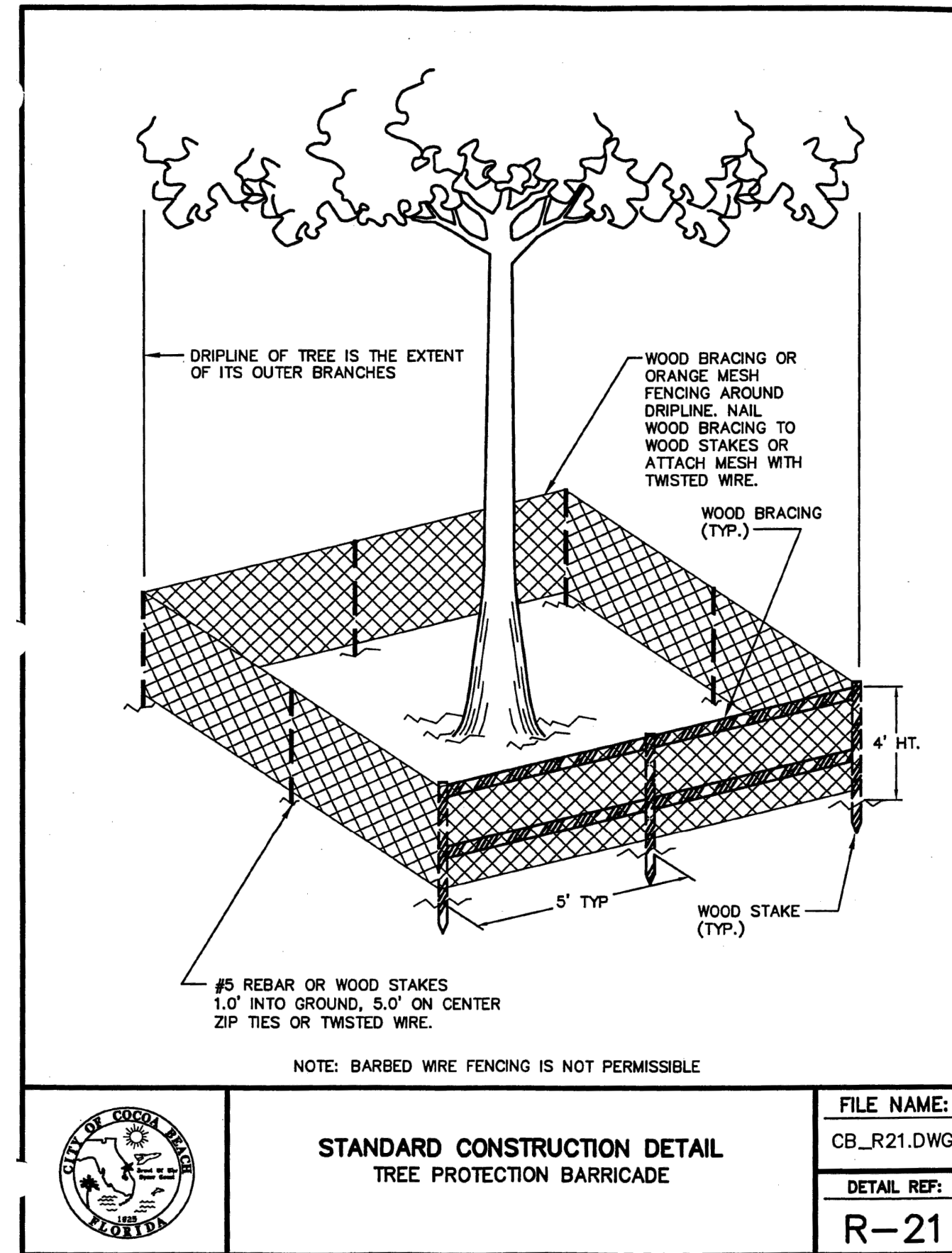
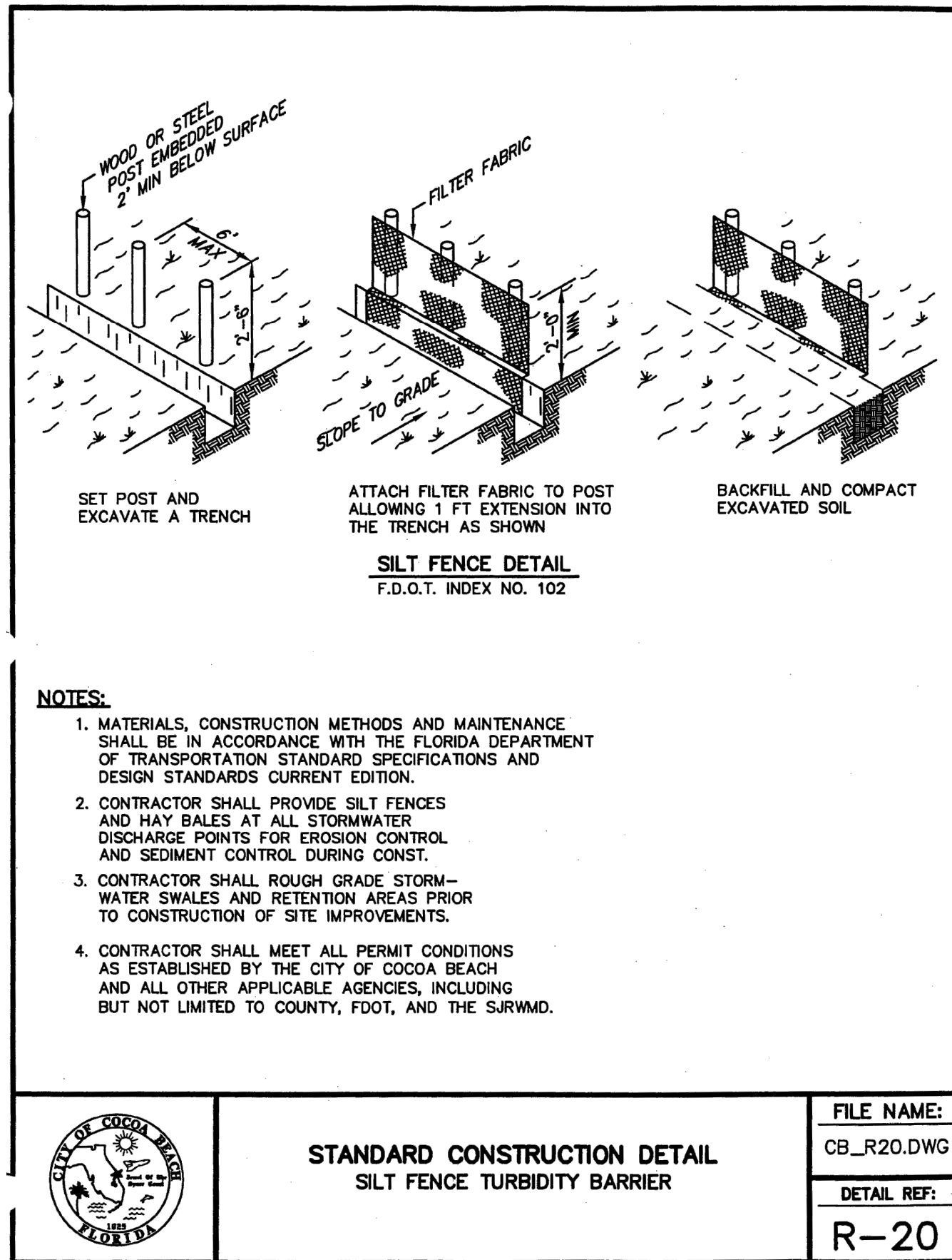
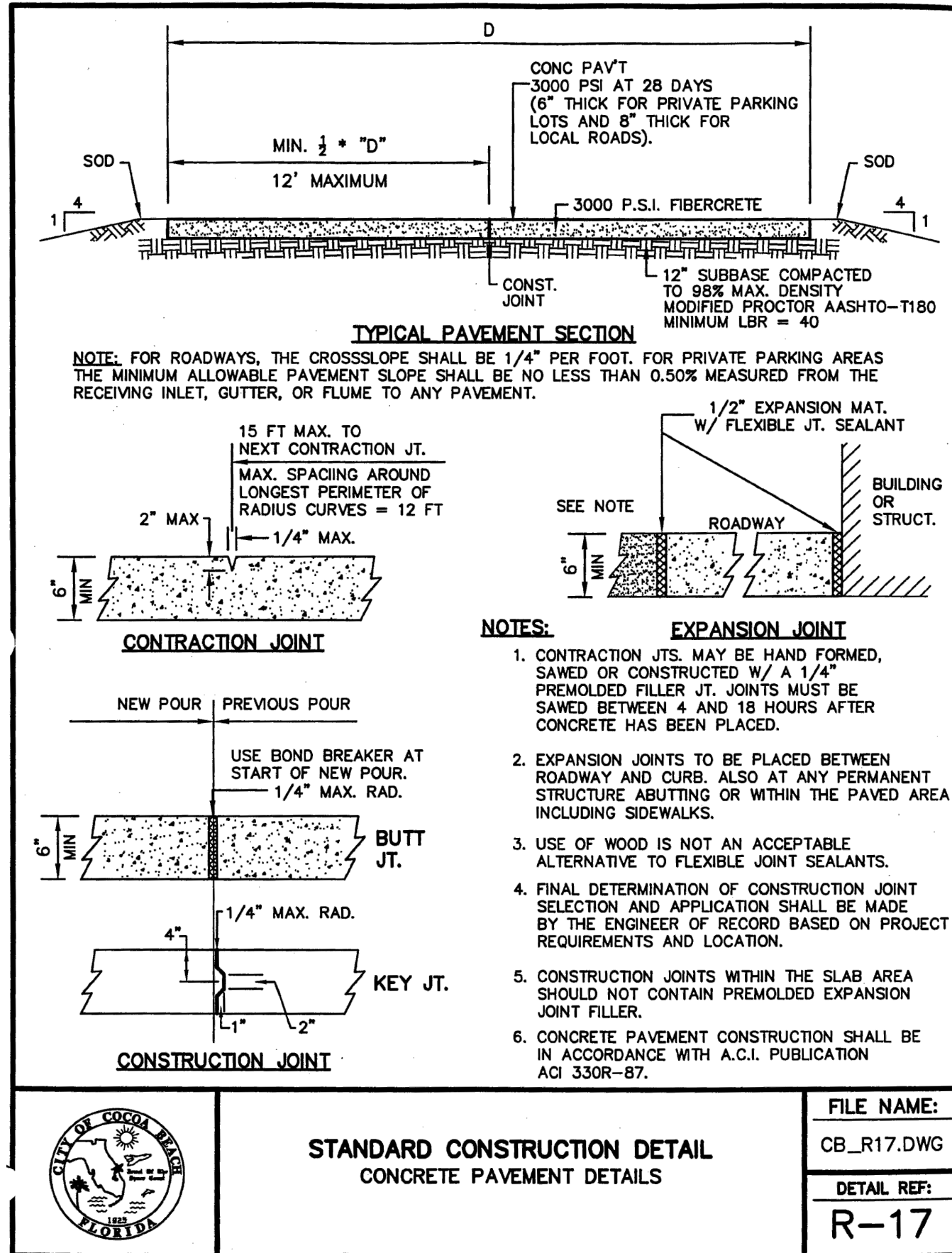
FLORIDA LICENSE NUMBER
88634

DATE: ----

LIFT STATION 15 MECHANICAL PLAN

SHEET NUMBER

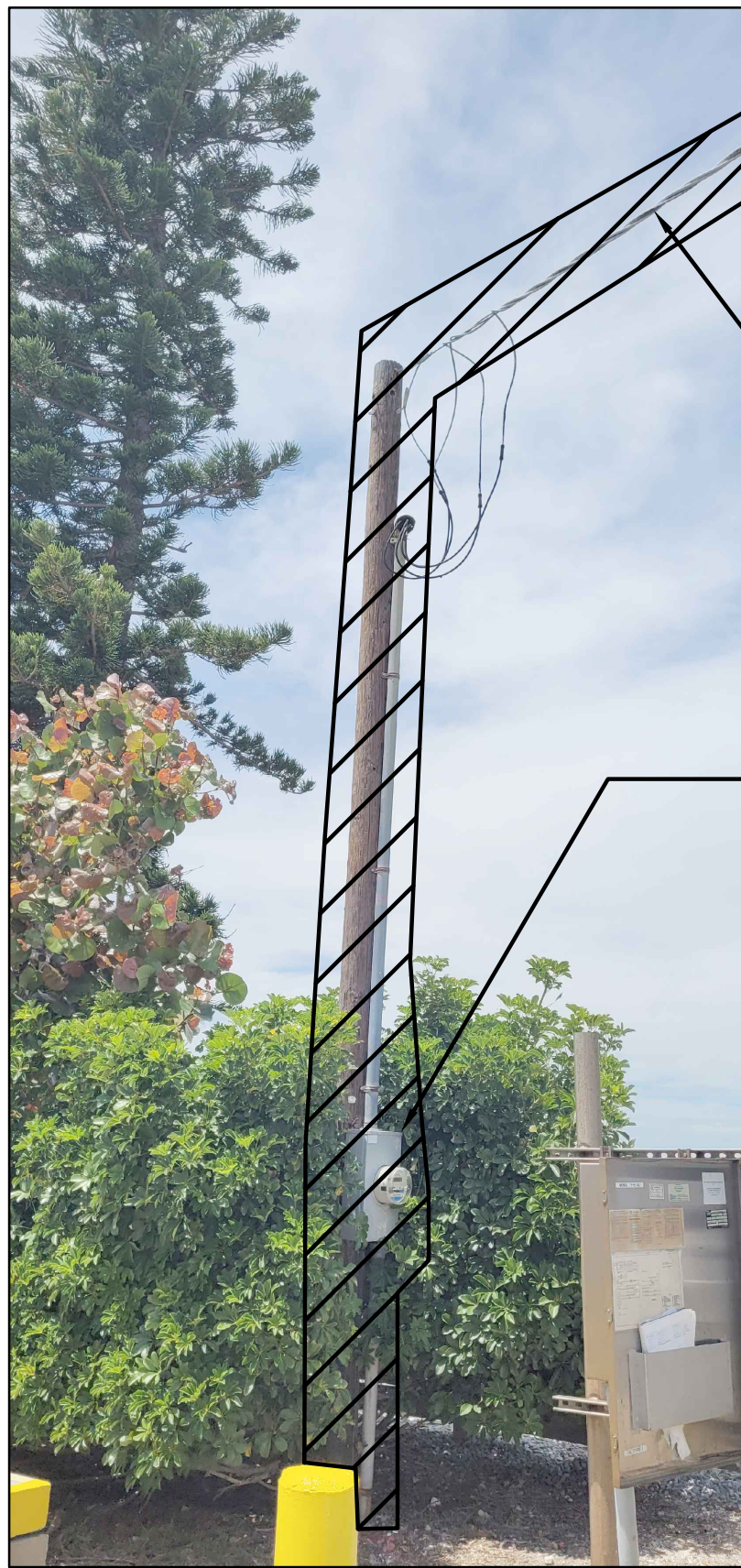
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Page 132 of 156

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ELECTRICAL DEMOLITION
PICTURE DETAIL 1

EXISTING LSCTP TO BE
DISCONNECTED & REMOVED

EXISTING DISCONNECT TO BE
DISCONNECTED & REMOVED

EXISTING OVERHEAD FPL
ELECTRICAL SERVICE TO
BE DISCONNECTED &
REMOVED

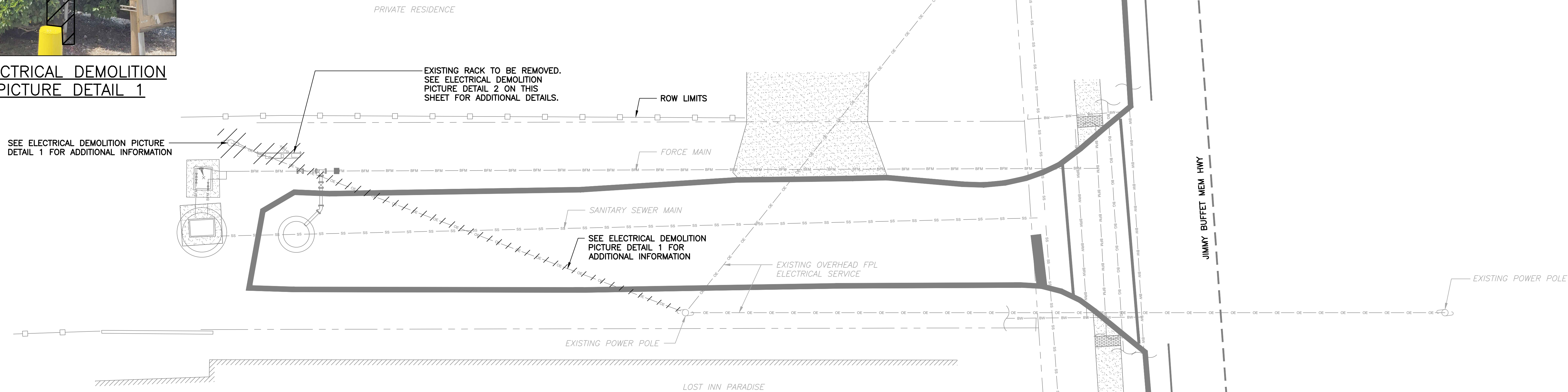
EXISTING FPL METER TO BE
DISCONNECTED & REMOVED.
EXISTING WOOD TO BE
REMOVED



ELECTRICAL DEMOLITION
PICTURE DETAIL 2

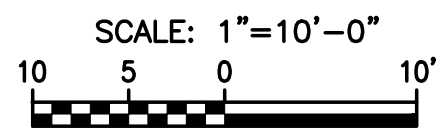
ANTENNA TO BE DISCONNECTED
& RELOCATED TO NEW MAST.
SEE SHEET E-5 FOR DETAILS.

