

**REGULAR MEETING
DESTIN CITY COUNCIL
APRIL 4, 2022
ANNEX COUNCIL CHAMBERS
6:00 PM**

*****Core Value of the Month - Transparency*****

CALL TO ORDER

*** INVOCATION (Pastor Logan Landes, Grace Lutheran Church)**

PLEDGE OF ALLEGIANCE

AGENDA APPROVAL *(Matters not specifically listed on the agenda may be added and acted upon with a super-majority vote of the Council members present and eligible to vote on the matter)*

1. PROCLAMATIONS / RECOGNITIONS / SPECIAL / **PUBLIC PRESENTATIONS / ANNOUNCEMENTS

A. U.S. Coast Guard Presentation - Lt Steve Browning, US Coast Guard

B. Parks & Recreation Annual Report & Work Plan Presentation

2. PUBLIC COMMENTS (Section 5 - Public Hearings has separate public comments time for these items) (Note: Individual speakers will be limited to 3 minutes. At the discretion of the mayor, this 3 minute allowance may be adjusted depending on the level of business coming before the City Council)

3. * CONSENT AGENDA**

A. Public parking support for Destin's 65th Annual Blessing of the Fleet and Community Fish Fry on Thursday, May 26, 2022

B. Approval of minutes of March 7, 2022 Regular City Council Meeting

4. CITY MANAGER REPORTS

A. Parks and Recreation Software and Customer Portal

B. Tyler Technologies SaaS (Cloud) Migration

C. Announcements

5. PUBLIC HEARINGS

A. THIS ITEM HAS BEEN CONTINUED TO THE FOLLOWING TIME AND DATE CERTAIN, AT THE REQUEST OF THE APPLICANT: MONDAY, MAY 16TH AT 6PM, OR AS SOON THEREAFTER AS MAY REASONABLY BE HEARD.

Indian Bayou West 1st Amendment – Curtis Gwin of Indian Bayou West, LLC, on behalf of Indian Bayou Properties, is requesting approval for a Major Deviation to a Major Development Order. The project is located at 1 Country Club Dr. E. (Parcel ID: 00-2S-22-0000-0046-0000), with the property totaling approximately 69.16 acres. The applicant is proposing an addition of 9 lots to the previously approved 86 single-family, long-term residential lots (approved under DO 21-12), for a total of 95 lots, utilizing the same project area. This project was previously

reviewed by the City Council on January 3, 2022, but the request has been modified since that time. The proposed deviation is an amendment to the previous submittal.

- B. Second reading of Ordinance 22-05-CC - Amending the Code of Ordinances to establish a Flag Warning System at City of Destin beaches.

6. COMMENTS / PRESENTATIONS FROM MAYOR, COUNCIL, LAND USE ATTORNEY AND CITY ATTORNEY

- A. Councilmember Braden
- B. Councilmember Wagner
- C. Councilmember Destin
- D. Councilmember Bagby
- E. Councilmember Hebert
 - 1. TDC Update
- F. Councilmember King
- G. Councilmember Schmidt
- H. Mayor Gary Jarvis
- I. Land Use Attorney
- J. City Attorney

7. PUBLIC COMMENTS (Comments from the public on any matters considered at the meeting, or on any matters not on the agenda)

8. ADJOURN

* Any invocation that is offered before the official start of the City Council meeting shall be the voluntary offering of a private person, to and for the benefit of the City Council. The views or beliefs expressed by the invocation speaker have not been previously reviewed or approved by the City Council, or the City staff, and the City is not allowed by law to endorse the religious beliefs or views of this, or any other speaker. Persons in attendance at the City Council meeting are invited to stand during the opening invocation and Pledge of Allegiance. However, such invitation shall not be construed as a demand, order, or any other type of command. No person in attendance at the meeting shall be required to participate in any opening invocation that is offered. A person may exit the City Council Chambers and return upon completion of the opening invocation if a person does not wish to participate in or witness the opening invocation.

** To be placed on the agenda under public presentations, citizens must contact the City Manager or City Clerk's office one (1) week prior to the scheduled City Council Meeting, completing a Speakers Request Form and providing any accompanying documentation as requested in the form's instructions.

*** All items listed under Consent Agenda are considered to be routine by the City Council and will be enacted by one motion. There will be no separate discussion of these items. If discussion is desired, that item will be removed from the Consent Agenda and may be considered separately.

If a person decides to appeal any decision made by the Council with respect to any matter considered at this meeting, he/she may need a record of the proceedings, and for such purpose, he/she may need to ensure that verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. FS 286.0105.

Persons with disabilities who require assistance to participate in City meetings are requested to notify the City Clerk's Office at (850) 837-4242 in advance. Hearing Impaired: TTY: 711. Assistance also available through Human Resources, Title VI Coordinator, at (850) 837-4242. Personas con discapacidades que necesitan asistencia o personas que necesiten ayuda con un idioma para participar en las reuniones de la ciudad, deberán notificar la oficina de la Secretaria Municipal al (850) 837-4242 antes de la reunión. Discapacidad auditiva: TTY: 711 (Solicitar Espanol CA). La ayuda tambien está disponible por Recursos Humanos, Coordinador del Título VI, al (850) 837-4242.

All regularly scheduled city council meetings will be streamed live via the city's YouTube channel, www.youtube.com/CityofDestin. Past council meetings can also be viewed here. Please visit our agenda center on the city website at www.cityofdestin.com/agendas.

CITY OF DESTIN



AGENDA ITEM

COUNCIL MEETING DATE: April 4, 2022

TYPE OF AGENDA ITEM: Presentation

AGENDA OUTLINE NUMBER: 1.A.

TO: City Council

THRU: Lance Johnson, City Manager

FROM: Joey Forgione, Code Compliance Director

DATE: 03/21/2022

SUBJECT: U.S. Coast Guard Presentation - Lt Steve Browning, US Coast Guard

I. BACKGROUND: Illegal Charters

II. DISCUSSION: Discuss Illegal Chartering

A. Link to Strategic Goals / Objectives:

B. Effect on Budget (EOB): No Effect

C. Level of Service (LOS):

III. CONCLUSION:

IV. RECOMMENDED MOTION: None. Informational only.

Attachments:

1. SpeakersForm - LT Steve Browning
2. Charter and Passenger Vessel training
3. Illegal Charter Flyer

SPEAKER'S FORM
City of Destin Council Meeting

In an effort to better serve the community, the City Council requests that items or requests to be presented before Council be provided to the City Clerk by noon Tuesday of the week prior to the meeting. **Any related materials that you wish to distribute to Council in support of your item, including any Power Point presentation, must be submitted at that time as well.** This will give Council adequate time to review your request and make any necessary inquiries. In addition, the staff may need to contact you in response to your topic of concern or in response to action directed by the Council.

As you complete the form below, please note that **certain fields marked by * are required.** Late or incomplete forms, particularly where required information is omitted, will be deferred by Council to a future meeting pending receipt of all information.

Please limit your presentation to five minutes. All comments should be directed to the Mayor.

The City of Destin appreciates your cooperation and adherence to these guidelines.

******* PLEASE PRINT *******

DATE OF REQUEST: 11 Mar 2022 ***COUNCIL MEETING DATE:** 21 Mar 2022

***NAME:** LT Steve Browning, U.S. Coast Guard ***PHONE #:** 850-814-8851

ADDRESS: 1700 Thomas Drive, Panama City Beach **EMAIL:** steve.j.browning@uscg.mil

***TOPIC/ISSUE** Commercial Vessel Compliance, Uninspected Passenger Vessels, Inspected Passenger Vessels, Bareboat Charters and Illegal Charter Vessels.

***HAVE YOU SPOKEN WITH CITY STAFF ABOUT THIS ISSUE? If so, who and when?**
Mr. Kris Mercurio, Code Enforcement

***DESIRED ACTION BY COUNCIL?** _____

PRESENTATION MATERIALS ATTACHED?: YES X NO **# OF PAGES**

Passenger Vessel Operations

Sector Mobile
Investigations Division

Outline

- Passengers
- Vessel Types
- Credentialing
- References

Types of Passenger Vessels

- Recreational
 - Bareboat Charters
- Commercial
 - Uninspected Passenger (6 pax or less unless over 100 gross tons then 12 pax)
 - Inspected Passenger
 - Small Passenger Vessels (<100 gross tons)
 - Large Passenger Vessels (>100 gross tons)

Passenger

- 46 USC 2101(21)(A)
 - Individual Carried on a Vessel ... Except:
 - Master
 - Crew
 - Paid for services onboard vessel
 - Must not have contributed “consideration” for carriage

Passenger for Hire

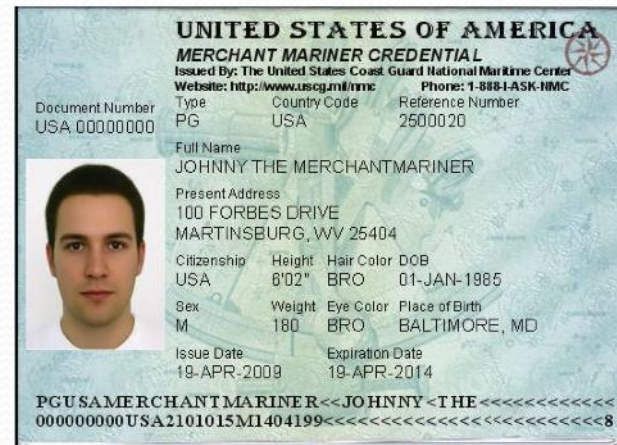
- 46 USC 2101(21a)
 - *“Passenger for Hire means a passenger for whom consideration is contributed as a condition of carriage on the vessel, whether directly or indirectly flowing to the owner, charterer, operator, agent, or any other person having an interest in the vessel”*
- Consideration:
 - Payment to individual, person or entity
 - Economic benefit including **anticipated future gain**

Important!

- All it takes is 1 Passenger for Hire to change the service of the vessel!
- This prevents circumvention of the inspection laws by having only 1 person in a group pay.

Merchant Mariner Credential (MMC)

- Must be the appropriate MMC



- Mariner's acting under the authority of their MMC must be enrolled in a drug testing program.

Recreational Vessel

- 46 USC 2101(25)
 - Manufactured or operated primarily for pleasure
 - Leased, rented or chartered to another for the latter's pleasure
 - Does not carry any passengers for hire
 - Bareboat chartered with less than 12 passengers (not including crew) – **D8 Legal Direction**

Uninspected Passenger Vessel

- 46 USC 2101(42)
 - Less Than 100 Gross Tons
 - 6 Passengers or less, with at least 1 Passenger for Hire
 - 100 Gross Tons or More
 - 12 Passengers or less, with at least 1 Passenger for Hire
 - Licensed operator
 - Operator of Uninspected Passenger Vessel (OUPV)
 - Not Inspected by Coast Guard

Bareboat Charters

- Contract between the Owner and the Charterer
- Clarified by 1993 Passenger Vessel Safety Act NVIC7-94
- There are stringent requirements to have valid charter

Bareboat Charter Roles

- Owner:
 - Relinquishes command, control and possession of the vessel
 - Responsible for establishing a valid charter
 - Cannot serve as crew on own vessel
- Charterer:
 - Takes temporary ownership of vessel
 - Provides compensation/consideration to Owner
 - Responsible for safe/legal vessel operations
- Master:
 - Responsible for safe/legal vessel operations
 - Cannot be the Owner
 - Not required to be Licensed

Bareboat Criteria

- **Owner** must relinquish command, control and possession of the vessel to the **Charterer**.
- **Charterer** is responsible for the safe operation of the vessel, its crew, passengers, and all persons aboard during the charter.
- **Charterer** is responsible for ensuring that the vessel complies with all regulations which are applicable to the vessel's service.
- **Operator** may also be held accountable for the safe operation of the vessel as well as all equipment requirements and inspections.

Bareboat Criteria

(from D8 Legal)

- Vessel is chartered, leased, rented to an individual through a written agreement
- The owner does not provide the crew; the charterer selects and pays the crew
- A licensed Master is not required to operate the vessel
- The owner can recommend a list of Masters for the charterer to hire, but cannot stipulate that the owner make a selection solely from the list provided
- The owner can require the charterer to hire a crew with a preset level of qualifications (e.g. Coast Guard issued Merchant Mariner's Credentials)

Bareboat Criteria

(from D8 Legal)

- The vessel carries 12 or fewer passengers (not including the master and crewmember*)
- All food, fuel, and stores are provided by the charterer
- Insurance is obtained by the charterer, at least to the extent of covering liability not included in the owner's insurance
- The charterer may discharge for cause, the Master or any crew member

Bareboat Criteria

(from D8 Legal)

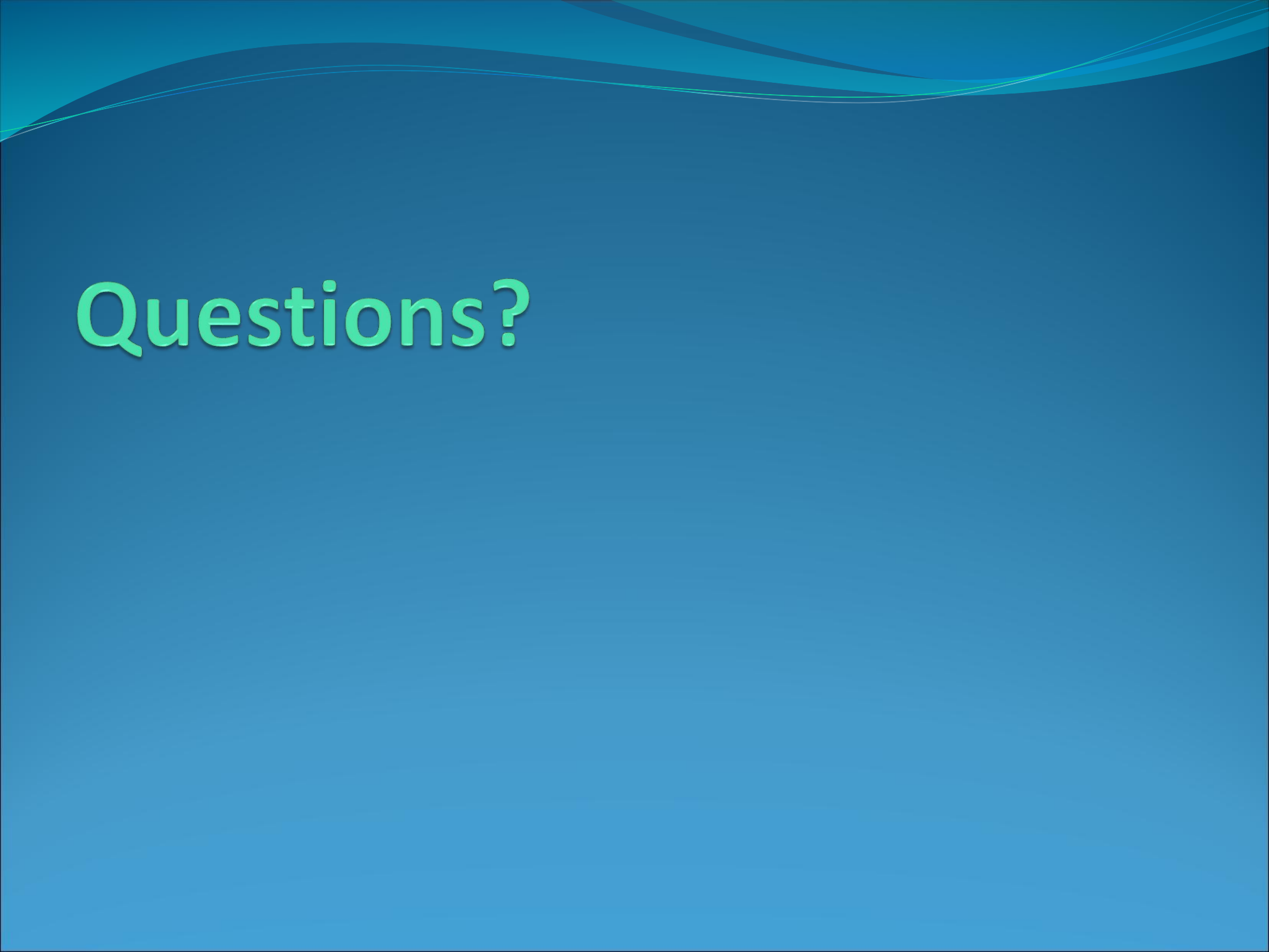
- The vessel must be surveyed upon its delivery and return
- Any provision that tends to show retention of control of the vessel such as the owner being aboard during the charter contradicts the claim that a valid bareboat charter exists

Credentialing

- Recreational:
 - No license required
- Uninspected Passenger Vessels:
 - Operator of Uninspected Passenger Vessels (OUPV)
- Inspected Passenger Vessels:
 - Master license with appropriate tonnage & route
- Bareboat Chartered Vessels:
 - ≤ 12 pax: No license required
 - >12 pax: Master license with appropriate tonnage & route and requires a COI (Remember D8 Legal Determination)

References

- 46 U.S. Code (USC) 2101
- 46 USC 3301
- 46 Federal Code of Regulations (CFR) 175.400
- 46 CFR 24.10-1
- 46 CFR 90.05-1



Questions?



U.S. COAST GUARD NOTICE

Going for a Ride?

Paying Passenger?

By Law & For Your Safety

Captain Must be USCG Licensed



Ask to see operator's U.S. Coast Guard Issued Merchant Mariner Credential
and documentation proving enrollment in a Drug and Alcohol Program
before you or your family gets underway

Look for the USCG Vessel Inspection Decal

More than 6 Passengers?

6 or less Passengers



UPV safety exam and
decal program is
voluntary but highly
recommended

Fines: Up to \$41,456 per day or more for illegal operations:
46 U.S.C. 8906 / 46 U.S.C. 3318(j)(1) / 33 U.S.C. 1232(a)

Call Coast Guard Sector Mobile Command Center at (251) 441-5976
With question or to report illegal activity

CITY OF DESTIN



AGENDA ITEM

COUNCIL MEETING DATE: April 4, 2022

TYPE OF AGENDA ITEM: Presentation

AGENDA OUTLINE NUMBER: 1.B.

TO: City Council

THRU: Lance Johnson, City Manager

FROM: Lisa Firth, Parks & Rec Director

DATE: 03/29/2021

SUBJECT: Parks & Recreation Annual Report & Work Plan Presentation

I. BACKGROUND: The Parks & Recreation Committee is submitting their FY-2022 Annual Report & Work Plans for the Mayor and Council's consideration.

II. DISCUSSION:

A. Link to Strategic Goals / Objectives: Quality of Life & Safety for Families/Preservation of Heritage & Environment.

B. Effect on Budget (EOB): None

C. Level of Service (LOS): The Committee's activities during the previous year and those planned for the current year are intended to increase the LOS provided to the community.

III. CONCLUSION: The Committee would like to thank the Mayor and City Council for their continued support of the city's parks and recreational programs.

IV. RECOMMENDED MOTION: I move that City Council approve the Parks and Recreation Committee's FY-2022 Annual Report and Workplans.

Attachments:

1. P & R Annual Report Workplan

Parks and Recreation Committee
Annual Report and 2022 Work Plan
January 25, 2022

The Committee is comprised of 7 members, each serving four- year terms consecutive with that of the Councilor making the nomination. A new Committee chair is elected by the committee members every even-numbered year in May.

Current Members: Sandy Trammell, Chair

Matthew Sweetser, Vice-Chair

Daniella Piper

Nikki Johnson

Brian Liesveld

Barbara Telford

Leslie Schmidt

We meet on the 4th Tuesday of each month at 4:00pm in the City Annex. A common practice for the Parks and Rec committee is to not meet in November and December as those dates often fall on holidays and being late in the month, there is little time to reschedule.

Our Staff Liaison is Lisa Firth, Parks and Recreation. Director

Ryan Reed, Deputy Director, Parks and Recreation

along with Code Enforcement and Public Services (ROW's)

Mission Statement: The Parks and Recreation Committee's purpose is to review parks/recreational facilities level of service. The Committee's Objectives shall be based upon implementation of the City's Comprehensive Plan and Land Development Codes *while forwarding the vision set by the City Council.*

Committee Objectives: Currently, the parks and Recreation Committee's objectives are based on Chapter 5; Conservation Element, Objectives 5-1.6, 5-1.7, 5-1.8, 5-1.12, 5-1.13, 5-1.14 and Chapter 7 Objectives 7-1.1—7-1.6.7 of the Comprehensive Plan as well as, Article 12.04.00-12.04.11 Landscape development of the Land Development Code.

The Parks and Recreation Committee met 9 times in 2021. We cancelled our August 2021 meeting due to Covid and traditionally don't meet during November and December.

The following motions were discussed and made during those respective meetings.

January 26, 2021

Elections of Chair & Vice Chair respectively: Sandy Trammell & Matthew Sweetser
Several Options were discussed regarding projects for the Committee to look at adopting in the coming year(s). To include, Parks and Trails Inspections, Adopt a Park, Adopt a Beach Trail, Adopt a Tree and Adopt a Bench.
Updates were forwarded by Recreation Director, Mrs. Firth

February 23, 2021

We heard from Girl Scout Leader, Elise Ready and her troops involvement in Rock Gardens throughout the City

City Engineer Don Smith presented ideas for development of the ROWs with beach access.

Inspection of Beach Trails and Accesses:

Norriego Point & O'Steen	Nikki Johnson
Calhoun Trail, June White Decker, Silver Shells	Matthew Sweetser
Shirah Beach Trail	Daniella Piper
Shores @ Crystal Beach, Crystal Beach Trail	Leslie Schmidt
Tarpon Street Trail	Brian Liesveld
Pompano Street Trail, Harbor Lane Beach Access	Sandy Trammell
Barracuda Street Trail	Barbara Telford

Mr Baughman, City Attorney Reviewed the Sunshine Law and Public Records Policy

March 23, 2021

A Presentation was given by Ms. Wen Livingston, Library Specialist regarding the investigation of Historical Markers throughout the City. Many of which will be within our City Parks. She will update us if/when monies are available.

Park Inspection Assignments:

Joe's Bayou Boat Launch & Mattie Kelly Nature Walk	Nikki Johnson
Main Street PARK & Buck Destin Park	Daniella Piper
Clement Taylor Park & Leonard Destin Park	Matthew Sweetser
Capt. Royal Melvin Heritage Park & any New Parks	Sandy Trammell
N. Weidenhamer Dog Park, Community Center & Children's Park	
At Morgan's Sports Center	Barbara Telford
Kell-Aire Park & Destin Sports Complex at DES	Leslie Schmidt

April 27, 2021

Arbor Day Celebration was discussed and changed to Thursday, 10am at Dog Park.

Discussion was held and **motion** made to remove the old pilings or add a new platform at the foot of the stairs at Harbor Lane Beach Access as well as add a hard surface allowing strollers or wheelchairs to the top of the stairs & picnic table. There is approx. \$13,000 remaining in the \$25, 000 allocated for improvements to that beach access.

Updates were provided by Staff on, Boardwalk repairs, Heritage Park construction, Leonard Destin Ribbon Cutting and Norriego Point.

May 25, 2021

Presentation by Trees on the Coast, Exec. Director Bobby Wagner.

Updates were provided by Ms. Firth, Director Parks and Rec. on Royal Melvin Park, Leonard Destin Park, Clement Taylor Park, Norriego Point, Joes Bayou and the Dog Park.

Memorial Day Recognition is Monday May 31 at Destin Memorial Cemetery.

Matthew Sweetser was a tremendous help during the League of Cities Dinner in Destin.

June 22, 2021

Discussion was held regarding the Work Plans with new ideas coming from the committee to be included.

A **motion** was made to NOT install a streetlight within the Harbor Lane Beach Access which passed unanimously.

Updates from the Recreation Director on commercial businesses working within the City's Parks, Norriego Point and "Hot Asphalt" signs to be placed in some park locations

July 27, 2021

We reviewed Park and Trail Inspections.

Engineering, Community Development and Mr. Dennis Chavez, Architect for Crystal Sands Condominium spoke of a proposal by the HOA to eliminate the dedicated City Easement between Condominium buildings.

Motion was made to disapprove the request as it conflicts with the Comprehensive Plan and was part of the original Development order. The Parks & Rec. Committee also recommended that if this was to be discussed further there should be a public workshop.

August 2021

No meeting was held due to Covid.

September 28, 2021

Discussion was held regarding the Pompano Street Easement/Beach Access at Crystal Sands Condominium and the 2nd proposal to remove the beach access at Crystal Sands Condominium and did not meet consistency with the Comp. Plan. A **motion** was made and passed unanimously to disapprove the request.

Discussion was held regarding Park Inspections and Work Plans. Staff updated us regarding Royal Melvin Park, Dog Park, Clement Taylor Park and Norriego Point.

October 26, 2021

Discussion and motion to accept the final work plans. Motion passed unanimously.

Mr. O'Connor, Community Development Dept explained the Future Land Use Map and naming the 9 different areas within the City and the land development requirements which will address each entity.

Mr. Butler, Community Development Dept. addressed the Wayfinding Master Plan and how it could delineate each area through signage.

There is consensus among the Committee that we don't want wayfinding signage directing tourists to "the Village" parks as they would be entering residential neighborhoods and ask that this be presented to Council by staff when presenting the Wayfinding Information.

Updates on Clement Taylor Park were provided by Mrs. Firth.

January 25, 2022

Cancelled due to lack of a quorum



City of Destin

Parks & Recreation Committee FY 2022 Work Plan

Strategic Priority:

High Quality of Life and Safety for Families

Strategic Goal:

Maintain High Level of Safety and Security for our Residents, Businesses & Visitors.

Organizational Objective:

Public Safety: Maintain Safe Parks for our Residents, Businesses & Visitors

Performance Objective:

Complete Inspection 2 times yearly of all Parks and Trails within Destin

Measurable Outcome(s):

Outcomes	Fiscal Year		
	2021	2022	2023
Completed Inspection reports given to Parks Director	Mar.& Nov	Mar & Nov	Mar. & Nov
Document Level 1 Safety Deficiencies corrected within allotted time		Mar 2022	Mar 2023

Action Plan:

Task	Resource Needs (persons/organization)	Target Completion Date
Inspect Parks & Trails	Assigned Committee Member	November 2021 & March 2022
Report Findings to Parks & Rec. Director	Assigned Committee Member	November 2021 & March 2022
Committee Inspector monitor corrective action	Assigned Committee Member	May 2022

Process Improvement:

PDCA

Stakeholders:

Internal	External
Parks and Recreation Committee Council, City Manager & Parks & Rec Staff Risk Management/ Insurance	Residents Visitors Businesses

Process Owner **Sandy Trammell**



City of Destin

Parks & Recreation Committee FY 2022 Work Plan

Strategic Priority:

High Quality of Life and Safety for Families

Strategic Goal:

Enhance and Preserve Heritage and Environment

Organizational Objective:

Implement "green" sustainable concepts supporting environment & quality of life

Performance Objective:

Maintain Tree City U.S.A. Status

Measurable Outcome(s):

Outcomes	Fiscal Year		
	2021	2022	2023
Public Arbor Day Ceremony & Tree Planting	Completed	Designated Arbor Day	Designated Arbor Day

Action Plan:

Task	Resource Needs (persons/organization)	Target Completion Date
Develop/Distribute to donors approved tree list	Assigned Committee Member/P & R Director	Spring 2022
Develop/Distribute Honor Tree Program	Assigned Committee Member/P & R Director	Ongoing as needed
Conduct Arbor Day Ceremony	Assigned Committee Member/P & R Director	Designated Arbor Day 2022

Process Improvement:

PDCA

Stakeholders:

Internal	External
Parks and Recreation Committee Council, City Manager & Parks & Rec Staff Risk Management/ Insurance	Residents Visitors Businesses

Process Owner **Sandy Trammell**



City of Destin

Committee FY 2022 Work Plan

Strategic Goal:

High Quality of Life and Safety for Families

Organizational Objective:

Maintain High Level of Safety and Security for our residents, Businesses and Visitors

Performance Objective:

Develop a "Beautify Destin Parks" program

Measurable Outcome(s):

Outcomes	Fiscal Year		
	2022	2023	2024
Develop a Plan and method of assessment for park beautification			

Action Plan:

Task	Resource Needs (persons/organization)	Target Completion Date
Develop a plan to assess the use of murals in Destin	Parks Committee & staff	October 2023
Create & publicize "Adopt a Tree," "Adopt a Park", "Adopt a Bench" programs	Parks Committee & Staff	October 2023
Work with Destin's Master Gardeners to develop plan for park beautification	Parks Committee & staff	October 2023

Process Improvement:

PDCA

Stakeholders:

Internal City Council, Manager & P & R Staff Parks & Recreation Committee	External Residents and Local businesses Visitors
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Process Owner: Daniella Piper & Leslie Schmitt

February 22, 2022

No meeting was held as City Council Meeting was scheduled on Tuesday due to Monday Holiday and an alternate date in February could not be found.

March 22, 2022

This Annual Report and 2022 Work Plans were designed and approved by the Parks and Recreation Committee.

Respectfully submitted,

A handwritten signature in cursive script that reads "Sandy Trammell".

Sandy Trammell, Chairwoman

3/23/22

CITY OF DESTIN



AGENDA ITEM

COUNCIL MEETING DATE: April 4, 2022
TYPE OF AGENDA ITEM: Consent Agenda
AGENDA OUTLINE NUMBER: 3.A.

TO: City Council

THRU: Lance Johnson, City Manager

FROM: Rey Bailey, City Clerk

DATE: March 25, 2022

SUBJECT: Public parking support for Destin's 65th Annual Blessing of the Fleet and Community Fish Fry on Thursday, May 26, 2022

I. BACKGROUND: The Blessing of the Fleet was the catalyst for beginning Destin's Annual Week of Blessings activities. The Destin Week of Blessings Committee and the Immanuel Anglican Church have requested that the city waives the parking fees at the Marler Parking Lot on Harbor Blvd on Thursday, May 26, 2022, beginning at 3:00 PM in support of this long-standing community event.

II. DISCUSSION: Immanuel Anglican Church is the event sponsor, but the Church of Destin and the entire community participate in this event. The Blessings of the Fleet Committee will post appropriate signs (Atch B)

A. Link to Strategic Goals / Objectives:

B. Effect on Budget (EOB):

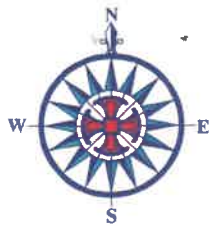
C. Level of Service (LOS):

III. CONCLUSION: The council has granted approval to waive the parking fees at the Marler Parking Lot in support of this event annually since 2019.

IV. RECOMMENDED MOTION: Motion to waive the parking fees at the Marler Parking Lot for the 2022 Blessings of the Fleet, effective at 3:00 PM on May 26, 2022.

Attachments:

1. Request waiver of parking fees
2. Free Parking Sign



IMMANUEL
ANGLICAN CHURCH
POINTING THE WAY TO JESUS

The Rev. Caleb A. Miller, Rector
The Rev. Ethan Harrison, Associate Priest

Request for the Destin City Council's Consent Agenda (Submitted 1 Mar 2022)

Public Parking Support for Destin's 65th Annual Blessing of the Fleet (BOF) and Community Fish Fry Thursday, May 26, 2022

Whereas: The City of Destin recognizes the importance of maintaining a vibrant active harbor, and

Whereas: The City of Destin has always been supportive of its charter fishing fleet and the many commercial seaborne vessels that make their living from the sea or support our many visiting tourists, and

Whereas: We want to invoke God's continued protection and blessing upon those who make their living from the sea and their families:

Therefore: The Destin Week of Blessings Committee requests the City of Destin become an official "sponsor" of Destin's annual Blessing of the Fleet by waiving or suspending the parking lot fees at the city's Marler parking lot on Harbor Blvd on Thursday, May 26, 2022, from "3 pm - until" in support of this long-standing community event. The BOF committee will post appropriate signs (See attached).

Date: Thursday, 26 May 2022, 4 pm (Ascension Day, 40 days after Easter).

BOF Location: On the docks at the Destin Fishing Fleet Marina, behind Brotula's restaurant.

Background-Blessing of the Fleet:

~ The Blessing of the Fleet is Destin 's second oldest tradition beginning in May 1958 (second only to the annual Destin Fishing Rodeo).

~ The Blessing of the Fleet was the catalyst for beginning Destin's Week of Blessings activities which are now held annually in conjunction with the Blessing of the Fleet.

~ The Blessing is available to all vessels who make their living from the sea.

~ Immanuel Anglican Church is the event sponsor, but the Church of Destin and the entire community participates in this event.

Respectfully submitted,

Rev. Caleb Miller
Rector, Immanuel Anglican Church



TODAY, Thursday

by order of

City of Destin

**FREE
PARKING**

from 3pm~until...

**In support of Destin's
annual Blessing of the Fleet**

**MINUTES
REGULAR MEETING
DESTIN CITY COUNCIL
MARCH 7, 2022
CITY HALL ANNEX COUNCIL CHAMBERS
6:00 PM**

The Council of the City of Destin met in regular session with the following members and staff present:

Destin City Council

Mayor Gary Jarvis
Councilmember Jim Bagby
Councilmember Bobby Wagner
Councilmember Johnny King

Councilmember Kevin Schmidt
Councilmember Dewey Destin
Councilmember Rodney Braden
Councilmember Terésa Hebert

Destin City Staff

City Manager Lance Johnson
City Clerk Rey Bailey
HR Manager Nicole Rivera
Engineering Assistant II Joe Bodi
Deputy Code Compliance Dir. Kris Mercurio
Public Works Director Michael Burgess
Land Use Attorney Kim Kopp

Deputy City Manager Webb Warren
Public Information Manager Catherine Card
Code Compliance Director Joey Forgione
Finance Director Krystal Strickland
Building Official Noelle Bell
Grants/Project Manager Jeffrey Cozadd
City Attorney Kyle Bauman

CALL TO ORDER, INVOCATION AND PLEDGE OF ALLEGIANCE

Mayor Gary Jarvis called the meeting to order at 6:00 pm; followed by the recitation of the Pledge of Allegiance.

AGENDA APPROVAL

Motion by Councilmember Hebert, seconded by Councilmember King, to approve the agenda passed 7-0 (Council members Schmidt, King, Hebert, Bagby, Destin, Wagner, and Braden voted “yes”).

1. PROCLAMATIONS / RECOGNITIONS / SPECIAL / PUBLIC PRESENTATIONS / ANNOUNCEMENTS

A. Destin High School (DHS) - Ms. Christine Cruickshank, Principal

Ms. Christine Cruickshank, DHS Principal, and Mr. Phil Dorn, DHS Athletic Director, provided an update on the status of the high school after the first 7 months since it opened its doors. They also discussed the vision of the future for the high school and its role in Destin with the council. The following information was presented:

Vision and Mission:

The mission of Destin High School is to prepare students academically, physically, and mentally to become responsible, productive, empowered citizens. Embracing the area's history as a tourist destination, military hub, and "world's luckiest fishing village" and supported by strong public/private partnerships, our diverse and specialized program will provide the foundation each student needs to secure a solid future.

Curriculum Goals:

- Same educational standards as all Florida high schools in accordance with the Florida Department of Education
- Regular, honors, advanced/AP, and dual-enrollment courses
- Career academies (small learning communities) that focus on the diverse needs of our local community by providing specialized programs, and career-themed courses in a variety of areas
 - ❖ Marketing and Entrepreneurship
 - ❖ Biomedicine
 - ❖ Fishing
 - ❖ Cybersecurity

Electives/Co-Curricular Courses:

- Career academies (small learning communities) that focus on the diverse needs of our local community by providing specialized programs, and career-themed courses in a variety of areas
 - ❖ 2021-2022
 - Cybersecurity
 - Biomedical Technology
 - Business Management/Entrepreneurship
 - Commercial Fishing
 - ❖ 2022-2023
 - Hospitality/Tourism
 - Culinary
 - ❖ Possible Future Academies
 - Construction (e.g., Carpentry, Electrical, HVAC, Masonry, Plumbing, Construction Technology)
 - Small Marine Engine Repair
 - Environmental/Marine Science

Destin High School – A Vision to a Reality ... Now Looking to the Future

About five years ago the Destin City Council tasked what became the Founding Board of Destin High School with determining the feasibility of a high school in Destin. This group worked hard to research, plan, and fundraise for the first high school in the history of Destin. Their vision became a reality on August 10, 2021, when Destin High School opened its doors to

students in grades 9-11 for the first time. We asked to be on the agenda tonight to update the Council members on what has been happening at DHS since the doors opened.

- DHS is the home to almost 300 students in grades 9-11. We have completed our first application period for the 2022-23 school year and have over 150 applications submitted.
- We have a talented and amazing group of teachers, staff, and coaches that are dedicated to the educational experiences for our students.
- We have a varied curriculum that offers students a wide range of academic classes.
- Currently, we offer four Career Academies – Biomedicine, Cybersecurity, Marketing and Entrepreneurship and the Commercial Fishing curriculum. Students in these academies can earn industry certifications in these fields that help prepare them for careers directly out of high school. Future academies being researched are Culinary, Hospitality and Tourism, Aviation, and Diesel Engine Repair to name a few. We gear these academies for the Destin area and economy in hopes that our students will be productive citizens locally after high school.
- We were honored to be selected as Grand Marshall of the Destin Parade.
- We have the beginnings of an amazing music and theater program.
- We have formed many amazing partnerships with individuals, groups, and organizations in the Destin area.
- Our goal is for the community to be part of the school and our students and school to be part of the community. We are growing our student opportunities to volunteer and make a difference in the Destin community moving forward.

The City of Destin has been very supportive of the school. We would like the city council to consider and approve a task force committee to work with the school to see what cooperative projects together we could come up with. That is how the Destin High School started. With a council member serving on the task force, we would have a member of the council in the know about all the amazing things going on and the needs of the school.

With a thriving 22 sport athletic program and no athletic facilities currently on its campus the Destin High School must look to partner with the Destin Community to continue to grow and have successful programs. Student interest has created 11 Boys and 11 Girls Sports for the 2021-22 school year and there is growing interest in 4 more sports, 2 Boys and 2 Girls Sports for the 2022-23 school year. To provide education-based values and competitive sport programs, compliant facilities that are safe and meet FHSAA Standards are required. Currently this challenge is being pursued through partnerships with the City of Destin, DUMC, Coast Aquatics, Destin Tennis Club, Indian Bayou Golf Club, and the Destin Middle School. While we have welcomed the opportunity to build relationships with these Destin Community Facilities the continued challenge to schedule, maintain, and improve these facilities to meet the growing needs of our Athletic Program have increased. For example, the City of Destin currently does not have a High School Level Baseball Field that meets required NFHS Standards.

We are asking the City Council to consider the possibilities of partnering, planning, building, and maintaining Municipal Facilities that could be scheduled and used by both the Destin High School and the residents of the City of Destin. For example, building a NFHS compliant baseball park at Morgan's Park, building a state-of-the-art Municipal Stadium capable

of hosting football, soccer, lacrosse, and track competitions, and the possibility of building a new gymnasium that could host basketball, volleyball, wrestling, and cheer competitions. These shared facilities could provide much needed programming for the City of Destin Parks and Recreation, provide an opportunity to host High School Tournaments bringing teams and people to the hotels and restaurants of Destin, and provide community centered events such as concerts. Through pooling resources, the Destin High School and the City of Destin could bring better opportunities to the residents of Destin than either could on their own. We are limited in Destin on available land, so it makes sense to look at ways to enhance the use of the land we have. We would appreciate your consideration of these thoughts to work together to provide quality experiences for our residents of Destin.

Councilmember Hebert stated that she would be willing to be the council representative to serve in the task force committee that would work with the high school on cooperative projects

2. PUBLIC COMMENTS

3. CONSENT AGENDA

- A. Choctawhatchee Basin Alliance (CBA) FY22 Contract Renewal
- B. Milling/Resurfacing/Restriping of a Section of Scenic 98 (Western Loop to Cobia Street)
- C. Renewal & Replacement FY22 - Vehicle, Public Works/Emergency Management Department
- D. Approval of minutes of February 7, 2022, Regular City Council Meeting
- E. Draft Minutes of Board and Committee Meetings
- F. FDOT Lighting Agreement, 22 additional crosswalk lights on US98

Councilmember Hebert moved for approval of Consent Agenda items 3A thru 3F, as printed above, seconded by Councilmember King. Motion passed 7-0 (Council members Schmidt, King, Hebert, Bagby, Destin, Wagner, and Braden voted “yes”).

4. CITY MANAGER REPORTS

- A. Choctawhatchee Bay Alliance (CBA) FY21 Water Quality Presentation

Ms. Jenna Kilpatrick of Choctawhatchee Bay Alliance (CBA) provided the following report on CBA activities conducted for FY 2021.

Mission: Choctawhatchee Basin Alliance (CBA) is a non-profit organization responsible for promoting swimmable, fishable waterways in the community through monitoring, education, restoration, and research. We serve all around our watershed, across the Choctawhatchee Bay, the Destin Harbor, up the Choctawhatchee River to Geneva, Alabama, coastal dune lakes of Walton County. We are expanding efforts northeast to encompass the freshwater areas of the Choctawhatchee Basin.

Destin NPDES and CBA:

- The perfect partnership
- In 2003, the City of Destin was mandated to comply with state regulations regarding water quality. The NPDES permit was designed in two phases:
 - ❖ The City of Destin must regulate stormwater runoff using best management practices
 - ❖ The municipal separate storm sewer systems program comprises six elements that, when implemented in concert, are expected to result in significant reductions of pollutants discharged into receiving water bodies
 - ❖ CBA partners with the City of Destin to fulfill these NPDES requirements

Public Education and Outreach:

- CBA presentations to school-age children
 - ❖ 3rd and 5th grade students grow salt marsh grasses at school
 - CBA Education staff and AmeriCorps teach stormwater and environmental education with hands-on lessons in schools
 - End-of-year field trip
 - ❖ Middle school students grow sea oats in school
 - CBA Education staff and AmeriCorps teach stormwater and environmental education with hands-on lessons in schools
 - End-of-year field trip
 - ❖ 161 Destin students taught in 2021 at Destin Middle School; hybrid option due to COVID with 2 field trip days
 - ❖ Annual average: 1,400 students taught in Okaloosa County (90-plus% academic gains)
 - Personal testimony: “*The Choctawhatchee Basin Alliance came to my elementary school and I got to participate in ‘Grasses in Classes.’ I still remember and loved that experience.*” Emma, Marine Biology undergraduate student, UWF
- Homeschool field trips
- Volunteer events
- Partner Team Building
- Alternate Spring Breaks
- Summer Destin Library Program: From Shelves to the Shores
- Two annual regional cleanups: Earth Day and International Coastal Cleanup

CBA Presentations for Public:

- CBA presents current research and focused information in monitoring, restoration, and research for community groups and events:
 - ❖ Destin Forward
 - ❖ Rotary Clubs
 - ❖ Garden Clubs
 - ❖ Fishing Clubs
 - ❖ Henderson Beach Bash
 - ❖ Harbor events

- ❖ Scouts
- 2021 Fly Fishing Film Festival
- Half Shells on the Harbor

Public Involvement/Participation:

- Volunteer Water Quality Monitoring
 - ❖ Six water quality stations
 - ❖ Two volunteers
 - ❖ Monthly sampling and data collection
 - ❖ New harbor volunteer-Panhandle Flyfishers

CBA Destin Water Quality:

- Numeric Nutrient Criteria (Florida DEP standards)
 - ❖ Middle Bay
 - Phosphorus: 0.020 mg/L as AGM
 - Nitrogen: 0.36 mg/L as AGM
 - Chlorophyll: 3.1 mg/L as AGM
 - ❖ West Bay
 - Phosphorus: 0.049 mg/L as AGM
 - Nitrogen: 0.54 mg/L as AGM
 - Chlorophyll: 4.1 mg/L as AGM
 - ❖ Middle Bay Results
 - Stations Destin 2 and Destin 3 fail for Chlorophyll in 2020
 - Chlorophyll levels are decreasing over last 10 years
 - ❖ West Bay Results
 - All stations pass for 2020 for Total Phosphorus, Total Nitrogen, Chlorophyll

Pollution Prevention/Good Housekeeping:

- Monofilament Recycling
 - ❖ 3.3 cubic yards of monofilament fishing line recycled in Destin last period (April – September 2021)
 - 4 along the harbor, 1 Joe's Bayou Boat Ramp
 - 5 stations; 1 COD volunteer
 - ❖ Looking for community partners like charters, bait shops, etc.
- Oyster Shell Recycling
 - ❖ 4 Destin restaurants
 - Back Porch
 - Boathouse
 - Brotula's
 - Johnny O'Quigley's
 - ❖ Collected 62.5 tons of oyster shells for period
 - ❖ New educational placemats
 - ❖ New shell staging site is located in Fort Walton Beach. Helpful for Okaloosa County restoration projects

Opportunities:

- CBA and City of Destin
 - ❖ Interactive Water Quality Map
 - ❖ Leverage positive impact from existing programs
 - ❖ Increase participation in all programs

Councilmember Schmidt inquired as to the cause for high chlorophyll.

Ms. Kilpatrick explained that stormwater runoff is a main cause for high chlorophyll. It carries with it different materials such as yard clippings, excess debris, leaves, etc., which can cause chlorophyll to increase overtime.

B. FY 2021 Annual Audit and Financial Statements

Mr. Thomas Smith, Director of EFPR Group, LLP, presented a summary of the independent auditor's report for the fiscal year ending September 30, 2021.

- Financial Statements and Auditor's Reports were reviewed with management
- Unmodified (unqualified or "clean") opinions will be issued on the city's financial statements, the community redevelopment agency, and the Schedule of Receipts and Expenditures of Funds related to the Deepwater Horizon Oil spill
- No material weaknesses or significant deficiencies were noted in the city's internal controls over financial reporting or in the city's compliance with certain provisions of laws, regulations, contracts, and grant agreements
- Management provided all required documentation in a timely manner
- At the city-wide (full accrual) level, revenue exceeded expenses by \$10.9 million. Revenue increases \$3.6 million due to the revenue received from Okaloosa County for the land acquisition. Expenses increased \$0.2 million. Net position on September 30, 2021, is \$131.2 million, including \$98.3 million invested in capital assets. The city is in strong fiscal condition
- At the general fund level there was a decrease in general fund balance of \$5.2 million. Revenues increased \$4.0 million due to a \$4.1 million increase in intergovernmental revenue, mainly due to the city receiving \$4.1 million from Okaloosa County for a land acquisition. Expenditures increased by \$1.5 million, primarily due to an increase in debt principal payments related to a debt refunding in the current year
- The general fund restricted fund balance decreased from \$3.2 million to \$0, as those funds were transferred out to create the new funds

Councilmember Bagby moved to accept the 2021 Annual Audit and Financial Statements; seconded by Councilmember Hebert.

Councilmember Bagby noted the following statement under Capital Improvement Program on page xii of the draft financial report: *"Destin's Capital Improvement Program projects are planned for five years and evaluated based on project total of over \$25,000, a useful life of five years or more; and costs that do not reoccur annually, unless the project has multi-*

year elements.” He asked if this is in line with other municipalities, or whether it is smaller or less.

Mr. Smith stated that typically those projects are a little bit smaller, depending on what they feel is accurate for the city. Usually, a capital project would last for more than one year, and it would depend on the capitalization threshold of the city. A municipality the size of the City of Destin would typically be closer to \$10,000.

Councilmember Bagby asked if the city’s policies – investment, procurement, and other financial related policies were reviewed.

Mr. Smith noted they have reviewed the city’s investment policy to make sure it is aligned with the State of Florida’s laws and regulations. They also have to issue an examination report stating whether the city is in line with those policies. They also looked at the procurement policy, but not to issue a report in the same manner as the investment policy. They have to issue a report that there are no significant deficiencies or material weaknesses in accordance with internal controls of the city, and that internal controls are being followed.

Councilmember Bagby asked how they compare with other municipalities in terms of their levels of spending, as well as the other parts of the procurement policy.

Mr. Smith replied it is very much in line with municipalities the size of Destin that they have audited.

Councilmember Destin noted he did not find a management letter which is generally part of the report, and which generally contains recommendations for improvements from the auditors.

Mr. Smith pointed out that a draft management letter is on pages 97 and 98 of the report, which did not include any management comments for this year.

Finance Director Krystal Strickland explained that two years ago there was a management comments regarding the city’s fund balance. It was thought that the city did not have an established fund balance policy. She was able to clear this matter up with the auditors for the fiscal year 2020 statements. The auditors did not see any need for the city to improve upon any policies for fiscal years 2020 and 2021.

Motion passed 7-0 (Council members Schmidt, King, Hebert, Bagby, Destin, Wagner, and Braden voted “yes”).

C. Update on Capt. Royal Melvin Heritage Park

Mr. Scott Jenkins of Construction Engineering and Inspection Services provided a progress update on the Capt. Royal Melvin Heritage Park. He stated there had been a lot of activities over the past few weeks, and that lot of progress had been made. The following are some of the things that have been accomplished over the past few weeks.

- The lift station has been installed on site

- They have started work on compacting the base materials for the pavers along the harborside
- Hollow core panels have been placed on the roof of the building so it could be enclosed waterproofed
- Internal block work has been completed

Mr. Jenkins also stated that activities scheduled within the next few weeks will be waterproofing of the roof panels, placing the top slab on the roof, concrete pouring of the stairs, stucco placement on the buildings, and final landscaping for the city.

Mr. Jenkins also noted there is a change order request for a time extension on the project going all the way back to January 2021 when there have been delays on the notice to proceed with the project. Construction Engineering did not get involved with the construction aspects of the project until September 2021. He continued that they have been trying to catch up on paperwork associated with it, and that the change order should catch everything up to date. He added that the decision with regards to handrail construction is still pending, but they expect to get an answer soon.

Councilmember Bagby moved to direct the City Manager to execute Change Order 11 to the GLC Contracting Construction Contract. Councilmember Hebert provided a second to the motion.

Councilmember Bagby recommends they focus solely on completing this project and not dwell on what happened in the past.

Councilmember Hebert inquired as to the estimated completion date for this project.

Mr. Jenkins stated that provided there are no weather delays, they could reasonably expect a completion date of April 11, 2022. The only question is the handrails and how long it could take to manufacture them and get them installed. However, there may be some temporary adjustments they could do to get the park open in the meantime.

Councilmember Schmidt inquired about the issue with the handrails.

Mr. Jenkins explained that a decision has been made with regards to the manufacturer. They just need to pick the handrail and determine the costs. He added there will be another change order with regards to the handrail.

Councilmember Schmidt asked about a beam issue which he has heard a while back, and what is being done to resolve it.

According to Mr. Jenkins, there had been no report and no information presented to them with regards to a beam issue. The construction engineer for the project has indicated there that there was no beam issue. They are doing some additional steps to add some extra thickness to prevent any kind of corrosion on the structural steel inside the beam.

Mr. Joe Garvey of GLC Contracting Inc., noted that the original date that they requested approval for the handrail was April 16, 2021, and that there is still no decision at this time. He continued they cannot obtain a Certificate of Completion for the project without the handrails, but they expect the project to be about 99.% complete by April 11th minus the handrails.

Motion passed 6-1 (Council members Schmidt, King, Hebert, Bagby, Destin, and Wagner voted “yes”; Councilmember Braden voted “no”).

D. Destin Cross Town Connector Retention Areas and Traffic Safety

Mr. James Park of Atkins Engineering discussed the architectural renderings, proposed Pond 2 modifications and traffic calming devices for the Destin Cross Town Connector project.

Architectural Renderings/Pond 2 Greenspace

- 3D model of current design (60%)
- Pond 2 renderings
- Additional greenspace opportunities
 - ❖ Northwest of Cross-Town Connector roadway
 - ❖ Northwest quadrant of roundabout (Beach and Legion)
 - ❖ Southeast quadrant of roundabout (Beach and Legion)

Architectural Renderings



Architectural Renderings



Architectural Renderings



Architectural Renderings Pond 2 Greenspace

› Additional Greenspace opportunities

1) NW of DCTC (0.93 AC)

2) NW Quadrant of roundabout (Beach and Legion) (0.26 AC)

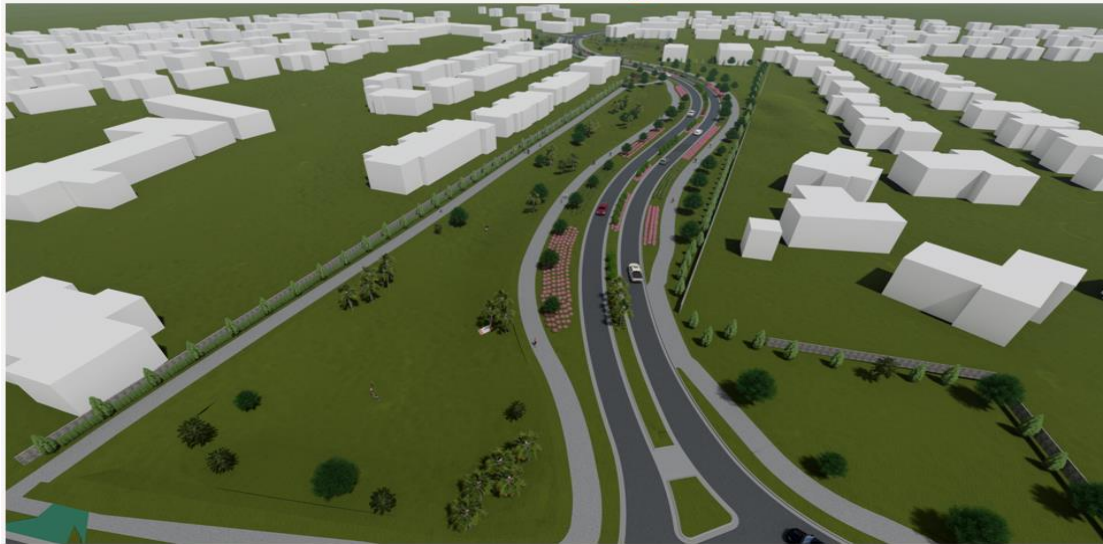
3) SE Quadrant of Roundabout (Beach and Legion) (0.20 AC)



Architectural Renderings – Additional Greenspace



Architectural Renderings – Additional Greenspace



Greenspace Usage Opportunities:

- Art Walk
- Exercise Equipment
- Open Space Usage

Councilmember Braden left the meeting at 7:50 PM

Pond 2 Modifications

Minimum Design Criteria - 25-Year, 96-Hour Storm

- › East side of pond raised 1-2' (current depth ~7')
 - No impact to schedule or budget
- › Stepped Retaining Walls
 - High aesthetic value, added greenspace
 - Schedule & budget impacts
 - Increased construction cost
- › West side depth result of roadway profile & natural topography (current depth ~12')
 - Retaining wall required to create continuous depth, flat bottom throughout pond
 - Schedule and budget impacts
 - Increased construction costs, low aesthetics



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Traffic Calming

Florida Design Manual (FDM) Chapter 202.3 Speed Management Strategies	
✓ Roundabouts	Vertical Deflection
✓ Lane Narrowing	Speed Feedback Signs
✓ Horizontal Deflection	✓ Islands/Medians
✓ Street Trees	✓ Terminated Vista
✓ Centerline Curvature	

- › Suitable Strategies
- › Already included in current design

Traffic Calming:

- Vertical Deflection
 - ❖ Raised crosswalks
 - ❖ Reduce entry speed into roundabout
- Speed Feedback Signs
 - ❖ Increased awareness
 - ❖ Visual feedback only

❖ No physical deterrent

Councilmember Destin recommends they consider reducing the footprints of the pond and adding exfiltration piping, thus increasing the recreational area.

The mayor asked how much more time and money is involved in exploring this idea and redesigning the project.

