



**AGENDA
PARKS & RECREATION COMMITTEE
MEETING
CITY HALL BOARDROOM
TUESDAY, AUGUST 27, 2024**

- 1. CALL TO ORDER**
- 2. ATTENDANCE AND INSTRUCTIONS**
- 3. APPROVAL OF MINUTES**
 - A) May 28, 2024 Minutes**
 - B) June 18, 2024 Minutes**
- 4. OLD BUSINESS**
 - A) Schedule for Adopt-A-Park for committee members**
- 5. NEW BUSINESS**
 - A) Boardwalk Under the Bridge – Concept Plan**
 - B) Pickleball Courts – 100% Construction Documents**
 - C) Bathroom / Field House Project (at Morgan Sports Center)**
 - D) Personal Rescue Tubes**
- 6. COMMITTEE MEMBER COMMENTS/QUESTIONS**
 - A) L'Rena Anderson**
 - B) Isaac Birch**
 - C) Leslie Schmidt**
 - D) Sandy Trammell**
Creeping Weeds
 - E) Nikki Johnson**
 - F) Autumn Weidenhamer**
Pooch Palooza Update
Little Free Library Update
 - G) Bryan Otto**
- 7. STAFF REPORTS**
- 8. COMMENTS FROM THE AUDIENCE**
- 9. NEXT MEETING DATE: TBD**
- 10. PUBLIC COMMENTS** (Comments from the public on any matters considered at the meeting, or on any matters not on the agenda)

If a person decides to appeal any decision made by the City Council, committee, board, panel, or agency with respect to any matter considered at such meeting or hearing, he or she will need a record of the proceedings, and that, for such purpose, he or she will may need to ensure that a record of the verbatim record of the proceedings is made, which record includes the testimony and evidence upon the appeal is to be based.

"Persons with disabilities who require assistance to participate in this meeting are requested to notify the Public Services Office 850/837-4242 at least 48 hours in advance".

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MINUTES OF THE
SPECIAL PARKS & RECREATION COMMITTEE
MEETING DESTIN CITY HALL BOARDROOM
MAY 28, 2024 MEETING - 4:00 PM

1. CALL TO ORDER:

Chairwoman Trammell called the Parks & Recreation meeting to order at 4:00 p.m. on Tuesday, May 28, 2024, in the Destin City Hall Annex Chambers with the Pledge of Allegiance immediately following.

2. ROLL CALL:

Members Present

Sandy Trammell
Nikki Johnson
Isacc Birch
L'Rena Anderson
Autumn Weidenhamer

Members Absent

Leslie Schmidt

Staff Present

Kim Montgomery Deputy City Clerk
Lisa Firth Recreation Director
Ryan Reed Dep. Recreation Director
Ryan Scott, City Engineer

4. APPROVAL OF MINUTES: None

5. VICE CHAIR NOMINATION:

Motion by Chairwoman Trammell to nominate Committee member Nikki Johnson as Vice Chair, Committee member provided Birch providing the second the motion passed 5-0, Committee member Johnson accepted the nomination.

A) Pickleball Courts – 90% Plans Update Joe Bodi

Mr. Bodi explained how this project will be a seven phase project with the first phase being the restrooms and four pickleball courts, and explained what is planned for each of the other phases and their timeline all dependent on funding. There was a brief discussion about the need to additional temporary parking between the Chairwoman, the members and Mr. Bodi, as well as possible locations for the necessary sunshades.

Motion by member Isaac Birch for the Parks and Recreation Committee recommend City Council accept the 90% plans with the recommended addition to Phase 1A and 1B for a gravel parking lot to be added for temporary parking during construction of Phase 1, with member Nikki Johnson providing the second, the motion passed 5-0.

B) Parks and Recreation Master Plan

Staff reviewed with the members the draft Parks and Recreation Master Plan.

Motion by Chairwoman Trammell to accept the draft Parks and Recreation Master Plan as written and forward it to City Council for final approval, with Vice Chairwoman

Johnson providing the second. In discussion, the members and staff discussed the reasoning for a Master Plan and why it is necessary to have one. The motion passed with a unanimous vote of 5-0.

C) Parks Inspections

Staff explained Parks assignments to new Committee member Weidenhamer regarding what all is expected, in terms of reporting items of concern and what may need immediate attention for repairs or replacements. The Chairman informed her of her park assignments and their locations.

Vice Chairwoman Johnson briefly explained how the Adopt-a-Park program works and how this committee adopted the Destin Dog Park and their responsibilities, adding that they would place this on their agenda for the next meeting to go into more details of their responsibilities.

D) Member Comments

Chairwoman Trammell mentioned the workers for the DFCD are still parking their vehicles at Clement Taylor Park. Mrs. Firth stated that starting this weekend they will no longer be using the parking lot anymore.

E) Staff Comments:

Mr. Cozadd provided the members with the current status of the Norriego Point Park and the proposals the State received. He briefed the members of the general plans for the park and mentioned that the State has asked the city to provide \$233k to help fund the cost of the additional two crossovers, and if the city decides not to, then they will only build the one in the middle.

Mrs. Firth advised the members of the upcoming events that are planned for the summer months.

The members decided to move the meeting for the month of June, to the 18th.

6. ADJOURNMENT:

Having no further discussions, the meeting adjourned at 5:20 PM.

Adopted and approved this ____ day of _____ 2024.

Sandy Trammell, Chairwoman

Kim Montgomery, Deputy City Clerk

**MINUTES OF THE
SPECIAL PARKS & RECREATION COMMITTEE
MEETING DESTIN CITY HALL BOARDROOM
JUNE 18, 2024 MEETING - 4:00 PM**

1. CALL TO ORDER:

Chairwoman Trammell called the Parks & Recreation meeting to order at 4:00 p.m. on Tuesday, June 18, 2024, in the Destin City Hall Annex Chambers with the Pledge of Allegiance immediately following.

2. ROLL CALL:

Members Present

Sandy Trammell
Nikki Johnson
Isacc Birch
Autumn Weidenhamer

Members Absent

L'Rena Anderson
Leslie Schmidt

Staff Present

Kim Montgomery Deputy City Clerk
Lisa Firth Recreation Director
Ryan Reed Dep. Recreation Director
Ryan Scott, City Engineer

4. APPROVAL OF MINUTES:

Motion to approve the March 5, 2024, Special Parks & Recreation Committee Meeting minutes as written was made by Committee member Johnson with Vice Chair Cowsert providing the second. The motion passed 4-0.

5. OLD BUSINESS:

A. Linear Trail Plans – 60% Plans

Mr. Levi Wiegand with DAG Architects provided the members with the current status of the 60 % plans and what the trail will entail from the beginning of the trailhead to the end at Airport Road. The east end details of the trail was discussed briefly regarding the removal of any previous parking and the easements that will need to be obtained.

Mayor Wagner briefly spoke of the Florida Sun Trail grant that he has lobbied for with the TPO for this project, as well as the boardwalk under the bridge and the Cross Town Connector explaining further they have asked for \$10M through the Florida Sun Trail to help fund them.

Ryan Scott, City Engineer provided the members with updates regarding the changes that were made to the plan from the last time they were presented. There was discussions about budgeting the maintenance for this trail and Committee member Johnson spoke of how it should be included in the Parks Master Plan once the consultant group is hired to write the plan. One of the main focus discussions in this presentation was the fact that almost all of the trees in the Jewel Melvin Park are going to have to be removed in order to accommodate stormwater, and how

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member Johnson wanted assurance that the same number of trees removed would be replanted elsewhere in the city and, they should not be young trees that take decades to grow.

Motion by Vice Chair Johnson to recommend the City Council add a tree study is to be done at the Jewel Melvin Park and ensure that comparable number of trees are planted around the city to replace the trees that are removed for the new stormwater drainage, and to have these provisions included or documented in the 90% construction plans. Additionally, remove all palm trees that are depicted in the approved landscaping plans, with Committee member Weidenhamer providing the second. The motion passed with a unanimous vote of 4-0.

➤ **Parks & Recreation Destin Dog Park Adoption**

The members discussed their responsibilities for and how they need to schedule their duties, since they cannot all show up at the same time, allowing staff to create a proposed schedule that they can review at their next meeting.

Motion to have staff a proposed schedule for review at their next meeting for cleaning the Dog Park. Committee member Birch provided the second, the motion passed 4-0.

➤ **Children's Park New Equipment**

Mr. Reed explained to the members the different components that will be coming into the park. Chairwoman Trammell suggested instead of the normal green screening that goes on the fencing to have more of a children theme for the fence screening.

7. MEMBER COMMENTS:

Autumn Weidenhamer – Spoke of how she would like to bring back the Pooch Palooza to raise funds for the dog park, and how she would like to see the Dog Park resodded with new grass in the areas that are all dirt. Staff explained how many times the sod has been replaced and how it is an ongoing issue because of heavy use and dogs digging.

She also spoke of how she would like to see a little library installed in one of the city parks for people to be able to use while on vacation or leave a book they brought or bought while here. She mentioned a website/app that tracks locations to help people find them.

Joshua Cowsert – Mentioned how he volunteers at his church's Youth Group and always has teens and young adults speak to him about the need to have a Skate Park.

- **Public Comment – Beckah Manley**

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Spoke of being the Chair of the Destin Rotary Club and her latest passion project to have encouragement messages painted on the bus stop at the corner of Kelly Street and Benning Drive. She provided a brief background of how she saw something similar while out of town and thought it was a great idea. She mentioned how she's already spoken to several entities and has everything lined up to be donated so, there would be no cost to the city, she has spoken to staff about it, and felt that she needed to present her idea to this committee first to get their support before going before Council.

Chairwoman Trammell made the motion that the Parks & Recreation Committee is in support of the mural design at the bus stop on Kelly Street with Committee member Cowsert providing the second. The motion passed with a unanimous vote of 4-0.

Mayor Wagner again spoke briefly on the Florida Sun Trail, being a regional path to connect from the Marler Bridge to the Walton County line, and how he's working on getting it identified for future funding through the FDRP for matching grant funds from anywhere between \$50k to \$250k per project. He also spoke of how once the Parks Foundation is finalized, he has plans for a Mayor's Ball to raise funds.

ADJOURNMENT:

Having no further discussions, the meeting adjourned at 6:30 PM.

Adopted and approved this ____ day of _____ 2024.

Sandy Trammell, Chairwoman

Kim Montgomery, Deputy City Clerk

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CITY OF DESTIN – COMMUNITY DEVELOPMENT



AGENDA ITEM

MEETING DATE: August 27, 2024

BOARD/COMMITTEE: Parks & Recreation Committee

TYPE OF AGENDA ITEM: Action Item

OUTLINE NUMBER: 5.A.

TO: Parks & Recreation Committee

THRU: Tina Deater, Community Development Director
Lisa Firth, Parks & Rec Director

FROM: Ryan Scott, City Engineer

DATE: August 14, 2024

SUBJECT: Boardwalk Under the Bridge – Concept Plan

I. BACKGROUND:

On January 22, 2024, Staff brought the *“Boardwalk Under the Bridge & PD&E/US98/Stahlman Ave Study Update”* agenda item to the Council for consideration. The following motion was made:

“Motion by Councilmember Hebert, seconded by Councilmember King, to direct the City Manager to negotiate with Baskerville-Donovan, Inc. and bring back a revised contract that combines the PD&E Study and One Harbor Boardwalk Extension project into one contract for a future city council meeting- Motion passed 6-0.”

On May 20, 2024, Staff brought the *“Baskerville-Donovan- Boardwalk Under the Bridge and PD&E Study contract”* agenda item to the Council for consideration. The following motion was made:

“Motion by Councilmember Stephens, seconded by Councilmember King, to approve the Baskerville-Donovan, Inc. contract and related internal budget transfer, and to direct the City Manager to issue a Notice to Proceed,-Motion passed 7-0.”

II. DISCUSSION: Staff has since been working with BaskervilleDonovan, Inc. on the project and have worked up to a concept design for consideration and discussion.

A. Link to Strategic Goals / Objectives:

- II. Enhanced quality of life and safety for families
- III. Economic development and revitalization
- IV. Effective, efficient, and aesthetically pleasing infrastructure

V. Improve mobility and connectivity

B. Effect on Budget (EOB): The project is currently budgeted for design and permitting.

C. Level of Service (LOS): Improves mobility and connectivity.

D. Legislative Sponsor:

III. CONCLUSION: The Boardwalk Under the Bridge aims to divert pedestrian traffic from crossing at US-98 & Stahlman Avenue, providing a safer route under the Marler Bridge to the Harbor Boardwalk. It also serves as a critical segment of the Florida Sun Trail in Destin, guiding users safely to the Marler Bridge. This concept can be used to initiate discussions with the Florida Department of Transportation (FDOT) and the Legendary group, key partners necessary for the project's realization. The concept design ensures an ADA-compliant pathway from public parking at Sibert Avenue and Zerbe Street to the Harbor Boardwalk, while minimizing impact on the One Harbor parcel to preserve its potential for future park development.

IV. RECOMMENDED MOTION:

I move to recommend to City Council to move forward with the Boardwalk Under the Bridge concept as presented and to have Staff work with the Consultant towards 30% plans.

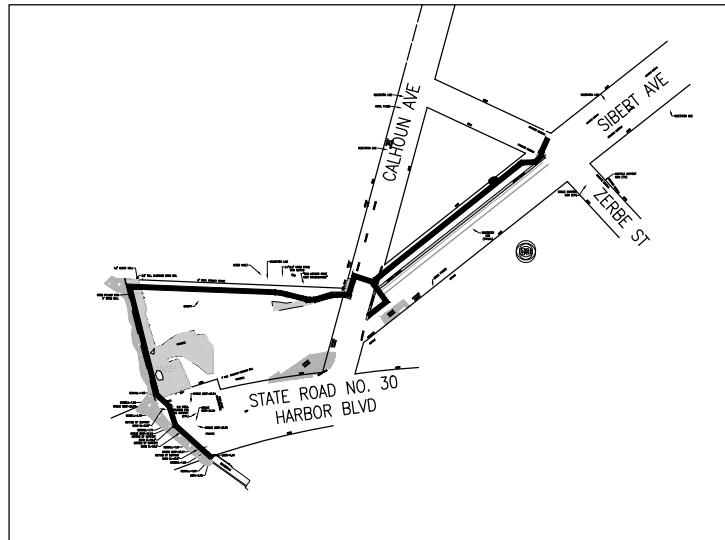
ALTERNATE MOTION:

I move to recommend City Council move forward with the Boardwalk Under the Bridge concept with the following revisions:

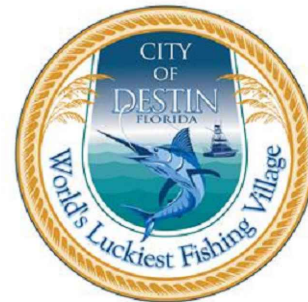
Attachments:

1. Destin Boardwalk_8-22-24

CONSTRUCTION PLANS FOR BOARDWALK UNDER THE BRIDGE AND PD&E STUDY



VICINITY MAP
SCALE: 1"=200'



INDEX OF PLANS

G-000	COVER SHEET, LOCATION MAP, VICINITY MAP & INDEX
G-001	GENERAL NOTES
C-001	DRAINAGE BASIN MAP
C-100	OVERALL/KEY PLAN
C-101-102	EXISTING CONDITIONS PLAN
C-103-104	DEMOLITION AND EROSION CONTROL PLAN
C-105	CONTROL PLAN
C-106-107	OVERALL STAKING PLAN
C-108-109	GRADING PLAN
C-110	SEAWALL RESTORATION
C-111	SIGNING AND STRIPING PLAN

AUGUST 2024

PROJECT NO. 48207.01

PREPARED BY

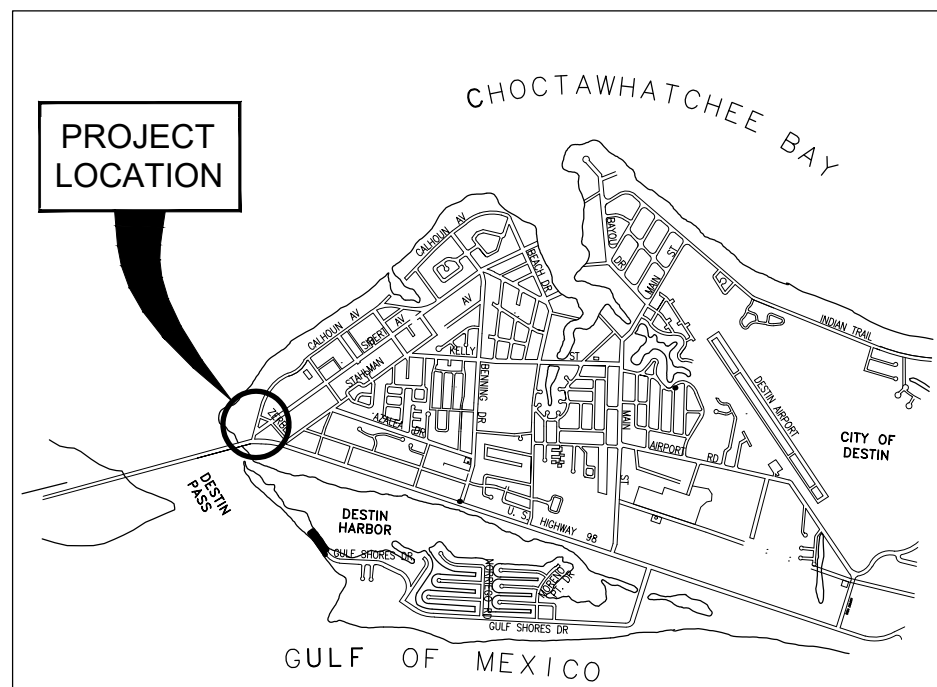


BASKERVILLE-DONOVAN, INC.
ENGINEERING THE SOUTH SINCE 1927

449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340

Pensacola - Panama City Beach - Tallahassee - Mobile

30% SUBMITTAL



LOCATION MAP
SCALE: 1"=2500'



UTILITY CONTACT INFORMATION:

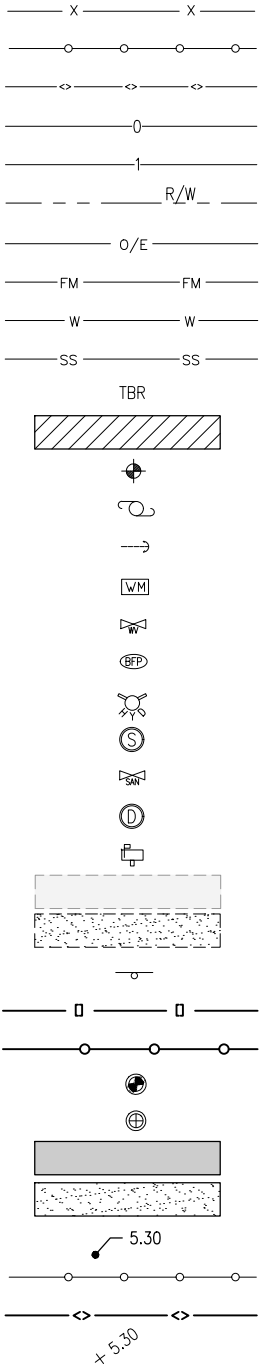
WATER & SEWER
DESTIN WATER USERS
218 MAIN STREET
DESTIN, FL 32541
(850) 837-4930

CENTURY LINK
411 MARY ESTHER CUTOFF
FT. WALTON BEACH, FL 32548
(850) 244-1150

FLORIDA POWER & LIGHT
140 HOLLYWOOD BLVD SW
FT. WALTON BEACH, FL 32548
(850) 255-5797

OKALOOSA GAS DISTRICT
20 HUGHES ST NE
FT. WALTON BEACH, FL 32549
(850) 729-4700

DESTIN FIRE CONTROL DISTRICT
848 AIRPORT ROAD
DESTIN, FL 32541
(850) 837-8413



LEGEND

- CHAINLINK FENCE
- ALUMINUM HAND RAIL
- GUARD RAIL
- EX. MAJOR CONTOUR
- EX. MINOR CONTOUR
- RIGHT-OF-WAY
- EX. OVERHEAD ELECTRIC
- EX. FORCE MAIN
- EX. WATER MAIN
- EX. SANITARY SEWER MAIN
- TO BE REMOVED
- TO BE REMOVED
- BENCH MARK
- EX. POWER POLE
- EX. GUY WIRE
- EX. WATER METER
- EX. WATER VALVE
- EX. BACKFLOW DEVICE
- EX. FIRE HYDRANT
- EX. SANITARY SEWER MANHOLE
- EX. SANITARY SEWER VALVE
- EX. STORM DRAINAGE MANHOLE
- EX. MAILBOX
- EX. ASPHALT PAVEMENT
- EX. CONCRETE
- EX. SIGN
- SILT FENCE
- FLOATING TURBIDITY BARRIER
- SET CAPPED IRON ROD #0340
- EX. CAPPED IRON ROD
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED SPOT ELEVATION
- PROPOSED HAND RAIL
- PROPOSED GUARD RAIL
- EX. SPOT ELEVATION

GENERAL NOTES:

- THE CONTRACTOR IS CAUTIONED TO VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING.
- B.M. DATUM IS 1988 NAVD.
- THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE EXACT LOCATIONS AND DEPTHS OF ALL UTILITIES INCLUDING, BUT NOT LIMITED TO, WATER LINES, FORCEMAINS, BURIED TELEPHONE LINES, BURIED ELECTRICAL LINES AND GAS MAINS PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR IS TO COORDINATE WITH UTILITY COMPANIES FOR REMOVAL AND/OR RELOCATION OF EXISTING UTILITY POLES, AERIAL LINES, BURIED CABLE AND OTHER UTILITIES.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY CONFLICTS BETWEEN CONTRACT DOCUMENTS AND EXISTING CONDITIONS. THESE DRAWINGS REPRESENT KNOWN STRUCTURES AND UTILITIES LOCATED IN THE PROJECT AREA. THE CONTRACTOR IS CAUTIONED THAT OTHER STRUCTURES AND UTILITIES, ABOVE OR BELOW GROUND, MAY BE ENCOUNTERED DURING THE COURSE OF THE PROJECT. THE CONTRACTOR SHOULD NOTIFY THE UTILITY, THEN THE ENGINEER, IMMEDIATELY UPON ENCOUNTERING ANY UNEXPECTED STRUCTURE, UTILITY LINE, OR OTHER UNUSUAL CONDITION.
- CONTRACTOR SHALL SAFETY-BARRICADE ALL EXCAVATIONS AND OTHER HAZARDS.
- CONTRACTOR SHALL PROVIDE ACCESS TO PROPERTIES ADJACENT TO THE CONSTRUCTION AREAS. ADEQUATE BARRICADES, CONSTRUCTION SIGNAGE AND OTHER TRAFFIC CONTROL DEVICES SHALL BE PROVIDED IN ACCORDANCE WITH FDOT CONSTRUCTION STANDARDS.
- THE CONTRACTOR SHALL EMPLOY THE USE OF SILT FENCES, HAY BALES, DITCHES OR WHATEVER MEANS NECESSARY TO CONTROL EROSION AND SEDIMENTATION AT ALL TIMES. WATERS OF THE STATE, ADJACENT PROPERTIES, AND ANY NEW DRAINAGE CONSTRUCTION SHALL BE PROTECTED DURING THE CONSTRUCTION PERIOD. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND SHALL REMAIN UNTIL THE COMPLETION OF CONSTRUCTION AND ACCEPTANCE BY THE OWNER.
- ADEQUATE PROVISIONS SHALL BE MADE FOR THE FLOW OF SEWERS, DRAINS, WATER COURSES AND OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION.
- ALL PAVEMENT CUTS SHALL BE SAW CUT.
- ALL NEW CONCRETE FOR SITE WORK SHALL ACHIEVE A 28 DAY STRENGTH OF 3000 PSI (MIN.), UNLESS OTHERWISE SPECIFIED.
- ALL ON-SITE GRADING, DRAINAGE AND PAVEMENT WORK SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DUST CONTROL.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED RIGHTS-OF-WAY IN ACCORDANCE WITH THE EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL HIRE A SURVEYOR LICENSED IN THE STATE OF FLORIDA IN ACCORDANCE WITH SECTION 12.0 OF THE GENERAL CONDITIONS.
- THE CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS.
- CONTRACTOR SHALL COMPLY FULLY WITH ALL PERMIT REQUIREMENTS IMPOSED BY THE REGULATORY AUTHORITIES.
- NOTIFY SUNSHINE UTILITIES TWO FULL BUSINESS DAYS IN ADVANCE PRIOR TO DIGGING WITHIN THE RIGHT-OF-WAY; 1-800-432-4770. CONTRACTOR SHALL VERIFY DEPTH AND LOCATION AND IMMEDIATELY NOTIFY ENGINEER OF CONFLICTS.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF DESTIN 48 HOURS PRIOR TO INITIATING ANY WORK IN THE CITY OF DESTIN RIGHTS-OF-WAY.
- TYPE B STABILIZATION IS INCIDENTAL TO EARTHWORK.
- ALL PIPE JOINTS, INCLUDING CONNECTIONS TO STRUCTURES, SHALL BE WRAPPED WITH FILTER FABRIC IN ACCORDANCE WITH FDOT DESIGN STANDARDS AND THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

GENERAL NOTES
AND
LEGEND

G-001

BOARDWALK UNDER THE
BRIDGE AND PD&E
STUDY

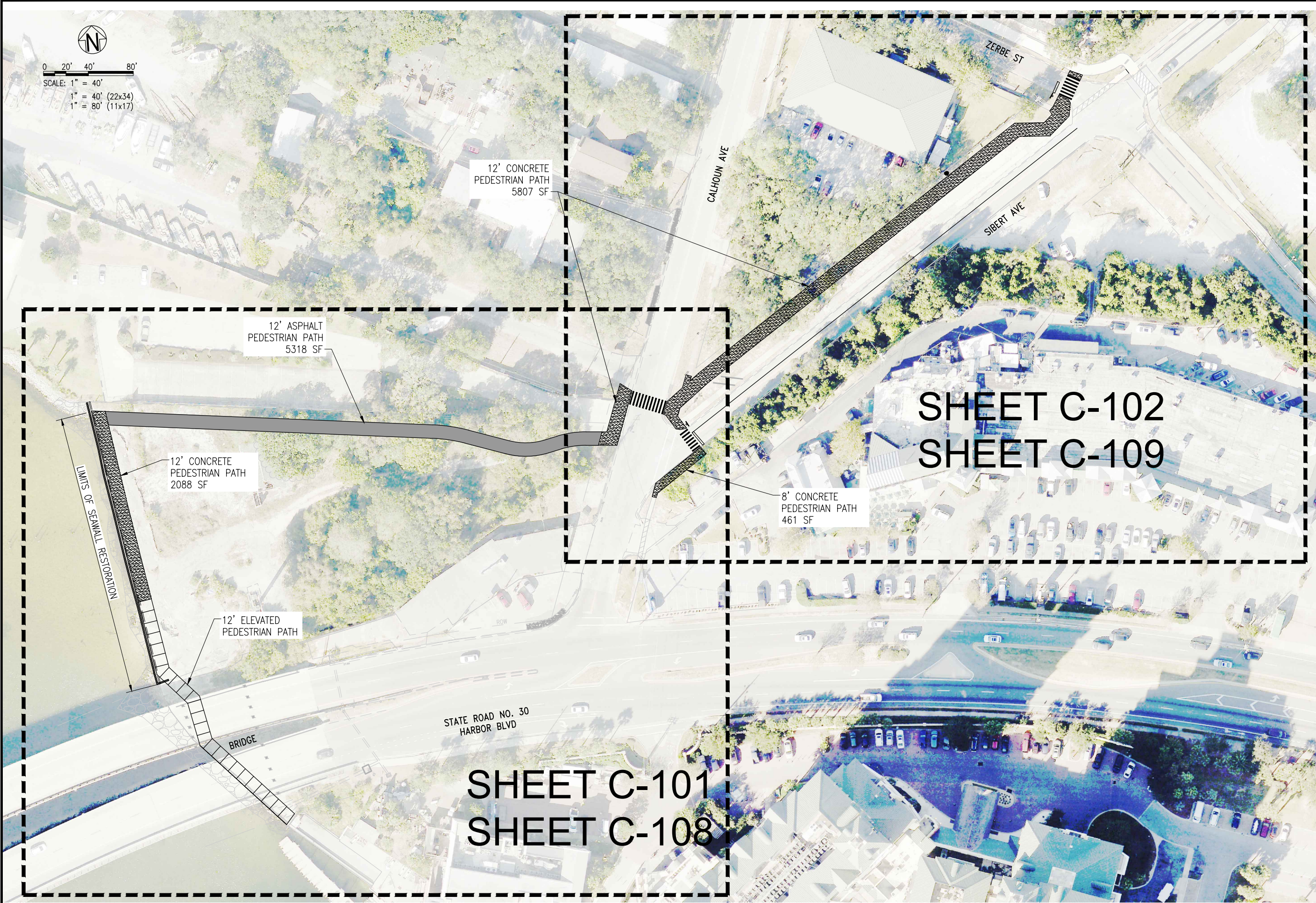
PROJECT NO:	NO.	DATE	APPR.	REVISION / ACTION	TAKEN
48207.01					
DESIGNED BY: NLL					
DRAWN BY: RGG					
CHK'D BY: JUF					
PROJ. MGR: JUF					
DATE: AUG 2024					

**BASKERVILLE-DONOVAN, INC.**
ENGINEERING THE SOUTH SINCE 1927

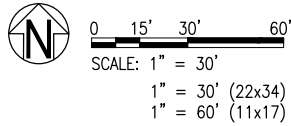
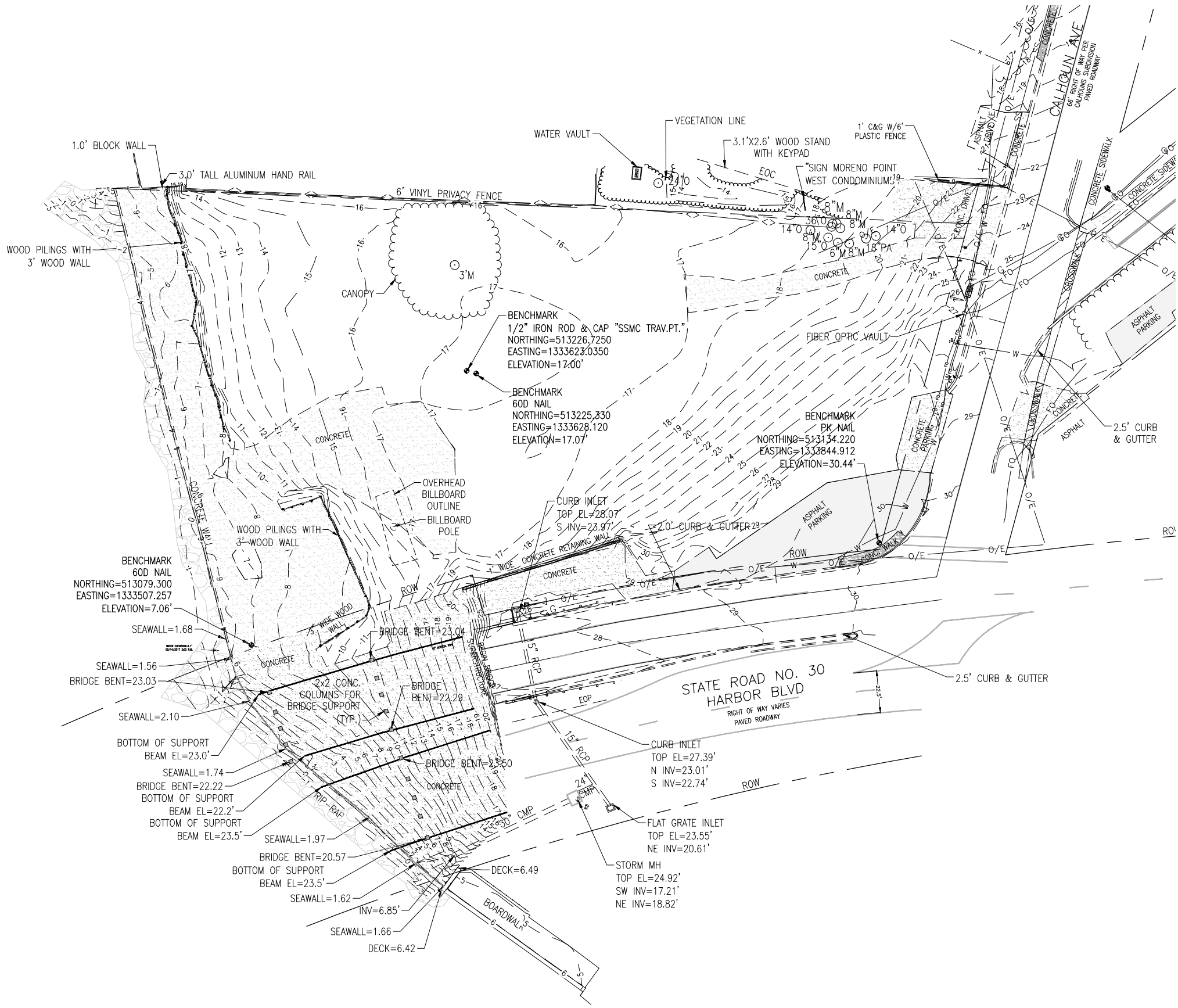
449 W. MAIN ST., PENSACOLA, FL 32502 (850) 438-9861
Pensacola - Panama City Beach - Tallahassee - Mobile
ENGINEERING BUSINESS: EB-00000340

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PROJECT NO:	48207.01	NO.	DATE	APPR.	REVISION/ACTION	TAKEN
DESIGNED BY:	JFF					
DRAWN BY:	RG					
CHKD BY:	MDL					
PROJ. MGR:	JFF					
DATE:	AUG 2024					
NOT RELEASED FOR CONSTRUCTION BY						DATE