EXISTING RTU TO BE
DISCONNECTED & REMOVED



SITE ADDRESS:
S 29TH STREET,
COCOA BEACH, FL 32931

ELECTRICAL SITE DEMOLITION PLAN



BID SET

10620 GRIFFIN ROAD, SUITE 202
COOPER CITY, FLORIDA 33328
PHONE: (954) 448-7830
C.O.A. NO. 6783
Stephen E. Bailey, P.E.
Florida P.E. No. 42461



No.	REVISIONS	DATE	BY

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KHA PROJECT
147965003
DATE
MAY 2025
SCALE AS SHOWN
DESIGNED BY JPL
DRAWN BY TJM
CHECKED BY SEB

LIFT STATION 15
REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH
CITY OF COCOA BEACH
FLORIDA

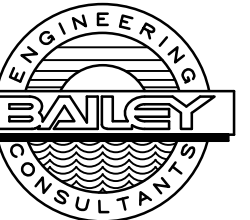
LICENSED PROFESSIONAL
STEPHEN E. BAILEY
42461
DATE:

LS15 ELECTRICAL
DEMOLITION SITE PLAN

SHEET NUMBER
E-2



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COOPER CITY, FLORIDA 33328
PHONE: (954) 448-7930
C.O.A. NO. 6783
Stephen E. Bailey, P.E.
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CITY OF COCOA BEACH

FLORIDA

LICENSED PROFESSIONAL

STEPHEN E. BAILEY

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DATE:

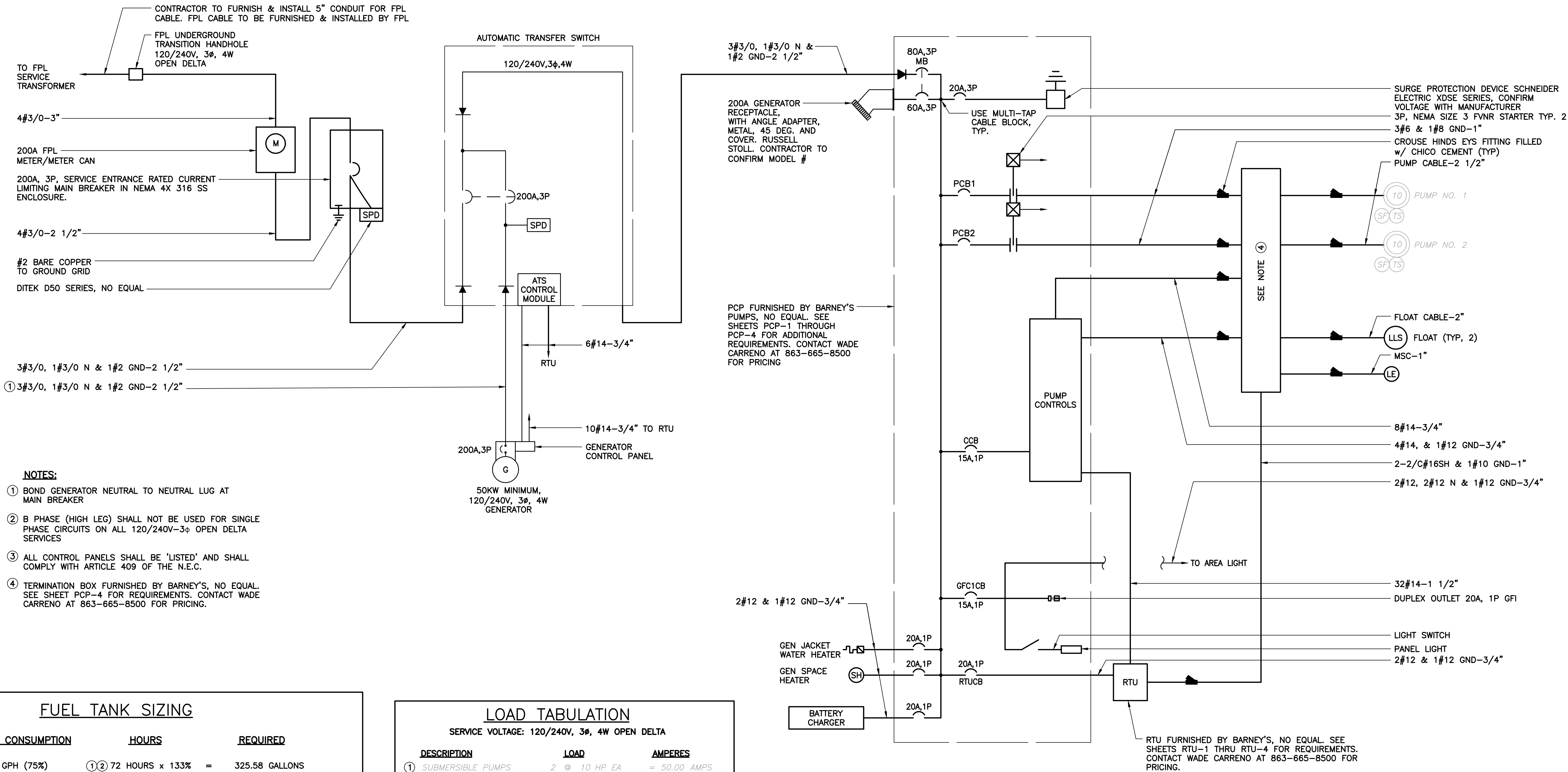
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FUEL TANK SIZING

FUEL CONSUMPTION	HOURS	REQUIRED
3.40 GPH (75%)	①② 72 HOURS x 133%	= 325.58 GALLONS
	MINIMUM TANK SIZE	= 500.00 GALLONS

NOTES:

- AS PER NFPA 110 TABLE 4.1(a), MINIMUM TIME, IN HOURS, FOR WHICH THE EMERGENCY POWER SYSTEM IS DESIGNED TO OPERATE AT ITS RATED LOAD WITHOUT BEING REFUELED.
- AS PER NFPA 110 5.5.3 - THE MAIN FUEL RESERVOIR SHALL HAVE A MINIMUM CAPACITY OF AT LEAST 133% OF THAT SPECIFIED IN TABLE 4.1(a).
- THE EMERGENCY SYSTEM IS A LEVEL 2 SYSTEM PER NFPA 4.4.2

LOAD TABULATION

SERVICE VOLTAGE: 120/240V, 3Ø, 4W OPEN DELTA

DESCRIPTION	LOAD	AMPERES
① SUBMERSIBLE PUMPS	2 @ 10 HP EA	= 50.00 AMPS
MISC. LOADS	-	= 10.00 AMPS
CONNECTED LOAD		= 60.00 AMPS

② SERVICE ENTRANCE = 60.00 AMPS + (.25)(25.00A) = 66.25 AMPS

NOTES:

- AMPACITIES PER MANUFACTURER'S DATA SHEETS OF THE MOTOR
- MINIMUM SERVICE ENTRANCE SIZE AS PER ARTICLE 230 OF THE NATIONAL ELECTRIC CODE.

SINGLE LINE DIAGRAM

BID SET

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LIFT STATION 15
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LICENSED PROFESSIONAL

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42461

DATE:

SINGLE LINE DIAGRAM

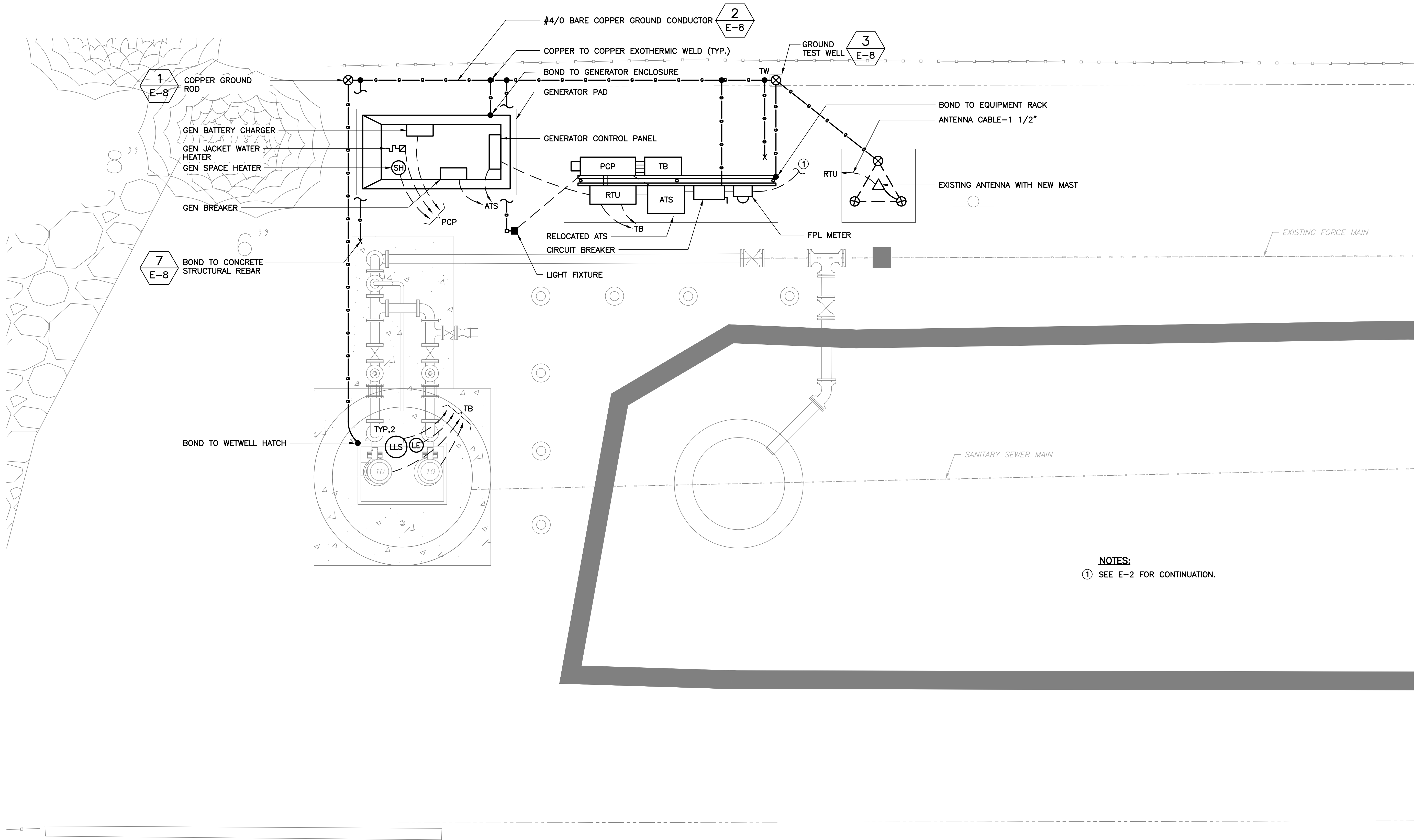
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E-4

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LIFT STATION 15 ELECTRICAL PLAN

SCALE: 3/8"=1'-0"
12" 0 1 2 4'

BID SET

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COOPER CITY, FLORIDA 33328
PHONE: (954) 448-7830
C.O.A. NO. 6783
Stephen E. Bailey, P.E.
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KHA PROJECT 147965003
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SCALE AS SHOWN
DESIGNED BY JPL
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LIFT STATION 15
REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH

CITY OF COCOA BEACH

FLORIDA

LICENSED PROFESSIONAL
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DATE:

LS15 ELECRICAL PLAN

SHEET NUMBER

E-5



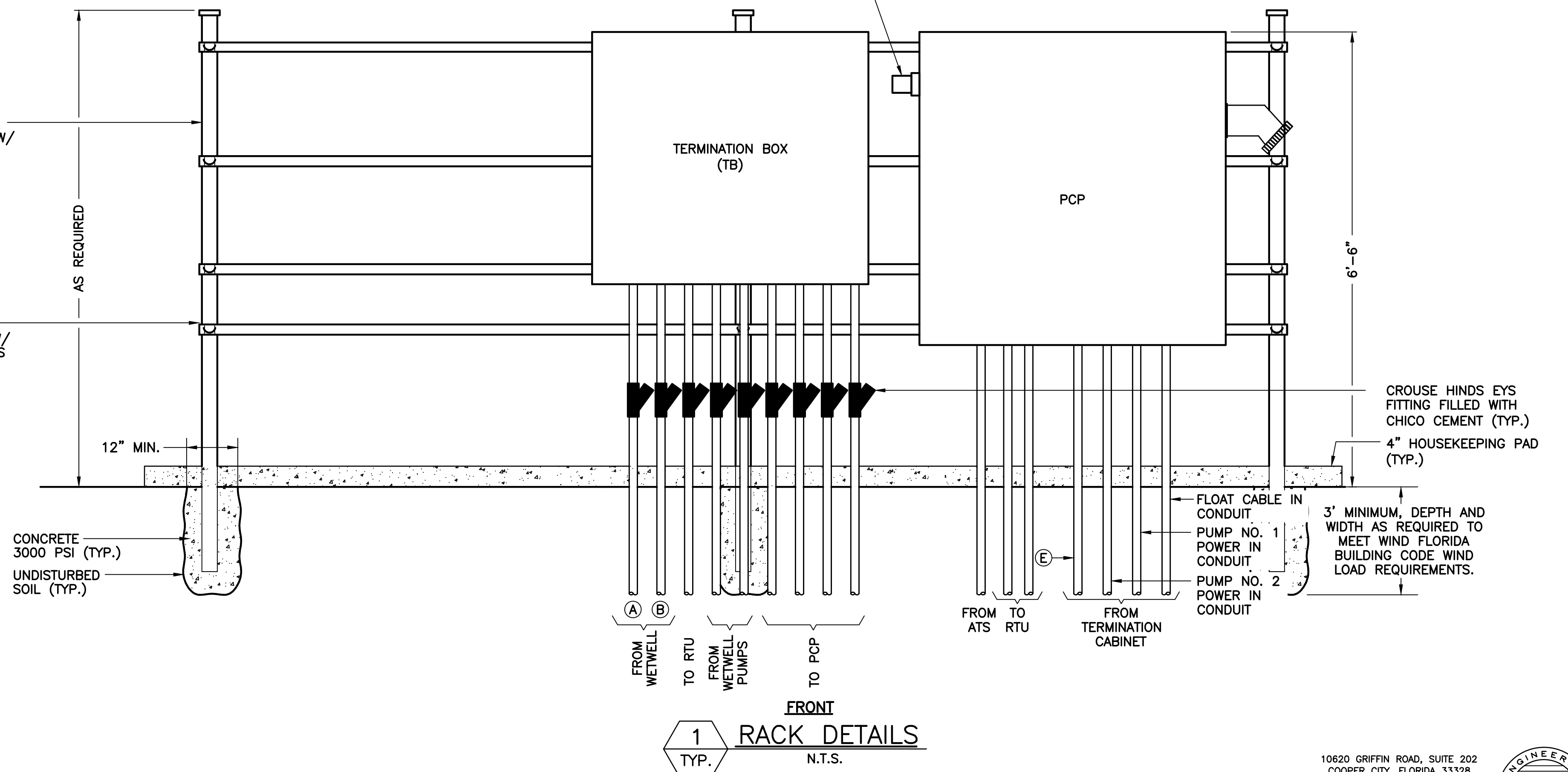
1" CONDUIT INSTALLED IN CONCRETE FOUNDATION FOR GROUND WIRE

ROHN R-SB45G
BASE SECTION

TOWER CENTERED ON FOUNDATION

#2 AWG BARE COPPER WIRE AND TOWER BASE COPPER GROUND CLAMP

- (A) FROM FLOATS, (TYP.2).
- (B) FROM LEVEL TRANSDUCER.
- (C) CONFIGURATION OF PLACEMENT OF ITEMS ON EQUIPMENT RACK AND IN THE WELL SHALL BE REVIEWED AND APPROVED AT DISCRETION OF CITY OF COCOA.
- (D) 3 POINT PADLOCKABLE LATCH.
- (E) PUMP NO. 1 & NO. 2 CONTROL CABLE IN CONDUIT.