According to Mr. Park, the project would have to go through a 60 percent redesign submittal, which could take 6 to 8 weeks of design, which could cost \$40,000 to \$50,000. He also stated that any changes at this stage would have a massive trickle-down effect on the project.

The mayor stated that the crosstown connector was not supposed to be a park. It was supposed to provide a badly needed roadway connectivity to help ease the traffic problem for the community. It has already been discussed for over a dozen years by three different council. The 60 percent plan, as it stands, offers recreational opportunities for the crosstown connector. He urges the council to keep things on track and continue the design of the crosstown connector to the 90 percent phase.

Councilmember King opined that these types of changes are what caused previous delays on this project. He supports moving forward with the design of the project.

Councilmember Destin noted they are still two years away from roadway construction if they are successful in acquiring the necessary properties. The process could take a lot longer if they must condemn any of those properties. Any project redesign will not realistically delay construction. They should take advantage of every opportunity to provide more recreational area to the public.

Councilmember Bagby agrees with trying to obtain more greenspace for the community, and something of which they would be proud. It would not be a factor in further delaying this project as they do not own all the required properties and it is not yet ready for construction.

Councilmember Destin moved to direct the project engineer to explore the idea of reducing the footprints of the pond and adding exfiltration piping and bring back recommendations within 4 weeks; seconded by Councilmember Wagner.

Councilmember Schmidt states he does not feel spending \$50,000 for plan redesign is a good use for that money. He feels there is enough greenspace in that area and would prefer moving forward with the current design.

Motion failed 3-4 (Council members Bagby, Destin, and Wagner voted “yes”; Council members Schmidt, King, and Hebert voted “no”; Mayor Jarvis casts the tiebreaking vote of “no”; Councilmember Braden was absent during the voting)

Councilmember Schmidt moved to direct the City Manager to authorize the continued design of the Destin Cross Town Connector to the 90% phase; seconded by Councilmember King. Motion passed 5-1 (Council members Schmidt, King, Hebert,

Bagby, and Destin voted “yes”; Councilmember Wagner voted “no”; Councilmember Braden was absent during the voting).

E. Strategic Plan FY 2023 - Strategic Goals & Council Objectives

The City Manager provided the following presentation:

Priority Levels Defined:

- Critical Priority – An objective that must be successfully accomplished within a specified amount of time
- Important Priority – A priority that can have a significant impact on performance. Resources are fixed and the variable is either time or the objective.
- Desirable Priority – A priority where both resources and time are variables. The organization desires an outcome but cannot absolutely commit specific resources over any specifiable time period

Note: Resources are fixed for all Critical and Important priorities; therefore, it may become necessary to transfer resources from Desirable priorities to Critical priorities.

Current Council Objectives – FY 2022

➤ Critical Priorities

- 1.1 – Offer livable wages & benefits to attract and maintain high caliber, qualified Staff

➤ Important Priorities

- 1.2 – Complete two-lane Crosstown Connector
- 1.3 – Public beachfront acquisition initiative
- 1.4 – Underground Utilities
- 1.5 – Zerbe St/Calhoun Avenue Phase II – Design pedestrian pathway under Marler Bridge

➤ Desirable Priorities

- 1.6 – Research viability of Multi-Use Convention/Sports/community Center (Phase 1 feasibility study)
- 1.7 – Annexation of unincorporated enclaves
- 1.8 – Transit/Trolley System
- 1.9 – City Marina (Phase 1 Feasibility Study)
- 1.10 – Improve parking, explore options (i.e., garage, surface, etc.)
- 1.11 – Beach renourishment, planning and scheduling

Strategic Plan – FY 2023

➤ Strategic Goals

1. Financially sound city providing service excellence
2. Enhanced quality of life and safety for families
3. Economic development and revitalization
4. Effective, efficient, and aesthetically pleasing infrastructure
5. Improve mobility and connectivity
6. A green and sustainable environment

Council Objectives

➤ Critical Priorities

- 1.1 – Offer livable wages & benefits to attract and maintain high caliber, qualified Staff
- 1.2 – Research viability of Multi-use Convention/Sports/Community Center (Phase 1 Feasibility Study)

➤ Important Priorities

- 1.3 – Complete two-lane Crosstown Connector
- 1.4 – Public beachfront acquisition
- 1.5 – Underground Utilities
- 1.6 – ~~Zerbe St./Calhoun Avenue Phase II design pedestrian pathway under the Marler Bridge~~ (Redirect resources to Stahlman/US Hwy 98 intersection or table the item due to FDOT concerns?)

➤ Desirable Priorities:

- 1.6 – Annexation of unincorporated enclaves
- 1.7 – Transit/Trolley System
- 1.8 – City Marina (Phase 1 Feasibility Study)
- 1.9 – Improve parking, explore options (surface/garage)
- 1.10 – Beach renourishment, planning and scheduling (partnership w/ county and state)

Following the presentation **Councilmember Bagby moved to set aside the order of the day and move up agenda item 6(H)2 - Update on a Destin City Center and allow the mayor to discuss this item at this time; seconded by Councilmember Hebert. Motion passed 6-0 (Council members Schmidt, King, Hebert, Bagby, Destin, and Wagner voted “yes”; Councilmember Braden was absent during the voting).**

The mayor discussed the idea of a city center. He stated that the current community center is 32 years old and does not fully serve the community; and that they have a Town Center CRA that has been in debt since 2005. The whole purpose of a CRA is for redevelopment to increase the tax base and make the city better. He pointed out that the idea of a city center

started with a multi-use events center for cultural events, concerts, and sporting events. However, it has grown to be an all-encompassing project: a new community center big enough to serve the need of the community; a new city hall with a hardened emergency center that would allow emergency personnel to stay on scene. This idea is even more appealing now that they have their own high school that needs facilities for their sporting events. They can move city hall and city hall annex in the middle of town and use the existing lands to build more sporting facilities.

The mayor also noted that Publix bought the land the city has been targeting, and that they have hired a development team from Atlanta and have already presented a preliminary plan to the city. They are under the assumption that Publix would only need about 6 to 9 acres out of those 21 acres of land for their retail. The remaining area as well as the outlying areas may be available for a city center. However, before they plan to have a face-to-face meeting with Publix representatives to share their ideas, they feel it would be beneficial for members of this council to take a trip to the City of Alpharetta in Atlanta and visit their city center, take a tour of their facilities, and learn how they redeveloped their small community; and then possibly form their own vision of what a city center would entail and start formulating a plan. Mr. Shane Moody of the Destin Chambers plans to send an official invitation to members of the council to travel to Atlanta. He added that they have coordinated this matter through the City Attorney to avoid any Sunshine Law violation.

Several members of council expressed support of a city center.

Councilmember Destin urged everyone to seriously consider the costs to make this vision come to fruition.

Councilmember Bagby stated that they need somebody to champion this initiative. Someone who is willing to make the investment because the city cannot do it on its own.

Councilmember Schmidt moved to adopt the FY 2023 Council Strategic Objectives with the following modifications:

- ***Move “Research viability of Multi-use Convention/Sports/Community Center (Phase 1 Feasibility Study)” from the Desirable Priorities category to Critical Priorities category (1.2) and change the title to “Work with stakeholders to pursue the Destin City Center.”***
- ***Table “1.6 – Zerbe St/Calhoun Avenue Phase II Design pedestrian pathway under the Marler Bridge” until further notice,***

and instruct staff to begin their research and planning for future budget workshop with the city council. Councilmember Hebert provided a second to the motion.

There were some discussions relative to the feasibility study for the city center. It was the consensus of the City Council not to move forward with the feasibility study for the city center until directed to do so by council.

Motion passed 6-0 (Council members Schmidt, King, Hebert, Bagby, Destin, and Wagner voted “yes”; Councilmember Braden was not present during the voting).

Motion by Councilmember Bagby, seconded by Councilmember Destin, to direct staff to bring back a budget amendment to move the \$75,000 budgeted for FY 2022 for the feasibility study and put it in Council Contingency account for the remainder of FY 2022 passed 6-0 (Council members Schmidt, King, Hebert, Bagby, Destin, and Wagner voted “yes”; Councilmember Braden was not present during the voting).

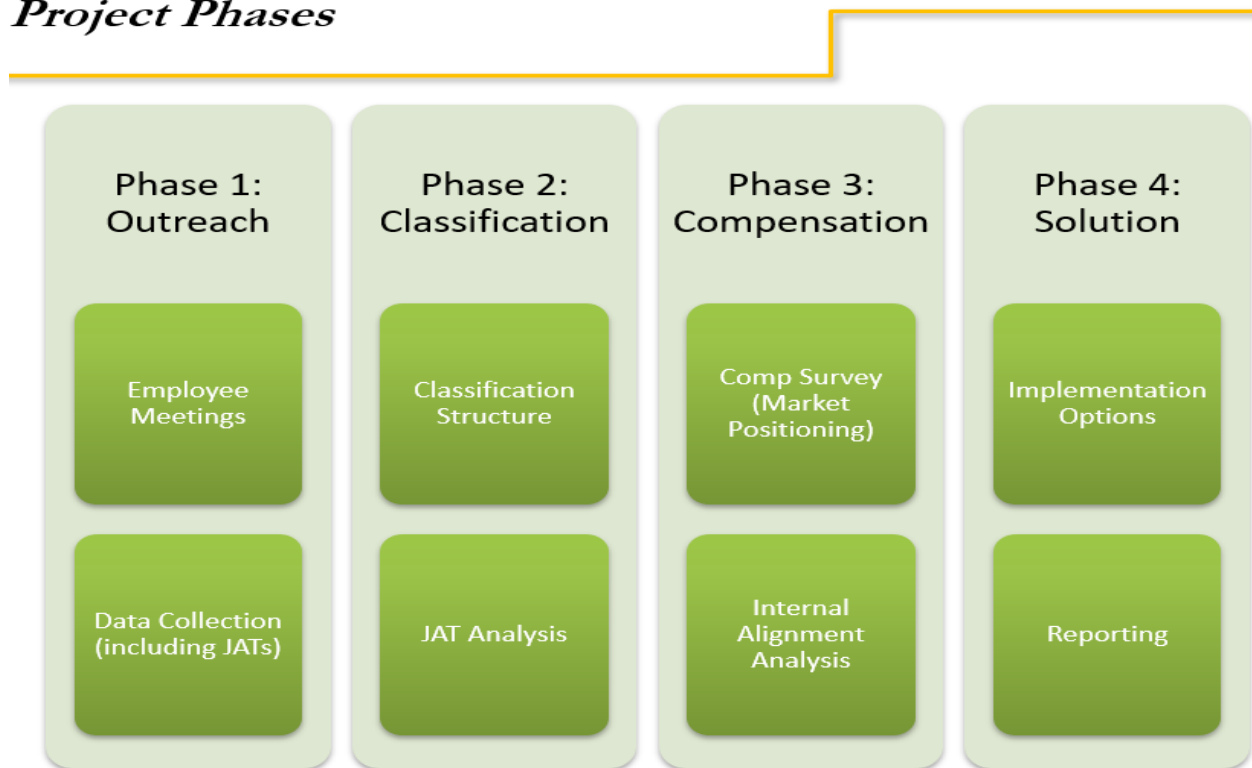
F. Compensation Study

Dr. Jeff Ling of Evergreen Solutions provided a brief update (virtually) on the methodology and results of the compensation study for the City of Destin.

Study Goals:

- Review current classification and compensation system to ensure internal equity
- Survey peer organizations to ensure external equity
- Produce recommendations to provide the organization with a classification and compensation system that is equitable, both internally and externally

Project Phases



Employee Meetings Comments - Positive:

- Benefits – employees expressed that the benefits package, specifically the healthcare coverage and retirement, played a positive role in affecting morale
- Culture – Several employees described the quality of people they work with as the number one reason they have stayed with the organization. Many also cited

having a wonderful relationship with their direct supervisor as a key reason for staying

- Location – Most employees expressed that the biggest draw to working for the City of Destin was the location of the city, emphasizing how Destin is a very desirable place to live
- Schedule – Many employees expressed their appreciation for the flexibility of hours, especially by having weekends off as well as designated paid time off

Employee Meetings Comments - Concerns:

- External Equity – Feedback on the competitiveness of pay in the city was unanimous for the most part, with most employees sharing that their starting pay is lower than in other municipalities, and that there is not much opportunity to move up
- Internal Equity – Many departments had some concerns that subordinates were more highly paid and had a higher earning potential compared to their supervisor. There was a belief among employees that new hires are being hired in at rates above those of tenured employees, and that drove morale down among the employees who expressed this concern
- Professional Development – Many employees indicated that there is not much of a “career ladder” within positions. They expressed concerns of having no opportunities for advancement within their positions, emphasizing the need for a “tier structure” within positions with different levels of pay based on experience

Current System Review:

- Strength:
 - ❖ The city has moved employees through their pay ranges and does not have a significant portion of employees at the minimum of the pay range
 - ❖ The city has a clean and easy to understand pay plan with consistent range spreads and midpoint progressions
- Weakness:
 - ❖ The city has approximately three-quarters of its employees in the top half of their current pay ranges. This can be a sign of ranges that are significantly below the market
 - ❖ There appear to be some compression in some pay ranges between employees and supervisors

Comp Survey:

- Salary and benefits survey resulted in 12 responses
 - ❖ Cocoa Beach
 - ❖ Fernandina Beach
 - ❖ Fort Walton Beach
 - ❖ Marco Island
 - ❖ Naples
 - ❖ New Smyrna Beach
 - ❖ Okaloosa County

- ❖ Panama City
 - ❖ Panama City Beach
 - ❖ Pensacola
 - ❖ Safety Harbor
 - ❖ Vero Beach
- All responses are adjusted for cost-of-living differentials
 - Salary ranges and average actuals were collected from the respondents
 - A total of 62 jobs were benchmarked representing all participating parties

Market Results

Unadjusted Results (no cost-of-living adjustment)			Adjusted Results (cost-of-living adjusted)		
Minimum	Midpoint	Maximum	Minimum	Midpoint	Maximum
-19.4%	-19.1%	-18.8%	-17.4%	-16.9%	-16.4%

- A negative differential indicates the City is behind at that market position on average.
- While cost-of-living adjustments make the City slightly more comparable than an evaluation without an adjustment, the City is significantly behind the market at the minimum, midpoint, and maximum of the range.
- When considering benefits, most peers are within +/- 1 percent.

Key Recommendations:

- Adopt an adjusted pay plan with fewer pay grades. The newly recommended pay plan has consistent range spreads and progression between the grades
- Reassign pay grades to positions based on internal equity and the market results. Some positions will see larger adjustments than others due to the market response
- Place employees within their newly recommended pay grades. Select an implementation methodology that aligns with the compensation philosophy and financial means of the city

Implementation Options:

- Compa Ratio – sets an employee’s salary in the recommended ranges so that their compa ratio is unchanged. Compa ratio is a ratio between the employee’s salary

and their range midpoint. Therefore, if an employee is at midpoint before the study, they would remain at the midpoint after the study. If they are 5% below the midpoint in their current pay grade, they would be placed 5% below the midpoint of their newly recommended pay range as well

- Compa Ratio to Midpoint – uses the compa ratio methodology but does not adjust employees who are above the midpoint. Therefore, an employee who is at the midpoint currently would remain at the midpoint in their new pay range, but an employee who is 5% above their midpoint currently may fall to the midpoint of the new grade

Proposed Market Position:

- Implementing the new pay plan and slotting employees will move the average minimum 1.5 percent, midpoint 4.6 percent and maximum 6.4 percent above the 2021 market values
- Predicted market change for 2022 is between 4.0 and 6.0 percent
- Some classifications will move more or less than the marketplace average; however, the proposed solution provides a strong basis to compete

Next Steps:

- Finalize implementation plan – March 2022
 - ❖ Select alternative
 - ❖ Communicate alternative
 - ❖ Address concerns
 - ❖ Submit written report
- Revised class descriptions – April 2022
 - ❖ Create new class descriptions
 - ❖ Revise current class descriptions

Councilmember Bagby detailed the following list of items/questions he plans to address during his one-on-one meeting with Mr. Ling and staff:

- The value of the benefits from the city as compared to what their peers are offering (health, 457 plan and thrift plan)
- Three-quarters of employees that are above the midpoint. Is it based on longevity?
- Where the city is relative to their peer groups where current city employees can potentially go or places where they can commute (i.e., Okaloosa County, City of Fort Walton Beach, Walton County, Panama City Beach, Niceville, etc.)
- Total cost of proposed compensation

Councilmember Hebert would like to know if Evergreen Inc. ever encourage employers to conduct some type of assessment to avoid mismatches and place the right employees on the right jobs, or for the employee to pursue the job better aligned with their capability.

According to Mr. Ling, there have been some municipalities in Florida with career/assessment centers that would test potential employees and encourage them not to pursue high skill/high wage jobs if they did not the competency or capability to perform that job, and to pursue jobs better aligned with their capability. He continued this is not as pronounced in Florida anymore as it is with some other states.

Councilmember Destin stated they would need to find reoccurring revenue sources to be able to afford proposed increase in employee compensation. They would also need to expend their efforts to fill all the vacancies as some of the complaints he has heard are there are certain employees with so much work to do.

G. Utility Undergrounding - Utility Consultants of Florida - Task Order 2

Mr. Mark Porter of Utility Consultants of Florida provided the following updates:

- Coordination meetings with CITY staff and other Key Stakeholders to discuss project advancement, funding initiatives, timeline, and next steps.
- Discussions & coordination with CITY staff, FPL, AT&T, CenturyLink, and Cox), and other Key Stakeholders on overall process for the City's Phase 1 UG Project.
- Establish estimated timelines and sequencing/phasing of Phase 1 of the Destin UG Project.
- Collection of survey data required by FPL for their design.
- Initiate design efforts and deposits when required for Phase 1. Work with the respective utility owners during their design and review preliminary design.
- Identify equipment locations of FPL's facilities within Phase 1.
- Coordinate with Utilities, FDOT, local governmental authorities, and other potential agencies to review any potential work plans within Phase 1.
- Coordinate and assist CITY with procurement plan for Phase 1 undergrounding. Establish potential qualified undergrounding contractors, meetings & discussions on advertisement, timeline, project delivery, support RFQ/RFP, and plans package.
- Discussions and field verification of existing facilities prior to engagement with communication utility owners to identify all aerial utility involvement needed within Phase 1.

Councilmember Bagby moved to direct the City Manager to execute Task Order 2 of the Destin Utility Undergrounding Project Management Agreement with Utility Consultants of Florida; seconded by Councilmember Hebert. Motion passed 6-0 (Council members Schmidt, King, Hebert, Bagby, Destin, and Wagner voted "yes"; Councilmember Braden was absent during the voting).

H. Adoption of Resolution 22-05 Investment Policy

Finance Director Krystal Strickland noted that Resolution 22-05 is a new investment policy intended to be one comprehensive policy that will replace Resolutions 12-12 – *Investment of Surplus Fund Dollars*, Resolution 13-04 – *Investment of City Fund Balance*, and Resolution 18-07 – *Investment of Funds for the City of Destin*. This revised policy is organized to more

clearly show compliance with Florida Statute 218.415 Local Government Investment Policy. Although this new policy does not require four separate investment accounts to address the city's fund balance policy, they will continue to maintain the spirit of the fund balance policy by keeping the minimum reserve balances outlined in that policy as committed fund balance in a very safe, highly liquid investment account.

Councilmember Destin requests Section XI of proposed Resolution 22-05 be amended to read, *"If the Investment Officer in consultation with the City Council determine that an Investment Manager is desirable, then a minimum of three (3) qualified broker/dealers must be contacted and asked to provide bids/offers in writing to manage the City's investments"* stating that the council has the sole authority to approve bids.

Councilmember Bagby moved to adopt Resolution 22-05 Investment Policy with the following amendment:

- **Section XI – Competitive Selection of Investment Manager.** First sentence to read, *"If the Investment Officer in consultation with the City Council determine that an Investment Manager is desirable, then a minimum of three (3) qualified broker/dealers must be contacted and asked to provide bids/offers in writing to manage the City's investments."*

Motion seconded by Councilmember Schmidt. Motion passed 6-0 (Council members Schmidt, King, Hebert, Bagby, Destin, and Wagner voted "yes"; Councilmember Braden was absent during the voting).

I. TDC FY22 and FY23 Expenditure Plan

The City Manager explained that the TDC provides a 12.5% funding set aside for use by the municipalities in Okaloosa County. The TDC has asked municipalities to request their allocation of the 12.5% set aside through the submission of Expenditure Plans, which is due to the TDC by March 15, 2022. He asked for authorization to submit proposed Expenditure Plans and Operations Funding Request, as outlined in the staff report, to the TDC.

Councilmember Bagby moved to authorize the City Manager to sign and submit the proposed Expenditures Plans and Operations Funding Request to the TDC for consideration by the March 15th deadline; seconded by Councilmember Hebert.

Motion passed 6-0 (Council members Schmidt, King, Hebert, Bagby, Destin, and Wagner voted "yes"; Councilmember Braden was absent during the voting).

J. Announcements:

- Over 200 citizens have completed the Joe's Bayou Recreation Area Improvement Project survey to date.
- The links to the Joe's Bayou Recreation Area Improvement Project survey and the Community Development Citizen Engagement Survey can be found on the City of Destin website under the News Release section. They are also

posted on the City Government Facebook page, on Tweeter, Instagram, and Next Door

- City Manager will be out of the office from March 21-25. Mr. Webb Warren will be the Acting City Manager from March 21-23. Mr. Zunguze will be the Acting City Manager from March 24-25.
- The City of Destin will host the Destin Forward Class on Thursday, March 10th.

5. PUBLIC HEARINGS

- A. First reading of Ordinance 22-03-CN - Lease of certain real property owned by the City of Destin. Providing for City Council approval of a contract for the lease of the property of Dalton Threadgill Park.

The City Attorney read Ordinance 22-03-CN by title, and then presented it to the city council on first reading.

AN ORDINANCE OF THE CITY OF DESTIN OF OKALOOSA COUNTY, FLORIDA RELATING TO THE LEASE OF CERTAIN REAL PROPERTY OWNED BY THE CITY; PROVIDING FOR AUTHORITY; PROVIDING FOR FINDINGS OF FACT; PROVIDING FOR CITY COUNCIL APPROVAL OF A CONTRACT FOR LEASE OF THE PROPERTY OF DALTON THREADGILL PARK; AND PROVIDING FOR AN EFFECTIVE DATE

The mayor opened a public hearing to receive comments for or against the proposed ordinance. Having none, the mayor closed the public hearing portion of this item and turned the matter over to the city council for their discussion and consideration.

Motion by Councilmember Bagby, seconded by Councilmember Destin, to approve Ordinance 22-03-CN on first reading passed 6-0 (Council members Schmidt, King, Hebert, Bagby, Destin, and Wagner voted “yes”; Councilmember Braden was absent during the voting).

6. COMMENTS / PRESENTATIONS FROM MAYOR, COUNCIL, LAND USE ATTORNEY AND CITY ATTORNEY

- A. Councilmember Braden
- B. Councilmember Wagner
- C. Councilmember Destin
- D. Councilmember Bagby
- E. Councilmember Hebert
- F. Councilmember King
- G. Councilmember Schmidt

- 1. Outside Employment Personnel Policy

Item pulled from the agenda

- 2. "Drive Slowly" sign at Main Street and Kelly Street

Councilmember Schmidt requests the City's Public Works/Safety Committee to consider viable options for placement of the 4 "*Please Drive Slowly we love our Children*" signs around the city.

H. Mayor Gary Jarvis

Mayor Jarvis announced he will not be able to attend the April 4th council meeting as he will sit on a panel for the National Marine Fisheries for Shark Predation on that day.

1. Imposing tougher enforcement actions against troubled properties in the City Of Destin

This item to be rescheduled at a later date.

2. Update on a Destin City Center

Item discussed earlier in the meeting.

I. Land Use Attorney

J. City Attorney

7. PUBLIC COMMENTS

The mayor offered his apology for not allowing Mr. Mike Buckingham to address issues relating to the Capt. Royal Melvin Heritage Park, when it was discussed earlier in the meeting, and by making some assumptions he now believes he should not have made.

Mr. Mike Buckingham noted that as the person hired to oversee construction of Capt. Royal Melvin Heritage Park, he feels he has the right to protect his integrity and refute the allegations that have been made tonight. However, he was prevented from doing so. He continued that he had found multiple problems during construction of the park, and that he would do just as the mayor suggested to him during the break, which is to put his report in writing, present it to the mayor, and the mayor will relay that information to the council.

Having no further business at this time, the meeting was adjourned 10:10 PM.

Gary Jarvis, Mayor

ATTEST:

Rey Bailey, City Clerk

CITY OF DESTIN



AGENDA ITEM

COUNCIL MEETING DATE: April 4, 2022
TYPE OF AGENDA ITEM: City Manager Report
AGENDA OUTLINE NUMBER: 4.A.

TO: City Council

THRU: Webb Warren, Deputy City Manager
Lance Johnson, City Manager

FROM: Matthew Pace, Director of Information Technology
Lisa Firth, Parks & Rec Director

DATE: 3/30/2022

SUBJECT: Parks and Recreation Software and Customer Portal

I. BACKGROUND: Overview of the new cloud-based Parks and Recreation software and online customer portal.

II. DISCUSSION: Staff has prepared a brief presentation outlining some of the key features of the new, cloud-based parks and recreation software which is currently live for public access. The new website is located at <https://www.cityofdestin.com/reconline>

A. Link to Strategic Goals / Objectives: I. Financially sound city providing service excellence

II. Enhanced quality of life and safety for families

VI. A green and sustainable environment

B. Effect on Budget (EOB): None

C. Level of Service (LOS): Service Excellence

III. CONCLUSION: This new software will give staff the tools they need to provide excellent service to the residents and customers of the City of Destin parks, facilities, and activities.

IV. RECOMMENDED MOTION: None

Attachments:

1. RecOnline Council Presentation - April 2022



Powered by

CIVICREC 

CITY OF DESTIN FLORIDA

PARKS AND RECREATION

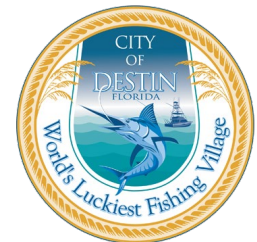
Online Customer Portal

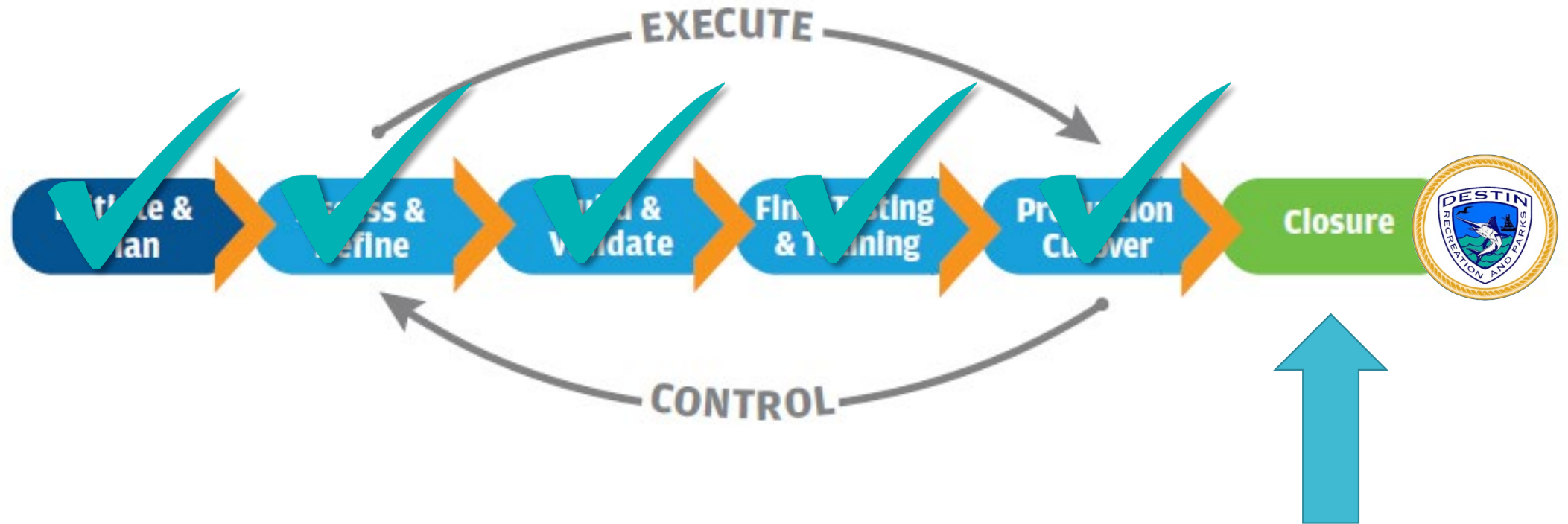
RecOnline Software Implementation

Go Live and System Information

Link to
Strategic Goals

- **I. Financially sound city
providing service excellence**
- **II. Enhanced quality of life and
safety for families**
- **VI. A green and sustainable
environment**







CITY OF DESTIN FLORIDA
PARKS AND RECREATION
Online Customer Portal

Online Access

Cloud-based E-Commerce and Customer Portal



CITY OF DESTIN FLORIDA

PARKS AND RECREATION

Online Customer Portal

[OUR GOVERNMENT](#)[SERVICES](#)[COMMUNITY](#)[CITY HELP DESK](#)[Log In/Create Account](#)[Catalog](#)[Policies](#)[Help](#)

Cart
Empty

[Clear All Filters](#)[Filter](#)[Category](#)☐ Getting Started[Age Group](#)☐ Youth☐ Adult☐ Senior[Days of the Week](#)☐ Mon☐ Tue[Welcome!](#)

1

[Activities](#)

81

[Facility Rentals](#)

28

GETTING STARTED

[Account Verification](#)

Welcome to the City of Destin's online recreation portal! Please complete this step to finish registering your account. After we have verified your information, you will be able to register for other activities online. You only need to do this once after creating your account online. This is good for all members of the same household.

[ID Upload](#)

Location TBD

All Ages

TBD

Open

Time TBD

\$0

Please upload a valid copy of your drivers license. Please contact our Parks and Recreation Department at 850-650-1241 with any questions.

Activity Account Verification

Session ID Upload

An account is required to register for this



Log In/Create Account ▾ Catalog

Policies Help

Cart
Empty

[Clear All Filters](#)

Filter

Keyword or code... ✕

Category

☐ Getting Started

Age Group

☐ Youth

☐ Adult

☐ Senior

Days of the Week

☐ Mon

☐ Tue

☐ Wed

☐ Thu

☐ Fri

☐ Sat

☐ Sun

Welcome! 1

Activities 81

Facility Rentals 28

GETTING STARTED

[Account Verification](#) ✕

Welcome to the City of Destin's online recreation portal! Please complete this step to finish registering your account. After we have verified your information, you will be able to register for other activities online. You only need to do this once after creating your account online. This is good for all members of the same household.

ID Upload

Location TBD

All Ages

TBD

Open

Time TBD

\$0

Please upload a valid copy of your drivers license. Please contact our Parks and Recreation Department at 850-650-1241 with any questions.

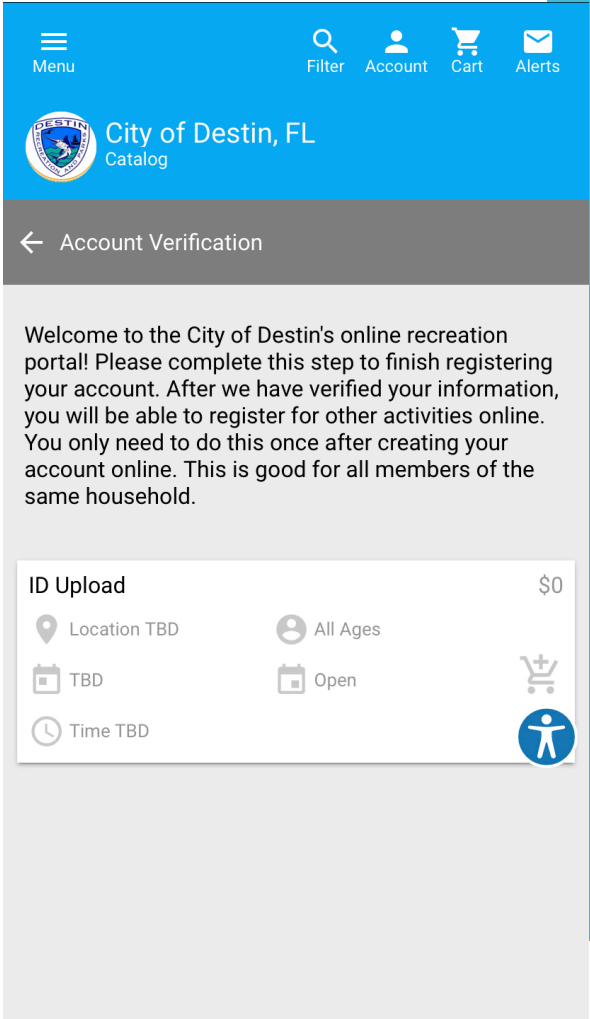
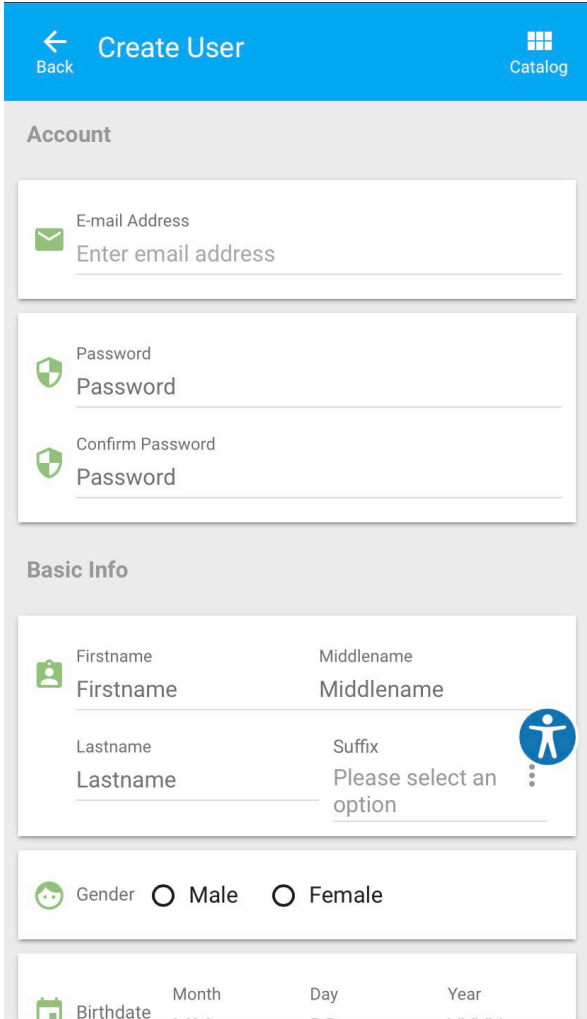
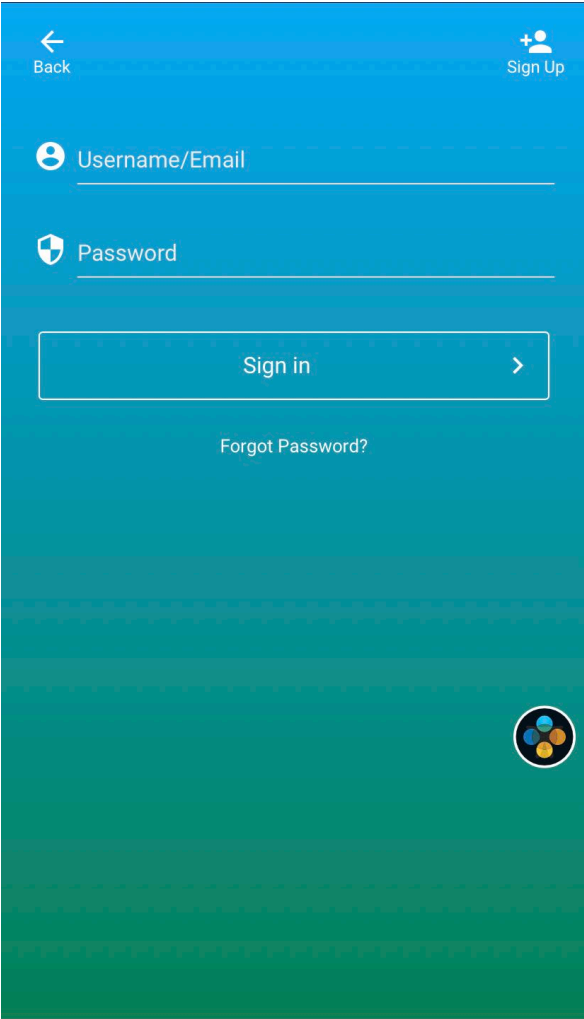
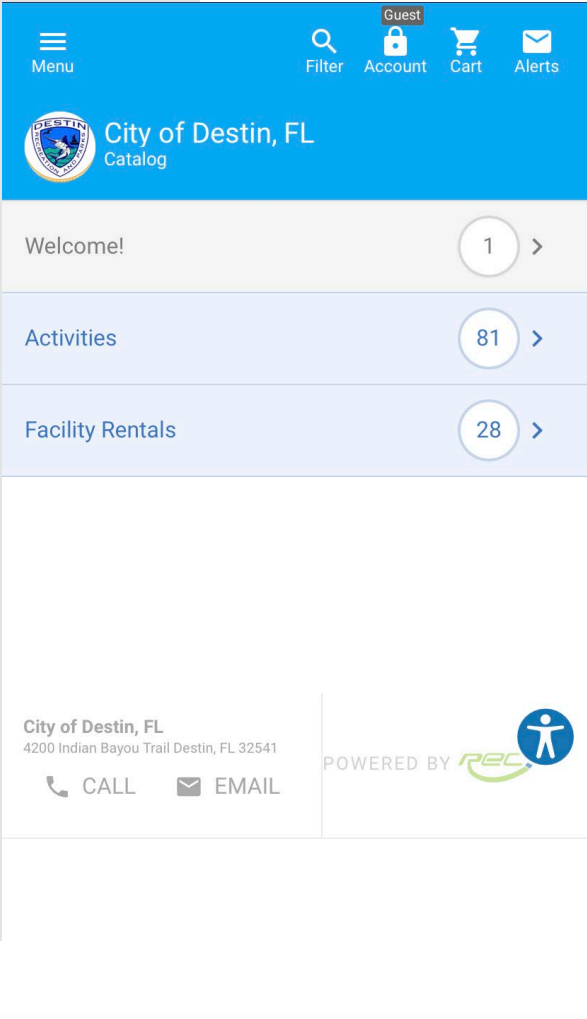
Activity	Account Verification
Session	ID Upload
Location	Location TBD
Date Range	Year-round
Days	TBD
Age/Gender	All Ages
Fee	\$0.00
Registration	Open

An account is required to register for this program or activity.

CREATE ACCOUNT

LOG IN

Smartphone Ready and Easily Accessible





GeoRules Configured

Determines Residency
and Non-Residency
Customer Status



County GIS Integration

Used by the backend
when creating accounts,
activities and facilities.

GIS Features



CITY OF DESTIN FLORIDA
PARKS AND RECREATION
Online Customer Portal

Parks and Recreation

Enhancements and Improvements

Features and Enhancements

- New software will allow an easy transition to online registrations for programs & facility management.
 - Activities
 - Special events
 - Classes
 - Leagues
 - Outreach for Volunteer Opportunities
- Improve Parks and Recreation Services to Our Community
- Advanced access & control to notify our customers for upcoming events
 - Upcoming Deadlines
 - Information Dissemination
 - Cancellations Due to Weather
- Provide better survey platform
 - Post-program feedback is vital to run successful programs

Features and Enhancements

- Enhanced Marketing Tool
 - Promote our upcoming programs
- Mobile friendly
 - Website formatted for smartphones and tablets.
- Annual Pass Management
- League Management
- **Access From Anywhere!**

We are very excited for this new transition, it will something new for everyone, but we are here to help the best we can every step of the way.

”



CITY OF DESTIN FLORIDA
PARKS AND RECREATION
Online Customer Portal

Available Now

Staff and Customer Access



Internal Processes

As RecOnline is in live production, staff will continue to monitor applications, processes, and data.



External Use

Citizens will have access to account information, online activities and facility rentals. Parks and Recreation staff are ready to assist customers with support.

GO LIVE!



CITY OF DESTIN FLORIDA

PARKS AND RECREATION

Online Customer Portal

The Customer Portal URL is Live Now

www.cityofdestin.com/RecOnline

CREATE YOUR ACCOUNT TODAY!

Scan Now
to Access
RecOnline





CITY OF DESTIN FLORIDA

PARKS AND RECREATION

Online Customer Portal

Thank you

CITY OF DESTIN



AGENDA ITEM

COUNCIL MEETING DATE: April 4, 2022
TYPE OF AGENDA ITEM: City Manager Report
AGENDA OUTLINE NUMBER: 4.B.

TO: City Council

THRU: Jeffrey Cozadd, Grants Manager
Krystal Strickland, Finance Director
Webb Warren, Deputy City Manager
Lance Johnson, City Manager

FROM: Matthew Pace, Director of Information Technology

DATE: 3/4/2022

SUBJECT: Tyler Technologies SaaS (Cloud) Migration

I. BACKGROUND: During the 2022 Visioning session, Information Technology recommended the option of migrating all Tyler Technologies to a cloud-based, hosted solution. The Software as a Service (SaaS) model is beneficial to the productivity of city staff and allows greater support and less strain on internal resources. These cloud-based platforms will allow for services to be moved off-site and maintained by Tyler Technologies with IT acting as a support conduit.

II. DISCUSSION: The hosted solutions provided by Tyler Technologies have become more advanced, making these services better suited for municipalities to provide excellence in service and provide better protected resources. Many of the platforms currently utilized by the city outside of Tyler Technologies have already been migrated to the Software as a Service (SaaS) model with great success. These include our office productivity suite, civic services, parks and recreation services, IT help desk, and meeting agenda system. IT recommends the same structure for Tyler Technology platforms that are utilized by the city and various departments.

Current Programs:

- Munis (Finance)
- EnerGov (Community Development and Code Compliance)

Future Implementations:

- Tyler Enterprise Asset Management (Public Works and Finance)
- Tyler 311/Incident Management (Community Development, Code Compliance, City Manager's Office, and Public Works)

Key Points:

Improved support and infrastructure for the Compass and Munis System:

- Less strain on IT staff resources
- 3rd Party Cloud Server Maintenance by Tyler Technologies and their SaaS team.
- IT can act as a support conduit to Tyler Technologies for various departments
- Network Security Monitored by a 24/7 Security Operations Center (SOC) with Direct Access to IT Security Team
- Removal of on-site servers related to current Tyler applications relieving strained network resources
- Cloud Access assists with Remote Access for staff and minimizes application troubleshooting by IT staff
- IT will maintain control of version upgrades to allow for greater compatibility with current ICT infrastructure

Cybersecurity and maintenance of critical network infrastructure is a high priority for the IT department and the city. Migrating to SaaS solutions assists in these efforts to maintain greater availability.

Due to the migration of the SaaS solutions, the city will be upgraded to the latest version of Munis and EnerGov. With the Munis upgrade, a big benefit will be the inclusion of Tyler's Upgrade Management Assistance at no additional charge. This is a \$6400 savings for the city. Information on the Planned Annual Continuing Education (PACE) program is attached. EnerGov training would be at an additional cost in the amount of \$8695 which will cover the training necessary for the upgrade to the latest SaaS version.

A. Link to Strategic Goals / Objectives: Strategic Goal 1: Financially Sound City Providing Service Excellence

B. Effect on Budget (EOB): According to the final rule for the American Rescue Plan Act, this use of funds would be considered eligible under the revenue replacement category and the broadband infrastructure improvement category. The City of Destin was allocated \$1,581,098 in direct funding from ARPA through the U.S. Treasury. The city received \$790,549 of this award in June of 2021. We expect the remaining \$790,549 to be sent to the city sometime this summer. The FY2022 adopted budget included \$790,000 of ARPA funds to be expended on eligible projects this fiscal year. The total cost to encumber

The on-site server license necessary to operate Tyler Detect is estimated at approximately \$8,000 and is a one-time license fee through Microsoft.

The total cost of included quotes: \$429,535

Microsoft	8,000.00
Tyler Software	26,171.00
Tyler Annual	16,455.00
Tyler Svcs	54,052.00
Tyler Direct	10,000.00
Tyler Energov Training (32 hours)	8,695.00
Tyler Year 1 SaaS	105,400.00
	220,773.00
Tyler Year 2 SaaS	100,381.00
Tyler Year 3 SaaS	100,381.00
Total to Tyler	421,535.00
Project Total	429,535.00

The total effect on FY 2022 Budget is:

	TOTAL
30553833-565000-ARP	
ARPA Grant-Capital Project-ARPA Projects	\$ 790,000
FY22 Adopted Budget	790,000
Previous Expenses/Encumbrances	-
Available Program Budget	790,000
This Agreement +(-)	\$ (429,535)
FY22 Remaining Program Budget	\$ 360,465

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

III. CONCLUSION: The total cost of the included quotes is \$429,535. This includes approximately \$421,535 for a three-year Software as a Service contract with Tyler Technology and up to \$8000 to Microsoft for an on-site server license.

IV. RECOMMENDED MOTION: I move to allow the City Manager to engage in contract acceptance with Tyler Technologies to migrate platforms to a cloud solution with a not to exceed amount of \$429,535.

Attachments:

1. Munis Upgrade Management Assistance Flyer
2. Tyler Enterprise Asset Management

(EAM) SaaS

3. Tyler Munis and EnerGov SaaS 2022
4. Tyler Detect Cybersecurity Quote
5. Destin EnerGov HTML Training
Remote

Upgrade Management Assistance

Tyler's Planned Annual Continuing Education (PACE) program is designed to support Munis® clients committed to continual work process improvements by adopting new features and technical enhancements delivered as part of each Munis release. As a PACE program member, clients receive PACE days focused on continuing education. PACE days may also be used to help with activities that are performed on a more routine basis such as year-end close, 1099s and W2s, and budget preparation.

Through upgrade project management assistance, a client can now utilize PACE days for assistance with upgrade project management. With this service, the PACE project manager will work with the client to create and manage a project plan for a successful upgrade. Any client may take advantage of this offering. While enrollment in the PACE program is not required, it does provide a great opportunity for clients to purchase upgrade training at a discounted rate.

- The PACE project manager will work with the client to understand the training needs of the organization and design a training plan for the upgrade. There will be a minimum, four-month service engagement (two days per month) for upgrade assistance – three months for testing and one month of post-live assistance.
- Existing PACE clients can utilize eight PACE days (minimum) for upgrade assistance. Additional days may be purchased, once per year, if an existing PACE client does not have enough PACE days left in their annual cycle. The client would purchase the add-on days for this specific need without effecting the days included in their annual PACE package.
- If the client has not yet migrated to ReadyForms™, that migration will need to be completed as part of the upgrade project. For most projects, this will involve an additional three months. Upgrade project management assistance can be utilized to help the client with the migration process.

As part of upgrade project management assistance, the project manager will deliver a comprehensive statement of work, a project plan to include a refresh schedule for all associated Tyler products, and bi-weekly status meetings to ensure program success.

Note: PACE is available to clients who are live on Munis with active annual maintenance agreements. PACE plans do not include travel costs. PACE days can only be used on modules that have been fully implemented. PACE days expire and renew every 12 months.

Contact your account representative to learn more about upgrade project management assistance with PACE for Munis.



Quoted By: Cindy Chase
 Quote Expiration: 07/18/22
 Quote Name: Destin - EAM
 Quote Description: EAM Tyler 311 MyCivic

Sales Quotation For:

City of Destin
 4200 Indian Bayou Trl
 Destin FL 32541-4305
 Phone: +1 (850) 837-4242

Tyler Software and Related Services

Description	Qty	License	Hours	Module Total	Year One Maintenance
Civic Services					
Enterprise Service Requests	1	\$ 2,935	40	\$ 2,641	\$ 0
Enterprise Asset Management					
Asset Maintenance	10	\$ 15,150	144	\$ 13,630	\$ 0
Asset Performance	10	\$ 6,000	56	\$ 5,400	\$ 0
GIS	10	\$ 5,000	0	\$ 4,500	\$ 0
		<i>Sub-Total</i>		\$ 26,171	\$ 0
		<i><u>Less Discount</u></i>			<i><u>\$ 0</u></i>
		TOTAL	240	\$ 26,171	\$ 0

Tyler Annual and Related Services

Description	QTY	Imp. Hours	Annual Fee
Civic Services			
Enterprise Service Requests	1	0	\$ 1,115
My Civic	1	32	\$ 6,000

Enterprise Asset Management			
Asset Maintenance	10	0	\$ 5,760
Asset Performance	10	0	\$ 2,280
GIS	10	0	\$ 1,900
Sub-Total:			\$ 17,055
<i>Less Discount:</i>			<i>\$ 600</i>
TOTAL:		32	\$ 16,455

Professional Services

Description	Quantity	Unit Price	Extended Price	Maintenance
Forms Individual Work Order or Pick Ticket Forms	1	\$ 500	\$ 500	\$ 0
Project Management	32	\$ 163	\$ 5,216	\$ 0
Conversions			\$ 4,000	\$ 0
Remote Implementation	272	\$ 163	\$ 44,336	\$ 0
TOTAL			\$ 54,052	\$ 0

Summary	One Time Fees	Recurring Fees
Total Tyler Software	\$ 26,171	\$ 0
Total Annual	\$ 0	\$ 16,455
Total Tyler Services	\$ 54,052	\$ 0
Total Third-Party Hardware, Software, Services	\$ 0	\$ 0
Summary Total	\$ 80,223	\$ 16,455
Contract Total	\$ 96,678	

Unless otherwise indicated in the contract or amendment thereto, pricing for optional items will be held For six (6) months from the Quote date or the Effective Date of the Contract, whichever is later.

Customer Approval: _____

Date: _____

Print Name: _____

P.O.#: _____

All Primary values quoted in US Dollars

Detailed Breakdown of Conversions (Included in Summary Total)

Description	Qty	Unit Price	Unit Discount	Extended Price
Enterprise Asset Management				
AM - Work Order Asset	1	\$ 4,000	\$ 0	\$ 4,000
TOTAL				\$ 4,000

Tyler Software Discount Detail (Excludes Optional Products)

Description	License	Liense Discount	License Net	Maintenance Basis	Year One Maint Discount	Year One Maint Net
Civic Services						
Enterprise Service Requests	\$ 2,935	\$ 294	\$ 2,641	\$ 0	\$ 0	\$ 0
Enterprise Asset Management						
Asset Maintenance	\$ 15,150	\$ 1,520	\$ 13,630	\$ 0	\$ 0	\$ 0
Asset Performance	\$ 6,000	\$ 600	\$ 5,400	\$ 0	\$ 0	\$ 0
GIS	\$ 5,000	\$ 500	\$ 4,500	\$ 0	\$ 0	\$ 0
TOTAL	\$ 29,085	\$ 2,914	\$ 26,171	\$ 0	\$ 0	\$ 0

Tyler Annual Discount Detail (Excludes Optional Products)

Description	Annual Fee	Annual Fee Discount	Annual Fee Net
Civic Services			
Enterprise Service Requests	\$ 1,115	\$ 0	\$ 1,115
My Civic	\$ 6,000	\$ 600	\$ 5,400
Enterprise Asset Management			
Asset Maintenance	\$ 5,760	\$ 0	\$ 5,760
Asset Performance	\$ 2,280	\$ 0	\$ 2,280
GIS	\$ 1,900	\$ 0	\$ 1,900
TOTAL	\$ 17,055	\$ 600	\$ 16,455

Comments

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- License fees for Tyler and third party software are invoiced upon the earlier of (i) deliver of the license key or (ii) when Tyler makes such software available for download by the Client;
- Fees for hardware are invoiced upon delivery;
- Fees for year one of hardware maintenance are invoiced upon delivery of the hardware;
- Annual Maintenance and Support fees, SaaS fees, Hosting fees, and Subscription fees are first payable when Tyler makes the software available for download by the Client (for Maintenance) or on the first day of the month following the date this quotation was signed (for SaaS, Hosting, and Subscription), and any such fees are prorated to align with the applicable term under the Agreement, with renewals invoiced annually thereafter in accord with the Agreement.
- Fees for services included in this sales quotation shall be invoiced as indicated below.
 - Implementation and other professional services fees shall be invoiced as delivered.
 - Fixed-fee Business Process Consulting services shall be invoiced 50% upon delivery of the Best Practice Recommendations, by module, and 50% upon delivery of custom desktop procedures, by module.
 - Fixed-fee conversions are invoiced 50% upon initial delivery of the converted data, by conversion option, and 50% upon Client acceptance to load the converted data into Live/Production environment, by conversion option. Where conversions are quoted as estimated, Tyler will invoice Client the actual services delivered on a time and materials basis.
 - Except as otherwise provided, other fixed price services are invoiced upon complete delivery of the service. For the avoidance of doubt, where "Project Planning Services" are provided, payment shall be invoiced upon delivery of the Implementation Planning document. Dedicated Project Management services, if any, will be invoiced monthly in arrears, beginning on the first day of the month immediately following initiation of project planning.
 - If Client has purchased any change management services, those services will be invoiced in accordance with the Agreement.
 - Notwithstanding anything to the contrary stated above, the following payment terms shall apply to services fees specifically for migrations: Tyler will invoice Client 50% of any Migration Fees listed above upon Client approval of the product suite migration schedule. The remaining 50%, by line item, will be billed upon the go-live of the applicable product suite. Tyler will invoice Client for any Project Management Fees listed above upon the go-live of the first product suite. Unless otherwise indicated on this Sales quotation, annual services will be invoiced in advance, for annual terms commencing on the date this sales quotation is signed by the Client. If listed annual service(s) is an addition to the same service presently existing under the Agreement, the first term of the added annual service will be prorated to expire coterminous with the existing annual term for the service, with renewals to occur as indicated in the Agreement.
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Tyler's prices do not include applicable local, city or federal sales, use excise, personal property or other similar taxes or duties, which you are responsible for determining and remitting. Installations are completed remotely but can be done onsite upon request at an additional cost.

In the event Client cancels services less than two (2) weeks in advance, Client is liable to Tyler for (i) all non-refundable expenses incurred by Tyler on Client's behalf; and (ii) daily fees associated with the cancelled services if Tyler is unable to re-assign its personnel.

Implementation hours are scheduled and delivered in four (4) or eight (8) hour increments.

Tyler provides onsite training for a maximum of 12 people per class. In the event that more than 12 users wish to participate in a training class or more than one occurrence of a class is needed, Tyler will either provide additional days at then-current rates for training or Tyler will utilize a Train-the-Trainer approach whereby the client designated attendees of the initial training can thereafter train the remaining users.

Standard Project Management responsibilities include project plan creation, initial stakeholder presentation, bi-weekly status calls, updating of project plan task statuses, and go-live planning activities.