SEE SHEET C-102 FOR CONTINUATION

EXISTING CONDITIONS
PLAN

BOARDWALK UNDER THE
BRIDGE AND PD&E
STUDY

BASKERVILLE-DONOVAN, INC.
ENGINEERING THE SOUTH SINCE 1927

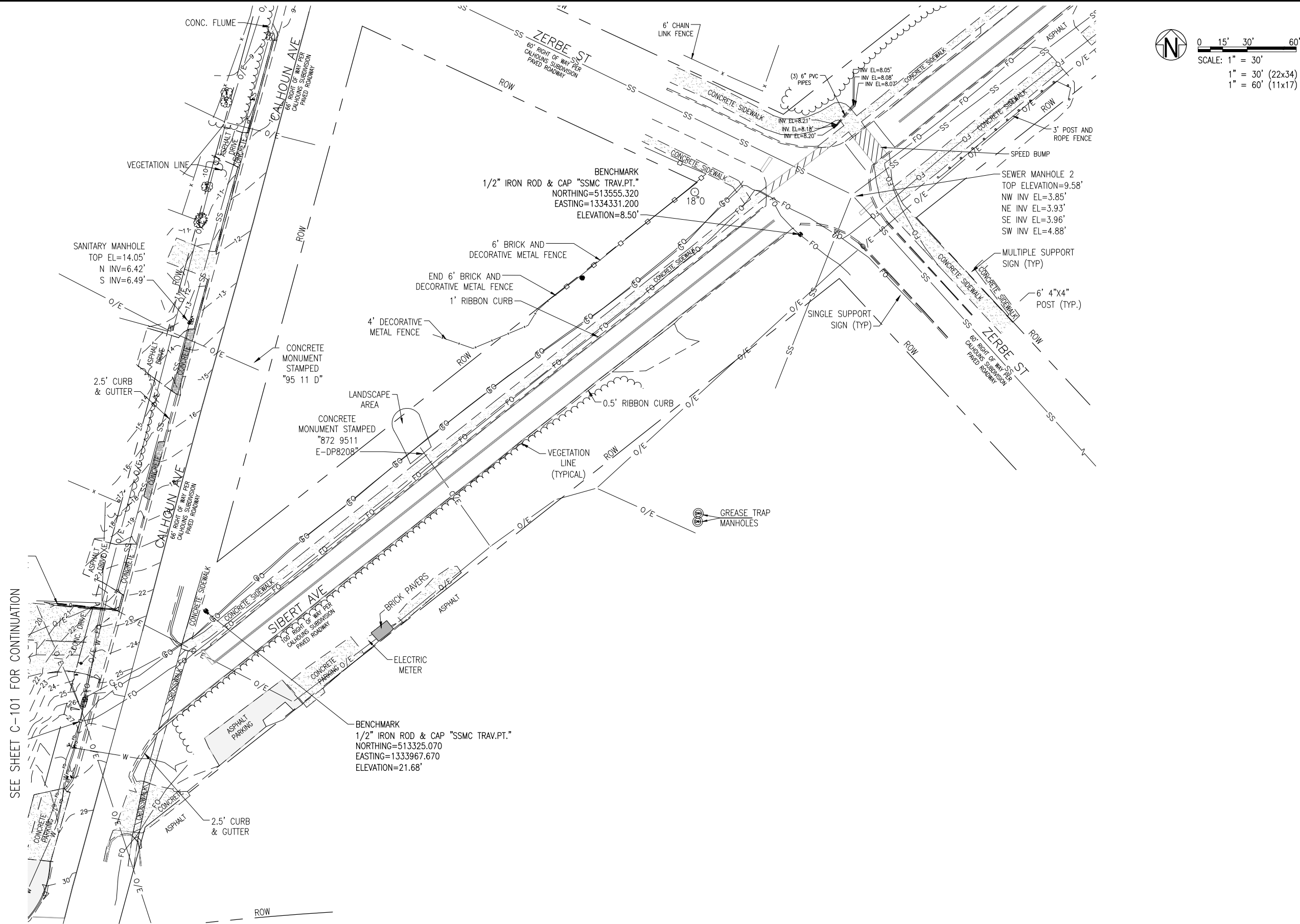
449 W. MAIN ST., PENSACOLA, FL 32502 (850) 438-9861

ENGINEERING BUSINESS: EB-00000340

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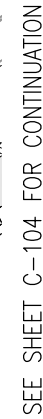
C-101

PROJECT NO.	NO.	DATE	APPR.	REVISION/ACTION TAKEN
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DESIGNED BY: JUF				
DRAWN BY: RGG				
CHK'D BY:				
PROJ. MGR: JUF				
DATE: AUG 2024				
NOT RELEASED FOR CONSTRUCTION BY				DATE



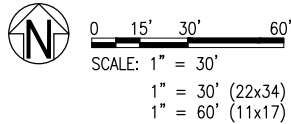
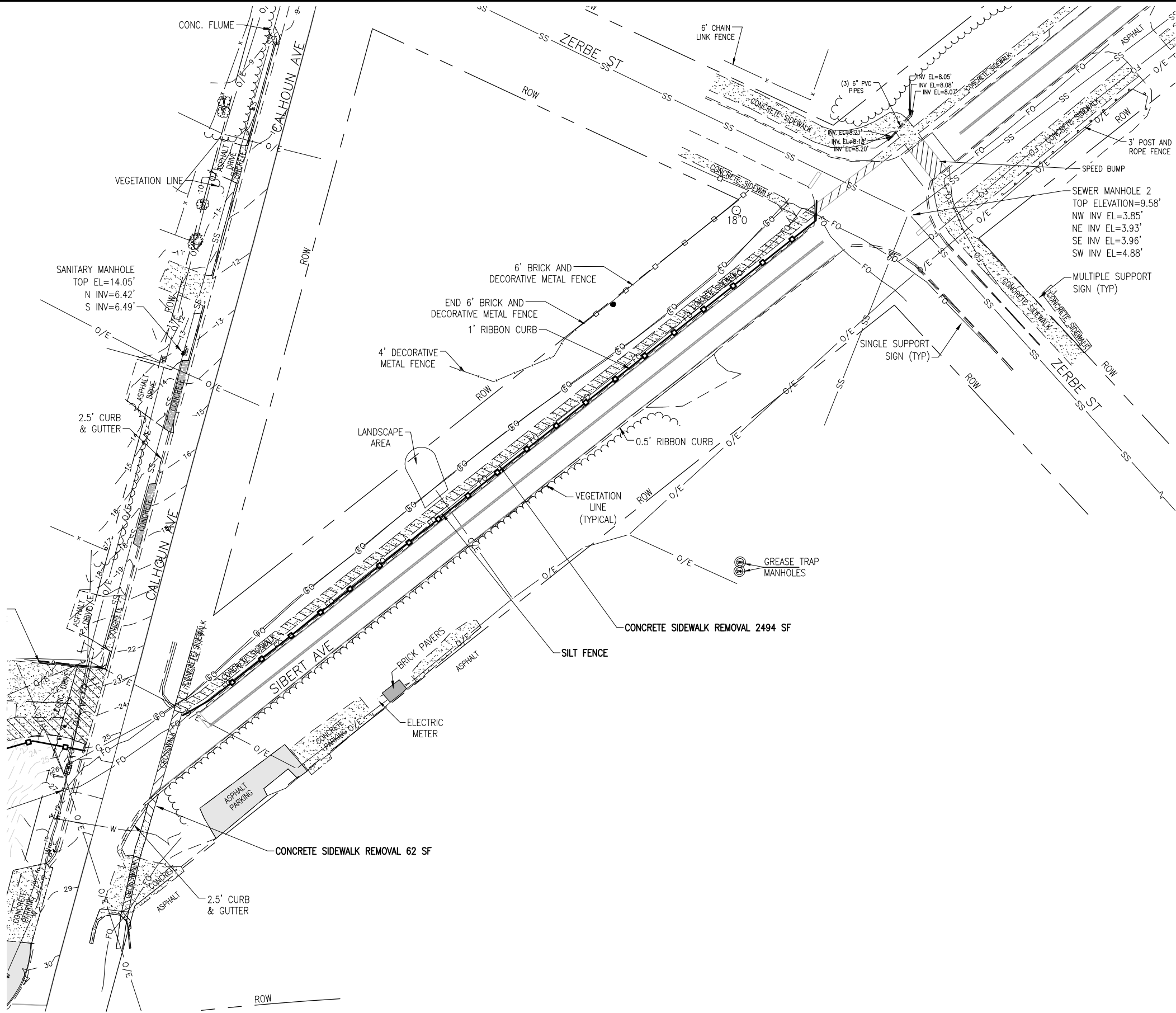



SCALE: 1" = 30'
 1" = 30' (22x34)
 1" = 60' (11x17)

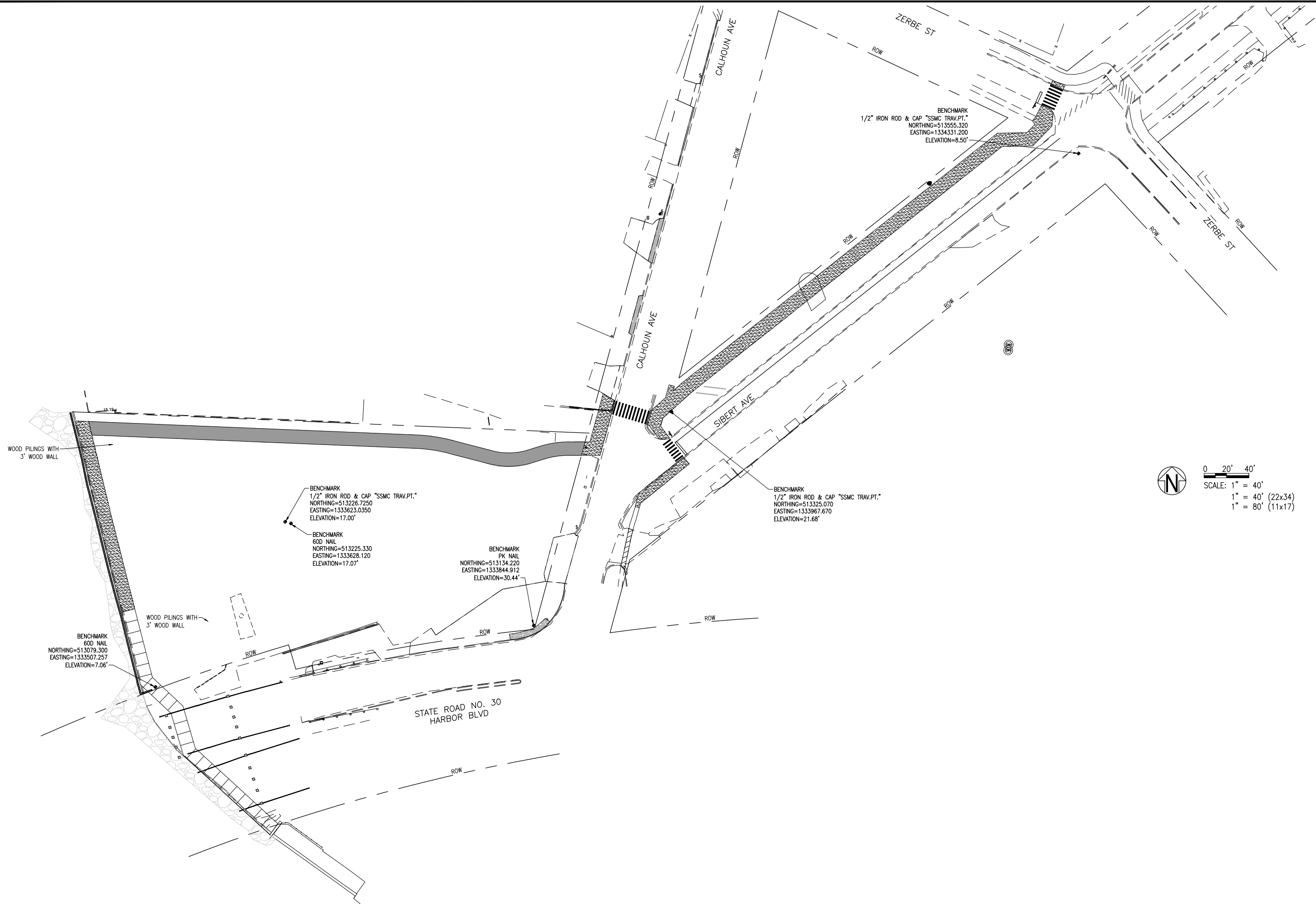


C-103

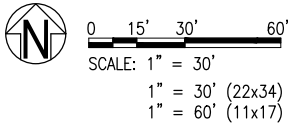
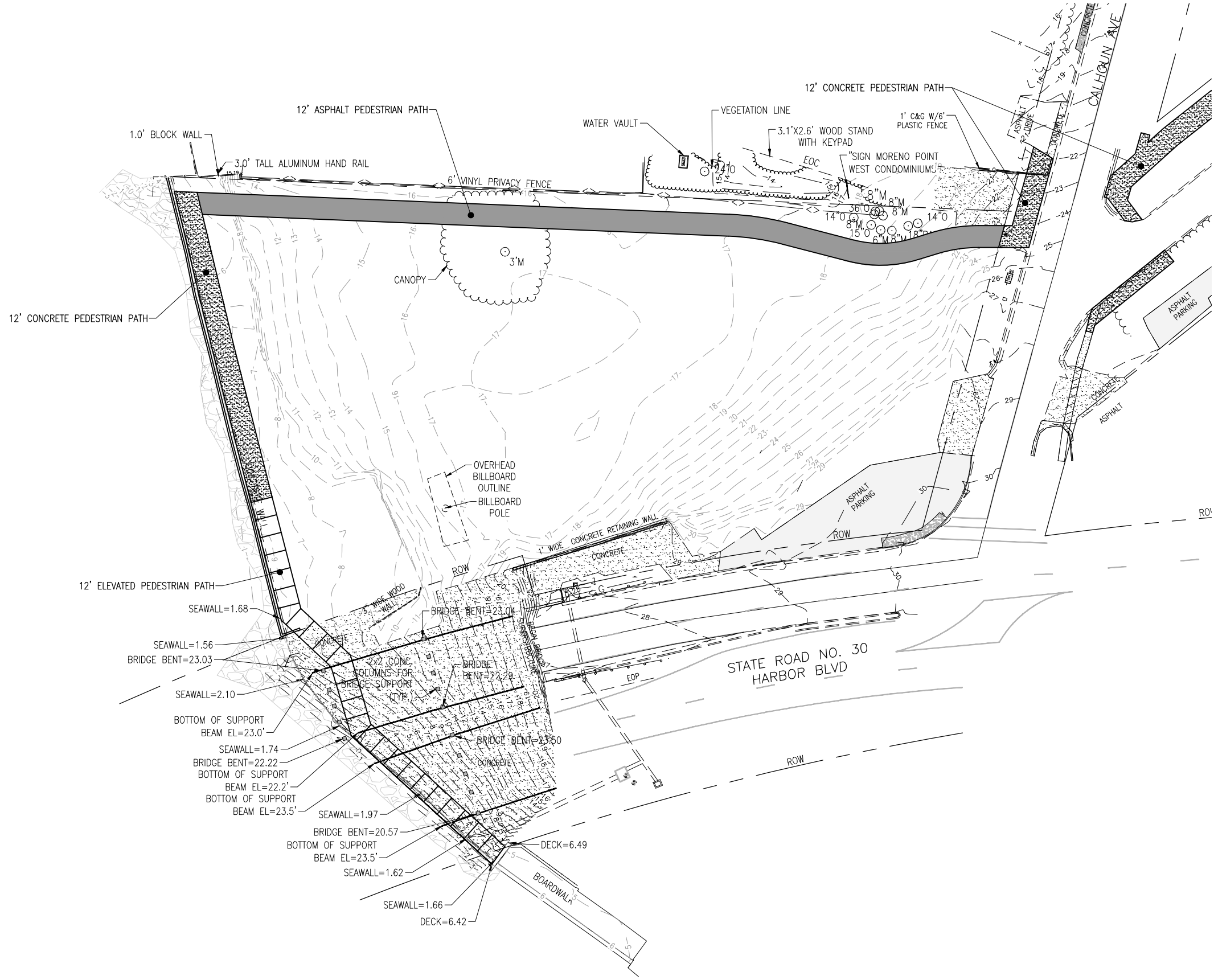
SEE SHEET C-103 FOR CONTINUATION



BASKERVILLE-DONOVAN, INC. ENGINEERING THE SOUTH SINCE 1927  449 W. MAIN ST., PENSACOLA, FL 32502 (850) 438-9861 Pensacola - Panama City Beach - Tallahassee - Mobile ENGINEERING BUSINESS: EB-0000040 This drawing is the property of BASKERVILLE-DONOVAN, INC. and is not to be reproduced in whole or in part. It is not to be used on any other project and is to be returned upon request.	BOARDWALK UNDER THE BRIDGE AND PD&E STUDY				DEMOLITION AND EROSION CONTROL PLAN	
	PROJECT NO:	48207.01	NO.	DATE	APPR.	REVISION/ACTION TAKEN
	DESIGNED BY:	NLL				
	DRAWN BY:	RG				
	CHKD BY:	JFF				
PROJ. MGR:	JFF					
DATE:	AUG 2024	NOT RELEASED FOR CONSTRUCTION BY		DATE	/	



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GRADING PLAN

BOARDWALK UNDER THE
BRIDGE AND PD&E
STUDY

PROJECT NO:	NO.	DATE	APPR.	REVISION/ACTION	TAKEN
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DESIGNED BY: NLL					
DRAWN BY: RGG					
CHK'D BY:					
PROJ. MGR: JUF					
DATE: AUG 2024					

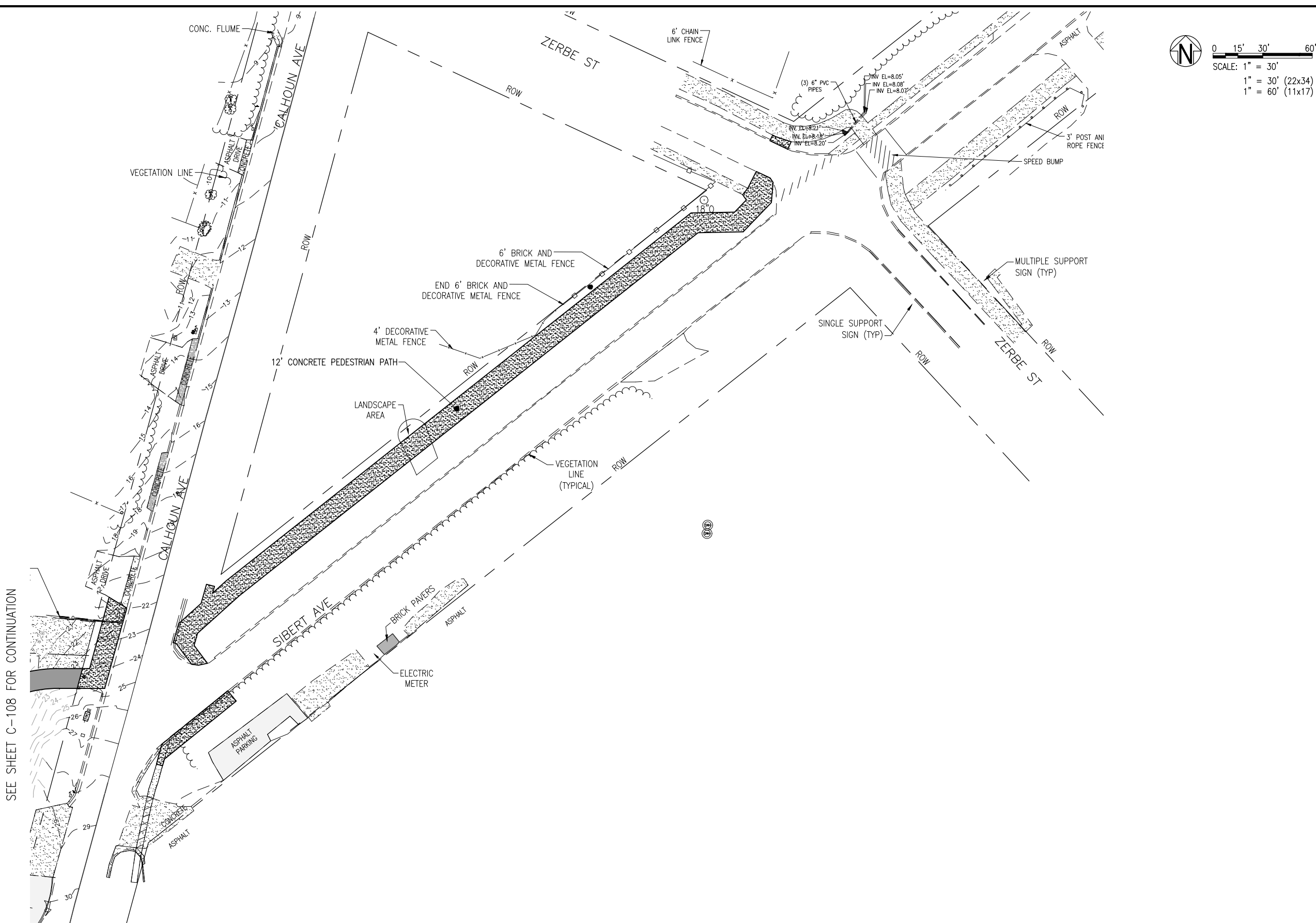
C-108

BASKERVILLE-DONOVAN, INC.
ENGINEERING THE SOUTH SINCE 1927

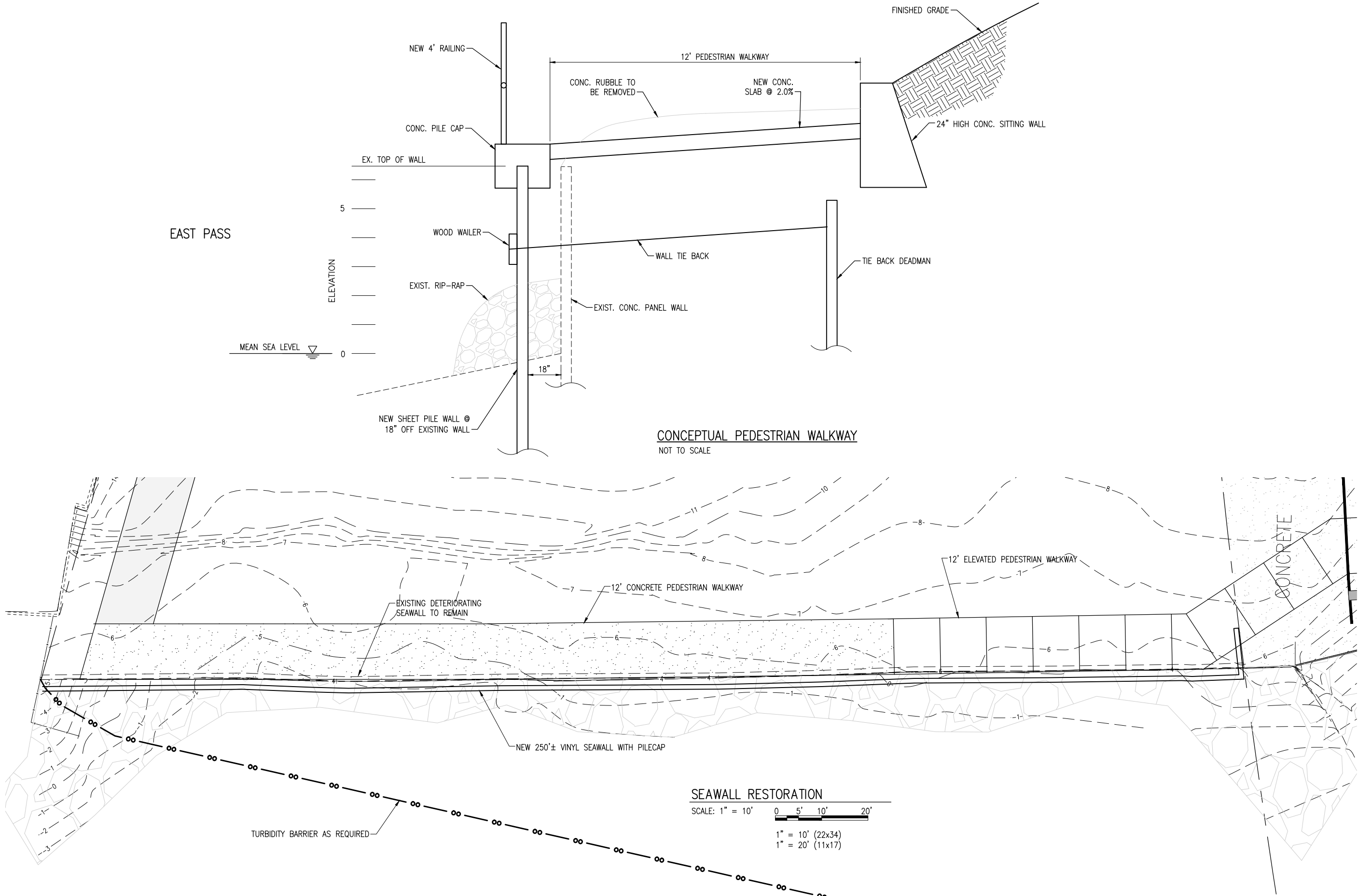
449 W. MAIN ST., PENSACOLA, FL 32502 (850) 438-9861

ENGINEERING BUSINESS: EB-00000340

Pensacola - Panama City Beach - Tallahassee - Mobile
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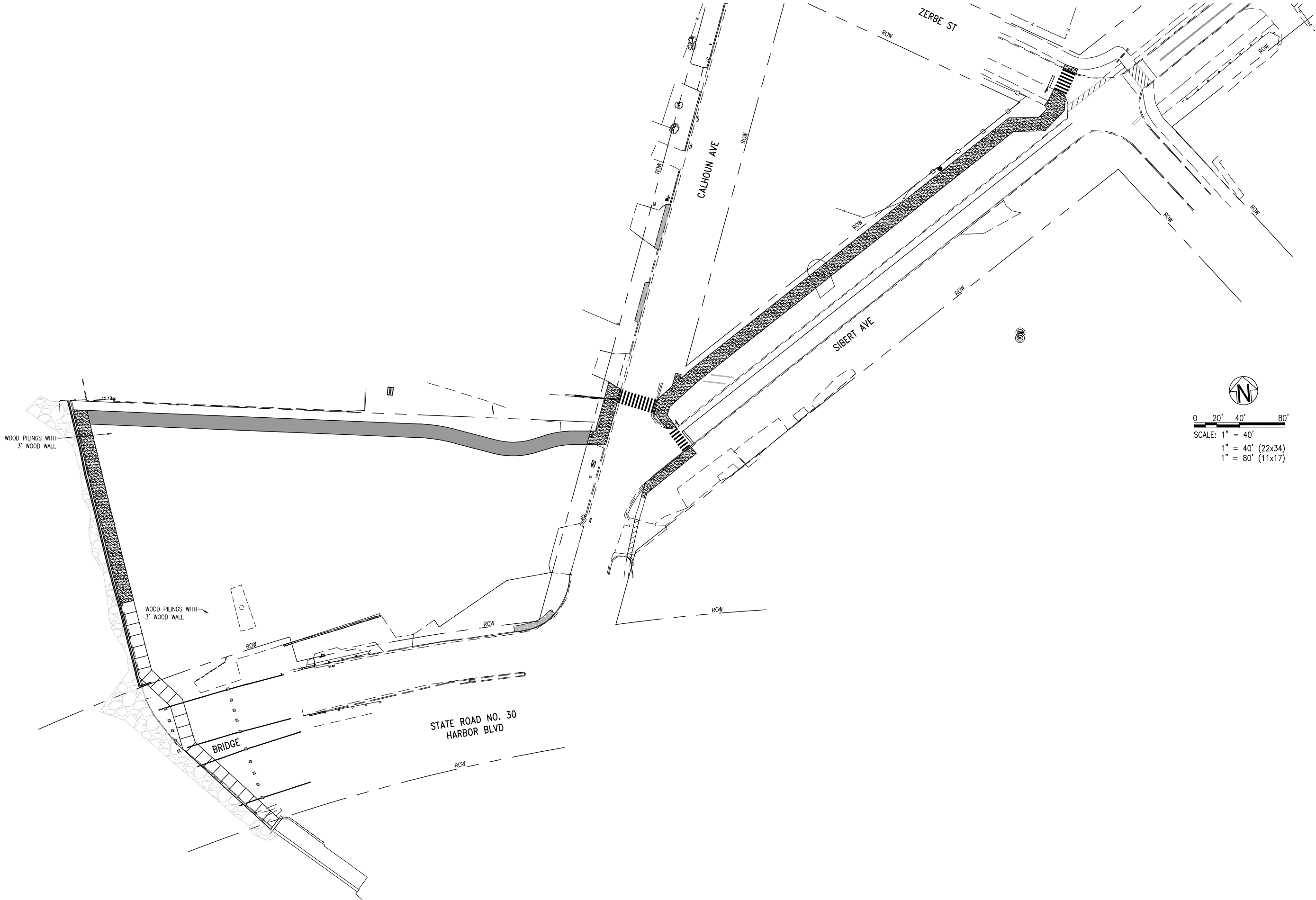


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SEAWALL RESTORATION	PROJECT NO: 48207.01				NO.	DATE	APPR.	REVISION/ACTION	TAKEN
	DESIGNED BY: JF								
C-110	DRAWN BY: RGG								
	CHK'D BY: MDL								
	PROJ. MGR: JF								
DATE: AUG 2024				NOT RELEASED FOR CONSTRUCTION BY DATE					
BOARDWALK UNDER THE BRIDGE AND PD&E STUDY									
BASKERVILLE-DONOVAN, INC. ENGINEERING THE SOUTH SINCE 1927 449 W. MAIN ST., PENSACOLA, FL 32502 (850) 435-9661 Pensacola - Panama City Beach - Tallahassee - Mobile ENGINEERING BUSINESS: EB-00000340 This drawing is the property of BASKERVILLE-DONOVAN, INC. and is not to be reproduced in whole or in part. It is not to be used on any other project and is to be returned upon request.									

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C-111

SIGNING AND
STRIPING PLAN

PROJECT NO:	48207.01
DESIGNED BY:	JFF
DRAWN BY:	RG
CHK'D BY:	MDL
PROJ. MGR:	JFF
DATE:	AUG 2024

NO.	DATE	APPR.	REVISION/ACTION	TAKEN

BOARDWALK UNDER THE
BRIDGE AND PD&E
STUDY

**BASKERVILLE-DONOVAN, INC.**
ENGINEERING THE SOUTH SINCE 1927

449 W. MAIN ST., PENSACOLA, FL 32502 (850) 438-9861
ENGINEERING BUSINESS: EB-00000340
Pensacola - Panama City Beach - Tallahassee - Mobile

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CITY OF DESTIN – COMMUNITY DEVELOPMENT



AGENDA ITEM

MEETING DATE: August 27, 2024**BOARD/COMMITTEE:** Parks & Recreation Committee**TYPE OF AGENDA ITEM:** Action Item**OUTLINE NUMBER:** 5.B.**TO:** Parks & Recreation Committee**THRU:** Tina Deater, Community Development Director
Lisa Firth, Parks & Rec Director**FROM:** Ryan Scott, City Engineer**DATE:** August 21, 2024**SUBJECT:** Pickleball Courts – 100% Construction Documents**I. BACKGROUND:**

At the City Council meeting on August 21, 2023, the Council directed staff to engage Jenkins Engineering, Inc. (JEI) to design a pickleball area on Indian Bayou Trail, between the City Hall Annex Building and the Public Works Buildings. On February 5, 2024, after reviewing the 30% design plans, the Council selected Option 1, which includes four courts, a bathroom, and all necessary infrastructure. The Council also instructed staff to collaborate with JEI to develop 60% design plans and present them to the Parks and Recreation Committee and City Council. These plans were reviewed on March 5, 2024, and March 18, 2024, respectively. The 90% Construction Documents were subsequently presented to the Parks and Recreation Committee on May 28, 2024, and to the City Council on June 3, 2024.

II. DISCUSSION:

At the June 3, 2024 City Council meeting where Staff presented the 90% plans, the following motion was made and passed with a 7-0 vote:

City Council Motion: “Motion by Councilmember Bagby, seconded by Councilmember Hebert, to direct the City Manager to work with staff and Jenkins Engineering to move forward to 100% construction documents, obtain the necessary permits, and bring back a draft RFP to the city council at a future meeting.”

“Councilmember asked staff to provide the cost for the Parks and Recreation Committee’s recommendation to 1A and 1B on the drawing sheet for a gravel parking lot to be added for temporary parking during construction of Phase 1.”

A. Link to Strategic Goals / Objectives:

II. Enhance quality of life and safety for families.

III. Economic development and revitalization.

IV. Effective, efficient, and aesthetically pleasing infrastructure.

B. Effect on Budget (EOB): Project approved for FY24 Budget and is being proposed to move forward into the FY25 budget.

C. Level of Service (LOS): Level of service will be increased

D. Legislative Sponsor:

III. CONCLUSION:

Staff has reviewed the plans and is prepared to issue the Development Order, pending approval from the Parks and Recreation Committee and the City Council. Once approved, the project will be put out for bid.

In accordance with the City Council's directive, the Engineer's Opinion of Probable Costs for Phase 1, along with add alternates for Phases 1A and 1B, is included for the Committee's consideration. These should be included in the recommended motion to the City Council.

IV. RECOMMENDED MOTION:

I move the Parks and Recreation Committee recommend that City Council approve the 100% Construction Documents and proceed to the next steps.

ADDITIONAL MOTION:

I move the Parks and Recreation Committee recommend that City Council direct Staff to find additional funding sources to have Phase 1A and Phase 1B included in the initial Phase 1 construction.