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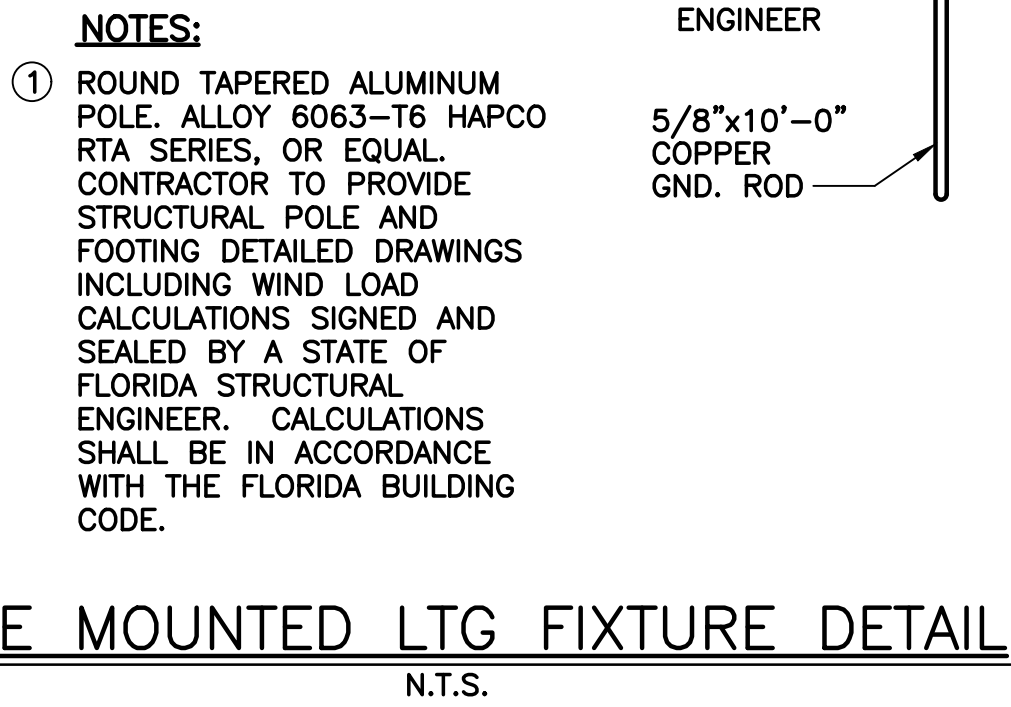


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LIFT STATION 15
REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH
CITY OF COCOA BEACH

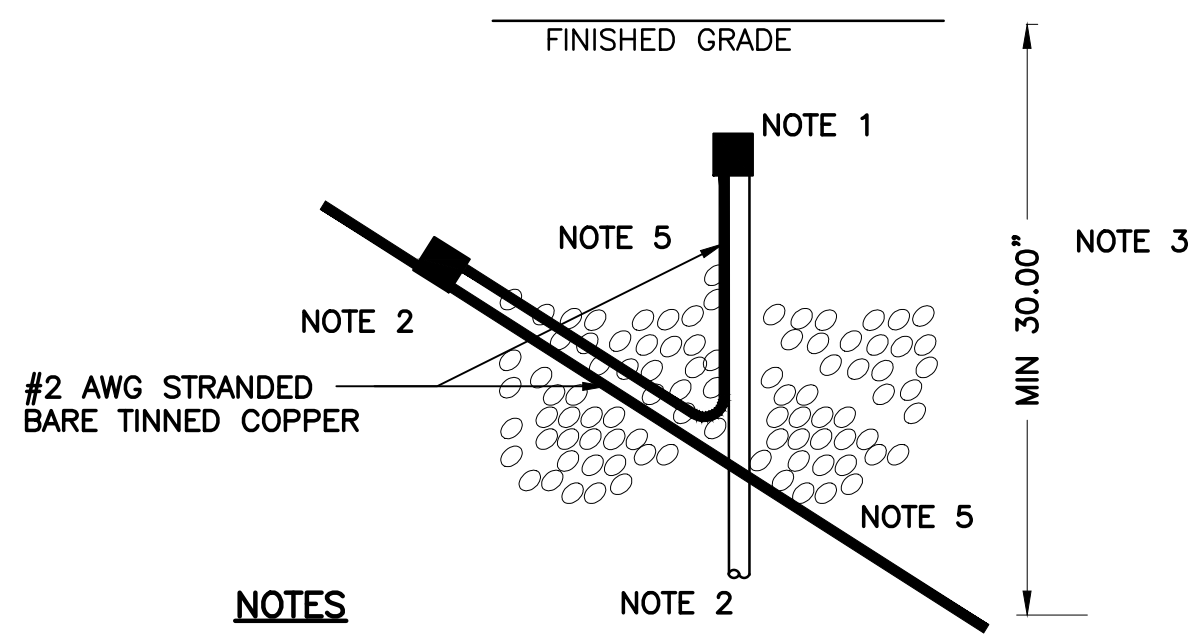
RACK DETAILS

三-6



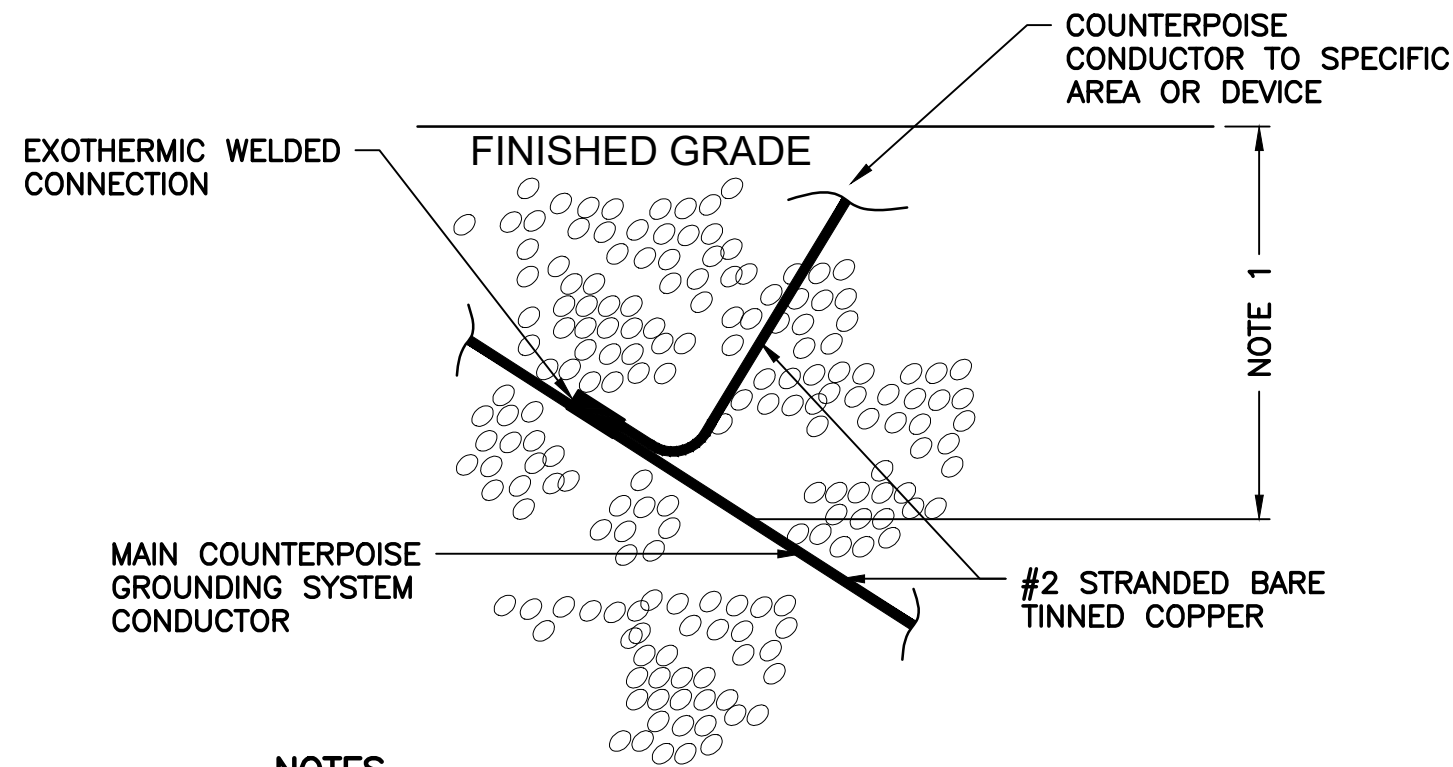
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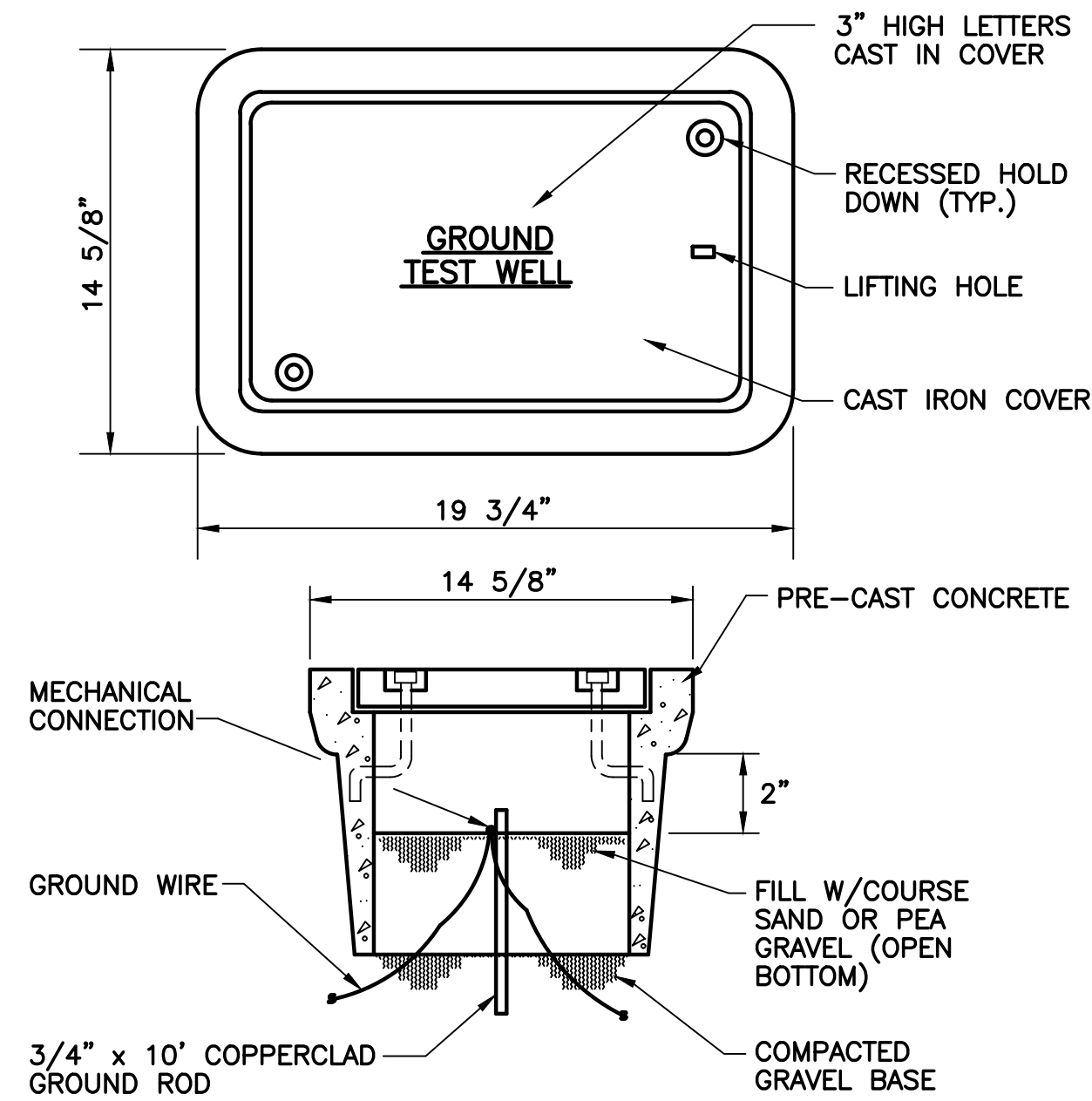
- NOTES**
- GROUND ROD TO COUNTERPOISE CONDUCTOR SHALL BE CONNECTED BY MEANS OF AN EXOTHERMIC WELD. GROUND ROD SHALL BE 3/4 INCH IN DIAMETER AND 10 FOOT LENGTH MINIMUM.
 - COUNTERPOISE CONDUCTOR TO CONDUCTOR CONNECTION SHALL BE CONNECTED BY MEANS OF EXOTHERMIC WELD AND THE CONDUCTOR FROM COUNTERPOISE LENGTH TO GROUND ROD SHALL HAVE A MINIMUM OF 36 INCHES.
 - UNDERGROUND INSTALLATION OF COUNTERPOISE SYSTEM SHALL BE BURIED AT A MINIMUM DEPTH OF 30 INCHES.
 - ALL COMPONENTS USED IN INSTALLATION WITHIN SHALL COMPLY WITH SPECIFICATION 26 05 26.
 - #2 AWG STRANDED BARE TINNED COPPER CONDUCTOR

1
TYP. COUNTERPOISE GROUND ROD CONNECTION DETAIL
N.T.S.

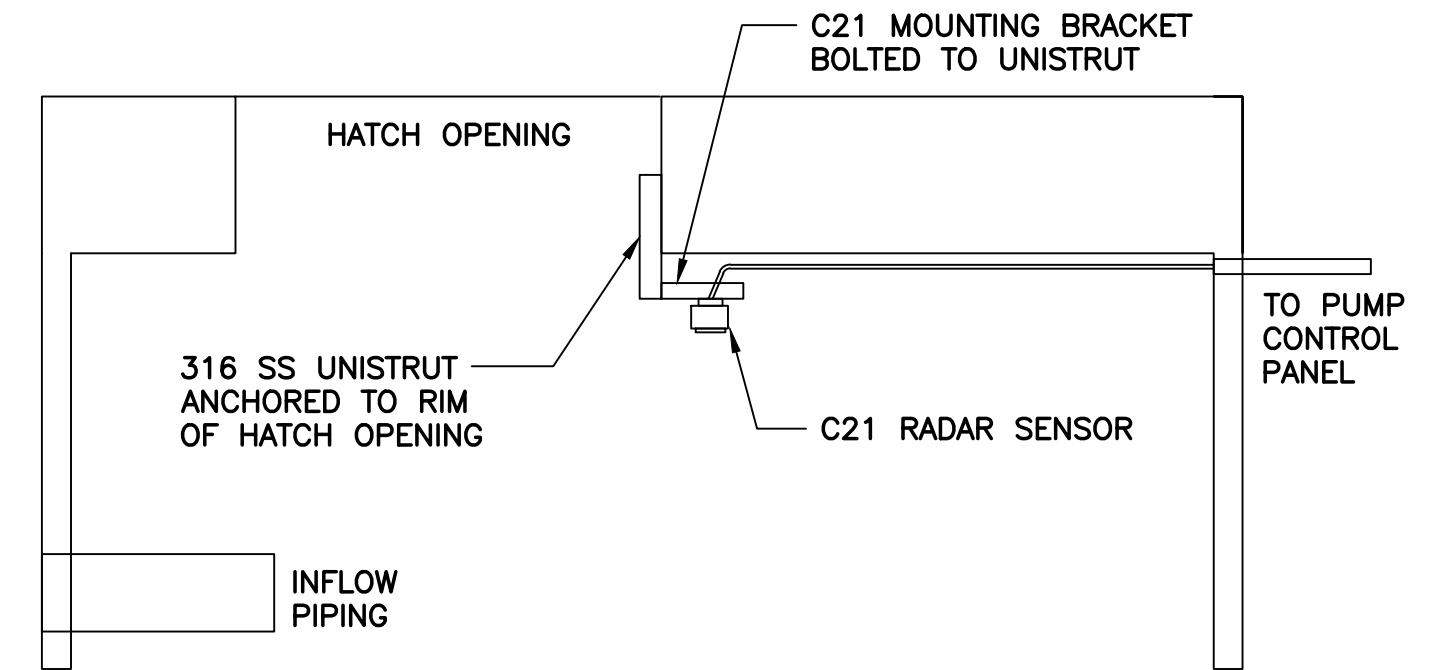


- NOTES**
- UNDERGROUND INSTALLATION OF COUNTERPOISE SYSTEM SHALL BE BURIED AT A MINIMUM DEPTH OF 30 INCHES.
 - ALL COMPONENTS USED IN INSTALLATION WITHIN SHALL COMPLY WITH SPECIFICATION 26 05 26.