Munis and EnerGov SaaS Quote

TO: Destin, FL
FROM: Cindy Chase, Account Representative
DATE: 01/26/22
RE: Munis and EnerGov

PHONE:
FAX:
EMAIL:
ACCT:

Quote expires: 90 days
Concurrent users: 20

	Description	Annual SaaS Market Value	Destin Annual SaaS Price
	ACCTG/GL/BUDGET/AP	\$ 23,300.00	\$ 7,797.00
	FIXED ASSETS	\$ 4,400.00	\$ 2,239.00
	INVENTORY	\$ 4,400.00	\$ 2,239.00
	PROJECT ACCOUNTING	\$ 3,300.00	\$ 1,629.00
	PURCHASE ORDERS	\$ 4,400.00	\$ 2,239.00
	REQUISITIONS	\$ 2,750.00	\$ 1,524.00
	TREASURY MANAGEMENT	\$ 2,750.00	\$ 1,524.00
	PAYROLL	\$ 16,300.00	\$ 7,075.00
	HUMAN RESOURCES MANAGEMENT	\$ 14,400.00	\$ 5,274.00
	ACCOUNTS RECEIVABLE	\$ 3,850.00	\$ 2,133.00
	GENERAL BILLING	\$ 2,850.00	\$ 1,130.00
	BUSINESS LICENSES	\$ 4,300.00	\$ 2,009.00
	MUNIS OFFICE	\$ 2,750.00	\$ 1,524.00
	TYLER CONTENT MANAGER SE	\$ 9,000.00	\$ 5,000.00
	TYLER FORMS	\$ 7,500.00	\$ 2,000.00
	ENERGOV ADV SERVER EXTENSIONS BUNDLE	\$ 8,000.00	\$ 3,004.00
	ENERGOV BUSINESS MANAGEMENT	\$ 7,500.00	\$ 3,003.00
	ENERGOV CITIZEN SELF SERVICE - BUSINESS	\$ 8,000.00	\$ 3,004.00
	ENERGOV CITIZEN SELF SERVICE - COMMUNITY DEVELOPMENT	\$ 8,000.00	\$ 3,004.00
	ENERGOV COMMUNITY DEVELOPMENT SUITE	\$ 30,000.00	\$ 11,015.00
	ENERGOV E-REVIEWS	\$ 15,000.00	\$ 6,007.00
	ENERGOV GIS	\$ 10,000.00	\$ 4,005.00
	ENERGOV IG WORKFORCE APPS	\$ 3,500.00	\$ 1,202.00
	ENERGOV REPORT TOOLKIT	\$ 2,000.00	\$ 801.00
	20 Concurrent Users		\$ 20,000.00
		\$ 198,250.00	\$ 100,381.00

3 Year SaaS Contract

		SaaS Price
Year 1	Total Annual Solution Year 1	100,381.00
Year 2	Total Annual Solution Year 2	100,381.00
Year 3	Total Annual Solution Year 3	100,381.00
	Total 3 Year Contract	301,143.00

Annual Payment	\$	100,381
One Time Project Management fee	\$	5,019
Total First Annual Payment	\$	105,400

Destin
SaaS & Self-Hosted Cost Comparison

	Year 1	Year 2	Year 3		
Tyler Software	\$ -	\$ -	\$ -		
Consulting	\$ -	\$ -	\$ -		
Conversions	\$ -	\$ -	\$ -		
Training	\$ -	\$ -	\$ -		
Installation	\$ -	\$ -	\$ -		
System Software	\$ -	\$ -	\$ -		
System Software Maintenance	\$ 950	\$ 950	\$ 950		
Tyler Maintenance	\$ 46,245	\$ 48,557	\$ 50,985	5% increase /year	
TSM (OSDBA) Support	\$ 5,734	\$ 6,021	\$ 6,322	5% increase /year	
Disaster Recovery	\$ 11,561	\$ 12,139	\$ 12,746	5% increase /year	
Total Direct Tyler	\$ 64,490	\$ 67,667	\$ 71,003		
Internal IT FTE*	\$ 31,200	\$ 31,200	\$ 31,200		
<u>Server Equipment**</u>	<u>\$ 10,000</u>	<u>\$ 10,000</u>	<u>\$ 10,000</u>		
Total Self-Hosted for City	\$ 105,690	\$ 108,867	\$ 112,203	3 Year Total \$ 326,760	Ave Annual Cost \$108,920
SaaS Annual Fee	\$ 100,381	\$ 100,381	\$ 100,381		
Project Management Fee	<u>\$ 5,019</u>				
Total SaaS	\$ 105,400	\$ 100,381	\$ 100,381	3 Year Total \$ 306,162	Ave Annual Cost \$102,054

* 10 hour per week at \$60.00/hour fully loaded salary

** Server based on \$30,000 in server related equipment depreciated over 3 years



Quoted By: Tim Walsh
 Quote Expiration: 07/23/22
 Quote Name: City of Destin, FL-ERP-Tyler Detect

Sales Quotation For:

City of Destin
 4200 Indian Bayou Trl
 Destin FL 32541-4305
 Phone: +1 (850) 837-4242

Tyler Annual and Related Services

Description	QTY	Imp. Hours	Annual Fee
Recurring Services			
Tyler Detect	1	0	\$ 10,000
TOTAL:		0	\$ 10,000

Professional Services

Description	Quantity	Unit Price	Extended Price	Maintenance
Install Fee - Tyler Detect	1	\$ 1,000	\$ 1,000	\$ 0
TOTAL			\$ 1,000	\$ 0

Summary

Total Tyler Software

One Time Fees

\$ 0

Recurring Fees

\$ 0

Total Annual	\$ 0	\$ 10,000
Total Tyler Services	\$ 1,000	\$ 0
Total Third-Party Hardware, Software, Services	\$ 0	\$ 0
Summary Total	\$ 1,000	\$ 10,000
Contract Total	\$ 11,000	

Optional Tyler Annual and Related Services

Description	Qty	Imp. Hours	Annual Fee
Additional			
Comprehensive Preparedness Subscription	1	0	\$ 50,000
Cybersecurity Awareness Subscription	1	0	\$ 9,900
Ransomware and Audit Readiness Subscription	1	0	\$ 25,000
TOTAL:		0	\$ 84,900

Tyler Annual Discount Detail (Excludes Optional Products)

Description	Annual Fee	Annual Fee Discount	Annual Fee Net
Recurring Services			
Tyler Detect	\$ 10,000	\$ 0	\$ 10,000
TOTAL	\$ 10,000	\$ 0	\$ 10,000

Comments

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Implementation hours are scheduled and delivered in four (4) or eight (8) hour increments.

Tyler provides onsite training for a maximum of 12 people per class. In the event that more than 12 users wish to participate in a training class or more than one occurrence of a class is needed, Tyler will either provide additional days at then-current rates for training or Tyler will utilize a Train-the-Trainer approach whereby the client designated attendees of the initial training can thereafter train the remaining users.

Cybersecurity Awareness Subscription:

The Cybersecurity Awareness Subscription is an annual subscription that includes bundle of services that provides clients with the ability to improve the organization's security posture. The threat landscape is evolving; thus, these engagements should be conducted yearly. The annual subscription commences upon your order date, and the year one annual fee is invoiced in advance. The annual subscription will renew automatically thereafter, at Tyler's then-current rate, unless Tyler or the Client provide written notice of intent not to renew at least thirty (30) days preceding the subscription renewal date. The client and assigned project manager will collaborate to schedule these specific services during the subscription term. Any services not scheduled during an annual term will expire. Tyler will communicate adjustments to the bundled services included with the subscription at least sixty (60) days prior to a subscription renewal date.

Scope of work:

- Tyler Detect Trial
 - You will receive a free fourteen (14) day trial period (the "Trial Period") of Tyler Detect, beginning with the commencement of your subscription. The Trial Period terminates after fourteen (14) days unless you provide written confirmation that you wish to receive Tyler Detect for the balance of the year one subscription term at the Tyler Detect annual rate indicated by Tyler. If your written confirmation is received before the end of the Trial Period, we will waive the installation fee for Tyler Detect.
- Acceptable Use Agreement with Data Handling Matrix
 - Document created by a Cybersecurity Advisor
 - Includes a 1-hour consultation with project resource

- Cybersecurity Training
 - Two days, consisting of up to three one-hour sessions delivered live via remote session
- Email Phishing Campaign
 - 2 themed Phishing Campaigns administered by Tyler Cybersecurity Professional
 - Single Report Deliverable
- Annual Leadership Meeting / Training
 - 1-Hour Remote presentation to site leadership highlighting
 - Current Threat Landscape
 - Progress/update of cybersecurity engagements
 - Q&A with Cybersecurity Advisor

Ransomware and Audit Preparedness Package:

The Cybersecurity Awareness Subscription is an annual subscription that includes bundle of services that provides clients with the ability to improve the organization's security posture. The threat landscape is evolving; thus, these engagements should be conducted yearly. The annual subscription commences upon your order date, and the year one annual fee is invoiced in advance. The annual subscription will renew automatically thereafter, at Tyler's then-current rate, unless Tyler or the Client provide written notice of intent not to renew at least thirty (30) days preceding the subscription renewal date. The client and assigned project manager will collaborate to schedule these specific services during the subscription term. Any services not scheduled during an annual term will expire. Tyler will communicate adjustments to the bundled services included with the subscription at least sixty (60) days prior to a subscription renewal date.

- Tyler Detect Trial
 - You will receive a free fourteen (14) day trial period (the "Trial Period") of Tyler Detect, beginning with the commencement of your subscription. The Trial Period terminates after fourteen (14) days unless you provide written confirmation that you wish to receive Tyler Detect for the balance of the year one subscription term at the Tyler Detect annual rate indicated by Tyler. If your written confirmation is received before the end of the Trial Period, we will waive the installation fee for Tyler Detect.
- External Penetration Test w/ Vulnerability Scan
 - Maximum of 256 external IP addresses scanned; with up to 10 active hosts
 - Additional hosts can be scanned and tested at an additional charge
 - A report including methodology and findings will be provided
- Internal Vulnerability Scan
 - Maximum of 2,048 internal IP addresses scanned from a single scanner (remote box) connected to a single network location.
 - Maximum of 1,000 active hosts
 - Additional hosts can be scanned at an additional charge
 - A report including methodology and findings will be provided
- Incident Response Plan Creation/Update
 - Tyler Cybersecurity advisor will prepare a comprehensive Incident Response plan
 - The engagement will include a two-hour phone consultation

- Incident Response Plan Tabletop Exercise
 - Two-hour virtual exercise conducted by Tyler Cybersecurity Advisor with site leadership
 - Tyler Resource will provide after action report
- Information Security Policy Set Creation/Update
 - Includes:
 - Acceptable Use Agreement with Data Handling Matrix
 - Information Security Program
 - This engagement will include a two-hour phone consultation
- Cybersecurity Training
 - One day consisting of up to three one-hour sessions delivered live via remote session
- Quarterly One Hour Call with a Tyler Cybersecurity Advisor
 - Client can request topic of conversation including but not limited to:
 - Report Findings
 - Threat Landscape
 - Risk Mitigation
 - A summary will be provided to the site following the call
- Annual Leadership Meeting / Training
 - 1-Hour Remote presentation to site leadership highlighting
 - Current Threat Landscape
 - Progress/update of cybersecurity engagements
 - Q&A with Cybersecurity Advisor

Comprehensive Cybersecurity Subscription:

The Cybersecurity Awareness Subscription is an annual subscription that includes bundle of services that provides clients with the ability to improve the organization's security posture. The threat landscape is evolving; thus, these engagements should be conducted yearly. The annual subscription commences upon your order date, and the year one annual fee is invoiced in advance. The annual subscription will renew automatically thereafter, at Tyler's then-current rate, unless Tyler or the Client provide written notice of intent not to renew at least thirty (30) days preceding the subscription renewal date. The client and assigned project manager will collaborate to schedule these specific services during the subscription term. Any services not scheduled during an annual term will expire. Tyler will communicate adjustments to the bundled services included with the subscription at least sixty (60) days prior to a subscription renewal date.

- Tyler Detect Trial
 - You will receive a free fourteen (14) day trial period (the "Trial Period") of Tyler Detect, beginning with the commencement of your subscription. The Trial Period terminates after fourteen (14) days unless you provide written confirmation that you wish to receive Tyler Detect for the balance of the year one subscription term at the Tyler Detect annual rate indicated by Tyler. If your written confirmation is received before the end of the Trial Period, we will waive the installation fee for Tyler Detect.

- External Penetration Test w/ Vulnerability Scan
 - Maximum of 256 external IP addresses scanned; with up to 10 active hosts
 - Additional hosts can be scanned and tested at an additional charge
 - A report including methodology and findings will be provided
- Internal Configuration and Vulnerability Assessment (CAVA)
 - Maximum of 2,048 internal IP addresses scanned from a single scanner (remote box) connected to a single network location.
 - Maximum of 500 active hosts
 - Additional hosts can be scanned at an additional charge
 - Authenticated scans are limited to devices that can be authenticated to via a single (Windows Active Directory domain) user account
 - A report including methodology and findings will be provided
- Incident Response Plan Creation/Update
 - Tyler Cybersecurity advisor will prepare a comprehensive Incident Response plan
 - The engagement will include a two-hour phone consultation
- Incident Response Plan Tabletop Exercise
 - Two-hour virtual exercise conducted by Tyler Cybersecurity Advisor with site leadership
 - Tyler Resource will provide after action report
- Information Security Policy Set Creation/Update
 - Includes:
 - Acceptable Use Agreement with Data Handling Matrix
 - Information Security Program
 - This engagement will include a two-hour phone consultation
- Email Phishing Campaign
 - 2 themed Phishing Campaigns administer by Tyler Cybersecurity
 - Single Report Deliverable
- IT Risk Assessment
 - Interviews conducted by Tyler Cybersecurity Advisor
 - IT Risk Assessment will be draft and delivered by Tyler Cybersecurity Advisor
- Business Impact Analysis (BIA)
 - Interviews conducted by Tyler Cybersecurity Advisor
 - Work Tyler Cybersecurity resource to identify critical systems
 - Report will call out:
 - System Criticality
 - Tolerance for System Downtime
 - Restoration procedure/ability
- Cybersecurity Training
 - One day consisting of up to three one-hour sessions delivered live via remote session

- Monthly One Hour Call with a Tyler Cybersecurity Advisor
 - Client can request topic of conversation including but not limited to:
 - Report Findings
 - Threat Landscape
 - Risk Mitigation
 - A summary will be provided to the site following the call
- Annual Leadership Meeting / Training
 - 1-Hour Remote presentation to site leadership highlighting
 - Current Threat Landscape
 - Progress/update of cybersecurity engagements
 - Q&A with Cybersecurity Advisor

For the avoidance of doubt, Tyler Detect is a subscription service, not SaaS. Notwithstanding the foregoing language, payment of annual subscription fees for Tyler Detect commence on the availability of the service. Tyler Detect services will renew automatically for additional one (1) year terms, and subsequent subscription fees are due annually in advance on the anniversary of the availability date at our then-current rates. Pricing is based on client's current network size as defined by their entity size. Any material increases of network size may result in additional fees being assessed for the Tyler Detect service upon renewal. The quoted Tyler Detect amount does not include monitoring of student devices nor analysis of student network traffic. Tyler can quote an additional fee for these services.



Quoted By: Cindy Chase
Quote Expiration: 09/21/22
Quote Name: Destin - EnerGov 2021 HTML Training
Quote Description: EnerGov 2021 HTML Training Remote

Sales Quotation For:

City of Destin
4200 Indian Bayou Trl
Destin FL 32541-4305
Phone: +1 (850) 837-4242

Professional Services

Description	Quantity	Unit Price	Extended Price	Maintenance
HTML APP Training	32	\$ 185	\$ 5,920	\$ 0
Project Management	2	\$ 185	\$ 370	\$ 0
Trainer Prep	8	\$ 185	\$ 1,480	\$ 0
Video Conversion	5	\$ 185	\$ 925	\$ 0
TOTAL			\$ 8,695	\$ 0

Summary

One Time Fees

Recurring Fees

Total Tyler Software	\$ 0	\$ 0
Total Annual	\$ 0	\$ 0
Total Tyler Services	\$ 8,695	\$ 0
Total Third-Party Hardware, Software, Services	\$ 0	\$ 0

Summary Total	\$ 8,695	\$ 0
Contract Total	\$ 8,695	

Unless otherwise indicated in the contract or amendment thereto, pricing for optional items will be held
For six (6) months from the Quote date or the Effective Date of the Contract, whichever is later.

Customer Approval: _____ Date: _____

Print Name: _____ P.O.#: _____

All Primary values quoted in US Dollars

Comments

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- Fees for year one of hardware maintenance are invoiced upon delivery of the hardware;
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The Implementation Hours included in this quote assume a work split effort of 70% Client and 30% Tyler.

Implementation Hours are scheduled and delivered in four (4) or eight (8) hour increments.

Tyler provides onsite training for a maximum of 12 people per class. In the event that more than 12 users wish to participate in a training class or more than one occurrence of a class is needed, Tyler will either provide additional days at then-current rates for training or Tyler will utilize a Train-the-Trainer approach whereby the client designated attendees of the initial training can thereafter train the remaining users.

Standard Project Management responsibilities include project plan creation, initial stakeholder presentation, bi-weekly status calls, updating of project plan task statuses, and go-live planning activities.

CITY OF DESTIN



AGENDA ITEM

COUNCIL MEETING DATE: April 4, 2022
TYPE OF AGENDA ITEM: Announcement
AGENDA OUTLINE NUMBER: 4.C.

TO: City Council

THRU:

FROM:

DATE:

SUBJECT: Announcements

I. BACKGROUND:

II. DISCUSSION:

- A. Link to Strategic Goals / Objectives:**
- B. Effect on Budget (EOB):**
- C. Level of Service (LOS):**

III. CONCLUSION:

IV. RECOMMENDED MOTION:

Attachments:

None

CITY OF DESTIN



AGENDA ITEM

COUNCIL MEETING DATE: April 4, 2022
TYPE OF AGENDA ITEM: Action Item
AGENDA OUTLINE NUMBER: 5.A.

TO: City Council

THRU: Lance Johnson, City Manager

FROM: Louis Zunguze, Community Development Director
Kimberly Kopp, Land Use Attorney

DATE: February 11, 2022

SUBJECT: THIS ITEM HAS BEEN CONTINUED TO THE FOLLOWING TIME AND DATE CERTAIN, AT THE REQUEST OF THE APPLICANT: MONDAY, MAY 16TH AT 6PM, OR AS SOON THEREAFTER AS MAY REASONABLY BE HEARD.

Indian Bayou West 1st Amendment – Curtis Gwin of Indian Bayou West, LLC, on behalf of Indian Bayou Properties, is requesting approval for a Major Deviation to a Major Development Order. The project is located at 1 Country Club Dr. E. (Parcel ID: 00-2S-22-0000-0046-0000), with the property totaling approximately 69.16 acres. The applicant is proposing an addition of 9 lots to the previously approved 86 single-family, long-term residential lots (approved under DO 21-12), for a total of 95 lots, utilizing the same project area. This project was previously reviewed by the City Council on January 3, 2022, but the request has been modified since that time. The proposed deviation is an amendment to the previous submittal.

I. BACKGROUND: THIS ITEM HAS BEEN CONTINUED TO THE FOLLOWING TIME AND DATE CERTAIN, AT THE REQUEST OF THE APPLICANT: MONDAY, MAY 16TH AT 6PM, OR AS SOON THEREAFTER AS MAY REASONABLY BE HEARD.

Curtis Gwin of Indian Bayou West, LLC, on behalf of Indian Bayou Properties, is requesting approval for a Major Deviation to a Major Development Order. The project is located at 1 Country Club Dr. E. (Parcel ID: 00-2S-22-0000-0046-0000), with the property totaling approximately 69.16 acres. The applicant is proposing an addition of 9 lots to the previously approved 86 single-family, long-term residential lots (approved under DO 21-12), for a total of 95 lots, utilizing the same project area.

II. DISCUSSION: COMPREHENSIVE PLAN/ZONING

The property has a Future Land Use Map Designation of Low Density Residential (LDR) and a zoning designation of Low Density Residential – Village (LDR-V). The proposed project is consistent with the Comprehensive Plan and Land Development Code (LDC).

LAND USE

Long-term single-family residential is a permitted use in both the LDR future land use designation and LDR-V zoning district.

DENSITY

Maximum allowed: 5.81 dwelling units per acre per Ordinance 18-23

Provided: 1.37 dwelling units per acre

HEIGHT

Maximum allowed: 35'/3 stories

Provided: 35' – will be addressed in Permitting phase.

PITCHED ROOF

Minimum required: 60%

Provided: No roof pitch information provided – will be addressed in Permitting phase.

FLOOR AREA RATIO

Not applicable

SETBACKS

Front minimum required: 20 feet

Front provided: 30 feet

Side minimum required: 7.5 feet

Side provided: 7.5 feet

Rear minimum required: 10 feet

Rear provided: 10-60 feet

OPEN SPACE

Minimum required: 25%

Provided: 75%

PLATTING

The applicant is requesting preliminary plat approval and has met all submittal requirements.

CONCURRENCY MANAGEMENT

Concurrency requirements have been met:

Traffic: Signed November 11, 2021.

Solid Waste: Signed December 2, 2021.

Potable Water: Signed September 24, 2021.

Sanitary Sewer: Signed September 24, 2021.

Stormwater Management: Signed December 2, 2021.

AIRPORT PROTECTION

Each Residence and Lot is subject to the City of Destin Land Development Code (LDC), referenced specifically are Section 7.15.00, Airport and aircraft zoning regulations and Section 7.15.08 Noise zones established. Each owner within noise zones/noise contours will be required to sign and record with their deed the "Destin Executive Airport Noise Zone Disclosure Statement".

Each parcel that lies within the specified Airport Noise Zone will be required to provide Airport Noise Mitigation strategies as set forth in the Florida Building Code latest edition at the time of development or redevelopment. Each Residence shall not promote any activity on the Lot that would interfere with, or be a hazard to, the flight of aircraft, or that interferes with air navigation and communication facilities serving the Airport.

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, signed and dated November 11, 2021, indicates the proposed development is estimated to generate 99 PM peak hour trips. The analysis is consistent with the technical methodology outlined in LDC 6.05.05.

RIGHT-OF-WAY DEDICATION

The project includes the dedication of approximately 1.77 acres of right-of-way for Old Creek Trail.

INGRESS/EGRESS

Vehicular access to the property is provided by a two-way drive from Indian Bayou public ROW, as well as another proposed access on Commons Drive, just east of Airport Road. This secondary access would operate as a right in/out only.

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 maximum/minimum vehicle parking spaces:	190
Provided vehicle parking spaces:	190
Required minimum bicycle parking spaces:	0
Provided bicycle parking spaces:	0

UTILITIES

All utilities are required to be underground.

STORMWATER

The City Manager's Stormwater designee approved the stormwater plan on December 2,

2021.

REFUSE COLLECTION

All non-construction related dumpsters, trashcans, and recycling bins shall be placed in a solid waste collection area or inside a building.

WHITE SANDS ZONE

The proposed project is not located within any White Sands Zones.

LANDSCAPING

Front perimeter/common boundary: Requirement Met

Interior parking landscape: Not applicable

Buffer zone: Not applicable

Preservation and restoration:

Reforestation trees required: 554

Reforestation credits: 925

Preserved trees to be removed: 85

Replacement trees: 85

Required parking trees: 0

Total required trees: 85

Total trees provided: 85

SIGNS

All signs must comply with the sign code section of the Destin Land Development Code in effect at the time a sign application is submitted.

IMPACT FEES

Impact fees will be determinant upon the gross floor area of each single-family dwelling at the time a Certificate of Occupancy is requested.

OTHER FEES: NONE

COMMENTS

Per Community Development Department:

1. Prior to the issuance of a Clearing Permit, a clearing plan must be submitted and approved by the Community Development Department.
2. Prior to the issuance of a Certificate of Occupancy, all required parking and related landscaping shall be installed, inspected, and approved by the Engineering and Community Development Departments.

A. Link to Strategic Goals / Objectives:

B. Effect on Budget (EOB):

C. Level of Service (LOS):

III. CONCLUSION: With respect to the Major Deviation to a Major Development Order, **2.07.01(B) of the Land Development Code:**

Following the required public notice and hearing, the City Council shall either approve, approve with conditions, approve with modifications, or deny the Community Development staff's recommendation and shall:

1. Determine conformity of the proposed development with the Comprehensive Plan, this Code, other applicable requirements, and the items enumerated above.
2. Hear and address concerns and desires of surrounding landowners and other affected persons.
3. Consider any rule, objective or policy of the Comprehensive Plan or any other criterion applicable to the particular development proposals in formulating its recommendation to either approve or deny the development proposal.
4. If the proposal is approved or approved with conditions, the City Council shall instruct the City Manager, or designee, to authorize the issuance of a development order that complies with **Section 2.08.00**.
5. If the proposal is approved with modifications, a development order may be authorized by the City Manager or his designee once the required modifications have been completed and approved by the appropriate Technical Review Committee (TRC) members.
6. If the proposal is denied based upon the applicant's failure to meet the requirements of this Code in the proposed development plan(s), the application will become null and void, the applicant will lose in-line priority consideration for concurrency. The applicant will have to submit a new application and start the review process over in order to secure consideration for approval of the proposal.

With respect to the preliminary plat application, per **Article 2.09.00(1)**, plats and development plans may be processed simultaneously through the required procedures identified in **Sections 2.07.00 and 2.19.00**.

The City Council should review these criteria and render its decision on the applications in accordance therewith.

The subject project is seeking approval for a 95-lot, long-term single family dwelling subdivision. The previously approved Development Order (DO-21-12) had a density of 1.28 dwelling units/acre. Given that the project, as proposed, utilizes the same subdivision area but adds 9 additional lots, the proposed density is 1.37 dwelling units/acre, which is well under the maximum density of the Low Density Residential – Village (LDR-V) zoning district of 5.81 dwelling units/acre. Provided that the project complies with all components of the Land Development Code and is consistent with the policies and intents of the Comprehensive Plan, Staff recommends approval of Indian Bayou West 1st Amendment, a Major Deviation to a Major Development Order.

IV. RECOMMENDED MOTION: THIS ITEM HAS BEEN CONTINUED TO THE FOLLOWING TIME AND DATE CERTAIN, AT THE REQUEST OF THE

**APPLICANT: MONDAY, MAY 16TH AT 6PM,OR AS SOON THEREAFTER AS
MAY REASONABLY BE HEARD.**

Attachments:

1. 220127_IndianBayouWest95Lots-
SDP-Reduced-Signed
2. 95 Lot - 20-315_Final Plat_REV 1-19-
22-SHEET 4 WETLANDS_v1
3. 95 Lot - 20-315_Final Plat_REV 1-19-
22-SHEET 1_v1
4. 95 Lot - 20-315_Final Plat_REV 1-19-
22-SHEET 2_v1
5. 95 Lot - 20-315_Final Plat_REV 1-19-
22-SHEET 3_v1

SITE DEVELOPMENT PLANS FOR:

INDIAN BAYOU WEST

DESTIN, FLORIDA

Ross S. Binkley

PROFESSIONAL ENGINEER

STATE OF FLORIDA

NO. 56762

ROSS S. BINKLEY

PROFESSIONAL ENGINEER

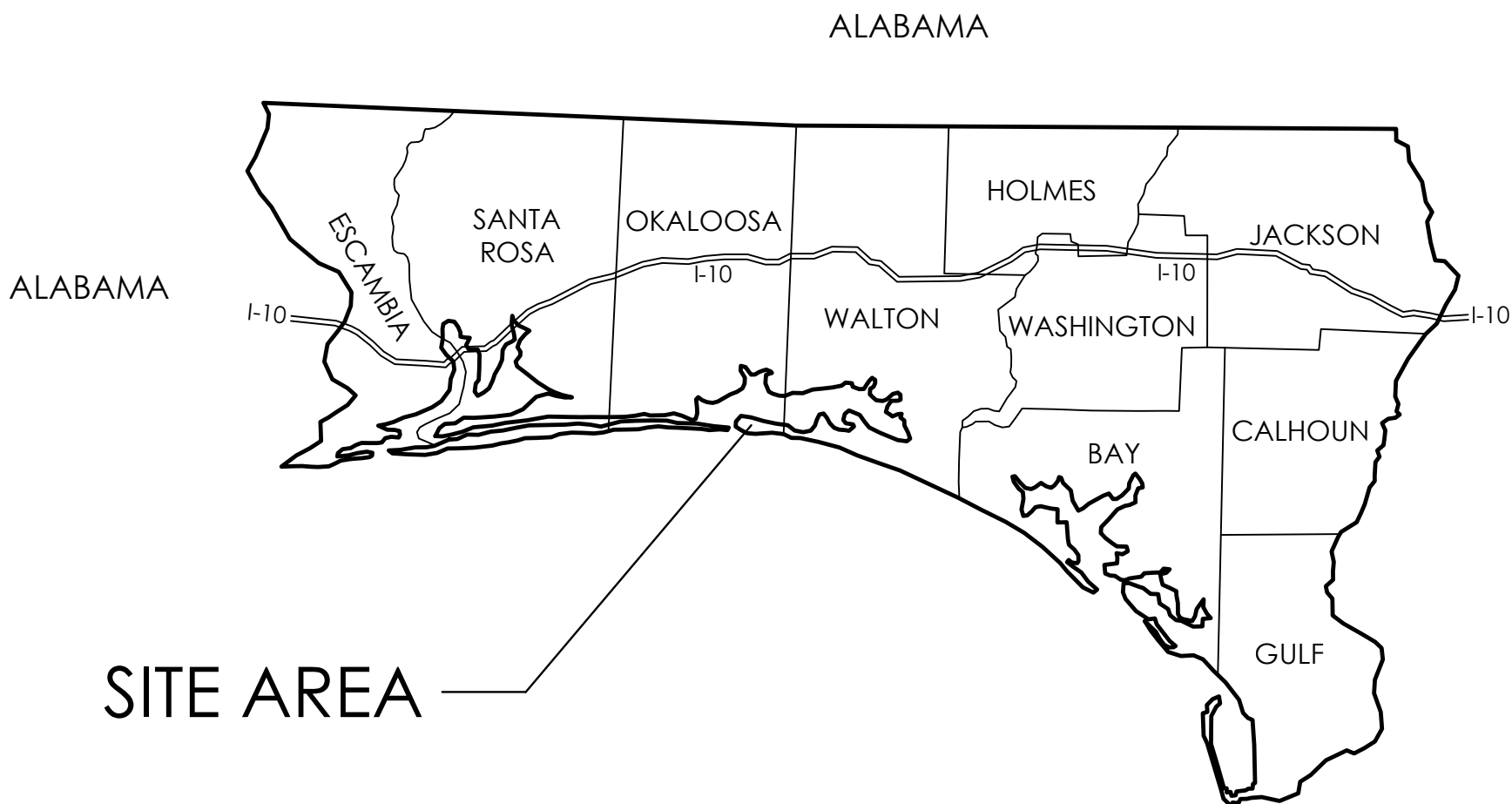
STATE OF FLORIDA

NO. 56762

Digitally signed by Ross S. Binkley
Date: 2022.01.27 09:13:50 -06'00'

This item has been digitally signed and sealed by Ross S. Binkley, P.E. on 1/26/22 using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

AREA MAP:



NORTHWEST FLORIDA

DATE PREPARED:

January 25, 2022

LEGAL DESCRIPTION (AS SURVEYED)

COMMENCE AT THE SOUTHEAST CORNER LOT 4, BLOCK A, HIDDEN PINES, AS RECORDED IN PLAT BOOK 17, PAGE 30, BEING IN AN UNDIVIDED SECTION, TOWNSHIP 2 SOUTH, RANGE 22 WEST, OKALOOSA COUNTY, FLORIDA BEING MARKED BY A 4"x4" CONCRETE MONUMENT; THENCE S 05°07'09" W A DISTANCE OF 760.14 FEET TO 1/2" REBAR WITH CAP STAMPED LBB096 AND ALSO BEING THE POINT OF BEGINNING.

FROM SAID POINT OF BEGINNING, THENCE N 64°51'18" E A DISTANCE OF 466.37 FEET TO A 1/2" REBAR WITH CAP STAMPED #B096; THENCE S 08°40'00" E A DISTANCE OF 90.88 FEET TO A 1/2" REBAR WITH CAP STAMPED #B096; THENCE S 05°18'32" W A DISTANCE OF 41.45 FEET TO A 1/2" REBAR WITH CAP STAMPED #B096; THENCE S 18°09'03" E A DISTANCE OF 125.78 FEET TO A 1/2" REBAR WITH CAP STAMPED #B096; THENCE S 18°18'51" W A DISTANCE OF 31.98 FEET TO A 1/2" REBAR WITH CAP STAMPED #B096; THENCE S 63°20'12" W A DISTANCE OF 6.78 FEET TO A 1/2" REBAR WITH CAP STAMPED #B096; THENCE S 20°20'20" W A DISTANCE OF 37.71 FEET TO A 5/8" REBAR WITH CAP STAMPED #7350; THENCE S 04°51'58" W A DISTANCE OF 334.04 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 12°10'48" W A DISTANCE OF 431.72 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 02°04'04" W A DISTANCE OF 301.29 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 80°12'53" E A DISTANCE OF 49.86 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 82°55'24" E A DISTANCE OF 25.89 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE N 89°26'20" E A DISTANCE OF 67.60 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE N 85°52'00" E A DISTANCE OF 90.03 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE N 83°38'43" E A DISTANCE OF 41.92 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE N 43°24'34" E A DISTANCE OF 47.10 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 87°02'22" E A DISTANCE OF 84.57 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 80°22'53" E A DISTANCE OF 415.58 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 02°18'36" W A DISTANCE OF 131.69 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 40°10'02" E A DISTANCE OF 104.33 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 70°01'00" E A DISTANCE OF 16.52 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 62°01'17" E A DISTANCE OF 146.62 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 52°27'30" E A DISTANCE OF 70.78 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE S 37°32'38" W A DISTANCE OF 48.06 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE S 03°43'38" W A DISTANCE OF 48.27 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE S 23°34'04" E A DISTANCE OF 78.25 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE S 36°36'29" E A DISTANCE OF 101.06 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE S 54°32'30" E A DISTANCE OF 23.45 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE S 69°22'12" E A DISTANCE OF 46.15 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE S 60°08'28" E A DISTANCE OF 22.73 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE S 11°00'11" W A DISTANCE OF 25.70 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE S 65°57'56" W A DISTANCE OF 58.36 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE S 48°02'30" W A DISTANCE OF 18.09 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE S 54°06'10" W A DISTANCE OF 25.75 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE S 01°49'10" E A DISTANCE OF 16.63 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE S 33°30'31" E A DISTANCE OF 33.39 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE S 53°51'53" E A DISTANCE OF 101.66 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE S 56°28'54" E A DISTANCE OF 48.30 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE S 09°19'30" W A DISTANCE OF 494.57 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE N 81°40'50" W A DISTANCE OF 284.89 FEET TO A 1/2" REBAR; THENCE S 01°09'18" W A DISTANCE OF 900.88 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE S 67°20'23" W A DISTANCE OF 5.69 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE IN A CURVE TO THE LEFT HAVING A RADIUS OF 352.00 FEET, AN ARC LENGTH OF 405.50 FEET AND A CHORD BEARING AND DISTANCE OF S 18°02'35" W, 531.83 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE IN A CURVE TO THE RIGHT HAVING A RADIUS OF 243.99 FEET, AN ARC LENGTH OF 196.43 FEET AND A CHORD BEARING AND DISTANCE OF S 08°57'28" E, 191.17 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE S 14°50'19" W A DISTANCE OF 5.46 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; ON THE NORTH RIGHT OF WAY LINE OF COMMON OR WEST ROW VARIET; THENCE ALONG SAID RIGHT OF WAY IN A CURVE TO THE RIGHT HAVING A RADIUS OF 1882.87 FEET, AN ARC LENGTH OF 88.12 FEET AND A CHORD BEARING AND DISTANCE OF N 77°57'01" W, 88.11 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE LEAVING SAID RIGHT OF WAY N 14°58'13" E A DISTANCE OF 3.90 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE IN A CURVE TO THE RIGHT HAVING A RADIUS OF 156.00 FEET, AN ARC LENGTH OF 125.59 FEET AND A CHORD BEARING AND DISTANCE OF N 08°07'26" W, 122.22 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE IN A CURVE TO THE LEFT HAVING A RADIUS OF 440.00 FEET, AN ARC LENGTH OF 536.08 FEET AND A CHORD BEARING AND DISTANCE OF N 03°43'02" E, 503.53 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE IN A CURVE TO THE RIGHT HAVING A RADIUS OF 355.88 FEET, AN ARC LENGTH OF 254.67 FEET AND A CHORD BEARING AND DISTANCE OF N 03°23'22" W, 227.28 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE IN A CURVE TO THE RIGHT HAVING A RADIUS OF 120.00 FEET, AN ARC LENGTH OF 2.57 FEET AND A CHORD BEARING AND DISTANCE OF N 40°50'11" E, 2.57 FEET TO A 1/2" REBAR WITH CAP STAMPED LBB096; THENCE IN A CURVE TO THE RIGHT HAVING A RADIUS OF 17.84 FEET TO A 4"x4" CONCRETE MONUMENT; THENCE N 80°52'03" W A DISTANCE OF 1648.80 FEET TO A 4"x4" CONCRETE MONUMENT; THENCE N 53°04'25" E A DISTANCE OF 150.01 FEET TO A 4"x4" CONCRETE MONUMENT; THENCE N 30°47'38" W A DISTANCE OF 612.40 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE N 03°06'31" E A DISTANCE OF 1755.17 FEET TO A POINT OF BEGINNING; SAID PARCEL LYING IN AND BEING A PART OF AN UNDIVIDED SECTION, TOWNSHIP 2 SOUTH, RANGE 22 WEST, OKALOOSA COUNTY, FLORIDA AND CONTAINING 69.16 ACRES, MORE OR LESS.

PREPARED BY:

Binkley Engineering, P.A.
434 Benning Drive
Destin, FL 32541
Phone: (850) 974-5421

PREPARED FOR:

Indian Bayou West, LLC
4 Weekewachee Circle
Destin, FL 32541
Phone: (850) 585-4811

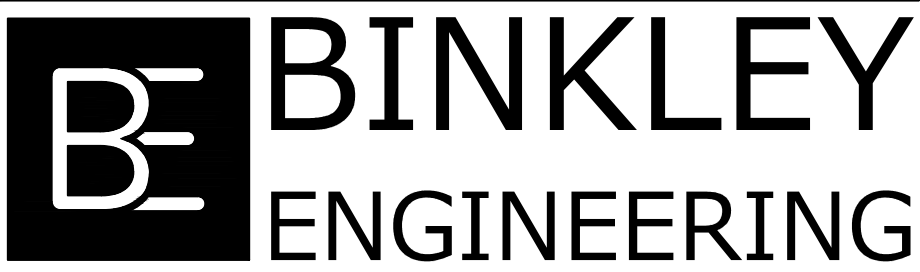
LOCATION MAP:



SITE LOCATION

INDEX OF SHEETS	
SHEET	DESCRIPTION
1.1	DEMOLITION PLAN (1 OF 6)
1.2	DEMOLITION PLAN (1 OF 6)
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1.4	DEMOLITION PLAN (1 OF 6)
1.5	DEMOLITION PLAN (1 OF 6)
1.6	DEMOLITION PLAN (1 OF 6)
2.0	OVERALL SITE PLAN
2.1	SITE PLAN (1 OF 7)
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2.3	SITE PLAN (3 OF 7)
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2.5	SITE PLAN (5 OF 7)
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3.4	GRADING & DRAINAGE PLAN (4 OF 7)
3.5	GRADING & DRAINAGE PLAN (5 OF 7)
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3.7	GRADING & DRAINAGE PLAN (7 OF 7)
4.1	UTILITY PLAN (1 OF 7)
4.2	UTILITY PLAN (2 OF 7)
4.3	UTILITY PLAN (3 OF 7)
4.4	UTILITY PLAN (4 OF 7)
4.5	UTILITY PLAN (5 OF 7)
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4.7	UTILITY PLAN (7 OF 7)
5.1	PLAN & PROFILE OLD CREEK TRAIL
5.2	PLAN & PROFILE MICCOSUKEE DRIVE NORTH (STA: 0+00 ~ 14+50)
5.3	PLAN & PROFILE MICCOSUKEE DRIVE NORTH (STA: 14+50 ~ 29+50)
5.4	PLAN & PROFILE MICCOSUKEE DRIVE NORTH (STA: 29+50 ~ 42+00)
5.5	PLAN & PROFILE MICCOSUKEE DRIVE NORTH (STA: 35+00 ~ END)
5.6	PLAN & PROFILE APALACHEE WAY
5.7	PLAN & PROFILE TIMUCUA COURT
6.1	LANDSCAPE PLAN NORTH
6.2	LANDSCAPE PLAN SOUTH
7.1	DETAILS
7.2	DETAILS
7.3	RETENTION BASIN SECTIONS
7.4	DESTIN WATER USERS DETAILS
7.5	DESTIN WATER USERS DETAILS
7.6	DESTIN WATER USERS DETAILS
7.7	LIFT STATION DETAILS
8.1	SPECIFICATIONS
8.2	SPECIFICATIONS
8.3	SPECIFICATIONS

TOTAL PROJECT AREA	3,012,702 S.F. (69.16 Ac.)
OLD CREEK TRAIL R/W	77,062 S.F. (1.77 Ac.)
SUBDIVISION AREA	2,935,640 S.F. (67.39 Ac.)
TOTAL PROJECT IMPERVIOUS SURFACE	768,196 S.F.
IMPERVIOUS SURFACE AREA (EXCLUDING OLD CREEK TRAIL R/W)	
IMPERVIOUS SURFACE	725,429 S.F. (25%)
PROPOSED OPEN SPACE	2,210,211 S.F. (75%)



Certificate of Authorization No. 32308

INDIAN BAYOU WEST
NOT FOR CONSTRUCTION



NOT INCLUDED
(FUTURE PHASE 2)

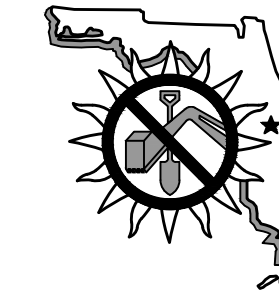
- WETLANDS:

EX. GOLF POND
TO BE FILLED
(WATER EL.=9.9)

REMOVE EX.
CART PATH

REMOVE
EX. 24" CPE

FAIRWAY 3



NOTES

1. PRIOR TO COMMENCING CLEARING OR DEMOLITION OPERATIONS, CONTRACTOR SHALL VERIFY WITH ENGINEER ALL ITEMS TO BE REMOVED OR TO REMAIN.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES ABOVE AND BELOW GROUND AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO BEGINNING WORK.
3. CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY COMPANIES ON THE ADJUSTMENT AND/OR RELOCATION OF EXISTING UTILITIES AS SHOWN OR NOT SHOWN ON THE PLANS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERITS REQUIRED BY STATE AND LOCAL GOVERNMENTS FOR COMPLETING THE WORK INCLUDING BUT NOT LIMITED TO NPDES STORMWATER DISCHARGE PERMIT.
5. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY AND/OR PERMANENT EROSION AND SEDIMENT CONTROL DEVICES DURING CONSTRUCTION OPERATIONS AS SHOWN ON THE PLANS AS A MINIMUM. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES MAY BE REQUIRED TO PREVENT SILT FROM LEAVING SITE.
6. EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED AFTER EACH RAIN EVENT AND SHALL BE REPAIRED OR REPLACED AS NECESSARY.
7. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE TO THE CITY FOR REVIEW AND APPROVAL A WRITTEN VIBRATION IMPACT MITIGATION PLAN. THE VIBRATION IMPACT MITIGATION PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO, A DESCRIPTION OF THE CONTROL PROCESSES THAT THE CONTRACTOR WILL IMPLEMENT IN ORDER TO ADDRESS THE FOLLOWING:
 - 7.1. HOW TO ENSURE THAT ANY ACTIVITY INCLUDED BUT NOT LIMITED TO PILE DRIVING, EARTHWORK COMPACTION, CONCRETE AND ASPHALT BREAKING WILL NOT TRANSMIT VIBRATIONS TO SENSITIVE RECEPTOR STRUCTURES AT OR ABOVE THE FEDERAL TRANSIT ADMINISTRATION (FTA) APPROXIMATE VIBRATION DAMAGE THRESHOLD OF 95 VIBRATION DECIBELS (vdb).
 - 7.2. HOW TO MINIMIZE THE IMPACT ON SURROUNDING AREAS FOR ANY ACTIVITY EXCEEDING THE APPROXIMATE FTA VIBRATION ANNOYANCE THRESHOLD OF 80 vdb.

REVISIONS:	DATE:
△ PER CITY AND NWFWWD COMMENTS	1/25/21
△ PER NWFWWD COMMENTS	2/17/21
△ PER NWFWWD COMMENTS	3/31/21
△	
△	
△	
△	



INDIAN BAYOU WEST

DEMOLITION PLAN (1 OF 6)

DATE: 8/27/20

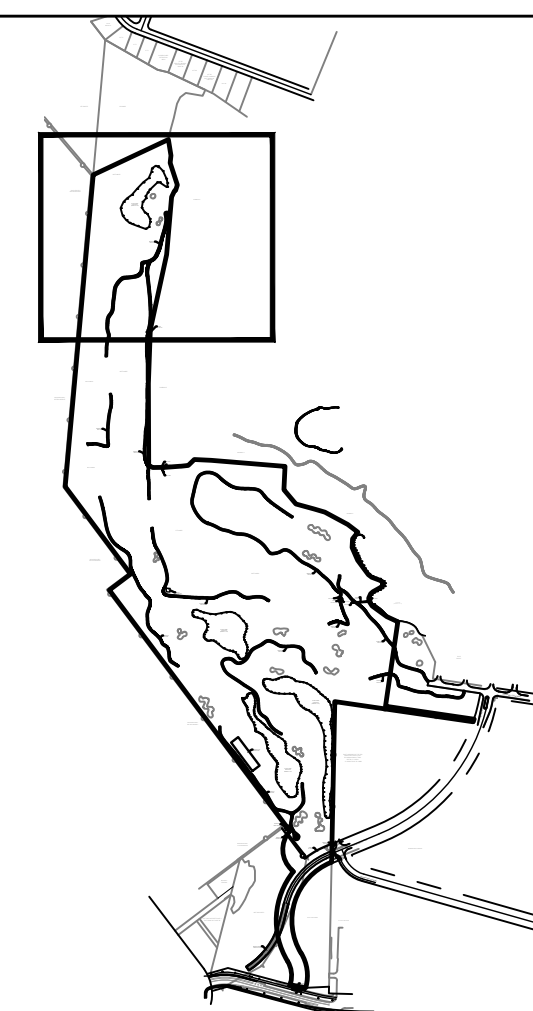
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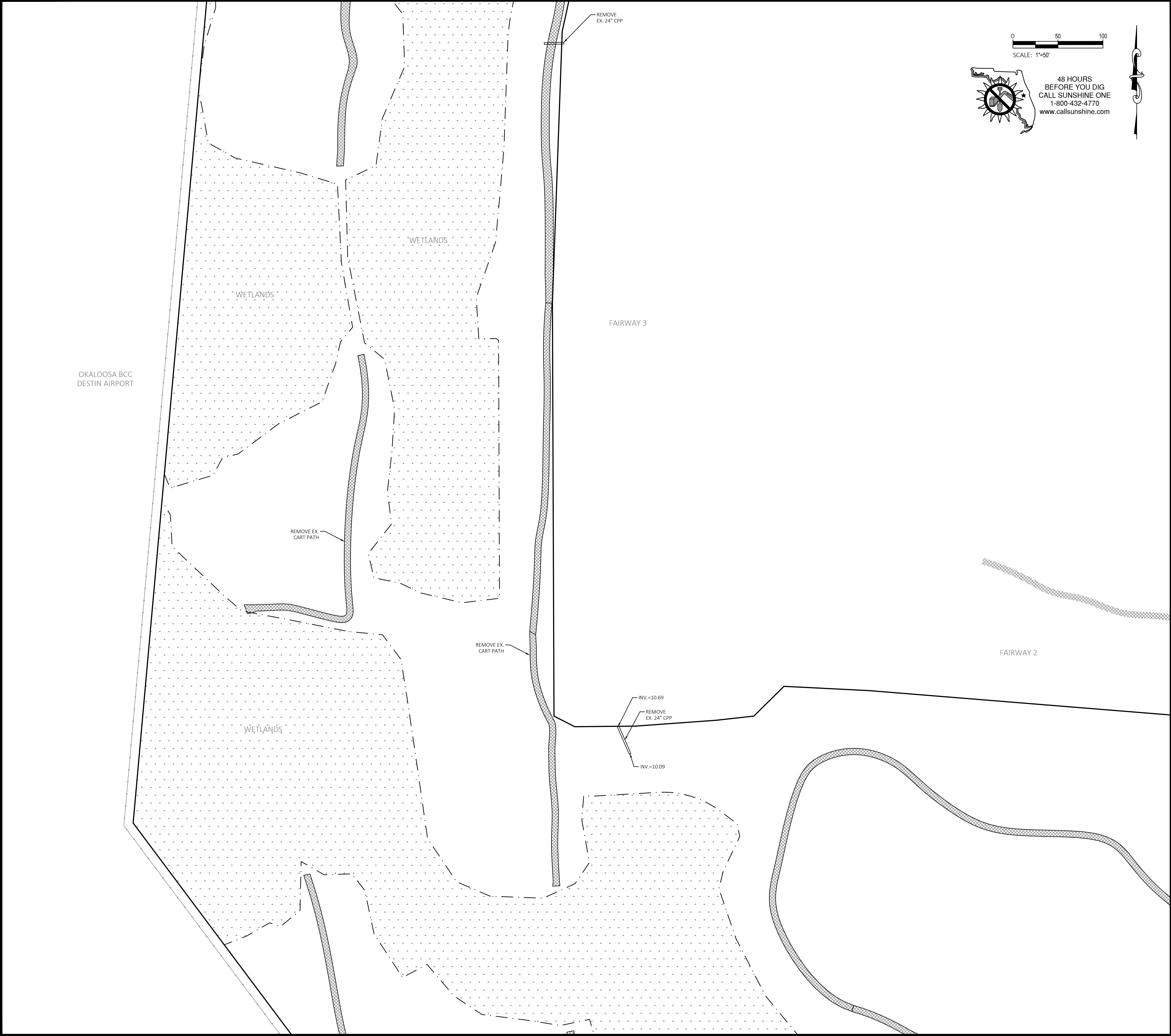
SHEET

1.1
TOTAL SHEETS 47

NOT FOR CONSTRUCTION

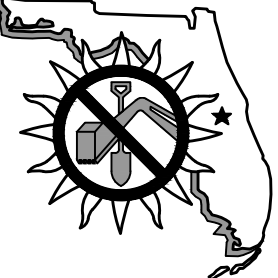
KEY MAP







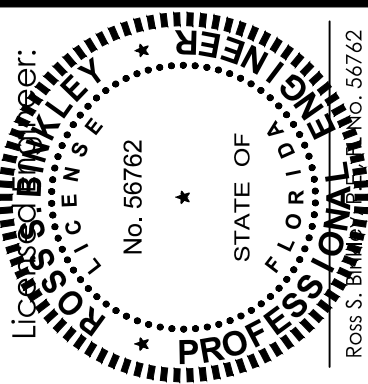
SCALE: 1"=50'



48 HOURS
BEFORE YOU DIG
CALL SUNSHINE ONE
1-800-432-4770
www.callsunshine.com

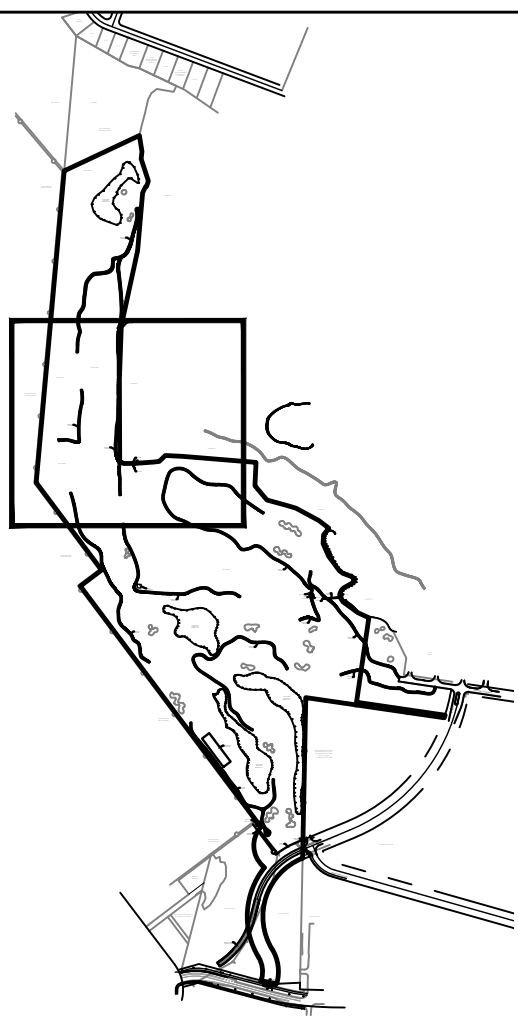
NOTES

- PRIOR TO COMMENCING CLEARING OR DEMOLITION OPERATIONS, CONTRACTOR SHALL VERIFY WITH ENGINEER ALL ITEMS TO BE REMOVED OR TO REMAIN.
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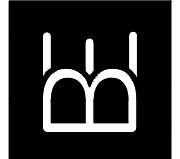


DATE:	1/25/21	2/27/21	3/31/21			
REVISIONS:	PER CITY AND NWFVMD COMMENTS	PER NWFVMD COMMENTS	PER NWFVMD COMMENTS	PER NWFVMD COMMENTS	PER NWFVMD COMMENTS	PER NWFVMD COMMENTS

KEY MAP



NOT FOR CONSTRUCTION



**BINKLEY
ENGINEERING**

Certificate of Authorization No. 32308
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rsbinkley@gmail.com

INDIAN BAYOU WEST

DEMOLITION PLAN (2 OF 6)