Attachments:

1. 23-58 Cost Estimate 08.23.24
2. DO-24-16_Destin Pickleball

Engineer's Preliminary Estimated Cost of Civil Construction

City of Destin Pickleball Courts - Phase 1 (4 Courts)

8/23/2024

SECTION 1 - GRADING

ITEM No.	DESCRIPTION	ENG. EST.	UNIT	UNIT PRICE	AMOUNT
1.1	Mobilization / Demobilization	1	LS	\$5,000.00	\$5,000.00
1.2	Clearing	0.54	AC	\$12,000.00	\$6,427.82
1.3	Construction Staking	1.00	LS	\$6,500.00	\$6,500.00
Total Earthwork =				\$17,927.82	

SECTION 2 - SITE IMPROVEMENTS

ITEM No.	DESCRIPTION	ENG. EST.	UNIT	UNIT PRICE	AMOUNT
2.1	2" Layer Type Sp 9.5 Asph. Conc.	933	SY	\$32.00	\$29,852.44
2.2	8" Graded Aggregate Base	933	SY	\$31.00	\$28,919.56
2.3	12" Compacted Subbase	933	SY	\$4.00	\$3,731.56
2.4	Sidewalk (width varies)	355	SY	\$64.00	\$22,720.00
2.5	Prefabricated Bathroom	1	LS	\$100,000.00	\$100,000.00
2.6	8' Fencing and 6 gates	384	LF	\$45.00	\$17,280.00
2.7	4' Fencing and 2 gates	192	LF	\$35.00	\$6,720.00
2.8	Court Lighting / Electrical	1	LS	\$26,000.00	\$26,000.00
2.9	Finish Grading	2240	SY	\$6.00	\$13,440.00
2.10	Striping & Signage	229	SF	\$20.00	\$4,580.00
2.11	Maintenance of Traffic	1	LS	\$3,500.00	\$3,500.00
Total Roadways =				\$256,743.56	

SECTION 3 - STORM DRAINAGE SYSTEM

ITEM No.	DESCRIPTION	ENG. EST.	UNIT	UNIT PRICE	AMOUNT
3.1	Silt Fence	1160	LF	\$3.50	\$4,060.00
3.2	Type 9 Curb Inlet	0	EA	\$5,800.00	\$0.00
3.3	Type C Inlet	0	EA	\$4,500.00	\$0.00
3.4	Sod	1350	SY	\$6.00	\$8,100.00
Total Storm Drainage System =				\$12,160.00	

SECTION 4 - WATER & SEWER SYSTEMS

ITEM No.	DESCRIPTION	ENG. EST.	UNIT	UNIT PRICE	AMOUNT
4.1	1" Water Service	206	LF	\$32.00	\$6,592.00
4.2	Tapping Sleeve & Valve	1	EA	\$4,500.00	\$4,500.00
4.3	Miscellaneous Fittings	1	LS	\$2,500.00	\$2,500.00
4.3	Simplex Grinder Station & valve box	1	EA	\$22,500.00	\$22,500.00
4.4	2" Forcemain	638	LF	\$24.00	\$15,312.00
4.5	Connection to existing station	1	LS	\$3,500.00	\$3,500.00
4.6	Directional bore	35	LF	\$135.00	\$4,725.00
Total Storm Drainage System =				\$59,629.00	

SECTION 5 - MISCELLANEOUS

ITEM No.	DESCRIPTION	ENG. EST.	UNIT	UNIT PRICE	AMOUNT
5.1	8' Bench with Canopy	2	EA	\$3,100.00	\$6,200.00
5.2	Pickleball Net System	4	EA	\$1,800.00	\$7,200.00
5.3	Court paint (Acrylic / Non slip)	4	EA	\$2,500.00	\$10,000.00
5.4	Landscaping	1	LS	\$7,500.00	\$7,500.00
5.5	Irrigation	1	LS	\$5,000.00	\$5,000.00
5.6	Bicycle Rack	1	EA	\$2,345.00	\$2,345.00
Total Miscellaneous =				\$38,245.00	
SUBTOTAL =				\$384,705.38	
10% Contingency =				\$38,470.54	
TOTAL =				\$423,175.92	

Phase 1A Add Alternate - Temporary Gravel Parking

ITEM No.	DESCRIPTION	ENG. EST.	UNIT	UNIT PRICE	AMOUNT
1A.1	#89 Stone Gravel (3" thick)	94	CY	\$120.00	\$11,280.00
1A.2	Grading	1120	SY	\$6.00	\$6,720.00
1A.3	Grassing (4' back of gravel)	312	SY	\$6.00	\$1,872.00
TOTAL =				\$19,872.00	

Phase 1B Add Alternate - Two Shade Structures

ITEM No.	DESCRIPTION	ENG. EST.	UNIT	UNIT PRICE	AMOUNT
1B.1	8' Bench with Canopy	2	EA	\$3,100.00	\$6,200.00
TOTAL =				\$6,200.00	



Community Development Department

Office of the Director

4100 Indian Bayou Trail | Destin, FL 32541 | Phone: 850-654-1119 | Email: planning@cityofdestin.com

August 26, 2024

Development Order No. 24-16

Final Development Order:

CITY OF DESTIN PICKLEBALL COURTS MINOR DEVELOPMENT ORDER (DEV-001417-2024)

Based upon the City's approval and issuance of this Development Order on August 26, 2024, this document will serve as the Final Development Order for the proposed subject project(s), and includes all of the provisions and conditions in the attached Technical Review Committee Report.

The approved project scope includes the phased construction of twelve (12) pickleball courts and two (2) multi-use courts, for a total of fourteen (14) courts, as well as an associated restroom facility, court lighting, shade structures, and the associated site infrastructure. This approved Development Order is for the property located and described below:

4100 Indian Bayou Trail & 3949 Commons Drive
Destin, FL 32541
Parcel IDs: 00-2S-22-0000-0001-A13A & 00-2S-22-0000-0001-A13Q

DETERMINATIONS:

1. This final development order is in accordance with the approved construction documents, which is inclusive of the Technical Review Committee Report (Exhibit A), Destin Water Users (DWU) approval with conditions (Exhibit B), Destin Fire Control approval with conditions (Exhibit C), Civil Plans (Exhibit D), and Lighting Plans (Exhibit E), dated approved August 26, 2024.
2. All the findings and requirements of the Technical Review Committee Report are incorporated herein.

CONDITIONS OF APPROVAL:

SPECIFIC CONDITIONS:

1. Any sidewalk damaged during construction shall be replaced from joint to joint. 4" thick minimum, 4000 psi with fiber, and a light broom finish. Where sidewalk cuts through a driveway, concrete shall be a minimum of 6" thick, per ***LDC Section 8.01.00.G.6.g.***
2. Due to potential of accessway to the South of Phase 6 being used by through traffic, a speed

control device will be necessary.

3. Any infrastructure damaged during construction, repair the right-of-way to original or better condition, per *LDC Section 8.01.00.A*.
4. The irrigation within the proposed project limits shall be designed and constructed by the City of Destin Parks and Recreation Dept. after construction is complete. All disturbed areas shall be completed with ground cover.
5. Per Anthony Peterson, Airports Operations Manager of Okaloosa County Airports, please ensure high reach construction equipment and possibly any parking lighting poles are reviewed by the FAA prior to construction. Communication from the contractor/any high reach equipment operator to the Destin Executive Air Traffic Control Tower is required prior to going vertical.
6. Applicant shall comply with all Destin Water Users (DWU) and Destin Fire Control District conditions of approval outlined in the corresponding approval letters.

GENERAL CONDITIONS:

1. Pursuant to the City of Destin Land Development Code:

Construction of infrastructure must commence within one (1) year of approval date (date from which the Final Development Order is issued by the Community Development Department) of the Final Development Order on **August 26, 2024** (no later than **August 26, 2025**) and must be completed as shown on plans approved by the Technical Review Committee.

WARNING: If the applicant/owner has not obtained a building permit(s) for either the construction of infrastructure or construction of the entire project and that construction has not commenced within one (1) year of issuance of the final development order, the final development order will become null and void and the application for development order approval must be re-initiated (*Land Development Code (LDC) Section 2.21.00*).

NOTE: Construction of infrastructure shall be defined as site work, grading, or other construction activity (not including clearing and grubbing or demolition of existing structures) related to installation of roadways, access drives, parking lots, underground utilities, stormwater or drainage facilities, or building foundations (*LDC Section 2.21.00*).

NOTE: An applicant/owner who desires to extend the twelve (12) month (1 year) deadline for either the construction of infrastructure or construction of the entire project must submit a written request to the Community Development Department, no less than thirty (30) days prior to the expiration of the twelve (12) month deadline to obtain a building permit and commence construction of infrastructure or construction of the entire project. The applicant may receive only one extension, and such extension shall not exceed one year. The applicant/owner should review *LDC Section 2.21.00* for further explanation of the Development Order extension process.

2. If the applicant fully complies with the requirements of Condition No. 1. above, the concurrency capacity allocation status for “City of Destin Pickleball Courts” will be protected. **However, the protected concurrency status will be lost and the application for development order**

approval must be re-initiated if:

- A. **Construction permit(s) in association with construction of infrastructure or construction of the entire project are not obtained in accordance with *LDC Section 2.10.00* to maintain concurrency, or**
- B. **Construction activity ceases for a period of one (1) year after a building permit for construction of infrastructure or construction of the entire project has been issued so that concurrency is not maintained under *LDC Article 6*.**

3. The applicant must obtain City of Destin permits for the following activities on and off site (these may require bonding):

- A. Disturbance of the City's Right-Of-Way.
- B. Pavement cuts.
- C. Construction of any kind.
- D. Clearing, grubbing, or demolition.
- E. Paving, grading, drainage, sidewalks.
- F. Signage.
- G. Installation of utilities.
- H. Construction trailers.
- I. Site Screening.

4. The following items must be addressed in the appropriate order:

- A. **Prior to the issuance of any City Permit**, a sign must be posted on the subject property notifying the public of the emergency contact information of the person responsible for the project. Refer to ***LDC 7.01.02(B)*** for details on the size, location and contents of the sign. Additionally, a posting of emergency contact information sign affidavit must be submitted to the Planning Division prior to the issuance of any permits.
- B. **Prior to the Commencement of Construction**, a fence permit, with a copy of the approved Erosion Control, Staging, and Construction Parking Plan for the site must be submitted and approved by the City. The submitted plan shall also indicate the location of the Construction Site Screening. Said screening must meet the requirements set forth in ***Destin Code of Ordinances, Section 6-51 Screen Criteria***.
- C. **Prior to the issuance of any City Permit**, obtain a Florida Department of Environmental Protection (FDEP) National Pollutant Discharge Elimination System (NPDES) permit and submit a copy to the City Engineer, if applicable. Provide a copy of the Stormwater Pollution Prevention Plan (SWPPP) as required for the NPDES permit for all construction disturbance over 1 acre.
- D. **Prior to the issuance of any City Permit**, a copy of the Northwest Florida Water Management District (NFWMD) storm water permit and a NPDES storm water construction generic Permit (if applicable) approval shall be provided.

- E. **Prior to the issuance of a Certificate of Occupancy**, the developer/owner, engineer of record and the contractor shall make themselves familiar with ***LDC Article 11.09.00., Illicit Discharge***, and shall comply with the codes, or be subject to enforcement.
- F. **Prior to the issuance of a Certificate of Occupancy**, all applicable Impact Fees and other outstanding costs associated with this project that are owed to the City must be paid in full. The fee below is an ***estimate only*** and represents the Impact Fee rate as currently adopted. The fee will be reevaluated and assessed based on the fees adopted at the time of Building Permit application submittal.

Estimated impact fee total: \$227.52

- G. **Prior to the issuance of a Certificate of Occupancy**, the site layout, landscaping, outdoor lighting and architectural design must be inspected and approved by the Community Development Department.
- H. **Prior to the issuance of a Certificate of Occupancy**, all assigned address number(s) for the principal building(s) shall be installed in accordance with ***LDC Section 7.18.04.***



Tina Deater, AICP
Community Development Director
City of Destin

8-26-24

Date



Scott Jenkins, P.E.
Authorized Agent
Jenkins Engineering, Inc.

8-26-2024

Date

APPROVED

By Daniel Butler at 8:49 am, Aug 26, 2024

**EXHIBIT A
TECHNICAL REVIEW COMMITTEE REPORT
CITY OF DESTIN PICKLEBALL COURTS
MINOR DEVELOPMENT ORDER (DEV-001417-2024)**

Applicant: City of Destin
Agent: Jenkins Engineering, Inc.
Location: 4100 Indian Bayou Trail & 3949 Commons Drive
Request: Phased construction of twelve (12) pickleball courts and two (2) multi-use courts, for a total of fourteen (14) courts, as well as an associated restroom facility, court lighting, shade structures, and the associated site infrastructure, as illustrated in Exhibit D.
Parcel Size: ±5.23 acres, ±227,923 square feet
Future Land Use: Institutional (INST)
Zoning District: Institutional (INST)
Density: N/A
Intensity: FAR: 0.50 Allowed; 0.0047 Proposed
Application Date: May 22, 2024
Approved Site Plan Date: August 19, 2024

DISCUSSION/FINDINGS

Jenkins Engineering, Inc., on behalf of the City of Destin, is requesting approval for a Minor Development Order, which includes the phased construction of twelve (12) pickleball courts and two (2) multi-use courts, for a total of fourteen (14) courts, as well as an associated restroom facility, court lighting, shade structures, and the associated site infrastructure. The subject project is located at 4100 Indian Bayou Trail & 3949 Commons Drive (Parcel IDs: 00-2S-22-0000-0001-A13A & 00-2S-22-0000-0001-A13Q), totaling approximately 5.23 acres in total.

COMPREHENSIVE PLAN/LAND DEVELOPMENT CODE

The subject property is within the **Town Center Commons Planning Area**. Also, the property has a Future Land Use Map Designation of **Institutional (INST)** and a Zoning Designation of **Institutional (INST)**. The proposed use is consistent with these land use regulations. The project, as required by the Comprehensive Plan and the Land Development Code, has undergone a compatibility review and meets the minimum requirements.

LAND USE

‘All other amusement and recreation industries’ are a permitted use within the **INST** future land use designation and within the **INST** zoning district.

INTENSITY

Maximum allowed: 0.50 FAR
Provided: 0.0047 FAR

HEIGHT

Maximum allowed: 35' / 3 stories
Provided: 10' / 1 story

SETBACKS

Front required: None

Front provided:	10'
Side minimum required (east):	None
Side provided (east):	±15'
Side minimum required (west):	None
Side provided (west):	±15.5'
Rear minimum required:	None
Rear provided:	±78'

OPEN SPACE

Minimum required:	25%
Provided:	39.5%

PLATTING

There is no platting associated with this application.

CONCURRENCY MANAGEMENT

Concurrency requirements have been met:

Traffic: Signed August 21, 2024

Stormwater Management: Signed August 21, 2024

Potable Water/Sanitary Sewer: Signed June 20, 2024

Solid Waste: N/A.

AIRPORT PROTECTION

As proposed, this project is not affected by nor affects the Destin Executive Airport. The applicant has indicated on the development order application that the proposed project is not within the Airport impact area.

NOTE: If construction necessitates the use of a crane, or other obstruction, which exceeds Federal Aviation Administration FAR 77 Standards (normally 200 feet above ground level), the applicant must request a variance from the FAA for temporary encroachment into this restrictive area and a copy of a completed FAA Form 7460, must be placed on file with the City of Destin prior to the crane, or other obstruction, penetrating the restricted airspace.

TRANSPORTATION ANALYSIS

The traffic analysis, dated August 14, 2024 indicates that this project will generate approximately fifty-three (53) PM peak hour trips. The analysis is consistent with the technical methodology outlined in *LDC Section 6.05.05*.

RIGHT-OF-WAY DEDICATION

The project does not include any right-of-way dedication.

INGRESS/EGRESS

Vehicular access to the property is provided by a two-way access from the Indian Bayou Trail public right-of-way (ROW), with another one-way egress only exiting to the site to the Indian Bayou Trail public ROW.

PEDESTRIAN NETWORK

The project provides a complete pedestrian network as required in **LDC 8.09.03.A(6)**. A continuous on-site internal sidewalk is provided throughout the development.

PARKING:

Required vehicle parking spaces for use

Tennis, handball, and racquetball facilities – 2 spaces per court: 28

Public Administration – 1 space per 300 SF: 35

Park – 1 space: 1

Required vehicle parking spaces for entire site: 64

Provided vehicle parking spaces for entire site: 117

Required bicycle parking spaces for use (10%): 12

Provided bicycle parking spaces: 16

UTILITIES:

All new utilities are required to be underground.

STORMWATER:

The City Manager's Stormwater designee approved the stormwater plan on August 6, 2024.

REFUSE COLLECTION:

All non-construction related dumpsters, trashcans, and recycling bins shall be placed in solid waste collection areas or inside a building. The approved dumpster location within Exhibit D shall not be altered unless a Development Order (DO) Deviation is submitted, reviewed, approved, and issued.

WHITE SANDS ZONE

The proposed project is not located within a White Sand Zone.

LANDSCAPING

Front perimeter/common boundary: Provided

Interior parking landscape: Provided

Buffer zone: Not applicable

Preservation and restoration:

Reforestation trees required: 23

Protected trees to be removed/replaced: 6

Required parking trees: 0

Required street trees: 0

Preserved tree credits: 18

Total required trees: 11

Total trees provided*: 18

***Modification/alteration to any approved species of trees or shrubs shall be reviewed and approved by the Community Development Director or their designee prior to installation. A Development Order (DO) Deviation may be required if the proposed changes do not substantially meet the originally approved landscape plan.**

SIGNS

No signs were reviewed for permitting or compliance with the Development Order application. All proposed signs must be permitted through a sign permit and shall comply with the sign code section of the Destin Land Development Code in effect at the time a sign application is submitted.

IMPACT FEES:

Final impact fee amounts have been developed using the provisions outlined in ***LDC 19.03.05.A***. The impact fees identified below are an ***estimate***. The actual Impact fees will be calculated and assessed at time of building permit submittal.

LAND USE	UNITS (per 1,000 SF)	PARK	LIBRARY	POLICE	TRANS.	TOTAL
Other institutional, per 1,000 SF	0.16	\$0	\$0	\$18.00	\$1,404.00	
<i>Totals</i>		<i>\$0</i>	<i>\$0</i>	<i>\$2.88</i>	<i>\$224.64</i>	<i>\$227.52</i>

OTHER FEES:

NONE

OTHER COMMENTS:

NONE





DESTIN WATER USERS INC.

P.O. BOX 308 DESTIN, FL. 32540-0308 (850)-837-6146

DATE: June 21, 2024

APPROVED

By Daniel Butler at 8:49 am, Aug 26, 2024

TO: THE CITY OF DESTIN – COMMUNITY DEVELOPMENT
4200 TWO TREES ROAD
DESTIN, FLORIDA 32541

EXHIBIT B

PROJECT: City of Destin Pickleball Courts
PROJECT NUMBER: DEV-001417-2024
CONTACT: Scott Jenkins, P.E.
LOCATION: West of 4100 Indian Bayou Trail

☒ X

PROJECT QUESTIONNAIRE WAS COMPLETED AND RETURNED TO DESTIN WATER USERS.

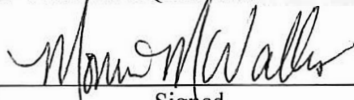
THIS LETTER CERTIFIES THAT THIS PROJECT HAS BEEN REVIEWED BY DESTIN WATER USERS INC. AT A TECHNICAL REVIEW COMMITTEE MEETING AND IS CONCEPTUALLY:

Approved with Comments

(Subject to the following, which shall be a condition of the Developmental Order with the City of Destin)

1. *ALL REVISIONS TO THE WATER AND/OR SEWER UTILITIES OF ANY PREVIOUSLY APPROVED PROJECT MUST BE REAPPROVED BY DESTIN WATER USERS, INC. IN WRITING AT LEAST 24 HOURS PRIOR TO IMPLEMENTATION.*
2. *FIELD VERIFIED AND SCALED "AS-BUILT" PLANS INCLUDING ALL UTILITY INFRASTRUCTURES MUST BE SUBMITTED TO THE CITY OF DESTIN AND FORWARDED TO DESTIN WATER USERS, INC. FOR FINAL INSPECTION BY DESTIN WATER USERS, INC. A WRITTEN APPROVAL SHALL THEN BE SUBMITTED TO THE CITY OF DESTIN PRIOR TO THE ISSUANCE OF CERTIFICATE OF OCCUPANCY BY THE CITY OF DESTIN IF THERE ARE NO OUTSTANDING ISSUES.*
3. City/Owner may want to consider a duplex Grinder for facility expansion.
4. City/Owner may want to consider connecting sewer forcemain AFTER public works lift station so if there are issues, the pickleball court station will still be operational.
5. Depth of bury is not indicated on plans, but with future stormwater ponds and phase 4 courts being added, ensure bury depth is labeled and alignment is clear of future phases.

IF YOU HAVE QUESTIONS OR CONCERNS. PLEASE CALL MONICA WALLIS/OPERATIONS MANAGER (850) 837-6146 ext. 3945.


Signed

Destin Fire Control District

848 Airport Road – Destin, Florida 32541
Telephone (850) 837-8413 Fax (850) 837-6715



Chief Kevin Sasser

TECHNICAL REVIEW TEAM

DATE: May 30, 2024

To: PLANNING & ZONING DIRECTOR
CITY OF DESTIN
4100 Indian Bayou Trail
DESTIN, FL 32541

APPROVED

By Daniel Butler at 8:54 am, Aug 26, 2024

EXHIBIT C

This project has been reviewed for conceptual approval in accordance with the currently adopted Florida Fire Prevention Code.

Project: City of Destin - Pickle Ball Courts

Address: 4100 Indian Bayou Trail

Occupancy: N/A

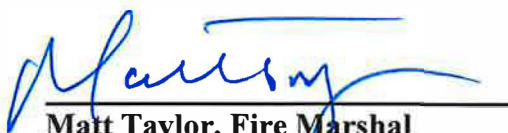
Owner and/or Contractor: Jenkins Engineering
850-837-2448

Comments: APPROVED

All Fire District reviews will be in accordance with the 8th Edition, Florida Fire Prevention Code, appropriate Florida Statutes, Florida Administrative Codes and local ordinances. Submittals shall comply with *Fla. Statute 61G15-32*. All submittals shall reference the appropriate code editions.

All future submittals to this office shall include the complete address for each building(s) under construction as assigned by the City of Destin.

Fire Safety Public Safety Facilities Fees (Impact Fees) and Plan Review fees will be assessed when building plans are submitted. All fees must be paid upon completion of the review.


Matt Taylor, Fire Marshal
Destin Fire Control District
850-837-8413



A Heart Ready
Community

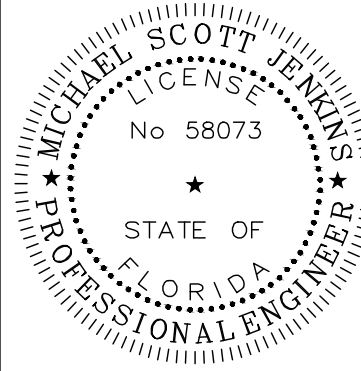


An Advanced Life
Support Service

APPROVED
By Daniel Butler at 8:58 am, Aug 26, 2024



IKINS ENGINEERING, INC.
73 EGLIN PARKWAY NE, SUITE 203
FORT WALTON BEACH, FLORIDA 32548
PHONE 850.837.2448
FAX 850.837.2450
www.jeicivil.com



M. SCOTT JENKINS, P.E.
FL. REGISTRATION NO. 58073

REV	DATE	DESCRIPTION	BY
1	2/6/2024	REVISIONS PER CITY COUNCIL MEETING (2/5/2024) DIRECTION	MSJ
2	5/10/2024	REVISIONS PER CITY 90% REVIEW	MSJ
3	5/15/2024	REVISIONS PER CITY 100% REVIEW	MFF

CITY OF DESTIN PICKLEBALL COURTS
DESTIN, FLORIDA

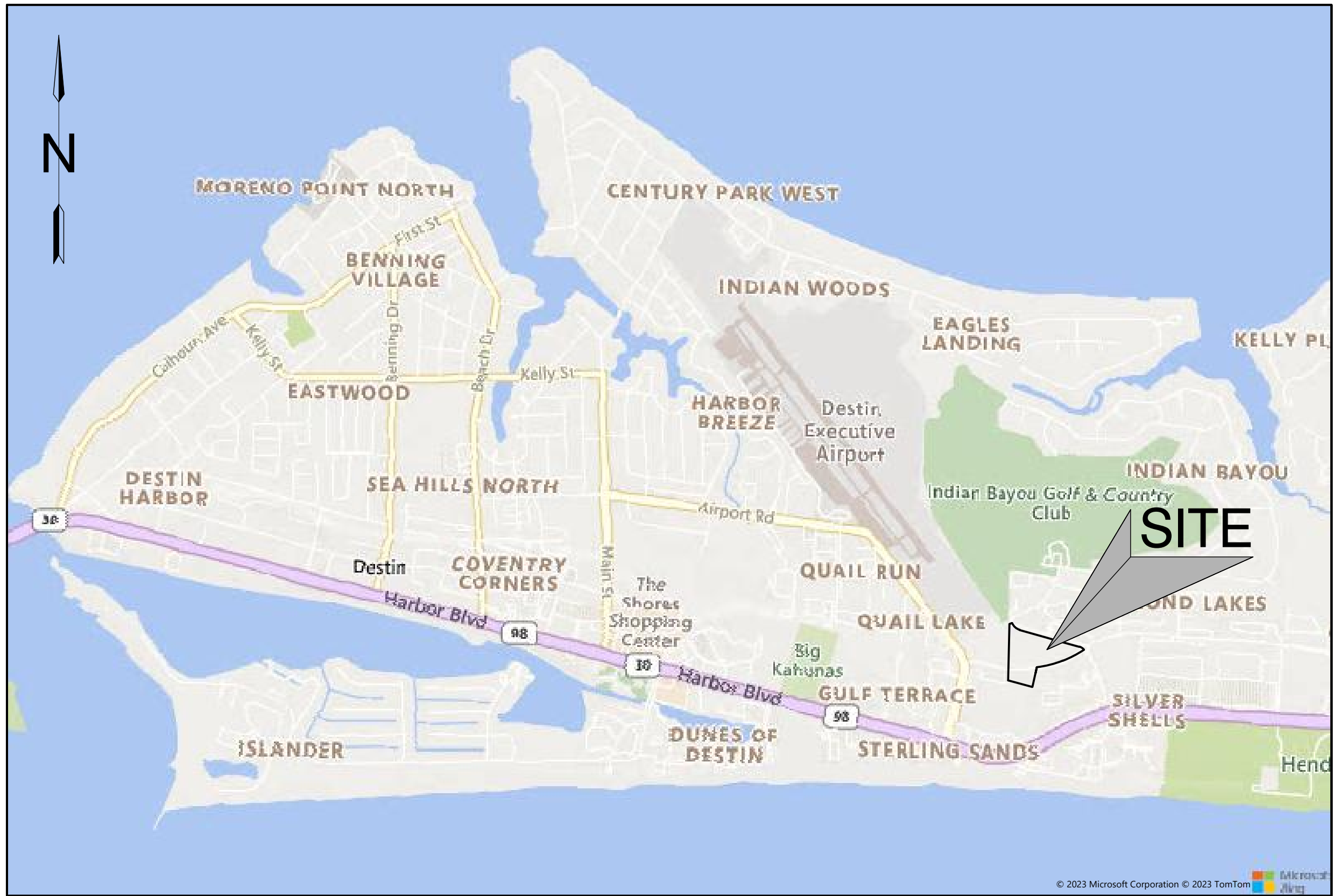
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DATE: 10-2023
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DESTIN WATER USERS
218 MAIN STREET
DESTIN, FL 32541
(850) 837-4930

(TELEPHONE)

CENTURYLINK
411 MARY ESTHER CUTOFF
FT. WALTON BEACH, FL 32548
(850) 244-1150

(ELECTRIC)

FLORIDA POWER & LIGHT
140 HOLLYWOOD BLVD SW
FT. WALTON BEACH, FL 32548
(800) 225-5797

(GAS)

OKALOOSA GAS DISTRICT
20 HUGHES STREET NE
FT. WALTON BEACH, FL 32548
(850) 729-4700

CITY OF DESTIN
POC: RYAN SCOTT, P.E. - CITY ENGINEER
DESTIN CITY HALL ANNEX
4100 INDIAN BAYOU TRAIL
DESTIN, FL 32541
PHONE: (850) 654-1119
EMAIL: RSCOTT@CITYOFDESTIN.COM

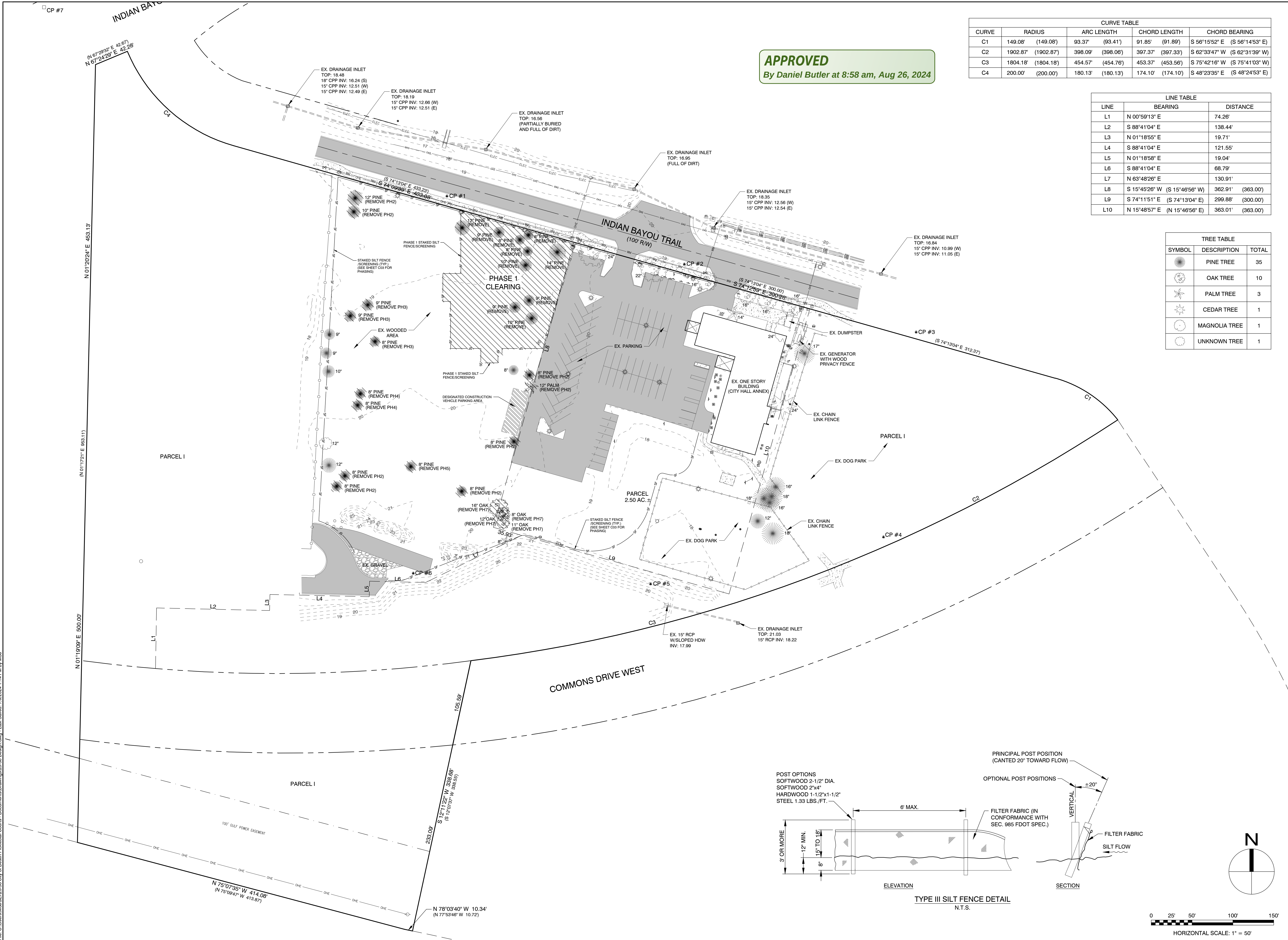
THE CONTRACTOR SHALL DEFEND, INDEMNIFY, KEEP AND SAVE HARMLESS THE OWNER AND ENGINEER AND THEIR RESPECTIVE MEMBERS, REPRESENTATIVES, AGENTS AND EMPLOYEES, IN BOTH INDIVIDUAL AND OFFICIAL CAPACITIES, AGAINST ALL SUITS, CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY'S FEES, CAUSED BY, GROWING OUT OF, OR INCIDENTAL TO THE PERFORMANCE OF THE WORK UNDER THE CONTRACT BY THE CONTRACTOR OR ITS SUBCONTRACTORS TO THE FULL EXTENT AS ALLOWED BY THE LAWS OF THE STATE OF FLORIDA AND NOT BEYOND ANY EXTENT WHICH WOULD RENDER THESE PROVISIONS VOID OR UNENFORCEABLE. IN THE EVENT OF ANY SUCH INJURY (INCLUDING DEATH) OR LOSS OR DAMAGE OR CLAIMS THEREFORE, THE CONTRACTOR SHALL GIVE PROMPT NOTICE TO THE OWNER.

USE LATEST CITY OF DESTIN AND/OR
F.D.O.T. TECHNICAL SPECIFICATIONS AND
DETAILS UNLESS OTHERWISE NOTED.