2
TYP. COUNTERPOISE CONDUCTOR CONNECTION DETAIL
N.T.S.

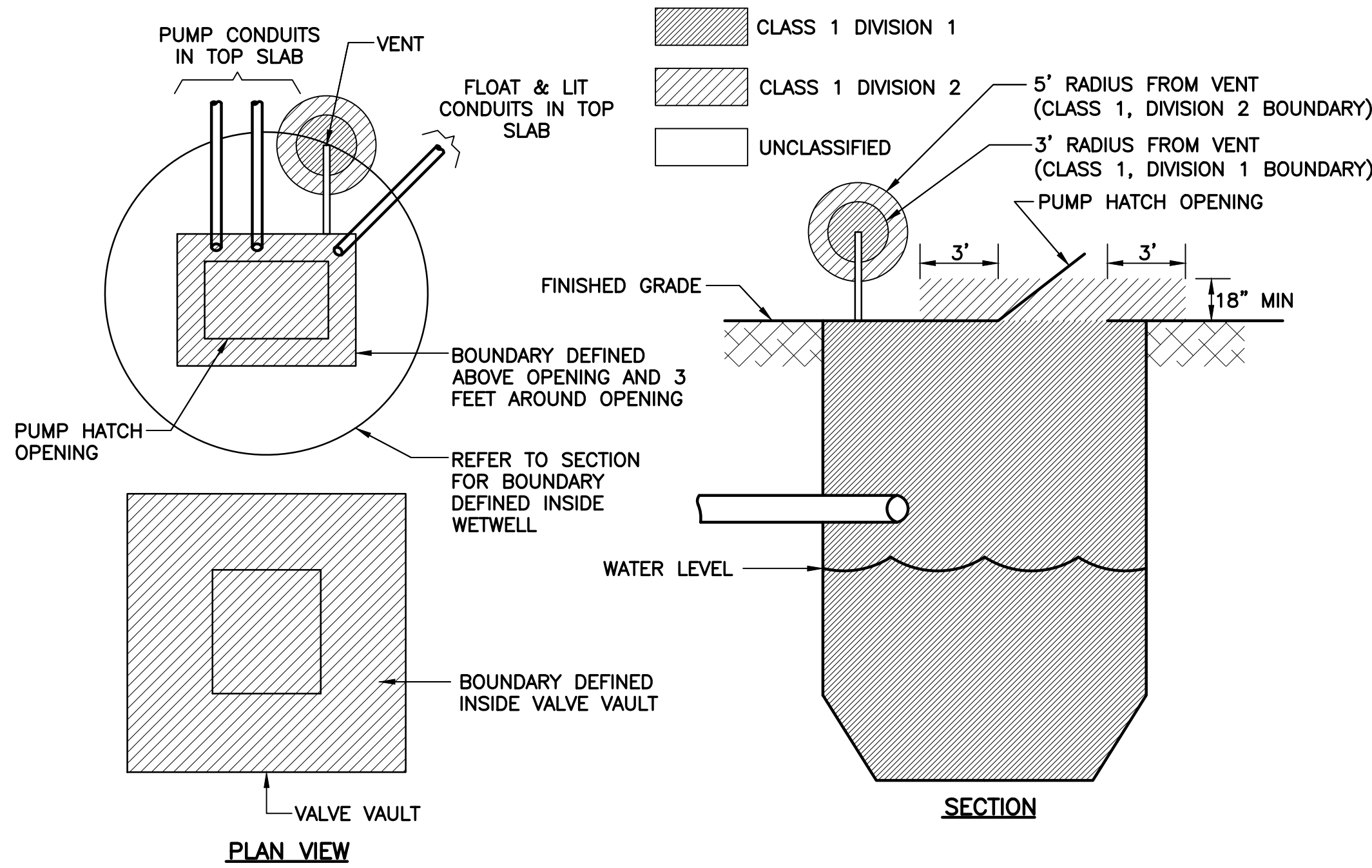


3
TYP. GROUND TEST WELL
N.T.S.

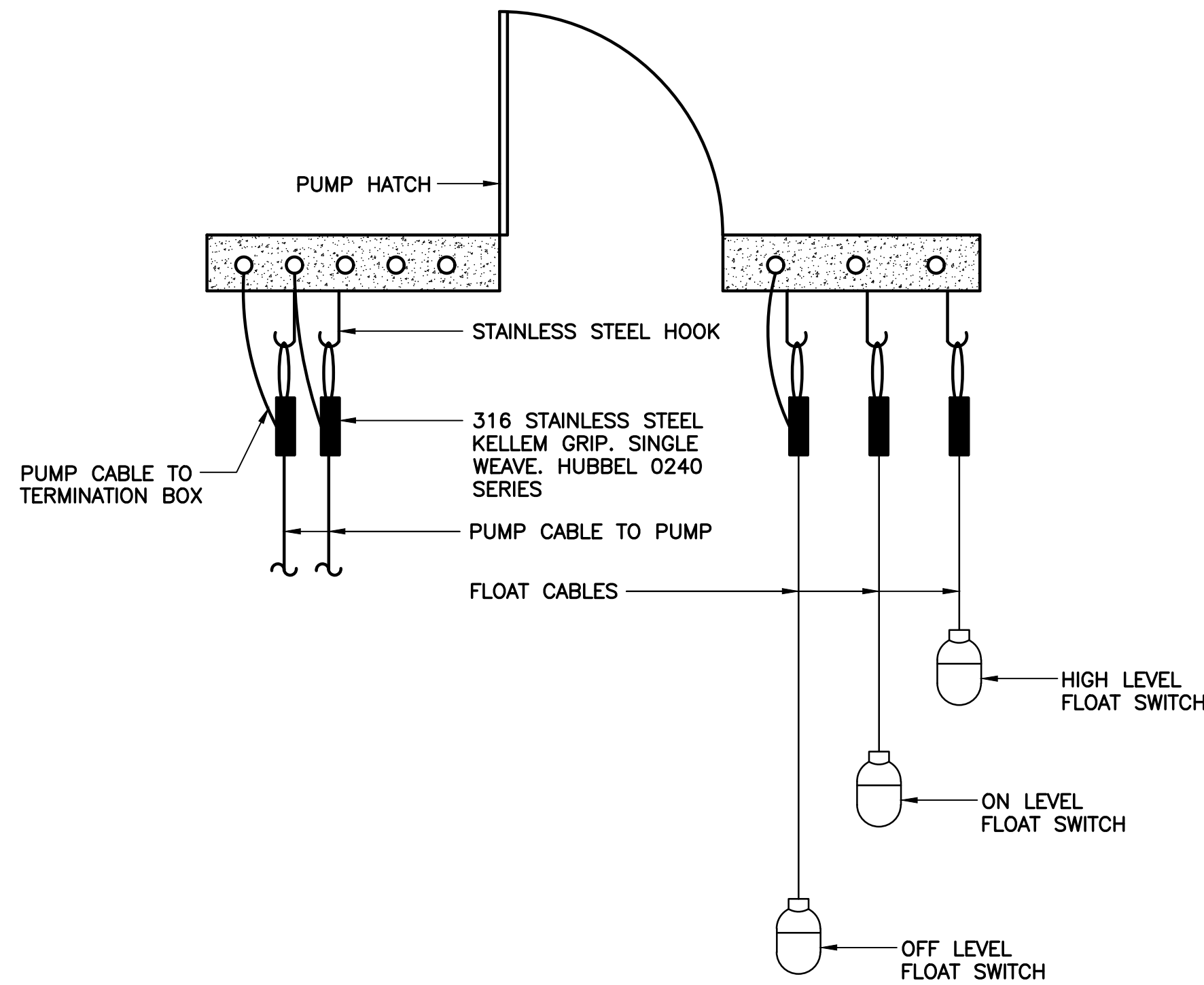


- NOTES:**
- THE C21 RADAR SENSOR SHALL BE MOUNTED PER MANUFACTURER'S REQUIREMENTS, IN AN AREA FREE FROM OBSTRUCTION AND AWAY FROM THE INFLOW PIPING

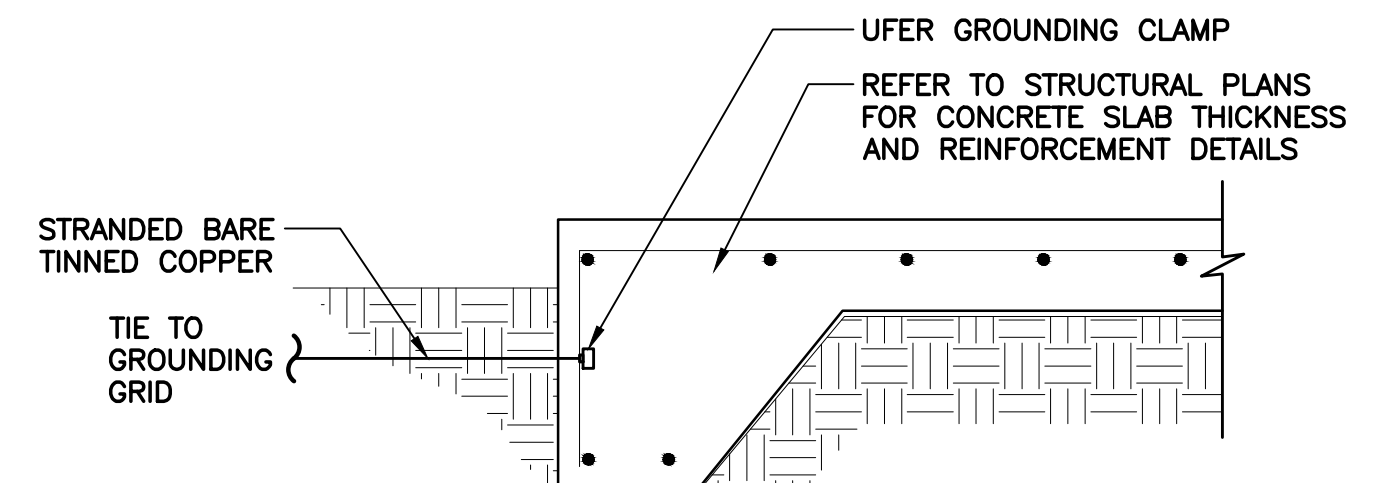
4
TYP. VEGAPULS C21 MOUNTING DETAIL
N.T.S.



5
TYP. BOUNDARY CLASSIFICATION
N.T.S.



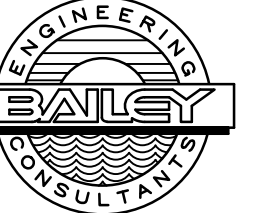
6
TYP. PUMP CABLE MOUNTING DETAIL
N.T.S.



7
TYP. CONCRETE SLAB GROUNDING DETAIL
N.T.S.

BID SET

10620 GRIFFIN ROAD, SUITE 202
COOPER CITY, FLORIDA 33328
PHONE: (954) 448-7830
C.O.A. NO. 6783
Stephen E. Bailey, P.E.
Florida P.E. No. 42461



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PHONE: 321-430-1138
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT
147965003
DATE
MAY 2025
SCALE AS SHOWN
DESIGNED BY JPL
DRAWN BY TJM
CHECKED BY SEB

LIFT STATION 15
REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH
FLORIDA

LICENSED PROFESSIONAL
STEPHEN E. BAILEY
42461
DATE:

ELECTRICAL DETAILS-2

SHEET NUMBER

E-8

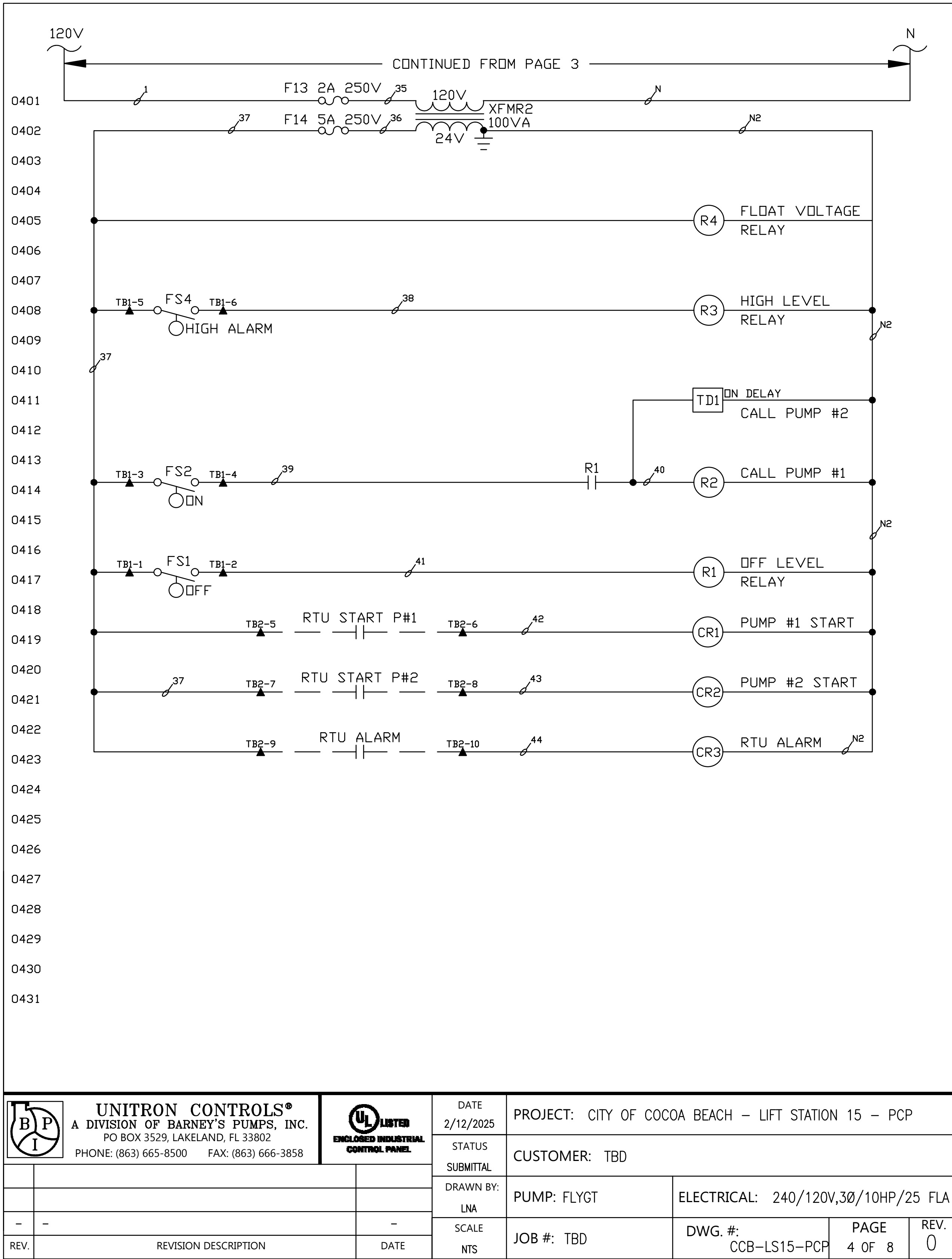
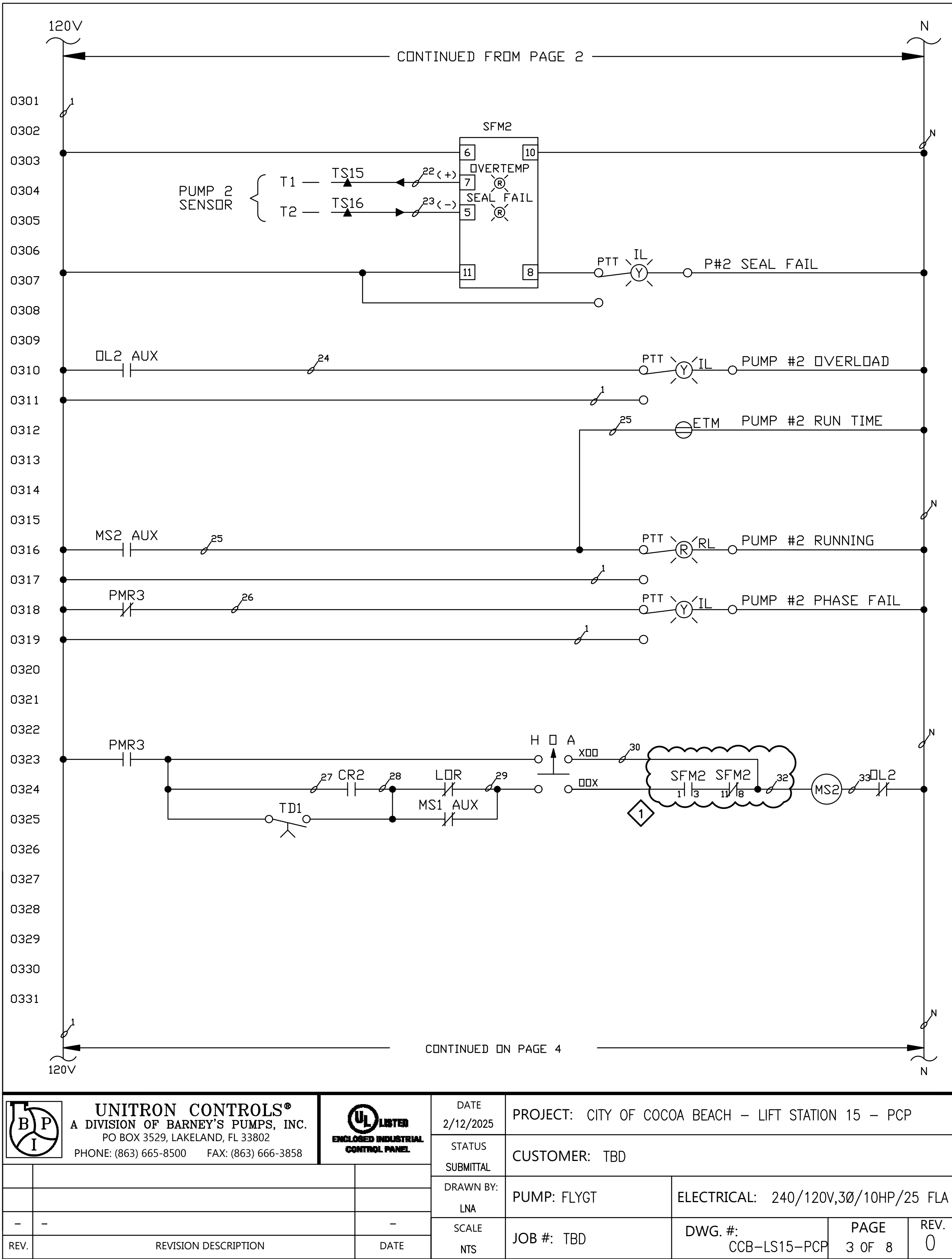


The logo for Bailey Engineering Consultants is a circular emblem. The outer ring contains the text "ENGINEERING" at the top and "CONSULTANTS" at the bottom. Inside the ring, there is a stylized sun rising over wavy lines representing water. A horizontal banner across the center of the emblem displays the word "BAILEY" in a bold, sans-serif font.

Page 140 of 156

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1 BEC DESIGN REVISION

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KHA PROJECT 147965003
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY JPL
DRAWN BY TJM
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LIFT STATION 15
REHABILITATION

PREPARED FOR
CITY OF COCOA BEACH

CITY OF COCOA BEACH FLORIDA

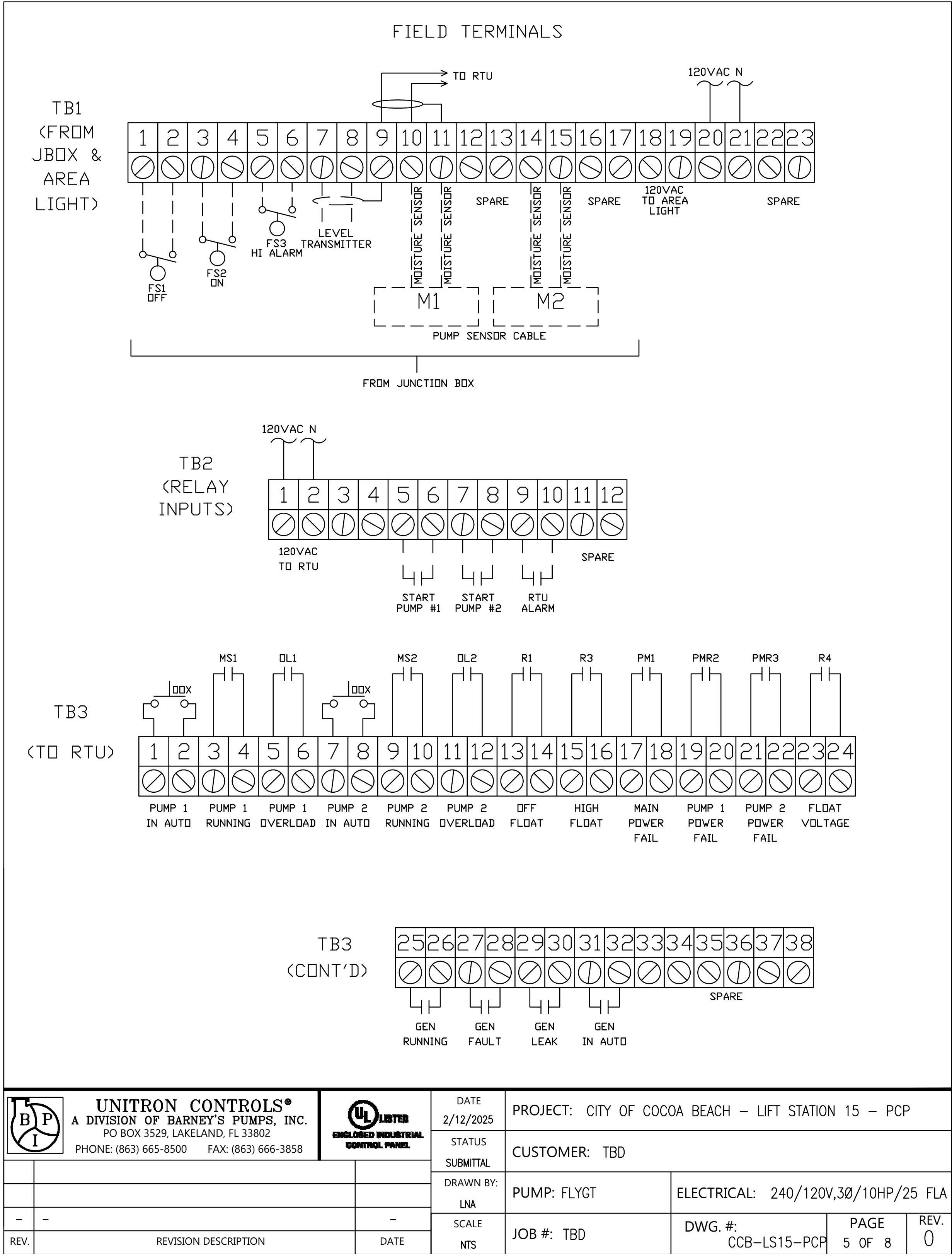
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STEPHEN E. BAILEY
42461
DATE:

PCP DIAGRAM-2

SHEET NUMBER
PCP-2

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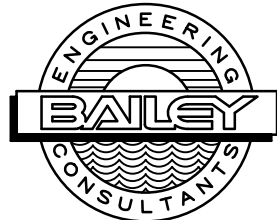


BILL OF MATERIALS			
QTY.	ABBR.	DESCRIPTION	MANUFACTURER, PART#
1	ENC	ENCLOSURE, NEMA 4X, 316SS W/SUN SHIELD	SCHAEFERS, SPN4SS6-483612-152
1	MCB	MAIN CIRCUIT BREAKER	SQ.D, HGL36080
1	ECB	EMERGENCY CIRCUIT BREAKER	SQ.D, HGL36040
2	PCB1-2	PUMP CIRCUIT BREAKER	SQ.D, HGL36040
1	CCB	CONTRDL CIRCUIT BREAKER	SQ.D, QDU115
1	RTUCB	RTU CIRCUIT BREAKER	SQ.D, QDU120
1	GFICB	GFI CIRCUIT BREAKER	SQ.D, QDU115
3	LDR, PMR2-3	CONTRDL RELAY, 3PDT, 11 PIN, 120VAC COIL	SQ.D, 750XCXRM4L-120A
2	MS1-2	MOTOR STARTER, NEMA SIZE 3	SQ.D, 8536-SDD1-V02
6	DL	OVERLOAD HEATER	SQ.D, B-40
1	GR	GENERATOR RECEPTACLE, 60A	RUSSELL STOLL, 3324-78
1	SPD	SURGE PROTECTOR	SQ.D, 6671-SDSA2040D
12	F1-12	FUSE, 600V 1A	FERRAZ, ATQR-1
4	PM1-4	PHASE MONITOR	TIME MARK, MODEL-257B
1	GFI	GFI RECEPTACLE, 15A	HUBBELL, SNAPGFI151
2	PLS/ALS	PANEL & AREA LIGHT SWITCH	SQ.D, 9001-SKS11BH5
1	PL	PANEL MAINTENANCE LIGHT, LED	HOFFMAN, CEL550
1	AL	ALARM LIGHT	AC/DC, R40-XLS-25
1	F	FLASHER	INGRAM, FL-120V
2	SFM1-2	SEAL FAILURE MODULE	MPE, PMR2
6	IL	INDICATING LIGHT, YELLOW LED, PTT, 120V	SQ.D, 9001-SKT38LY
2	ETM	ELAPSED TIME METER	ENM, T50B2
2	RL	RUN LIGHT, RED LED, PTT, 120V	SQ.D, 9001-SKT38LR
2	HDA	HAND-OFF-AUTO SWITCHES	SQ.D, 9001-SKS43BH13
1	F13	FUSE, 250V 2A	FERRAZ, TRM-2
1	XFMR2	TRANSFORMER, 120/24VAC 100VA	SQ.D, 9070-T100-D13
1	F14	FUSE, 250V 5A	FERRAZ, TRM-5
7	R1-4,CR1-3	CONTRDL RELAY, DPDT, 8 PIN, 24VAC COIL	SQ.D, 750XBXRM4L-24A
1	TD1	TIME DELAY RELAY, ON DELAY	DIVERSIFIED, TBC-24-ABA
69	TB1,2,4	TERMINALS	PHOENIX, UT4

		UNITRON CONTROLS® A DIVISION OF BARNEY'S PUMPS, INC. PO BOX 3529, LAKE LAND, FL 33802 PHONE: (863) 665-8500 FAX: (863) 666-3858				DATE 2/12/2025		PROJECT: CITY OF COCOA BEACH – LIFT STATION 15 – PCP							
						STATUS SUBMITTAL		CUSTOMER: TBD							
						DRAWN BY: LNA		PUMP: FLYGT		ELECTRICAL: 240/120V,3Ø/10HP/25 FLA					
- -				-		SCALE NTS		JOB #: TBD		DWG. #: CCB-LS15-PCP		PAGE 6 OF 8		REV. 0	
REV.		REVISION DESCRIPTION				DATE									

BID SET

10620 GRIFFIN ROAD, SUITE 202
COOPER CITY, FLORIDA 33328
PHONE: (954) 448-7830
C.O.A. NO. 6783
Stephen E. Bailey, P.E.
Florida P.E. No. 42461



No.	REVISIONS	DATE	BY

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PHONE: 321-430-1138
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT 147965003
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY JPL
DRAWN BY TJM
CHECKED BY SEB

LIFT STATION 15
REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH

CITY OF COCOA BEACH

FLORIDA

LICENSED PROFESSIONAL

STEPHEN E. BAILEY

42461

DATE:

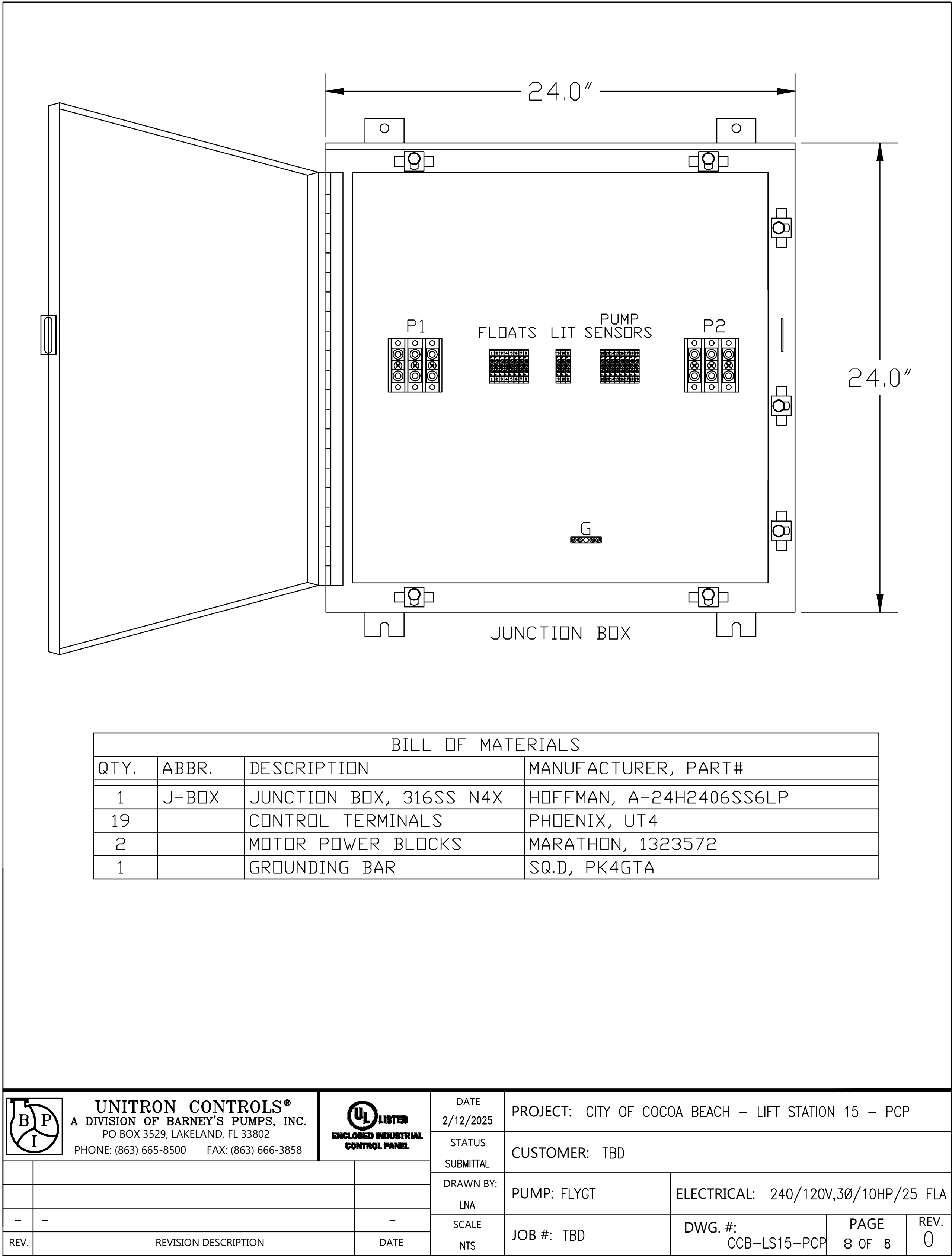
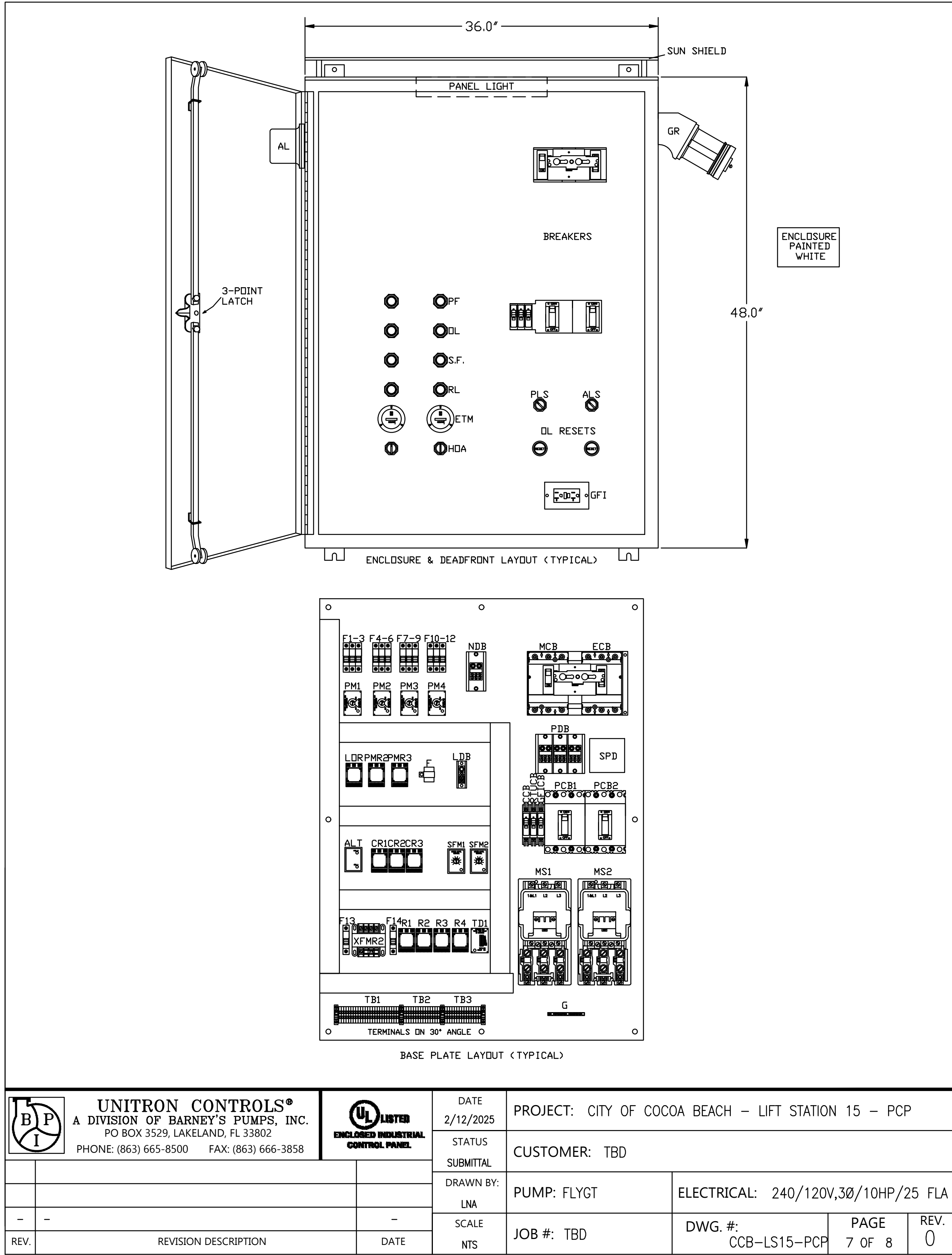
PCP DIAGRAM-3

SHEET NUMBER

PCP-3

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				CUSTOMER: TBD		
-	-	-	STATUS SUBMITTAL	PUMP: FLYGT	ELECTRICAL: 240/120V, 3Ø/10HP/25 FLA	
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REV.	REVISION DESCRIPTION	DATE	SCALE NTS	JOB #:	DWG. #: CCB-LS15-PCP	PAGE 7 OF 8
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						REV. 0