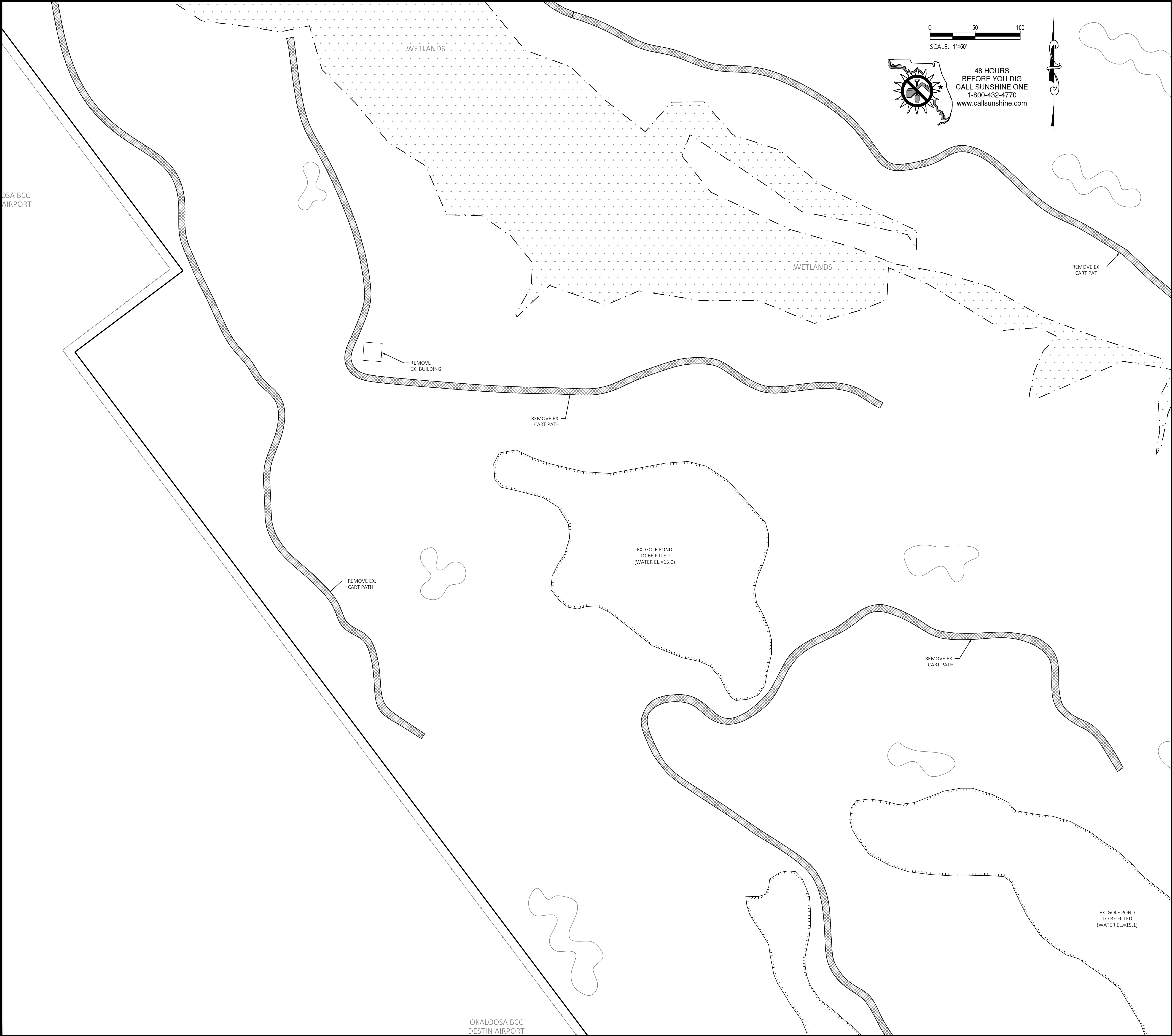
DATE: 8/27/20

SCALE: 1"=50'

SHEET

1.2

TOTAL SHEETS 47



NOTES

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REVISIONS:

DATE:	1/25/21	2/27/21	3/31/21				
PER CITY AND NPDES COMMENTS							
PER NPDES COMMENTS							
PER NPDES COMMENTS							
PER NPDES COMMENTS							
PER NPDES COMMENTS							
PER NPDES COMMENTS							

KEY MAP

NOT FOR CONSTRUCTION

INDIAN BAYOU WEST

DEMOLITION PLAN (3 OF 6)

DATE: 8/27/20

SCALE: 1"=50'

SHEET

1.3

TOTAL SHEETS 47

BE

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STATE OF FLORIDA

REGISTERED PROFESSIONAL ENGINEER

NO. 56762

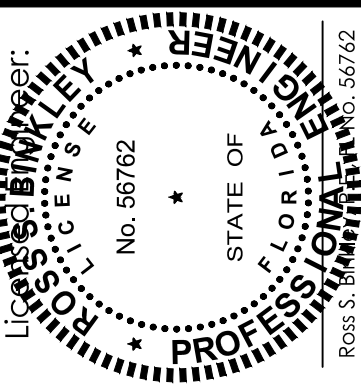
DATE: 1/25/21

RECEIVED



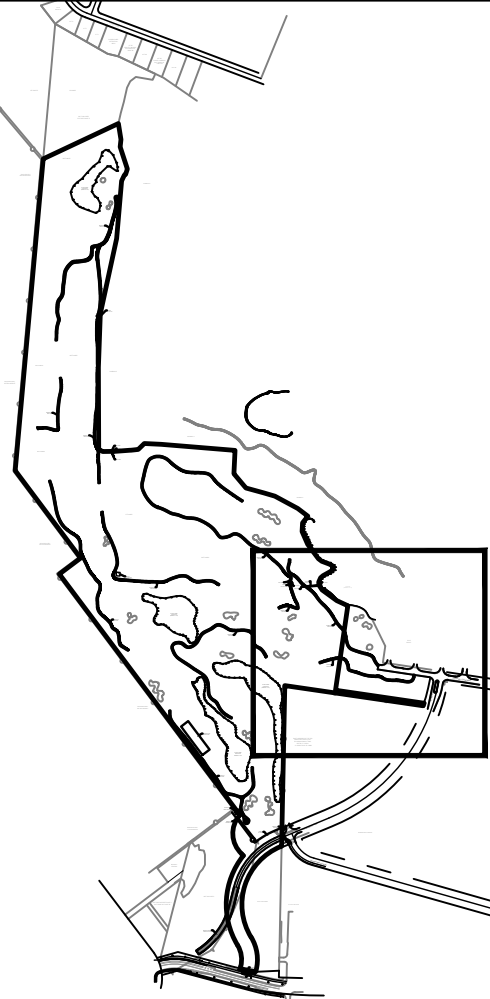
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DATE:	1/25/21	2/17/21	3/31/21			
REVISIONS:	PER CITY AND NWFVMD COMMENTS	PER NWFVMD COMMENTS	PER NWFVMD COMMENTS	PER NWFVMD COMMENTS	PER NWFVMD COMMENTS	PER NWFVMD COMMENTS

KEY MAP



NOT FOR CONSTRUCTION

B

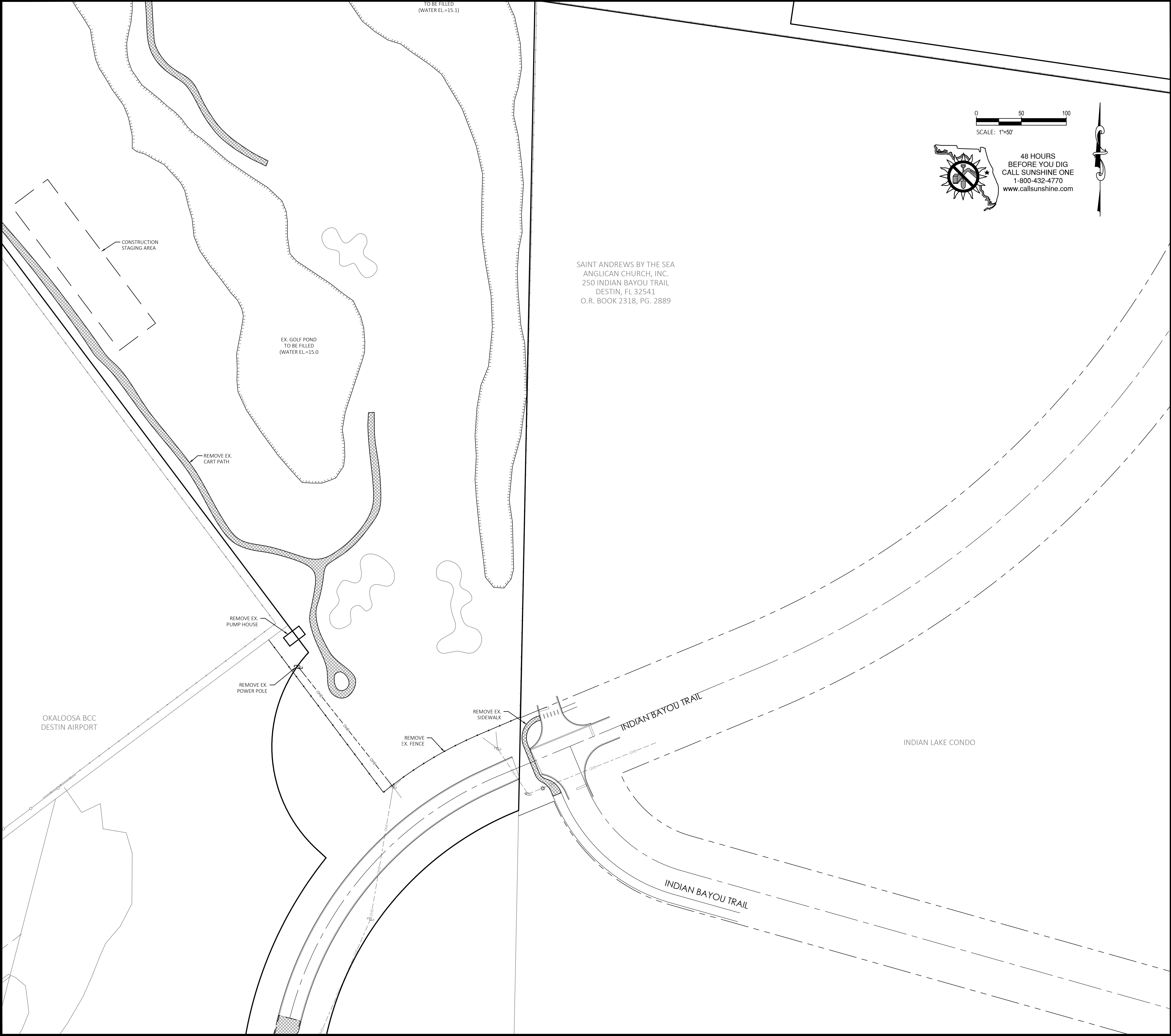
BINKLEY

ENGINEERING

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INDIAN BAYOU WEST

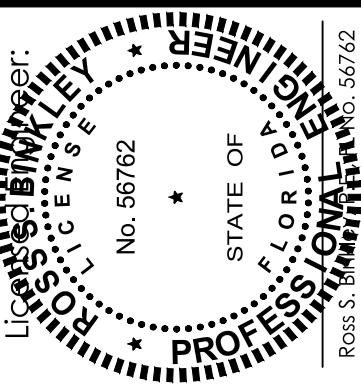
DEMOLITION PLAN (4 OF 6)



SAINT ANDREWS BY THE SEA
ANGLICAN CHURCH, INC.
250 INDIAN BAYOU TRAIL
DESTIN, FL 32541
O.R. BOOK 2318, PG. 2889

NOTES

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DATE:	1/25/21	2/17/21	3/31/21						
REVISIONS:	PER CITY AND NWFVMD COMMENTS	PER NWFVMD COMMENTS	PER NWFVMD COMMENTS	PER NWFVMD COMMENTS	PER NWFVMD COMMENTS	PER NWFVMD COMMENTS	PER NWFVMD COMMENTS	PER NWFVMD COMMENTS	PER NWFVMD COMMENTS

B

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ENGINEERING

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INDIAN BAYOU WEST

DEMOLITION PLAN (5 OF 6)

DATE: 8/27/20
SCALE: 1"=50'
SHEET
1.5
TOTAL SHEETS 47

KEY MAP

NOT FOR CONSTRUCTION

BOOGIES
LEASING

EAST LINE AIRPORT PLACE 1
PLAT BOOK 14, PAGE 34

NOT INCLUDED

NOT INCLUDED

CITY OF DESTIN

REMOVE EXISTING
ASPHALT & CURB

EX. 5' CONCRETE WALK

~~REMOVE EX. SIDEWALK~~

INDIAN BAYOU TRAIL

INDIAN BAYOU TRAIL

NOTES

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REVISIONS:	DATE:	
1. PER CITY AND NWFWMD COMMENTS	1/25/21	
2. PER NWFWMD COMMENTS	2/17/21	
3. PER NWFWMD COMMENTS	3/3/21	
4.		
5.		
6.		
7.		

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INDIAN BAYOU WEST

DEMOLITION PLAN (6 OF 6)

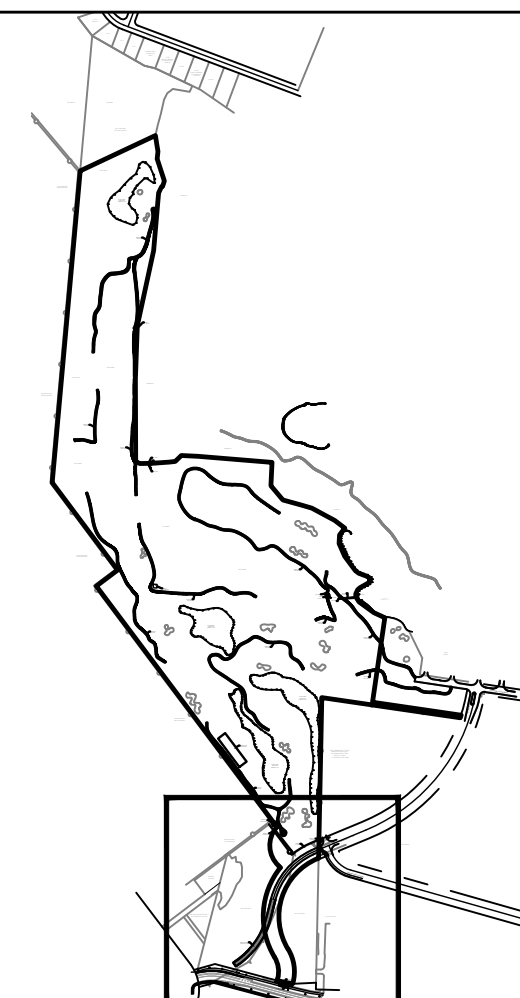
DATE: 8/27/20

SCALE: 1"=50'

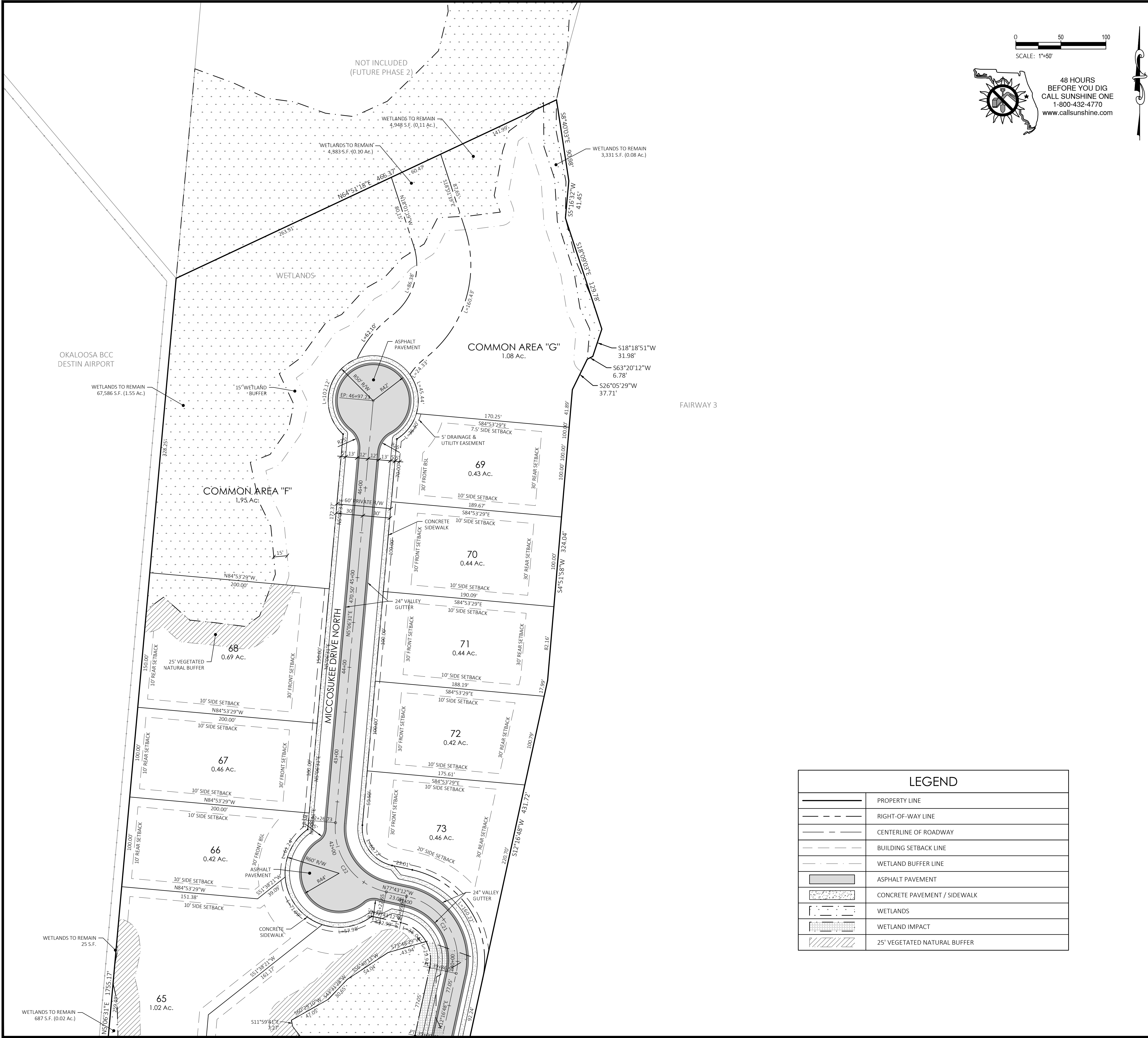
1.6

TOTAL SHEETS 47

KEY MAP



NOT FOR CONSTRUCTION

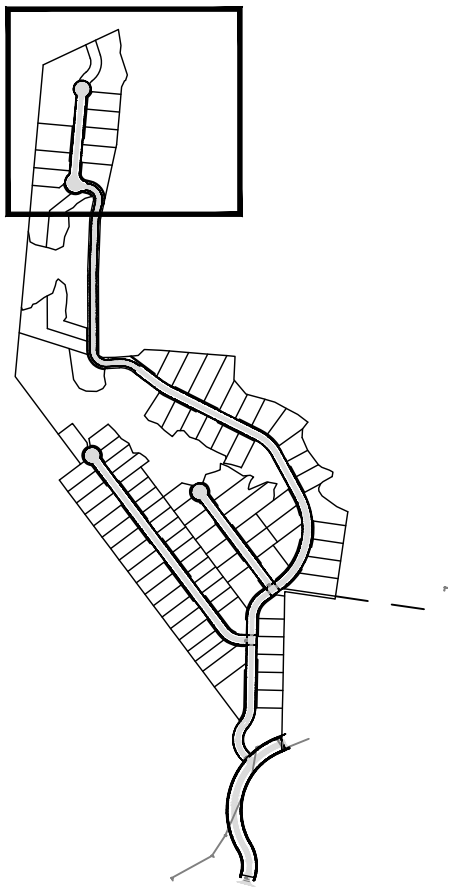


LEGEND	
	PROPERTY LINE
	RIGHT-OF-WAY LINE
	CENTERLINE OF ROADWAY
	BUILDING SETBACK LINE
	WETLAND BUFFER LINE
	ASPHALT PAVEMENT
	CONCRETE PAVEMENT / SIDEWALK
	WETLANDS
	WETLAND IMPACT
	25' VEGETATED NATURAL BUFFER

Boundary Curve Table					
CURVE	LENGTH	RADIUS	DELTA	CHORD	CHORD BEARING
C6	605.92'	352.00'	98°37'34"	533.83'	S18°07'35"W
C7	196.43'	244.00'	46°07'31"	191.17'	S8°07'26"E
C8	88.12'	1882.87'	2°40'53"	88.11'	S77°55'40"E

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C20	200.00'	35.65'	10°12'44"	35.60'	N7°10'26"E
C21	72.00'	113.10'	90°00'00"	101.82'	N32°43'12"W
C22	72.00'	104.09'	82°49'44"	95.26'	N36°18'20"W
C23	130.00'	117.93'	51°58'40"	113.93'	N62°51'22"W
C9	200.00'	161.01'	46°07'31"	156.69'	N8°07'26"W
C10	396.00'	312.93'	45°16'38"	304.85'	N8°32'53"W

KEY MAP



NOT FOR CONSTRUCTION

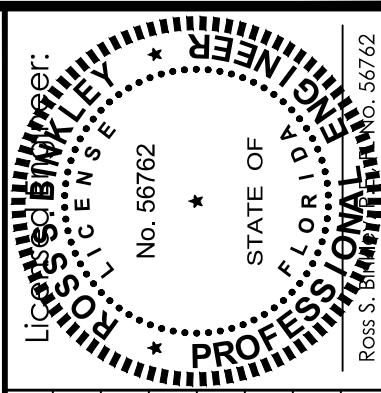
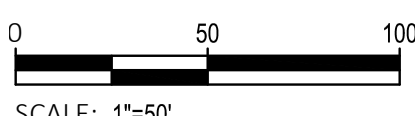
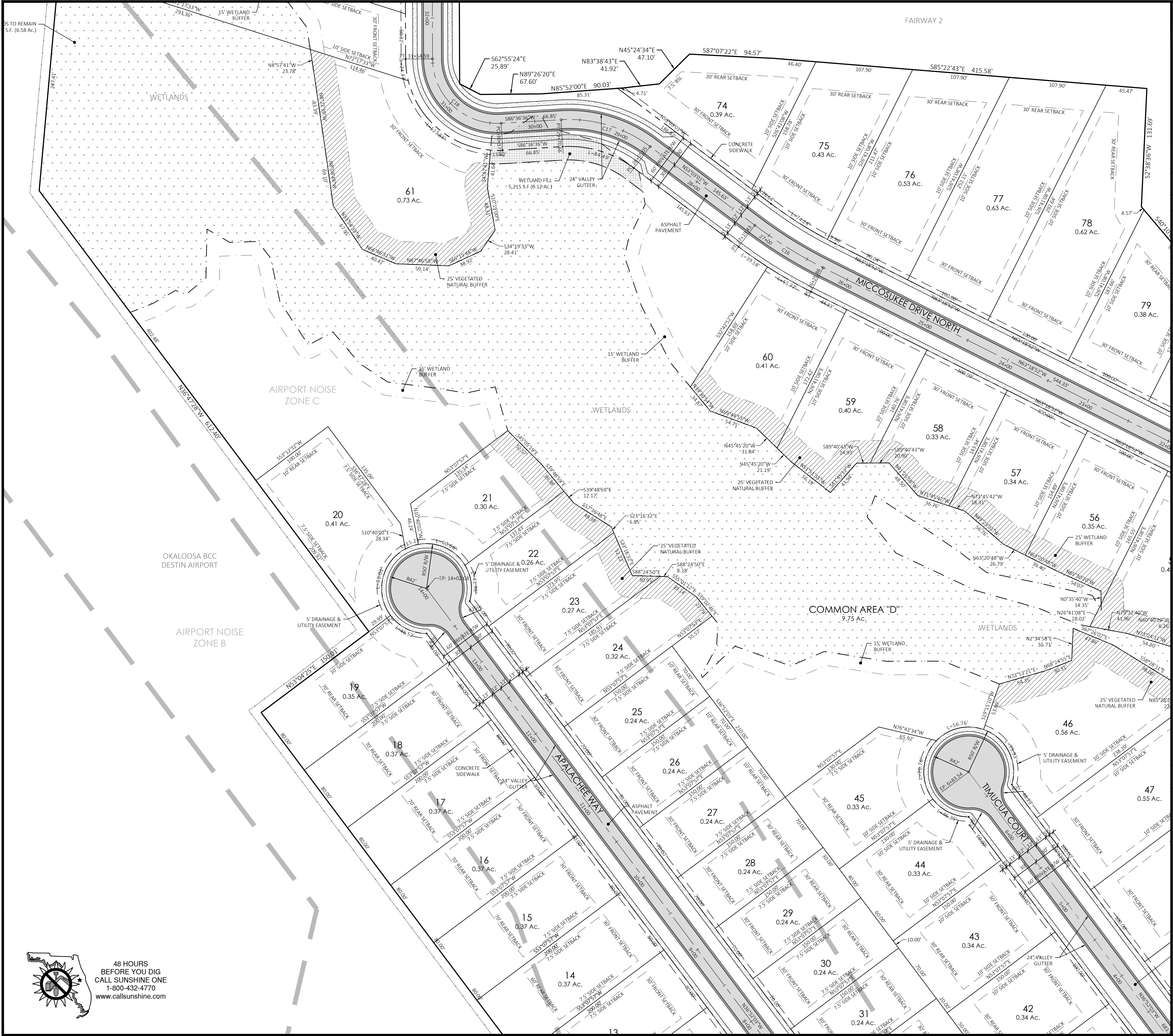
DATE:	1/25/21
2/17/21	
2/17/21	
3/31/21	
8/23/21	
1/25/22	

REVISIONS:	DATE:	1/25/21	2/17/21	2/17/21	3/31/21	8/23/21	1/25/22
PER CITY COMMENTS							
PER NWFVMD AND CITY OF DESTIN COMMENTS							
PER NWFVMD AND CITY OF DESTIN COMMENTS							
PER NWFVMD COMMENTS							
ADD 11 LOTS PER OWNER							
REDUCE TO 95 LOT							

INDIAN BAYOU WEST

SITE PLAN (1 OF 7)

DATE:	8/27/20
SCALE:	1"=50'
SHEET	
2.1	
TOTAL SHEETS	47



DATE:	1/25/21
PER CITY COMMENTS:	
PER NWFVMD AND CITY OF DESTIN COMMENTS:	
PER NWFVMD COMMENTS:	
ADD 11 ADDITIONAL LOTS PER CLIENT:	
ADD 11 LOTS PER OWNER:	
REDUCE TO 95 LOT:	
REVISIONS:	

LEGEND

	PROPERTY LINE
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	BUILDING SETBACK LINE
	WETLAND BUFFER LINE
	ASPHALT PAVEMENT
	CONCRETE PAVEMENT / SIDEWALK
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	WETLAND IMPACT
	25' VEGETATED NATURAL BUFFER
	AIRPORT NOISE ZONE

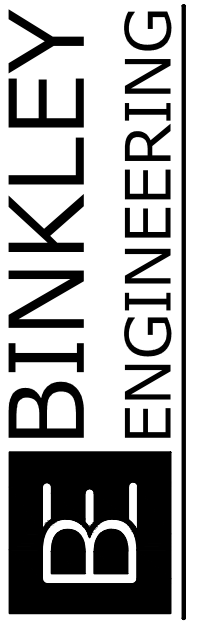
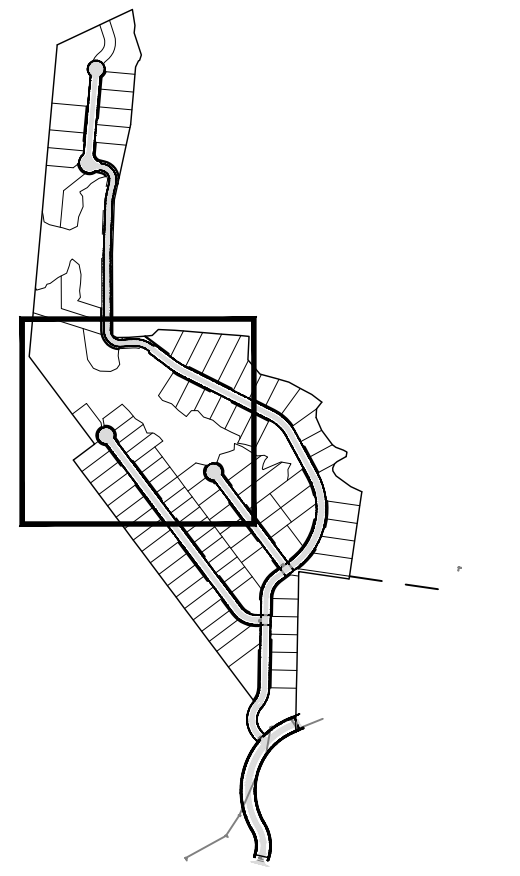
Boundary Curve Table

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KEY MAP



INDIAN BAYOU WEST

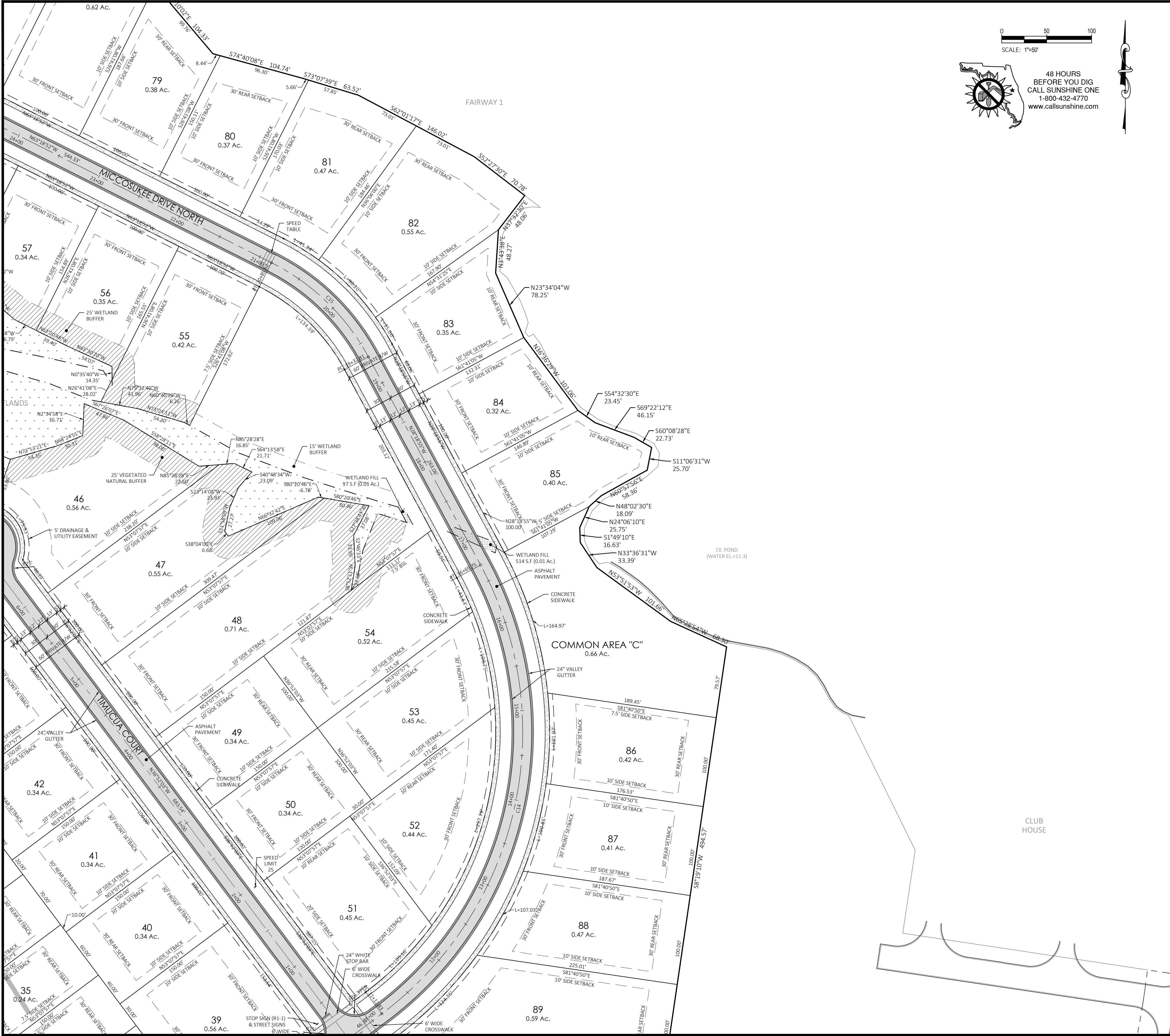
SITE PLAN (3 OF 7)

DATE: 8/27/20
SCALE: 1"=50'
SHEET

2.3
TOTAL SHEETS 47

48 HOURS BEFORE YOU DIG
CALL SUNSHINE ONE
1-800-432-4770
www.callsunshine.com

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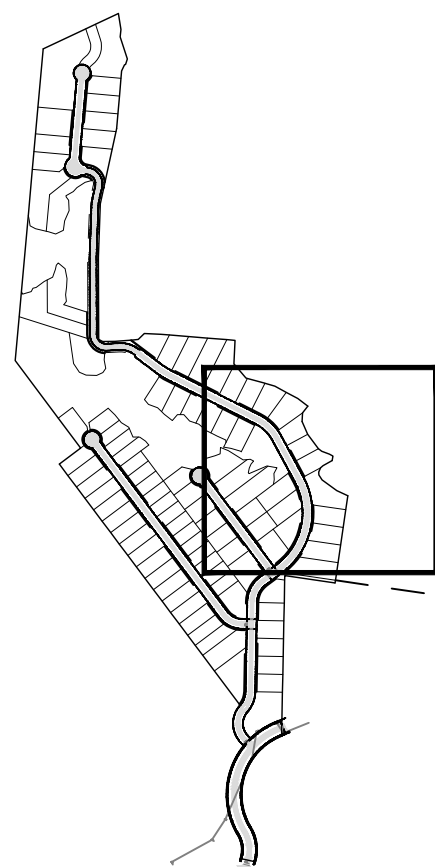


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	RIGHT-OF-WAY LINE
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C18	72.00'	117.09'	93°10'31"	104.61'	N46°48'09"W
C19	500.00'	19.92'	2°16'57"	19.92'	N0°55'35"E
C20	200.00'	35.65'	10°12'44"	35.60'	N7°10'26"E
C21	72.00'	113.10'	90°00'00"	101.82'	N32°43'12"W
C22	72.00'	104.09'	82°49'44"	95.26'	N36°18'20"W
C23	130.00'	117.93'	51°58'40"	113.93'	N62°51'22"W
C9	200.00'	161.01'	46°07'31"	156.69'	N8°07'26"W
C10	396.00'	312.93'	45°16'38"	304.85'	N8°32'53"W

KEY MAP



REVISIONS:

DATE:

1/25/21

2/17/21

3/31/21

8/23/21

1/25/22

PER CITY COMMENTS

PER NWFVMD AND CITY OF DESTIN COMMENTS

PER NWFVMD COMMENTS

ADD 11 LOTS PER OWNER

REDUCE TO 95 LOTS

INDIAN BAYOU WEST

STATE OF FLORIDA

PROFESSIONAL ENGINEER

NO. 56762

56762

INDIAN BAYOU WEST

SITE PLAN (4 OF 7)

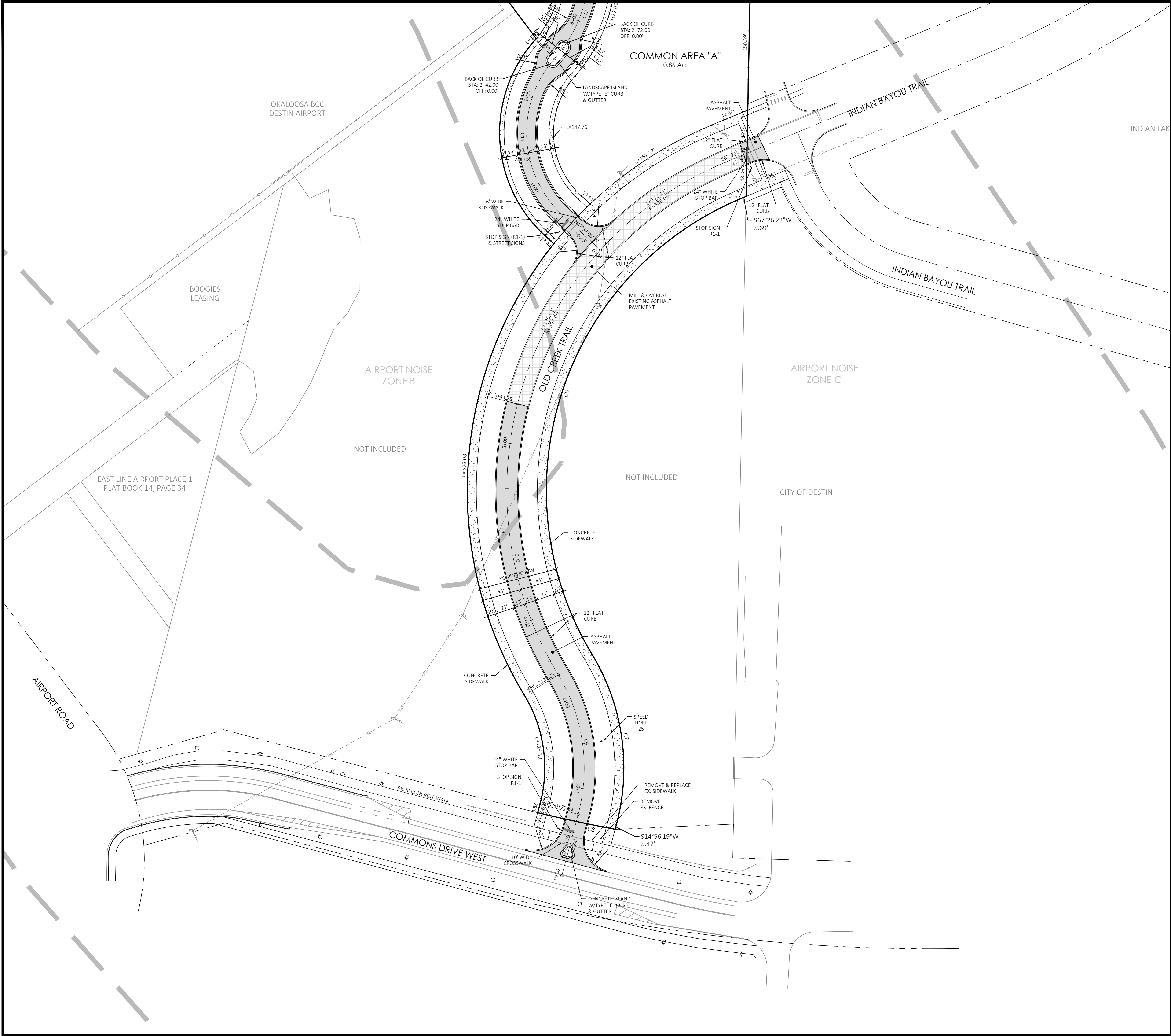
DATE: 8/27/20

SCALE: 1"=50'

SHEET

2.4

TOTAL SHEETS 47



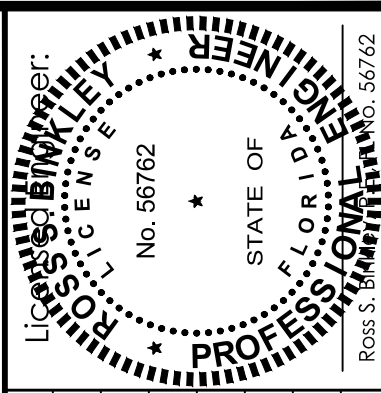
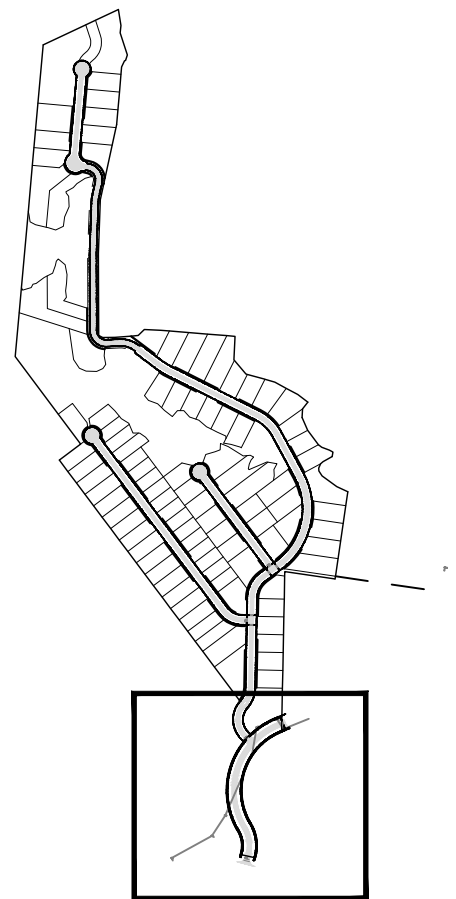
48 HOURS
BEFORE YOU DIG
CALL SUNSHINE ONE
1-800-432-4770
www.callsunshine.com

LEGEND	
	PROPERTY LINE
	RIGHT-OF-WAY LINE
	CENTERLINE OF ROADWAY
	BUILDING SETBACK LINE
	WETLAND BUFFER LINE
	ASPHALT PAVEMENT
	CONCRETE PAVEMENT / SIDEWALK
	WETLANDS
	WETLAND IMPACT
	25' VEGETATED NATURAL BUFFER
	AIRPORT NOISE ZONE

Boundary Curve Table					
CURVE	LENGTH	RADIUS	DELTA	CHORD	CHORD BEARING
C6	605.92'	352.00'	98°37'34"	533.83'	S18°07'35"W
C7	196.43'	244.00'	46°07'31"	191.17'	S8°07'26"E
C8	88.12'	1882.87'	2°40'53"	88.11'	S77°55'40"E

Centerline Curve Table					
CURVE	RADIUS	LENGTH	DELTA	CHORD	CHORD BEARING
C11	125.00'	194.42'	89°06'52"	175.41'	N2°58'39"W
C12	150.00'	105.83'	40°25'29"	103.65'	N21°22'02"E
C13	150.00'	136.08'	51°58'40"	131.46'	N27°08'38"E
C14	391.77'	556.92'	81°26'52"	511.20'	N12°24'31"E
C15	250.00'	152.71'	34°59'57"	150.35'	N45°48'53"W
C16	500.00'	89.57'	10°15'51"	89.45'	N58°10'57"W
C17	150.00'	105.61'	40°20'23"	103.44'	N73°13'13"W
C18	72.00'	117.09'	93°10'31"	104.61'	N46°48'09"W
C19	500.00'	19.92'	2°16'57"	19.92'	N0°55'35"E
C20	200.00'	35.65'	10°12'44"	35.60'	N7°10'26"E
C21	72.00'	113.10'	90°00'00"	101.82'	N32°43'12"W
C22	72.00'	104.09'	82°49'44"	95.26'	N36°18'20"W
C23	130.00'	117.93'	51°58'40"	113.93'	N62°51'22"W
C9	200.00'	161.01'	46°07'31"	156.69'	N8°07'26"W
C10	396.00'	312.93'	45°16'38"	304.85'	N8°32'53"W

KEY MAP



DATE:	1/25/21
REVISIONS:	1/25/21
PER CITY COMMENTS:	2/17/21
PER NWFVMD AND CITY OF DESTIN COMMENTS:	3/31/21
PER NWFVMD COMMENTS:	8/23/21
ADD 11 LOTS PER OWNER:	1/25/22
REDUCE TO 95 LOTS:	
STATE OF FLORIDA:	
PROFESSIONAL ENGINEER:	
RECEIVED:	

BINKLEY ENGINEERING

Certificate of Authorization No. 32308
434 Benning Drive, Destin, FL 32541
Phone: (850) 974-5421
rsbinkley@gmail.com

INDIAN BAYOU WEST

SITE PLAN (7 OF 7)

DATE: 8/27/20

SCALE: 1"=50'

SHEET

2.7

TOTAL SHEETS 47

NOT FOR CONSTRUCTION



050100

SCALE: 1"=50'

48 HOURS
BEFORE YOU DIG
CALL SUNSHINE ONE
1-800-432-4770
www.callsunshine.com

LEGEND

EXISTING GRADE CONTOUR (AT 5' INTERVAL)

EXISTING GRADE CONTOUR (AT 1' INTERVAL)

FINISHED GRADE CONTOUR (AT 1' INTERVAL)

12.00

FINISHED GRADE SPOT ELEVATION

SILT FENCE LOCATION

HDPE

HIGH DENSITY POLYETHYLENE PIPE

NOTES

1. CONTOUR INTERVAL = ONE FOOT.

2. PROPOSED CONTOURS AND SPOT ELEVATIONS REPRESENT FINISHED GRADE.

3. STORMWATER RUNOFF, SEDIMENT, AND EROSION SHALL BE CONTROLLED DURING ALL PHASES OF CONSTRUCTION.

4. MATCH EXISTING EDGE OF PAVEMENT GRADE WHEREVER NEW PAVEMENT EDGE MEETS THE EXISTING EDGE.

5. CONTRACTOR SHALL PROVIDE SOLID SODDING WITHIN ALL CLEARED AND GRUBBED AREAS WITH SIDE SLOPES OF 3:1 OR STEEPER.

6. CONTRACTOR SHALL PROVIDE A TEMPORARY COVER OF FILTER CLOTH FOR EACH INLET STRUCTURE TO PREVENT ENTRANCE OF SOIL. INLET STRUCTURES ARE TO REMAIN COVERED UNTIL AN ACCEPTABLE STAND OF GRASS IS ACHIEVED.

7. TOPOGRAPHIC INFORMATION HEREON BASED ON BOUNDARY & TOPOGRAPHIC SURVEY BY RARE EARTH SURVEYING & MAPPING. ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM 1988.

8. STATION AND OFFSET LABELING IS SHOWN TO CENTER OF STRUCTURE BOTTOM. STORM PIPE LENGTHS ARE TO CENTER OF STRUCTURE BOTTOM.

9. ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF OFFSITE.

10. CONTRACTOR SHALL PROVIDE CAMERA INSPECTION OF ALL STORM DRAINAGE PIPE TO THE CITY OF DESTIN AFTER CONSTRUCTION.

LOT RETENTION REQUIREMENT

LOT	MAX. IMPERVIOUS (S.F.)	1" VOLUME (c.f.)	LOT	MAX. IMPERVIOUS (S.F.)	1" VOLUME (c.f.)
1	5,004	2,488	49	6,504	1,250
2	5,004	2,336	50	5,004	1,250
3	5,004	1,296	51	5,004	1,629
4	5,004	1,173	52	5,004	1,596
5	5,004	1,333	53	5,004	1,637
6	4,004	1,333	54	5,004	1,876
7	4,004	1,333	55	7,504	1,508
8	4,004	1,333	56	7,504	1,288
9	4,004	1,333	57	7,504	1,240
10	4,004	1,333	58	4,004	1,181
11	4,004	1,333	59	4,004	1,462
12	4,004	1,333	60	4,004	1,505
13	4,004	1,333	61	5,004	2,643
14	4,004	1,333	62	5,004	3,745
15	4,004	1,333	63	5,004	2,966
16	4,004	1,333	64	5,004	2,798
17	4,004	1,333	65	5,004	3,692
18	4,004	1,333	66	5,004	1,517
19	4,004	1,288	67	5,004	1,666
20	4,004	1,490	68	5,004	2,500
21	4,004	1,107	69	5,004	1,548
22	4,004	926	70	5,004	1,582
23	4,004	988	71	5,004	1,584
24	4,004	1,169	72	5,004	1,515
25	4,004	875	73	5,004	1,677
26	4,004	875	74	4,004	1,415
27	4,004	875	75	4,004	1,555
28	4,004	875	76	4,004	1,931
29	4,004	875	77	4,004	2,269
30	4,004	875	78	7,504	2,239
31	4,004	875	79	7,504	1,387
32	4,004	875	80	7,504	1,334
33	4,004	875	81	7,504	1,706
34	4,004	875	82	7,504	2,013
35	4,004	875	83	7,504	1,258
36	4,004	875	84	7,504	1,163
37	4,004	875	85	5,004	1,445
38	5,004	1,898	86	5,004	1,507
39	5,004	2,028	87	5,004	1,500
40	5,004	1,250	88	5,004	1,699
41	6,504	1,250	89	5,004	2,148
42	6,504	1,250	90	5,004	1,353
43	6,504	1,250	91	5,004	1,250
44	6,504	1,203	92	5,004	1,250
45	6,504	1,214	93	5,004	1,250
46	6,504	2,045	94	5,004	1,250
47	6,504	2,008	95	5,004	1,250
48	6,504	2,591			

KEY MAP

NOT FOR CONSTRUCTION

INDIAN BAYOU WEST

GRADING & DRAINAGE PLAN (1 OF 7)

DATE: 8/27/20

SCALE: 1"=50'

SHEET

3.1

TOTAL SHEETS 47

REVISIONS:

DATE

1/25/21

2/17/21

3/31/21

8/23/21

1/25/22

PER CITY AND NWFVMD COMMENTS

PER NWFVMD AND CITY OF DESTIN COMMENTS

PER NWFVMD COMMENTS

ADD 11 LOTS PER OWNER

REDUCE TO 95 LOTS

PROJECT INFORMATION

PROJECT NO.