#	TITLE
01	COVER SHEET
02	EXISTING CONDITIONS
03	MASTER SITE PLAN
04	MASTER GRADING PLAN
05	PHASE 1 SITE & UTILITY PLAN
06	PHASE 1 GRADING & DRAINAGE PLAN
07	MASTER LANDSCAPE PLAN
08	MISCELLANEOUS DETAILS
09	GRINDER STATION DETAILS
10	DWU UTILITY DETAILS I
11	DWU UTILITY DETAILS II
12	SPECIFICATIONS I
13	SPECIFICATIONS II

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M. SCOTT JENKINS, P.E.
FL REGISTRATION NO. 58073

REV	DATE	DESCRIPTION
1	2/8/2024	REVISIONS PER CITY COUNCIL MEETING (2/8/2024) DIRECTION
2	5/10/2024	REVISIONS PER CITY 80% REVIEW
3	5/15/2024	REVISIONS PER CITY 100% REVIEW

CITY OF DESTIN

CITY OF DESTIN PICKLEBALL COURTS
DESTIN, FLORIDA

EXISTING CONDITIONS

JOB: 23-58

DATE: 10-2023

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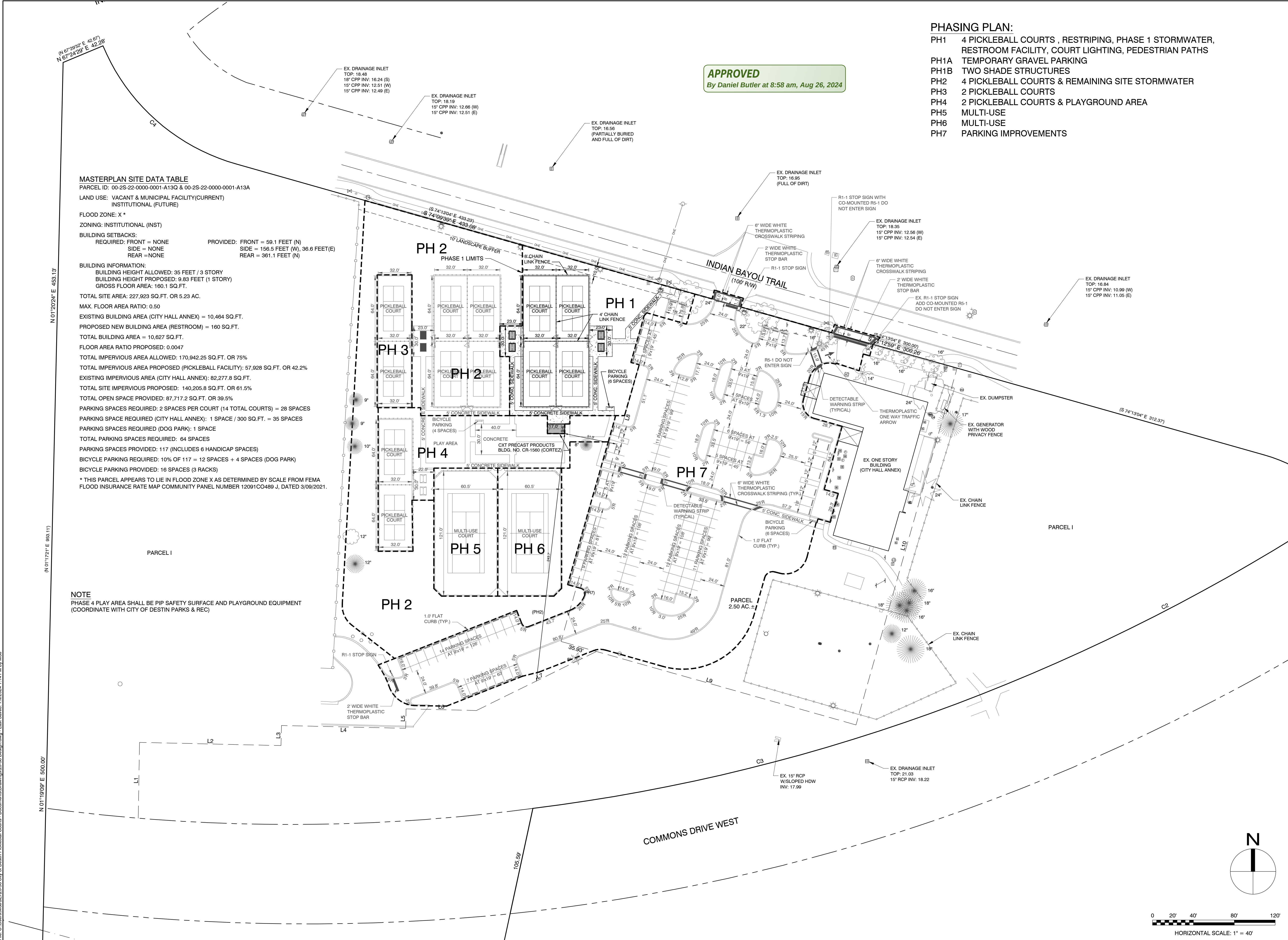
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CITY OF DESTIN

CITY OF DESTIN PICKLEBALL COURTS
DESTIN, FLORIDA

MASTER SITE PLAN

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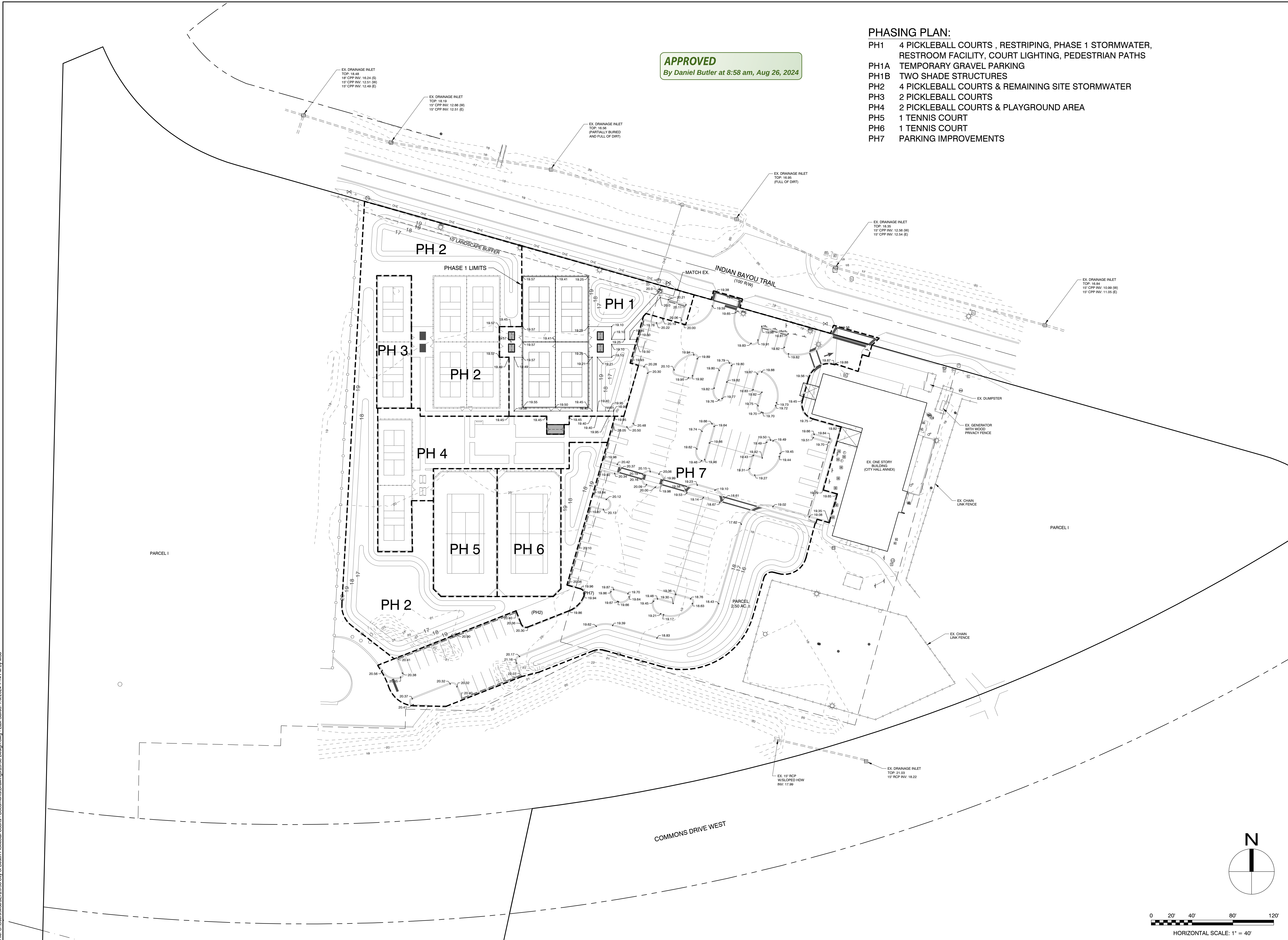
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HORIZONTAL SCALE: 1" = 40'

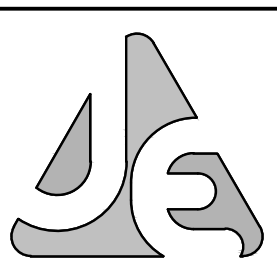
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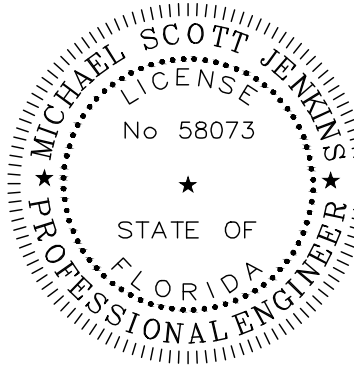
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- PHASING PLAN:**
- PH1 4 PICKLEBALL COURTS , RESTRIPING, PHASE 1 STORMWATER, RESTROOM FACILITY, COURT LIGHTING, PEDESTRIAN PATHS
 - PH1A TEMPORARY GRAVEL PARKING
 - PH1B TWO SHADE STRUCTURES
 - PH2 4 PICKLEBALL COURTS & REMAINING SITE STORMWATER
 - PH3 2 PICKLEBALL COURTS
 - PH4 2 PICKLEBALL COURTS & PLAYGROUND AREA
 - PH5 1 TENNIS COURT
 - PH6 1 TENNIS COURT
 - PH7 PARKING IMPROVEMENTS



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STATE OF FLORIDA
MICHAEL SCOTT JENKINS
LICENSE NO. 58073
PROFESSIONAL ENGINEER

BY	MSJ	MSJ	MPF
DESCRIPTION	REVISIONS PER CITY COUNCIL MEETING (2/5/2024) DIRECTION		
DATE	2/8/2024		
REV	1	2	3
	2/8/2024	5/10/2024	5/15/2024
	REVISIONS PER CITY COUNCIL MEETING (2/5/2024) DIRECTION	REVISIONS PER CITY 80% REVIEW	REVISIONS PER CITY 100% REVIEW

CITY OF DESTIN

CITY OF DESTIN PICKLEBALL COURTS
DESTIN, FLORIDA

MASTER GRADING PLAN

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FM TO REMAIN MIN. 36" BELOW
FINAL GRADING, REFER TO MASTER
GRADING PLAN FOR FUTURE PHASE
BUILD OUT GRADE ELEVATIONS.

1. GRADING OPERATIONS WILL NOT BE CONDUCTED WHEN WINDS EXCEED 30 MILES PER HOUR.
2. WATER WILL BE APPLIED WITH HOSE OR WATER TRUCK, AS NECESSARY, DURING EXCAVATION ACTIVITIES.
3. CONTRACTOR SHALL ENSURE THAT ANY OPEN-BODIED TRUCKS, TRAILERS OR OTHER VEHICLES TRANSPORTING PARTICULATE MATTER SHALL BE COVERED OR WETTED TO MINIMIZE DUST GENERATION DURING TRANSPORT.
4. STOCKPILED MATERIAL SHALL BE COVERED OR WETTED, AS REQUIRED, TO MINIMIZE DUST GENERATION DURING HIGH WIND CONDITIONS.
5. CONTRACTOR SHALL MINIMIZE THE HEIGHTS INVOLVED IN TRANSFER PROCESSES INVOLVING FREE FALL OF SOIL OR OTHER PARTICULATE MATTER TO MINIMIZE DUST EMISSIONS.
6. WATER WILL BE APPLIED BY HOSE OR WATER TRUCK, AS NECESSARY, TO UNPAVED SURFACES, INCLUDING ADJACENT RIGHT-OF-WAYS, OR ANY OTHER SURFACE THAT COULD CREATE AIRBORNE DUST.
7. GROUND COVER WILL BE PLACED FOR ALL OPEN AREAS IMMEDIATELY AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.
8. DESIGNATED ROUTES WITHIN THE JOB SITE THAT WILL BE USED BY VEHICLES TRANSPORTING SOIL OR OTHER MATERIALS TO AND FROM THE SITE SHALL BE CLEARLY INDICATED.
9. CONTRACTOR SHALL PROVIDE BRUSHES, BROOMS, WATER, OR PRESSURE WASHERS, AS REQUIRED, TO REMOVE SOIL, SAND, DIRT AND ANY OTHER PARTICULATE MATTER FROM VEHICLE TIRES AND UNDERCARRIAGES PRIOR TO LEAVING THE SITE IN ORDER TO PREVENT THE TRACKING OUT OF SAID SOIL, SAND, DIRT AND ANY OTHER PARTICULATE MATTER ONTO THE ADJACENT RIGHT-OF-WAYS.
10. MAXIMUM SPEED OF CONSTRUCTION EQUIPMENT OR MATERIAL DELIVERIES SHALL BE 20 MILES PER HOUR.
11. ANY SOIL, SAND AND OTHER MATERIAL DEPOSITED OR EMITTED ONTO ANY RIGHT-OF-WAYS NEAR THE SITE SHALL BE REMOVED WITHIN 48 HOURS.
12. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ANY DUST CONTROL SYSTEMS AND/OR DEVICES, INCLUDING BUT NOT LIMITED TO WATER APPLICATION SYSTEMS, FILTER REPLACEMENT, OR DAILY REMOVAL OF EXCESS DUST FROM CONTAINMENT AREAS ARE IN PROPER OPERATING CONDITION.
13. MONITORING OF DUST EMISSIONS SHALL BE DONE TO ENSURE COMPLIANCE WITH RELEVANT REGULATORY REQUIREMENTS.
14. CONTRACTOR SHALL MAINTAIN A DAILY DUST CONTROL CHECKLIST AND SHALL PROVIDE TO THE CITY UPON REQUEST TO DOCUMENT COMPLIANCE WITH THESE REQUIREMENTS, AND MAINTAIN AT THE JOB SITE AT ALL TIMES.

1. ANY ACTIVITY INCLUDING, BUT NOT LIMITED TO: PILE DRIVING, EARTHWORK COMPACTION, CONCRETE AND ASPHALT BREAKING WILL NOT TRANSMIT VIBRATIONS TO SENSITIVE RECEPTORS AT OR ABOVE THE FEDERAL TRANSIT ADMINISTRATION (FTA) APPROXIMATE VIBRATION DAMAGE THRESHOLD OF 95 VIBRATION DECIBELS (VDB)
2. FOR ANY ACTIVITY EXCEEDING 80 VDB THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE CITY OF DESTIN WITH A VIBRATION MINIMIZATION AND MITIGATION PLAN TO REDUCE IMPACTS TO THE SURROUNDING AREAS.

THE SCREEN MATERIAL SHALL BE MADE OF AN OPAQUE MATERIAL CAPABLE OF ALLOWING AIR TO PASS BUT SEMI-PERVIOUS TO DUST AND DIRT. THE SCREENING SHALL BE OF A FINENESS SUCH THAT NO MATERIAL OVER ONE-EIGHTH (1/8) INCH IN SIZE SHALL PASS THROUGH THE MESH. SUCH SCREENING SHALL BE SECURELY AFFIXED TO THE CONSTRUCTION FENCE. FENCE SCREENING SHALL HAVE A MINIMUM HEIGHT OF FIVE (5) FEET AND A MAXIMUM HEIGHT OF EIGHT (8) FEET. THE SCREENING MATERIAL SHALL BE MAINTAINED IN GOOD CONDITION AND TAUT THROUGHOUT THE ALLOTTED PERMIT TIME. THE SCREENING MUST BE KEPT SECURE FROM ANY WIND ACTION. IN CASES WHERE THE FINISHED GRADE OF THE DEVELOPMENT SITE IS HIGHER BY MORE THAN ONE (1) FOOT OR MORE THAN THE GRADE OF THE ADJOINING PROPERTIES, SAID FENCE SCREENING SHALL BE PLACED AT THE FINISHED GRADE AND NOT THE EXISTING GRADE.

1. ALL FIRE DISTRICT REVIEWS WILL BE IN ACCORDANCE WITH THE 8TH EDITION, FLORIDA FIRE PREVENTION CODE, APPROPRIATE FLORIDA STATUTES, FLORIDA ADMINISTRATIVE CODES, AND LOCAL ORDINANCES. SUBMITTALS SHALL COMPLY WITH FLA STATUTE 61G15-32. ALL SUBMITTALS SHALL REFERENCE THE APPROPRIATE CODE EDITIONS.
2. THE FIRE PROTECTION SYSTEM SHALL BE DESIGNED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER. ALL SUBMITTALS SHALL BE SEALED, SIGNED, AND DATED BY THE ENGINEER OF RECORD. THE ENGINEER OF RECORD SHALL INCLUDE HYDRAULIC CALCULATIONS FOR THE FIRE SPRINKLER SYSTEM.
3. THE FIRE ALARM SYSTEM SHALL BE DESIGNED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER. ALL SUBMITTALS SHALL BE SEALED, SIGNED, AND DATED BY THE ENGINEER OF RECORD.
4. A WATER SUPPLY FOR FIRE PROTECTION, EITHER TEMPORARY OR PERMANENT AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION, SHALL BE MADE AVAILABLE PRIOR TO DELIVERY OF COMBUSTIBLE MATERIALS.
5. FIRE DEPARTMENT ACCESS TO AND ON THE SITE SHALL BE MAINTAINED AT ALL TIMES.
6. THE UNDERGROUND FIRE SERVICE LINE, FROM THE POINT OF SERVICE TO 12" ABOVE THE FINISHED FLOOR, SHALL BE INSTALLED BY A CONTRACTOR LICENSED TO INSTALL THE DEDICATED PORTION OF THE FIRE SERVICE LINE. THE DESIGNATED POINT OF SERVICE SHALL BE LOCATED AT THE DESTIN FIRE DISTRICT OFFICE (1) SET OF DRAWINGS OF THE FIRE SERVICE LINE AND MATERIAL DATA SHEETS MUST BE SUBMITTED TO THE DESTIN FIRE DISTRICT OFFICE FOR REVIEW AND APPROVAL PRIOR TO STARTING INSTALLATION.
7. FLUSHING OF AND THE 200 PSI PRESSURE TEST OF THE FIRE SERVICE LINES MUST BE WITNESSED BY A REPRESENTATIVE OF DESTIN FIRE DISTRICT. THE UNDERGROUND CONTRACTOR SHALL PROVIDE A COMPLETED CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING AT THE TIME OF THE FINAL PRESSURE TEST.
8. A RAPID ENTRY BOX (KNOX BOX) IS REQUIRED. CONTACT DESTIN FIRE DISTRICT PRIOR TO ORDERING.
9. FIRE FIGHTER SAFETY SYMBOLS ARE REQUIRED.
10. THE DESTIN FIRE DISTRICT OFFICE WILL PROVIDE A COMPLETE ELECTRONIC PACKAGE OF PDF FILES ON A CD OR USB FLASH DRIVE. SUBMITTAL MUST INCLUDE ENGINEERED DRAWINGS OF THE FIRE SPRINKLER AND FIRE ALARM SYSTEMS.
11. FIRE SAFETY PUBLIC SAFETY FACILITIES FEES (IMPACT FEES) AND PLAN REVIEW FEES WILL BE ASSESSED WHEN BUILDING PLANS ARE SUBMITTED. ALL FEES MUST BE PAID UPON COMPLETION OF REVIEW.

1. PROPER PERMITTING MUST BE APPLIED FOR AND APPROVED PRIOR TO ANY WORK BEING PERFORMED ON THE SUBJECT PROPERTY.
2. TWO (2) FULL SETS OF SIGNED AND SEALED CONSTRUCTION PLANS AND ONE (1) CD, SPECIFICATIONS, AND RELATED DOCUMENTS (SITE PLAN) AS REQUIRED BY THE FLORIDA BUILDING CODE CHAPTER 1 MUST BE SUBMITTED TO AND BE REVIEWED BY THE BUILDING DIVISION PRIOR TO ISSUANCE OF A PERMIT.
3. PLANS SHALL BE BASED ON THE FOLLOWING CODES (AS APPLICABLE) AND NOTED ON THE CONSTRUCTION DRAWINGS INFORMATIONAL PAGE:
 2009 FLORIDA BUILDING CODE, 2020 FLORIDA FIRE PREVENTION CODE, AND 2020 NATIONAL ELECTRICAL CODE. THE FOLLOWING MINIMUM INFORMATION WILL BE REQUIRED AS APPLICABLE: CONSTRUCTION TYPE, OCCUPANCY CLASSIFICATION, OCCUPANCY LOAD, MEAN ROOF HEIGHT, AND PITCH, BUILDING AREA, AREA MODIFICATION, FIRE PROTECTION - SPRINKLED/NON-SPRINKLED, ULTIMATE WIND SPEED - RISK CATEGORY - WIND EXPOSURE, INTERNAL PRESSURE COEFFICIENT, DESIGN LOAD BEARING VALUE OF SOILS. (FOR A COMPLETE LIST OF MINIMUM PLAN REVIEW CRITERIA SEE 107.3.4 FBC.)
4. DESTIN FIRE CONTROL DISTRICT APPROVAL LETTER BASED ON FINAL CONSTRUCTION DOCUMENTS PRIOR TO ISSUANCE OR A PERMIT.

1. DEVELOPMENT SHALL PROVIDE A POSTED SIGN NOTIFYING THE PUBLIC OF THE NAME, AND 24 HOURS A DAY, 7 DAYS A WEEK EMERGENCY CONTACT PHONE NUMBER OF THE PARTY RESPONSIBLE FOR DEVELOPMENT SITE.
2. SIGN SHALL BE NO LARGER THAN 18"x24" AND NO SMALLER THAN 10"x16".
3. SIGN SHALL BE PROMINENTLY PLACED ON SITE, NO FURTHER THAN 5 FEET FROM ADJACENT RIGHT-OF-WAY, AND SHALL BE LEGIBLE WHEN VIEWED FROM RIGHT-OF-WAY.
4. SIGN SHALL BE PLACED AT EXPENSE OF OWNER, PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. OWNER SHALL PROVIDE CITY WITH A PHOTO OF SIGN AND POSTING OF PROPERTY AFFIDAVIT WITHIN 7 DAYS OF SIGN BEING POSTED.
6. SIGN SHALL BE REMOVED WITHIN 5 DAYS AFTER ISSUANCE OF CERTIFICATE OF OCCUPANCY OR CERTIFICATE OF COMPLETION FOR THE PROJECT.

1. PRIOR TO OBTAINING ANY CITY OF DESTIN PERMITS, DEVELOPER/CONTRACTOR SHALL OBTAIN AN FDEP NPDES PERMIT AND SUBMIT A COPY TO THE PUBLIC SERVICES DIRECTOR.
2. THE DEVELOPER/OWNER, ENGINEER OF RECORD, AND CONTRACTOR SHALL MAKE THEMSELVES FAMILIAR WITH THE CODES LAOCATED IN CHAPTER 8 (TRANSPORTATION) OF THE CITY OF DESTIN LAND DEVELOPMENT CODE, AND COMPLY WITH THE CODES PRIOR TO OBTAINING A CERTIFICATE OF OCCUPANCY.
3. THE DEVELOPER/OWNER, ENGINEER OF RECORD, AND CONTRACTOR SHALL MAKE THEMSELVES FAMILIAR WITH THE CODES LAOCATED IN CHAPTER 11.09.00 (ILLICIT DISCHARGE) OF THE CITY OF DESTIN LAND DEVELOPMENT CODE, AND COMPLY WITH THE CODES PRIOR TO OBTAINING A CERTIFICATE OF OCCUPANCY.
4. AT TIME OF CONSTRUCTION PERMIT SUBMITTAL, ALL BUILDING DESIGN PLANS MUST BE BASED ON THE 2023 FLORIDA BUILDING CODE.

PARCEL ID: 00-2S-22-0000-0001-A130
LAND USE: VACANT (CURRENT)
INSTITUTIONAL (FUTURE)

ZONING: INSTITUTIONAL (INST)

REQUIRED: FRONT = NONE	PROVIDED: FRONT = 59.1 FEET (N)
SIDE = NONE	SIDE = 156.5 FEET (W), 36.6 FEET (E)
REAR = NONE	REAR = 361.1 FEET (N)

BUILDING HEIGHT ALLOWED: 35 FEET / 3 STORY
BUILDING HEIGHT PROPOSED: 9.83 FEET (1 STORY)
GROSS FLOOR AREA: 160.1 SQ.FT.

MAX. FLOOR AREA RATIO: 0.50
FLOOR AREA RATIO PROPOSED: 0.00117

TOTAL IMPERVIOUS AREA ALLOWED: 102,870 SQ.FT. OR 75%
 TOTAL IMPERVIOUS AREA PROPOSED: 57,928 SQ.FT. OR 42.2%
 PHASE 1 IMPERVIOUS AREA PROPOSED: 12,483 SQ.FT. OR 9.1%

PARKING SPACES REQUIRED: 2 SPACES PER COURT = 28 SPACES
PARKING SPACES PROVIDED: 28 (INCLUDES 2 HANDICAP SPACES)

BICYCLE PARKING REQUIRED: 10% OF 28 = 2.8 SPACES
BICYCLE PARKING PROVIDED: 6 SPACES (1 RACK)

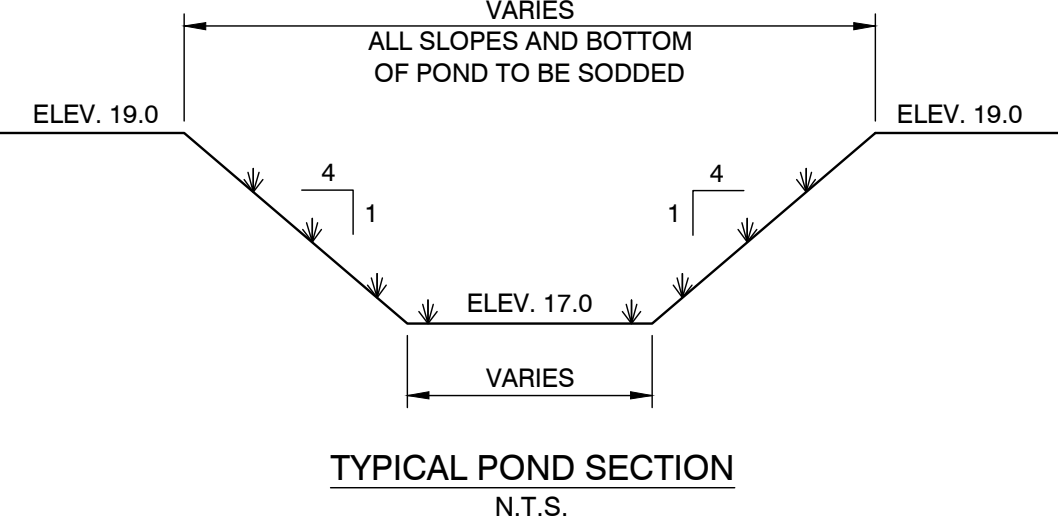
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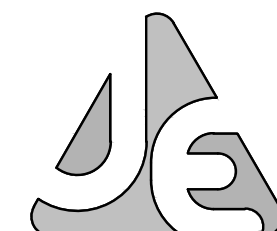
HORIZONTAL SCALE: 1" = 30'

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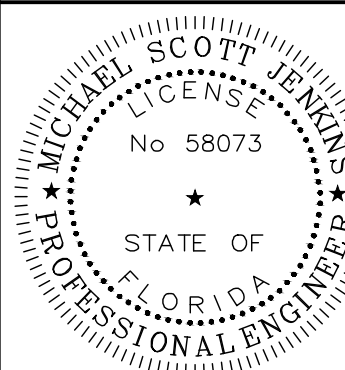
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BY	MSJ	MPF
MSJ		
MPF		

CITY OF DESTIN

CITY OF DESTIN PICKLEBALL COURTS
DESTIN, FLORIDA

PHASE 1 GRADING & DRAINAGE PLAN

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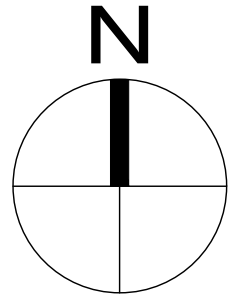
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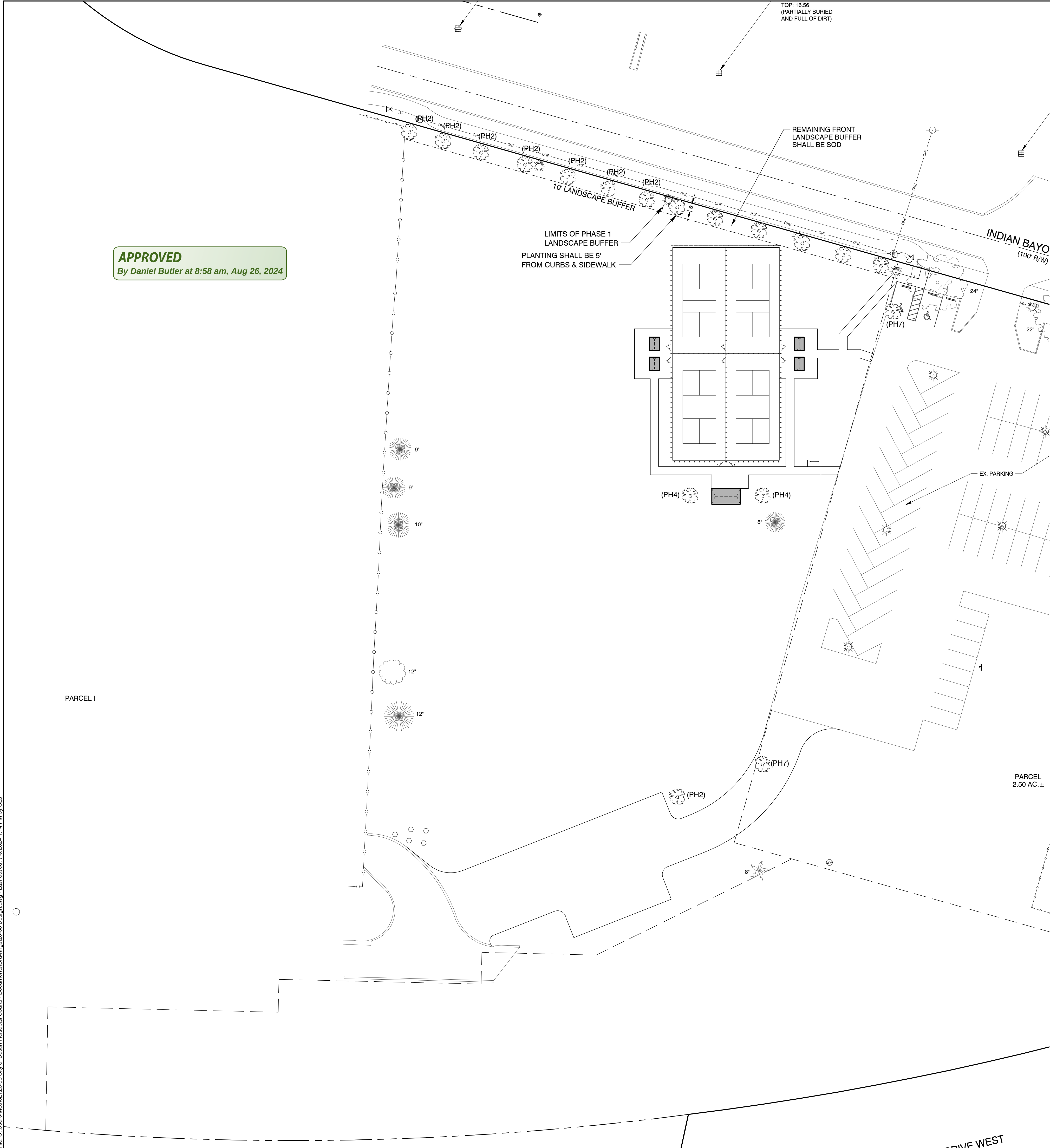
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HORIZONTAL SCALE: 1" = 30'





LEGEND								
SYM	TYPE	COMMON NAME	SCIENTIFIC NAME	HT.	CAL.	ROOT	REMARKS	COUNT
	CANOPY	LIVE OAK	Quercus virginiana	10'	2.5"	B&B	FULL, WELL SHAPED	6+13+5 = 18 TOTAL

BUFFER REQUIREMENTS:

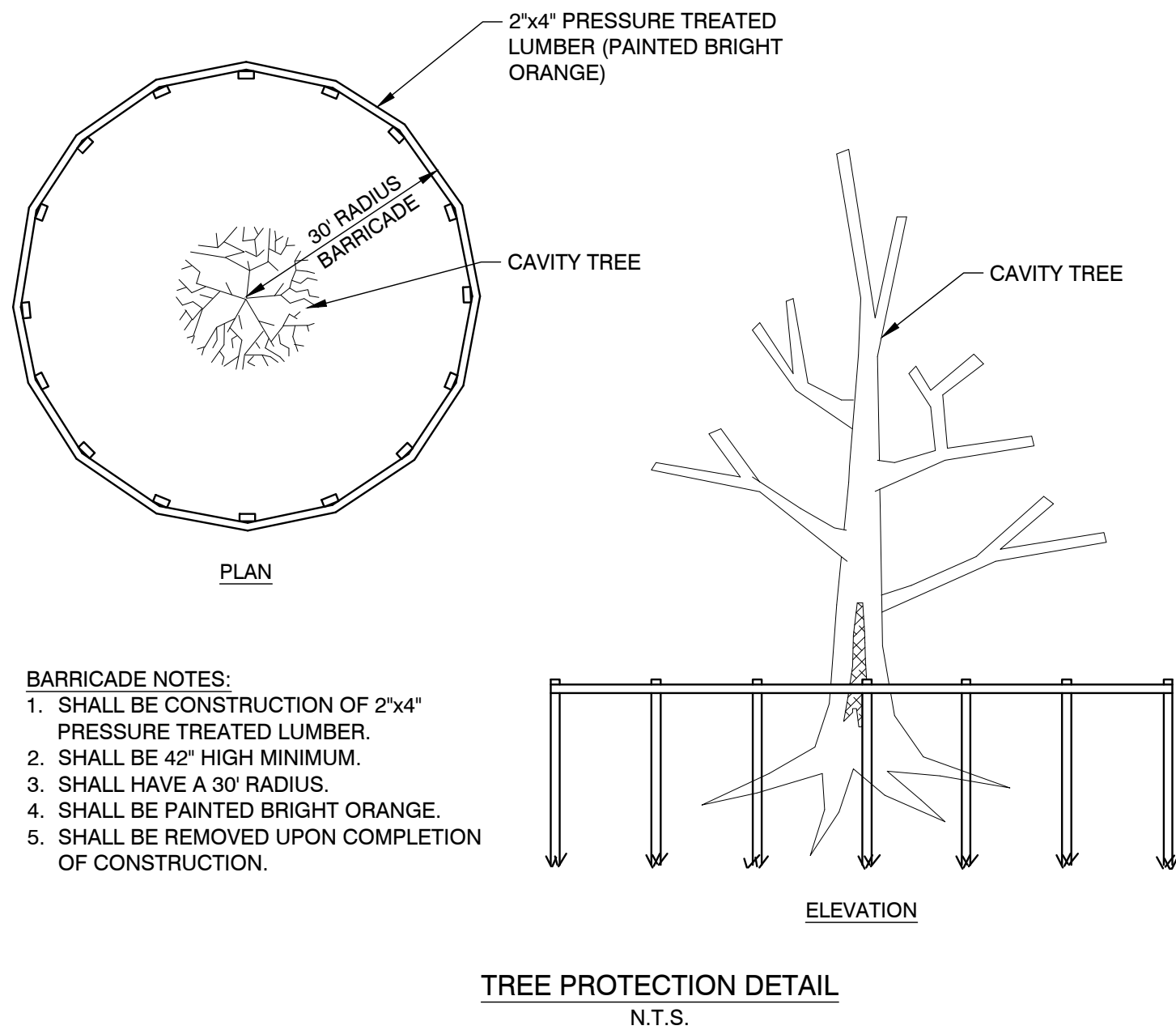
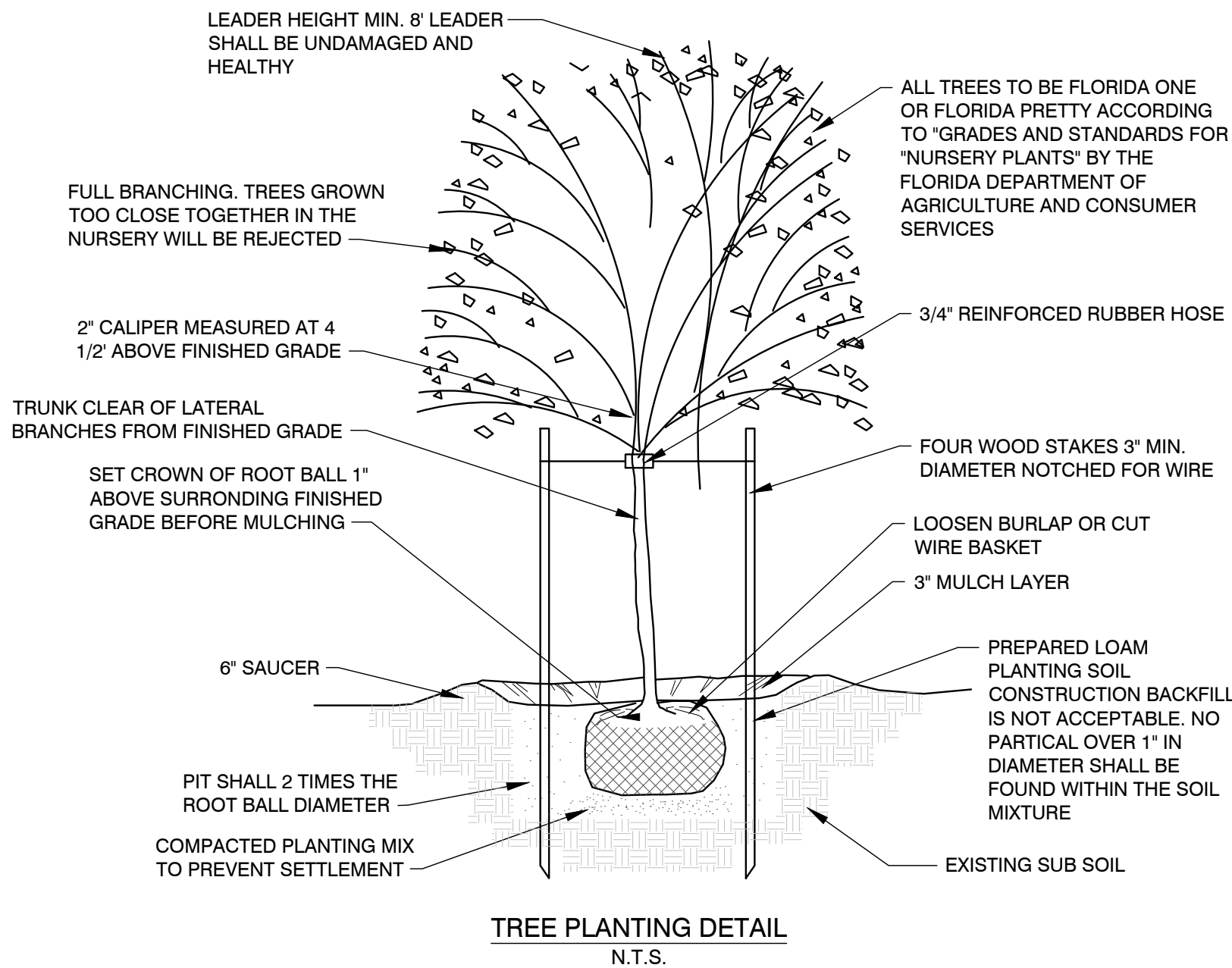
10' FRONT LANDSCAPE BUFFER: 1 CANOPY TREE PER 25 L.F. (307 L.F. / 25) = 12.3 = 13
PROVIDED: 6 CANOPY TREES (PHASE 1)