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KHA PROJECT
147965003

DATE
MAY 2025

SCALE AS SHOWN

DESIGNED BY JPL

DRAWN BY TJM

CHECKED BY SEB

LIFT STATION 15
REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH
CITY OF COCOA BEACH
FLORIDA

LICENSED PROFESSIONAL

STEPHEN E. BAILEY

42461

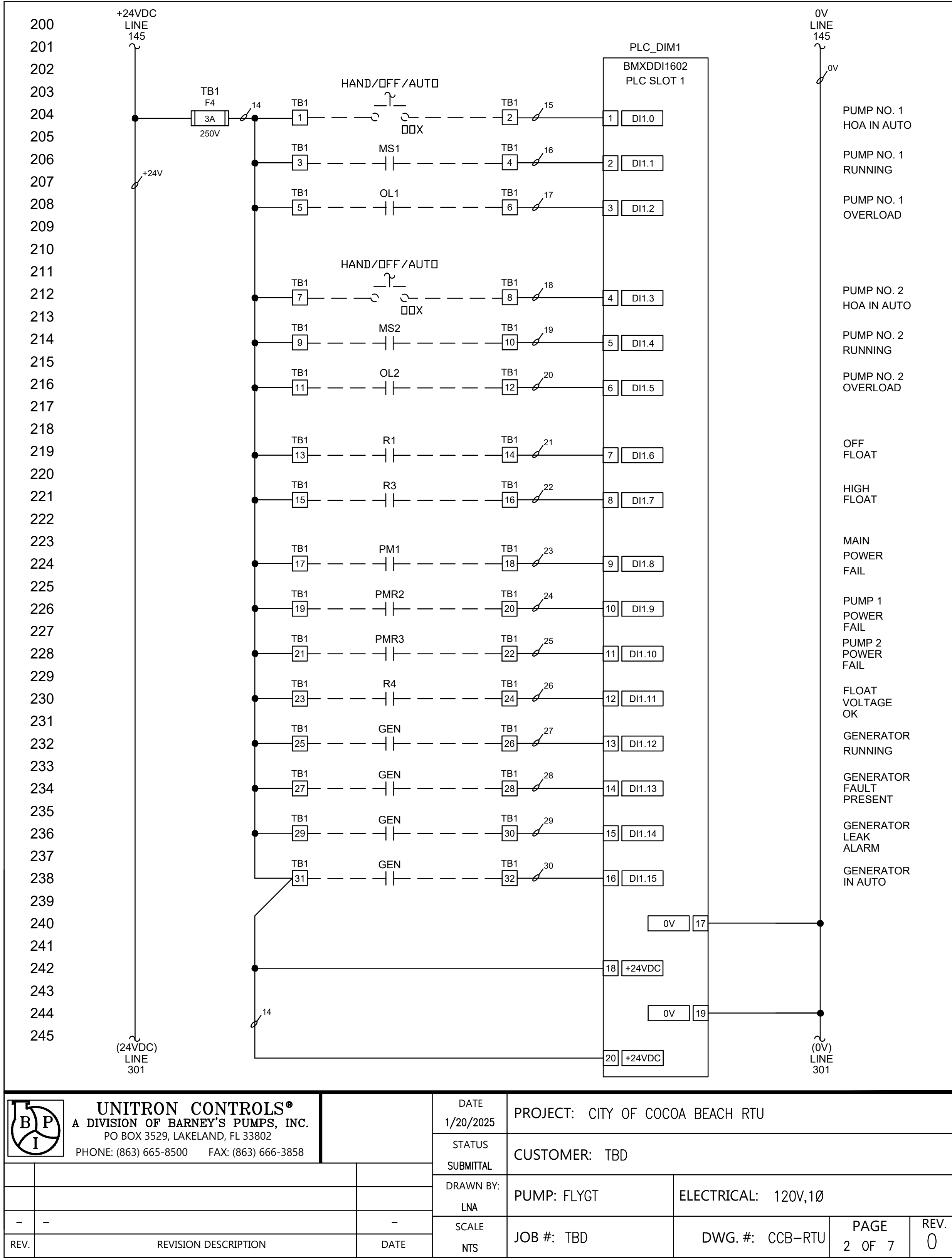
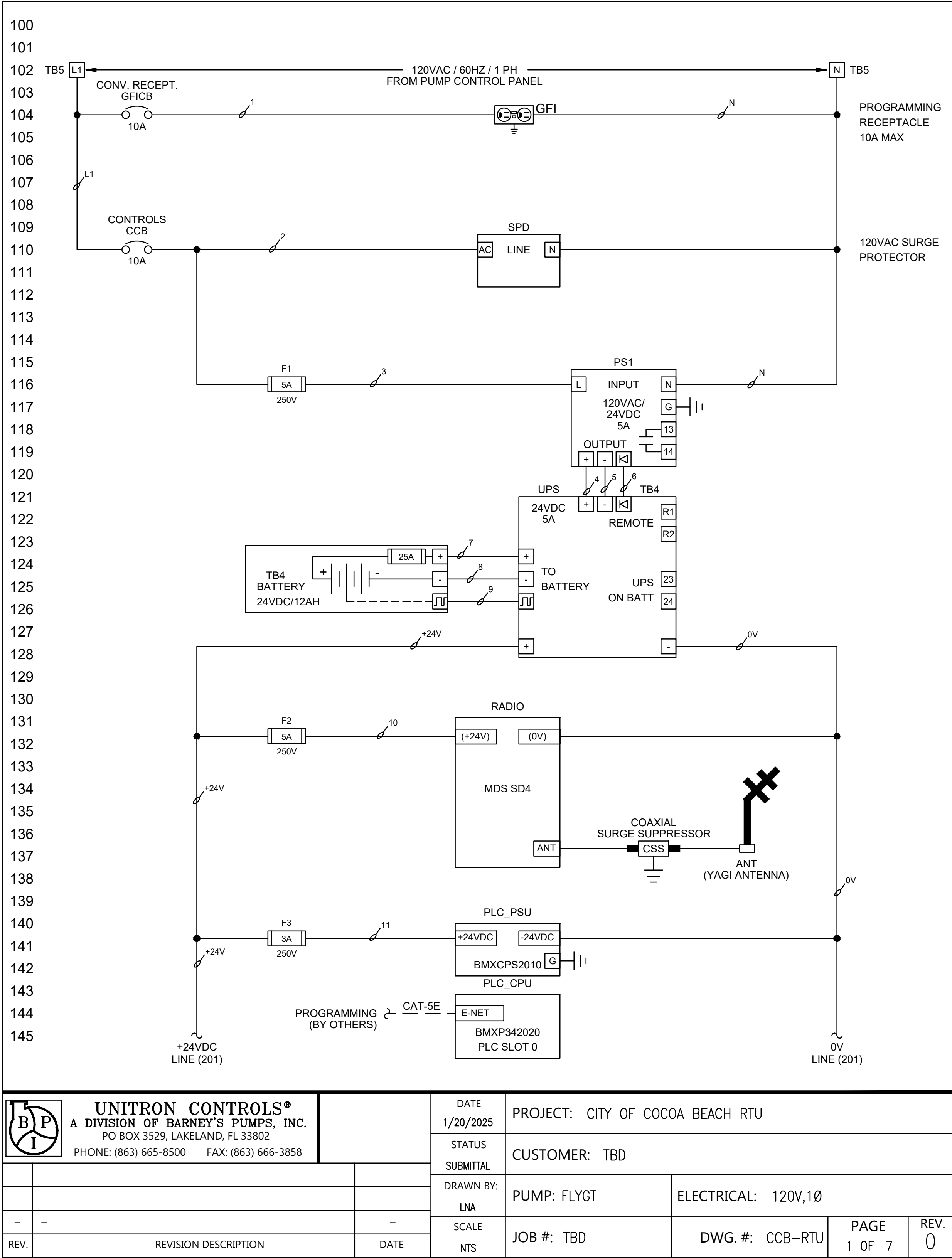
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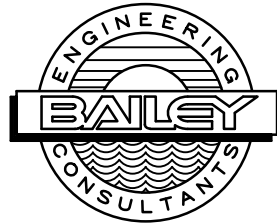
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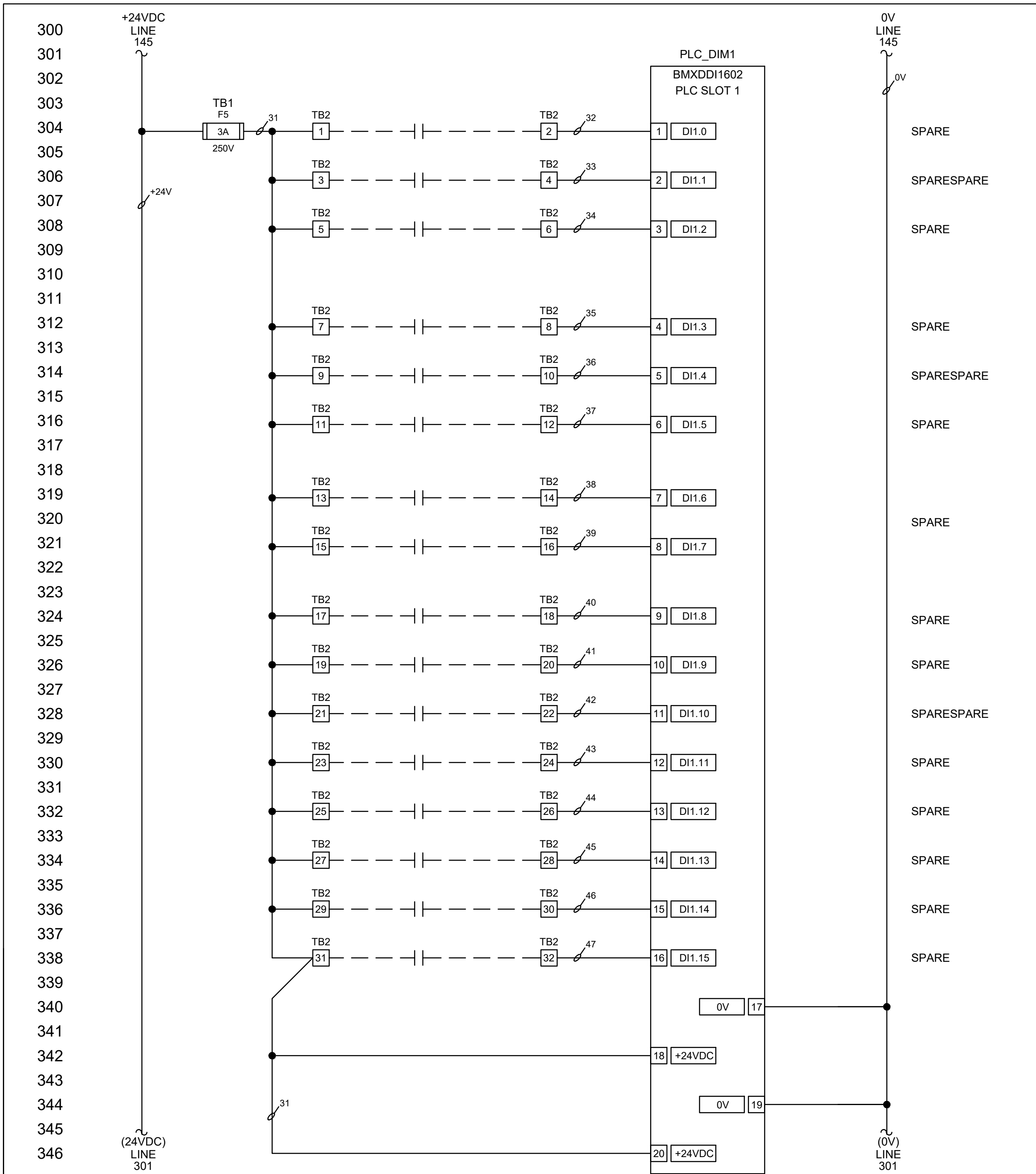
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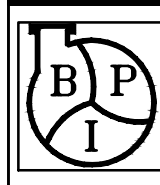
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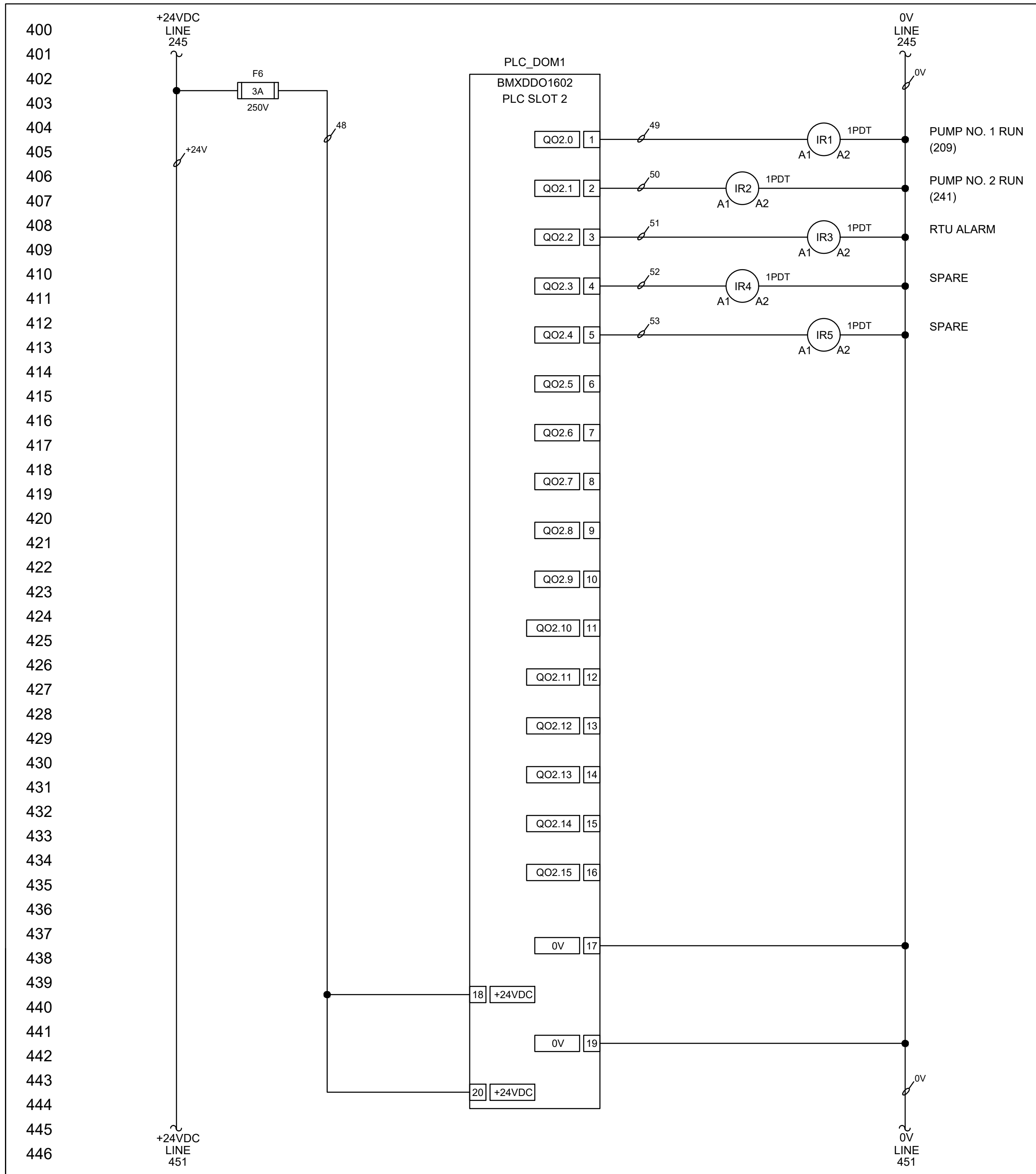
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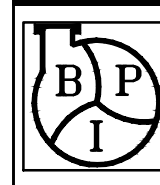
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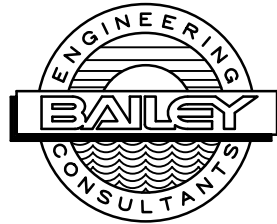
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			DRAWN BY: LNA	PUMP: FLYGT	ELECTRICAL: 120V,1Ø	
-	-	-	SCALE NTS	JOB #: TBD	DWG. #: CCB-RTU	PAGE 3 OF 7
REV.	REVISION DESCRIPTION	DATE				REV. 0



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-	-	-	SCALE NTS	JOB #: TBD	DWG. #: CCB-RTU	PAGE 4 OF 7
REV.	REVISION DESCRIPTION	DATE				REV. 0

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KHA PROJECT
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DATE
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PREPARED FOR
CITY OF COCOA BEACH

CITY OF COCOA BEACH
FLORIDA

LICENSED PROFESSIONAL

STEPHEN E. BAILEY

42461

DATE:

RTU DIAGRAM-2

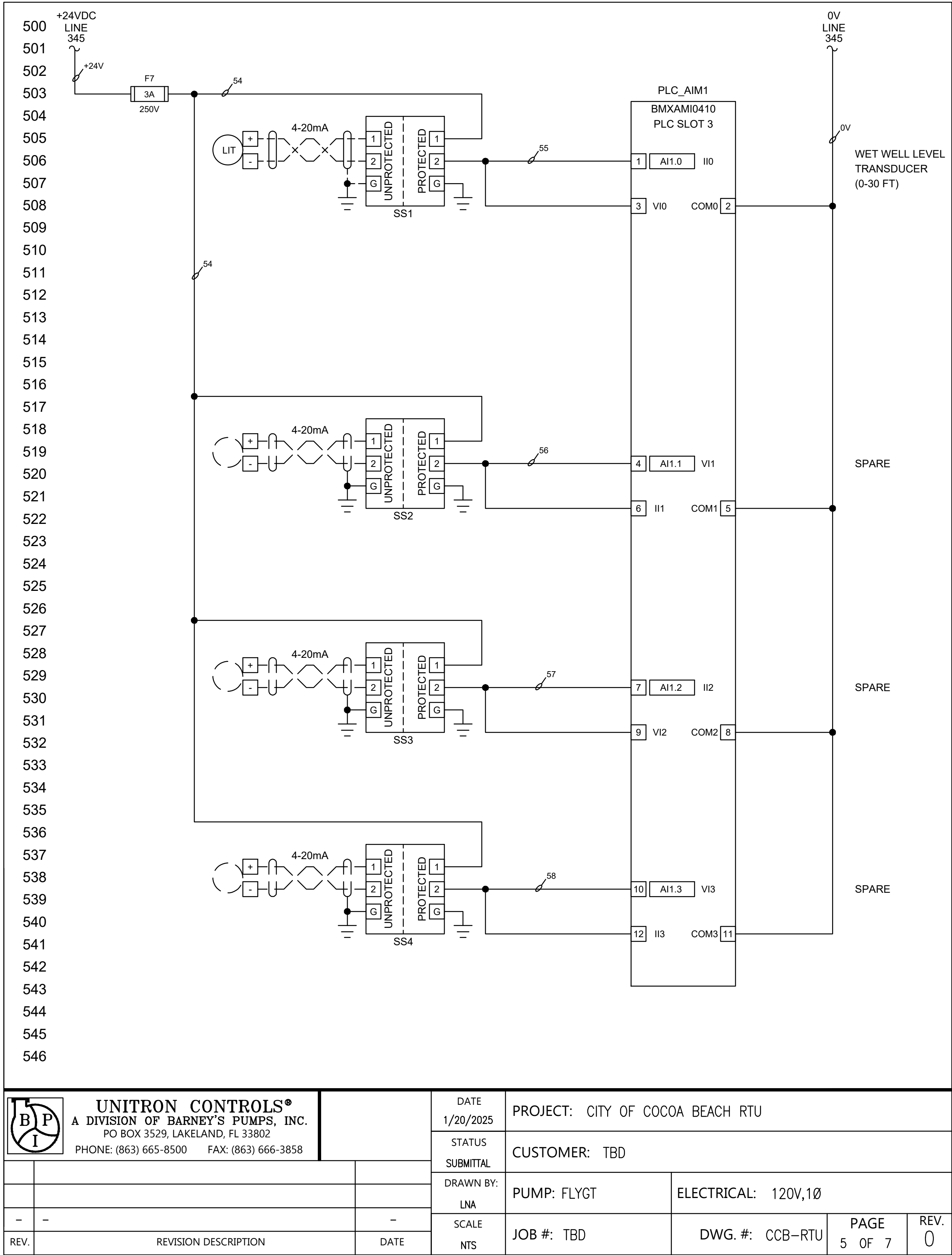
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SHEET NUMBER

RTU-2

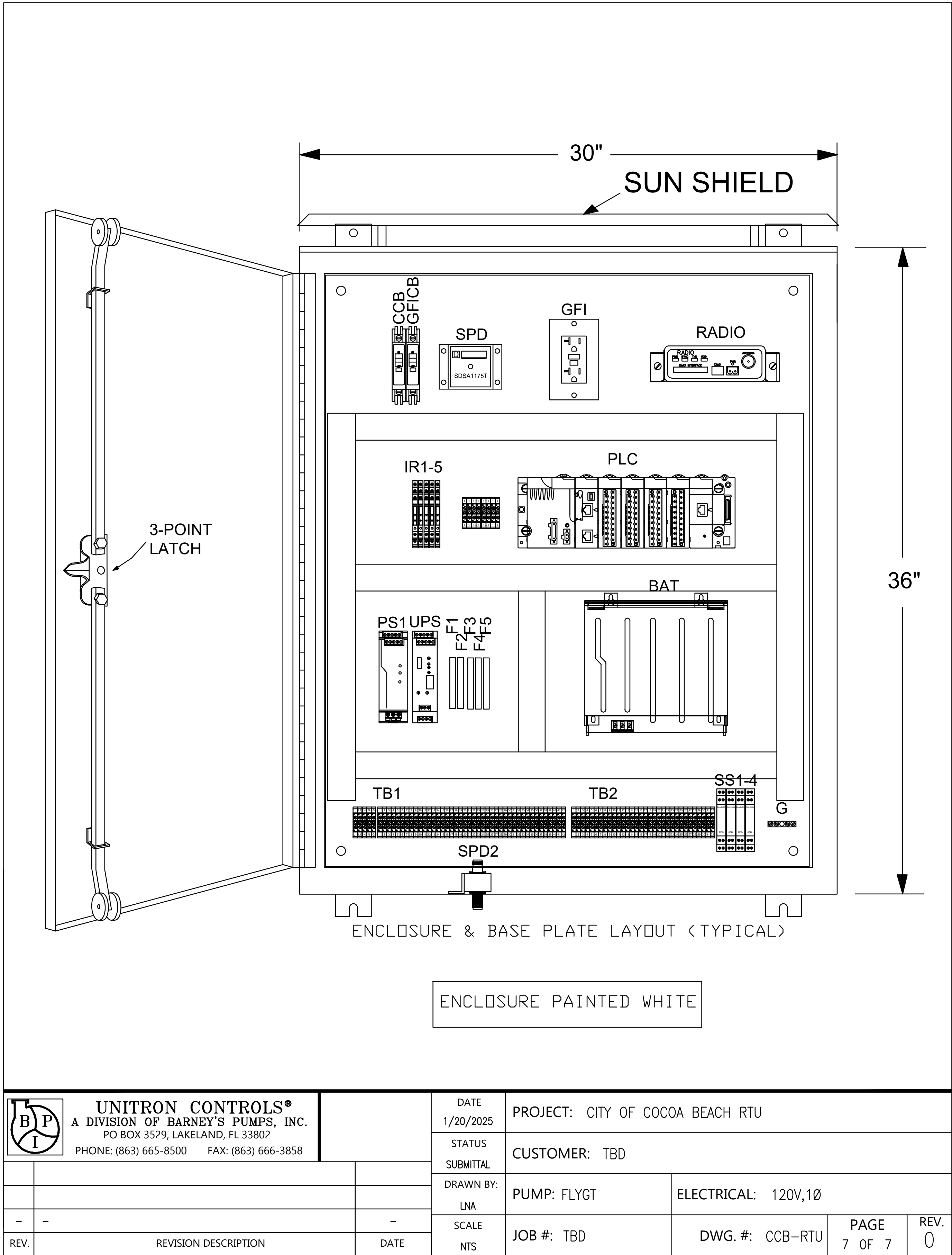
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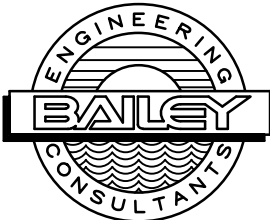
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KHA PROJECT	147965003
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SCALE	AS SHOWN
DESIGNED BY	JPL
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LIFT STATION 15
REHABILITATION
PREPARED FOR
CITY OF COCOA BEACH
CITY OF COCOA BEACH FLORIDA

LICENSED PROFESSIONAL

STEPHEN E. BAILEY
42461
DATE:

RTU DIAGRAM-4

SHEET NUMBER

RTU-4



July 29, 2025

Brad Kalsow
City of Cocoa Beach
Water Reclamation Department
1600 Minutemen Causeway
Cocoa Beach, FL 32931

RE: *Lift Stations 3, 6 and 15 Rehabilitation / Bid Review*
Kimley-Horn Project No. 147965001, 147965002, 147965003

Dear Mr. Kalsow,

We have reviewed the construction bids received for the above-referenced projects. As of the deadline on July 18, 2025, four (4) bids were received. Attached is the Bid Tabulation of the submitted bids. As discussed with City staff, Kimley-Horn and Associates, Inc. (Kimley-Horn) reviewed the following items provided for all four (4) bidders; Base Bid, Relevant Projects, Key Personnel, and Licenses for the General Contractor.