56762

STATE OF

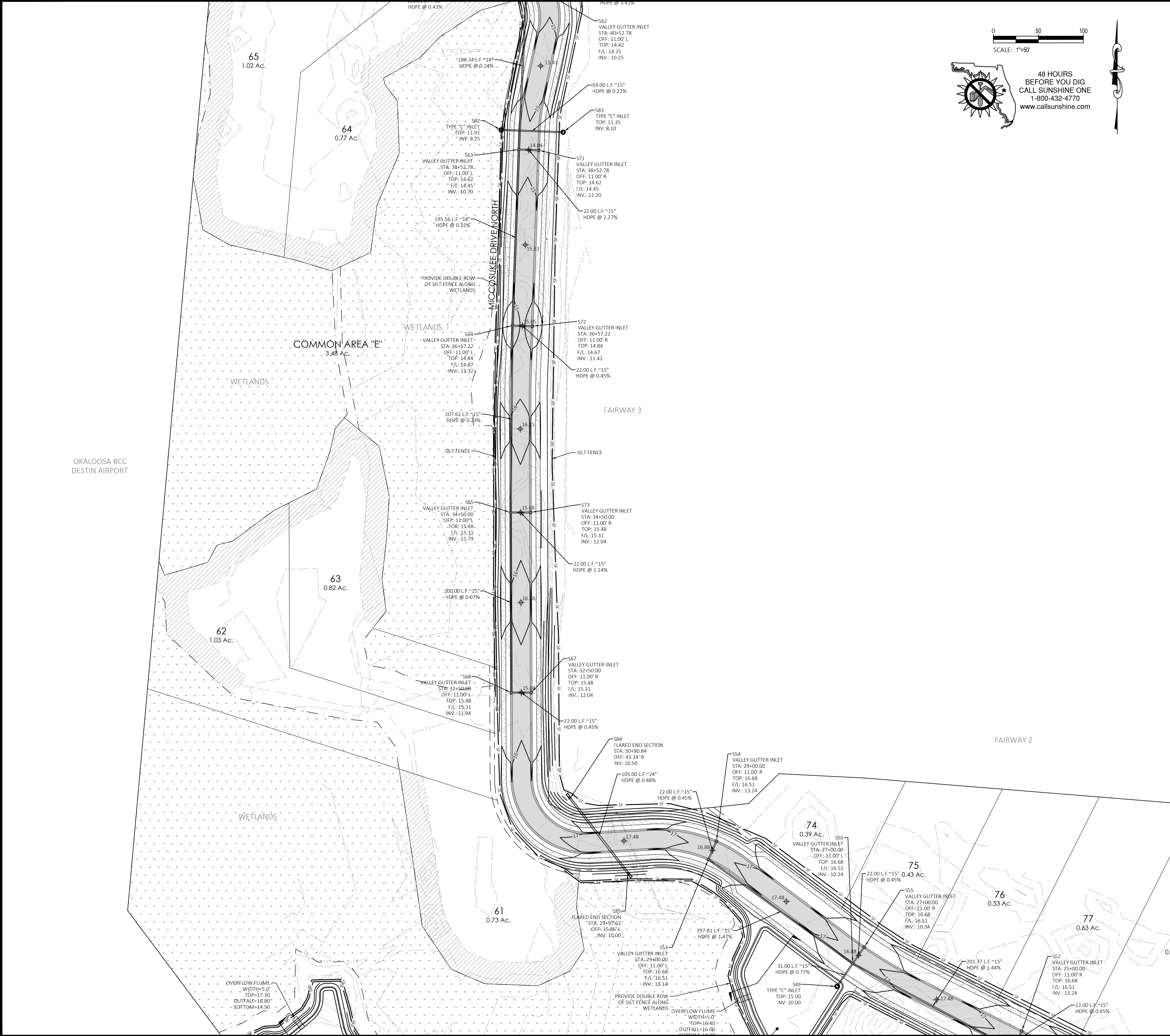
FLORIDA

LIC. NO.

11000

PROF. SEAL

56762



0 50 100
SCALE: 1"=50'

48 HOURS
BEFORE YOU DIG
CALL SUNSHINE ONE
1-800-432-4770
www.callsunshine.com

LEGEND

---	EXISTING GRADE CONTOUR (AT 5' INTERVAL)
---	EXISTING GRADE CONTOUR (AT 1' INTERVAL)
---	FINISHED GRADE CONTOUR (AT 1' INTERVAL)
⊕ 12.00	FINISHED GRADE SPOT ELEVATION
---	SILT FENCE LOCATION
HDPE	HIGH DENSITY POLYETHYLENE PIPE

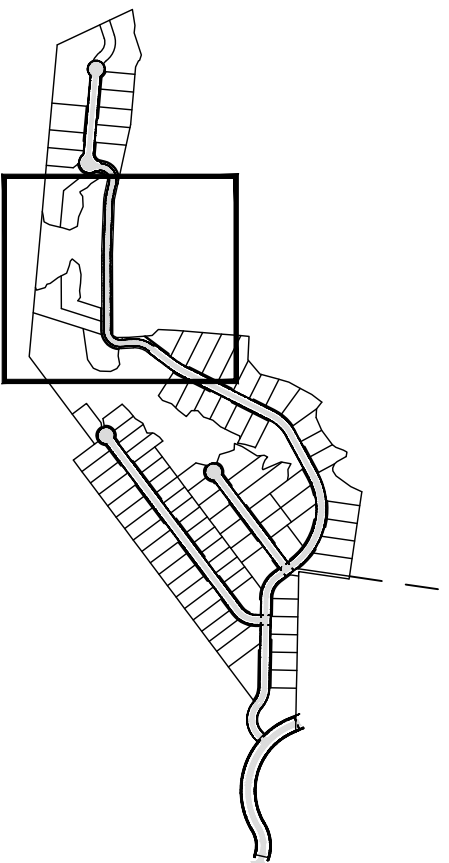
NOTES

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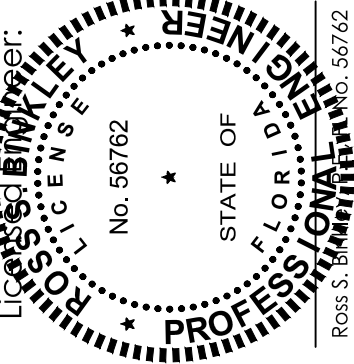
LOT RETENTION REQUIREMENT

LOT	MAX. IMPERVIOUS (S.F.)	1" VOLUME (c.f.)	LOT	MAX. IMPERVIOUS (S.F.)	1" VOLUME (c.f.)
1	5,004	2,488	49	6,504	1,250
2	5,004	2,336	50	5,004	1,250
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4	5,004	1,173	52	5,004	1,596
5	5,004	1,333	53	5,004	1,637
6	4,004	1,333	54	5,004	1,876
7	4,004	1,333	55	7,504	1,508
8	4,004	1,333	56	7,504	1,288
9	4,004	1,333	57	7,504	1,240
10	4,004	1,333	58	4,004	1,181
11	4,004	1,333	59	4,004	1,462
12	4,004	1,333	60	4,004	1,505
13	4,004	1,333	61	5,004	2,643
14	4,004	1,333	62	5,004	3,745
15	4,004	1,333	63	5,004	2,966
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17	4,004	1,333	65	5,004	3,692
18	4,004	1,333	66	5,004	1,517
19	4,004	1,288	67	5,004	1,666
20	4,004	1,490	68	5,004	2,500
21	4,004	1,107	69	5,004	1,548
22	4,004	926	70	5,004	1,582
23	4,004	988	71	5,004	1,584
24	4,004	1,169	72	5,004	1,515
25	4,004	875	73	5,004	1,677
26	4,004	875	74	4,004	1,415
27	4,004	875	75	4,004	1,555
28	4,004	875	76	4,004	1,931
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39	5,004	2,028	87	5,004	1,500
40	5,004	1,250	88	5,004	1,699
41	6,504	1,250	89	5,004	2,148
42	6,504	1,250	90	5,004	1,353
43	6,504	1,250	91	5,004	1,250
44	6,504	1,203	92	5,004	1,250
45	6,504	1,214	93	5,004	1,250
46	6,504	2,045	94	5,004	1,250
47	6,504	2,008	95	5,004	1,250
48	6,504	2,591			

KEY MAP



NOT FOR CONSTRUCTION



DATE:	1/25/21	2/17/21	3/31/21	8/23/21	1/25/22
REVISIONS:					
PER CITY AND NWFVMD COMMENTS					
PER NWFVMD AND CITY OF DESTIN COMMENTS					
PER NWFVMD COMMENTS					
ADD 11 LOTS PER OWNER					
REDUCE TO 95 LOTS					

BINKLEY ENGINEERING

Certificate of Authorization No. 32308
434 Benning Drive, Destin, FL 32541
Phone: (850) 974-5421
rsbinkley@gmail.com

INDIAN BAYOU WEST

GRADING & DRAINAGE PLAN (2 OF 7)

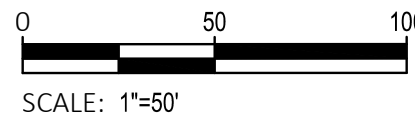
DATE: 8/27/20
SCALE: 1"=50'
SHEET
3.2
TOTAL SHEETS 47



48 HOURS
BEFORE YOU DIG
CALL SUNSHINE ONE
1-800-432-4770
www.callsunshine.com

13

FAIRWAY 2



LEGEND

---	EXISTING GRADE CONTOUR (AT 5' INTERVAL)
---	EXISTING GRADE CONTOUR (AT 1' INTERVAL)
---	FINISHED GRADE CONTOUR (AT 1' INTERVAL)
⊕ 12.00	FINISHED GRADE SPOT ELEVATION
---	SILT FENCE LOCATION
HDPE	HIGH DENSITY POLYETHYLENE PIPE

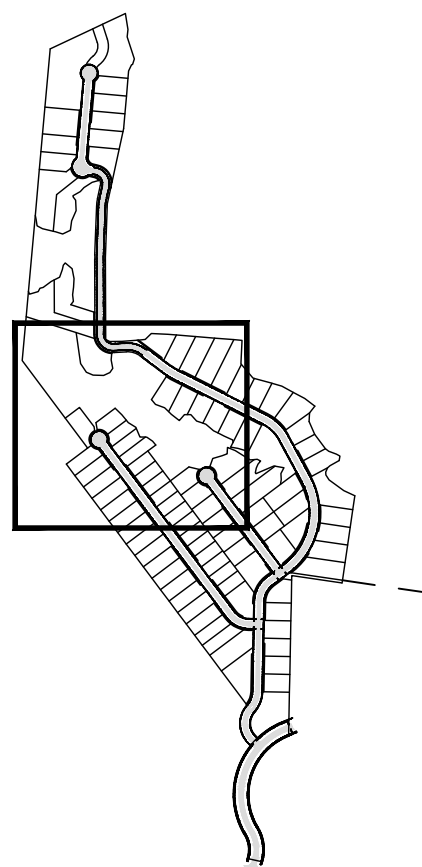
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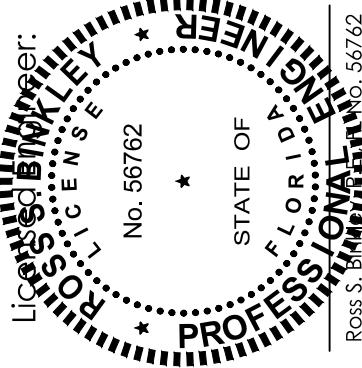
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25	4,004	875	73	5,004	1,677
26	4,004	875	74	4,004	1,415
27	4,004	875	75	4,004	1,555
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41	6,504	1,250	89	5,004	2,148
42	6,504	1,250	90	5,004	1,353
43	6,504	1,250	91	5,004	1,250
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47	6,504	2,008	95	5,004	1,250
48	6,504	2,591			

KEY MAP



NOT FOR CONSTRUCTION



DATE:	1/25/21
REVISIONS:	1/25/21
PER CITY AND NWFVMD COMMENTS	2/17/21
PER NWFVMD AND CITY OF DESTIN COMMENTS	3/31/21
PER NWFVMD COMMENTS	8/23/21
ADD 11 LOTS PER OWNER	1/25/22
REDUCE TO 95 LOTS	

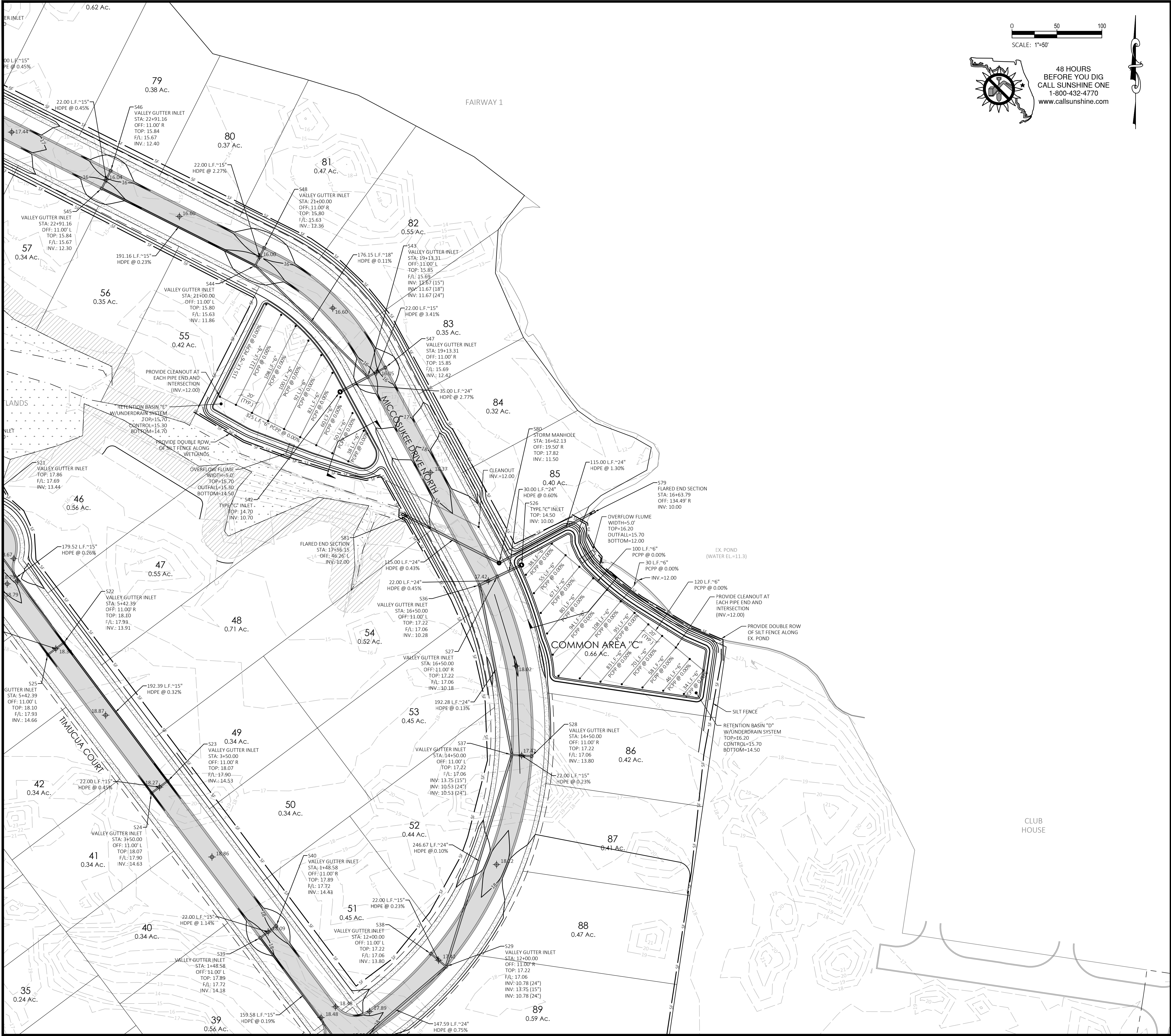
BINKLEY ENGINEERING
Certificate of Authorization No. 32308
434 Benning Drive, Destin, FL 32541
Phone: (850) 974-5421
rsbinkley@gmail.com

INDIAN BAYOU WEST

GRADING & DRAINAGE PLAN (3 OF 7)

DATE: 8/27/20
SCALE: 1"=50'
SHEET

3.3
TOTAL SHEETS 47



050100

0 50 100

SCALE: 1"=50'

48 HOURS
BEFORE YOU DIG
CALL SUNSHINE ONE
1-800-432-4770
www.callsunshine.com

LEGEND

---	EXISTING GRADE CONTOUR (AT 5' INTERVAL)
---	EXISTING GRADE CONTOUR (AT 1' INTERVAL)
---	FINISHED GRADE CONTOUR (AT 1' INTERVAL)
⊕ 12.00	FINISHED GRADE SPOT ELEVATION
---	SILT FENCE LOCATION
HDPE	HIGH DENSITY POLYETHYLENE PIPE

NOTES

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LOT RETENTION REQUIREMENT

LOT	MAX. IMPERVIOUS (S.F.)	1" VOLUME (c.f.)	LOT	MAX. IMPERVIOUS (S.F.)	1" VOLUME (c.f.)
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48	6,504	2,591			

KEY MAP

NOT FOR CONSTRUCTION

INDIAN BAYOU WEST

GRADING & DRAINAGE PLAN (4 OF 7)

DATE: 8/27/20

SCALE: 1"=50'

SHEET

3.4

TOTAL SHEETS 47

REVISIONS:

DATE:	1/25/21	2/17/21	3/31/21	8/23/21	1/25/22
BY:	PER CITY AND NWFVMD COMMENTS	PER NWFVMD AND CITY OF DESTIN COMMENTS	PER NWFVMD COMMENTS	ADD 11 LOTS PER OWNER	REDUCE TO 95 LOTS

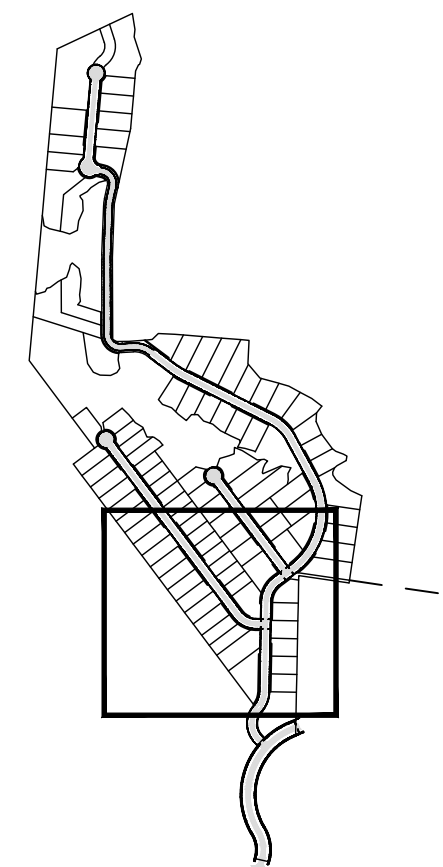
PROJECT INFORMATION:

PROJECT:	INDIAN BAYOU WEST
OWNER:	STATE OF FLORIDA
DESIGNER:	BINKLEY ENGINEERING
DATE:	8/27/20

48 HOURS
BEFORE YOU DIG
CALL SUNSHINE ONE
1-800-432-4770
www.callsunshine.com



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EXISTING GRADE CONTOUR (AT 5' INTERVAL)
EXISTING GRADE CONTOUR (AT 1' INTERVAL)
FINISHED GRADE CONTOUR (AT 1' INTERVAL)
FINISHED GRADE SPOT ELEVATION
SILT FENCE LOCATION
HIGH DENSITY POLYETHYLENE PIPE

1. CONTOUR INTERVAL = ONE FOOT.
2. PROPOSED CONTOURS AND SPOT ELEVATIONS REPRESENT FINISHED GRADE.
3. STORMWATER RUNOFF, SEDIMENT, AND EROSION SHALL BE CONTROLLED DURING ALL PHASES OF CONSTRUCTION.
4. MATCH EXISTING EDGE OF PAVEMENT GRADE WHEREVER NEW PAVEMENT EDGE MEETS THE EXISTING EDGE.
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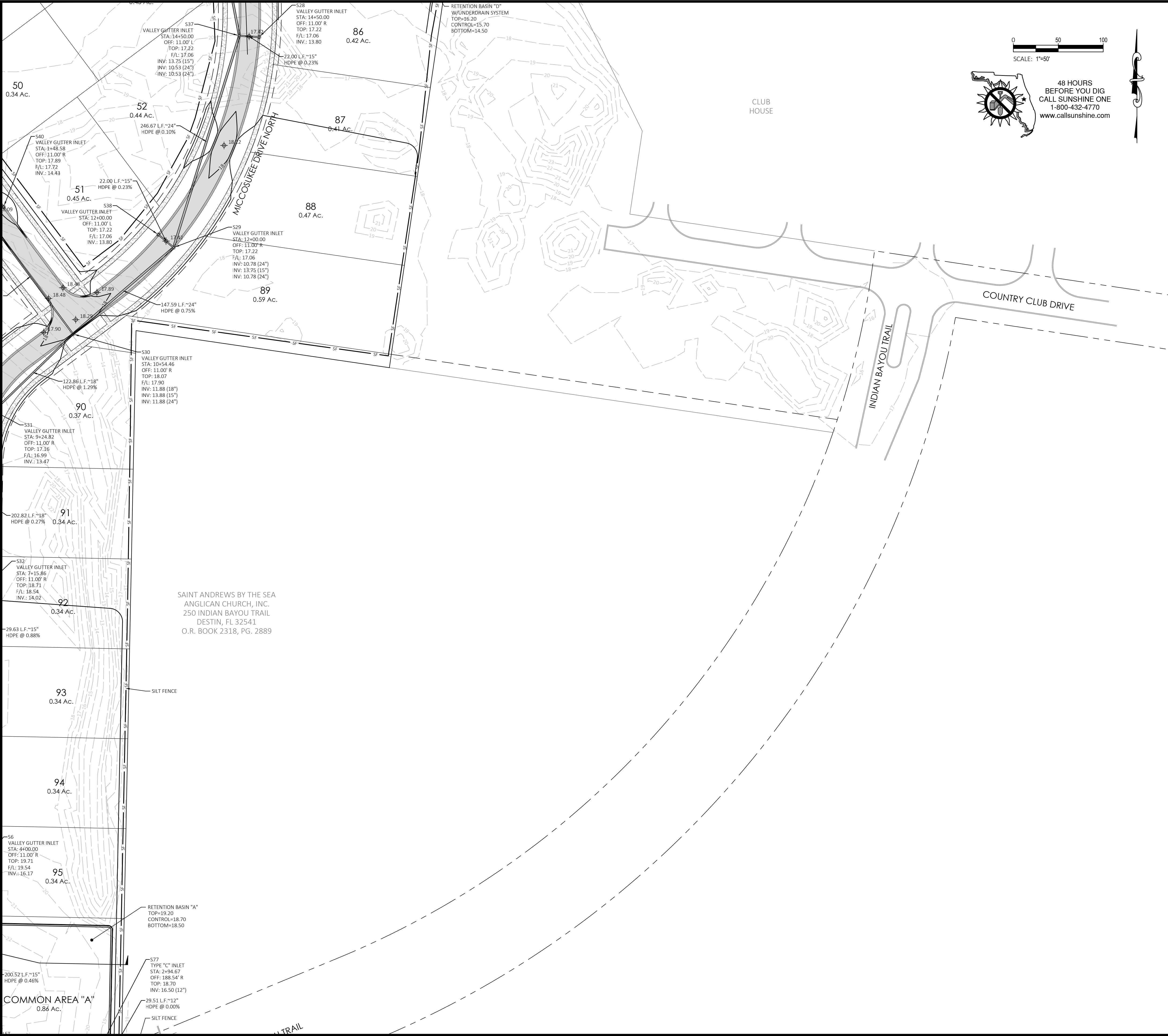
NOT FOR CONSTRUCTION

REVISIONS:	DATE:
△ PER CITY AND NHP/WMDC COMMENTS	1/25/21
△ PER NHP/WMDC AND CITY OF DESTIN COMMENTS	2/17/21
△ PER NHP/WMDC COMMENTS	3/3/21
△ ADD 11 LOTS PER OWNER	8/23/21
△ REDUCE TO 95 LOTS	1/25/22
△	
△	

Certificate of Authorization No. 32308
434 Benning Drive, Destin, FL 32541
Phone: (850) 974-5421
rsbinkley@gmail.com

GRADING & DRAINAGE PLAN (5 OF 7)

3.5



LEGEND

---	EXISTING GRADE CONTOUR (AT 5' INTERVAL)
---	EXISTING GRADE CONTOUR (AT 1' INTERVAL)
---	FINISHED GRADE CONTOUR (AT 1' INTERVAL)
⊕ 12.00	FINISHED GRADE SPOT ELEVATION
---	SILT FENCE LOCATION
HDPE	HIGH DENSITY POLYETHYLENE PIPE

NOTES

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KEY MAP

REVISIONS:

DATE:	1/25/21
2/17/21	
3/31/21	
8/23/21	
1/25/22	

PER CITY AND NWFVMD COMMENTS

PER NWFVMD AND CITY OF DESTIN COMMENTS

PER NWFVMD COMMENTS

ADD 11 LOTS PER OWNER

REDUCE TO 95 LOTS

INDIAN BAYOU WEST

GRADING & DRAINAGE PLAN (6 OF 7)

DATE: 8/27/20

SCALE: 1"=50'

SHEET

3.6

TOTAL SHEETS 47

NOT FOR CONSTRUCTION

48 HOURS BEFORE YOU DIG CALL SUNSHINE ONE 1-800-432-4770 www.callsunshine.com

REVISIONS:

DATE:	1/25/21
2/17/21	
3/31/21	
8/23/21	
1/25/22	

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PER NWFVMD AND CITY OF DESTIN COMMENTS

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INDIAN BAYOU WEST

GRADING & DRAINAGE PLAN (6 OF 7)

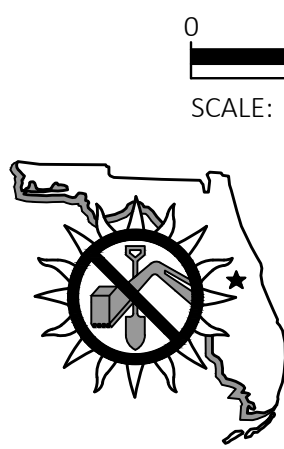
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OKALOOSA BCC
DESTIN AIRPORT

BOOGIES
LEASING

EAST LINE AIRPORT PLACE 1
PLAT BOOK 14, PAGE 34

AIRPORT ROAD

NOT INCLUDED

NOT INCLUDED

CITY OF DESTIN

COMMON AREA "A"
0.86 AC.

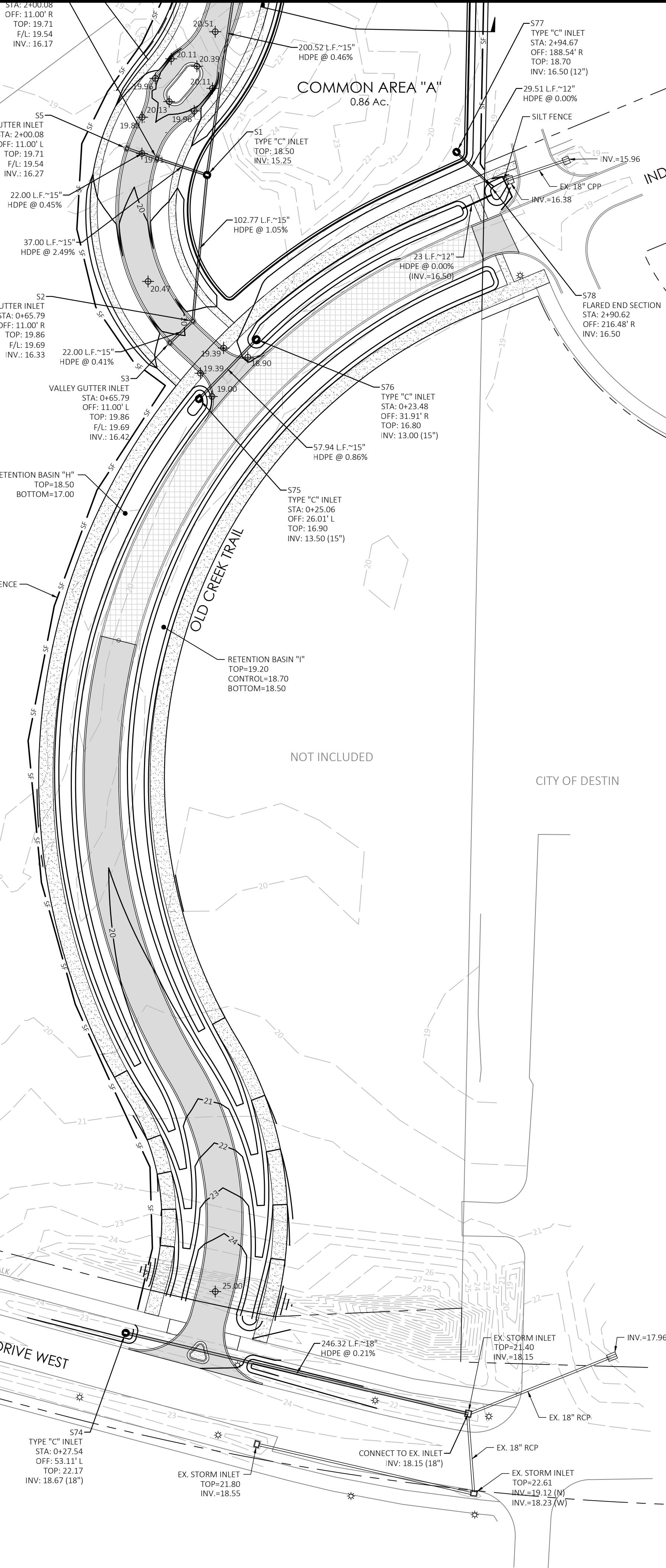
INDIAN BAYOU TRAIL

INDIAN LAKE

INDIAN BAYOU TRAIL

OLD CREEK TRAIL

COMMONS DRIVE WEST



LEGEND

---	EXISTING GRADE CONTOUR (AT 5' INTERVAL)
---	EXISTING GRADE CONTOUR (AT 1' INTERVAL)
---	FINISHED GRADE CONTOUR (AT 1' INTERVAL)
12.00	FINISHED GRADE SPOT ELEVATION
---	SILT FENCE LOCATION
HDPE	HIGH DENSITY POLYETHYLENE PIPE

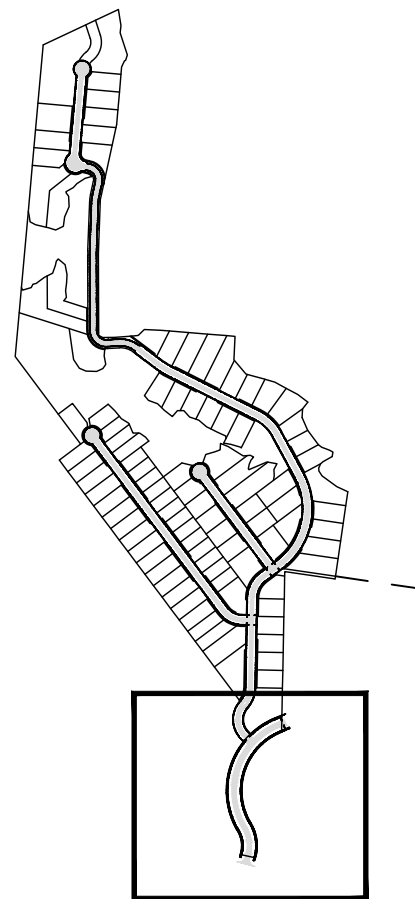
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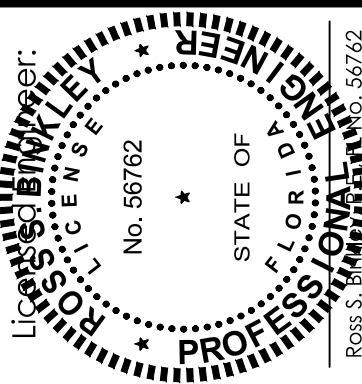
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48	6,504	2,591			

KEY MAP



NOT FOR CONSTRUCTION



DATE:	1/25/21	2/17/21	3/31/21	8/23/21	1/25/22
REVISIONS:					
PER CITY AND NWFVMD COMMENTS					
PER NWFVMD AND CITY OF DESTIN COMMENTS					
PER NWFVMD COMMENTS					
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REDUCE TO 95 LOTS					

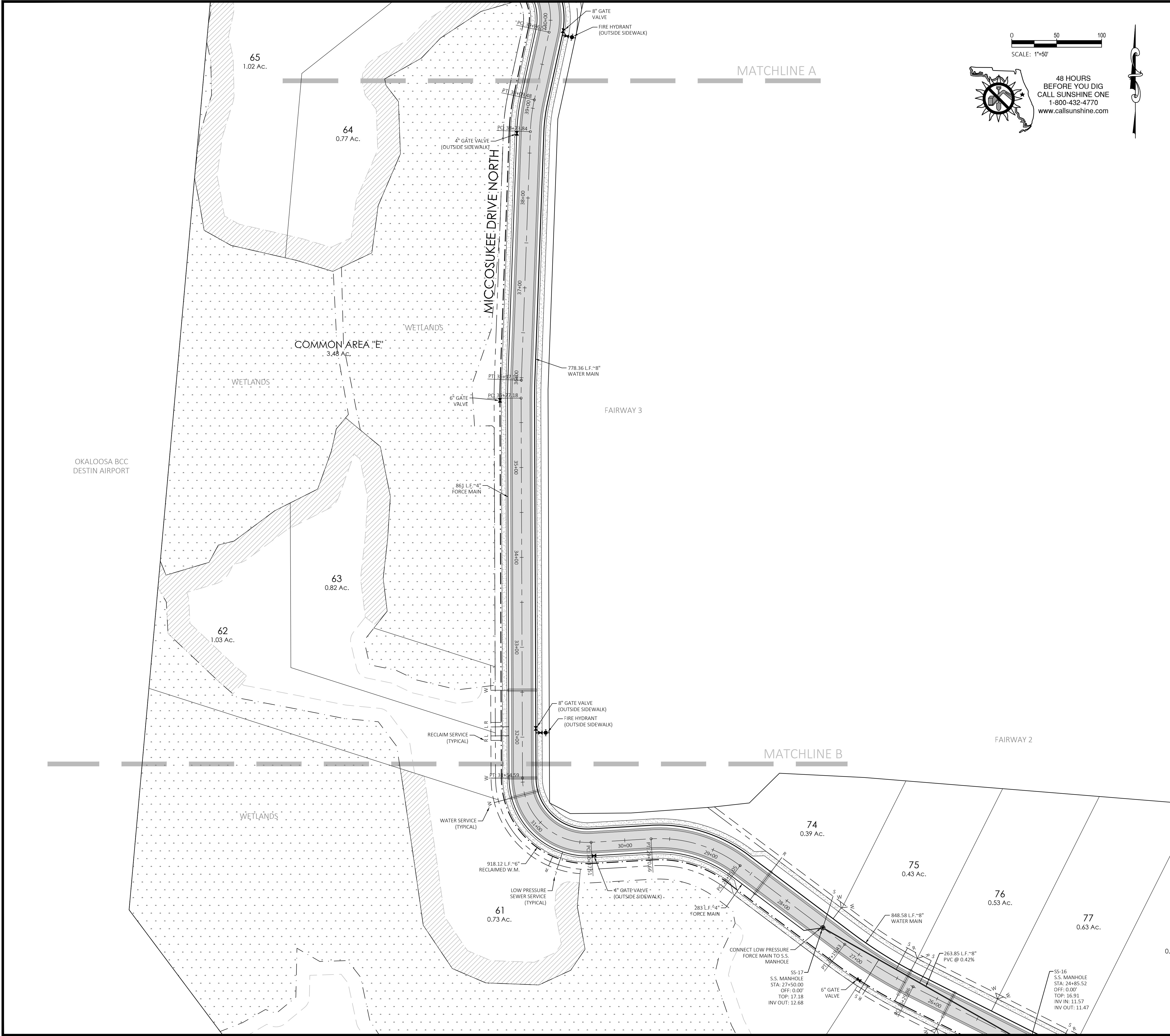
BINKLEY ENGINEERING
Certificate of Authorization No. 32308
434 Benning Drive, Destin, FL 32541
Phone: (850) 974-5421
rsbinkley@gmail.com

INDIAN BAYOU WEST

GRADING & DRAINAGE PLAN (7 OF 7)

DATE: 8/27/20
SCALE: 1"=50'
SHEET

3.7
TOTAL SHEETS 47



0 50 100
SCALE: 1"=50'

48 HOURS
BEFORE YOU DIG
CALL SUNSHINE ONE
1-800-432-4770
www.callsunshine.com

NOTES

1. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION.
2. IF THE LOCATION OR ELEVATION IS SUBSTANTIALLY DIFFERENT FROM THAT SHOWN ON THE PLANS, OR IF CONFLICTS EXIST, THE ENGINEER SHALL BE NOTIFIED.
3. CONTRACTOR SHALL HAVE ALL APPLICABLE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND LOCAL PERMITS PRIOR TO BEGINNING CONSTRUCTION.
4. TAPS INTO EXISTING UTILITIES SHALL BE COORDINATED WITH THE LOCAL UTILITY COMPANY. ALL TAPS SHALL BE MADE IN AN EXPEDITIOUS MANNER TO MINIMIZE INTERRUPTION OF SERVICE.
5. WHERE SEWER SERVICES TIE DIRECTLY INTO SANITARY SEWER MANHOLES, MATCH CROWNS OF THE ENTERING SERVICE WITH THE EXITING MAIN.
6. CONTRACTOR SHALL NOTIFY DESTIN WATER USERS AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
7. CONTRACTOR SHALL OBTAIN A UTILITY PERMIT FROM OKALOOSA COUNTY PUBLIC WORKS FOR ALL UTILITY CONSTRUCTION WITHIN COUNTY EASEMENTS AND RIGHTS-OF-WAY.
8. COORDINATE UTILITY INSTALLATION WITH GULF POWER AND DESTIN WATER USERS.
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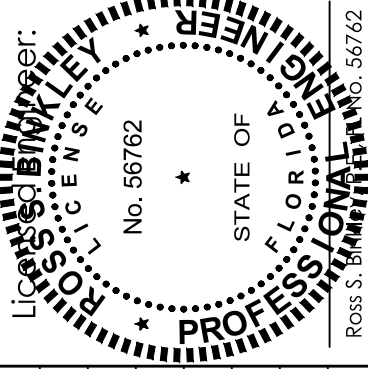
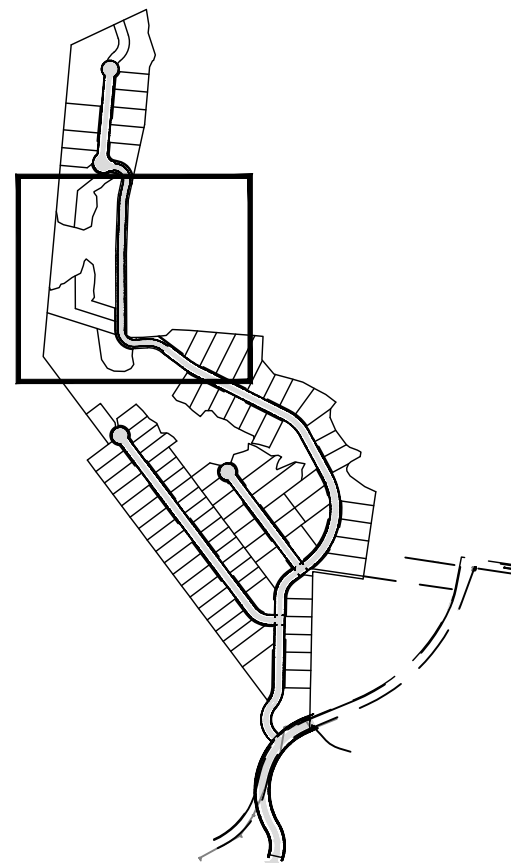
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COMPANY	ADDRESS	PHONE
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OKALOOSA GAS DISTRICT	367 VALPARAISO BLVD. VALPARAISO, FL 32580	(850) 729-4700

LEGEND

EXISTING	
	EXISTING WATER LINE
	EXISTING SANITARY SEWER MAIN
	EXISTING FORCE MAIN
	EXISTING RECLAIMED WATER LINE
	EXISTING GATE VALVE
	EXISTING FIRE HYDRANT
	EXISTING SANITARY SEWER MANHOLE
	EXISTING OVERHEAD UTILITY LINE
	EXISTING UTILITY POLE
	EXISTING LIGHT POLE
PROPOSED	
	SANITARY SEWER MAIN
	WATER MAIN
	RECLAIMED WATER MAIN
	FORCE MAIN
	SINGLE SANITARY SEWER SERVICE
	DOUBLE SANITARY SEWER SERVICE
	SINGLE WATER SERVICE
	DOUBLE WATER SERVICE
	SINGLE RECLAIMED WATER SERVICE
	DOUBLE RECLAIMED WATER SERVICE
	LOW PRESSURE SEWER SERVICE
	SANITARY SEWER MANHOLE
	GATE VALVE
	FIRE HYDRANT

KEY MAP



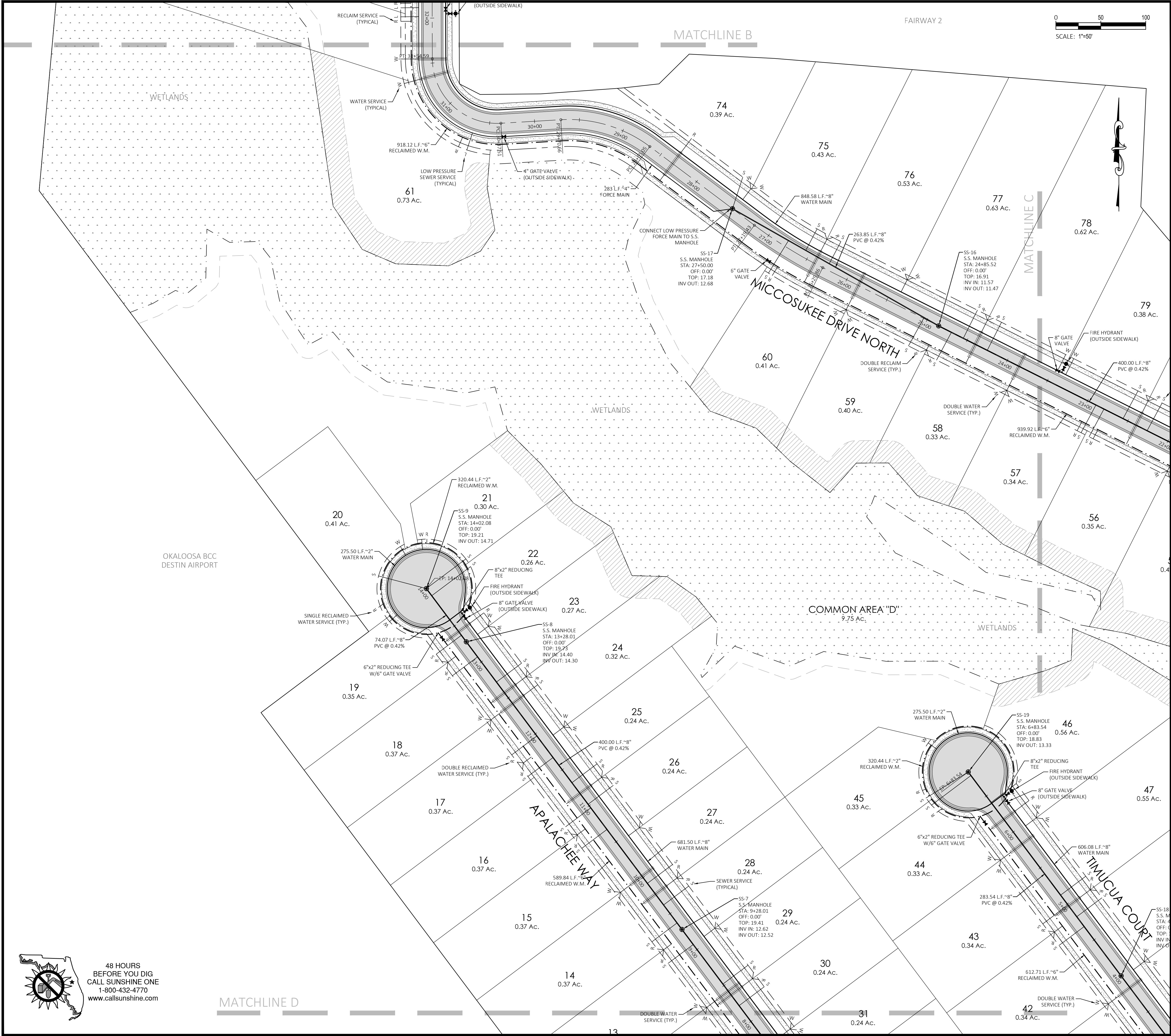
DATE:	9/29/20	1/25/21	2/17/21	3/31/21	8/23/21	9/15/21	1/25/22
REVISIONS:	ADD OKALOOSA GAS DISTRICT NOTE PRE-CITY COMMENTS	PER FDEP & DWU COMMENTS	PER NWFWMD AND CITY OF DESTIN COMMENTS	PER NWFWMD COMMENTS	ADD 11 LOTS PER OWNER	SIZE OF LOW PRESSURE MAIN	REDUCE TO 95' LOTS

BINKLEY ENGINEERING

Certificate of Authorization No. 32308
434 Benning Drive, Destin, FL 32541
Phone: (850) 974-5421
rsbinkley@gmail.com

INDIAN BAYOU WEST
UTILITY PLAN (2 OF 7)

NOT FOR CONSTRUCTION



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www.callsunshine.com

MATCHLINE D

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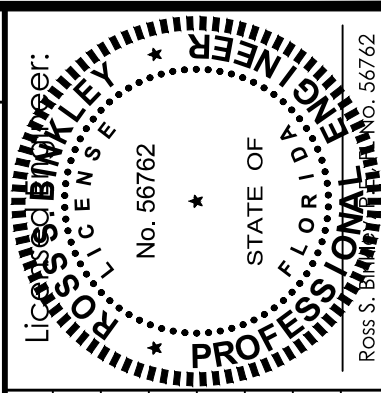
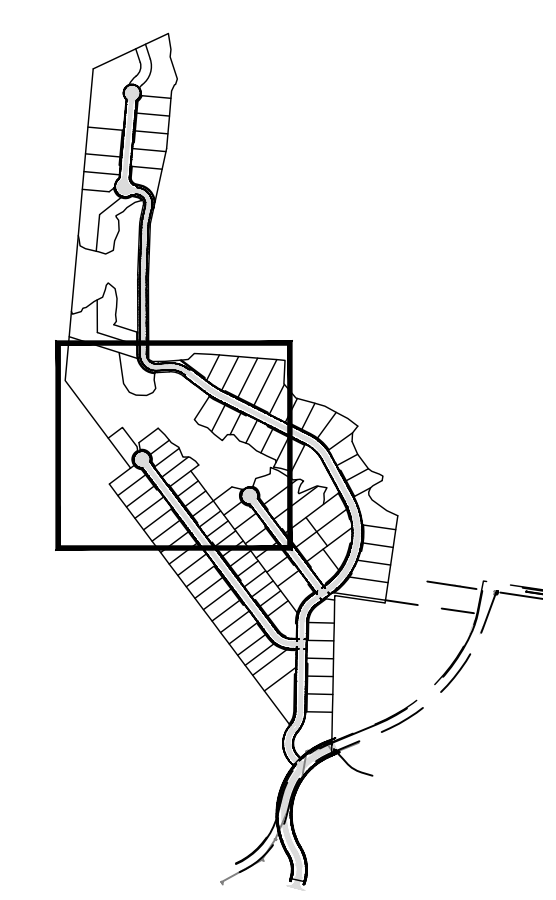
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LEGEND

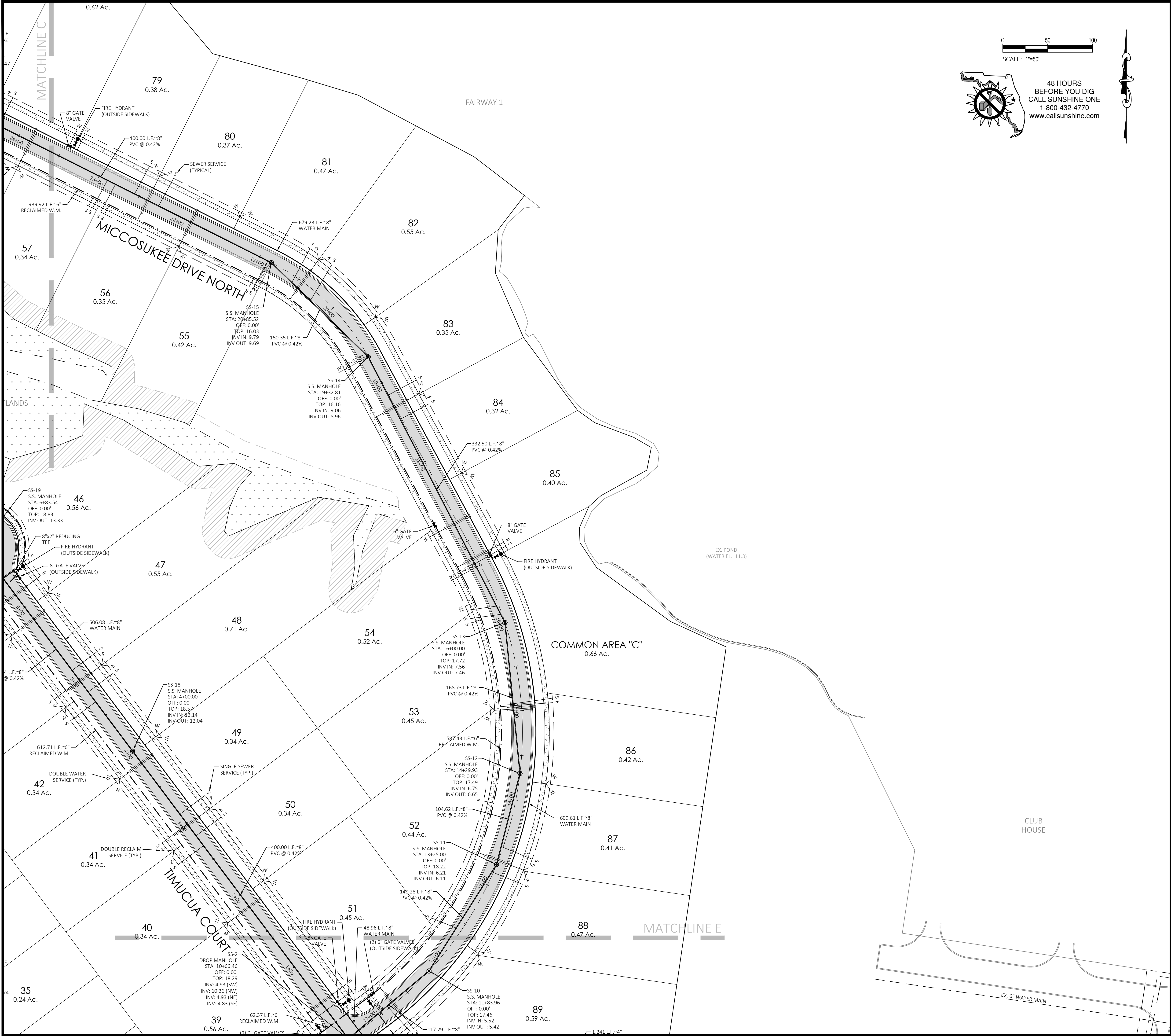
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	EXISTING FORCE MAIN
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	GATE VALVE
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INDIAN BAYOU WEST

UTILITY PLAN (4 OF 7)

DATE: 8/27/20

SCALE: 1"=50'

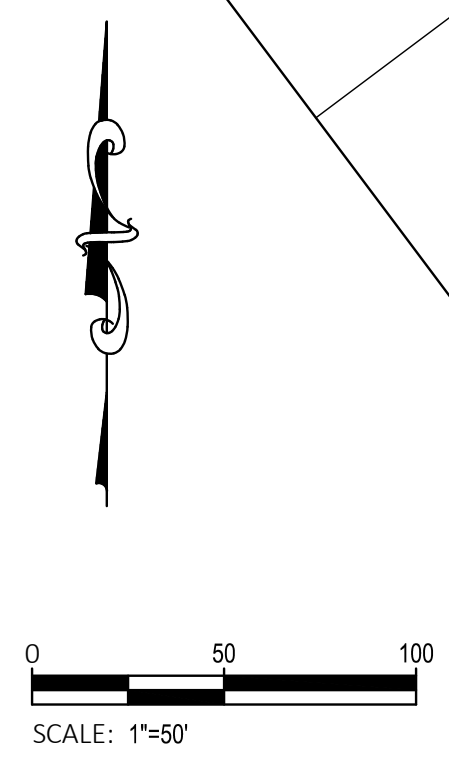
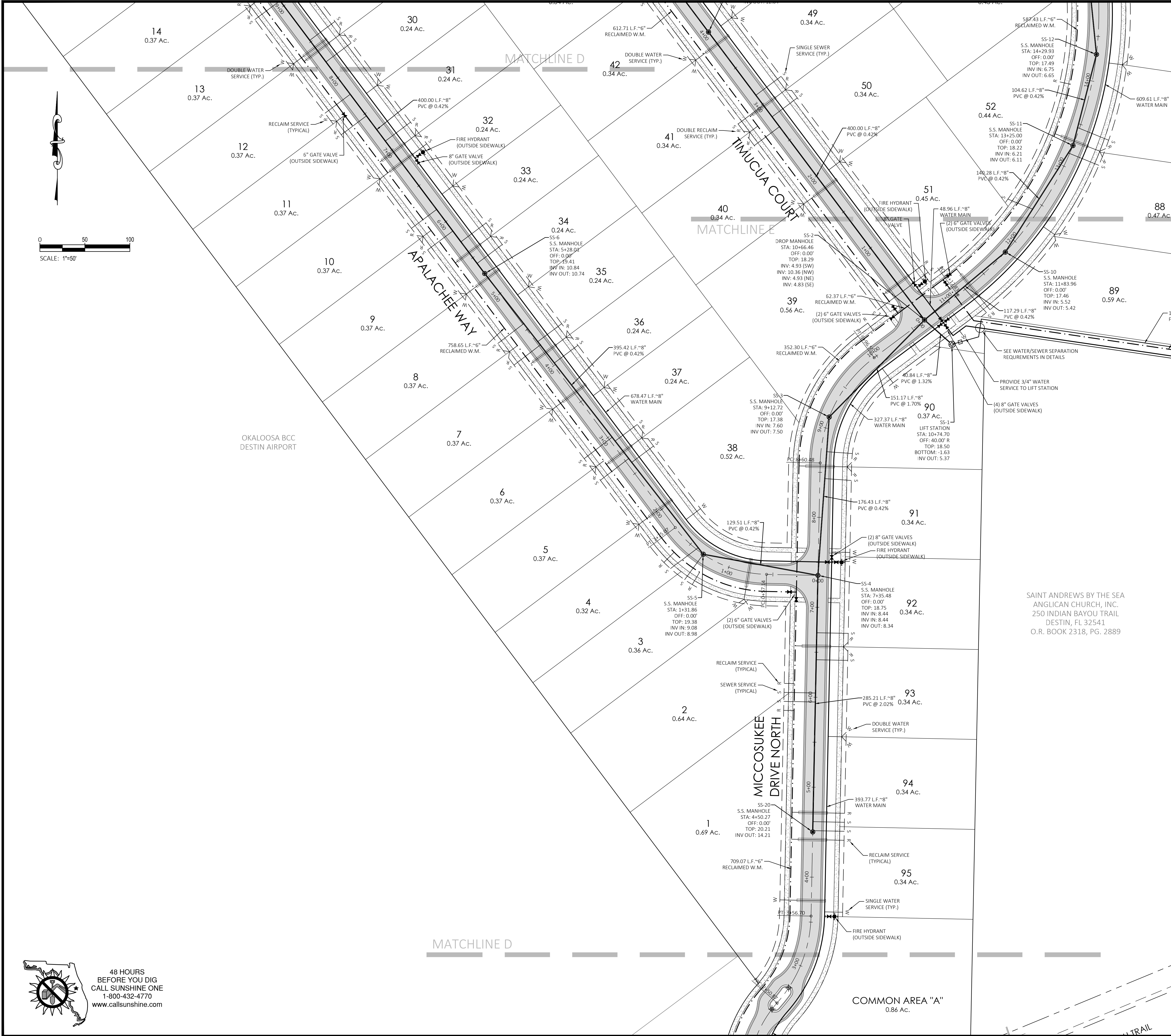
SHEET

4.4

TOTAL SHEETS 47

REVISIONS:

DATE:	REVISIONS:
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---	EXISTING OVERHEAD UTILITY LINE
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---	RECLAIMED WATER MAIN
---	FORCE MAIN
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KEY MAP

NOT FOR CONSTRUCTION

DATE: 8/27/20
SCALE: 1"=50'
SHEET

4.5
TOTAL SHEETS 47

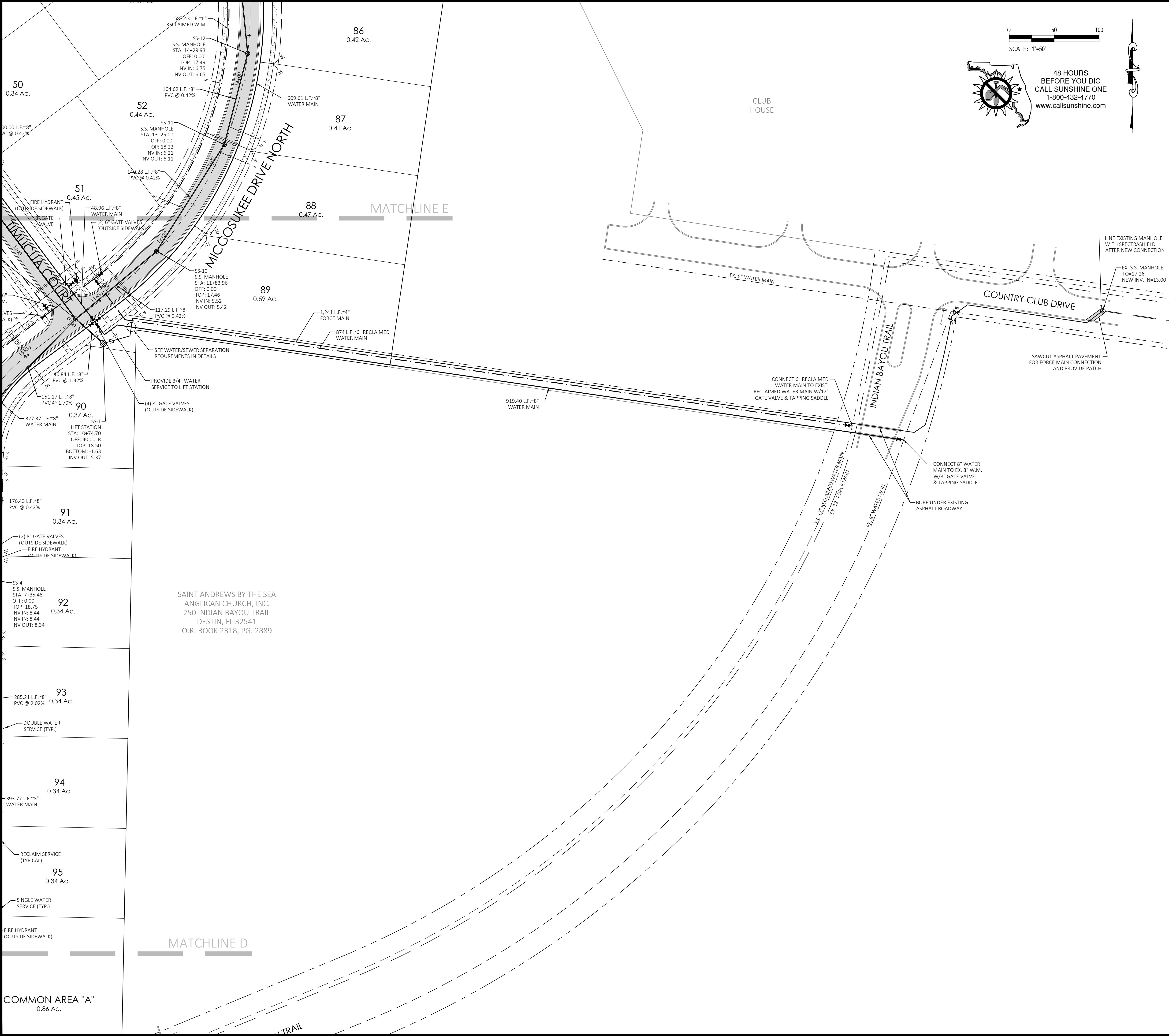
BINKLEY ENGINEERING

Indian Bayou West

UTILITY PLAN (5 OF 7)

DATE: 8/27/20
SCALE: 1"=50'
SHEET

4.5
TOTAL SHEETS 47



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⊗	FIRE HYDRANT

KEY MAP

NOT FOR CONSTRUCTION

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SCALE: 1"=50'

SHEET

4.6

TOTAL SHEETS 47

INDIAN BAYOU WEST

UTILITY PLAN (6 OF 7)

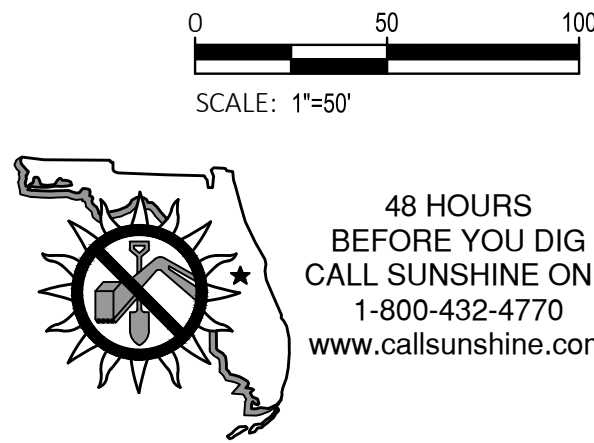
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MATCHLINE D

OKALOOSA BCC
DESTIN AIRPORT

BOOGIES
LEASING

EAST LINE AIRPORT PLACE 1
PLAT BOOK 14, PAGE 34

AIRPORT ROAD

NOT INCLUDED

NOT INCLUDED

CITY OF DESTIN

COMMON AREA "A"
0.86 AC.