REFORESTATION REQUIREMENTS:

1 TREE PER 1/10 ACRE. UNDEVELOPED OPEN SPACE = 2.3 AC. (98,639 SQ.FT.) x 1/10 = 23 TREES
PRESERVED TREES: 8' (QTY 1), 9' (QTY 2), 10' (QTY 1), 12' (QTY 2) TOTAL = 6
REFORESTATION CREDIT PER TABLE 12.04.05.C.2: CREDITED 3 TREES PER 7-12" CALIPER TREE
(6 PRESERVED TREES x 3 TREE CREDITS = 18 TREE CREDITS)
REFORESTATION TREES REQUIRED: 23 - 18 CREDITED = 5 TREES
REFORESTATION TREES PROVIDED: 5 TREES (PHASES INDICATED ON PLAN)

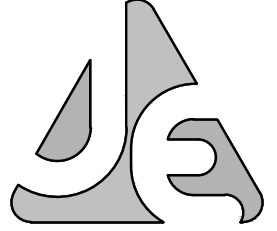
LANDSCAPE NOTES

- ALL PRICES OF PLANT MATERIAL SHALL INCLUDE PINE MULCH, TREE STAKING AND BED PREPARATION.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING OF ALL PLANT MATERIAL DURING THE CONSTRUCTION OF THE PROJECT, UNTIL SUCH TIME AS SUBSTANTIAL COMPLETION. AT THAT TIME, IT SHALL BECOME THE RESPONSIBILITY OF THE MAINTENANCE CONTRACTOR SELECTED BY THE OWNER.
- WHERE SOD OR SEED IS SHOWN GOING DIRECTLY UP TO THE BUILDING, CONTRACTOR SHALL LEAVE A 8" MULCH BORDER BETWEEN THE SOD AND THE BUILDING FOR EASY MAINTENANCE.
- THE ENGINEER RESERVES THE RIGHT TO REJECT ANY AND ALL PLANT MATERIAL WHICH DOES NOT MEET THE SPECIFICATIONS IN SIZE OR SHAPE.
- ALL LANDSCAPING WITHIN THE CLEAR VISIBILITY TRIANGLE SHALL COMPLY WITH SIGHT REQUIREMENTS.
- TREES SHALL HAVE A MINIMUM INSTALLED HEIGHT OF 6' AT THE TIME OF PLANTING.
- ALL PLANT MATERIAL SHALL BE DROUGHT AND SALT TOLERANT.
- IRRIGATION WITHIN THE PROPOSED LIMITS SHALL BE DESIGNED AND CONSTRUCTED BY CITY OF DESTIN PARKS & RECREATION AFTER CONSTRUCTION IS COMPLETE.
- LAWN GRASSES AND GROUND COVER SHALL BE PERENNIAL SPECIES CAPABLE OF THRIVING IN OKALOOSA COUNTY.

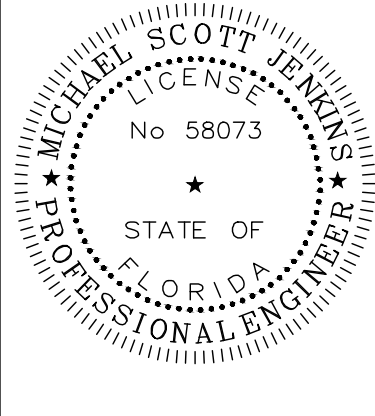


- BARRICADE NOTES:**
- SHALL BE CONSTRUCTION OF 2"x4" PRESSURE TREATED LUMBER.
 - SHALL BE 42" HIGH MINIMUM.
 - SHALL HAVE A 30' RADIUS.
 - SHALL BE PAINTED BRIGHT ORANGE.
 - SHALL BE REMOVED UPON COMPLETION OF CONSTRUCTION.





JENKINS ENGINEERING, INC.
73 EGLIN PARKWAY NE, SUITE 203
FORT WALTON BEACH, FLORIDA 32548
PHONE 850.837.2448
FAX 850.837.2450
JEICIVIL.COM



M. SCOTT JENKINS, P.E.
FL. REGISTRATION NO. 58073

BY	MSJ	MSJ	MPF
DESCRIPTION	REVISIONS PER CITY COUNCIL MEETING (2/5/2024) DIRECTION	REVISIONS PER CITY COUNCIL MEETING (2/5/2024) DIRECTION	REVISIONS PER CITY COUNCIL MEETING (2/5/2024) DIRECTION
DATE	2/8/2024	5/10/2024	5/15/2024
REV	1	2	3

CITY OF DESTIN

CITY OF DESTIN PICKLEBALL COURTS
DESTIN, FLORIDA

PHASE 1 LANDSCAPE PLAN

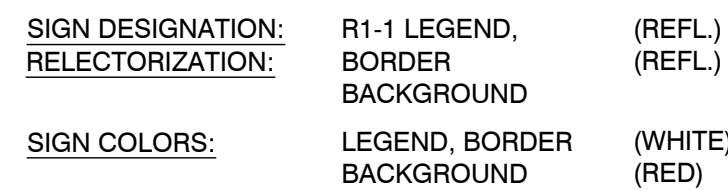
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JOB: 23-58
DATE: 10-2023
DESIGNED: MSJ
DRAWN: MPF

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DRAWING NUMBER
07 OF 13

SHEET NUMBER
C07



STOP SIGN DETAIL
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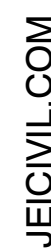
By Daniel Butler at 8:58 am, Aug 26, 2024



NOTE:
SYMBOL SHALL BE PAINTED BLUE
AND TO THE DIMENSIONS SHOWN.



NOTE:
HANDICAP PARKING SPACES SHALL BE A MINIMUM OF TWELVE (12) FEET WIDE, MEASURED FROM CENTER TO CENTER OF THE BLUE DEMARCATION LINES AS PER CHAPTER 6, SECTION 6.04.061 OF THE OKALOOSA COUNTY LDC.

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CITY OF DESTIN
CITY OF DESTIN PICKLEBALL COURTS
DESTIN, FLORIDA

MISCELLANEOUS DETAILS

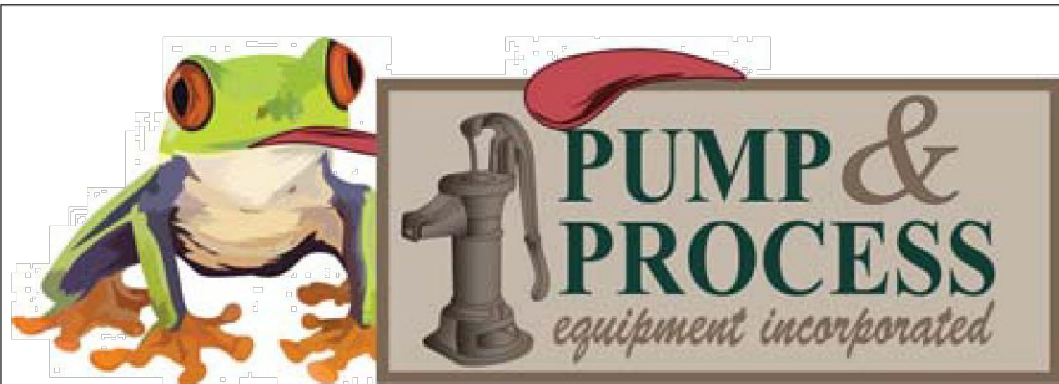
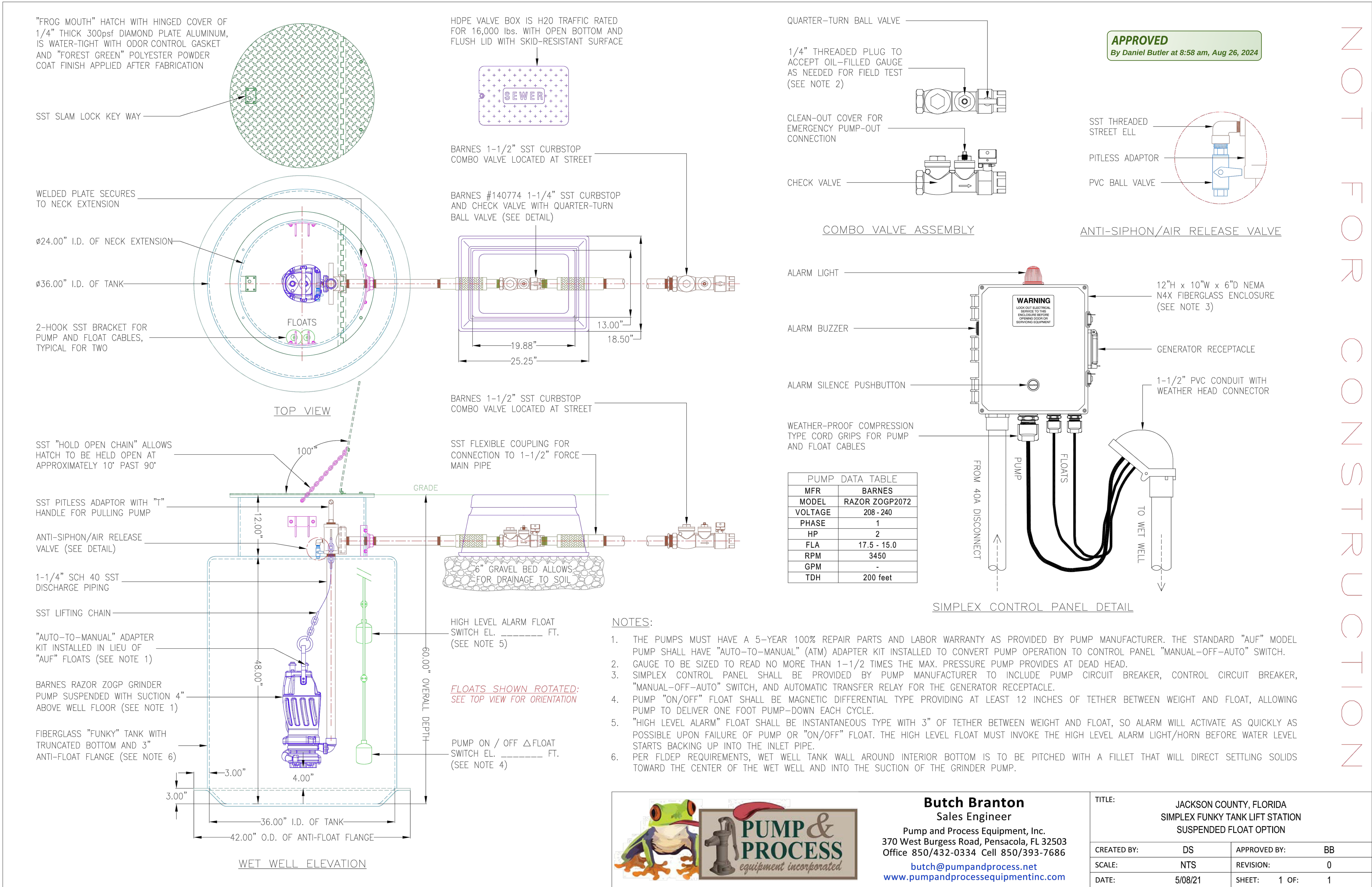
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- | JENKINS ENGINEERING, INC. | |
|--|----------|
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FORT WALTON BEACH, FLORIDA 32548
PHONE 850.837.2448
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| JECIVIL.COM | |
| | |
| M. SCOTT JENKINS, P.E.
FL REGISTRATION NO. 58073 | |
| BY | DATE |
| *** | *** |
| DESCRIPTION | |
| CITY OF DESTIN | |
| CITY OF DESTIN PICKLEBALL COURTS
DESTIN, FLORIDA | |
| MISCELLANEOUS DETAILS II | |
| NOT VALID UNLESS BEARING ENGINEER'S ORIGINAL SIGNATURE | |
| JOB: | 23-58 |
| DATE: | 10-2023 |
| SIGNED: | MSJ |
| DRAWN: | MPF |
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| SHEET NUMBER | C09 |



Butch Branton
Sales Engineer
Pump and Process Equipment, Inc.
370 West Burgess Road, Pensacola, FL 32503
Office 850/432-0334 Cell 850/393-7686
butch@pumpandprocess.net
www.pumpandprocessequipmentinc.com

TITLE: JACKSON COUNTY, FLORIDA
SIMPLEX FUNKY TANK LIFT STATION
SUSPENDED FLOAT OPTION

CREATED BY:	DS	APPROVED BY:	BB
SCALE:	NTS	REVISION:	0
DATE:	5/08/21	SHEET:	1 OF: 1

JENKINS ENGINEERING, INC.
73 EGLIN PARKWAY NE, SUITE 203
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M. SCOTT JENKINS, P.E.
FL REGISTRATION NO. 58073

REV	DATE	DESCRIPTION
3	5/15/2024	REVISIONS PER CITY 100% REVIEW

CITY OF DESTIN

CITY OF DESTIN PICKLEBALL COURTS
DESTIN, FLORIDA

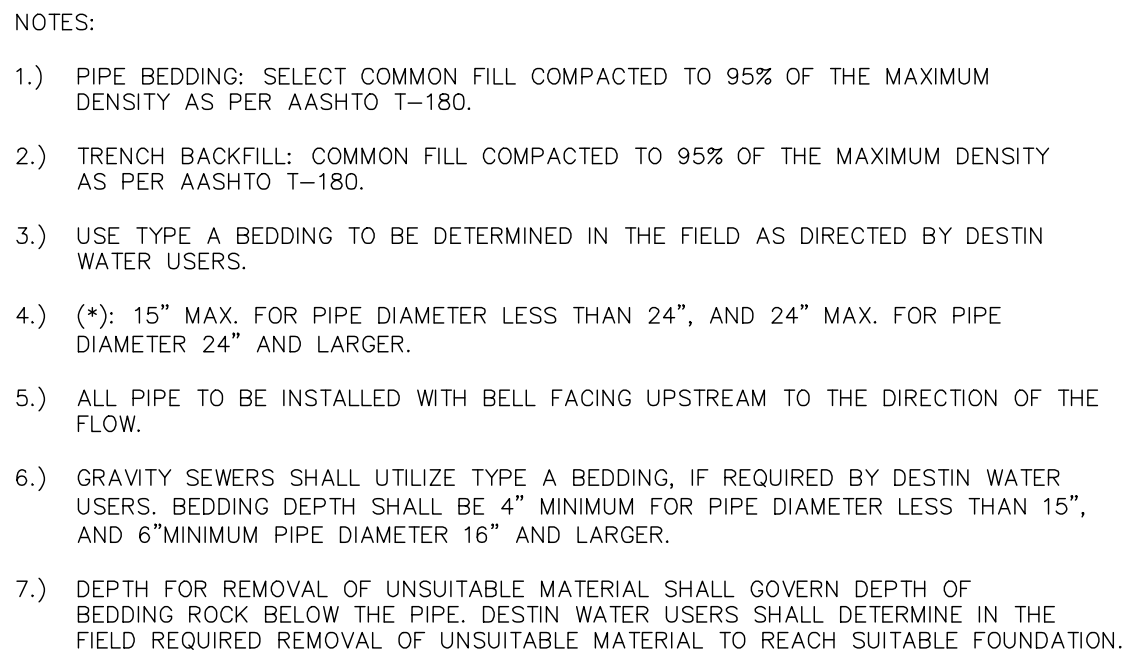
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JOB: 23-58
DATE: 10-2023
DESIGNED: MSJ
DRAWN: MPF

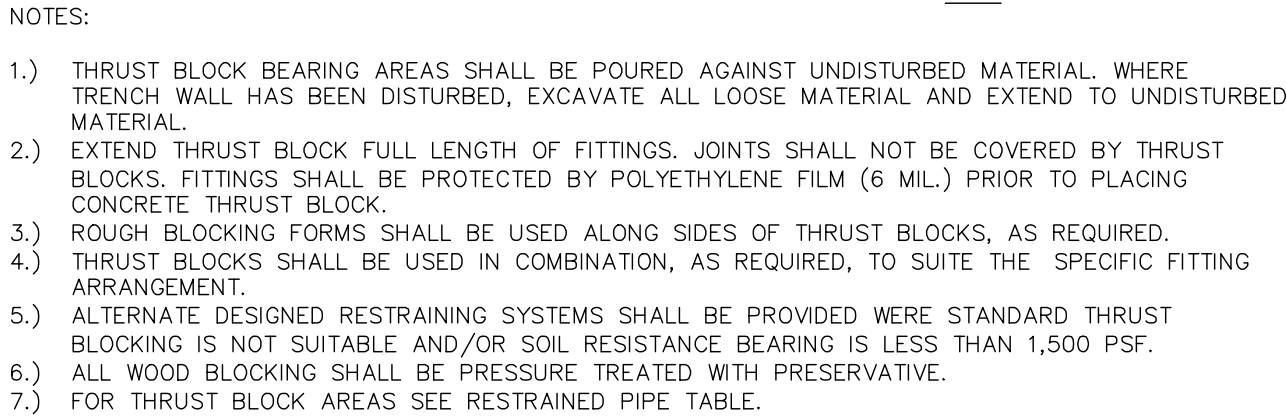
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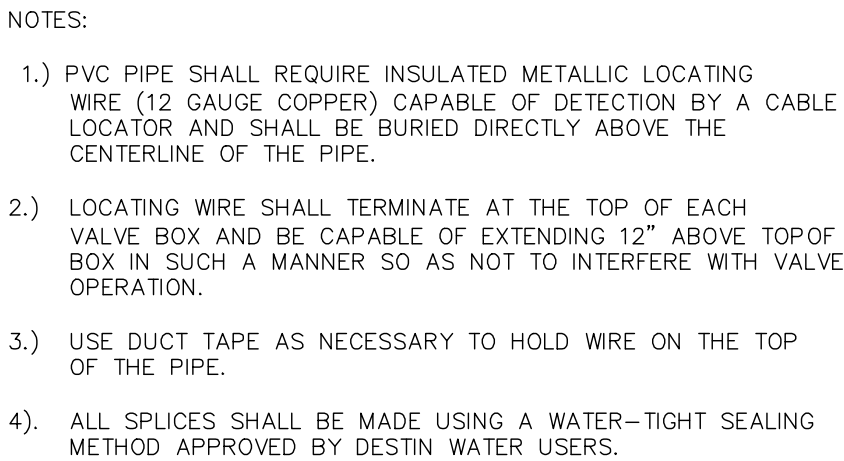


N.T.S.

NOTES:

1. FITTINGS SHALL BE RESTRAINED JOINTS UNLESS OTHERWISE INDICATED.
2. INSTALL FULL LENGTH JOINTS WITH TOTAL LENGTH EQUAL TO OR GREATER THAN SHOWN IN THE TABLE.
3. IN LINE VALVES AND THROUGH RUN OF TEES OUTSIDE LIMITS OF RESTRAINED JOINTS FROM OTHER FITTINGS NEED NOT BE OF RESTRAINED JOINTS FROM OTHER FITTINGS RESTRAINED UNLESS OTHERWISE INDICATED.
4. LENGTHS SHOWN IN THE TABLE HAVE BEEN CALCULATED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" AS PUBLISHED BY DIPRA.
5. FOR PIPE ENCASED IN POLYETHYLENE, USE VALUES GIVEN IN PARENTHESES OR INCREASE THE GIVEN VALUE BY A FACTOR OF 1.5 . TO BE COMPLETED BY THE ENGINEER.

N.T.S.



N.T.S.

By Daniel Butler at 8:58 am, Aug 26, 2024



JEICIVIL.COM

DESCRIPTION

CITY OF DESTIN

CITY OF DESTIN PICKLEBALL COURTS
DESTIN, FLORIDA

DWU UTILITY DETAILS I

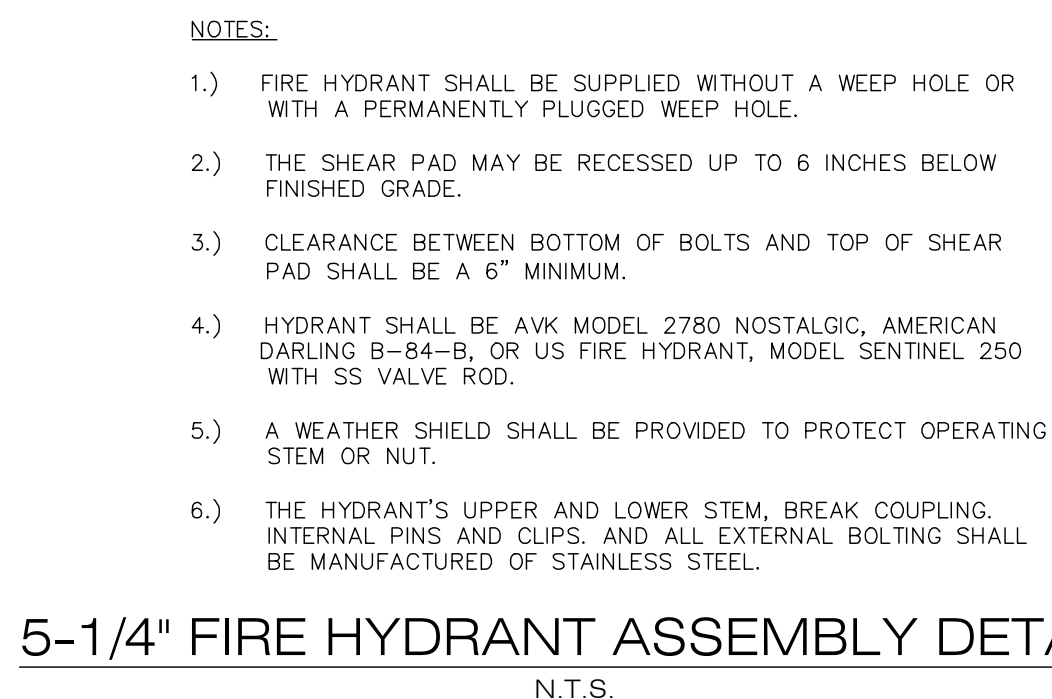
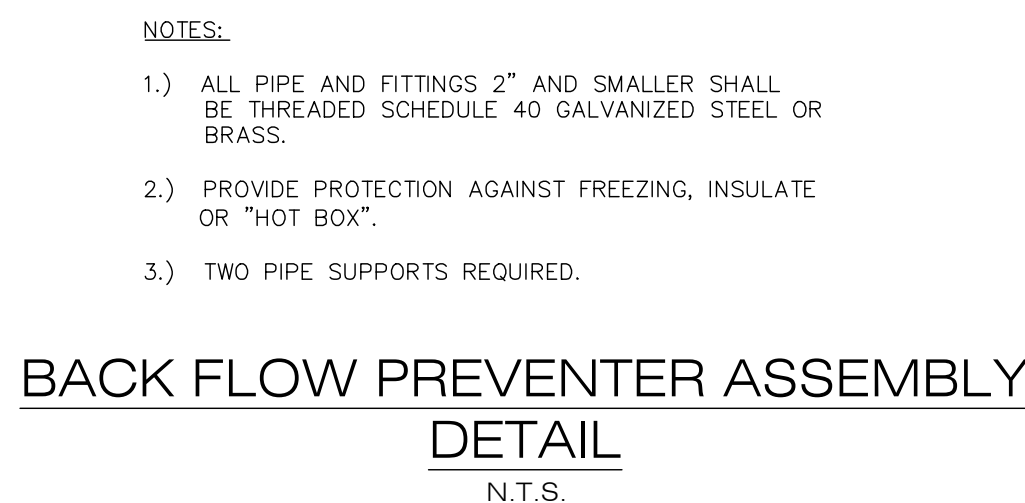
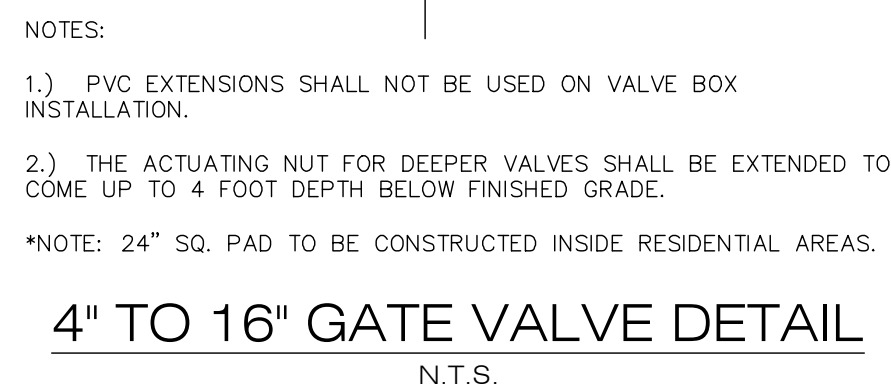
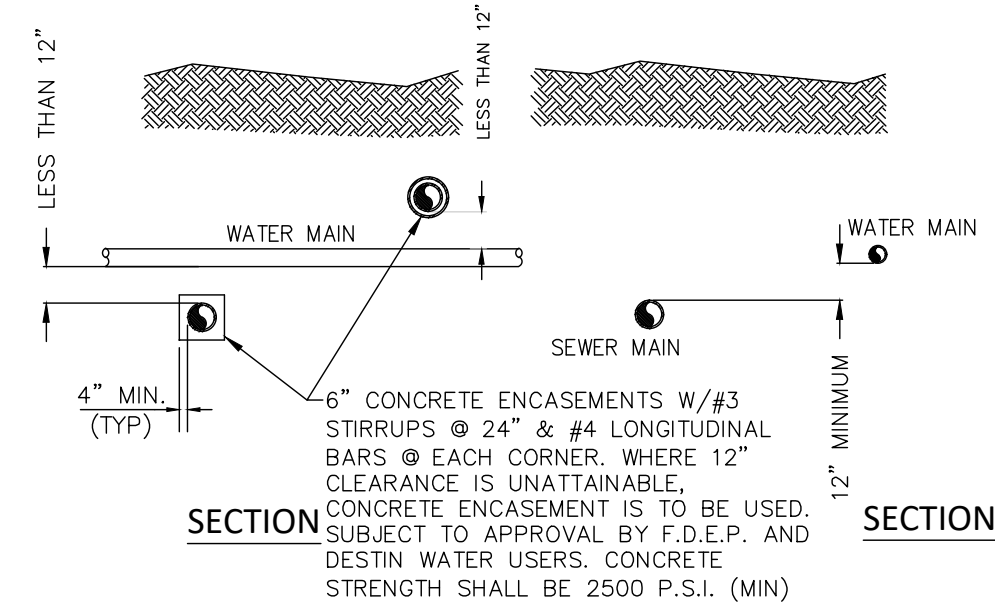
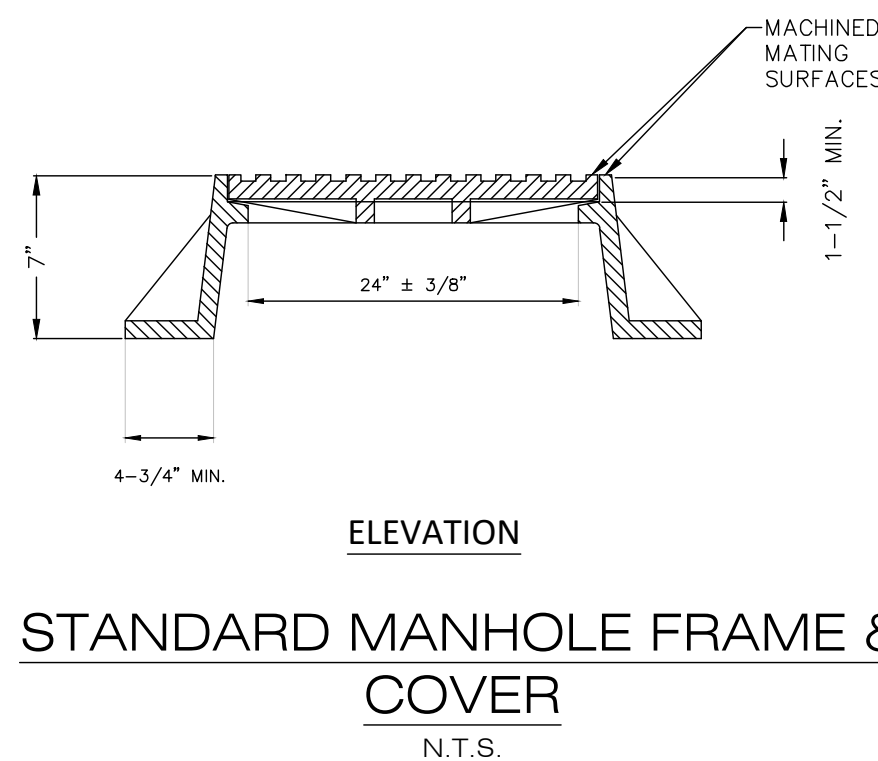
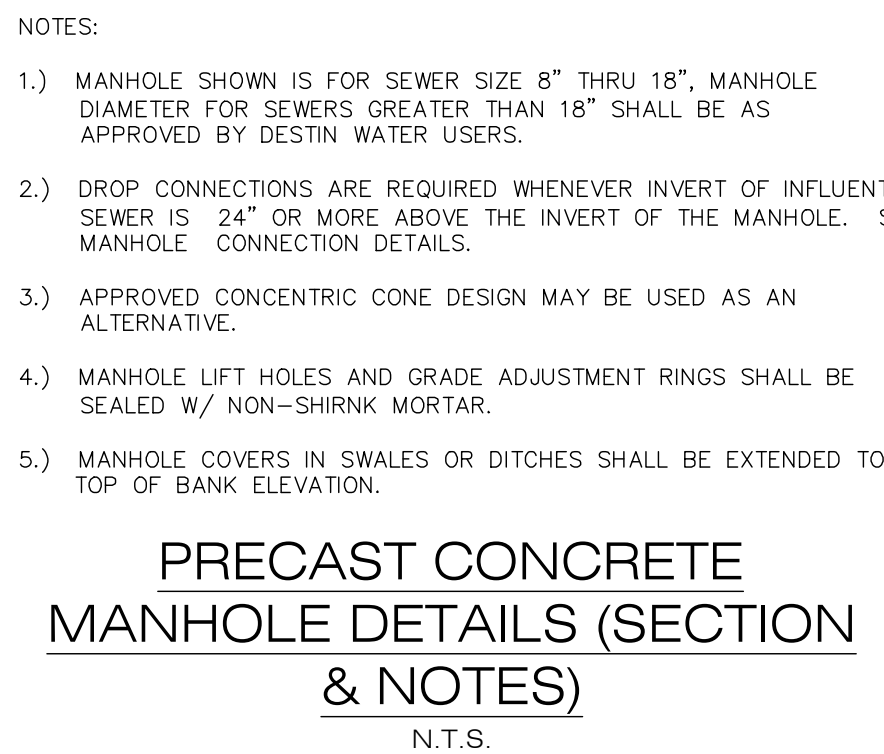
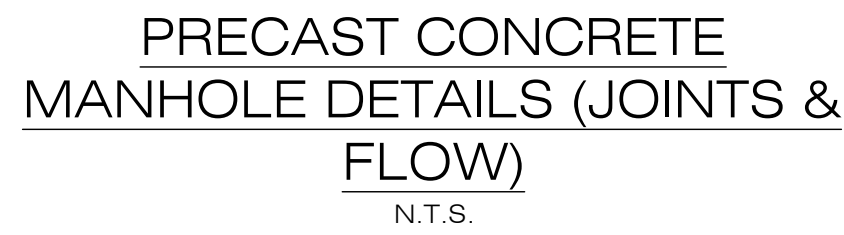
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73 EGLIN PARKWAY NE, SUITE 203
FORT WALTON BEACH, FLORIDA 32548
PHONE 850.837.2448
FAX 850.837.2450

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CITY OF DESTIN
CITY OF DESTIN PICKLEBALL COURTS
DESTIN, FLORIDA

DWU UTILITY DETAILS II

JOB: 23-58
DATE: 10-2023
DESIGNED: MS
DRAWN: MPP

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11 OF 13

SHEET NUMBER
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1 SPECIFICATION: CLEARING AND GRUBBING

All site Clearing and Grubbing shall be in accordance with section 110 of the "Florida Department of Transportation Specifications for Road and Bridge Construction" unless modified herein. This work shall be performed in the following areas:

- All street rights-of-way.
- All areas where excavation or embankment are to take place.
- Detention areas.