Based upon our review of the total Base Bid of the three projects combined, Southern Underground Industries, Inc. appears to be the lowest bidder, with a total Base Bid of \$2,782,833.00. Please note that there were discrepancies in Southern Underground Industries, Inc.'s Bid Amounts within the Lift Station 6 Bid Form (Line Items 11, 12 and 19) and Lift Station 15 Bid Form (Line Items 15, 20 and 22), based on the estimated quantities and unit pricing noted. Kimley-Horn recalculated those line items, re-totaled the Base Bid, and found Southern Underground Industries, Inc. appears to still be the lowest bidder. All bidders' Base Bid numbers can be found in the attached Bid Tabulation with an asterisk noting the discrepancy on Southern Underground Industries, Inc.'s Bid.

Southern Underground Industries, Inc. provided both current and previous relevant project experience, as well as Key Personnel as required by the bid documents. Kimley-Horn used Sunbiz and the Florida Department of Business and Professional Regulation websites to determine the status of the licenses for Southern Underground Industries, Inc. Their license is current/active and no complaints are on file. Based upon the information provided with the bid and in consideration of the terms and conditions set forth in the contract document, Kimley-Horn recommends that Southern Underground Industries, Inc. bid be accepted for the work on the Lift Stations 3, 6 and 15 Rehabilitation project.

Please contact me at (321)-335-6692 or alyssa.colby@kimley-horn.com should you have any questions.

Sincerely,

A handwritten signature in blue ink that reads "Alyssa Colby".

Alyssa Colby, PE - Project Manager

Attachments: Bid Tabulation

**BID TABULATION
FOR
COCOA BEACH LIFT STATIONS 3, 6, & 15**

	Kimley-Horn OPC	BIDS RECEIVED			
		Cathcart Const. - FL	US Water Services	Gregori Const.	Southern Underground Industries
Lift Station 3	\$771,925.00	\$818,220.81	\$711,326.00	\$780,300.00	\$837,160.00
Lift Station 6	\$944,050.00	\$979,969.99	\$810,426.00	\$891,100.00	\$888,270.00*
Lift Station 15	\$1,129,994.85	\$1,441,956.79	\$1,357,854.00	\$1,218,850.00	\$1,057,403.00*
Total	\$2,845,969.85	\$3,240,147.59	\$2,879,606.00	\$2,890,250.00	\$2,782,833.00*

* Revised Bid Amount

**BID TABULATION
FOR
COCOA BEACH LIFT STATION 3**

BIDS RECEIVED

				Kimley-Horn OPC		Cathcart Const. - FL		US Water Services		Gregori Const.		Southern Underground Industries	
ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
GENERAL													
1	Mobilization, Insurance, Performance and Payment Bond	LS	1	\$ 60,000.00	\$ 60,000.00	\$ 59,940.00	\$ 59,940.00	\$ 46,597.00	\$ 46,597.00	\$ 40,000.00	\$ 40,000.00	\$ 159,650.00	\$ 159,650.00
2	Maintenance of Traffic	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 4,050.00	\$ 4,050.00	\$ 9,748.00	\$ 9,748.00	\$ 1,000.00	\$ 1,000.00	\$ 525.00	\$ 525.00
3	Preconstruction Video	LS	1	\$ 2,500.00	\$ 2,500.00	\$ 2,025.00	\$ 2,025.00	\$ 1,769.00	\$ 1,769.00	\$ 1,000.00	\$ 1,000.00	\$ 2,250.00	\$ 2,250.00
4	Survey Layout and Record Drawings	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 15,795.00	\$ 15,795.00	\$ 17,934.00	\$ 17,934.00	\$ 8,000.00	\$ 8,000.00	\$ 13,300.00	\$ 13,300.00
5	Construction Restoration (Site cleanup, seed/sod, etc.)	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 10,560.83	\$ 10,560.83	\$ 5,232.00	\$ 5,232.00	\$ 10,000.00	\$ 10,000.00	\$ 14,440.00	\$ 14,440.00
6	Construction Testing (Pressure, density testing, etc.)	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 18,049.51	\$ 18,049.51	\$ 5,775.00	\$ 5,775.00	\$ 3,000.00	\$ 3,000.00	\$ 4,125.00	\$ 4,125.00
7	Erosion and Sediment Control	LS	1	\$ 7,500.00	\$ 7,500.00	\$ 3,939.30	\$ 3,939.30	\$ 17,360.00	\$ 17,360.00	\$ 8,000.00	\$ 8,000.00	\$ 4,670.00	\$ 4,670.00
8	Remove Existing 6" Force Main	LF	20	\$ 80.00	\$ 1,600.00	\$ 115.97	\$ 2,319.40	\$ 467.00	\$ 9,340.00	\$ 50.00	\$ 1,000.00	\$ 303.00	\$ 6,060.00
9	Lift Station 3 Demolition (Removal of riser pipes, valve vault, electrical equipment, etc.)	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 53,554.53	\$ 53,554.53	\$ 13,208.00	\$ 13,208.00	\$ 20,000.00	\$ 20,000.00	\$ 18,750.00	\$ 18,750.00
10	Remove Existing Concrete Pad	SY	35	\$ 75.00	\$ 2,625.00	\$ 59.88	\$ 2,095.80	\$ 112.00	\$ 3,920.00	\$ 80.00	\$ 2,800.00	\$ 94.00	\$ 3,290.00
LIFT STATION 3													
11	6" PVC Force Main (Including fittings, restraints, adapters, etc.)	LF	20	\$ 120.00	\$ 2,400.00	\$ 477.50	\$ 9,550.00	\$ 1,153.00	\$ 23,060.00	\$ 950.00	\$ 19,000.00	\$ 508.00	\$ 10,160.00
12	By-Pass Pumping (Including temporary bypass piping, valve, line stop, etc.)	EA	1	\$ 30,000.00	\$ 30,000.00	\$ 73,494.01	\$ 73,494.01	\$ 38,465.00	\$ 38,465.00	\$ 112,000.00	\$ 112,000.00	\$ 64,600.00	\$ 64,600.00
13	Connection to Existing 6-inch DIP Force Main	EA	1	\$ 20,000.00	\$ 20,000.00	\$ 2,311.20	\$ 2,311.20	\$ 10,113.00	\$ 10,113.00	\$ 20,000.00	\$ 20,000.00	\$ 7,200.00	\$ 7,200.00
14	6" Gate Valve	EA	2	\$ 4,000.00	\$ 8,000.00	\$ 2,454.98	\$ 4,909.96	\$ 5,025.00	\$ 10,050.00	\$ 3,500.00	\$ 7,000.00	\$ 2,550.00	\$ 5,100.00
15	Core Existing Lift Station 3 Top Slab and Install New Riser Piping	LS	1	\$ 25,000.00	\$ 25,000.00	\$ 52,974.01	\$ 52,974.01	\$ 32,992.00	\$ 32,992.00	\$ 110,000.00	\$ 110,000.00	\$ 38,500.00	\$ 38,500.00
16	6" Stainless Steel Above Ground Valving (Piping, fittings, etc.)	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 155,155.51	\$ 155,155.51	\$ 129,080.00	\$ 129,080.00	\$ 90,000.00	\$ 90,000.00	\$ 192,350.00	\$ 192,350.00
17	Concrete Slab - 3,000 psi	SY	45	\$ 900.00	\$ 40,500.00	\$ 205.05	\$ 9,227.25	\$ 376.00	\$ 16,920.00	\$ 300.00	\$ 13,500.00	\$ 198.00	\$ 8,910.00
18	Site Grading and Restoration	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 7,033.50	\$ 7,033.50	\$ 9,527.00	\$ 9,527.00	\$ 10,000.00	\$ 10,000.00	\$ 12,650.00	\$ 12,650.00
19	Electrical I&C	LS	1	\$ 430,000.00	\$ 430,000.00	\$ 328,536.00	\$ 328,536.00	\$ 301,436.00	\$ 301,436.00	\$ 300,000.00	\$ 300,000.00	\$ 266,750.00	\$ 266,750.00
20	Chain Link Fencing	LF	40	\$ 45.00	\$ 1,800.00	\$ 67.50	\$ 2,700.00	\$ 220.00	\$ 8,800.00	\$ 100.00	\$ 4,000.00	\$ 97.00	\$ 3,880.00
GRAND TOTAL					\$ 771,925.00		\$ 818,220.81		\$ 711,326.00		\$ 780,300.00		\$ 837,160.00

*Because the Consultant does not control the cost of labor, materials, equipment or services furnished by others, methods of determining prices, or competitive bidding or market conditions, any opinions rendered as to costs, including but not limited to the costs of construction and materials, are made solely based on its judgment as a professional familiar with the industry. The Consultant cannot and does not guarantee that proposals, bids or actual costs will not vary from its opinions of cost.

**BID TABULATION
FOR
COCOA BEACH LIFT STATION 6**

				BIDS RECEIVED									
ITEM #	DESCRIPTION	UNIT	QUANTITY	Kimley-Horn OPC		Cathcart Const. - FL		US Water Services		Gregori Const.		Southern Underground Industries	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
GENERAL													
1	Mobilization, Insurance, Performance and Payment Bond	LS	1	\$ 100,000.00	\$ 100,000.00	\$ 76,140.00	\$ 76,140.00	\$ 47,597.00	\$ 47,597.00	\$ 40,000.00	\$ 40,000.00	\$ 160,950.00	\$ 160,950.00
2	Maintenance of Traffic	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 9,112.50	\$ 9,112.50	\$ 17,068.00	\$ 17,068.00	\$ 1,000.00	\$ 1,000.00	\$ 4,175.00	\$ 4,175.00
3	Preconstruction Video	LS	1	\$ 2,500.00	\$ 2,500.00	\$ 2,025.00	\$ 2,025.00	\$ 1,769.00	\$ 1,769.00	\$ 1,000.00	\$ 1,000.00	\$ 2,250.00	\$ 2,250.00
4	Survey Layout and Record Drawings	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 15,795.00	\$ 15,795.00	\$ 17,934.00	\$ 17,934.00	\$ 8,000.00	\$ 8,000.00	\$ 13,250.00	\$ 13,250.00
5	Construction Restoration (Site cleanup, seed/sod, etc.)	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 9,549.00	\$ 9,549.00	\$ 5,664.00	\$ 5,664.00	\$ 10,000.00	\$ 10,000.00	\$ 18,375.00	\$ 18,375.00
6	Construction Testing (Pressure, density testing, etc.)	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 19,399.51	\$ 19,399.51	\$ 5,795.00	\$ 5,795.00	\$ 3,000.00	\$ 3,000.00	\$ 4,125.00	\$ 4,125.00
7	Erosion and Sediment Control	LS	1	\$ 7,500.00	\$ 7,500.00	\$ 3,939.30	\$ 3,939.30	\$ 18,718.00	\$ 18,718.00	\$ 8,000.00	\$ 8,000.00	\$ 4,570.00	\$ 4,570.00
8	Remove Existing Water Service	EA	1	\$ 3,500.00	\$ 3,500.00	\$ 1,623.38	\$ 1,623.38	\$ 2,400.00	\$ 2,400.00	\$ 1,500.00	\$ 1,500.00	\$ 485.00	\$ 485.00
9	Remove Existing 6" Force Main	LF	35	\$ 80.00	\$ 2,800.00	\$ 103.37	\$ 3,617.95	\$ 321.00	\$ 11,235.00	\$ 50.00	\$ 1,750.00	\$ 292.00	\$ 10,220.00
10	Lift Station 6 Demolition (Removal of riser pipes, valve vault, electrical equipment, etc.)	LS	1	\$ 65,000.00	\$ 65,000.00	\$ 50,577.77	\$ 50,577.77	\$ 13,208.00	\$ 13,208.00	\$ 20,000.00	\$ 20,000.00	\$ 17,650.00	\$ 17,650.00
11	Concrete Demolition	SY	70	\$ 75.00	\$ 5,250.00	\$ 59.88	\$ 4,191.60	\$ 96.00	\$ 6,720.00	\$ 80.00	\$ 5,600.00	\$ 94.00	\$ 6,580.00
LIFT STATION 6													
12	6" PVC Force Main (Including fittings, restraints, adapters, etc.)	LF	25	\$ 120.00	\$ 3,000.00	\$ 353.97	\$ 8,849.25	\$ 921.00	\$ 23,025.00	\$ 950.00	\$ 23,750.00	\$ 408.00	\$ 10,200.00
13	By-Pass Pumping (Including temporary bypass piping, valve, line stop, etc.)	EA	1	\$ 40,000.00	\$ 40,000.00	\$ 73,561.51	\$ 73,561.51	\$ 38,465.00	\$ 38,465.00	\$ 125,000.00	\$ 125,000.00	\$ 64,600.00	\$ 64,600.00
14	Connection to Existing 6-inch DIP Force Main	EA	1	\$ 20,000.00	\$ 20,000.00	\$ 2,884.95	\$ 2,884.95	\$ 10,113.00	\$ 10,113.00	\$ 20,000.00	\$ 20,000.00	\$ 7,200.00	\$ 7,200.00
15	6" Gate Valve	EA	2	\$ 4,000.00	\$ 8,000.00	\$ 2,454.98	\$ 4,909.96	\$ 5,025.00	\$ 10,050.00	\$ 3,500.00	\$ 7,000.00	\$ 2,550.00	\$ 5,100.00
16	Core Existing Lift Station 6 Top Slab and Install New Riser Piping	LS	1	\$ 25,000.00	\$ 25,000.00	\$ 65,286.02	\$ 65,286.02	\$ 39,878.00	\$ 39,878.00	\$ 110,000.00	\$ 110,000.00	\$ 38,500.00	\$ 38,500.00
17	6" Stainless Steel Above Ground Valving (Piping, fittings, etc.)	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 142,330.51	\$ 142,330.51	\$ 137,858.00	\$ 137,858.00	\$ 90,000.00	\$ 90,000.00	\$ 169,975.00	\$ 169,975.00
18	Site Grading and Restoration	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 7,033.50	\$ 7,033.50	\$ 8,927.00	\$ 8,927.00	\$ 10,000.00	\$ 10,000.00	\$ 12,600.00	\$ 12,600.00
19	Concrete Sidewalk and Driveway	SY	85	\$ 900.00	\$ 76,500.00	\$ 175.34	\$ 14,903.90	\$ 362.00	\$ 30,770.00	\$ 300.00	\$ 25,500.00	\$ 199.00	\$ 16,915.00
20	Water Service Connection (1" Service, fittings, water meter, etc.)	EA	1	\$ 5,000.00	\$ 5,000.00	\$ 4,048.65	\$ 4,048.65	\$ 4,828.00	\$ 4,828.00	\$ 10,000.00	\$ 10,000.00	\$ 1,450.00	\$ 1,450.00
21	5' Eccentric Concrete Doghouse Manhole	EA	1	\$ 40,000.00	\$ 40,000.00	\$ 111,017.27	\$ 111,017.27	\$ 22,918.00	\$ 22,918.00	\$ 50,000.00	\$ 50,000.00	\$ 40,500.00	\$ 40,500.00
22	Removable Bollards	EA	4	\$ 2,500.00	\$ 10,000.00	\$ 417.49	\$ 1,669.96	\$ 4,060.00	\$ 16,240.00	\$ 5,000.00	\$ 20,000.00	\$ 1,775.00	\$ 7,100.00
23	Electrical I&C	LS	1	\$ 420,000.00	\$ 420,000.00	\$ 347,503.50	\$ 347,503.50	\$ 319,246.00	\$ 319,246.00	\$ 300,000.00	\$ 300,000.00	\$ 271,500.00	\$ 271,500.00
GRAND TOTAL					\$ 944,050.00		\$ 979,969.99		\$ 810,426.00		\$ 891,100.00		\$ 888,270.00

* Revised Bid Amount

Because the Consultant does not control the cost of labor, materials, equipment or services furnished by others, methods of determining prices, or competitive bidding or market conditions, any opinions rendered as to costs, including but not limited to the costs of construction and materials, are made solely based on its judgment as a professional familiar with the industry. The Consultant cannot and does not guarantee that proposals, bids or actual costs will not vary from its opinions of cost.