MICCOSUKEE DRIVE NORTH

INDIAN BAYOU TRAIL

INDIAN LAKE

COMMONS DRIVE WEST

EX 5' CONCRETE WALK

371.28 LF -8" WATER MAIN

CONNECT 6" RECLAIMED
WATER MAIN TO EXIST.
RECLAIMED WATER MAIN W/12"
GATE VALVE & TAPPING SADDLE

CONNECT 8" WATER
MAIN TO EX. 8" W.M.
W/8" GATE VALVE
& TAPPING SADDLE

OLD CREEK TRAIL

INDIAN BAYOU TRAIL

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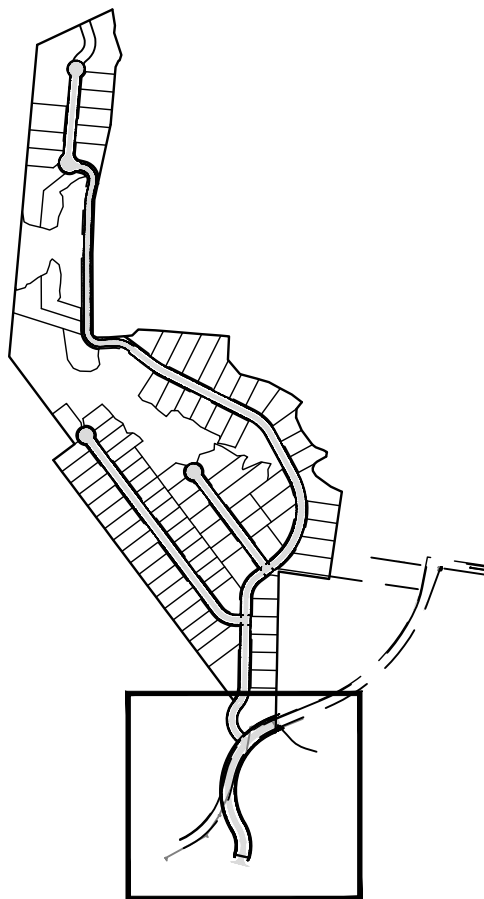
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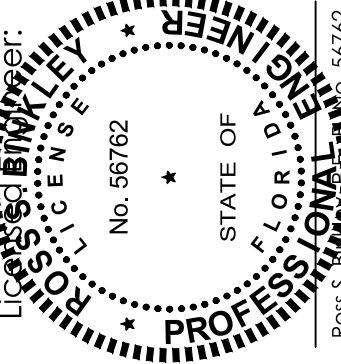
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EXISTING	
	EXISTING WATER LINE
	EXISTING SANITARY SEWER MAIN
	EXISTING FORCE MAIN
	EXISTING RECLAIMED WATER LINE
	EXISTING GATE VALVE
	EXISTING FIRE HYDRANT
	EXISTING SANITARY SEWER MANHOLE
	EXISTING OVERHEAD UTILITY LINE
	EXISTING UTILITY POLE
	EXISTING LIGHT POLE
PROPOSED	
	SANITARY SEWER MAIN
	WATER MAIN
	RECLAIMED WATER MAIN
	FORCE MAIN
	SINGLE SANITARY SEWER SERVICE
	DOUBLE SANITARY SEWER SERVICE
	SINGLE WATER SERVICE
	DOUBLE WATER SERVICE
	SINGLE RECLAIMED WATER SERVICE
	DOUBLE RECLAIMED WATER SERVICE
	LOW PRESSURE SEWER SERVICE
	SANITARY SEWER MANHOLE
	GATE VALVE
	FIRE HYDRANT

KEY MAP



NOT FOR CONSTRUCTION

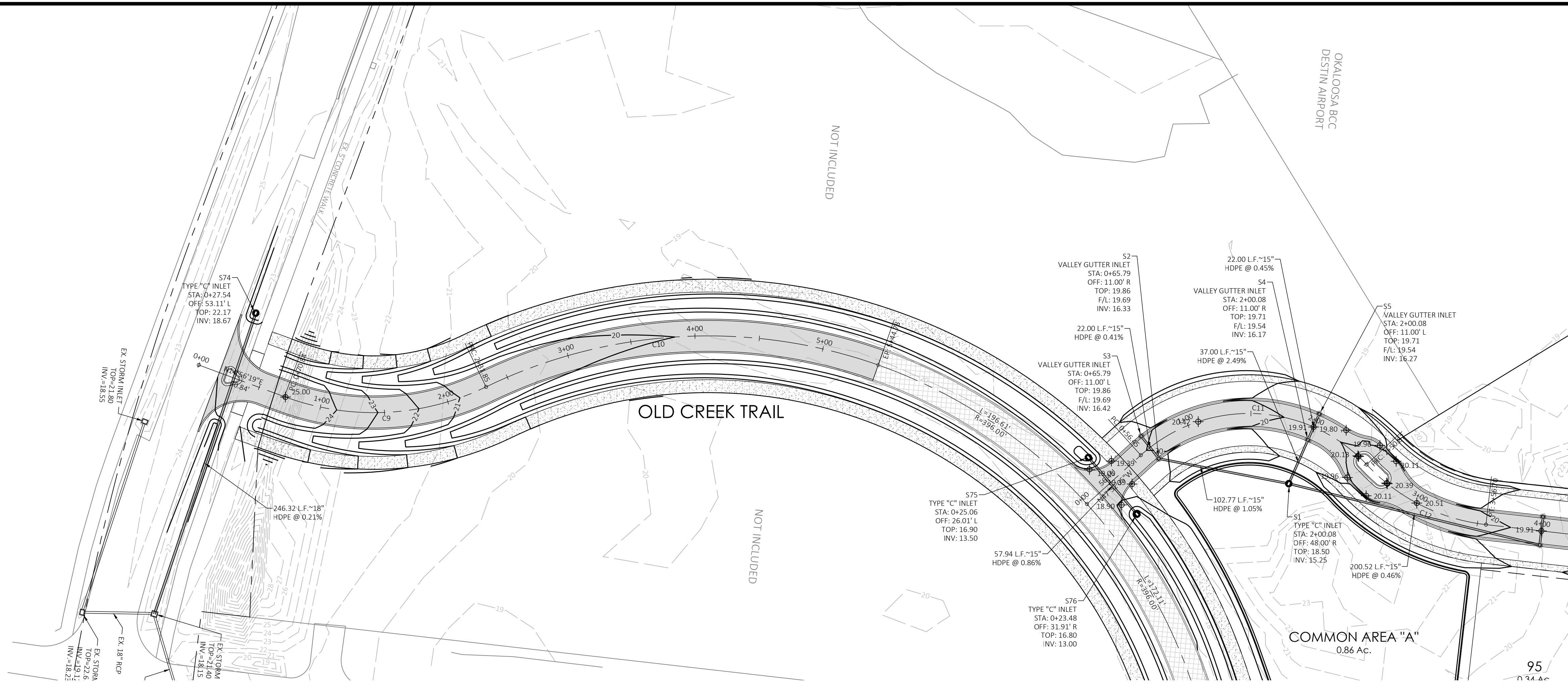


DATE:	9/29/09	1/25/21	2/17/21	3/31/21	8/23/21	1/25/22
REVISIONS:	ADD OKALOOSA GAS DISTRICT NOTE PRE CITY COMMENTS	PER EDEP & DWU COMMENTS	PER NWFWMD AND CITY OF DESTIN COMMENTS	PER NWFWMD COMMENTS	ADD 11 LOTS PER OWNER	REDUCE TO 95 LOTS

BINKLEY ENGINEERING
Certificate of Authorization No. 32308
434 Benning Drive, Destin, FL 32541
Phone: (850) 974-5421
rsbinkley@gmail.com

INDIAN BAYOU WEST

UTILITY PLAN (7 OF 7)



PROFILE



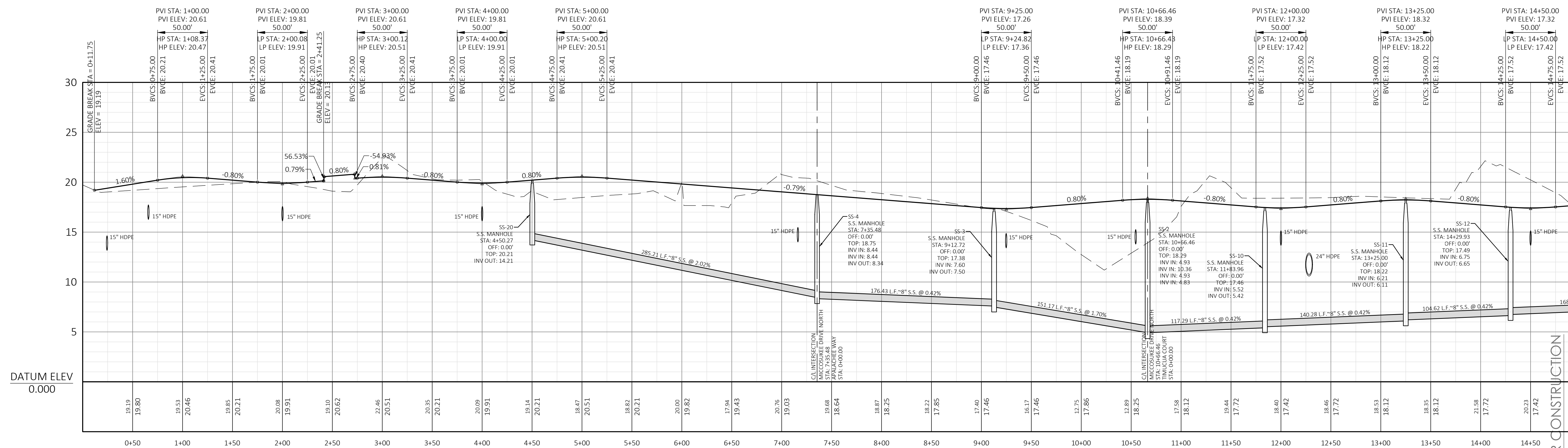
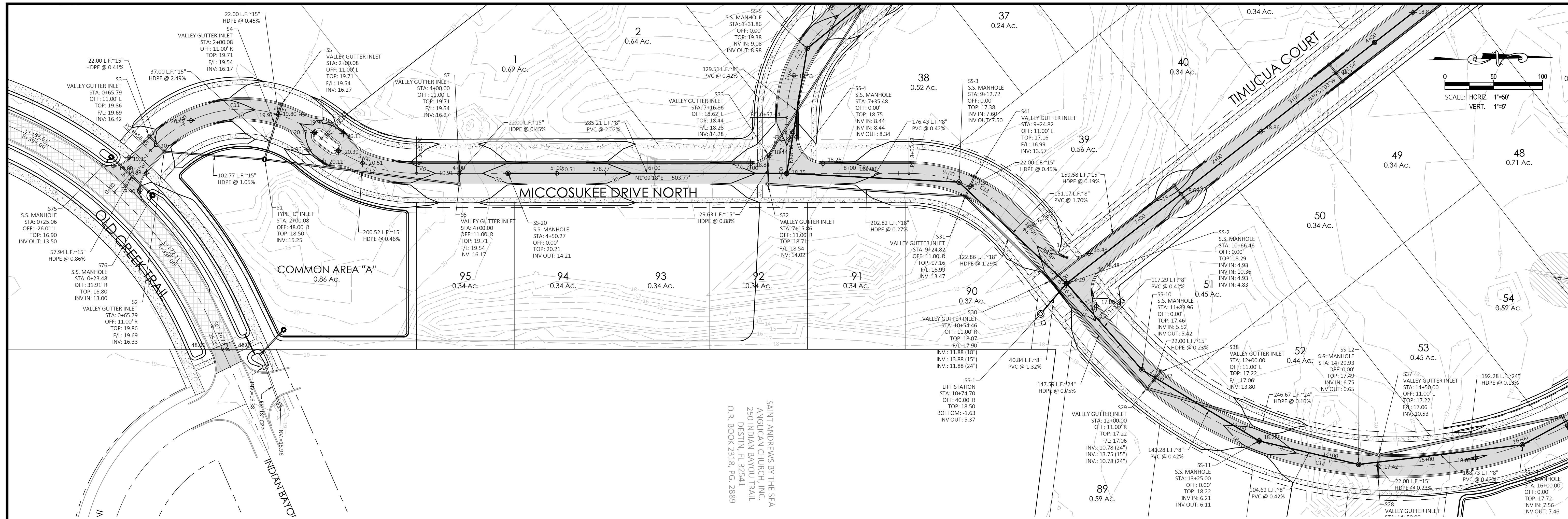
REVISIONS:		DATE:
1	PER CITY & DMU COMMENTS	1/25/21
2	PER NWF WMD AND CITY OF DRESTIN COMMENTS	2/17/21
3	PER NWF WMD COMMENTS	3/9/21
4	ADD 11 LOTS PER OWNER	8/23/21
5	REDUCE TO 95 LOTS	1/25/22
6		
7		

INDIAN BAYOU WEST

PLAN & PROFILE

OLD CREEK TRAIL

DATE: 8/27/20
SCALE: 1"=50' H / 1"=5' V
SHEET
5.1
TOTAL SHEETS 47



Licensed Engineer:
ROSS S. BINKLEY
No. 56762
*
STATE OF FLORIDA
PROFESSIONAL ENGINEER
ROSS S. BINKLEY, No. 56762

DATE	REMARKS
1/25/21	PER CITY & DOW COMMENTS
2/17/21	PER NHTWMD AND CITY OF DESTIN COMMENTS
3/3/21	PER NHTWMD COMMENTS
8/2/21	ADD 11 LOTS PER OWNER
1/25/22	REDUCE TO 95 LOTS

**B^E BINKLEY
ENGINEERING**

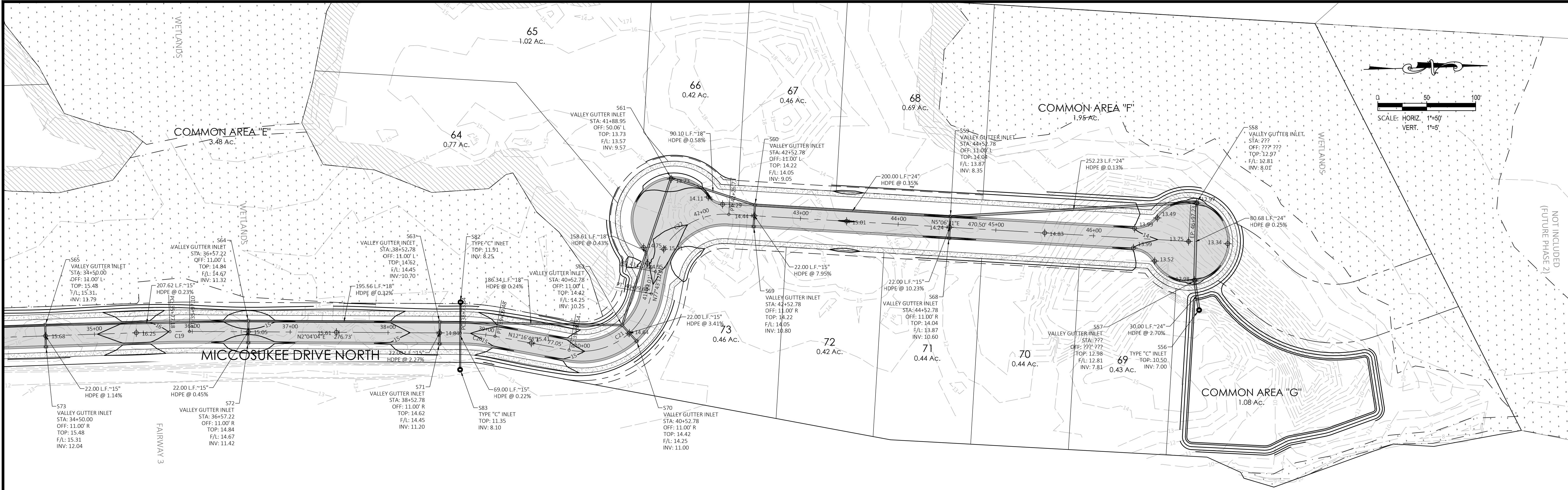
Certificate of Authorization No. 32308
434 Benning Drive, Destin, FL 32541
Phone: (850) 974-5421
rbinkley@gmail.com

INDIAN BAYOU WEST

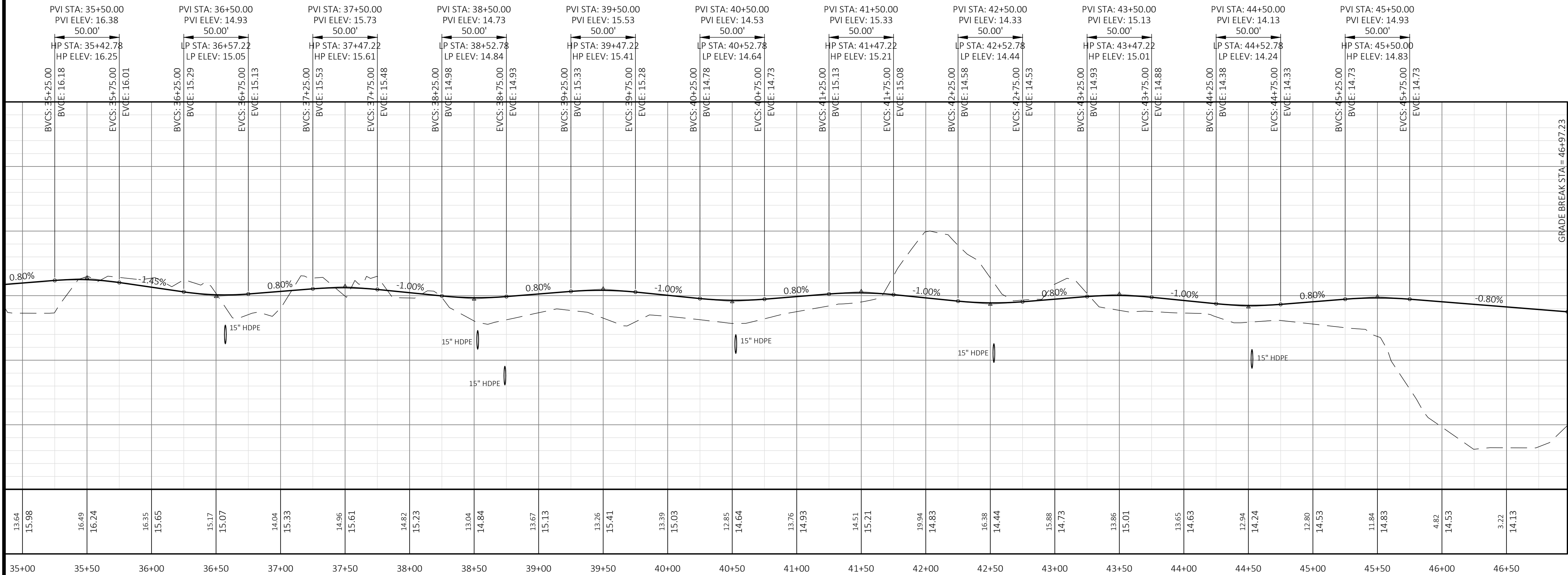
PLAN & PROFILE

MICCOSUKEE DRIVE NORTH (STA: 0+00 ~ 14+50)

DATE: 8/27/20	
SCALE: 1"=50' H / 1"=5' V	
SHEET	
5.2	
TOTAL SHEETS <u>47</u>	

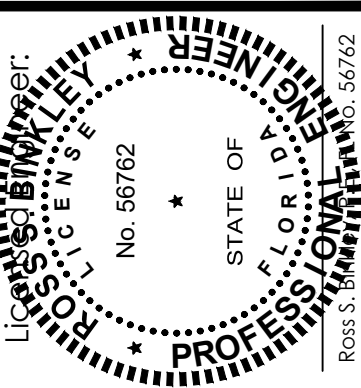


PLAN VIEW



PROFILE

NOT FOR CONSTRUCTION

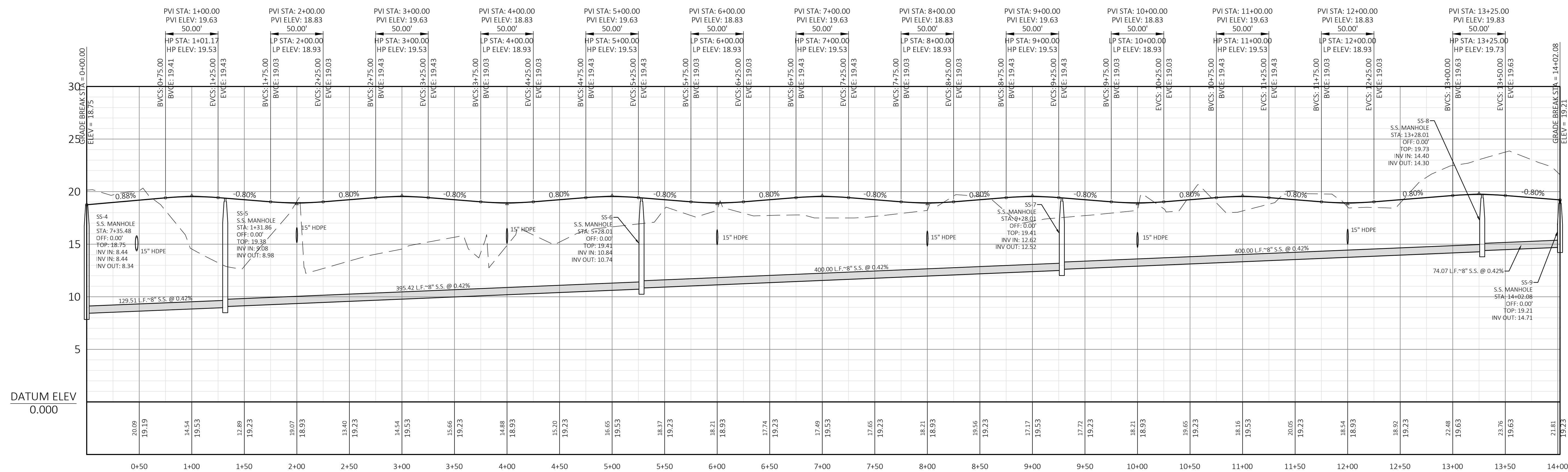
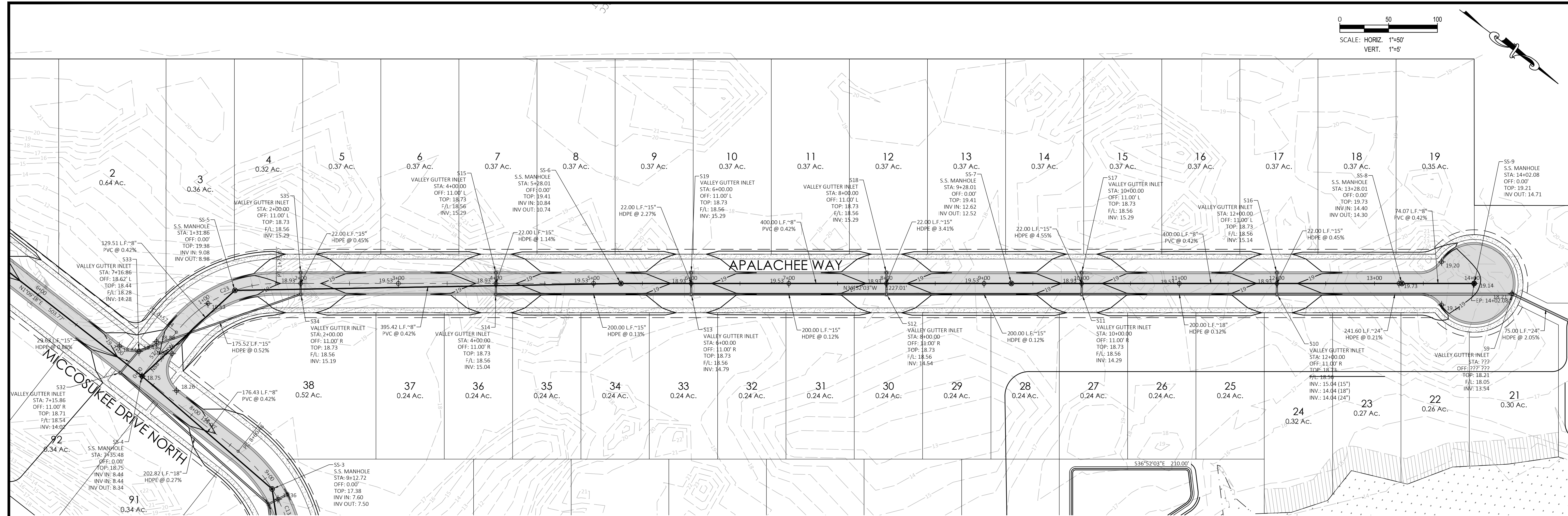


DATE:	1/25/21	2/17/21	3/31/21	8/23/21	1/25/22
REVISIONS:	PER CITY & DWM COMMENTS	PER NWFVMD AND CITY OF DESTIN COMMENTS	PER NWFVMD COMMENTS	ADD 11 LOTS PER OWNER	REDUCE TO 95 LOTS

B BINKLEY ENGINEERING
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434 Benning Drive, Destin, FL 32541
Phone: (850) 974-5421
rsbinkley@gmail.com

INDIAN BAYOU WEST
PLAN & PROFILE
MICCOSUKEE DRIVE NORTH (STA: 35+00 ~ END)

DATE: 8/27/20
SCALE: 1"=50' H / 1"=5' V
SHEET
5.5
TOTAL SHEETS 47



NOT FOR CONSTRUCTION

A circular professional engineer seal for the State of Florida. The outer ring contains the text "PROFESSIONAL ENGINEER" at the top and "STATE OF FLORIDA" at the bottom, separated by two stars. Inside the ring, the name "ROSS BINKLEY" is written in a larger font, with "LICENSED" below it. In the center, the number "No. 58762" is displayed.

REVISIONS:	DATE:
1. PER CITY & DMU COMMENTS	1/25/21
2. PER NWFWMD AND CITY OF DESTIN COMMENTS	2/17/21
3. PER NWFWMD COMMENTS	3/31/21
4. ADD 11 LOTS PER OWNER	8/25/21
5. REDUCE TO 95 LOTS	1/25/22
6.	
7.	

**B² BINKLEY
ENGINEERING**

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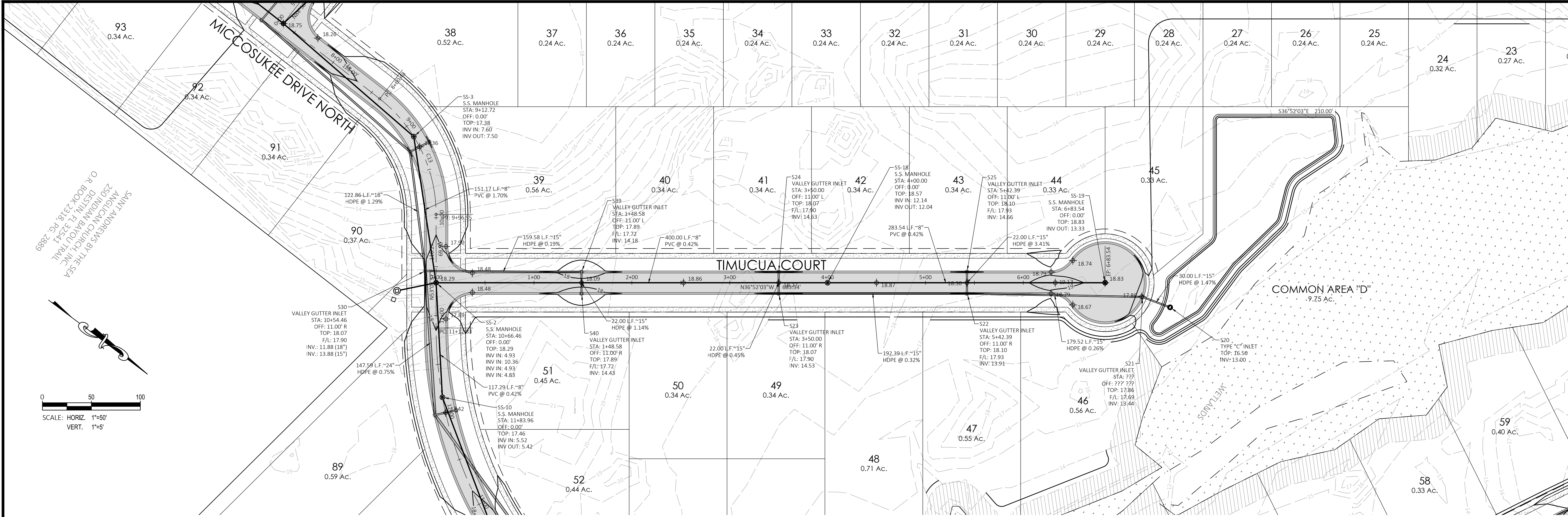
INDIAN BAYOU WEST

PLAN & PROFILE

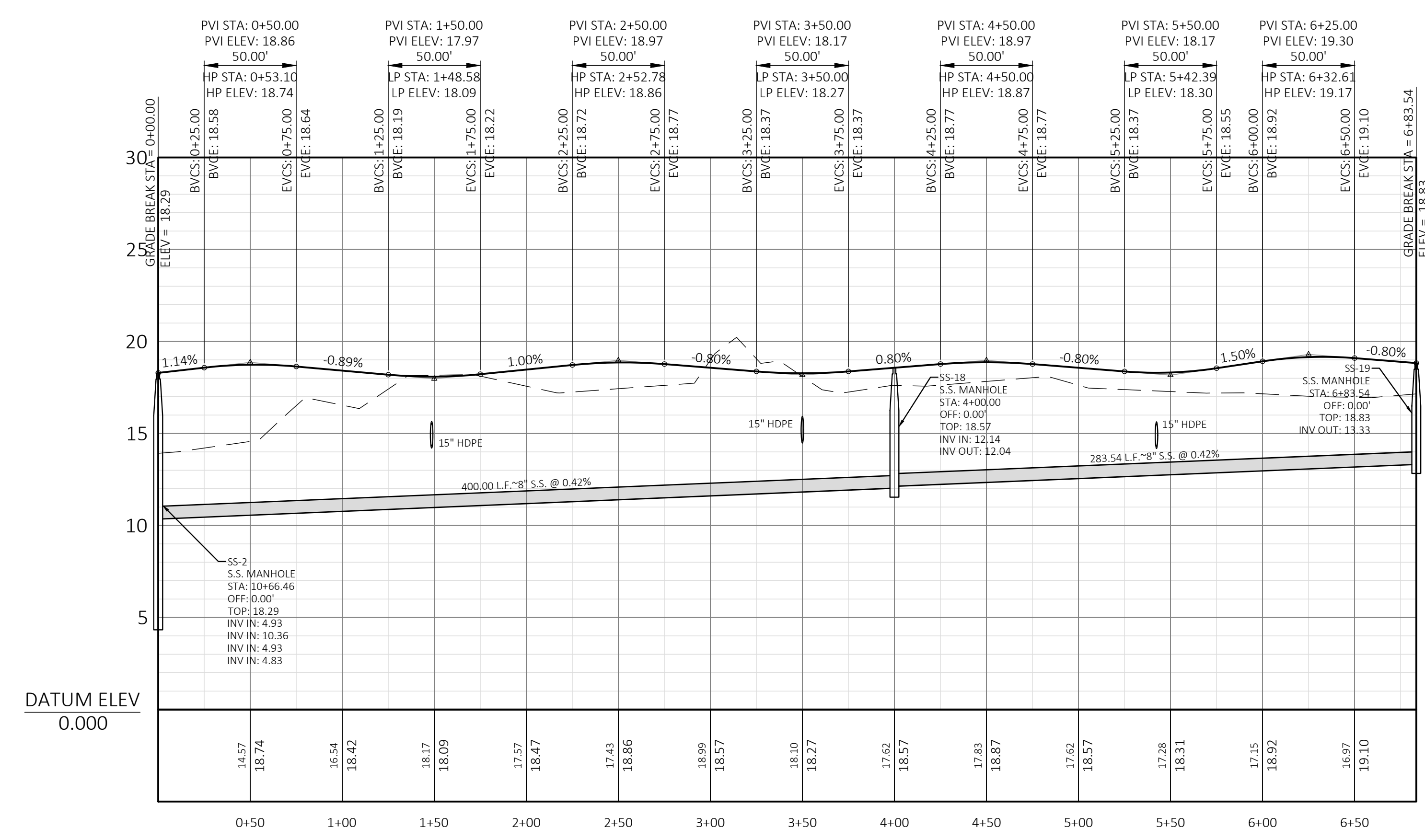
APALACHEE WAY

DATE: 8/27/20
SCALE: 1"=50' H / 1"=5' V
SHEET

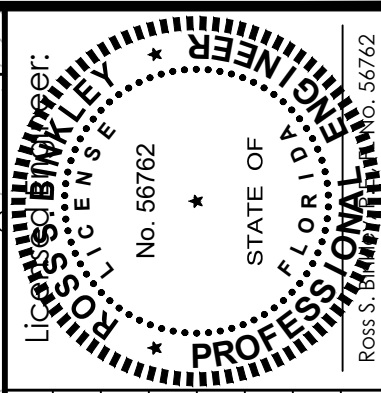
5.6
TOTAL SHEETS 47



PLAN VIEW



PROFILE



DATE:	1/25/21
REVISIONS:	2/17/21
PER CITY & DWM COMMENTS	3/31/21
PER NWFVMD AND CITY OF DESTIN COMMENTS	8/23/21
PER NWFVMD COMMENTS	1/25/22
ADD 11 LOTS PER OWNER	
REDUCE TO 95 LOTS	
STATE OF	
PROFESSIONAL ENGINEER	
FLORIDA	
REG. NO. 56762	

**BINKLEY**
ENGINEERING

Certificate of Authorization No. 32308
434 Benning Drive, Destin, FL 32541
Phone: (850) 974-5421
rsbinkley@gmail.com

INDIAN BAYOU WEST

PLAN & PROFILE

TIMUCUA COURT

DATE: 8/27/20
SCALE: 1"=50' H / 1"=5' V
SHEET

5.7
TOTAL SHEETS 47

NOT FOR CONSTRUCTION

NOTES

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3. THE NUMBER OF REFORESTATION TREES REQUIRED ON ANY DEVELOPED AREA SHALL BE DETERMINED BY USING THE RATIO OF ONE (1) TREE FOR EACH ONE-TENTH OF AN ACRE. CREDIT SHALL BE RECEIVED ON THE REFORESTATION REQUIREMENT OF THIS SECTION BY PRESERVING EXISTING TREES. TREES REQUIRED FOR REFORESTATION ARE IN ADDITION TO OTHER REQUIRED TREES. NO CREDIT WILL BE GIVEN FOR NON-INDIGENOUS TREES.
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5. FIFTY (50) PERCENT OF THE AREA WITHIN THE DRIPLINE OF PRESERVED TREES, WHICH ARE ELIGIBLE FOR CREDIT PURSUANT TO THIS SECTION SHALL BE MAINTAINED IN EITHER VEGETATIVE LANDSCAPE MATERIAL OR PERVIOUS COVER.
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8. A MINIMUM OF SEVENTY-FIVE (75) PERCENT OF ALL PLANT MATERIAL USED TO SATISFY THE REQUIREMENTS OF THIS SECTION SHALL BE NATIVE TO THE NORTHWEST FLORIDA AREA. PORTIONS OF A DEVELOPMENT LEFT IN THE NATURAL STATE SHALL BE CREDITED IN MEETING THESE LANDSCAPING REQUIREMENTS.
9. SHRUBS SHALL BE A MINIMUM OF 12 INCHES IN HEIGHT WHEN MEASURED IMMEDIATELY AFTER PLANTING.
10. ALL REQUIRED TREES SHALL BE A MINIMUM OF TEN (10) FEET IN HEIGHT AND HAVE A 2 1/4 INCH CALIPER AT THE TIME OF PLANTING. TREES HAVING AN AVERAGE MATURE SPREAD OF CROWN LESS THAN 20 FEET MAY BE ARRANGED IN GROUPINGS, SO AS TO CREATE THE EQUIVALENT OF A 20-FOOT CROWN SPREAD. IF SABAL PALMS ARE USED FOR REQUIRED TREES, THEN TWO SABAL PALMS MUST BE GROUPED TOGETHER TO COUNT TOWARDS THE REQUIRED TREE WITH A 20-FOOT CROWN SPREAD AT MATURITY.
11. THE PLANTING AREA FOR EACH TREE SHALL BE A MINIMUM OF ONE-HUNDRED (100) SQUARE FEET WITH A MINIMUM WIDTH OF FIVE (5) FEET MEASURED FROM THE CENTER OF THE TREE AND SHALL BE MAINTAINED IN EITHER VEGETATIVE LANDSCAPE MATERIAL OR PERVIOUS SURFACE COVER.

REFORESTATION TREE REQUIREMENTS

PER LDC 12.04.05.C REFORESTATION IS REQUIRED USING THE RATIO OF ONE TREE FOR EACH ONE-TENTH OF AN ACRE OF DEVELOPMENT AREA. THE ONSITE DEVELOPMENT AREA IS 55.44 ACRES, EQUATES TO 554 TREES FOR THE REFORESTATION REQUIREMENT. HOWEVER, THE LDC GIVES CREDIT FOR EXISTING TREES. THE MINIMUM CREDIT FOR EXISTING TREES 2" TO 6" IN DIAMETER IS A 2 TREE CREDIT FOR EACH TREE ACCORDING TO THE LDC TABLE IN 12.04.05.C.2. THE TREE SURVEY SHOWS 345 TREES 2" OR LARGER. THE AREA THAT WAS SURVEYED WAS A RANDOM AREA OF WETLANDS AND 25' WETLANDS BUFFER WHICH WILL NEVER BE DISTURBED. THE TOTAL ONSITE DEVELOPMENT AREA REQUIREMENT OF 554 TREES/1 TREE CREDIT PER LDC TABLE 12.04.05.C.2 = 554 TREES REQUIRED FOR REFORESTATION. THEREFORE, THE REFORESTATION REQUIREMENT OF 554 TREES HAS GREATLY BEEN EXCEEDED FOR THIS PROJECT AND NO REFORESTATION TREES ARE REQUIRED.

PROTECTED TREES WITHIN THE PROPOSED RIGHTS-OF-WAY ARE ALSO SHOWN ON THE LANDSCAPE PLAN. THE 85 TREES TO BE REMOVED DURING CONSTRUCTION ARE WITHIN THE ABOVE CALCULATED ONSITE DEVELOPMENT AREA.

PROTECTED TREES TO BE REMOVED		
SYMBOL	DESCRIPTION	TOTAL
	PINE TREE	71
	OAK TREE	9
	PALM TREE	2
	BAY TREE	2
	POPCORN TREE	1

2"x2" STAKE

TURN BUCKLE (TYPICAL)

MULCH 4" SHREDDED HARDWOOD BARK AROUND TREE

2 STRANDS OF 12 GAUGE WIRE (TYPICAL)

SAUCER OF PLANTING MIX TO HOLD WATER

SET TOP OF ROOT BALL 4"-6" ABOVE FINISHED GRADE. REMOVE TOP 1/3 OF BURLAP

2"x2" STAKE

RUBBER HOSE

WRAP TRUNK

TWINE @ 12"

1"x4"x10" WH WOOD FLAG

2"x2"x3"

FINISHED GRADE

BACKFILL WITH TOPSOIL MIX MOUND

12" MIN.

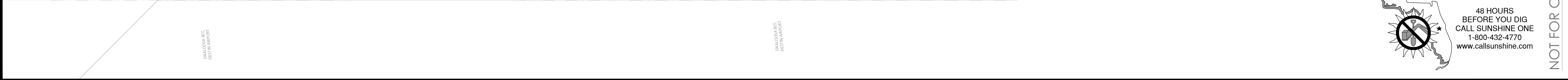
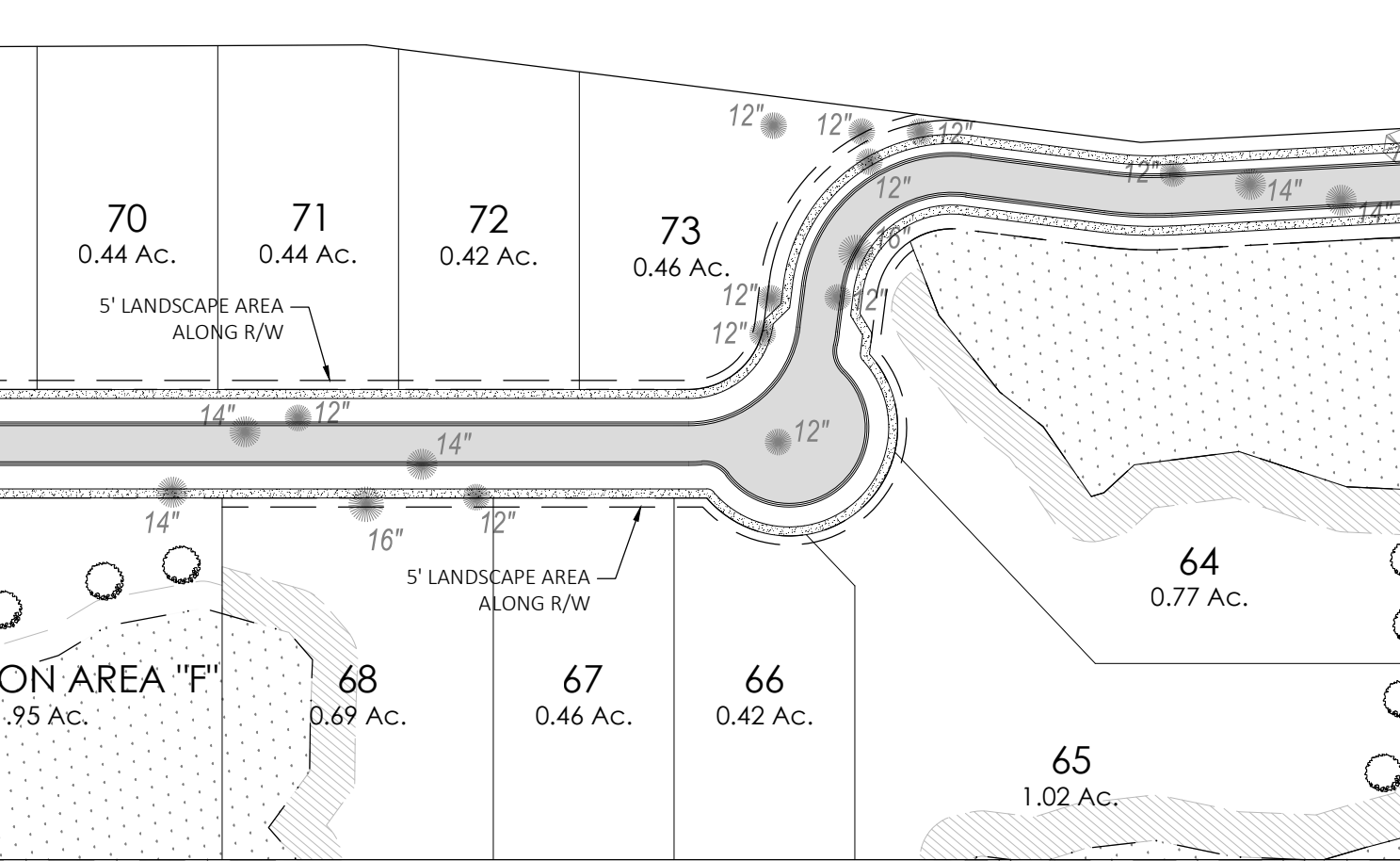
6" MIN.

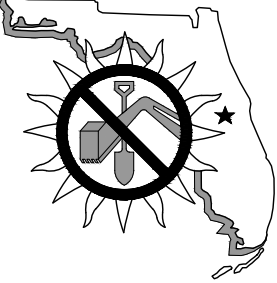
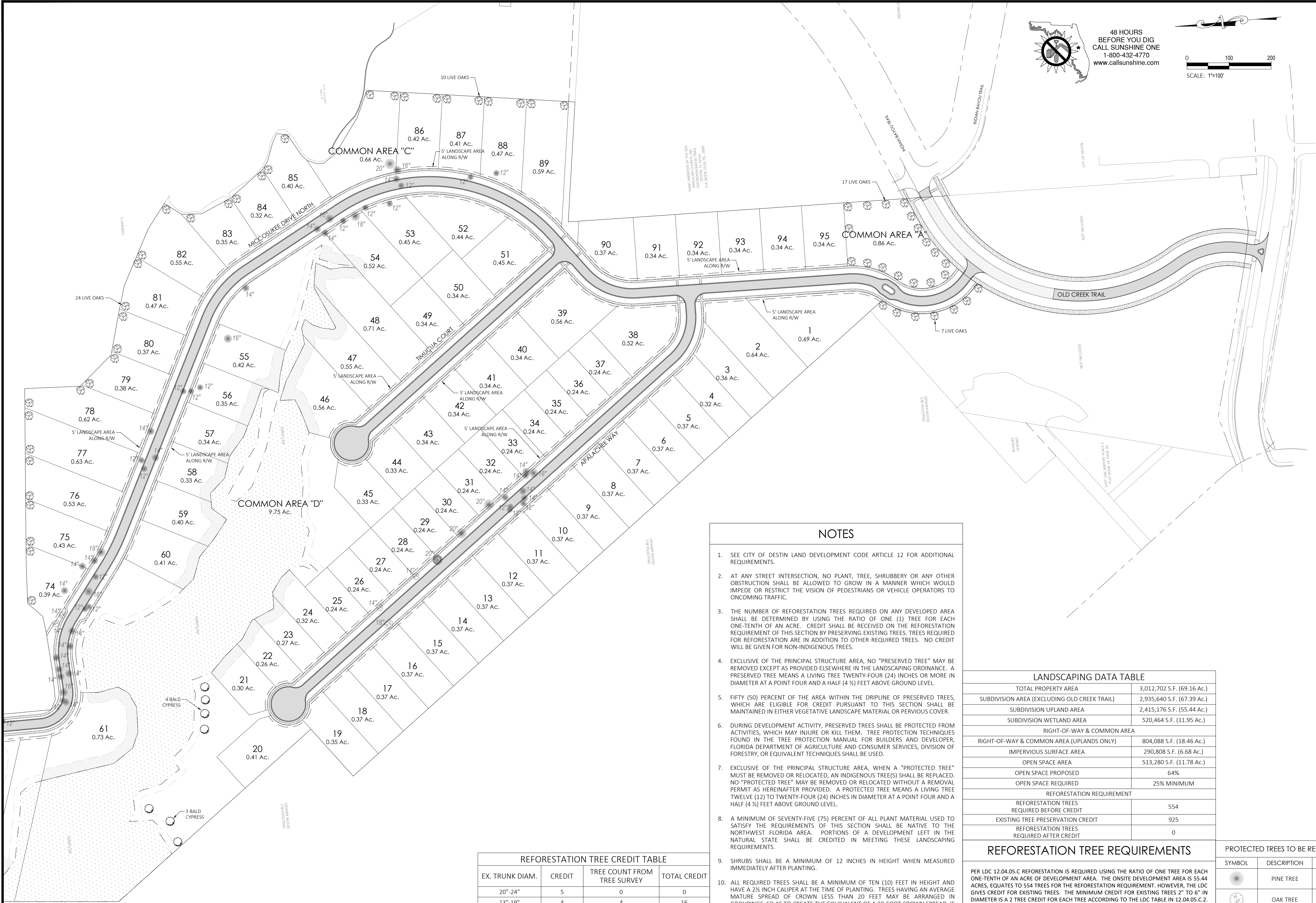
6" MIN.

COMPACTED TOPSOIL MIX MOUND

TREE PLANTING DETAIL

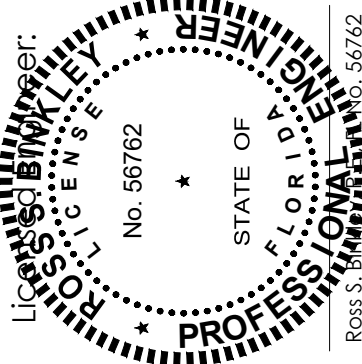
N.T.S.





48 HOURS
BEFORE YOU DIG
CALL SUNSHINE ONE
1-800-432-4770
www.callsunshine.com

0 100 200
SCALE: 1"=100'



DATE:	1/25/21	2/17/21	3/5/21	3/31/21	8/23/21	1/25/22
REVISIONS:	PER CITY COMMENTS	PER NWFVMD AND CITY OF DESTIN COMMENTS	PER CITY COMMENTS	PER NWFVMD COMMENTS	PER NWFVMD COMMENTS	REDUCE TO 95 LOT

INDIAN BAYOU WEST

LANDSCAPE PLAN SOUTH

434 Benning Drive, Destin, FL 32541

Phone: (850) 974-5421

rsbinkley@gmail.com

NOTES

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REFORESTATION TREE CREDIT TABLE			
EX. TRUNK DIAM.	CREDIT	TREE COUNT FROM TREE SURVEY	TOTAL CREDIT
20"-24"	5	0	0
13"-19"	4	4	16
7"-12"	3	227	681
2"-6"	2	114	228
		TOTAL PROVIDED	925
		TOTAL REQUIRED	554
NOTE: THE TREE SURVEY ONLY COVERS A FRACTION OF THE FORESTED AREA ON SITE. THE ENTIRE FORESTED AREA ON SITE CONTAINS OVER 6,000 TREES. THEREFORE, THE REFORESTATION REQUIREMENT IS GREATLY EXCEEDED.			

LANDSCAPING DATA TABLE

TOTAL PROPERTY AREA	3,012,702 S.F. (69.16 Ac.)
SUBDIVISION AREA (EXCLUDING OLD CREEK TRAIL)	2,935,640 S.F. (67.39 Ac.)
SUBDIVISION UPLAND AREA	2,415,176 S.F. (55.44 Ac.)
SUBDIVISION WETLAND AREA	520,464 S.F. (11.95 Ac.)
RIGHT-OF-WAY & COMMON AREA	
RIGHT-OF-WAY & COMMON AREA (UPLANDS ONLY)	804,088 S.F. (18.46 Ac.)
IMPERVIOUS SURFACE AREA	290,808 S.F. (6.68 Ac.)
OPEN SPACE AREA	513,280 S.F. (11.78 Ac.)
OPEN SPACE PROPOSED	64%
OPEN SPACE REQUIRED	25% MINIMUM
REFORESTATION REQUIREMENT	
REFORESTATION TREES REQUIRED BEFORE CREDIT	554
EXISTING TREE PRESERVATION CREDIT	925
REFORESTATION TREES REQUIRED AFTER CREDIT	0

REFORESTATION TREE REQUIREMENTS

PER LDC 12.04.05.C REFORESTATION IS REQUIRED USING THE RATIO OF ONE TREE FOR EACH ONE-TENTH OF AN ACRE OF DEVELOPMENT AREA. THE ONSITE DEVELOPMENT AREA IS 55.44 ACRES, EQUATES TO 554 TREES FOR THE REFORESTATION REQUIREMENT. HOWEVER, THE LDC GIVES CREDIT FOR EXISTING TREES. THE MINIMUM CREDIT FOR EXISTING TREES 2" TO 6" IN DIAMETER IS A 2 TREE CREDIT FOR EACH TREE ACCORDING TO THE LDC TABLE IN 12.04.05.C.2. THE TREE SURVEY SHOWS 345 TREES 2" OR LARGER. THE AREA THAT WAS SURVEYED WAS A RANDOM AREA OF WETLANDS AND 25' WETLANDS BUFFER WHICH WILL NEVER BE DISTURBED. THE TOTAL ONSITE DEVELOPMENT AREA REQUIREMENT OF 554 TREES/1 TREE CREDIT PER LDC TABLE 12.04.05.C.2 = 554 TREES REQUIRED FOR REFORESTATION. THEREFORE, THE REFORESTATION REQUIREMENT OF 554 TREES HAS GREATLY BEEN EXCEEDED FOR THIS PROJECT AND NO REFORESTATION TREES ARE REQUIRED.