In addition, certain other areas where underground utilities are to be installed are to be cleared and grubbed to the extent necessary to properly install the utilities. Such work shall be incidental to the contract unit price for the utility to be installed.

1.1 SCOPE:

Site clearing work includes, but is not limited to:

- Removal of trees and other vegetation.
- Topsoil stripping.
- Clearing and grubbing.
- Removing above grade improvements.
- Removing below grade improvements.

1.2 JOB CONDITIONS:

Traffic: Conduct site clearing operations to ensure minimum interference with roads, streets, walks, and other adjacent occupied or used facilities. Do not close or obstruct streets, walks, or other occupied or used facilities without permission from the Owners and/or Local approving authority.

Clearing and Protection in Construction Areas: Preserve trees 6 inches or larger measured breast height (6"dbh) where possible within construction area.

Protection of Existing Improvements: Provide protection necessary to prevent damage to existing improvements indicated to remain in place.

Protect improvements on adjoining properties and on project site.

Restore damaged improvements to original condition as acceptable to the Owner.

1.3 LIMITATIONS:

Clearing will be limited to the extent necessary to allow for construction of the proposed improvements as a result of:

- Need for access to the project site for construction equipment.
- Essential grade changes.
- Surface water drainage and utility installation.
- Location of driveways, buildings, and required parking.

1.4 CLEARING AND GRUBBING:

Remove trees, shrubs, grass, other vegetation, improvements, or obstructions interfering with the installation of new construction. Removal includes digging out stumps and roots. Do not remove items elsewhere on site or premises unless specifically indicated. Disposal of trees, limbs, stumps, and debris shall be the responsibility of the Contractor.

Strip topsoil to whatever depths encountered to prevent intermingling with underlying subsoil or other objectionable material. Cut heavy growths of grass from areas before stripping.

Stockpile topsoil in storage piles in areas shown or where directed by the Owner. Construct storage piles to freely drain surface water. Cover storage piles if required to prevent windblown dust.

Dispose of unsuitable or excess topsoil same as specified for waste material.

1.5 FILLING:

Fill depressions caused by clearing and grubbing operations with satisfactory soil material, unless further excavation or earthwork is indicated.

Place fill material in horizontal layers not exceeding 6" loose depth, and thoroughly compact to density equal to adjacent ground, unless otherwise shown on the plans.

1.6 REMOVAL OF IMPROVEMENTS:

Remove existing above and below grade improvements and abandoned underground piping or conduit necessary to permit construction and other work.

1.7 DISPOSAL OF WASTE MATERIALS:

No burning of any material, debris, or trash will be allowed.

Remove waste materials from project site on a daily basis, and dispose of off-site in an approved area.

2 SPECIFICATION: EXCAVATION, EMBANKMENT AND SUBGRADE

2.1 EXCAVATION, EMBANKMENT AND SUBGRADE:

Section 120 of the Florida D.O.T. Specification. All subgrade fill material, and the top 12 inches in cut area, shall be compacted to 100 percent of maximum density as determined to AASHTO T-99. The Subgrade Compaction (Stabilization) shall conform to Section 160 of the Florida D.O.T. Specifications. In most cases this will consist of compacting existing cleaned soil. However, it is the Contractor's responsibility to assure that the finished roadbed section meets bearing value requirements, regardless of the quantity of stabilizing materials to be added. One field density test shall be taken for each 5000 square feet or fraction thereof.

Where required subgrade density cannot be obtained, unsuitable material shall be removed so that the road base will be constructed on a minimum of 3 feet of suitable, properly compacted material. This work shall be included in the contract lump sum price for earth excavation.

2.2 SOIL CEMENT BASE:

The detailed specifications of the soil cement base course are to be determined by an independent testing laboratory after testing of the material the Contractor proposes to use. Moisture and cement content will be specified by the laboratory. However, as a guide for bid purposes, estimate 12% cement by weight and include a price reduction schedule if tests show less cement is required. The soil cement mix will be at optimum moisture content, i.e., neither mushy nor dry, but containing sufficient moisture to make a firm case when squeezed in the hand. Water should not appear on the hand when so squeezed. This requires 5 to 6 gallons per square yard but actual quantity of water to be added will depend on latent moisture in the base material. From a practical standpoint, the highest moisture content should be maintained that permits packing and finishing without surface checking, showing or rutting during compaction and finishing operations.

The freshly compacted and finished soil-cement mix must be adequately cured. An application of bituminous material such as RC-2, MC-3, RT-5 or asphaltic emulsion at a rate of 0.15 to 0.20 gal per square yard is preferred as the curing medium. Waterproof paper or moist hay is acceptable if properly maintained.

2.3 SAND-CLAY BASE COURSE:

The following tests shall be performed prior to placing the material on the roadbed:

Composition and gradation	Percent of material passing the 10-mesh sieve
• Clay (material smaller than 0.005mm)	8 to 21
• Silt (material from 0.005 to 0.005mm)	0 to 10
• Combined clay and silt	8 to 25
• Limerock Bearing Ration Value (LBR)	Of at least 75
• Liquid Limit	Not greater than 25
• Plasticity Index	Not greater than 6

The results of these tests shall be submitted to the engineer for approval. The base course shall be compacted to not less than 98 percent of the maximum density as determined by AASHTO T-180. One density test shall be taken for each 5000 square feet or fraction thereof.

CONTINUED ON NEXT COLUMN

Note: Sand Clay base material shall not be used in areas where the seasonal high groundwater table is within two (2) feet of the bottom of the base material.

2.4 LIMEROCK BASE COURSE:

Shall be constructed in accordance with Section 200 of the Florida D.O.T. Specifications for Road and Bridge Construction. The material shall meet the requirements of Section 911 of the Specifications. Tests necessary to determine compliance with Section 911 shall be performed prior to placing the material on the subgrade. These tests include:

Test	Requirement
• Liquid Limit	Less than 35
• Plastic Index	Non-Plastic
• Gradation	97% passing 3.5 inch sieve
• Limerock Bearing Ratio	Not less than 100

The results of these tests shall be submitted to the engineer for approval. After approval of the material, the limerock base course shall be placed in accordance with Section 200. The base course shall be compacted to not less than 98 percent of the maximum density as determined by AASHTO T-180. A minimum of three density tests shall be made on each days compaction operations. More frequent tests shall be made as deemed necessary by the Engineer. The base shall be installed to a compacted thickness as shown on the plans, plus or minus one half inch. Deviations from this specification shall be corrected as indicated in the State Specifications.

2.5 GRADED AGGREGATE BASE COURSE:

Shall comply with the requirements of Section 204 of the Florida D.O.T. Specifications. Tests necessary to determine compliance with Section 204 shall be performed prior to placing the material. These tests include:

- Soundness Loss, Sodium, Sulfate: AASHTO T-104.
- Percent Wear: AASHTO T-96 (Grading A).
- Sieve Analysis.
- Limerock Bearing Ratio Value.

The results of these tests shall be submitted to the engineer for approval. After the approval of the material, the graded aggregate base course shall be placed in accordance with Section 204. The base course shall be compacted to a density of not less than 100 percent of the maximum density as determined by AASHTO T-180. At least three density tests shall be made on each day's final compaction operation of each course, and the density determinations shall be made at more frequent intervals if deemed necessary by the Engineer.

2.6 ASPHALT BASE COURSE:

Shall comply with the requirements of Sections 280, 330, 331 and 916 of the Florida D.O.T. Specifications. The design mix for Asphaltic Base Course Type 3 shall conform to the requirements in Tables 331-1 and 331-2. The minimum Marshall stability shall be 1000 lbs./sq. in. as indicated in Table 331-2. Percent bitumen by weight of total mix: 5.0 (minimum). Two copies each of the actual design mix shall be submitted to the Engineer. Written approval of the Asphalt base course design mix must be obtained from the engineer prior to commencing base course construction. Once the design mix has been approved by the engineer, sieve analysis tolerances indicated in Table 331-5 are allowable during construction. If sieve analysis values fall outside these tolerances, design mix must be resubmitted for acceptance. After the approval of the mix design, the Asphalt base course shall be placed in accordance with Section 280 and compacted in accordance with Section 330-10.

NOTE: STORMWATER DRAINAGE SHALL BE CONTROLLED DURING ALL PHASES OF CONSTRUCTION.

3 SPECIFICATION: ASPHALT CONCRETE PAVING

3.1 SCOPE:

This section includes materials and work required for installation of flexible asphaltic concrete pavement for parking and drive areas shown on the plans.

3.2 APPLICABLE PUBLICATIONS:

The publications listed below form a part of this specification to the extent referenced. The publications shall be the most current issue and are referred to in the text by the basic designation only. The following are minimum requirements and shall govern except that all local, state, and/or federal codes and ordinances shall govern when their requirements are in excess hereof. All asphalt construction shall be in accordance with applicable sections of the "Florida Department of Transportation Specifications for Road and Bridge Construction" unless modified herein.

Florida Department of Transportation Specifications:	
• Section 901	Course Aggregate
• Section 902	Fine Aggregate
• Section 916	Bituminous Materials
• Section 917	Mineral Filler
• Section 300	Bituminous Treatments, Surface Courses and Concrete Pavement
• Section 331	Type S Asphalt Concrete

American Society for Testing and Materials (ASTM) Publications:	
• D 1557	Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 10 lb (4.54 kg) Rammer and 18-in. (457mm) Drop
• D 1557	Marshall Stability Mix Design

3.3 SUBMITTALS:

Asphalt Design Mix: Before any asphalt surface is constructed, submit two copies of each of the actual design mix to the Engineer and Owner.

Written approval of the asphaltic concrete design mix must be obtained from the Engineer and Owner prior to commencing asphalt pavement construction.

Material Certificates: Furnish copies of materials certificates signed by material producer and Contractor, certifying that each material item complies with, or exceeds specified requirements.

Asphalt extraction tests.

Aggregate gradation tests.

Marshall stability tests.

3.4 JOB CONDITIONS:

Weather limitations: Apply prime and tack coats when ambient temperature is above 40 degrees, and when temperature has not been below 35 degrees for 12 hours prior to application. Do not apply when base is wet or contains excess moisture.

3.5 MATERIALS:

Mineral Filler: Rock dust, hydraulic cement, or other inert material complying with Section 917 of the Florida D.O.T. Specification.

Asphalt Cement: The bituminous material shall be AC-20, viscosity grade and comply with Section 916 of the Florida D.O.T. Specification.

Course Aggregate: Comply with Section 901 of the Florida D.O.T. Specification.

Fine Aggregate: Comply with Section 902 of the Florida D.O.T. Specification.

Prime Coat and Tack Coat: The bituminous material for the Prime Coat shall be MC-70. The bituminous material for the Tack Coat shall be AC-20, or Emulsified asphalt, grade RS-2 and comply with the requirements in Section 300 and 916 of the Florida D.O.T. Specifications.

Asphaltic Concrete Design Mixes: Asphalt shall conform to the requirements for Type S Asphalt as indicated in Section 331 of the Florida D.O.T. Specifications.

Mix shall be within sieve analysis and bitumen range given in Section 331 of the Florida D.O.T. Specifications.

Minimum Marshall stability shall be in 1500 lbs./sq. in. as indicated in Table 331-2 of the Florida D.O.T. Specifications.

Percent bitumen by weight of total weight mix: 5.0 - 8.5.

CONTINUED ON NEXT COLUMN

Once design mix has been accepted by Engineer and Owner, sieve analysis tolerances indicated in Table 331-5 are allowable during construction. If sieve analysis values fall outside these tolerances, design mix must be resubmitted for acceptance.

Provide asphalt-aggregate mixture as recommended by local or state paving authorities to suit project conditions. Use locally available materials and graduations which meet Florida D.O.T. Specifications and exhibit satisfactory record on previous installations.

3.6 BASE COURSE PREPARATION:

Prior to construction of the base course, the top 12 inches of subgrade shall be compacted to a minimum soil density of 98% of the Modified Proctor Test Density (ASTM 1557). The subgrade shall be sterilized by a borate or chlorate sterilant containing not less than 25% sodium chlorate and shall be mixed thoroughly with water at the rate of 1-1/2 lbs. of sterilant per gallon of water. The sterilant shall be applied evenly at the rate of 0.2 gallons per square yard to subgrades that are less than 12" below original grades. If prepared base course will not be immediately covered with asphalt on the same day and wind-blown seeds will contaminate the base course surface, the sterilants shall be applied to the base course contaminate the base course.

Remove loose material from compacted base material surface immediately before applying prime coat.

Proof roll prepared base material surface to ensure unstable areas have been corrected and are ready to receive paving.

Prime Coat:

- Apply bituminous prime coat to base material surfaces where asphaltic concrete paving will be constructed.
- Apply bituminous prime coat in accordance with Section 300 of Florida D.O.T. Specifications.
- Apply at minimum rate of not less than 0.15 gal./sq. yd. over compacted base material. Apply material to penetrate and seal, but not flood, surface.
- Cure and dry as long as necessary to attain penetration and evaporation of volatile.

Tack Coat:

- Tack coat shall be applied in accordance with Section 300 of Florida D.O.T. Specifications. Apply to contact surfaces of previously constructed asphalt or portland cement and concrete and surfaces abutting or projecting into asphalt concrete pavement.
- Apply tack coat to full depth asphalt base course and sand asphalt base course. Apply emulsified asphalt tack coat between each lift or later of full depth asphalt and sand asphalt bases and on surface of such bases where asphaltic concrete paving will be constructed.
- Distribute at rate of 0.08 ga./sq. yd. of surface.
- Allow to dry until at proper condition to receive paving.

3.7 PLACING ASPHALT MIX:

Place asphalt concrete mixture on prepared surface, spread, and strike off. Spread mixture at the following minimum temperatures:

- When ambient temperature is between 40 degrees F and 50 degrees F: 285 degrees F.
- When ambient temperature is between 50 degrees F and 60 degrees F: 280 degrees F.
- When ambient temperature is higher than 60 degrees F: 275 degrees F.

Place inaccessible and small areas by hand. Place each course to required grade, cross-section, and compacted thickness.

Paver Placing:

- Place in strips not less than 10'-0" wide, unless otherwise acceptable to the Contracting Officer.
- After first strip has been placed and rolled, place succeeding strips and extend rolling to overlap previous strips.

Joints:

- Construct joints between old and new pavements as detailed in the plans.
- Joints between successive days work shall be constructed to ensure continuous bond between adjoining work.
- Construct joints to have same texture, density, and smoothness as other sections of asphalt concrete course.
- Clean contact surfaces and apply tack coat.

3.8 COMPACTION:

Each lift of asphalt shall be compacted to a minimum of 98% of the Marshall test ASTM D1559. Begin rolling when mixture will bear roller weight without excessive displacement. Compact mixture with hot hand tampers or vibrating plate compactors in areas inaccessible to rollers.

Breakdown Rolling:

- Accomplish breakdown or initial rolling immediately following rolling of joints and outside edge.
- Check surface after breakdown rolling, and repair displaced areas by loosening and filling, if required, with hot material.
- Second Rolling:
- Follow breakdown rolling as soon as possible, while mixture is hot.
- Continue second rolling until mixture has been thoroughly compacted.

Finish Rolling:

- Perform finish rolling while mixture is still warm enough for removal of roller marks.
- Continue rolling until roller marks are eliminated and course has attained maximum density.

Patching:

- Remove and replace paving areas mixed with foreign materials and defective areas.
- Cut out such areas and fill with fresh, hot asphalt concrete.
- Compact by rolling to maximum surface density and smoothness.

Protection:

- After final rolling, do not permit vehicular traffic on pavement until it has cooled and hardened.
- Erect barricades to protect paving from traffic until mixture has cooled enough not to become marked.

3.9 FIELD QUALITY CONTROL:

An independent Testing Laboratory, selected and paid by the contractor shall be retained to perform construction testing of in-place asphalt courses for Asphalt Extraction, Aggregate gradation, Marshall Stability, thickness and surface smoothness.

Thickness: In-place compacted thickness shall not be less than thickness specified on the drawings.

Surface Smoothness: Testing shall be performed on the finished surface of each asphalt concrete course for smoothness, using 10'-0" straightedge applied parallel with, and at right angles to centerline of paved area. The variation of the surface from the edge of the straight edge between any two contact points shall not exceed 1/4". Check surface areas at intervals necessary to eliminate ponding areas. Repair or remove and replace unacceptable paving as directed by the Contracting Officer.

Asphalt content, Aggregate gradation, and Marshall Stability shall be as specified in Section 331 of the Florida D.O.T. Specifications.

4 SPECIFICATION: PORTLAND CEMENT CONCRETE PAVING

4.1 SCOPE:

This section includes sidewalks, curbs, and miscellaneous concrete pavement.

4.2 APPLICABLE PUBLICATIONS:

The publications listed below form a part of this specification to the extent referenced. The publications shall be the most current issue and are referred to in the text by the basic designation only. The following are minimum requirements and shall govern except that all local, state, and/or federal codes and ordinances shall govern when their requirements are in excess hereof. All concrete construction shall be in accordance with applicable sections of the "Florida Department of Transportation Specifications for Road and Bridge Construction" unless modified herein.

CONTINUED ON NEXT COLUMN

Florida Department of Transportation Specifications:	
• Section 345	Portland Cement Concrete
• Section 350	Cement Concrete Pavement
• Section 520	Concrete Gutter, Curb Elements and Traffic Separator
• Section 931	Metal Accessory Materials for Concrete Pavement and Concrete Structures

American Society for Testing and Materials (ASTM) Publications:

- A 615 Deformed and Plain Billet Steel Bars for Concrete Reinforcement
- D 1557 Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 10-lb. (4.54 kg) Rammer and 18-in. (457mm) Drop.
- D 1751 Preformed Expansion Joint Filler for Concrete Paving and Structural Construction. (Nonextruding and Resilient Bituminous Types)

4.3 SUBMITTALS:

Material Certifications: Furnish copies of materials certificates signed by material producer and Contractor, certifying that each material item complies with, or exceeds, specified requirements.

4.4 MATERIALS:

Forms:

- Steel, wood, or other suitable material of size and strength to retain horizontal and vertical alignment until removed.
- Use straight forms, free of distortion and defects.
- Use flexible spring steel forms or laminated boards to form radius bends as required.

Form Release Agent:

- Coat forms with nonstaining type coating that will not discolor or deface surface of concrete.

Welded Wire Mesh:

- Welded plain cold-drawn steel wire fabric. Furnish in flat sheets, not rolls, unless otherwise acceptable to Contracting Officer. Welded wire mesh shall be free from rust, dirt, foreign matter and shall not be stored directly on the ground. Wire fabric shall comply with Sections 931 of the Florida D.O.T. Specifications.

Reinforcing Bars:

- Deformed steel bars, ASTM A 615, Grade 40. Reinforcing bars shall be free from rust, dirt, foreign matter and shall not be stored directly on the ground. Deformed steel bars shall comply with Section 931 of the Florida D.O.T. Specifications.

Concrete Materials:

- Comply with requirements of Sections 345 and 350 of the Florida D.O.T. Specifications for concrete materials, admixture, bonding materials, curing materials, and others as required.

Joint Fillers:

- Resilient premolded bituminous impregnated fiberboard units complying with ASTM D 1751. Joint fillers shall comply with Section 932 of the Florida D.O.T. Specifications.

4.5 MIXING:

Design mix to produce normal weight concrete consisting of Portland cement, aggregate, water-reducing or high-range water reducing admixture (super-plasticizer), air-entraining admixture and water to produce following properties:

- Compressive Strength: Minimum 3,000 psi for curb and walkways and 4,000 psi for pavement, at 28 days. In addition, concrete for pavement shall have a minimum modulus of rupture of 600 psi.
- Slump Range: 3" - 5".
- Air Content: 3% to 6%.

4.6 PREPARATION:

Surface Preparation:

- Remove loose material from compacted base material surface immediately before placing concrete.
- Compact the top 12 inches of subgrade to a minimum soil density of 98% for the Modified Proctor Test (ASTM D 1557) to result in a minimum modulus of subgrade reaction (k) of 150 psi/in. Proof-roll prepared base material surface to check for unstable areas. The paving work shall begin after the unsuitable areas have been corrected and are ready to receive paving. Compaction testing for the base material shall be completed prior to the placement of the paving.

4.7 CONCRETE INSTALLATION:

Form Construction:

- Set forms to required grades and lines, rigidly braces and secured. Install sufficient quantity of forms to allow continuous progress of work and so that forms can remain in place at least 24 hours after concrete placement.
- Check completed formwork for grade and alignment to following tolerances:
 - Top of forms not more than 1/8" in 10'-0".
 - Vertical face on longitudinal axis, not more than 1/4" in 10'-0".
 - Clean forms after each use, and coat with form release agent as often as required to ensure separation from concrete without damage.

Reinforcement:

- Locate, place, and support reinforcement to ensure compliance with plans.

Concrete Placement:

- Comply with requirements of Sections 345, 350, and 520 of Florida D.O.T. Specifications for mixing and placing concrete.

Do not place concrete until base material and forms have been checked for line and grade. Moisten base material if required to provide uniform dampened condition at time concrete is placed. Concrete shall not be placed around manholes or other structures until they are at the required finish elevation and alignment.

Place concrete using methods, which prevent segregation of mix. Consolidate concrete along face of forms and adjacent to transverse joints with internal vibrator. Keep vibrator away from joint assemblies, reinforcement, or side forms. Consolidate with care to prevent dislocation of reinforcing, dowels, and joint devices.

Deposit and spread concrete in continuous operation between transverse joints, as far as possible. If interrupted for more than 1/2 hour place construction joint.

Curbs and Gutters:

Automatic machine may be used for curb and gutter placement at Contractor's option. Machine placement must produce curbs and gutters to required cross section, lines, grades, and jointing as specified for formed concrete. If results are not acceptable, remove and replace with formed concrete as specified.

4.8 JOINT CONSTRUCTION:

Construct expansion, weakened-plane (Contraction), and construction joints true-to-line with face perpendicular to surface of concrete. Construct transverse joints at right angles to centerline, unless otherwise indicated.

Weakened-Plane (Contraction) Joints:

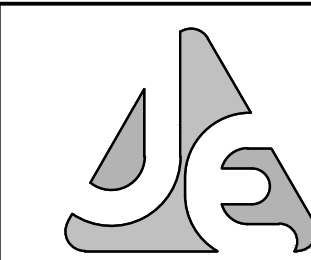
- Provide weakened-plane (contraction) joints, sectioning concrete into areas at 15'-0" o.c. maximum each way.
- Sidewalks shall have contraction joints at 5'-0" o.c.
- Construct weakened-plane joints for depth equal to at least 1/4 concrete thickness.

Tooled Joints:

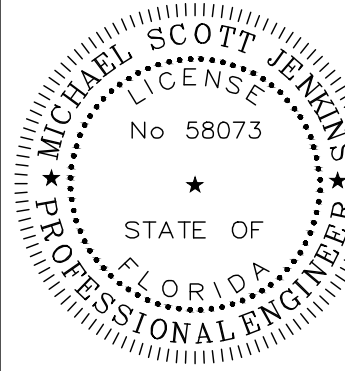
Form weakened-plane joints in fresh concrete by grooving top portion with recommended cutting tool and finishing edges with jointer.

APPROVED

By Daniel Butler at 8:58 am, Aug 26, 2024



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BY: MPF

REVISIONS PER CITY 100% REVIEW	DESCRIPTION

DATE	REV
5/15/2024	3

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Construction Joints:

Plan concrete placement such that construction joints fall at expansion joints as detailed in the plans.

Expansion Joints:

Provide premolded joint filler for expansion joints abutting concrete curbs, catch basins, manholes, inlets, structures, walks, and other fixed objects.

Locate expansion joints at 40'-0" o.c. maximum for each pavement lane or for curb.

Located expansion joints at 50'-0" o.c. maximum for walkways.

Joint Fillers:

Extend joint fillers full-width and depth of joint, and not less than 1/2" or more than 1" below finished surface where joint sealer is indicated.

Furnish joint filler in one-piece lengths for full width being placed, wherever possible. Where more than one length is required, lace or clip joint filler sections together.

Joint Sealants:

Exterior pavement joint sealants shall be composed of a non-priming, pourable, self-leveling type polyurethane sealant, such as grey shep-calk, or approved equal suitable for use in pavements and sidewalks.

4.9 CONCRETE FINISHING:

After striking-off and consolidating concrete, smooth surface by screeding and floating. Adjust floating to compact surface and produce uniform texture.

After floating, test surface for trueness with 10'-0" straightedge (maximum deviation of 1/4 inch). Distribute concrete as required to remove surface irregularities, and refloat repaired areas to provide continuous smooth finish.

Work edges of slabs, gutters, back top edge of curb, and formed joints with an edging tool, and round to 1/2" radius. Eliminate tool marks on concrete surface.

After completion of floating and troweling when excess moisture or surface sheen has disappeared, complete surface finish as follows:

Curbs, Gutters, and Walks:

Broom finish by drawing fine-hair broom across concrete surface perpendicular to line of traffic. Repeat operation if required to provide fine line texture.

Inclined Slab Surfaces:

Provide coarse, nonslip finish by scoring surface with stiff-bristled broom perpendicular to line of traffic.

Paving:

Burlap finish by dragging seamless strip of damp burlap across concrete perpendicular to line of traffic. Repeat operation to provide gritty texture.

Do not remove forms for 24 hours after concrete has been placed. After form removal, clean ends of joints and point up any minor honeycombed areas. Remove and replace areas or section with major defects, as directed.

Protect and cure finished concrete paving in accordance with "Florida Department of Transportation Specifications for Road and Bridge Construction" Section 350-13.

4.10 CLEANING AND ADJUSTING:

Repair or replace broken or defective concrete as directed.

Protect concrete from damage until acceptance of work. Exclude traffic from pavement for at least 14 days after placement. When construction traffic is permitted, maintain pavement as clean as possible by removing surface stains and spillage of materials.

Sweep concrete pavement and wash free of stains, discolorations, dirt, and other foreign material just prior to final inspection.

5 SPECIFICATION: FENCING

The Contractor shall install fencing as shown on the plans and in accordance with the manufacturer's brochure. The following are minimum requirements and shall govern except that all local, state and/or federal codes and ordinances shall govern when their requirements are in excess hereof.

5.1 MATERIAL CERTIFICATES:

Furnish copies of materials certificates signed by material producer and Contractor, certifying that each material item complies with, or exceeds, specified requirements.

5.2 MATERIALS:

All materials and equipment incorporated in the work shall be new, clean, and free of visual defects unless otherwise specified, and that all work will be of good quality, free from faults and defects and in conformance with the Contract Documents. All work not conforming to these requirements may be considered defective.

Height shall be as required as shown on the construction plans.

Fabric shall be #9 gauge, chain link open hearth steel wire, hot-dipped galvanized after weaving with minimum coating of 2.0 ounce of zinc per square foot or aluminum coating with .40 ounces per square foot, woven in 2" diamond mesh.

Line post, top, intermediate and bottom rails, shall be 1-5/8" O.D. steel pipe, weight 2.27 lbs. per foot, hot-dipped galvanized. Set 36" deep in concrete.

Terminal, corner, gate and pull posts shall be 3" O.D. pipe, 5.79 lbs. Set 36" deep in concrete.

Concrete for setting posts shall be Portland Cement complying with ASTM C-150, aggregates complying with ASTM C-33, and clean water. Mix materials to obtain concrete with a minimum 28-day compressive strength of 2,500 psi.

Stretcher bar bands, tie wires, hog rings, couplings, nuts, stretcher bars, bolts, and miscellaneous fastening devices shall be manufacturer's standard for heavy construction fence.

Swing gates shall consist of the following components.

2" O.D. steel pipe 2.72 lbs. per foot, hot-dipped galvanized. Each frame to be equipped with 3/8" diameter adjustable truss rods.

Hinges shall be hot-dipped galvanized pressed steel or malleable iron to suit gate size, non-lift-off type. Hinges shall be offset to permit 180 degrees opening. Provide one (1) pair of hinges per lead.

Latch shall be forked type to permit operation from either side with provisions to lock both sides with padlock.

5.3 ACCEPTABLE MANUFACTURERS:

Cyclone Fence, Page Fence, and Hackney Corporation.

6 SPECIFICATION: TRAFFIC STRIPING AND PAINTING

The Contractor shall paint traffic striping as shown on the plans. The following are minimum requirements and shall govern except that all local, state and/or federal codes and ordinances shall govern when their requirements are in excess hereof. All traffic striping and painting shall be in accordance with Sections 710 and 971 of the "Florida Department of Transportation Roadway and Traffic Design Standards".

6.1 MATERIAL CERTIFICATES:

Furnish copies of materials certificates signed by material producer and Contractor, certifying that each material item complies with, or exceeds, specified requirements.

6.2 TRAFFIC STRIPING AND PAINTING:

Traffic control markings shall be marked on pavement as indicated on drawings.

Paint shall be in sealed containers that plainly show the designated name, formula or specification number, batch number, color, date of manufacture, manufacturer's name, formulation number, and directions, all of which shall be plainly legible at the time of use. The paint shall be homogeneous, easily stirred to smooth consistency, and shall show no hard settlement or other objectionable characteristics during a storage period of six months.

All machines, tools, and equipment used in performance of the work shall be approved and maintained in satisfactory operating condition. Hand-operated push-type machines of a type commonly used for application of paint to pavement surfaces shall be acceptable for marking small street and parking areas. Applicator machines shall be equipped with necessary paint tanks and spraying nozzles, and shall be capable of applying paint uniformly at the coverage specified. Sandblasting equipment shall be provided as required for cleaning surfaces to be painted. Hand-operated spay guns shall be provided for use in areas where push-type machines cannot be used.

New pavement surfaces shall be allowed to cure for a period of not less than thirty days before application of marking materials. All surfaces to be marked shall be thoroughly cleaned before application of the paint. Dust, dirt, and other granular surface deposits shall be removed by sweeping, blowing with methods as required. Rubber deposits, surface laitance, existing paint markings and other coatings adhering to the pavement shall be completely removed with scrapers, wire brushes, sandblasting, approved chemicals, or mechanical abrasion as directed.

Paint shall be applied evenly to the pavement surface to be coated at a rate of 105 plus or minus 5 square feet per gallon. Paint shall be applied as shown on the drawings.

Paint shall be applied to clean, dry surfaces, and unless otherwise approved, only when air and pavement temperatures are above 40 degrees F and less than 95 degrees F. Paint temperature shall be maintained within these same limits. Paint shall be applied pneumatically with approved equipment at rate of coverage specified herein. The Contractor shall provide guidelines and templates as necessary to control paint application. Special precautions shall be taken in marking numbers, letters, and symbols. All edges of marking shall be sharply outlined. The maximum drying time requirements of the paint specifications will be strictly enforced, to prevent undue softening bitumen, and pickup, displacement, or discoloration by tires of traffic. If there is a deficiency in drying of the markings, painting operations shall be discontinued until cause of the slow drying is determined and corrected.

Suitable warning signs shall be placed near the beginning of the work site and well ahead of the work site for alerting approaching traffic from both directions. Small markers shall be placed along newly painted lines to control traffic and prevent damage to newly painted surfaces. Painting equipment shall be marked with large warning signs indication that slow moving painting equipment is in operation.

Markings which must be visible at night shall be reflectorized unless ambient illumination assures adequate visibility.

7 SPECIFICATION: WATER DISTRIBUTION SYSTEM

The Contractor shall provide and install all materials for a potable water distribution system as shown on the drawings and in this specification. In addition, he shall obtain all permits and conduct all tests required by local, state and federal authorities and as specified on these drawings.

7.1 MATERIALS:

All materials and equipment incorporated in the work shall be new, clean, and free of visual defects unless otherwise specified, and that all work will be of good quality, free from faults and defects and in conformance with the Contract Documents. All work not conforming to these requirements may be considered defective.

Piping less than 4 inches in diameter:

• Polyvinyl Chloride (PVC) 160 psi, SDR 26

ASTM D-2241

• Polyethylene pipe 160 psi, SDR 9

ASTM D-3350 & ASTM D-2239

• Polyethylene tubing 200 psi, SDR 9

ASTM D-3350 & ASTM D-2737

Piping greater than 4 inches in diameter:

• Polyvinyl Chloride (PVC) 150 psi

AWWA C-900 (DR 18)

• Ductile Iron (Class 50)

ANSI A21.51

Joints for PVC pipes:

• Joints shall comply with ASTM D-3139

• No solvent cements or toxic lubricant will be allowed.

• Expansion capability will be provided.

Joints for Ductile Iron pipes:

• Joints shall comply with AWWA C-153 or AWWA C-110

Gate Valves:

• Valves shall comply with AWWA C-509

• 200 psi iron body, bronze mounted, non-rising stems with square operating nuts and a suitable valve box.

7.2 INSTALLATION:

Shall comply with all local, state and federal regulations. The Contractor shall provide proper facilities for handling and laying pipe and accessories. No pipe will be laid in unsuitable weather or in water. The Contractor will verify all field dimensions with the design Engineer (including Field Stake-Out) prior to commencing work. The Contractor shall notify the Engineer at 24 hours prior to installing any portion of the water main distribution system. He shall also stake all service connections and provide as-built dimensions to the Engineer. Connections to the existing system shall be coordinated with the Utility Company. Minimal service interruption shall occur and traffic safeguards shall be taken.

The Contractor shall conduct hydrostatic pressure and leakage tests as follows: Apply 150 psi or 150% of the working pressure whichever is greater to the test line. Duration of the pressure test shall be at least two (2) hours. After 1/2 hour, check pressure, if pressure has dropped, inspect for leaks and correct as required. Repeat tests until there are no leaks or pressure loss. Pressure must hold for two hours.

Note: The Contractor shall notify the Utility Company and the Engineer at least 48 hours prior to conducting pressure and leakage tests. A 3/4 inch hose bib connection will be required for gauge connection.

The Contractor shall sterilize the lines by chlorinating at 40 to 50 ppm, injecting at a corporation stop and operating all valves and accessories. Flush system. Subsequent tests on replacement water shall show a chemical and bacterial count equal to the supply main. Samples shall be taken and tested at the expense of the Contractor, and results shall be acceptable to local, state and federal agencies of interest.

7.3 NOTES:

All water piping and fittings used shall be National Sanitation Foundation (N.S.F.) approved for potable water.

A minimum separation of 10 ft. horizontal, outside to outside and 18 inches vertical is required between all water lines and the sanitary sewer system.

When trench excavation depth exceeds five feet, the Contractor shall provide trench protection (shields, sloping, shoring, etc.) and shall comply with OSHA Standard 29 CFR, Section 1926.650 Subpart P.

In accordance with rules of the Florida Department of Environmental Protection (DEP), Chapter 62-555, the Engineer of record will be responsible for observation of construction of the Potable Water System. The Engineer shall be notified at commencement and completion of construction. To assure compliance with plans and specifications, said Engineer will report to DEP upon completion of construction and cleaning and disinfecting described above before the system can be placed in service.