**BID TABULATION
FOR
COCOA BEACH LIFT STATION 15**

				BIDS RECEIVED									
				Kimley-Horn OPC		Cathcart Const. - FL		US Water Services		Gregori Const.		Southern Underground Industries	
ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
GENERAL													
1	Mobilization, Insurance, Performance and Payment Bond	LS	1	\$ 100,000.00	\$ 100,000.00	\$ 103,005.00	\$ 103,005.00	\$ 81,605.00	\$ 81,605.00	\$ 40,000.00	\$ 40,000.00	\$ 164,000.00	\$ 164,000.00
2	Maintenance of Traffic	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 6,750.00	\$ 6,750.00	\$ 24,388.00	\$ 24,388.00	\$ 15,000.00	\$ 15,000.00	\$ 2,100.00	\$ 2,100.00
3	Preconstruction Video	LS	1	\$ 2,500.00	\$ 2,500.00	\$ 2,025.00	\$ 2,025.00	\$ 1,769.00	\$ 1,769.00	\$ 1,000.00	\$ 1,000.00	\$ 2,250.00	\$ 2,250.00
4	Survey Layout and Record Drawings	LS	1	\$ 12,500.00	\$ 12,500.00	\$ 15,795.00	\$ 15,795.00	\$ 17,934.00	\$ 17,934.00	\$ 8,000.00	\$ 8,000.00	\$ 14,350.00	\$ 14,350.00
5	Construction Restoration (Site cleanup, seed/sod, etc.)	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 8,536.50	\$ 8,536.50	\$ 8,714.00	\$ 8,714.00	\$ 10,000.00	\$ 10,000.00	\$ 19,200.00	\$ 19,200.00
6	Construction Testing (Pressure, density testing, etc.)	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 19,399.51	\$ 19,399.51	\$ 5,795.00	\$ 5,795.00	\$ 4,000.00	\$ 4,000.00	\$ 4,125.00	\$ 4,125.00
7	Erosion and Sediment Control	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 3,939.30	\$ 3,939.30	\$ 21,768.00	\$ 21,768.00	\$ 8,000.00	\$ 8,000.00	\$ 5,460.00	\$ 5,460.00
8	Remove Existing 6" DIP Force Main	LF	15	\$ 150.00	\$ 2,250.00	\$ 111.33	\$ 1,669.95	\$ 487.00	\$ 7,305.00	\$ 50.00	\$ 750.00	\$ 312.00	\$ 4,680.00
9	Lift Station 15 Demolition (Removal of riser pipes, valve vault, top slab, electrical equipment, bollards, vegetation, etc.)	LS	1	\$ 60,000.00	\$ 60,000.00	\$ 65,772.03	\$ 65,772.03	\$ 21,778.00	\$ 21,778.00	\$ 20,000.00	\$ 20,000.00	\$ 17,600.00	\$ 17,600.00
LIFT STATION 15													
10	6" DR-18 PVC Force Main (including fittings, restraints, adapters, etc.)	LF	20	\$ 120.00	\$ 2,400.00	\$ 227.75	\$ 4,555.00	\$ 1,247.00	\$ 24,940.00	\$ 950.00	\$ 19,000.00	\$ 406.00	\$ 8,120.00
11	Connection to Existing 6" DIP Force Main	EA	1	\$ 20,000.00	\$ 20,000.00	\$ 2,884.95	\$ 2,884.95	\$ 15,013.00	\$ 15,013.00	\$ 20,000.00	\$ 20,000.00	\$ 11,400.00	\$ 11,400.00
12	6" Gate Valve	EA	2	\$ 4,000.00	\$ 8,000.00	\$ 2,454.98	\$ 4,909.96	\$ 4,455.00	\$ 8,910.00	\$ 3,500.00	\$ 7,000.00	\$ 2,550.00	\$ 5,100.00
13	Lift Station Top Slab and Riser Piping	LS	1	\$ 65,000.00	\$ 65,000.00	\$ 177,120.04	\$ 177,120.04	\$ 65,516.00	\$ 65,516.00	\$ 140,000.00	\$ 140,000.00	\$ 38,300.00	\$ 38,300.00
14	6" Stainless Steel Above Ground Valving (Piping, fittings, etc.)	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 138,651.76	\$ 138,651.76	\$ 126,363.00	\$ 126,363.00	\$ 90,000.00	\$ 90,000.00	\$ 222,800.00	\$ 222,800.00
15	Concrete Slab - 3,000 psi	SY	7	\$ 900.00	\$ 6,300.00	\$ 662.66	\$ 4,638.62	\$ 748.00	\$ 5,236.00	\$ 1,000.00	\$ 7,000.00	\$ 199.00	\$ 1,393.00
16	5' Diameter Doghouse Manhole	EA	1	\$ 40,000.00	\$ 40,000.00	\$ 172,597.52	\$ 172,597.52	\$ 37,008.00	\$ 37,008.00	\$ 50,000.00	\$ 50,000.00	\$ 36,150.00	\$ 36,150.00
17	Site Grading and Restoration	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 3,786.75	\$ 3,786.75	\$ 14,915.00	\$ 14,915.00	\$ 10,000.00	\$ 10,000.00	\$ 12,625.00	\$ 12,625.00
18	Electrical I&C	LS	1	\$ 450,000.00	\$ 450,000.00	\$ 453,249.01	\$ 453,249.01	\$ 502,046.00	\$ 502,046.00	\$ 450,000.00	\$ 450,000.00	\$ 280,900.00	\$ 280,900.00
19	Generator	EA	1	\$ 200,000.00	\$ 200,000.00	\$ 110,862.01	\$ 110,862.01	\$ 224,524.00	\$ 224,524.00	\$ 120,000.00	\$ 120,000.00	\$ 79,750.00	\$ 79,750.00
20	Removable Bollards	EA	7	\$ 2,500.00	\$ 17,500.00	\$ 377.71	\$ 2,643.97	\$ 4,038.00	\$ 28,266.00	\$ 5,000.00	\$ 35,000.00	\$ 1,775.00	\$ 12,425.00
21	By-Pass Pumping (Including temporary bypass piping, valve, line stop, etc.)	EA	1	\$ 30,000.00	\$ 30,000.00	\$ 87,432.76	\$ 87,432.76	\$ 46,842.00	\$ 46,842.00	\$ 125,000.00	\$ 125,000.00	\$ 64,600.00	\$ 64,600.00
PAVEMENT RESTORATION													
22	Clearing and Grubbing (Including removal of existing asphalt)	AC	0.02	\$ 54,675.19	\$ 1,093.50	\$ 239,962.59	\$ 4,799.25	\$ 758,500.00	\$ 15,170.00	\$ 5,000.00	\$ 100.00	\$ 22,500.00	\$ 450.00
23	Regular Excavation	CY	45	\$ 13.08	\$ 588.60	\$ 96.15	\$ 4,326.75	\$ 162.00	\$ 7,290.00	\$ 100.00	\$ 4,500.00	\$ 81.00	\$ 3,645.00
24	Type B Stabilization, 12"	SY	65	\$ 12.70	\$ 825.50	\$ 73.32	\$ 4,765.80	\$ 223.00	\$ 14,495.00	\$ 100.00	\$ 6,500.00	\$ 50.00	\$ 3,250.00
25	Optional Base Group 4	SY	65	\$ 43.04	\$ 2,797.60	\$ 88.89	\$ 5,777.85	\$ 223.00	\$ 14,495.00	\$ 100.00	\$ 6,500.00	\$ 82.00	\$ 5,330.00
26	Milling Existing Asphalt Pavement, 2" Average Depth	SY	45	\$ 3.42	\$ 153.90	\$ 330.00	\$ 14,850.00	\$ 90.00	\$ 4,050.00	\$ 100.00	\$ 4,500.00	\$ 425.00	\$ 19,125.00
27	Superpave Asphaltic Concrete, Traffic C, PG 76-22 (2")	TN	8	\$ 180.44	\$ 1,443.52	\$ 1,012.50	\$ 8,100.00	\$ 656.00	\$ 5,248.00	\$ 1,000.00	\$ 8,000.00	\$ 1,075.00	\$ 8,600.00
28	Asphalt Concrete Friction Course, Traffic C, FC-12.5, PG 76-22	TN	9	\$ 182.47	\$ 1,642.23	\$ 1,012.50	\$ 9,112.50	\$ 719.00	\$ 6,471.00	\$ 1,000.00	\$ 9,000.00	\$ 1,075.00	\$ 9,675.00
GRAND TOTAL					\$ 1,129,994.85		\$ 1,441,956.79		\$ 1,357,854.00		\$ 1,218,850.00		\$ 1,057,403.00

* Revised Bid Amount

Because the Consultant does not control the cost of labor, materials, equipment or services furnished by others, methods of determining prices, or competitive bidding or market conditions, any opinions rendered as to costs, including but not limited to the costs of construction and materials, are made solely based on its judgment as a professional familiar with the industry. The Consultant cannot and does not guarantee that proposals, bids or actual costs will not vary from its opinions of cost.

City of Cocoa Beach City Commission Agenda Item Summary

**DEPARTMENT MAKING
REQUEST/NAME:**

Police /
Wes Mullins, Chief of Police

MEETING DATE

August 7, 2025

REQUESTED MOTION/ACTION

Adopt Ordinance 1700, An Ordinance of the City of Cocoa Beach, Florida, adding a new Section 22-2.5, "Regulation of Electric Bicycles and similar devices on specified rights of way", of Article I, "In General" of Chapter 22, "Streets and Sidewalks" of the code of ordinances of the City of Cocoa Beach; providing Regulations for the use of electric bicycles and similar devices on specified rights of way; and providing for CONFLICTS, codification, SEVERABILITY, AND AN EFFECTIVE DATE.

Adding a new section 22-2.5, "Regulation of Electric Bicycles and Similar devices on Specified Rights of Way"

Staff Representative: Wes Mullins, Police Chief

Recommendation: Approve

IS THIS ITEM BUDGETED (IF APPLICABLE)?

N/A

BACKGROUND:

Per previous discussion by Commission, this draft ordinance reflects Commission direction related to enforcement of electronic bicycle and similar devices.

ORDINANCE NO. 1700

AN ORDINANCE OF THE CITY OF COCOA BEACH, FLORIDA, ADDING A NEW SECTION 22-2.5, "REGULATION OF ELECTRIC BICYCLES AND SIMILAR DEVICES ON SPECIFIED RIGHTS OF WAY", OF ARTICLE I, "IN GENERAL" OF CHAPTER 22, "STREETS AND SIDEWALKS" OF THE CODE OF ORDINANCES OF THE CITY OF COCOA BEACH; PROVIDING REGULATIONS FOR THE USE OF ELECTRIC BICYCLES AND SIMILAR DEVICES ON SPECIFIED RIGHTS OF WAY; AND PROVIDING FOR CONFLICTS, CODIFICATION, SEVERABILITY, AND AN EFFECTIVE DATE.

WHEREAS, the City Commission of the City of Cocoa Beach finds it appropriate to provide regulations for electric bicycles and similar devices on specified rights of ways in the City; and

WHEREAS, the City Commission adopts this ordinance under its police powers for the health, safety and welfare of the City and its residents and visitors.

NOW, THEREFORE, BE IT ENACTED BY THE CITY COMMISSION OF THE CITY COCOA BEACH:

SECTION 1. Enactment. A new Section 22-2.5, "Regulation of Electric Bicycles and similar devices on specified rights of way", of Article I, "In General" of Chapter 22, "Streets and Sidewalks" 26-14, of the Code of Ordinances of the City of Cocoa Beach is hereby created to read as set forth in the attached Exhibit "A" with underlined text added, and ~~stricken~~ text deleted.

SECTION 2. Conflicts. All ordinances, resolutions, official determinations, or parts thereof previously adopted or entered by the City or any of its officials and in conflict with this Ordinance are repealed to the extent inconsistent herewith.

SECTION 3. Codification. The provisions of this Ordinance shall be codified as and become and be made a part of the City Code of the City of Cocoa Beach.

SECTION 4. Severability. If any section, sentence, clause, or other provision of this Ordinance, shall be held to be invalid or unconstitutional by a court of competent jurisdiction, such portion shall be deemed a separate, distinct and independent provision, and such holding of invalidity or unconstitutionality shall not be construed as to render invalid or unconstitutional the remaining sections, sentences, clauses, or provisions of this Ordinance, which shall remain in full force and effect.

SECTION 6. Effective Date. This ordinance shall take effect upon adoption.

Adopted by the City Commission on this _____ day of _____, 2025.

CITY OF COCOA BEACH

Keith Capizzi, Mayor-Commissioner

ATTEST:

Karin Grooms, City Clerk

Exhibit "A"

Sec. 22-2.5. Regulation of electric bicycles and similar devices on specified rights of way.

(a) *Definitions.*

- (1) *Bicycle* shall mean as such term is defined in F.S. § 316.003(4), as amended from time to time.
 - (2) *Designated right of way* shall mean Minutemen Causeway, Brevard Avenue, Cedar Avenue, and Catalina Road, and any other right of way that is designated by the city commission as a designated right of way by resolution.
 - (2) *Electric bicycle* shall mean as such term is defined in F.S. § 316.003(23), as amended from time to time.
 - (3) *Personal mobility device* shall mean all wheeled objects, coasters, toys, conveyances, or similar devices used for transportation or sport which are propelled by machine power except electric bicycles and any other motorized vehicle specifically regulated by F.S. Ch. 316, as amended from time to time.
 - (4) *Micromobility Device* shall mean as such term is defined in F.S. § 316.003(41), as amended from time to time.
 - (5) *Roller skates* shall mean any shoe, boot or other footwear, or device which may be attached to the foot or footwear, to which one (1) or more wheels are attached, including wheels that are "in line," also known as "rollerblades".
 - (6) *Reckless* shall mean operating on a designated right of way a bicycle, electrical bicycle, motorized scooter, personal mobility device, roller skates, or skateboard in one or more of the following manners:
 - a. At a speed in excess of fifteen (15) miles per hour; or
 - b. In willful or wanton disregard for the safety of persons; or
 - c. So as to cause an unreasonable risk of harm to person or property of others on the city's streets and sidewalks; or
 - d. Failing to slow to no more than 5 miles per hour when passing a pedestrian; or
 - e. Failing to provide an audible signal before passing a pedestrian; or
 - f. Operating without both operational front and rear lights between sunset and sunrise; or
 - g. Operating without a properly fitted and fastened bicycle helmet; or
 - h. Doing a "wheelie" which is a trick or **maneuver whereby** a bicycle, electric bicycle, skateboard, or personal mobility device is **ridden** for a short distance with the front wheel raised off the ground; or
 - i. Operation in a manner other than is reasonable and prudent under the conditions existing at the time, having regard to the actual and potential hazards then existing.
 - (7) *Skateboard* shall mean all wheeled objects, coasters, toys, conveyances, or similar devices used for transportation or sport which are propelled by human power except bicycles, electric bicycles, or roller skates.
- (b) No bicycle, electric bicycle, personal mobility device, micromobility device, skateboards, or roller skates, may be operated on a designated right of way of the city in a reckless manner.
- (c) *Enforcement.* Violations of this section shall be enforced as ordinance violations by citation subject to an appeal to the city's special magistrate. Enforcement shall be against the violator if the violator is 16 years old or over, and against the violator's parent(s) or guardian(s) if the violator is under 16 years old.
- (d) *Penalties.* Penalties for violations of this section shall be as provided by resolution of the city commission.

Exhibit "A"

Sec. 22-2.5. Regulation of electric bicycles and similar devices on specified rights of way.

(a) *Definitions.*

- (1) *Bicycle* shall mean as such term is defined in F.S. § 316.003(4), as amended from time to time.
 - (2) *Designated right of way* shall mean the sidewalks along Minutemen Causeway, ~~Brevard Avenue, Cedar Avenue, and Catalina Road,~~ and any other right of way that is designated by the city commission as a designated right of way by resolution.
 - (2) *Electric bicycle* shall mean as such term is defined in F.S. § 316.003(23), as amended from time to time.
 - (3) *Personal mobility device* shall mean all wheeled objects, coasters, toys, conveyances, or similar devices used for transportation or sport which are propelled by machine power except electric bicycles and any other motorized vehicle specifically regulated by F.S. Ch. 316, as amended from time to time.
 - (4) *Micromobility Device* shall mean as such term is defined in F.S. § 316.003(41), as amended from time to time.
 - (5) *Roller skates* shall mean any shoe, boot or other footwear, or device which may be attached to the foot or footwear, to which one (1) or more wheels are attached, including wheels that are "in line," also known as "rollerblades".
 - (6) *Reckless* shall mean operating on a designated right of way a bicycle, electrical bicycle, motorized scooter, personal mobility device, roller skates, or skateboard in one or more of the following manners:
 - a. At a speed in excess of fifteen (15) miles per hour; or
 - b. In willful or wanton disregard for the safety of persons; or
 - c. So as to cause an unreasonable risk of harm to person or property of others on the city's streets and sidewalks; or
 - d. Failing to slow to no more than 5 miles per hour when passing a pedestrian or slowing to such safe speed as is required to pass a pedestrian who is jogging or running; or
 - e. Failing to provide an audible signal before passing a pedestrian; or
 - f. Operating without both operational front and rear lights between sunset and sunrise; or
 - g. Operating without a properly fitted and fastened bicycle helmet when required by Florida law; or
 - h. Doing a "wheelie" which is a trick or maneuver whereby a bicycle, electric bicycle, skateboard, or personal mobility device is ridden for a short distance with the front wheel raised off the ground within 50 feet of another person or vehicle; or
 - i. Operation in a manner other than is reasonable and prudent under the conditions existing at the time, having regard to the actual and potential hazards then existing.
 - (7) *Skateboard* shall mean all wheeled objects, coasters, toys, conveyances, or similar devices used for transportation or sport which are propelled by human power except bicycles, electric bicycles, or roller skates.
- (b) No bicycle, electric bicycle, personal mobility device, micromobility device, skateboards, or roller skates, may be operated on a designated right of way of the city in a reckless manner.
- (c) *Enforcement.* Violations of this section shall be enforced as ordinance violations by citation subject to an appeal to the city's special magistrate. Enforcement shall be against the violator if the violator is 16 years old or over, and against the violator's parent(s) or guardian(s) if the violator is under 16 years old.
- (d) *Penalties.* Penalties for violations of this section shall be as provided by resolution of the city commission.