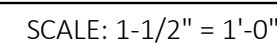
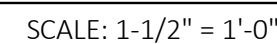
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PROTECTED TREES TO BE REMOVED

SYMBOL	DESCRIPTION	TOTAL
	PINE TREE	7
	OAK TREE	9
	PALM TREE	2
	BAY TREE	2
	POPCORN TREE	1

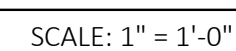
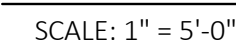
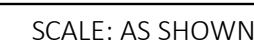
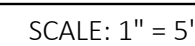
DATE: 8/27/20
SCALE: 1"=100'
SHEET

6.2
TOTAL SHEETS 47

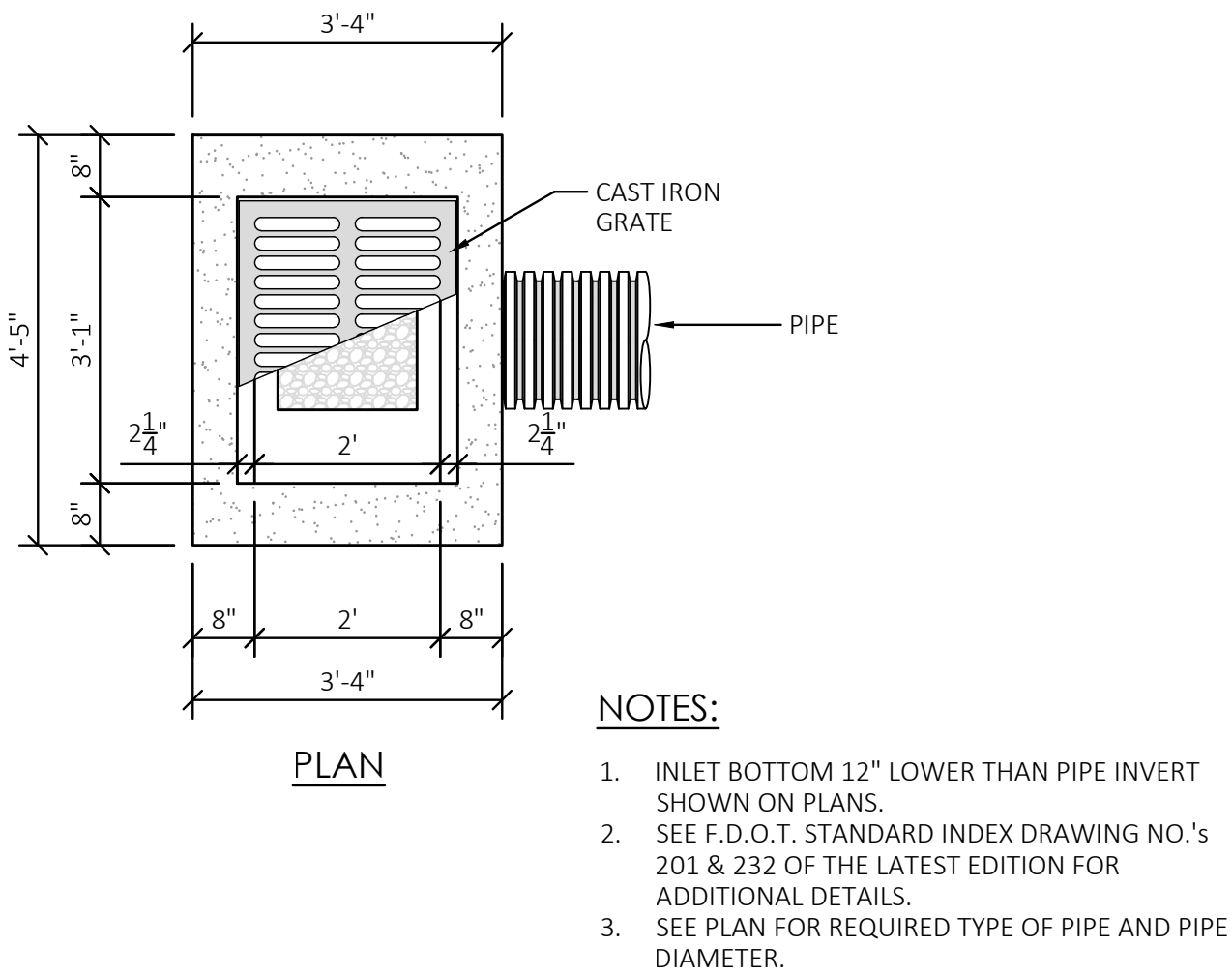


- SCALE: 1" = 1'-0"

- SCALE: 1-1/2" = 1'-0"



- SCALE: 1/2" = 1'-0"



TYPE "C" INLET
SCALE: 1/2" = 1'-0"

LOT GRADING PLAN ADJACENT TO WETLANDS
SCALE: 1" = 20'-0"

FLARED END SECTION
SCALE: 1/2" = 1'-0"

DIA.	T	REINF. (IN2/FT)	BELL OR SPIGOT	A	B	C	D	E	P	R 1	R 2	FLAT	WEIGHT (lb)	h	TOE WALL CLASS 1 CONC (CY)
12"	3"	0.07	1/2"	4"	2'-0"	4'-0"	6'-0"	2'-0"	19 3/4"	10 1/2"	9"	3 1/2"	530	12"	.06
15"	2 1/2"	0.07	2"	6"	2'-3"	3'-10"	6'-1"	2'-6"	24 1/2"	12 1/2"	11"	3 1/2"	740	12"	.07
18"	2 1/2"	0.07	2 1/2"	8"	2'-3"	3'-10"	6'-1"	3'-0"	29"	13 1/2"	12"	4"	990	15"	.11
21"	2 1/2"	0.07	2 1/2"	8"	2'-11"	3'-2"	6'-1"	3'-6"	31 1/2"	16 1/2"	13"	4"	1280	15"	.12
24"	3"	0.07	2 1/2"	8 1/2"	3'-7 1/2"	2'-0"	6'-1 1/2"	4'-0"	33 1/2"	16 1/2"	14"	4 1/2"	1520	18"	.17

REINFORCED CONCRETE JACKET DETAIL

GENERAL NOTES:

1. Cross Slopes and Grades:

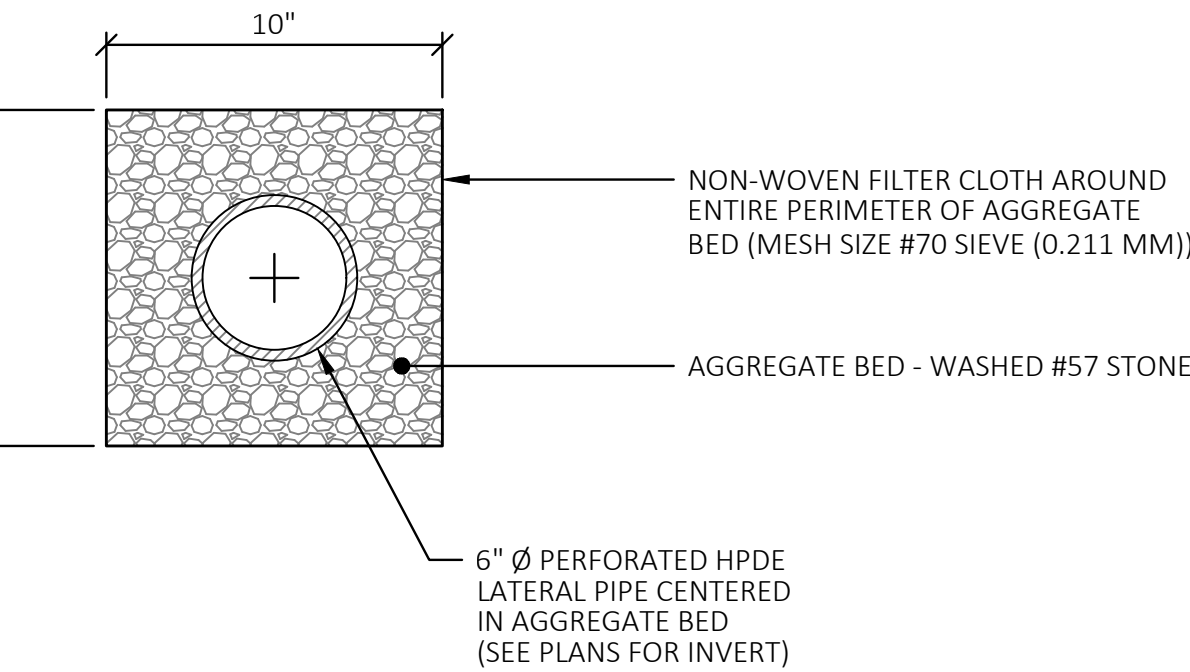
- A. Sidewalk, ramp, and landing slopes (i.e. 0.02, 0.05, and 1:12) shown in this Index are maximums. With approval of the Engineer, provide the minimum feasible slope where the requirements cannot be met.
- B. Landings must have cross-slopes less than or equal to 0.02 in any direction.
- C. Maintain a single longitudinal slope along each side of the curb ramp. Ramp slopes are not required to exceed 15 feet in length.
- D. Joints permitted at the location of Slope Breaks. Otherwise locate joints in accordance with Index 522-001. No joints are permitted within the ramp portion of the Curb Ramp.

2. Curb, Curb and Gutter and/or Sidewalk:

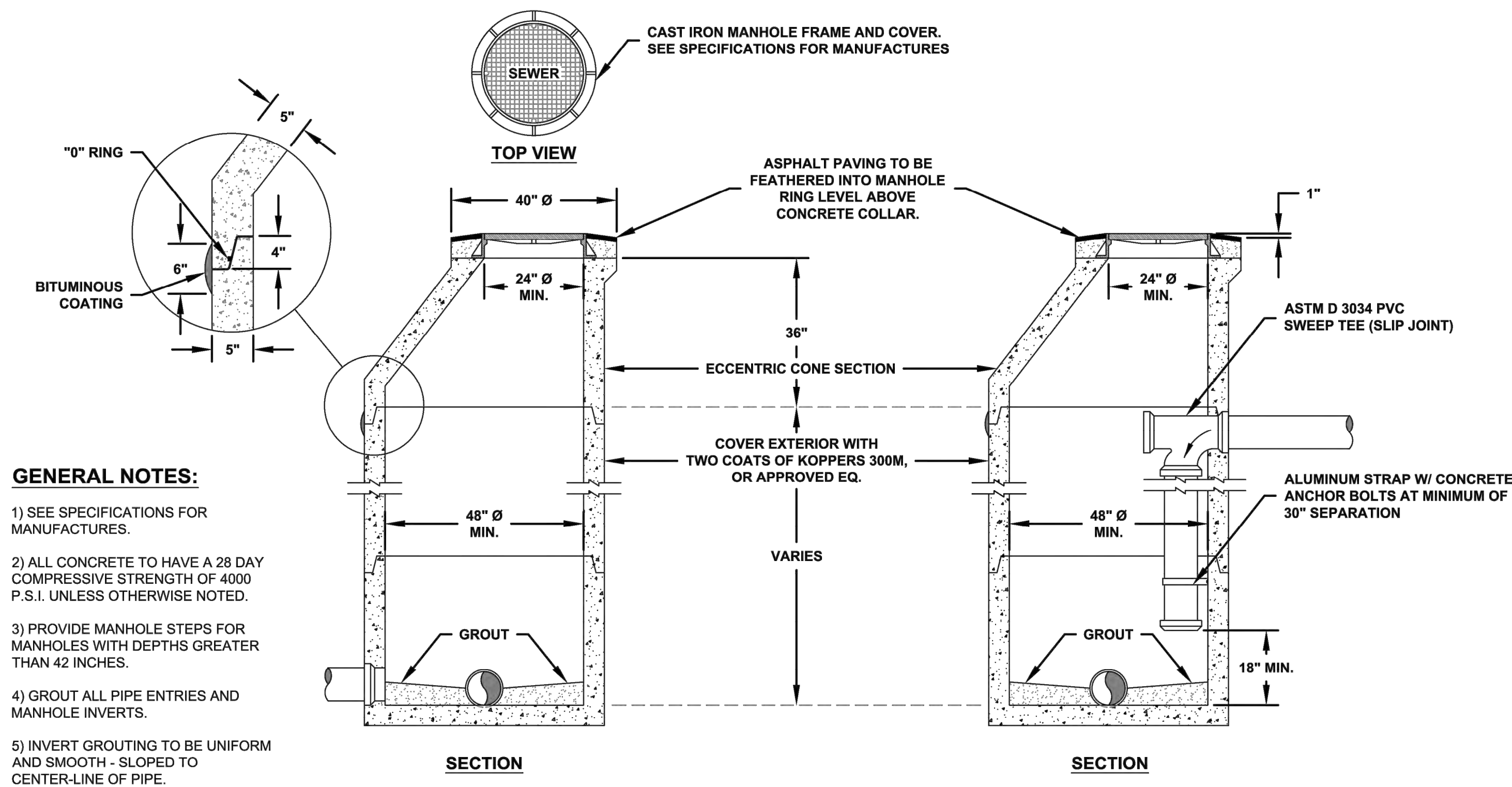
- A. Refer to Index 522-001 for concrete thickness and sidewalk details.
- B. Remove any existing curb, curb and gutter, or sidewalk to the nearest joint beyond the curb transition or to the extent that no remaining section is less than 5 feet long.
3. Curb Ramp Alpha-Identification:
- A. Sidewalk curb ramp alpha-identifications (e.g. CR-A) are provided for reference purposes in the Plans.
- B. Alpha-identifications CR-I and CR-J are intentionally omitted.

4. Detectable Warnings:

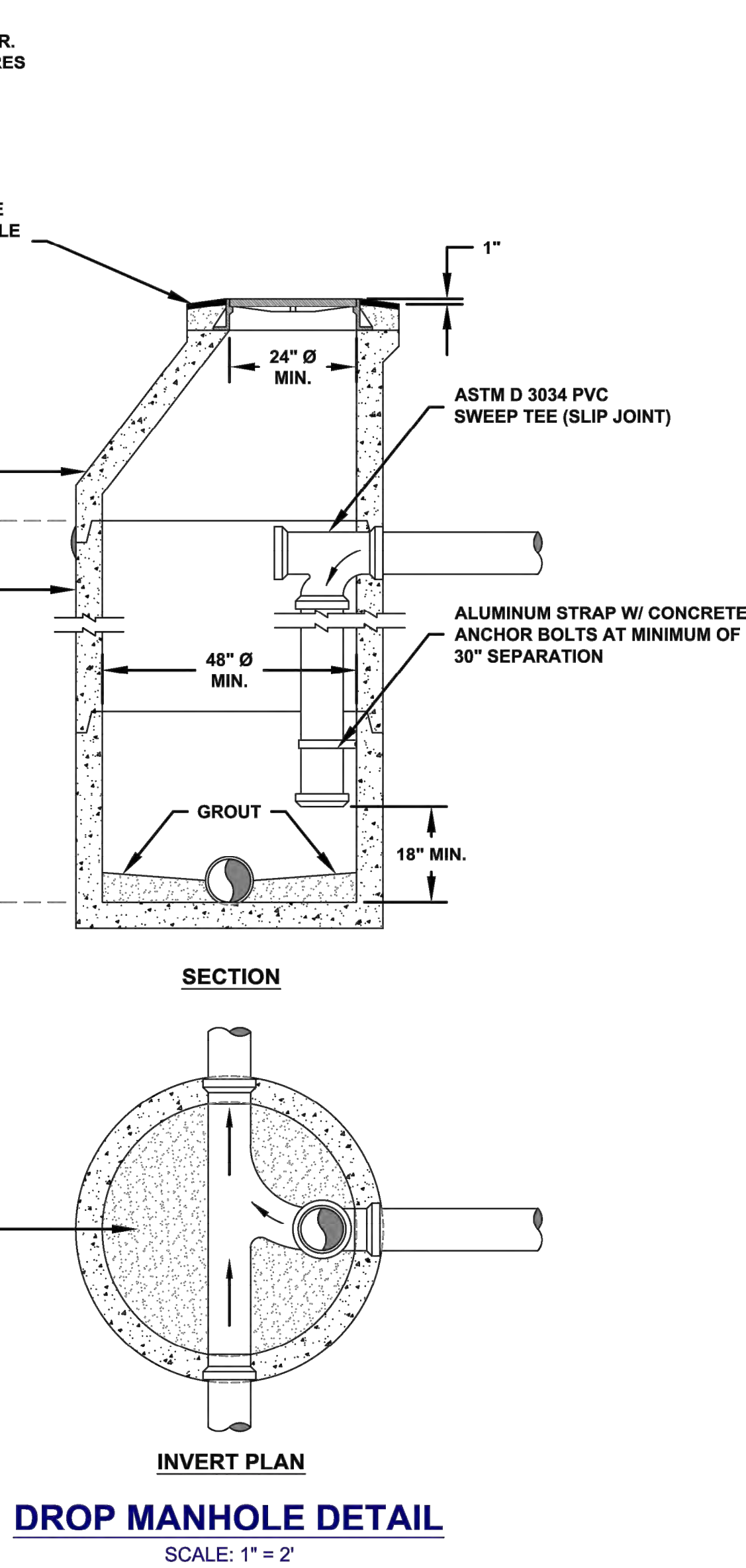
- A. Install detectable warnings in accordance with Specification 527.
- B. Place detectable warnings across the full width of the ramp or landing, to a minimum depth of 2 feet measured perpendicular to the curb line and no greater than 5 feet from the back of the curb or edge of pavement.
- C. If detectable warnings are shown in the Plans on slopes greater than 5%, align the truncated domes with the centerline of the ramp; otherwise, the truncated domes are not required to be aligned.
5. Detectable Warnings - Acceptance Criteria:
- A. Color and texture shall be complete and uniform.
- B. 90% of individual truncated domes shall be in accordance with the Americans with Disabilities Act Standards for Transportation Facilities, Section 705.
- C. There shall be no more than 4 non-compliant domes in any one square foot.
- D. Non-compliant domes shall not be adjacent to other non-compliant domes.
- E. Surfaces shall not deviate more than 0.10" from a true plane.



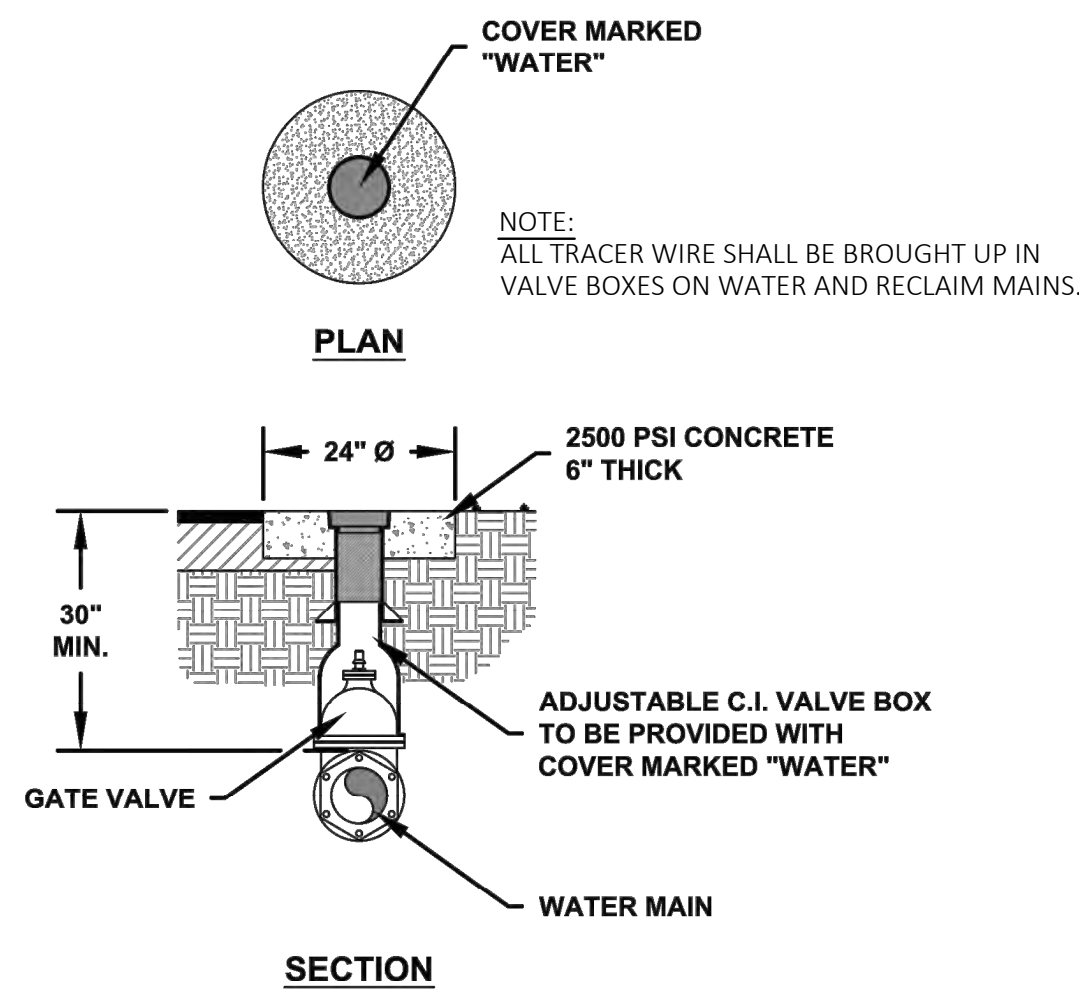
UNDERDRAIN LATERAL PIPE SECTION
SCALE: 1-1/2" = 1'-0"



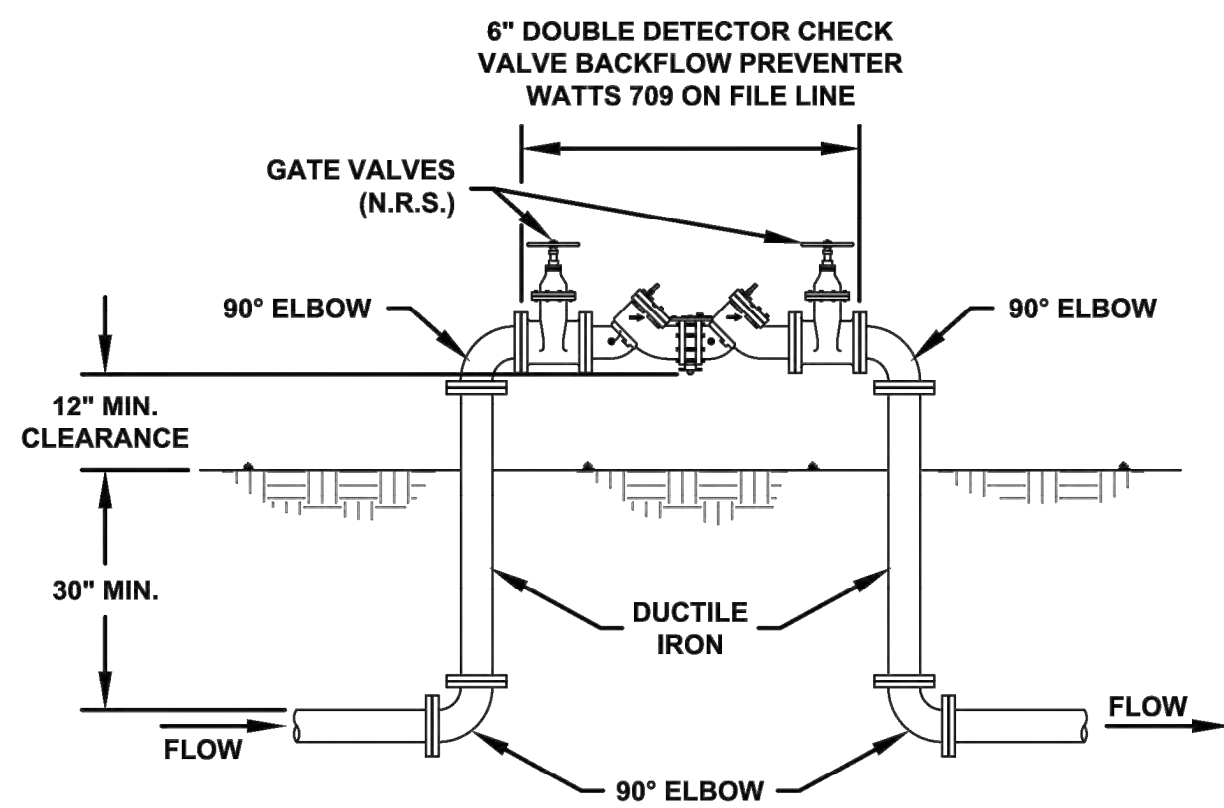
STANDARD MANHOLE DETAIL
SCALE: 1" = 2'



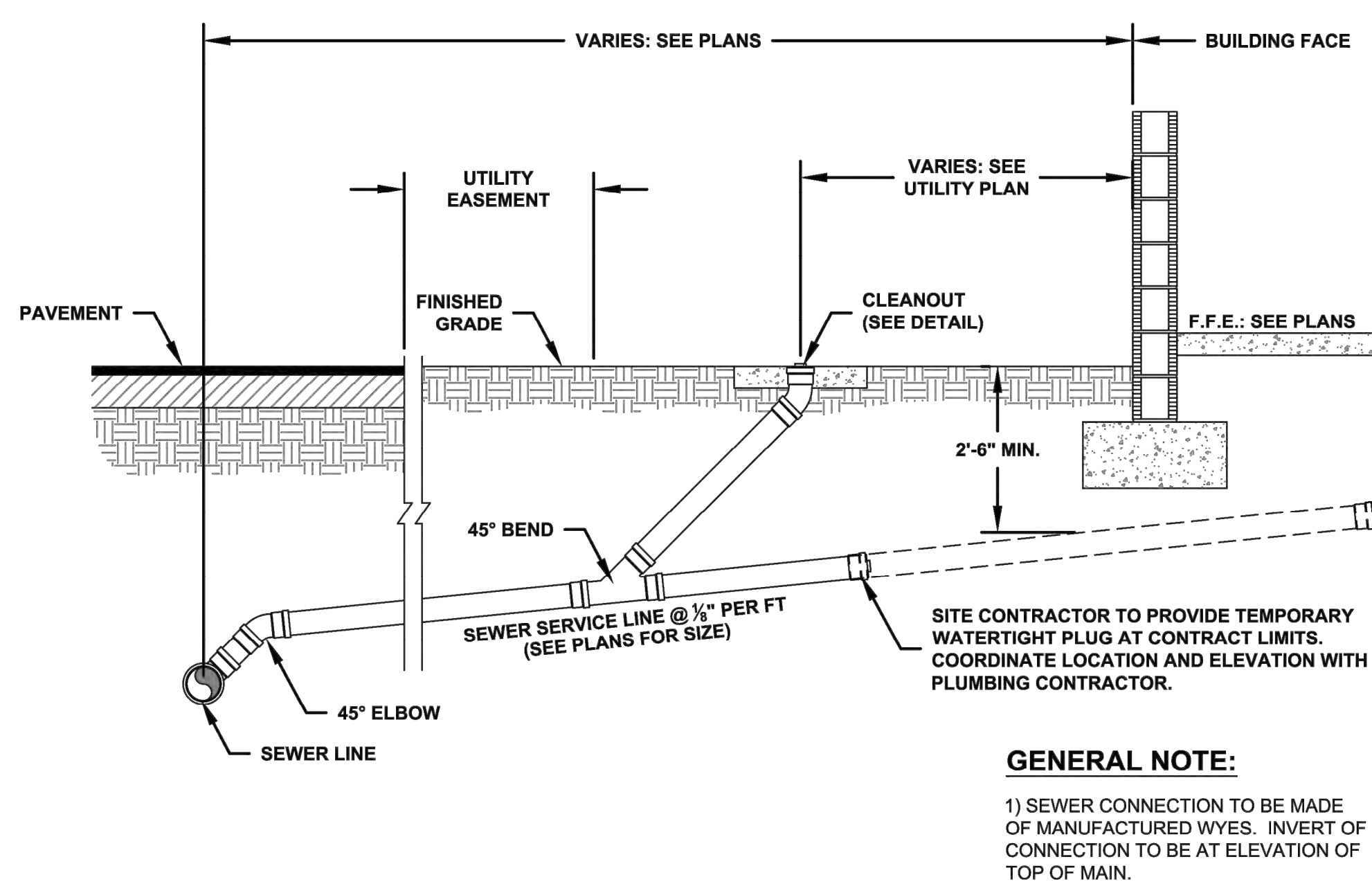
DROP MANHOLE DETAIL
SCALE: 1" = 2'



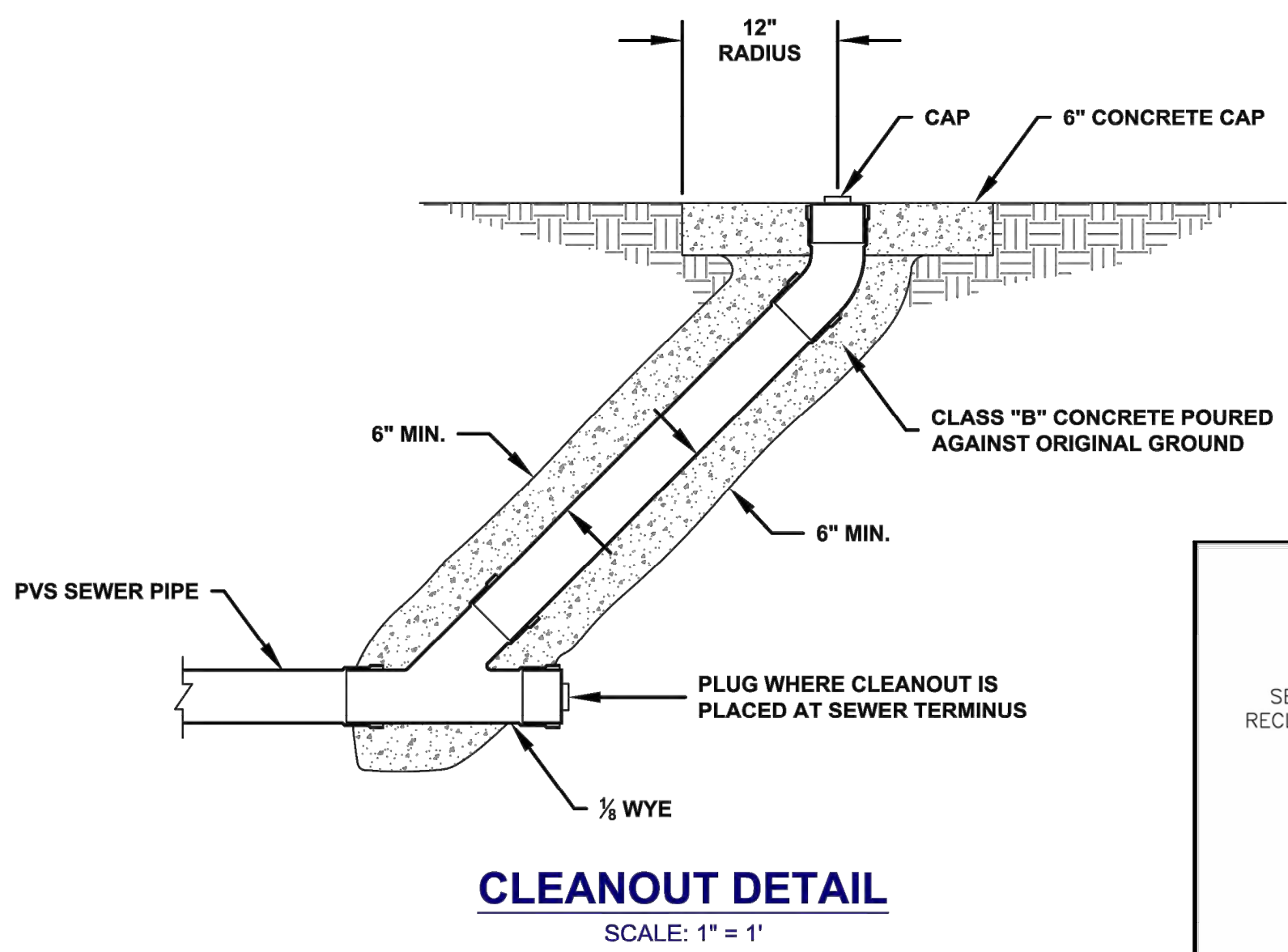
GATE VALVE AND VALVE BOX DETAIL
SCALE: 1" = 2'



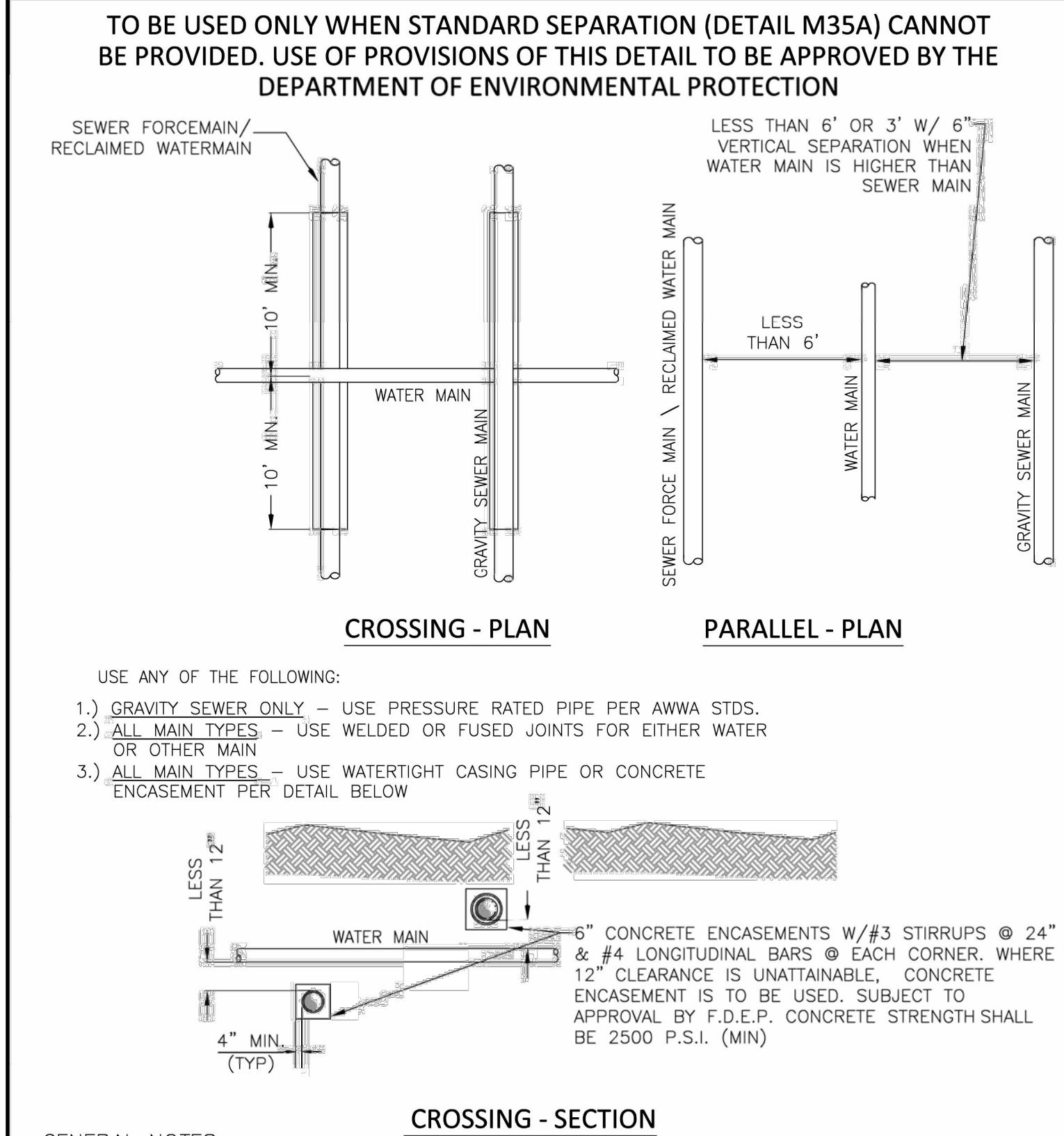
BACKFLOW PREVENTER DETAIL
SCALE: 1" = 2'



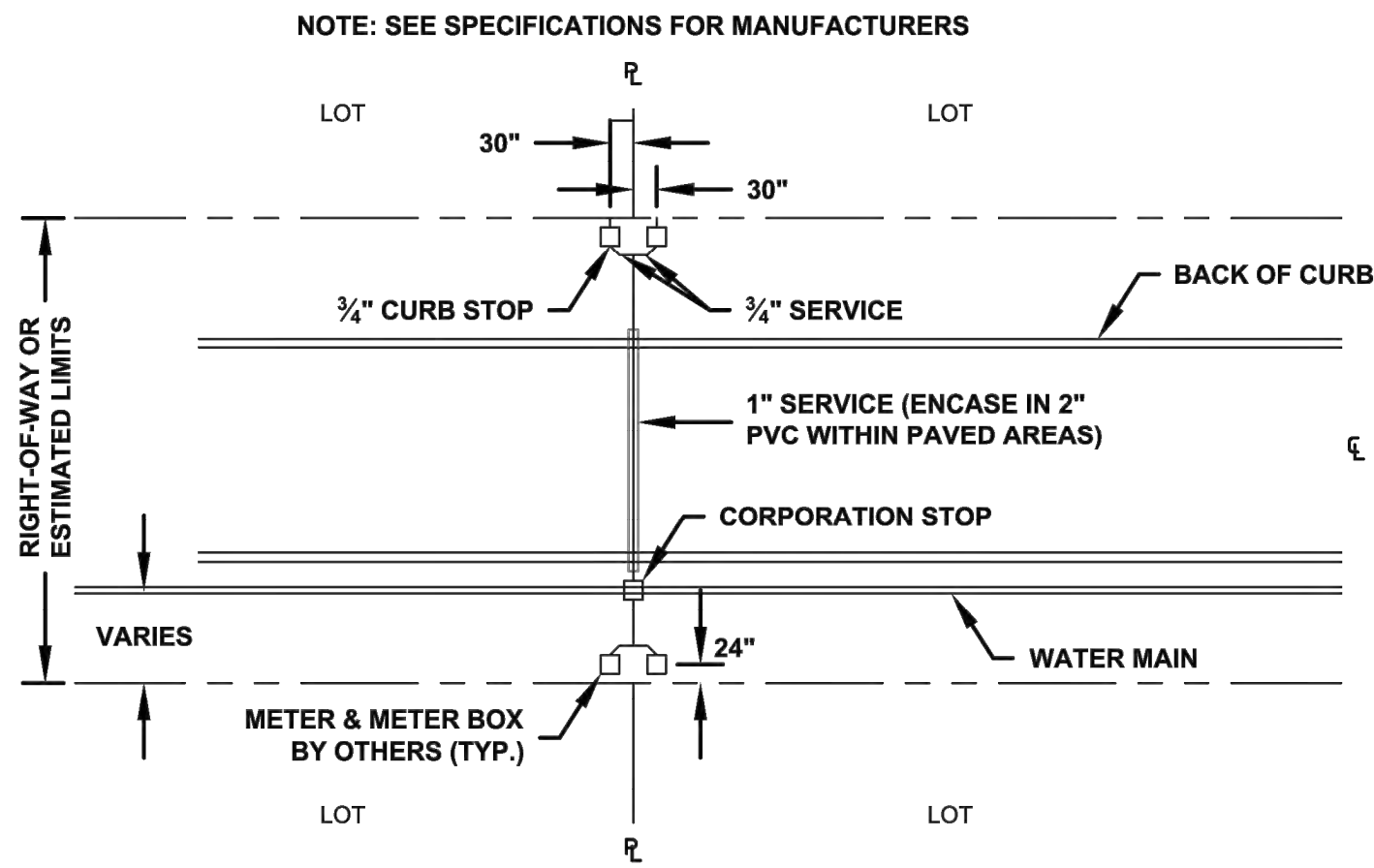
SEWER SERVICE DETAIL
SCALE: 1" = 2'



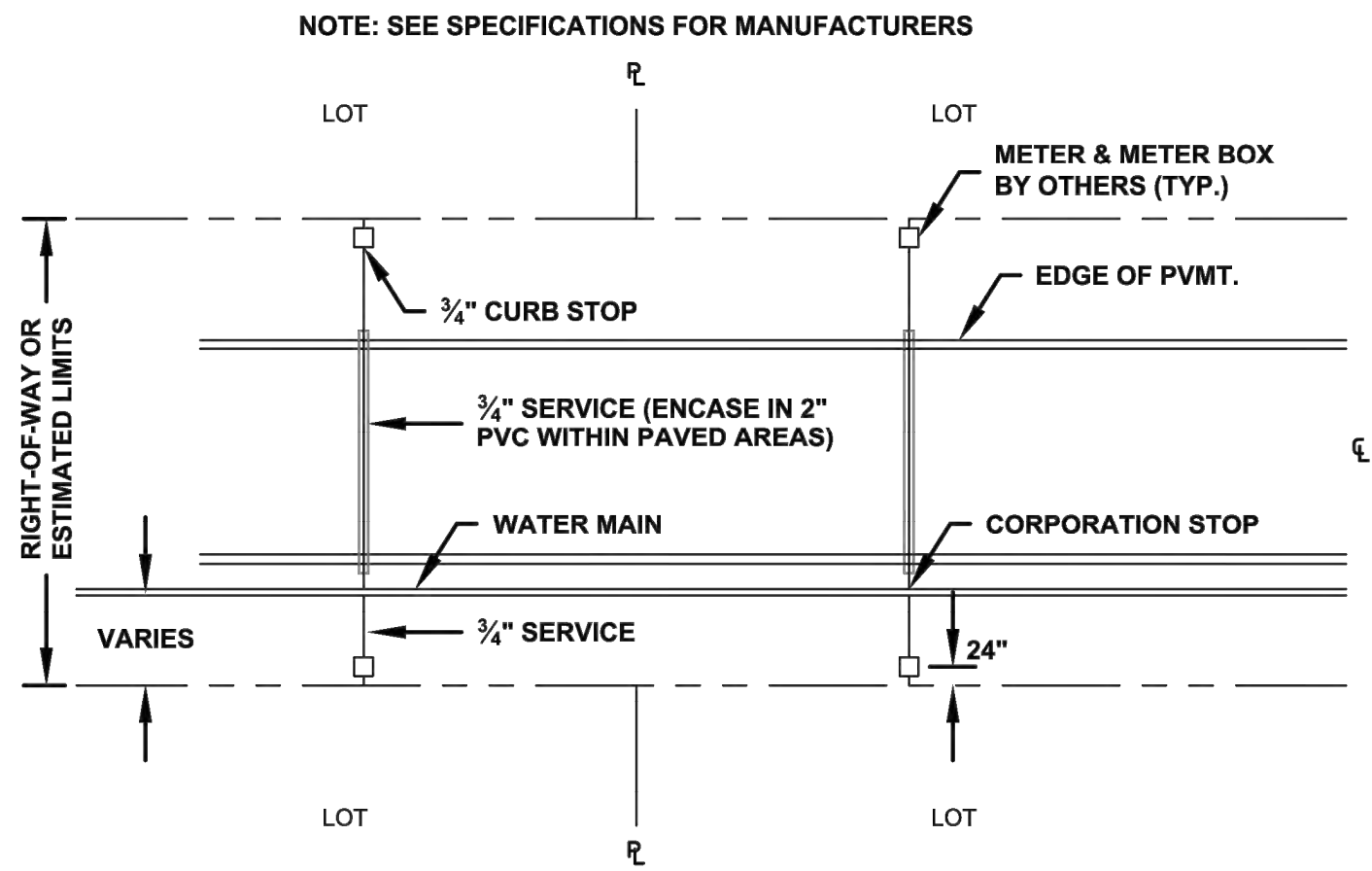
CLEANOUT DETAIL
SCALE: 1" = 1'



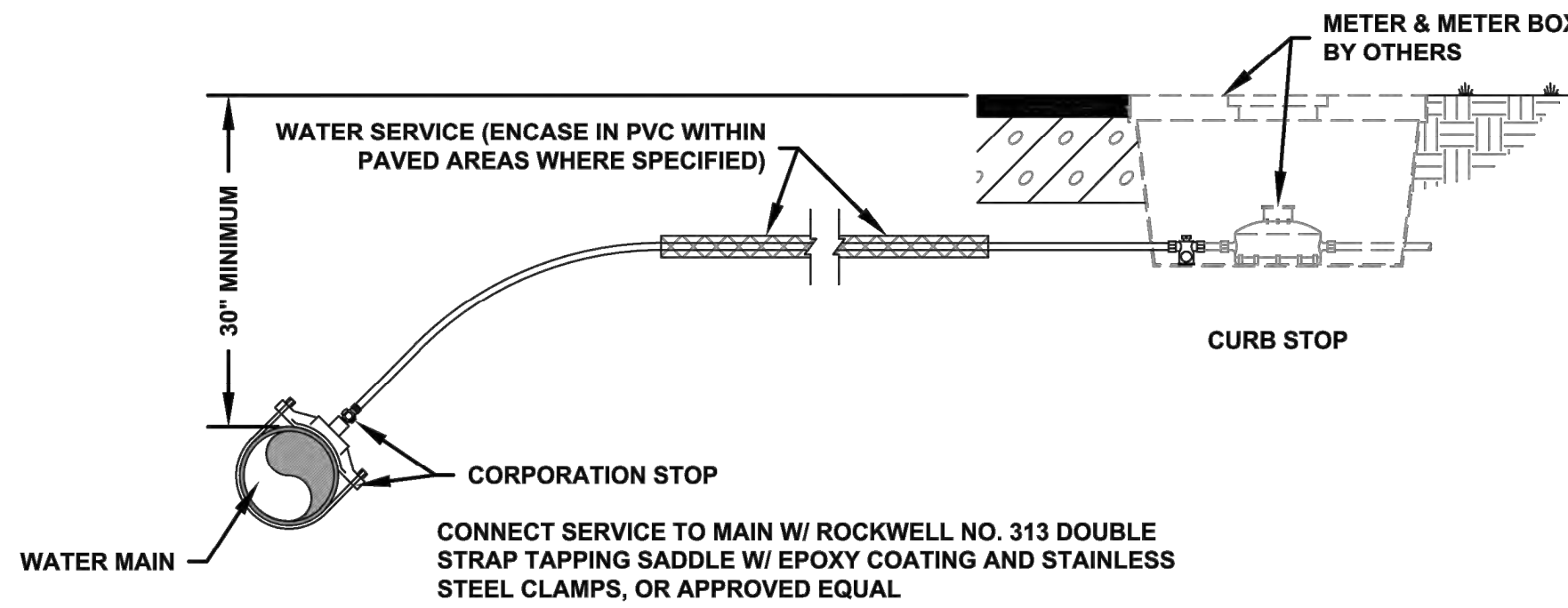
- GENERAL NOTES:**
- WHERE AN UNDERGROUND WATER MAIN IS BEING LAID LESS THAN THE REQUIRED MINIMUM HORIZONTAL DISTANCE FROM ANOTHER PIPELINE AND WHERE AN UNDERGROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND IS BEING LAID LESS THAN THE REQUIRED MINIMUM VERTICAL DISTANCE FROM THE OTHER PIPELINE:
 - USE OF PIPE, OR CASING PIPE, HAVING HIGH IMPACT STRENGTH (I.E., HAVING AN IMPACT STRENGTH AT LEAST EQUAL TO THAT OF 0.25-INCH THICK DUCTILE IRON PIPE) OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR THE WATER MAIN; AND
 - USE OF PIPE, OR CASING PIPE, HAVING HIGH IMPACT STRENGTH (I.E., HAVING AN IMPACT STRENGTH AT LEAST EQUAL TO THAT OF 0.25-INCH THICK DUCTILE IRON PIPE) OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR THE OTHER PIPELINE IF IT IS NEW AND IS CONVEYING WASTEWATER OR RECLAIMED WATER.
 - THE USE OF ANY ASPECT OF THIS DETAIL MUST BE APPROVED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.



DOUBLE WATER SERVICE CONNECTION PLAN
SCALE: 1" = 20'



SINGLE WATER SERVICE CONNECTION PLAN
SCALE: 1" = 20'



WATER SERVICE CONNECTION DETAIL
SCALE: N.T.S.

GENERAL NOTES:

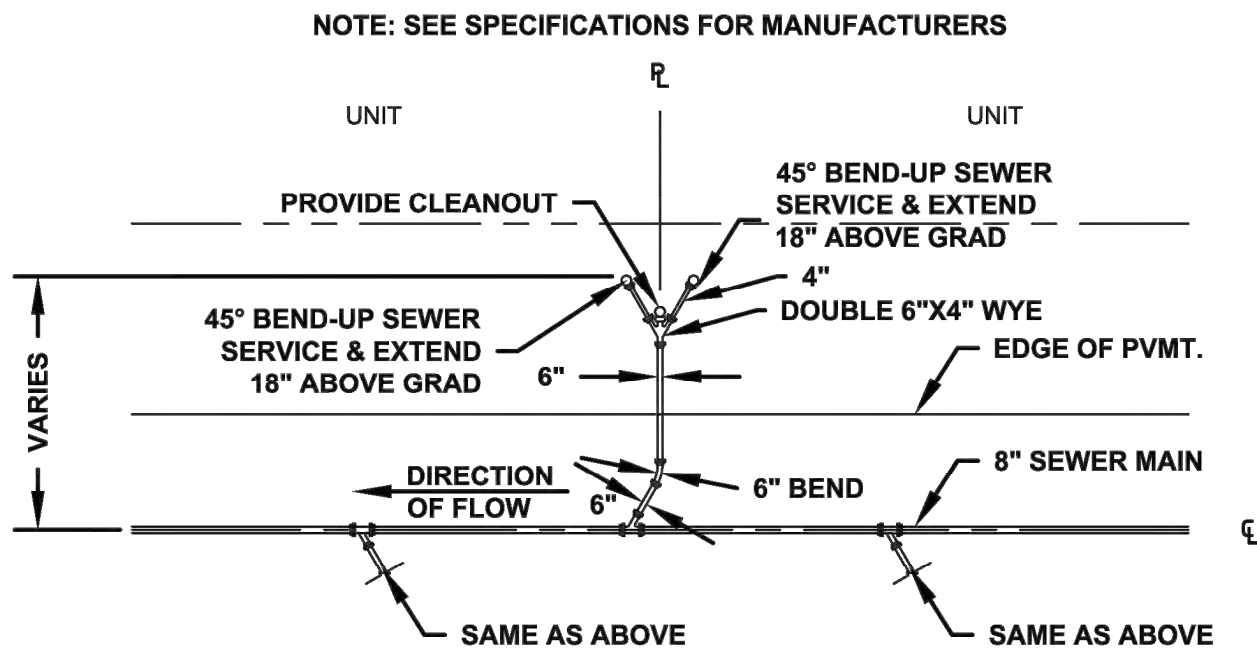
- 1) THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING BACTERIOLOGICAL EXAMINATIONS ON ALL NEW WATER MAINS (AS REQUIRED BY AND TO THE SATISFACTION OF) THE DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES. THESE REQUIREMENTS NECESSITATE A SATISFACTORY SAMPLE AT EACH SAMPLE LOCATION FOR TWO CONSECUTIVE DAYS. IF THE EXAMINATION IS BY PERSONS OTHER THAN THE LOCAL HEALTH DEPARTMENT, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERING THE LABORATORY REPORTS TO THE ENGINEER FOR SUBMITTAL TO THE STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION (D.E.P.).
- 2) INSTALLATION OF WATER MAINS AND SERVICES SHALL COMPLY WITH ALL GOVERNING AUTHORITIES.
- 3) THE CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS AND REPORT ANY DISCREPANCIES PRIOR TO COMMENCING WORK.
- 4) ALL PIPES SHALL BE PVC UNLESS OTHERWISE NOTED OR REQUIRED. ALL MAINS TO BE MARKED WITH NO. 14 INSULATED COPPER TRACER WIRE TO FACILITATE THEIR LOCATIONS.
- 5) THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 36" OF COVER OVER WATER MAINS WITHIN PAVED AND UNPAVED AREAS.

OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (SEE NTOE 1)	JOINT SPACING @ CROSSINGS (FULL JOINT CENTERED)
STORM SEWER, STORMWATER FORCE MAIN, RECLAIMED WATER			
VACUUM SANITARY SEWER			
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN			
ON - SITE SEWAGE TREATMENT & DISPOSAL SYSTEM	10' MIN.	----	----

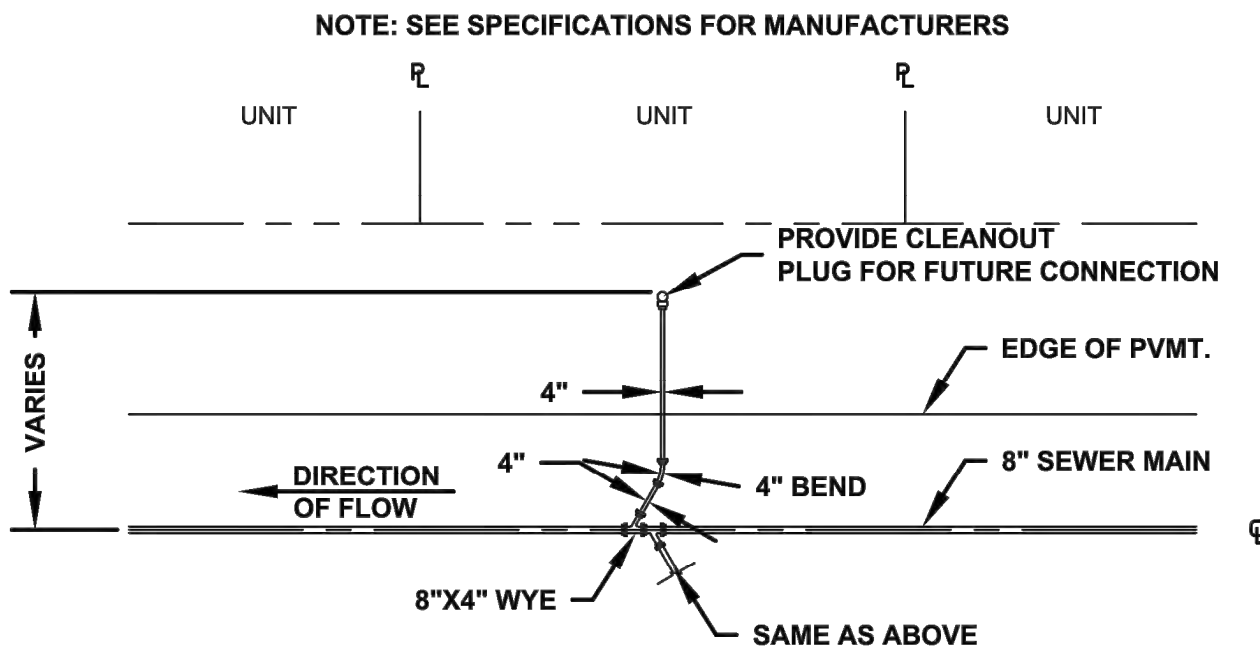
(1) WATER MAIN SHOULD CROSS ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MIN. SEPARATION IS 12".

(2) 3' FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6" ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.

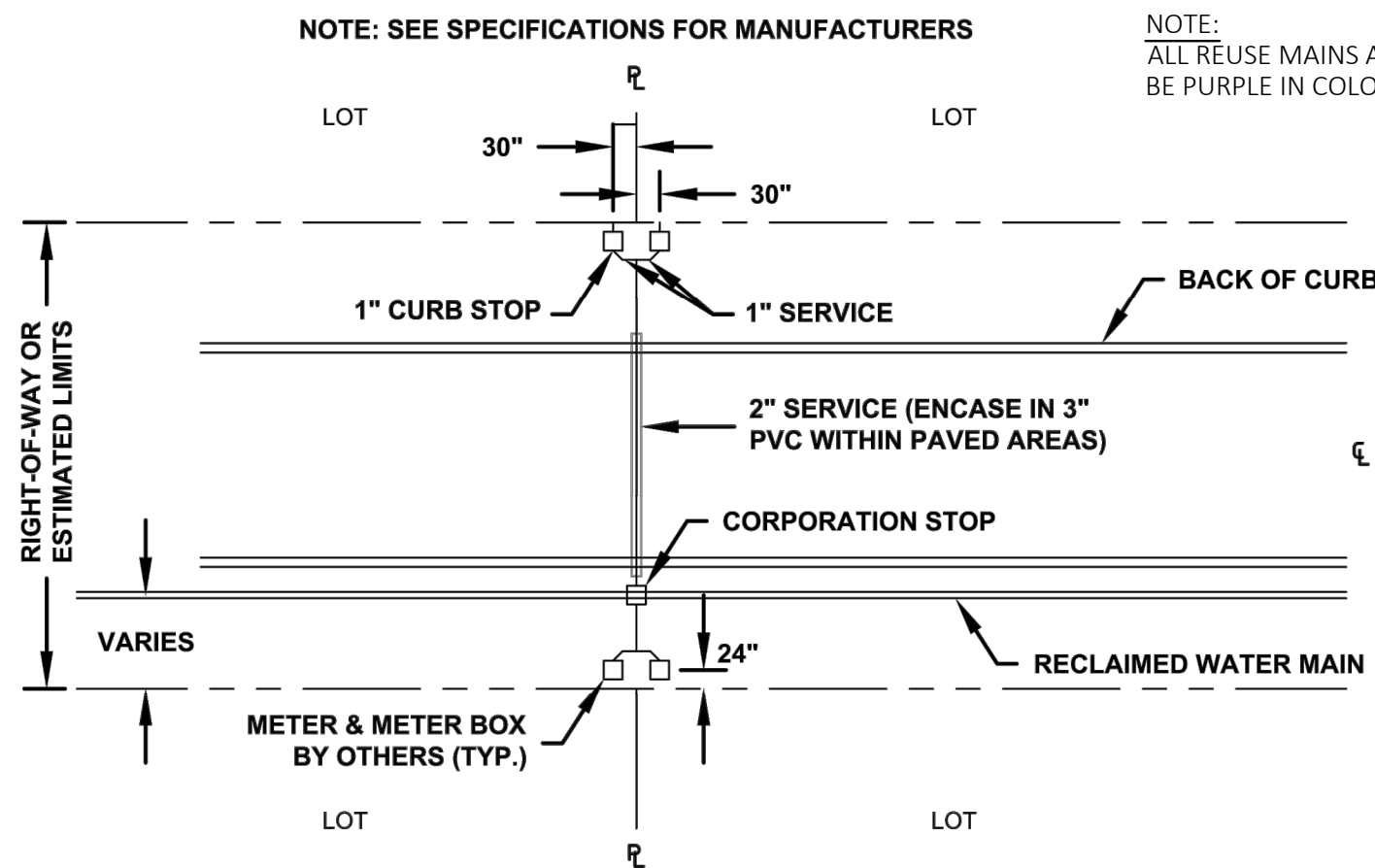
(3) IF REQUIRED SEPARATION CANNOT BE PROVIDED SEE DETAIL M-35B FOR REQ'D ADDITIONAL PROTECTION.