All PVC potable water lines and services will be marked with No. 14 copper insulated tracer wire to enable location with a Ferrous Metal Detector. The tracer wire will be placed 12 inches above and throughout the length of all such pipe.

7.4 FIRE HYDRANTS:

All fire hydrants shall be 6 inch, three way hydrants with two 2-1/2 inch hose nozzles and one 4-1/2 inch pumper nozzle, designed for 150 lbs working pressure or 300 lbs hydrostatic pressure and shall conform to the latest specifications of the AWWA All working parts shall be bronze. All hose threads shall be National Standard Threads. Hydrants shall have a mechanical joint end inlet. Hydrants shall be Traffic Breakaway Model. The hydrant main valve shall be a compression type that closes with the water pressure. Hydrants shall have not less than a 5-1/4 inch valve opening. All hydrants shall be equipped with automatic self-oiling reservoirs that lubricate the stem threads and all bearing surfaces each time the hydrant is operated. Hydrants shall be painted one coat of red iron oxide, zinc oxide primer conforming to Steel Structures Painting Council SSPC-paint 25 and two finish coats of silicone alkyl paint conforming to Steel Structures Painting Council

SSPC-paint 21. Fire hydrants shall be painted in accordance with NFPA 291, Recommended Practice For Fire Flow Testing and Marking of Hydrants.

8 SPECIFICATION: SANITARY SEWER SYSTEM

The Contractor shall provide and install all gravity sewer material shown on the drawings and in this specification. In addition, he shall obtain all permits and conduct all tests required by local, state and federal authorities and as specified on these drawings.

8.1 MATERIALS:

All materials and equipment incorporated in the work shall be new, clean, and free of visual defects unless otherwise specified, and that all work will be of good quality, free from faults and defects and in conformance with the Contract Documents. All work not conforming to these requirements may be considered defective.

Piping:

• PVC Gravity Sewer

ASTM D-3034, SDR-35

• Ductile Iron Pipe (D.I.P.)

ANSI A21.51

• PVC Force Mains (160 psi)

ASTM D-1784 and D-2241

Joints:

• PVC, Rubber Ring

ASTM D-1869

• D.I.P. Joints, Rubber Gasket

ANSI A21.11

NOTE: ALL JOINTS TO BE BELL AND SPIGOT TYPE.

Concrete:

• Poured or Pre-cast

4000 psi at 28 days

8.2 INSTALLATION:

Shall comply with all local, state and federal regulations. The Contractor shall provide proper facilities for handling and laying pipe and accessories. Trenches shall be properly prepared; pipe shall be supported over its full length and bell holes hand dug as required. No pipe will be laid in unsuitable weather or in water. The Contractor will verify all field dimensions and report all discrepancies (including field stake-out) prior to commencing work. The contractor shall notify the Engineer at least 24 hours prior to installing any portion of the sanitary sewer system. He shall also stake all service connections and provide as-built dimensions to the Engineer. Manholes, cleanouts and the like shall be located, built and sized as shown on these drawings. Connections with existing sewer systems shall be coordinated by the Contractor with the utility company.

A minimum separation of 10 ft. horizontal measured outside to outside and 18 inches vertical is required between sanitary sewer lines and all water lines.

When trench excavation depth exceeds five feet, the Contractor shall provide trench protection (shields, sloping, shoring, etc.) and shall comply with OSHA Standard 29 CFR, Section 1926.650 Subpart P.

In accordance with rules of the Florida Department of Environmental Protection (DEP), Chapter 62-604, the Engineer of record will be responsible for observation of construction of the Sanitary Sewer System. The Engineer shall be notified at commencement and completion of construction. To assure compliance with plans and specifications said Engineer will report to DEP upon completion of construction before the system can be placed in service.

The Contractor shall coordinate all tests with the utility company and the Engineer. All lines, fittings and manholes shall be clean and dry before conducting tests. Tests and subsequent corrections shall be at the expense of the Contractor.

8.3 GRAVITY SEWERS:

Leakage tests by exfiltration and/or infiltration will be made on all pipe. The Engineer shall have the option determining which test shall be employed. Generally, if the groundwater table is below the bottom of the pipe, an exfiltration test shall be used. Duration of test shall be not less than two (2) hours. Visible leaks encountered shall be corrected regardless of leakage test results. Leakage as measured by either the infiltration or exfiltration test shall not exceed 0.157 gallons per inch diameter per 100 feet of pipe per hour. When leakage exceeds the maximum amount specified, satisfactory correction shall be made and retesting accomplished.

Deflection testing shall be done on all flexible pipe at the direction of the Engineer. Testing shall be done using a mandrel having a diameter equal to 95 percent of the inside diameter of the pipe. When a deflection device is used in lieu of the mandrel, such device shall be approved by the Engineer prior to use. No pipe deflection shall exceed 5 percent.

8.4 FORCE MAINS:

The Contractor shall conduct hydrostatic pressure and leakage tests as follows:

Apply 100 psi or 150% of the working pressure, whichever is greater, to the test line. Duration of the pressure test shall be at least two (2) hours. After 1/2 hour, check pressure, if pressure has dropped, inspect for leaks and correct as required. Repeat tests until there are no leaks or pressure loss. Pressure must hold for two hours.

Note: The Contractor shall notify the Utility Company and the Engineer at least 24 hours prior to conducting pressure and leakage tests.

Force mains shall have thrust blocks designed for 100 psi test pressure. Force mains shall be colored other than white to distinguish from water lines. Force mains in the right-of-way shall have 30 inches (minimum) cover over the crown.

All sanitary sewer force mains will be marked with No. 14 copper insulated tracer wire to enable location with a Ferrous Metal Detector. The tracer wire will be placed 12 inches above and throughout the length of all such pipes.

8.5 MANHOLES:

Shape: All manholes will be eccentric or as specified on the drawings.

Setting Manhole Castings: The frame of the casting shall be set in a full mortar bed composed of one part Portland Cement to two parts of fine aggregate.

Concrete: The minimum compressive strength required at twenty-eight days is 4000 lbs. per sq. inch. The minimum amount of water shall be used to produce a workable mix and shall not exceed six (6) U.S. Gallons per sack of cement. Concrete shall conform to ASTM C-94.

Pre-cast Reinforced Concrete Manhole Sections: Pre-cast reinforced concrete manhole sections shall conform to ASTM C-478. All joints for pre-cast sections shall be approved by the Engineer.

Castings: Cast iron frames and covers shall conform to the drawings in all essentials of design. All castings shall be made of clean, even grain, tough gray cast iron. The quality of iron in the castings shall conform to the current ASTM Specification A-48 for Class 20 Gray Iron Castings. The weight of castings shall be as shown in the plans. Castings shall be smooth, true to pattern, and free from projections, sand holes, or defects. A raised word "SEWER" shall be cast on the upper non-skid surface of all manhole covers. The portio of the frame and cover which forms the cover seat shall be machined so that no rocking of the cover is possible. The castings shall be coated with coal tar pitch varnish. On roadways the frame and cover shall be set flush with and in the plane of the surface. In other locations they shall be set to grades determined by the Engineer. A shop drawing of the manhole frame and cover must be approved by the Engineer for all covers and frames furnished on the project.

Water-Proofing: Both concrete and pre-cast sections below grade shall be painted on the outside with either two coats of bitumatic paint or a heavy layer of emulsified asphalt to water-proof completely. Manholes shall be inspected for water tightness prior to being placed in service. All incoming and outgoing sewer lines shall be plugged and the manhole filled with water to a level to create a minimum positive head of two feet or above the highest section joint. If the water level drop exceeds 1/8" per vertical foot of manhole depth in 5 minutes, the manhole shall have failed the test.

8.6 GENERAL:

Grout all riser joints and entry pipes.

Provide neat cement seals for pre-cast units.

Minimum radius allowed is 20 inches.

Invert grouting shall be uniform and smooth-sloped to center line of pipe.

Note: Roof drains, foundation drains and all other clean water connections to the sanitary sewer system are prohibited.

9 SPECIFICATION: STORM SEWER SYSTEM

The Contractor shall provide and install all storm sewer material shown on the drawings and in this specification. In addition, he shall obtain all permits and conduct all tests required by local, state and federal authorities and as specified.

9.1 MATERIALS:

Corrugated Polyethylene Pipe: Shall comply with section 948 of the latest edition "Florida Department of Transportation Specifications for Road and Bridge Construction" unless modified herein. Pipes 12 inches to 24 inches in diameter shall comply with ASTM F-405 and ASTM F-667. Joints shall be by means of dimpled band. If used outside of dry wells, joints shall be wrapped in filtercloth 2 feet in width and with 2 feet of overlap on the diameter. This pipe, in the perforated form, shall be used inside dry wells. It may be used outside dry wells only when used with a filter sock. Perforations shall be 1/4 inch diameter and spaced 10 inches on center in the valley of the corrugations.

Polyvinyl-Chloride Pipe: Shall comply with section 948 of the latest edition "Florida Department of Transportation Specifications for Road and Bridge Construction" unless modified herein. Polyvinyl-Chloride Pipe shall meet the requirements of ASTM D 3034, SDR-35, or ASTM F 949, profile wall without perforations. Polyvinyl-Chloride Pipe for use as underdrain shall conform to the requirements of ASTM F 758 or ASTM F 949. Also, PVC underdrain manufactured from PVC pipe meeting ASTM D 3033 or ASTM D 3034, perforated in accordance with the perforation requirements given in AASHTO M 36, or AASHTO M 196 will be permitted.

Reinforced Concrete Pipe: Shall comply with requirements of ASTM C-76, Class III, unless otherwise indicated on the Drawings, and shall be installed with rubber gasketed joints complying with ASTM C-443. Install rubber gaskets in strict accordance with pipe manufacturer's recommendations.

Manholes: Precast reinforced concrete manhole sections shall conform to ASTM Specification C-478. Construct manholes of precast concrete sections as required by Drawings to size, shape, and depth indicated, but never less than 4'-0" inside diameter. All joints for precast sections shall be approved by the engineer.

Inlets and Catch Basins: Precast reinforced concrete Inlets and Catch Basin sections shall conform to ASTM C-478. Construct Inlets and Catch Basins of precast concrete construction as required by drawings to size, shape and depth indicated.

Main and Lateral Pipes: Neatly cut off main and lateral pipes flush with inside of manhole or inlet where they enter structure walls. Dress all irregularities and rough edges with non-shrinking group (inside and outside).

Where pipes enter or exit manholes, a "Kor-N-Seal" molded neoprene boot with stainless steel internal and external bands as manufactured by the National Pollution Control Systems, Inc., Nashua, New Hampshire, or a polyurethane joint with a short transition joint as manufactured by Moorform Corporation, Centralia, Illinois, or an approved equal (or superior) connection shall be provided.

Cast Iron Frames, Covers, and Grates: After completion of manhole inlet, set cast iron frame in full mortar bed after adjusting to required elevation. Cast iron frames and covers shall conform to the drawings in all essentials of design. All castings shall be made of clean, even grain, tough gray cast iron The quality of iron in the castings shall conform to the current ASTM Specification A-48 for Class 20 Gray iron Castings. The weight of castings shall be as shown in the plans. Castings shall be smooth, true to pattern, and free from projections, sand holes, or defects. A raised word "STORM SEWER" shall be cast on the upper non-skid surface of all manhole covers. The portion of the frame and cover which forms the cover seat shall be machined so that no rocking of the cover is possible. The castings shall be coated with coal tar pitch varnish. On roadways the frame and cover shall be set flush with and in the plane of the surface. In other locations they shall be set to grades determined by the engineer. The frame and cover shall be heavy duty traffic bearing.

Plastic Filter Fabric: Plastic Filter Fabric shall be the non-woven type and shall comply with sections 514 and 985 of the latest edition "Florida Department of Transportation Specifications for Road and Bridge Construction" unless modified herein.

Concrete: Concrete shall comply with Section 345 of the latest edition "Florida Department of Transportation Specifications for Road and Bridge Construction" unless modified herein. Minimum compressive strength at 28 days shall be 4,000 psi.

9.2 DETENTION AREAS AND GRASSED SWALES:

Swales must be landscaped with seeding, sodding, or sprigging, which does not inhibit the infiltration rate of the soil. Engineer requires 48 hours notice prior to landscaping of infiltration areas to make appropriate inspections.

The system will require periodic maintenance for continued proper operation. This will include, as a minimum: A) removal of silt debris from surface infiltration areas and catch basins, and B) maintenance of vegetative cover in surface infiltration areas.

9.3 STORMWATER DRYWELLS:

Drywells shall be constructed to the dimensions as detailed in the plans. The washed granular material shall have of a void ratio of not less than 0.4 and the gradation shall conform to section 901 of the latest edition "Florida Department of Transportation Specifications for Road and Bridge Construction". The dry well shall be completely wrapped in woven (as opposed to spun) filter cloth with a minimum 2 feet of overlap at field joints. The dry well shall contain perforated pipes as detailed in the plans.

9.4 INSTALLATION:

The Contractor shall comply with all local, state and federal regulations. The Contractor shall provide proper facilities for handling and laying pipe and accessories. Trenches shall be properly prepared; pipe shall be supported over its full length and bell holes hand dug as required. No pipe will be laid in unsuitable weather or in water. The Contractor will verify all field dimensions and report all discrepancies (including field stake-out) prior to commencing work. The contractor shall notify the Engineer at least 24 hours prior to installing any portion of the storm sewer system. He shall also stake all service connections and provide as-built dimensions to the Engineer. Manholes, cleanouts and the like shall be located, built and sized as shown on these drawings. Connections with existing storm sewer systems shall be coordinated by the Contractor with the Utility Authority. Adequate traffic control shall be provided.

A minimum separation of 10 ft. horizontal measured outside to outside and 18 inches vertical is required between storm sewer lines and all water lines.

When trench excavation depth exceeds five feet, the Contractor shall provide trench protection (shields, sloping, shoring, etc.) and shall comply with OSHA Standard 29 CFR, Section 1926.650 Subpart P.

In accordance with rules of the Florida Department of Environmental Protection (DEP), Chapter 62-25, the Engineer of record will be responsible for observation of construction of the Storm Sewer System. The Engineer shall be notified at commencement and completion of construction. To assure compliance with plans and specifications, said Engineer will report to DEP upon completion of construction before the system can be placed in service.

9.5 TESTS:

The Contractor shall coordinate all Tests and Inspections with the Utility Authority and the Engineer. All lines, fittings and manholes shall be clean and dry before the Inspector is summoned. Tests and subsequent corrections shall be at the expense of the Contractor.

Non-Perforated Storm Sewers: Leakage tests by exfiltration and/or infiltration will be made on all pipe as deemed by the Engineer. The Engineer shall have the option determining which test shall be employed. Generally, if the groundwater table is below the bottom of the pipe, an exfiltration test shall be used. Duration of test shall be not less than two (2) hours. Visible leaks encountered shall be corrected regardless of leakage test results. Leakage as measured by either the infiltration or exfiltration test shall not exceed 0.2 gallons per inch diameter per 100 feet of pipe per hour. When leakage exceeds the maximum amount specified, satisfactory correction shall be made and retesting accomplished.

Deflection testing shall be done on all flexible pipe at the direction of the Engineer. Testing shall be done using a mandrel having a diameter equal to 95 percent of the inside diameter of the pipe. When a deflection device is used in lieu of the mandrel, such device shall be approved by the Engineer prior to use. No pipe deflection shall exceed 5 percent.

9.6 EROSION PROTECTION:

New and existing drainage structures shall be protected from soil erosion sedimentation by placing baled hay around structures.

Stacked baled hay and silt fence barriers shall be installed downhill from any earthwork activity, and in all areas subject to soil erosion, prior to start of construction.

Soil erosion sedimentation shall be controlled during all phases of construction.

ALL SOIL EROSION SEDIMENTATION SHALL BE RETAINED ON SITE.

APPROVED
By Daniel Butler at 8:58 am, Aug 26, 2024

CITY OF DESTIN

CITY OF DESTIN PICKLEBALL COURTS
DESTIN, FLORIDA

SPECIFICATIONS II

JOB: 23-58

DATE: 10-2023

DESIGNED: MSJ

DRAWN: MPF

BAR IS ONE INCH ON ORIGINAL
0 1"

IF NOT ONE INCH ON THIS SHEET
ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
13 OF 13

SHEET NUMBER
C13

CONTINUED ON NEXT COLUMN

CONTINUED ON NEXT COLUMN

CONTINUED ON NEXT COLUMN

A. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT SIZE AND LOCATION OF EQUIPMENT WHICH IS FURNISHED BY OTHERS AND CONNECTED BY ELECTRICAL.

B. VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGHING-IN WALL FOR SWITCHES.

C. LOCATION OF LIGHTING FIXTURES, DISCONNECT SWITCHES, ETC. FOR MECHANICAL EQUIPMENT/ROOM SHALL BE COORDINATED WITH FINAL MECHANICAL EQUIPMENT LOCATION TO PROVIDE NATIONAL ELECTRIC CODE REQUIRED ACCESS SPACE.

D. ALL EXPOSED CONDUITS, BOXES, STRAPS AND HANGERS IN THE CONTRACT AREA WHETHER NEW OR EXISTING THAT ARE PART OF THE ELECTRICAL SYSTEM SHALL BE PAINTED TO MATCH ADJACENT FINISH.

E. GENERAL CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES FAILURE TO DO SO INDICATES THAT THE CONTRACTOR ACCEPTS THE CONDITIONS AS THEY EXIST, AND SHALL PERFORM THE WORK REQUIRED AS SHOWN AND SPECIFIED.

F. COMPLY WITH ALL LOCAL CODE, LAWS, AND ORDINANCES APPLICABLE TO ELECTRICAL WORK, THE STATE BUILDING CODE AND THE NATIONAL ELECTRIC CODE. OBTAIN ALL PERMITS REQUIRED BY LOCAL ORDINANCES.

G. OBTAIN ARCHITECTS APPROVAL OF ALL LIGHT FIXTURES, SWITCHES, RECEPTACLES, PANELBOARDS, ETC. PRIOR TO PURCHASING.

H. THE ELECTRICAL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. ALL NOT SO INSTALLED SHALL BE REMOVED AND REPLACED AT NO COST TO THE OWNER.

I. ALL WORK SHALL BE INSTALLED IN CONCEALED TYPE CONSTRUCTION. UNDERGROUND CONDUITS UP TO FIRST BOX IN CONCEALED CONSTRUCTION MAY BE SCH40 PVC. EXTERIOR EXPOSED WORK SHALL BE I.M.C. BRANCH CIRCUIT CONDUIT RUN IN OPEN SPACES ABOVE CEILING OR IN WALLS MAY BE THINWALL (E.M.T.) CONDUIT 1/2" MIN. SIZE.

J. ALL CONDUCTORS LESS THAN 100A. SHALL BE COPPER #12 & #10 SOLID, #8 AND LARGER STRANDED, #6 AND SMALLER TO BE TYPE THWN. 600 VOLT INSULATION AND TYPE THWN OR THHN FOR #4 AND LARGER. ALUM. CONDUCTORS MAY BE USED FOR 100A. AND LARGER ONLY WHERE USED WITH COMPRESSION TERMINATIONS.

K. PROVIDE GROUNDING PER NATIONAL ELECTRIC CODE.

L. THE CONTRACTOR SHALL LEAVE THE ENTIRE ELECTRICAL SYSTEM INSTALLED IN PROPER WORKING ORDER, AND SHALL REPLACE WITHOUT ADDITIONAL COST, ALL WORK OR MATERIAL WHICH MAY DEVELOP DEFECTS, (ORDINARY WEAR AND TEAR OR DAMAGE RESULTING FROM IMPROPER HANDLING EXCEPTED) WITHIN A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.

TYPICAL ELECTRICAL EQUIPMENT NAMEPLATE

A-1

A-1 ADJACENT TO ARROW INDICATES HOMERUN OF CIRCUIT NO. 1 TO PANEL A; "B" INDICATES FIXTURE TYPE; MARKS ACROSS RACEWAY RUN INDICATES THE NUMBER OF NO. 12 CONDUCTORS; UNLESS NOTED OTHERWISE NO MARKS INDICATES TWO NO. 12 CONDUCTORS AND ONE NO. 12 GREEN GROUND CONDUCTOR IN 1/2" CONDUIT (#12 & #12 GND-1/2")

POLE MOUNTED FIXTURE

SW WALL SWITCH; 120/277V; 20A; 2 POLE; A.C.; MT 48" AFF TO CL; HUBBELL SERIES HBL1222; IN WEATHER PROOF ENCLOSURE

PANEL; 120/240V; MT 72" AFF TO TOP

RACEWAY INSTALLED CONCEALED IN WALLS AND/OR ABOVE CEILING

RACEWAY INSTALLED CONCEALED IN FLOOR SLAB AND/OR BELOW GRADE

ATTACH TO POLE. DO NOT BOND TO BUILDING CONDUIT SYSTEM

ROUND POLE BASE COVER PAINT TO MATCH POLE

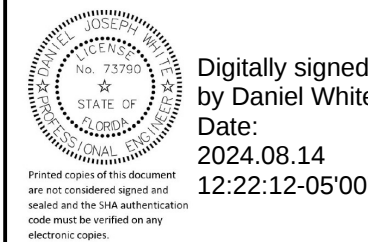
[illegible]

1.	REQUIRED ALTERNATE FIXTURES SHALL BE SUBMITTED TO THE ENGINEER FOR PRIOR APPROVAL A MINIMUM OF (10) TEN BUSINESS DAYS PRIOR TO BID DATE. ANY REQUIRED ALTERNATE FIXTURES NOT SUBMITTED FOR PRIOR APPROVAL WILL NOT BE REVIEWED.
2.	FIXTURE(S) MOUNTED AT APPROX 23'-0" AFG TAKING INTO ACCOUNT POLE ARM RISE

PB1		SYSTEM		240/120V		1Ø		3W	
		RATING		200A		M.C.B.		22,000 AIC MINIMUM	
		ENCLOSURE		NEMA 3R		SURFACE MOUNT			
		OPTIONS BOLT ON BREAKERS; SERVICIE ENTRANCE RATED							
CKT #	SERVING	CKT BKR		CONNECTED LOAD (VA)		CKT BKR		SERVING	CKT #
		TRIP	POLE			POLE	TRIP		
1	PICKLEBALL COURT 1 LIGHTS	20	2	2512	3058	2	100	PREFAB BATHROOM PANEL	2
3	--	--	--	--	--	--	--	--	4
5	PICKLEBALL COURT LIGHTS	20	2	1704	1704	2	20	PICKLEBALL COURT LIGHTS	6
7	--	--	--	--	--	--	--	--	8
9	PICKLEBALL COURT LIGHTS	20	2	1704	1704	2	20	PICKLEBALL COURT LIGHTS	10
11	--	--	--	--	--	--	--	--	12
13	MULTI-USE COURT LIGHTS	20	2	2636	2636	2	20	MULTI-USE COURT LIGHTS	14
15	--	--	--	--	--	--	--	--	16
17	MULTI-USE COURT LIGHTS	20	2	2636	769	2	20	PARKING LOT LIGHTS	18
19	--	--	--	--	--	--	--	--	20
21	GRINDER PUMP	30	2	3600	--	1	20	SPARE	22
23	--	--	--	--	--	1	20	SPARE	24
25	SPARE	20	1	--	--	1	20	SPARE	26
27	SPARE	20	1	--	--	2	30	SURGE PROTECTIVE DEVICE	28
29	SPARE	20	1	--	--	--	--	--	30
TOTAL CONNECTED LOAD =				24671 VA		/ 240		= 102.8 A	



- ① PROVIDE TWO 5/8" X 10' GROUND RODS & 20' OF BARE #4 IN FOOTER FOR GROUNDING SYSTEM
- ② INSTALL SURGE PROTECTIVE DEVICE IN BREAKER POSITION NEAREST TO NEUTRAL BAR WITH 3#6, 1#10 GND IN 3/4"; LEAD LENGTH CANNOT EXCEED UL 1449 4TH EDITION TEST OF 14" - REFER TO SPECS. PROVIDE INTERNAL 60A. FUSING.

[illegible]

CITY OF DESTIN PICKLEBALL COURTS

CITY OF DESTIN

LEGEND AND NOTES

JOB: 2201
DATE: 08-202
DESIGNED: C
DRAWN: C

BAR IS ONE INCH ON ORIGINAL
0 1"
IF NOT ONE INCH ON THIS SHEET
ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
01 OF 05
SHEET NUMBER

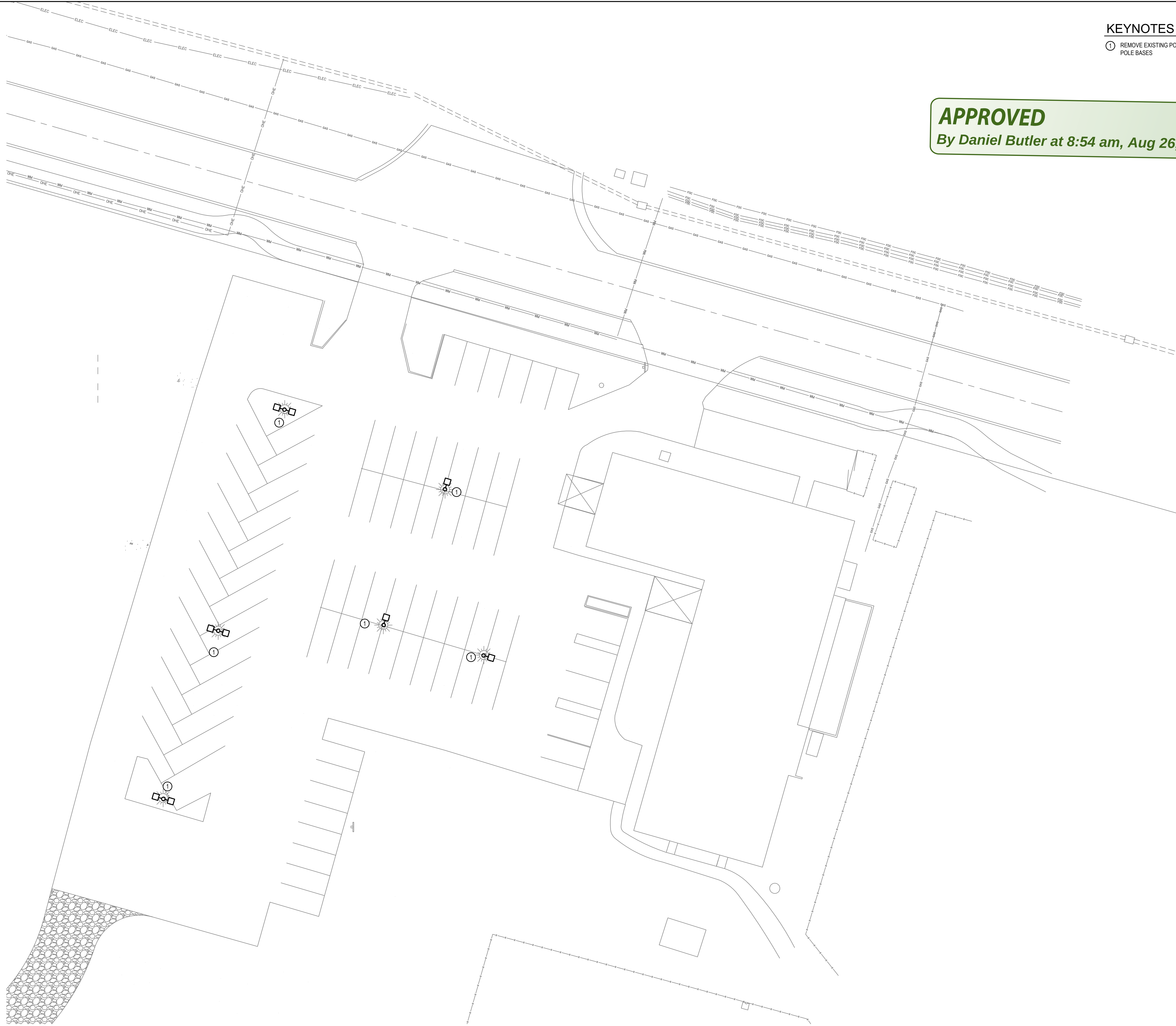
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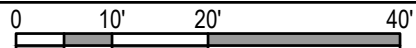
CITY OF DESTIN
CITY OF DESTIN PICKLEBALL COURTS
CITY OF DESTIN
ELECTRICAL SITE PLAN
NOT VALID UNLESS BEARING ENGINEER'S ORIGINAL SIGNATURE

E02

File: J:\Current Jobs\24049 - City of Destin Pickleball Courts Lighting & Electrical Plan\24 Drawings\Working Set\Sheets\EDR ELECTRICAL SITE PLAN.dwg, Last Saved: 8/13/2024 3:53 PM by Jhenrby



ELECTRICAL SITE DEMO
1" = 20'-0"

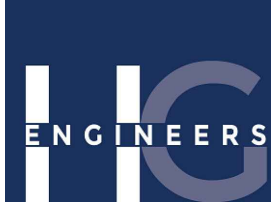


KEYNOTES

- ① REMOVE EXISTING POLE & LIGHTS FOR REUSE. DEMOLISH POLE BASES

APPROVED

By Daniel Butler at 8:54 am, Aug 26, 2024



H&C Engineers
142 Eglon Parkway SE
Fort Walton Beach, Florida, 32548
E-mail: office@hcngeers.com
Ph: 850.243.8725
FL Authorization No. 00006680
Christopher A. Garick, FL PE No. 53924
Thomas A. Alexander, FL PE No. 73172
Daniel J. White, FL PE No. 73769
Caleb W. Leonard, FL PE No. 91782

Job No. 24049

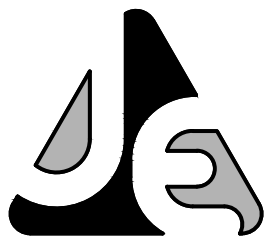
CITY OF DESTIN	
CITY OF DESTIN PICKLEBALL COURTS	
CITY OF DESTIN	
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DATE:	08-2024
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DRAWN:	CP
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DRAWING NUMBER	03 OF 05
SHEET NUMBER	E03

REV	DATE	DESCRIPTION	BY

JENKINS ENGINEERING, INC.

73 EGLIN PARKWAY NE, SUITE 203
FORT WALTON BEACH, FLORIDA 32548
PHONE 850.837.2448
FAX 850.837.2450

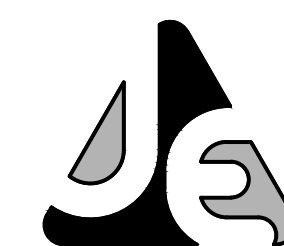
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By Daniel Butler at 8:54 am, Aug 26, 2024

- ① REUSE EXISTING POLE & LIGHTS. PROVIDE NEW POLE BASE. PROVIDE NEW PHOTOCCELL ADJACENT TO RESTROOM BUILDING FOR DUSK / DAWN CONTROL.
- ② HOMERUN VIA CONTACTOR / TIME CLOCK.



JENKINS ENGINEERING, INC.

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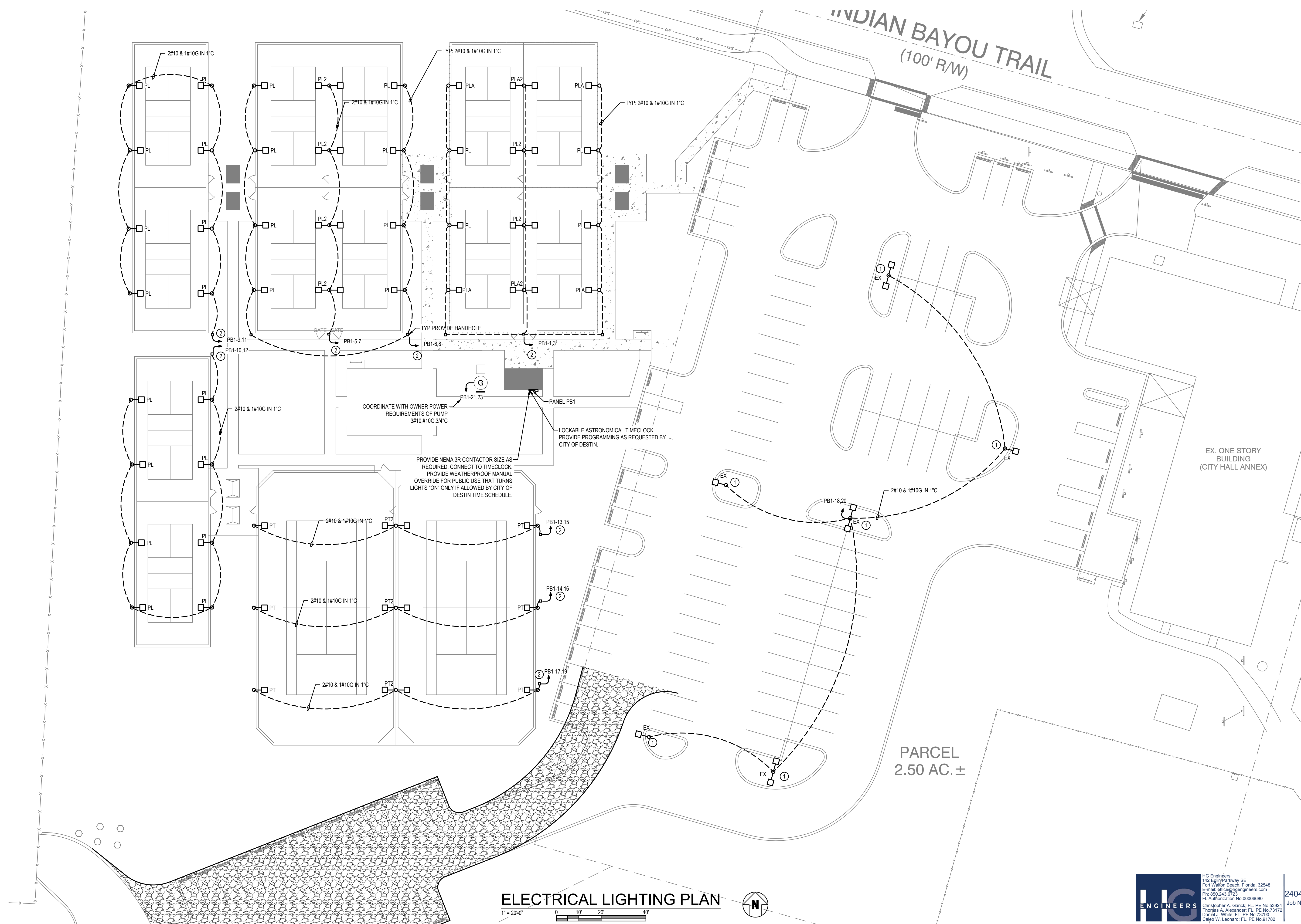
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Job No.

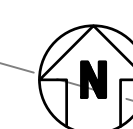


HG Engineers
142 Eglin/Parkway SE
Fort Walton Beach, Florida, 32548
E-mail: office@hgengineers.com
Ph: 850.243.6723
Fl. Authorization No.00006680

Christopher A. Garick; FL. PE No.5
Thomas A. Alexander; FL. PE No.7
Daniel J. White; FL. PE No.73790
Caleb W. Leonard; FL. PE No.9176



ELECTRICAL LIGHTING PLAN



1" = 20'-0"

0 10' 20'

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APPROVED
By Daniel Butler at 8:54 am, Aug 26, 2024

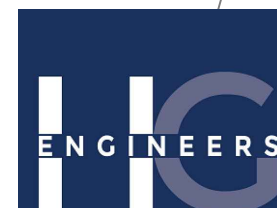
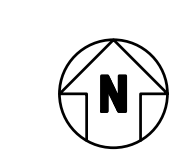
15" CPP INV: 12.56 (W)
15" CPP INV: 12.54 (E)

EX. ONE STORY
BUILDING
(CITY HALL ANNEX)

PARCEL
2150 AC

PHOTOMETRIC PLAN

1" = 20'-0"
0 10' 20' 40'



HGC ENGINEERS
142 Eglon Parkway SE
Fort Walton Beach, Florida, 32548
E-mail: office@hgcengineers.com
Ph: 850.243.8725
Christopher A. Garaski, FL PE No. 53924
Thomas A. Alexander, FL PE No. 73172
Daniel J. White, FL PE No. 73769
Caleb W. Leonard, FL PE No. 91782

24049
Job No.

JOB:	22014
DATE:	08-2024
DESIGNED:	CP
DRAWN:	CP
BAR IS ONE INCH ON ORIGINAL 1"	
IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY	
DRAWING NUMBER 05 OF 05	
SHEET NUMBER	

CITY OF DESTIN

CITY OF DESTIN PICKLEBALL COURTS
PHOTOMETRIC PLAN
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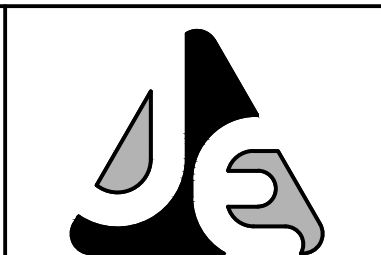
REV

DATE

DESCRIPTION

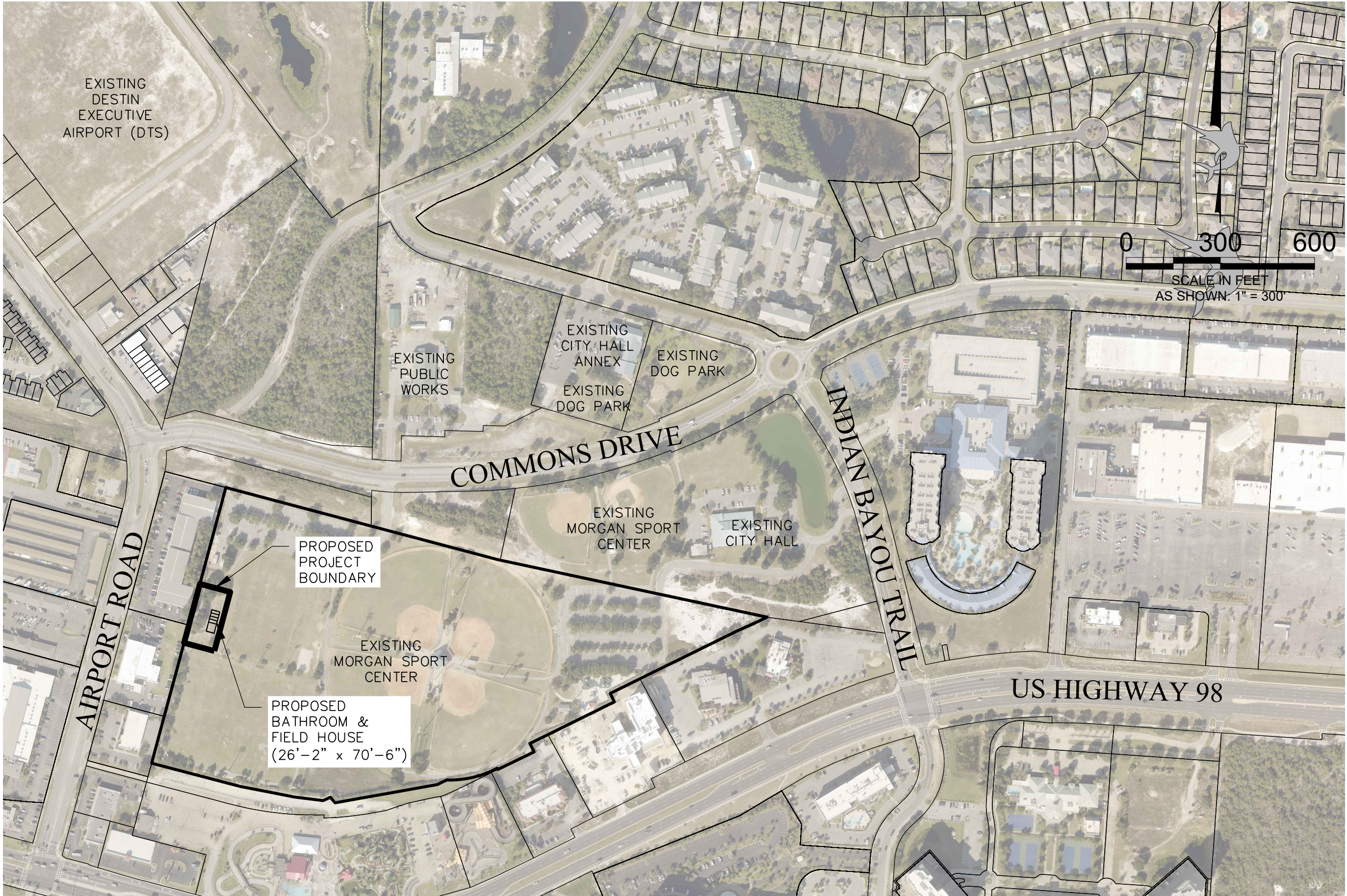
BY

JENKINS ENGINEERING, INC.
73 EGLIN PARKWAY NE, SUITE 203
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CITY OF DESTIN
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4100 INDIAN BAYOU TRAIL
DESTIN, FL 32541
PHONE: (850) 654-1119

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**MORGAN SPORT CENTER
BATHROOMS
CITY OF DESTIN, FLORIDA**

NO.	DATE	REVISIONS DESCRIPTION

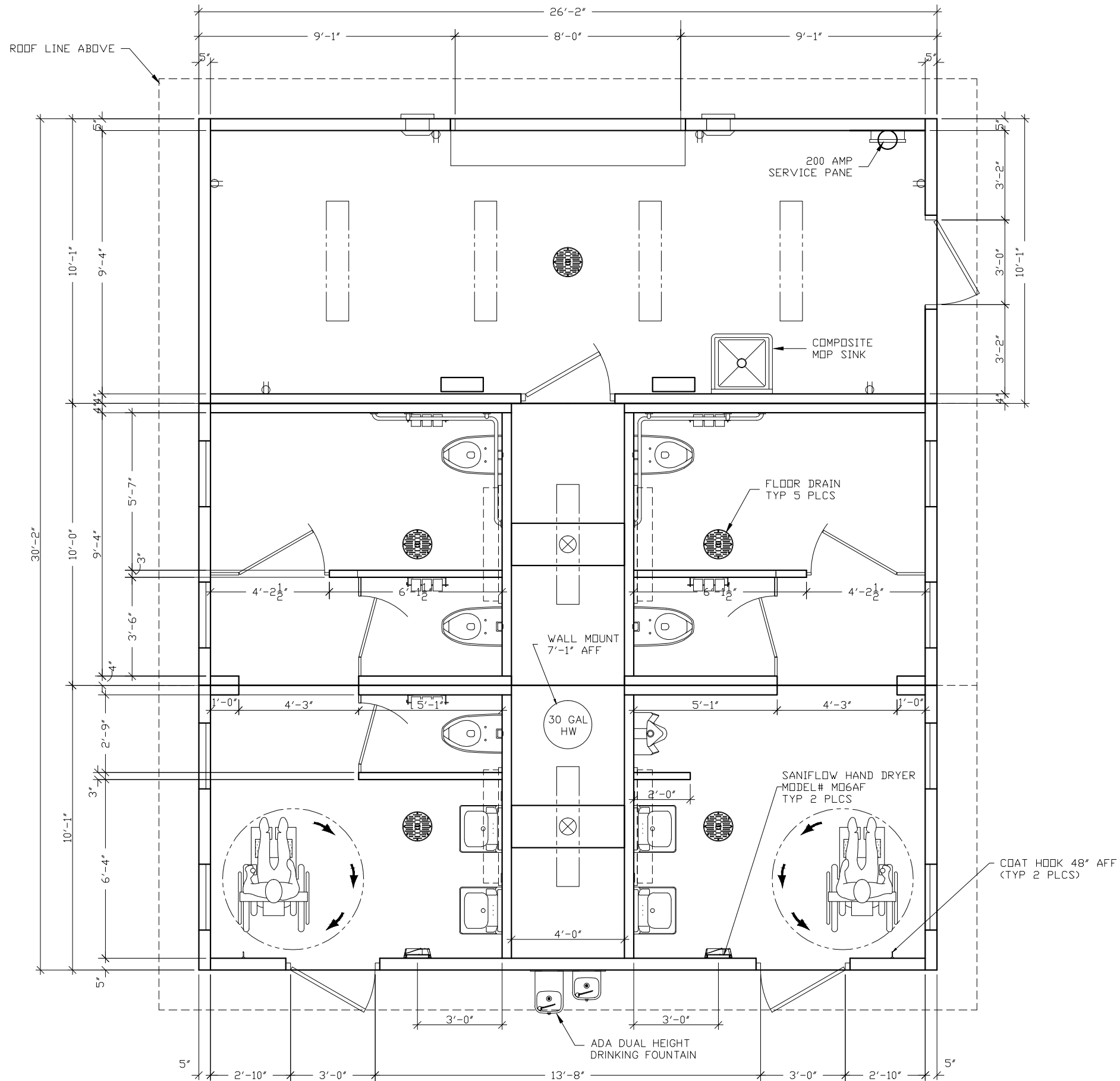
DATE: AUG. 2024
PROJECT NO: N/A
FILE NO.: N/A
SCALE: 1" = 300'

SHEET TITLE

**BOUNDARY
MAP**

SHEET NUMBER

1 OF 1



3808 N. Sullivan Bldg. #7 Spokane, WA 99216



CXT
Precast Products

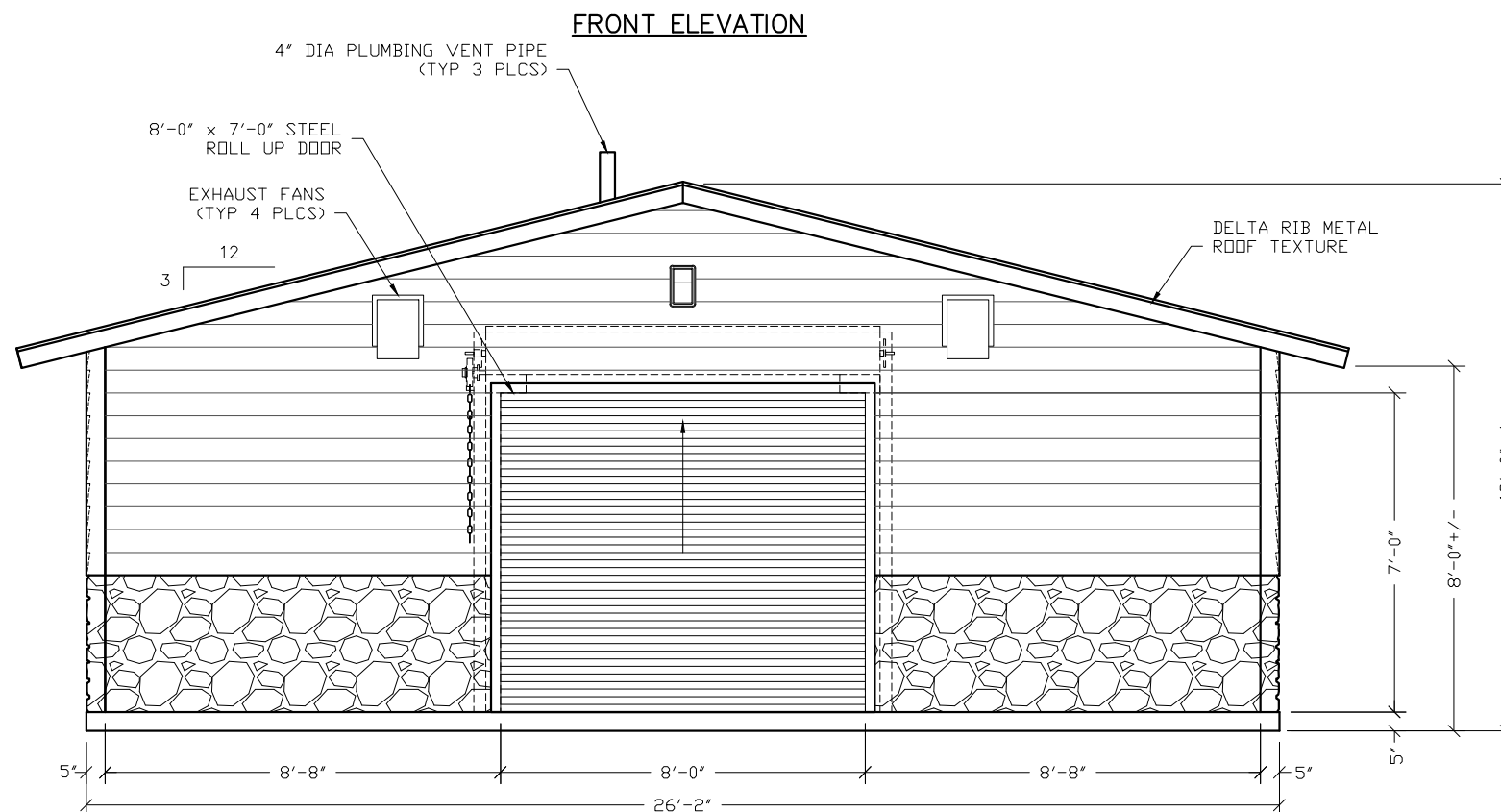
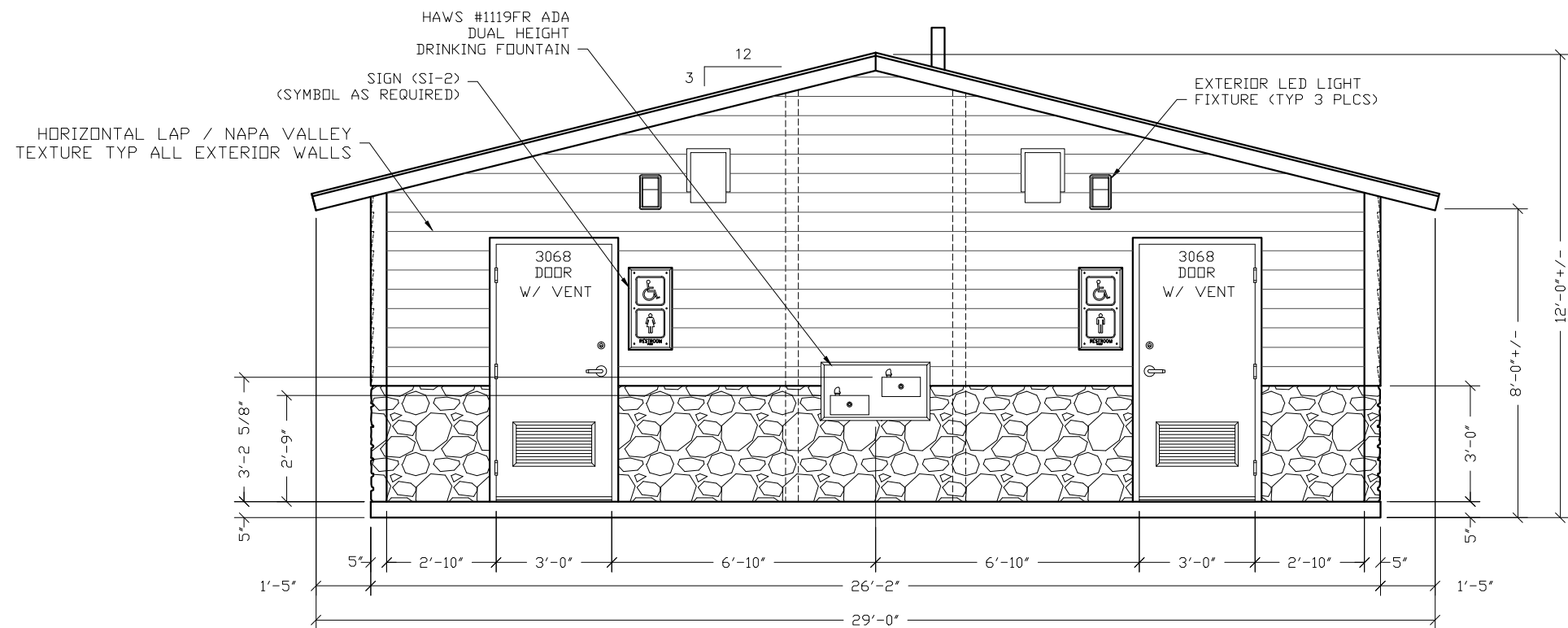
901 N. Highway 77 Hillsboro, TX 76645

PROJECT TITLE
SANTIAGO
PROPOSAL NUMBER 14-335P

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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/4"=1'-0"	DATE	10-30-14
DRAWN	ROB D WALKER	FILE NO.	14-335P
CHECKED	RDW	PLOT	48

FLOOR PLAN		
DWG NO.	SHEET	REV.
S-03	3	



3808 N. Sullivan Bldg. #7 Spokane, WA 99216



Precast Products

901 N. Highway 77 Hillsboro, TX 76645

PROJECT TITLE
SANTAGO
PROPOSAL NUMBER 14-336P

NOTICE

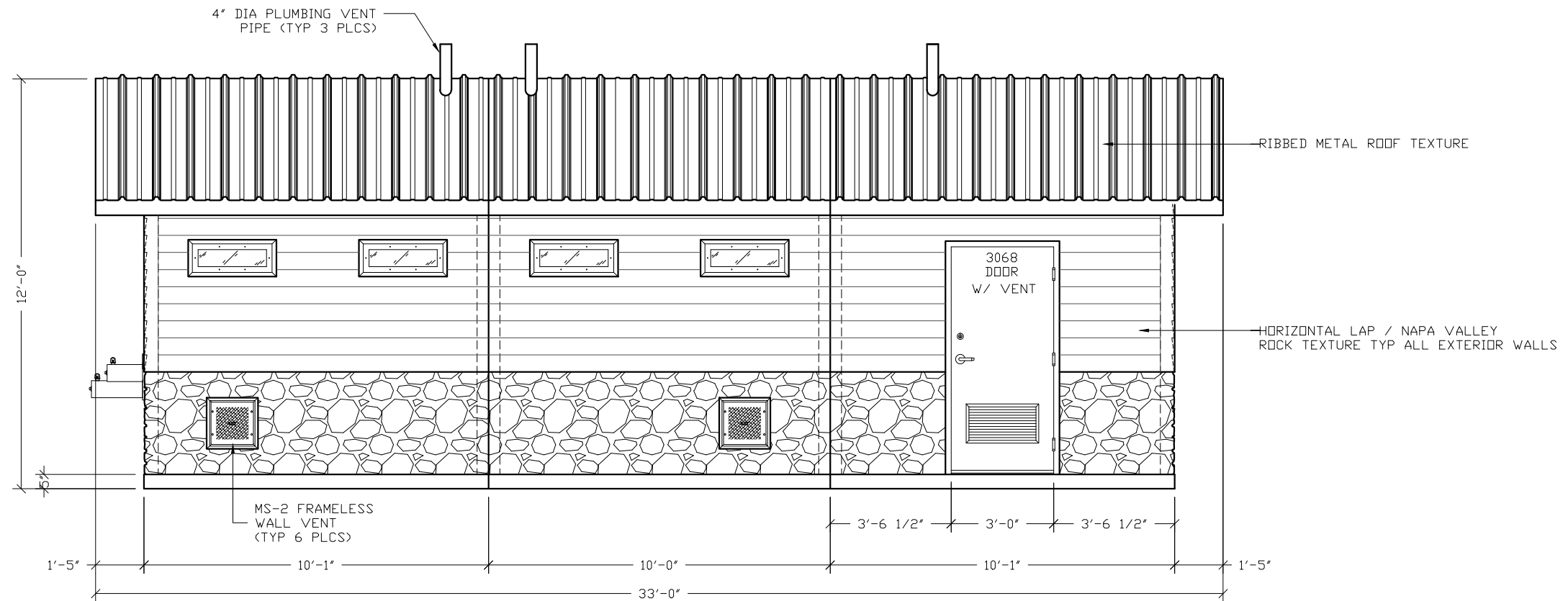
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CXT Incorporated

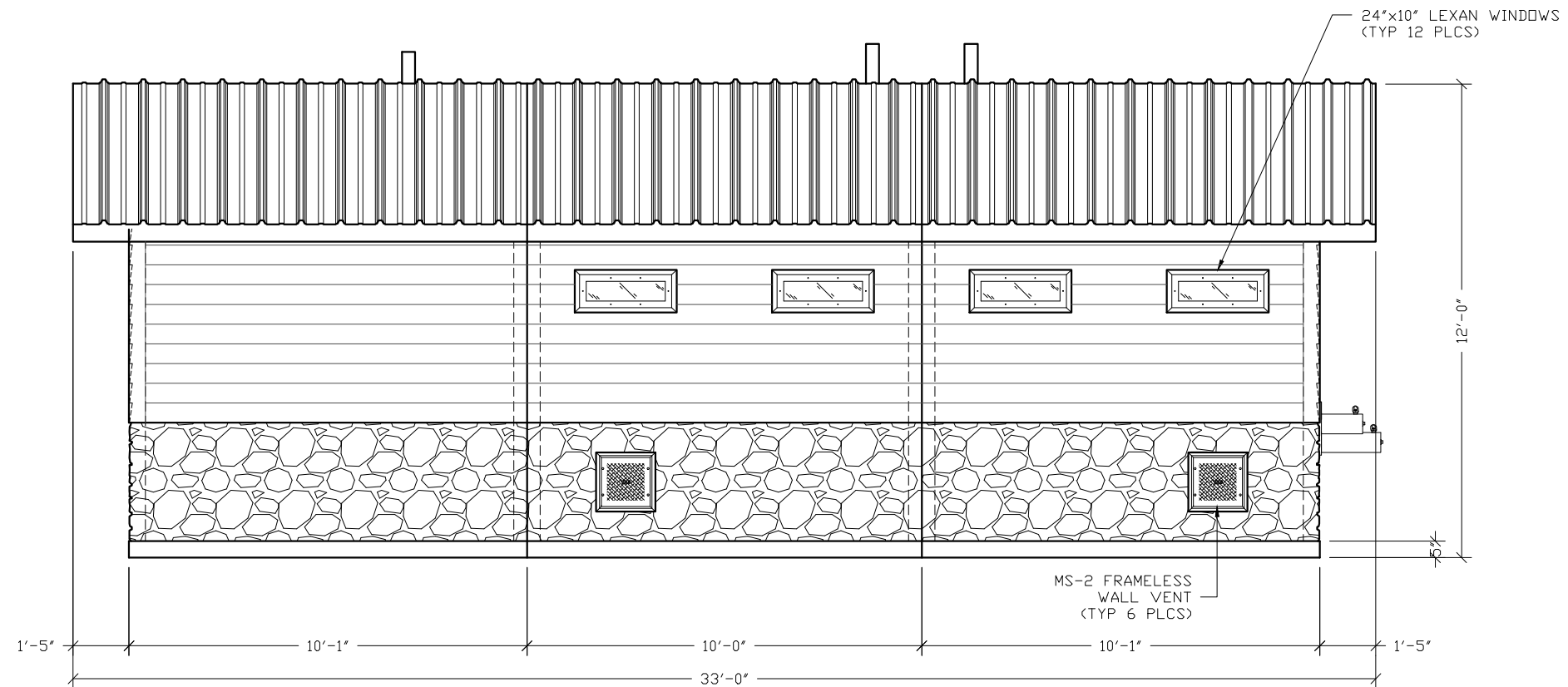
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DRAWN	ROB D WALKER	FILE NO.	14-336P
CHECKED	RDW	PLOT	48

BUILDING ELEVATIONS

DWG NO.	SHEET	REV.
S-04	4	



RH SIDE ELEVATION



LH SIDE ELEVATION

3808 N. Sullivan Bldg. #7 Spokane, WA 99216



CXT
Precast Products

901 N. Highway 77 Hillsboro, TX 76645

PROJECT TITLE
SANTIAGO
PROPOSAL NUMBER 14-337P

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SCALE	1/4"=1'-0"	DATE	10-30-14
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CHECKED	RDW	PLOT	48

BUILDING ELEVATIONS

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S-05	5	

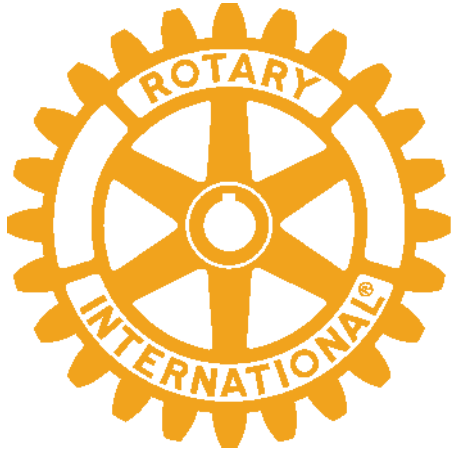


District 6940 Water Safety Programs



PROGRAMS





PUBLIC ACCESS RESCUE TUBES

RESCUE TUBE FOUNDATION



OUR MISSION

The Rescue Tube Foundation is dedicated to lowering the number of drowning deaths around the world by providing Public Access Rescue Tubes to protect rescuers in recreational waters.

WHY?

- There are an estimated **236,000 drowning deaths** per year worldwide
- Drowning is the **third leading cause** of unintentional deaths worldwide
- Drowning is the **#1 cause of death in children ages 1-4**
- In 2022, there were **464 accidental drowning deaths** in Florida
- Large expanses of beach in Florida are **not protected** by lifeguards
- Attempting a **water rescue is perilous** for both the person being rescued and the rescuer

STATS

THE FACTS BEHIND RESCUE TUBES

600+

Rescue Tube
Stations now
in place in
the U.S.
and Canada

200+

known rescues
using these
Rescue Tubes.

ALL

known rescues
have been
successful.

NO

rescuer has been
injured by using
one of these
Rescue Tubes.

NAVARRE BEACH RESCUE TUBES

- Installed in 2015 at each public walkover spanning 3.5 miles
- 15 stations on the beach, 1 at sound side kayak launch



MAPPED TO 911 SYSTEM



MAINTENANCE

- Members check on tubes every 4-6 weeks + prior to major tourist influx, after a significant storm
- Signage provides a number for citizens to call to report damaged station or missing tube
- Annual working party for larger repairs



Call 911 BEFORE Attempting a Rescue!!

You are at Beach Access **40A**

- DO NOT USE THIS DEVICE IF YOU CANNOT SWIM
- KEEP WATCH ON VICTIM AND RESCUERS IN THE WATER
- HAVE SOMEONE READY TO DIRECT EMERGENCY PERSONNEL TO VICTIM

This Rescue Tube provided and maintained by:

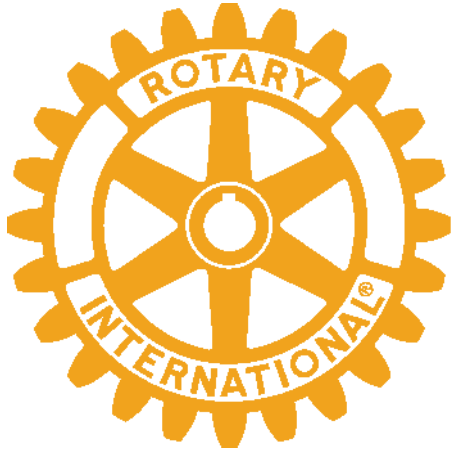


Please report damage or missing rescue tube by calling 850-396-2676

**This rescue tube is a life saving device.
It is **NOT** a toy!**

COSTS

12' 4x4	55
Sign	45
Hardware/Straps	10
Tube	80
	\$190



DISTRICT WIDE IMPACT

PENSACOLA

Body found on Gulf Coast beach is 4th drowning victim in under 24 hours

Updated: Aug. 03, 2023, 2:17 p.m. | Published: Aug. 03, 2023, 2:06 p.m.

PENSACOLA

One woman, two children ages 6 and 7 dead in apparent drownings at NAS Pensacola



Benjamin Johnson

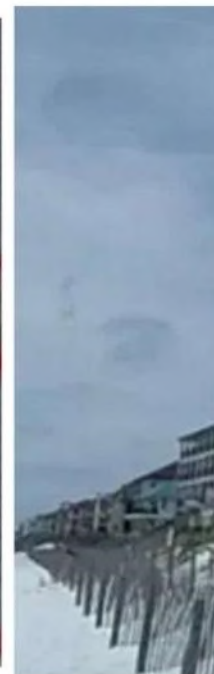
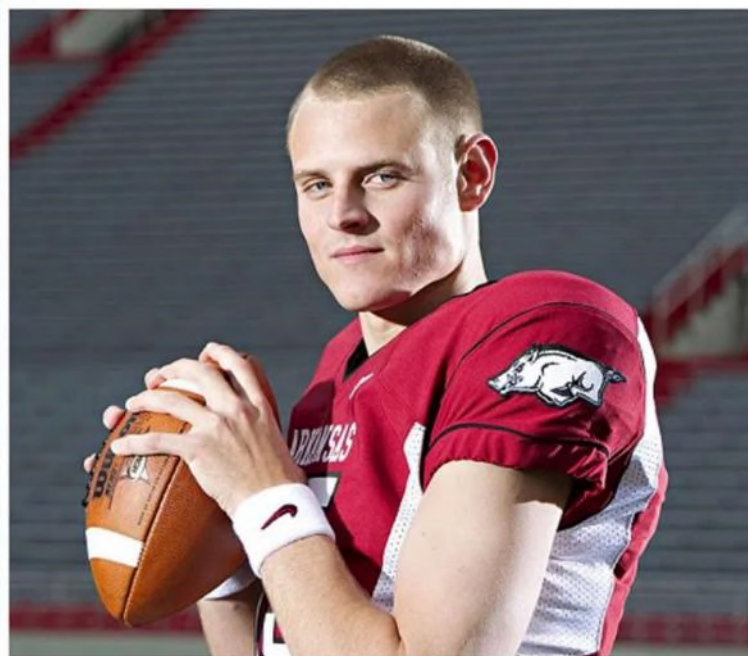
Pensacola News Journal

Published 12:56 p.m. CT Aug. 3, 2023 | Updated 11:31 a.m. CT Aug. 4, 2023

DESTIN

Ryan Mallett death brings attention to Northwest Florida beach safety challenges

by Laura Hussey | Wed, June 28th 2023, 12:35 PM CDT



BAY COUNTY, FL

Woman drowns off Panama City Beach as deadly rip currents return, sheriff says

Updated: Jul. 24, 2023, 9:38 p.m. | Published: Jul. 24, 2023, 4:35 p.m.

Panama City Beach leads the nation in 2023 beach deaths as 3 more tourists die Saturday

[Nathan Cobb](#) and [Dinah Voyles Pulver](#) USA TODAY NETWORK

Published 1:48 p.m. ET June 26, 2023 | Updated 11:18 a.m. ET June 29, 2023

Georgia tourist drowns in rip current off Bay County beach, making nine this year

[Nathan Cobb](#) Panama City News Herald

Published 2:10 p.m. ET July 25, 2023

BAY COUNTY, FL

The
Weather
Channel

“I’m beyond frustrated at the situation that we have with tragic and unnecessary deaths in the Gulf. I have watched deputies, firefighters and lifeguards risk their lives to save strangers. I have seen strangers die trying to save their children and loved ones, including two fathers on Father’s Day.”

■ Tommy Ford, Bay County Sheriff

DISTRICT WIDE EXPANSION

- Navarre – 16 tubes
- Perdido Key – 4 tubes
- Pensacola Beach – 5 tubes
- Panama City Beach – Approved, pending implementation
- Walton County – Under consideration
- Destin – Under consideration

Destin Fire Control District

848 Airport Road – Destin, Florida 32541
Telephone (850) 837-8413 Fax (850) 837-6715



Chief Kevin Sasser

July 03, 2024

Dion J. Moniz, Area 5 Governor Rotary District 6940

Re: PRT Project

Dear Mr. Zebrowski:

The intent of this letter is to confirm the Destin Fire Control Districts support of the Personal Rescue Tube initiative set forth by the Rotary Club. While we never encourage the public to enter the Gulf of Mexico during red or Double red flag conditions, we do see the potential safety benefit of having rescue tubes on the beach. We understand first-hand how “would be” rescuers are often the victims, but this project will offer those who feel compelled to rescue someone flotation, a key component needed when a water emergency occurs.

Sincerely,

Joseph H. D’Agostino

Beach Safety Division Chief



A Heart Ready
Community



An Advanced Life
Support Service

LIABILITY

- Hawaii Department of Health Study
- 25 years of data, before and after the installation of PRTs
- Rescuer deaths decreased from 60% to 13% over the study period
- No reduction in rescuer deaths in areas without PRTs
- NO rescuer deaths in areas with PRTs

“Despite valid concerns, we found no fatal rescuer drownings related to PRT use after their 2008 introduction in the county of Kauai. Instead, we observed a reduction in the number of rescuer drownings, and in their proportion of total drownings in association with the deployment of PRTs.”

Rotary District 6940
Newsletter

District News



Public rescue tubes and liability

By **KIM SULGER**
District 6940 Water Safety Programs Advocate
Public Rescue Tubes and Liability

at very low cost. The good news is we have ample time to put these life saving devices in place across our district for the next tourist season! Wouldn't it be

IN SUMMARY

- Worldwide, drowning is the third leading cause of accidental death
- Many drownings are preventable if the right tools are available to perform rescue
- Rescue tubes are a cost-effective way to provide increased safety in otherwise unprotected waters
- Rescue tubes protect both the rescuer and the person in distress
- Each rescue tube station costs less than \$200 to build and install
- Ongoing maintenance is minimal
- One life saved is priceless



THANK YOU!