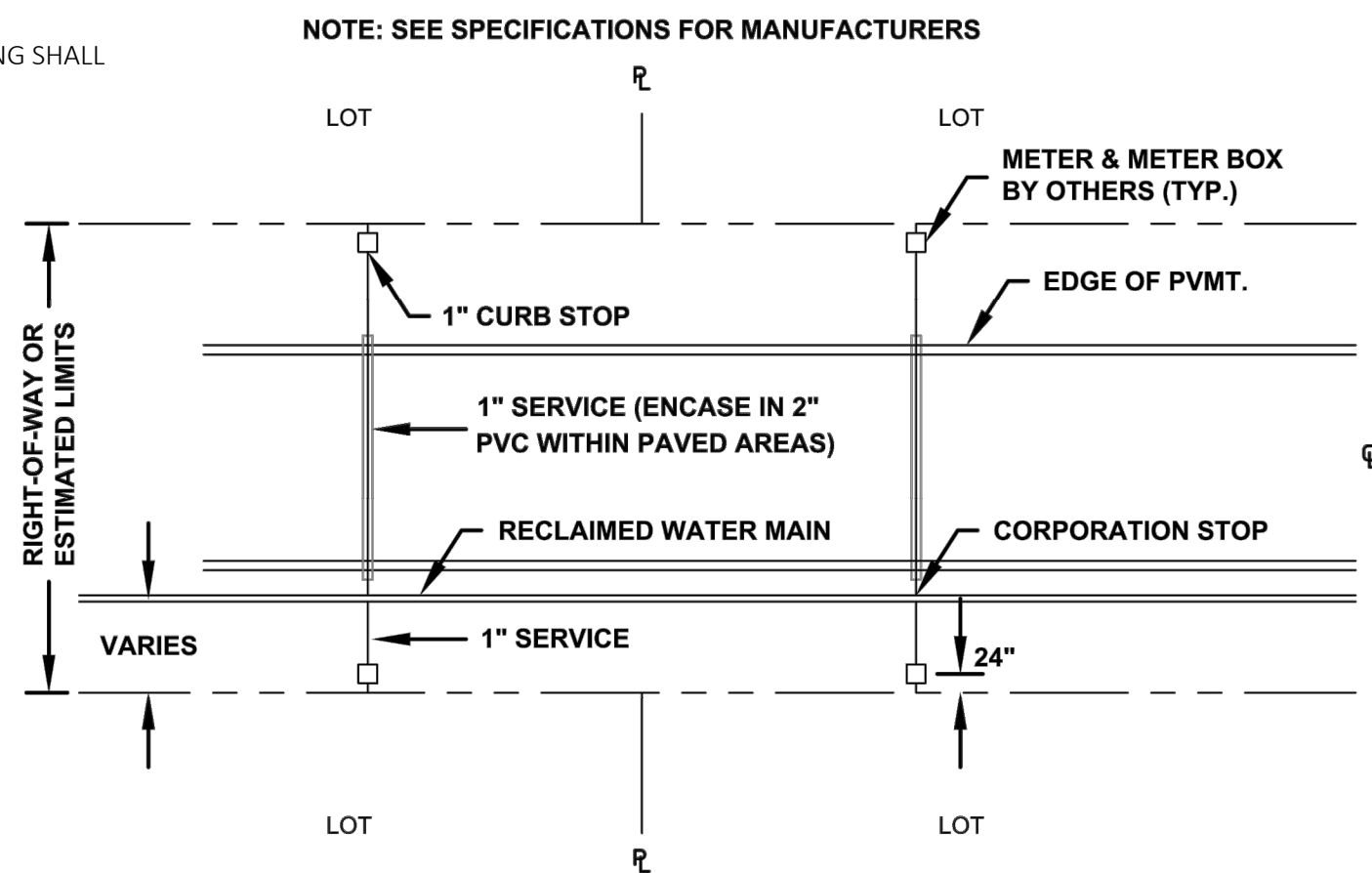
DOUBLE SANITARY SEWER SERVICE CONNECTION PLAN
SCALE: 1" = 20'



SINGLE SANITARY SEWER SERVICE CONNECTION PLAN
SCALE: 1" = 20'



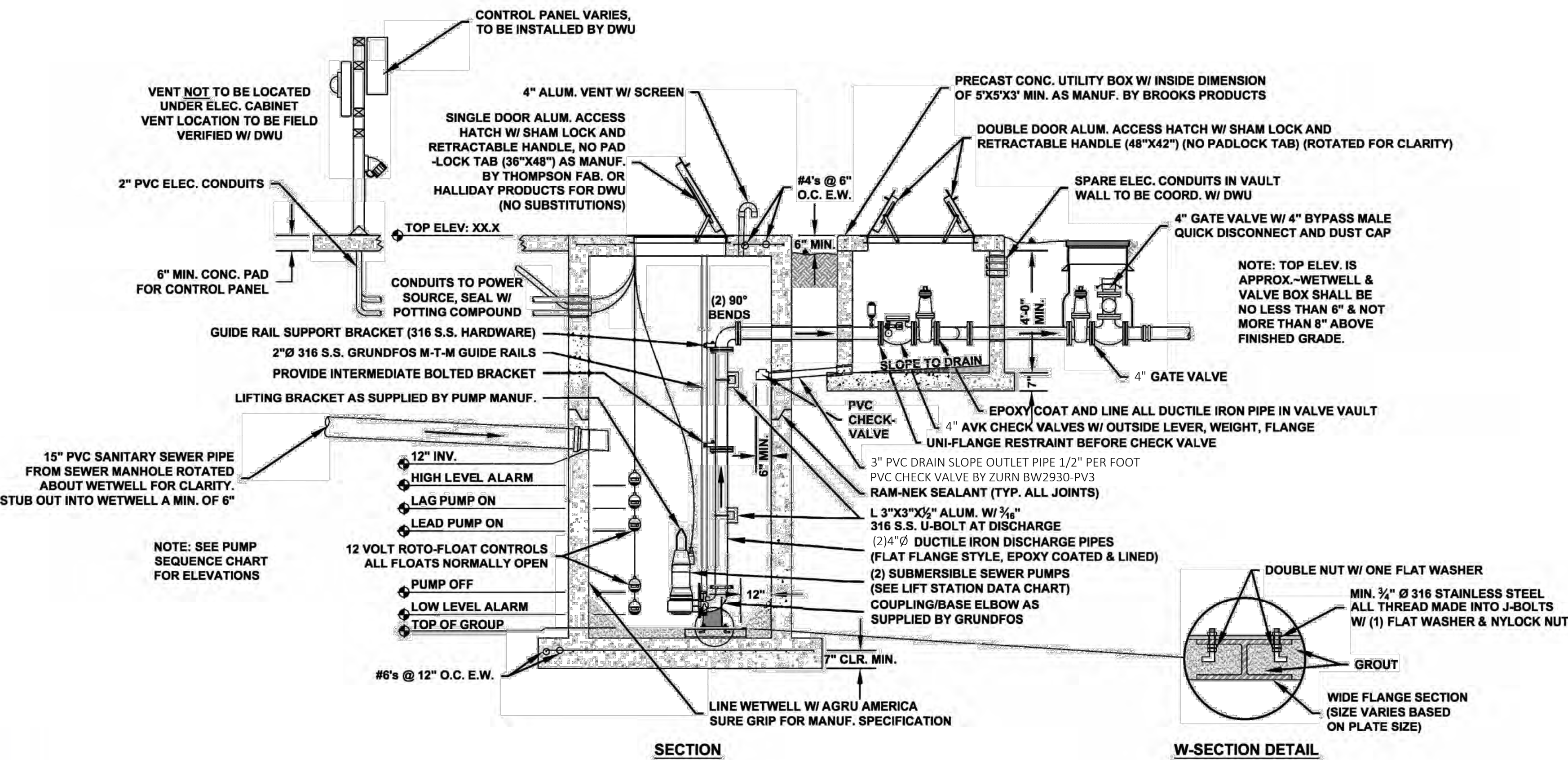
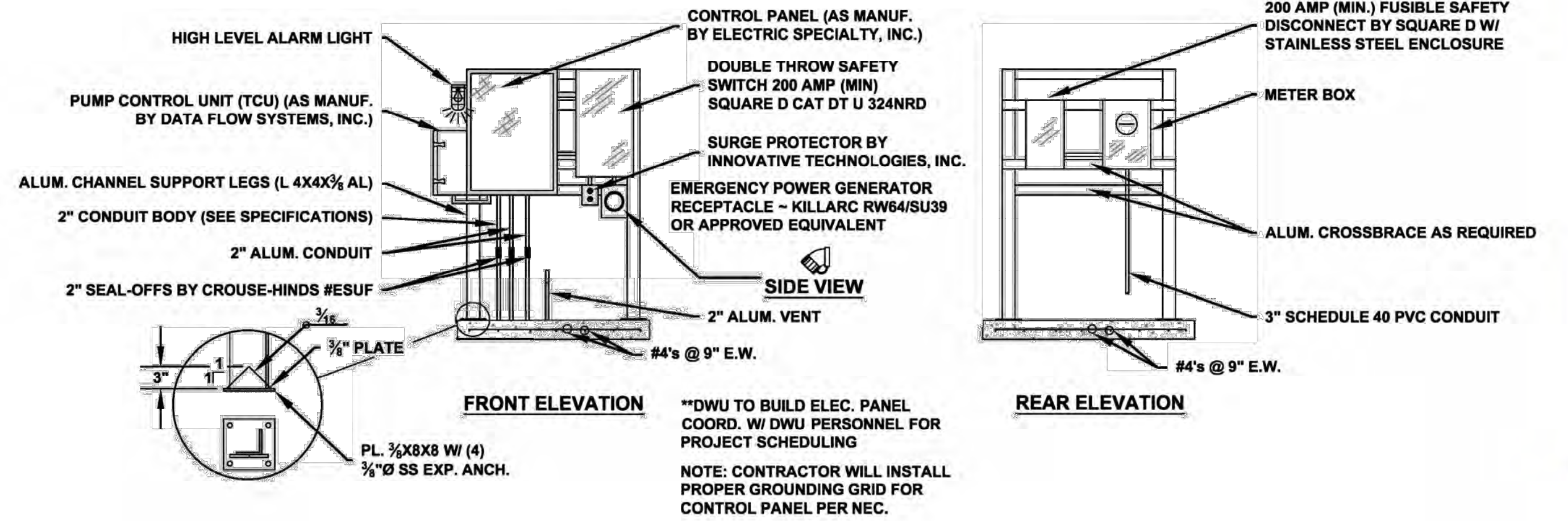
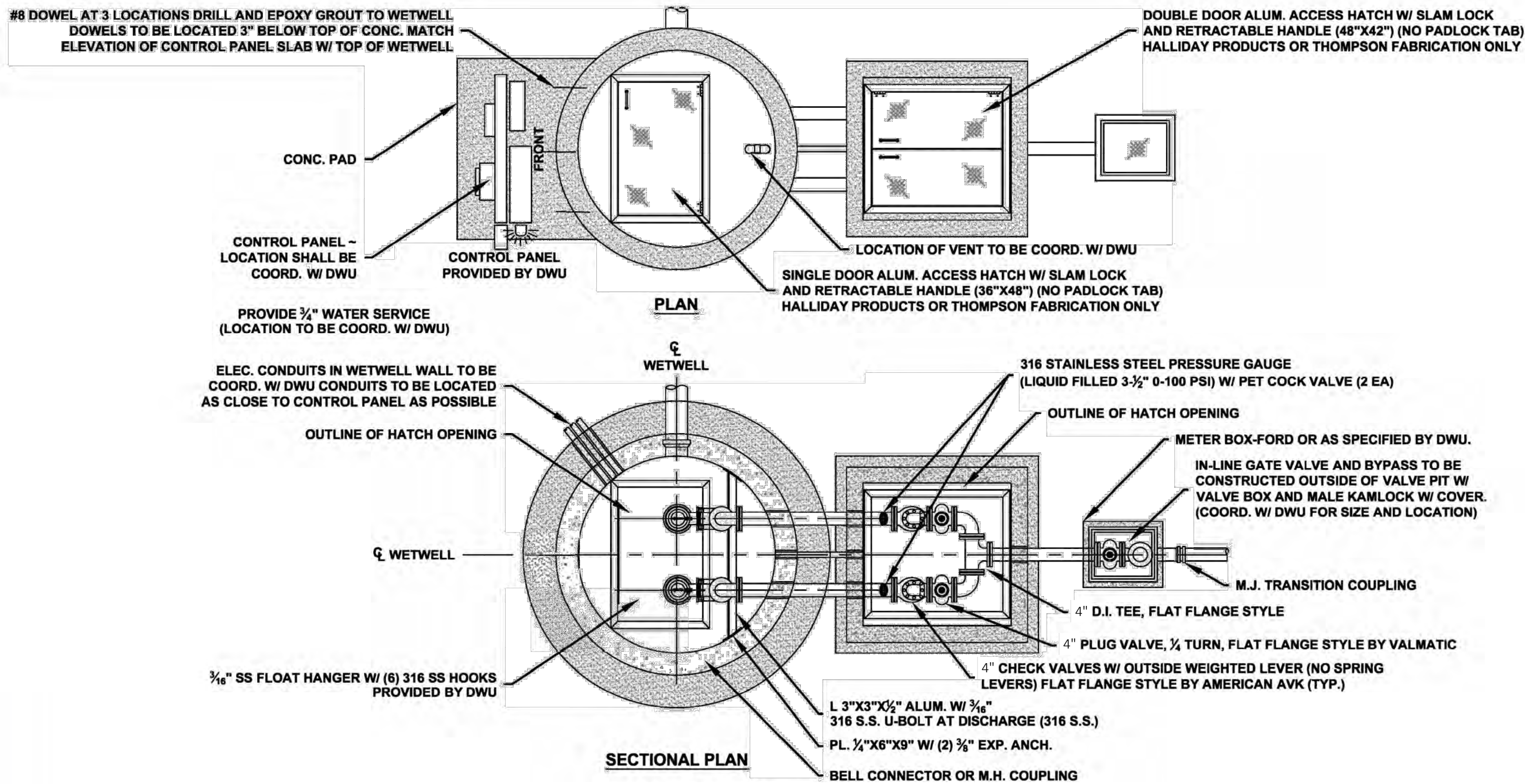
DOUBLE RECLAIMED WATER
SERVICE CONNECTION PLAN
SCALE: 1" = 20'



SINGLE RECLAIMED WATER
SERVICE CONNECTION PLAN
SCALE: 1" = 20'



DATE:	REV #	DATE	BY	REASON
..... 2014	1	 2014		
REVISION DATE:				
DRAWN BY:				
REVIEWED BY:				
SHEET:				



LIFT STATION DATA		
DESIGNATION	** KSB	
WETWELL DIAMETER	** 6"	
PUMP MODEL	** ØBT F 100-200/34XG-S	
VOLTAGE	** 230	
H.P.	** 5	
R.P.M.	** 1750	
DELIVERY, GPM	** 109	
TOT. FEET	** 29.3	
IMPELLER	** 7.5/16"	
FORCE MAIN DIAMETER	** 4"	
MIN. SOLID SIZE	** 4"	
EFFICIENCY	**	

PUMP CONTROL SEQUENCE		
ELEVATION SETTING	RISING WATER LEVEL	FALLING WATER LEVEL
(+)**	HIGH LEVEL ALARM	4.87
(+)**	3.87	STOP ALARM AND RESET OVERRIDE
(+)**	LAG PUMP ON	3.37
(+)**	LEAD PUMP ON	2.87
(+)**	(+0.13)	PUMPS OFF AND RESET ALTERNATOR
(+)**	(+1.13)	LOW LEVEL ALARM
(+)**	BOTTOM OF WETWELL	(+1.63)

LEGEND:

- * PER PUMP MANUFACTURER'S RECOMMENDATIONS IN THEIR ENGINEERING CATALOG
- ⬆ ELEVATION
- DWU DESTIN WATER USERS, INC.
- O.C. E.W. ON CENTER, EACH WAY
- 316 S.S. 316 STAINLESS STEEL
- D.I. DUCTILE IRON

ALL FLOAT SETTINGS ARE APPROXIMATE. CONTRACTOR TO FIELD ADJUST FLOATS AS INSTRUCTED BY DWU DURING LIFT STATION TESTING.



Butch Branton - Municipal Sales
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DATE:	REASON	BY:	DATE:	REV #	REVISION DATE:	DRAWN BY:	REVIEWED BY:	SHEET:
March 3, 2018				1		ER	MASS	7.7 OF 47

SECTION 1 CLEARING AND GRUBBING	
1-1 Description	The work specified in this Section consists of clearing and grubbing within the project limits. Included in the work under this Section is the removal and disposal of existing pavement, as well as all protruding objects such as trees, stumps, roots, etc., necessary to prepare the area for the proposed construction; and removal and disposal of all product and debris which are not required to be salvaged or not required to complete the construction. Clearing and Grubbing shall conform to the requirements of Section 110 of the "Florida Department of Transportation Specifications for Road and Bridge Construction", latest edition except as may herein be modified.
1-2 Work Included	Clearing and grubbing shall consist of the complete removal and disposal of all timber, brush, stumps, roots, rubbish, and debris and all other construction resting on or protruding through the surface of the existing ground and the surface of excavated areas, and all other structures and obstructions necessary to be removed and for which the removal thereof is not specified to be done under other items of the contract. Unless otherwise shown in the plans, clearing and grubbing shall be done in the following areas: 1. All areas where excavation is to be done including borrow pits, lateral ditches, right-of-way ditches, etc. 2. All areas where embankments will be constructed. 3. All areas where structures will be constructed. 4. Any other areas specifically called for on the plans to be cleared and grubbed.
1-3 Depths of Removal of Roots, Stumps, and Other Debris	In all areas where excavation is to be done and where the excavated material is to be used in the construction of embankments, or roadway base, also in all areas where roadway embankment will be constructed; roots, and other debris shall be removed to a depth of at least one foot below ground surface. The surface shall then be plowed to a depth of at least six inches and all roots thereby exposed shall be removed to a depth of at least one foot. All stumps within the construction limits shall be removed and disposed of by the Contractor.
1-4 Disposal of Materials	Timber, stumps, brush, roots, and other objectionable material resulting from the clearing and grubbing shall be disposed of by the Contractor in locations and by methods approved by the local governing authority.
END OF SECTION	
SECTION 2 EXCAVATION AND EMBANKMENT	
2-1 Description	The work specified in this Section consists of the excavation and embankment required for the pavement and ditches; the excavation and backfilling of pipe and utility trenches, and includes the preparation of subgrades; the construction of embankments, and other utilization or satisfactory disposal of the materials excavated; and the compaction and dressing of excavated areas and embankments. All Excavation and Embankment shall conform to the requirements of Section 120 of the "Florida Department of Transportation Specifications for Road and Bridge Construction", latest edition, except as may herein be modified.
2-2 Excavation 2-2.1 Classification of Excavation	All excavation is classified as regular excavation. Regular excavation shall consist of the excavation and the utilization or satisfactory disposal of all materials necessary for the construction of the roadway and side ditches, and the installation of pipe and utility trenches.
2-2.2 Excavation for Pipework	All excavation shall be made along straight lines by open cut unless otherwise authorized by the Engineer or otherwise shown on the plans. Holes for pipe bells shall be hand excavated and the pipe rests upon the bottom of the excavation for its full length. If the bottom of the excavation is found to consist of rock, or any material that cannot be excavated to give a uniform bearing pressure, the material shall be removed to a depth at least six inches below established bottom grade and backfilled to grade with thoroughly compacted sand at the Contractor's expense. Any excavation carried below the depths indicated, without specific direction from the Engineer, shall be backfilled in the same manner. Trench width measured at one foot above the top of pipe for all pipe other than that approved for assembly prior to installation in the trench shall be: 1. The outside diameter of the pipe plus 16 inches for pipe up to and including 30 inches inside diameter. 2. The outside diameter of the pipe plus 24 inches for pipe greater than 30 inches inside diameter. 3. Where sheeting or shoring is used, the allowable width shall be measured between the inside face of the sheeting or shoring.
2-2.3 Excavation for Roadway	For all pressure line piping approved for complete assembly prior to installation in the trench, the minimum trench width shall be the outside diameter of the coupling or joint plus two inches.
2-2.4 Shoring	Excavated material to be used for backfill shall be neatly deposited at the sides of the trenches where space is available. Where stockpiling of the excavated material is required, the Contractor shall obtain the sites to be used and maintain operations so as to provide for natural drainage and not present an unsightly appearance. Rock, shell, or other base materials for roads shall be carefully selected and kept separate. Grade and line stakes shall be protected. No excavated material shall be placed on private property other than the Owner's.
2-2.5 Dewatering for Pipework	Dewatering, if required, shall be continued during construction to keep the ground water below the level of the back-fill at all times until the backfill is completed. Water settling may be approved or required, and shall consist of continuing the well points in service and applying water as directed to the excavation during backfill.
2-2.6 Shoring	When necessary to protect workmen, banks, adjacent paving, structures and utilities, excavations shall be shored and braced by members of suitable size and arrangement. Shoring, bracing and sheeting shall be removed as excavations are backfilled in a manner to prevent injurious caving. Where directed by the Engineer, the sheeting shall be left in place in the backfill with proper bracing to provide lateral support.
2-3 Disposal of Unsuitable Materials	If not otherwise designated in the plans, unsuitable materials shall be disposed of by the Contractor in areas provided by him, to the satisfaction of the Engineer and the local governing authority.
2-4 Disposal of Excess Useable Materials	Excess useable materials shall be disposed of by the Contractor in areas provided by the Owner and to the satisfaction of the Owner. The determination whether material is classified as useable or unsuitable shall depend upon the judgement of the Engineer.
2-5 Materials for Embankment	All suitable material resulting from the excavation shall be used as much as practical during construction. Embankment shall not be constructed of material containing mud, stumps, roots, brush, vegetable matter, rubbish or other material that will not meet the compaction requirements. All material designated as undesirable shall be removed as provided above.
2-6 Embankment Construction	Material placed over the areas of the project which are to be grassed, seeded and mulched, or sodded shall be suitable for plant growth and free from appreciable quantities of hard clods, stiff clay, hardpan, gravel, brush, roots, refuse, or other deleterious materials and shall be of reasonably uniform quality.
2-7 Backfilling of Pipework	Backfilling shall be done in the following manner: 2-7.1 General All fill and backfill shall be free from organic matter such as roots, stumps, trees, refuse, or other objectionable material. Except as specified otherwise, fill and backfill shall be placed in layers not more than 6 inches thick and each layer shall be compacted thoroughly and evenly. The moisture content of the fill material shall be such that proper compaction will be obtained. Backfill shall not be placed against concrete within seven days after it has been poured and only when directed by the Engineer. 2-7.2 Backfilling Trenches The initial backfill shall be carefully deposited on both sides of the pipe at the same time and thoroughly compacted around the barrel of the pipe until enough backfill has been placed to provide a cover of one foot above the top of the pipe. The remainder of the trench shall be backfilled in well compacted one-foot layers. Except for trenches excavated in roads and streets, the backfill shall be placed and compacted to the density specified in Article 2-8.4, with approved mechanical tampers in six inch layers to the top of the trench. Water settling may be used where approved and shall be used where directed by the Engineer. The top material shall be used last and the surface of the trench restored to its original elevation. Under no condition is construction debris to be included with the backfill. Excavated material consisting of mud, muck, clay or other unsuitable material may not be utilized in the backfill. Where sheeting is withdrawn, all cavities remaining in or adjoining the trench shall be solidly filled and thoroughly compacted. Where sheeting is to remain in place, all cavities behind it shall be backfilled in the same manner as specified for trench backfill. No sheeting that has been driven below the pipe invert may be removed. Before backfilling is completed all sheeting to remain shall be cut off at a line three feet below finish grade.
2-8 Compaction Requirements	2-8.1 Compaction of Embankments Each layer of the material used in the formation of the embankments shall be compacted to a density of at least 95 percent of the maximum density as determined by AASHTO T 180. Each layer shall be uniformly compacted, using equipment which will achieve the required density, and as compactive operations progress, each layer shall be shaped and manipulated as necessary to assure uniform density throughout the embankment. 2-8.2 Compaction of Subgrade The subgrade in both cuts and fills shall be compacted to a density of at least 95 percent of the maximum density as determined by AASHTO T 180. It shall be the Contractor's responsibility to maintain the required density until the base or pavement, as applicable, is placed on the subgrade. A copy of the density test results shall be provided to the Engineer for approval prior to beginning base operations. 2-8.2.1 Compaction Test Requirements for Parking Areas Compaction tests shall be provided by the Contractor, at his expense, at intervals of no more than one density test per horizontal layer per 500 square yards of subgrade or three (3) tests minimum to verify density. 2-8.2.2 Compaction Test Requirements for Roadways Compaction tests shall be provided by the Contractor, at his expense, at intervals of no more than two hundred feet, staggered to the left, right, and on centerline to verify density. 2-8.3 Compaction of Grassed Areas For the upper six-inch layer of areas to be grassed, no specific density will be required under this Section and compaction shall be only to the extent directed. 2-8.4 Compaction for Pipes, Culverts, Etc. The backfill for trenches shall be compacted to a density of at least 95 percent of the maximum density as determined by AASHTO T 180 and in accordance with other sections of these specifications. Embankment over and around pipes and culverts shall be thoroughly compacted in a manner which will not place undue stress on the structures.

Final Dressing

As a final grading operation, the surface of the earth work shall be shaped to conform to the lines, grades, and cross sections shown in the plans, or as directed, within the tolerances specified below.

A tolerance of 0.3 foot above or below plan cross section will be allowed on the final earth work surface with the following exceptions:

- (1) The surface of shoulders and berms shall be shaped to within 0.1 foot of the plan cross section.
- (2) Earth work shall be shaped to match adjacent pavement, curb, sidewalk, structures, etc.
- (3) Ditch bottoms shall be shaped so that no water will be impounded.

When dressing area adjacent to pavement, care shall be exercised to avoid possible damage to such pavements.

2-10 Inspection

The Contractor shall be responsible for notifying the local governing authority to arrange for inspections of the embankment and subgrade. The local governing authority shall be notified twenty-four (24) hours before the construction is ready for inspection.

END OF SECTION

SECTION 3

PAVEMENT BASE COURSE

3-1 Description

The work specified in this Section consists of the construction of a pavement base course. The base course shall be constructed on a prepared subgrade and in a single course. The base course shall be constructed in accordance with these specifications and in conformity with the material, lines, grades, notes and typical cross sections shown in the plans.

3-2 Sand-Clay Base Course

Sand-Clay material for use in the construction of Sand-Clay Base shall be a mixture of sand and clay, and shall be free of trash, foreign matter and other deleterious material. It shall not contain lumps or aggregate of such nature or in sufficient quantity to prevent the obtaining of a smooth surface, free from pits and pockets. It shall not contain particles of aggregate which will not pass a one-inch sieve. Sand-Clay Base Course shall conform to the requirements of Sections 240 and 912 of the "Florida Department of Transportation Specifications for Road and Bridge Construction", latest edition, except as may herein be modified.

3-2.1 Composition and Gradation

The material passing the 10-mesh sieve shall meet the following requirements for composition, gradation, etc.:

Percent	
(of material passing the 10-Mesh Sieve)	
Clay material (smaller than 0.005 mm)	8 to 21
Silt (material from, 0.005 to 0.05 mm)	0 to 25
Combined Clay and silt	8 to 25

3-2.2 Bearing Value and Plasticity

3-2.2.1 Bearing Value

The material shall have a Limerock Bearing Ratio Value of at least 75.

3-2.2.2 Plasticity

The material shall meet the following requirements for plasticity (based on tests made on the portion passing the No. 40 sieve):

Liquid Limit -	Not greater than 25.
Plasticity Index -	Not greater than 6.

3-2.3 Source of Material

The area where sand-clay base material is obtained shall be approved by the Engineer.

3-2.4 Equipment for Placing Sand-Clay Base

3-2.4.1 Graders

Blade graders shall be of the rubber-tired self-propelled type, of sufficient size and weight to accomplish the desired results.

3-2.4.2 Rollers

Pneumatic-tired rollers shall have a double row of wheels equipped with rubber tires so spaced that the tires on the front and rear rows together will cover the entire area over which the rollers travel.

3-2.5 Placing and Mixing Sand-Clay Base Materials

For one-course construction, the placing and mixing of the base course materials shall be done as provided hereinafter for either Case 1 or Case 2.

3-2.5.1 Case 1:

This covers the use of base course material consisting of natural sand-clay with which the mixture of additional sand or clay is not necessary. The material may be dumped directly on the subgrade but shall be uniformly distributed by approved methods. The loose thickness shall be as designated by the Engineer and shall be checked continuously by the Contractor to insure that the finished base will have the thickness and shape required by the typical section. The base course shall be thoroughly mixed for its full width and depth as shown in the plans. After the mixing is completed, the material shall be shaped to the required grade and cross section.

3-2.5.2 Case 2:

This covers the use of base course material consisting of a mixture of two materials, both of which are to be hauled in. The materials shall be spread in successive layers on the road and mixed in place. The Engineer will determine the order in which the two materials shall be spread, as well as the depth of layers of each material. The dumping and spreading of the material, the mixing of the two materials and the shaping of the base shall be done as specified for Case 1.

3-2.6 Compaction

The material shall have approximately the optimum moisture content and the proper loose consistency before being compacted. Wetting or drying will be required when the material does not have the property moisture content to insure the required density. If the material is deficient in moisture, water shall be added and uniformly mixed in by diskings the base course to its full depth. If the material contains an excess of moisture, it shall be caused to dry before being compacted. Wetting or drying operations shall involve manipulation of the entire width and depth of the base as a unit. As soon as proper conditions of moisture are attained, the material shall be compacted to a density not less than 98 percent of the maximum density as determined by AASHTO T 180. In-place compaction tests to verify densities will be taken which represent an area no greater than 500 square yards in size. A minimum of three (3) tests shall be taken. A copy of the density tests shall be provided to the Engineer for approval prior to beginning paving operations.

3-3 Limerock and Crushed Aggregate Base Course

Limerock Base Course shall conform to the requirements of Section 200 of the "Florida Department of Transportation Specifications for Road and Bridge Construction", latest edition, except as may herein be modified.

Crushed Aggregate Base Course shall conform to the requirements of Section 204 of the "Florida Department of Transportation Specifications for Road and Bridge Construction", latest edition, except as may herein be modified.

3-3.1 Gradation Requirements

3-3.1.1 Gradation Requirements for Limerock Base Course

Gradation requirements specified herein shall apply to the completed base course. The aggregates shall have a maximum size of 1-inch and be graded continuously well within the limits specified for #56 stone.

3-3.1.2 Gradation Requirements for Crushed Aggregate Base Course

Gradation requirements specified herein shall apply to the completed drive course. The aggregates shall have a maximum size of 1-inch and be graded continuously well within the limits specified in Table 1. Sieves shall conform to ASTM E11.

3-3.2 Liquid Limit and Plasticity Index

GRADATION OF AGGREGATES

Percentage by Weight Passing Square Mesh Sieve	Sieve Designation	%
1-inch	100	100
1/2-inch	40	70-75
No. 4	20-50	
No. 40	5-25	
No. 200	0-10	

3-3.2.1 Liquid Limit and Plasticity Index for Limerock Base Course

The liquid limit should not exceed 25 and the material shall be non-plastic.

3-3.2.2 Liquid Limit and Plasticity Index for Crushed Aggregate Base Course

liquid limit and plasticity index requirements stated herein shall apply to any aggregate component that is blended to meet the required gradation and also to the aggregate in the completed driveway. The portion of the aggregate passing No. 40 sieve shall be either non plastic or have a liquid limit not greater than 25 and a plasticity index not greater than 5.

3-3.3 Limerock Bearing Ratio

Limerock material used in construction of loose rock base shall have an average LBR ratio of not less than 100.

3-3.4 Stockpiling Materials

Aggregate shall be stockpiled on the cleared and leveled areas designated by the Engineer. The material shall be placed in such a manner so as to prevent segregation and allow drainage of water.

3-3.5 Mixing of Materials

The coarse and fine aggregates shall be mixed in a stationary plant, or in a traveling plant or bucket loader on an approved paved working area, and delivered as one mixture containing the fine and coarse aggregate. The supplier shall make such adjustments in mixing procedures or in equipment as may be directed to minimize segregation or degradation, and to ensure a satisfactory base course meeting all requirements of this specification.

3-3.6 Equipment

The material shall be spread by mechanical rock spreaders, equipped with a device which strikes off the rock uniformly to the laying thickness and capable of producing an even distribution of the rock.

3-3.7 Spreading, Shaping, and Compacting

3-3.7.1 General

The material shall be spread uniformly with equipment as specified above. All segregated areas of fine or coarse material shall be removed and replaced with properly graded rock. After the spreading is completed, the entire surface shall be scarified and then shaped so as to produce the required grade and cross section after compaction.

3-3.7.2 Moisture Content

When the material does not have the proper moisture content to insure the required density, wetting or drying will be required. When water is added, it shall be uniformly mixed-in by diskings to the full depth of the course which is to be compacted. Wetting or drying operations shall involve manipulation, as a unit, of the entire width and depth of the course which is to be compacted.

3-3.7.3 Density Requirements

The material shall be compacted to a density of not less than 98 percent of maximum density as determined AASHTO T 180 as soon as proper conditions of moisture are obtained.

3-3.7.4 Density Tests	In-place compaction tests shall be provided by the Contractor, at his expense, to verify densities. Such compaction tests shall represent an area no greater than 500 square yards in size, or a minimum of three (3) tests over the site. A copy of the density tests shall be provided to the Engineer for approval prior to beginning paving operations. During final compacting operations, if blading of any areas is necessary to obtain the true grade and cross section, the compacting operations for such areas shall be completed prior to making the density tests on the finished base.
3-4 Testing Surface	The finished surface of the base course shall be checked with a 15-foot straightedge. All irregularities greater than 1/4 inch shall be corrected by scarifying and removing or adding base material as required, after which the entire area shall be recompacted as specified herein before.
3-5 Thickness Requirements	The thickness of the base shall be measured at various points representing an area no greater than 500 square yards, or at a minimum of three (3) points over the site, through holes not less than three inches in diameter. Where the compacted base is deficient by more than 1/2 inch from the required thickness, the Contractor shall correct such areas by scarifying, adding material, and recompacting. The base shall be scarified and material added for a distance of 100 feet in each direction from the edge of the deficient area. The affected area shall then be brought to the required state of compaction and to the required thickness and cross section. A copy of the base thickness testing results shall be provided to the Engineer for approval prior to beginning paving operations.
3-6 Maintenance	The Contractor shall be responsible for assuring that the true crown and grade are maintained, with no rutting or other distortion, and that the base meets all other requirements of these specifications at the time of paving.
END OF SECTION	
SECTION 4 ASPHALTIC CONCRETE PAVEMENT	
4-1 Description	The work specified in this Section consists of constructing an asphaltic concrete wearing surface to a uniform grade and cross-section. The work shall be in accordance with these specifications and in conformity with the lines, grades, notes, and typical sections shown in the plans.
4-2 Materials	4-2.1 Asphaltic Concrete Wearing Surface The asphaltic concrete wearing surface type shall be as specified in the asphaltic concrete pavement section as shown in plan details. Type S-1 Asphaltic Concrete shall conform to the requirements of Section 331, Type II Asphaltic Concrete shall conform to the requirements of Section 332, and Type S-11 Asphaltic Concrete shall conform to the requirements of Section 331 of the "Florida Department of Transportation Specifications for Road and Bridge Construction", latest edition, except as herein modified: The job mix formula shall produce a minimum Marshall Stability of 1500 pounds. 4-2.2 Prime Coat The prime coat shall be cut-back Asphalt Grade RC-70 or RC-250 conforming to the requirements of Section 300 and Article 916-2 of the "Florida Department of Transportation Specifications for Road and Bridge Construction", latest edition. 4-3 General Construction Requirements The general construction requirements are as specified in Section 330 of the "Florida Department of Transportation Specifications for Road and Bridge Construction", latest edition, except as may herein be modified. 4-3.1 Asphaltic Concrete Wearing Surface The asphaltic concrete wearing surface shall be placed to a compacted depth as specified in the asphaltic concrete pavement section as shown in plan details and shall have a minimum compacted density of 108 lbs./N/59. Prior to laying the mixture, the surface of the base course shall be cleaned of all loose and deleterious material and, if required, a prime coat as herein specified shall be applied. 4-4 Testing The thickness of pavement and pavement density shall be determined by the length of cores, at two inches in diameter, taken at random points in the paved area. Each core shall represent a section not larger than 500 square yards in size. A minimum of three (3) tests shall be taken. Asphaltic Concrete Wearing Surface deficient in thickness and/or density shall be corrected to the satisfaction of the Engineer. A copy of the asphalt thickness testing results shall be provided to the Engineer.
END OF SECTION	
SECTION 5 CONCRETE PAVEMENT, SIDEWALK, AND CURB	
5-1 Description	The work specified in this Section consists of the construction of concrete pavement, sidewalks, and curbs in accordance with these specifications, and in conformity with the lines, grades, dimensions, and notes shown in the plans. Concrete pavement, sidewalks, and curbs shall conform to the requirements of Sections 345 and 350 of the "Florida Department of Transportation Specifications for Road and Bridge Construction", latest edition, except as may herein be modified.
5-2 Materials 5-2.1 Concrete	The material shall be obtained from an approved plant having an approved design mix. All concrete shall have a minimum strength in 28 days as specified shown in plan details.
5-2.2 Reinforcement	The concrete for concrete pavement areas shall be treated with synthetic reinforcing fibers as manufactured by Fibermesh Company, and in accordance with ASTM standard specification for fiber-reinforced concrete and Shotcrete, C 1116. The dosage rate shall be one and one-half (1-1/2) pounds of fibers per cubic yards of concrete.
5-3 Forms	Forms for this work shall be made of either wood or metal and shall have a depth equal to the plan dimensions for the depth of concrete being deposited against them. They shall be straight, free from warp or bends, and of sufficient strength, when stacked, to resist the pressure of the concrete without deviation from line and grade. Forms shall be cleaned each time they are used and shall be oiled or saturated with water prior to placing the concrete.
5-4 Foundation	Excavation shall be made to the required depth and the foundation material upon which the concrete is to be set shall be compacted as specified below, true to grade and cross section, and shall be moist at the time that the concrete is placed. The foundation over which concrete is placed shall be crushed aggregate base compacted to 98% of the maximum density as determined by AASHTO T 180 or compacted subgrade as specified in Article 2-8 of these specifications in accordance with the plan details.
5-5 Joints	5-5.1 Expansion Joints Expansion joints shall be 1/2 inch, formed with a pre-formed joint filler. Expansion joints shall be provided at all points-of-tangency for curbs and sidewalks at intervals of 50 feet between other expansion joints or at ends of runs. In addition, expansion joints shall be provided at the interface between concrete curbs and concrete pavement or other concrete objects. 5-5.2 Contraction Joints Contraction joints shall be provided at the interface between concrete curbs and concrete pavement or other concrete objects. 5-5.2.1 Concrete Pavement Types: Contraction joints may be of the open type or may be sawed. Contraction joints shall be spaced at maximum intervals of fifteen feet.
Open-Type Joints:	Open-type contraction joints shall be formed by staking a metal bulkhead in place and depositing the concrete on both sides. After the concrete has set sufficiently to preserve the width and shape of the joint, the bulkhead shall be removed. After the concrete has been finished over the joint, the slot shall be edged with a tool having a 1/4 inch radius.
Sawed Joints:	If the Contractor elects to saw the contraction joints, a slot approximately 1/8 inch wide and not less than 2 inches deep shall be cut with a concrete saw after the concrete has set, and within the following periods of time: Joints at not more than 30-foot intervals: 12 hours after finishing Remaining joints: Within 96 hours after finishing.
5-5.2.2 Concrete Sidewalk	Types: Contraction joints may be of the open type or may be sawed. Contraction joints shall be spaced at intervals of five feet.
Open-Type Joints:	Open-type contraction joints shall be formed by staking a metal bulkhead in place and depositing the concrete on both sides. After the concrete has set sufficiently to preserve the width and shape of the joint, the bulkhead shall be removed. After finishing the sidewalk over the joint, the slot shall be edged with a tool having a 1/2 inch radius.
Sawed Joints:	If the Contractor elects to saw the contraction joints, a slot approximately 3/16 inch wide and not less than 1-1/2 inches deep shall be cut with a concrete saw after the concrete has set, and within the following periods of time: Joints at not more than 30-foot intervals: 12 hours after finishing Remaining joints: Within 96 hours after finishing.
5-5.2.3 Concrete Curb	Except for machine placed items, at the option of the Contractor, joints may be formed by the use of dummy joints (either formed or sawed) or by the use of sheet metal templates. If sheet metal templates are used they shall be of the dimensions, and shall be set to the lines, shown in the plans. The templates shall be held firmly during the placing of the concrete and shall be left in place until the concrete has set sufficiently to hold its shape but shall be removed while the forms are still in place.
For machine placed items, unless an alternate method is approved by the Engineer, contraction joints shall be sawed. The joints shall be sawed as soon as the concrete has hardened to the degree that excessive raveling will not occur and before uncontrolled shrinkage cracking begins.	
Contraction joints shall be spaced at intervals of fifteen feet except where a lesser interval is required for closure, but no section shall be less than four feet in length.	
Where curb is adjacent to concrete pavement, the curb joints shall be made to align with the pavement joints.	
5-6 Placing The concrete shall be placed in the forms and tamped and spaded to prevent honeycomb and until the top of the structure can be floated smooth and the edges rounded to the required radius.	
5-7 Finishing	
5-7.1 Concrete Pavement and Sidewalk	

5-7.1.1 Screeding: The concrete shall be struck-off by means of a wood or metal screed, used perpendicular to the forms, in order to obtain the required grade and remove surplus water and laitance.	
5-7.1.2 Surface Requirements: Unless otherwise indicated on the plans, the concrete shall be given a broom finish. The surface variations shall not be more than 1/4 inch under a ten foot transverse section. The edge of the pavement shall be carefully finished with an edging tool having a radius of 1/2 inch.	
5-7.2 Curbs	
5-7.2.1 Repair of Minor Defects The forms shall be removed within 24 hours after the concrete has been placed, and minor defects then filled with mortar composed of one part portland cement and two parts fine aggregate. Plastering will not be permitted on the face of the curb, and any rejected curb shall be removed and replaced without additional compensation.	
5-7.2.2 Final Finish All exposed surfaces shall be given a finish while the concrete is still green. In general, only a brush finish will be required. For any surface areas, however, which are too rough or where other surface defects make additional finishing necessary, the Engineer may require that the curb be rubbed to a smooth surface with a soft brick or wood block, with water used liberally. Also, if further necessary to provide a suitable surface, the Engineer may require additional rubbing, using a thin grout or mortar.	
5-8 Curing The concrete used for curbs shall be cured for 72 hours by a method approved by the Engineer.	
END OF SECTION	
SECTION 6 STORM DRAINAGE SYSTEM	
6-1 Description	The work specified in this Section consists of the construction of inlets and the furnishing and installation of drainage pipe. All work shall be constructed in conformity with these specifications and the sizes and dimensions shown in the plans.
6-2 Materials	6-2.1 Concrete Inlets All inlet construction covered under this Section shall be of concrete that will have a minimum compressive strength of 3,000 psi in 28 days. 6-2.1.1 Reinforcement Reinforcing steel shall comply with ASTM A 1015, Grade 40. Reinforcement placement shall conform to ACI 315 and with the plans. Welded Wire Fabric shall comply with ASTM A 1110S. 6-2.1.2 Gratings Gratings and frames fabricated from structural steel shall be galvanized in accordance with the requirements of ASTM A 123 or shall be painted with two coats of prime, followed by one coat of material meeting the requirements of Federal Specification TT-E-489, Class A Black. All paint may be applied in the shop by dipping, provided that each coat is thoroughly dry before the succeeding coat is applied. These requirements do not apply when A-588 steel is used.
6-2.2 Polyvinyl Chloride Inlets	Polyvinyl Chloride Inlets shall be manufactured from PVC pipe stock, utilizing a thermo-molding process to reform the pipe stock to the specified configuration. The inlets shall be manufactured by Nyloplast or equal approved by the Engineer. The pipe connection stubs shall be manufactured from PVC pipe stock and formed to provide a watertight connection. The joint tightness shall conform to ASTM D3212. The pipe stock used to manufacture the body and pipe stubs of the inlets shall conform to the mechanical property requirements for fabricated fittings as described by ASTM D3034 and ASTM F1336. Gratings, frames, and hoods for all PVC inlet structures shall be ductile iron conforming to ASTM A536 grade 70-50-05 and shall be painted with two coats of prime, followed by one coat of material meeting the requirements of Federal Specification TT-E-489, Class A Black. All paint may be applied on the pipe before the succeeding coat is applied. The material used for the inlets shall be painted with two coats of prime, followed by one coat of material meeting the requirements of Federal Specification TT-E-489, Class A Black. All paint may be applied on the pipe before the succeeding coat is applied. The material used for the inlets shall be painted with two coats of prime, followed by one coat of material meeting the requirements of Federal Specification TT-E-489, Class A Black. All paint may be applied on the pipe before the succeeding coat is applied. The material used for the inlets shall be painted with two coats of prime, followed by one coat of material meeting the requirements of Federal Specification TT-E-489, Class A Black. All paint may be applied on the pipe before the succeeding coat is applied. The material used for the inlets shall be painted with two coats of prime, followed by one coat of material meeting the requirements of Federal Specification TT-E-489, Class A Black. 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7-2.1 Paint
Paint for parking stripes shall conform to Section 971 of the referenced Florida Department of Transportation Standard Specifications, Code T-1 (white). Blue pavement markings shall be tinted to match shade 15180 of Federal Standards 595a.

7-3 Application and Installation

7-3.1 Paint
The surface which is to be painted shall be cleaned, by compressed air or other effective means, immediately before the start of painting, and shall be clean and dry when the paint is applied. Any vegetation or loose material shall be removed from the pavement before striping is begun.

The paint shall be thoroughly mixed before it is poured into the painting machine. The painting machine shall be of a type and design which will readily obtain uniformity with regard to paint stripe thickness and alignment. The contractor shall set tack points and stringlines as required to establish proper spacing and alignment.

7-3.2 Parking Stripes and Markings

All materials and work including thickness and width shall comply with the requirements of Section 710 of the referenced Florida Department of Transportation Standard Specifications. The minimum rate of application shall be one gallon per 320 linear feet for 4 inches solid stripes.

The contractor shall be responsible for protecting new parking stripes and markings from vehicular traffic. Any defective stripes or markings or portion of the stripes or markings damaged by passing traffic or from any other cause shall be corrected at the contractor's expense.

END OF SECTION

SECTION 8
GRASSING

8-1 Description

The work specified in the Section consists of the establishing of a stand of grass, within the limits shown on the plans by sodding or seeding, mulching, fertilizing, watering, grading and maintaining the grassed areas until the completion of the project and final acceptance.

The Contractor shall install permanent vegetated ground cover over all open areas within the limits of construction and adjacent road rights-of-way where existing vegetation has been disturbed by construction operations. All stormwater retention and detention basins and swales shall be solid sodded unless otherwise noted on plans. All slopes which are 3 horizontal to 1 vertical or greater shall be solid sodded unless otherwise noted on plans.

8-2 Materials

8-2.1 Seed

Unless otherwise directed, permanent type grass seed shall be a mixture of 20 parts Bermuda seed and 80 parts Pensacola Bahia seed. Quick-growing type grass seed shall be a species which will provide an early ground cover during the particular season when planting is done and will not later compete with permanent grass. The separate types of seed used shall be thoroughly dry-mixed immediately before sowing. Seed which has become wet shall not be used.

The Bermuda seed shall be an equal mixture of hulled and unhulled seed. The Pensacola Bahia seed shall be scarified seed, having a minimum active germination of 40 percent and a total germination of 85 percent. All seed shall meet the requirements of the State Department of Agriculture and Consumer Services and all applicable State Laws.

8-2.2 Sod

Unless otherwise directed by the Owner, sod shall be of centipede grass. It shall be taken up in commercial-size rectangles, except where 12 inch strip sod is called for. It shall be well matted with roots, dense, uniform, weed-free, be certified to be free of disease and insects, nematodes, and have good sod strength. It shall be planted as soon as possible after being dug and shall be shaded and kept moist from the time it is dug until it is planted. When stacked, it shall not be allowed to heat up above 100 degrees F.

8-2.3 Fertilizer

The fertilizer for seeding and sodding shall be 12-8-8 commercial fertilizer complying with the State fertilizer laws.

8-2.4 Dolomitic Limestone

Dolomitic Limestone shall be an approved product, designated for agricultural use.

8-2.5 Mulch

The mulch material used for seeding shall be dry straw or hay, consisting of oat, rye, or wheat straw, or of pangola, peanut, coastal Bermuda or Bahia grass hay.

8-2.6 Water

Water used in the grassing and planting operations may be obtained from any approved spring, pond, lake, stream, or municipal water system. The water shall be free of salt, of excess and harmful chemicals, acids, alkalies, or any substances harmful to plant growth or obnoxious to traffic.

8-3 Grassing Limits

The Contractor shall take all precautions necessary to limit the area disturbed by construction. Existing grassed areas disturbed by construction outside the limits shown on the plans, shall be re-grassed by seeding to match existing conditions, at the Contractor's expense.

8-4 Application of Fertilizer and Lime

In areas to be seeded or sodded, fertilizer and/or lime shall be applied at a rate of 500 pounds per acre. Fertilizer and/or lime shall be spread uniformly and mixed to a depth of approximately four (4) inches.

8-5 Seeding

The ground over which the seed is to be sown shall be prepared by disk-harrowing and thoroughly pulverizing the soil to a suitable depth. The prepared soil shall be loose and reasonably smooth. It shall be reasonably free of large clods, roots, and other material which will interfere with the work or subsequent mowing and maintenance operations. While the soil is loose and moist, the seed shall be scattered uniformly over the gassing area. Unless shown otherwise in the plans, the rate of spread for the permanent type seed mixture shall be 100 pounds per acre.

When so directed by the plans or the Engineer, seed of an approved quick-growing species of grass, such as rye, shall be spread in conjunction with the permanent seed mixture at the rate of 30 pounds per acre.

8-6 Mulching

Approximately two inches, loose thickness, of the mulch material shall be applied uniformly over the seeded area and the mulch material cut into the soil to produce a loosed mulched thickness of three or four inches.

8-7 Rolling

Immediately after the completion of the seeding, the entire area grassed and mulched shall be rolled with approved equipment. At least two trips over the entire area will be required.

8-8 Sodding

Whenever a suitable area has been graded and is ready for sodding, the Contractor shall proceed at once with sodding of the available areas. Sodding shall be incorporated into the project at the earliest practical time in the life of the contract. Sodding shall not be performed when weather and soil conditions are, in the Engineer's opinion, unsuitable for proper results. The sod shall be placed on the prepared surface, with edges in close contact, and shall be firmly and smoothly embedded by light tamping with appropriate tools.

Where sodding is used in drainage ditches, the setting of the pieces shall be staggered, such as to avoid a continuous seam along the line of flow. Along the edges of such staggered areas, the offsets of individual strips shall be tampped so as to produce a featheredge effect.

On areas where the sod may slide, due to the height and slope, the Engineer may direct that the sod be pegged, with pegs driven through the side blocks into firm earth, at suitable intervals. Any pieces of sod which, after placing, show an appearance of extreme dryness shall be removed from the work.

8-9 Watering

The seeded areas shall be watered so as to provide optimum growth conditions for the establishment of the grass. The seeded areas shall be kept in a moist condition for the duration of the contract period (and in no case less than two weeks). The moistened condition shall extend at least to the full depth of the rooting zone. Water shall not be applied, however, when there is danger of a freezing condition.

8-10 Maintenance

The Contractor shall maintain seeded areas in a satisfactory condition until final acceptance is made. Such maintenance shall include watering, and filling, leveling and repairing any washed or eroded areas.

END OF SECTION

SECTION 9
POTABLE WATER SYSTEM

9-1 Description

The work specified in this section consists of the construction of a potable water system, which includes the potable water distribution mains, valving, fire hydrants, and service piping. The potable water system shall be constructed in conformity with the plans and in accordance with these specifications, or the specifications and requirements of the Destin Water Users, Inc. (Utility Company), whichever is more stringent.

9-2 Codes and Standards

The contractor shall comply with the requirements of Chapter 610-555 of the Florida Department of Environmental Protection rules and the applicable portions of the National Standard Plumbing Code pertaining to the installation of potable water systems. Additionally, the contractor shall comply with the requirements of the local fire marshal and Utility Company regulations pertaining to fire hydrants, including hose unit threading and similar matching of connections. The contractor shall obtain required permits and inspections and shall coordinate tapping of existing water mains with the Utility Company.

9-3 Materials

9-3.1 Detector wire

No. 14 copper tracer wire shall be required for all non-metallic water mains. Tracer wire shall be well connected to fire hydrants and shall be protected during backfilling operations to prevent breakage.

9-3.2 Piping and Pipe Fittings

9-3.2.1 Water Mains

Water main piping shall be polyvinyl chloride (PVC) pipe. Water main piping 9-1/2" through 3" in size shall conform to ASTM D 2241, SDR 26 (PVC material 124512-b) with push-on joints conforming to ASTM D 3139 and elastomeric gaskets conforming to ASTM F 477. Water main piping 4" through 12" in size shall conform to AWWA C 900-89, DR 18, and shall be furnished in cast-iron pipe equivalent outside diameters with rubber gasketed joints as AWWA C 900 listed. All water main piping shall be

Stamped "NSF-PW". All water main fittings shall be constructed of either ductile iron or cast iron conforming to AWWA C 110 or ANSI A 21.10, respectively.

9-3.2.2 Water Service Piping

Water service piping shall be polyethylene (PE) tubing conforming to ASTM D 1248, Class 160, with brass or bronze barbed fittings with 2 strap-type stainless steel clamps over pipe at each insert.

9-3.3 Valves

9-3.3.1 Gate Valves

Gate valves shall be of cast iron body, fully bronze mounted, double-disc, and having parallel seats, with wide flanged, mechanical joint, or spigot ends depending on installation. Gate valves shall have a minimum working pressure of 175 psi, and shall comply with AWWA C 500. Gate valves shall open by counterclockwise rotation of the valve stem and shall be fitted with hub-type hand operators. Gate valves shall be sized and located as indicated on the plans.

9-3.3.2 Water Service Clamps and Stops

9-3.3.2.1 Double Clamp Tapping Saddle

Double clamp tapping saddle shall be manufactured by Ford Metering, Co.

9-3.3.2.2 Corporation Stops

Corporation stops shall be Ford Model No. F-1000, or approved equal. Inlets shall have compression connections and outlets shall have iron pipe threads.

9-3.3.2.3 Curb Stops

Curb stops shall be as manufactured by Ford, or approved equal. Inlets shall have compression connections and outlets shall have iron pipe threads.

9-3.3.3 Valve Boxes

An adjustable cast-iron valve box of suitable size shall be provided at each gate valve. The head shall be round and the lid shall have the word "WATER" cast on it. The least dimension of the shaft of the box shall be 5-1/4". A 2'-0" diameter by 6" concrete collar shall be poured around the shaft at the valve box surface. The valve boxes shall be Clow F-2452, or approved equal.

9-3.4 Fire Hydrants

Fire hydrants shall be dry-barrel type conforming to AWWA C 502. Hydrants shall have 6" outlet, one 5-1/4" pumper connection, and two 10-1/2" hose connections. The size and shape of operating nuts and threads on hose and pumper connections shall be as required by the utility company. The hydrants shall be America Darling, (Model B84B-5) with tamper proof bonnet.

9-3.5 Anchorages

The contractor shall provide anchorages for tees, wyes, crosses, plugs, caps, bends, valves, and hydrants as required. After installation, apply full coat of bituminous material to surface of any ferrous anchorages. Anchorage types are as follows:

- (1) clamps, straps, and washers: steel, ASTM A 506.
- (2) rods: steel, ASTM A 575.
- (3) rod couplings: malleable-iron, ASTM A 197.
- (4) bolts: steel, ASTM A 307.
- (5) thrust blocks: concrete, 2500 psi, sized as indicated.

9-3.6 Water Meters

Water meters for billing are to be procured from Destin Water Users, Inc.

9-4 Installation

9-4.1 Pipe Laying and Jointing

Pipe, fittings, valves and accessories shall be carefully inspected before and after installation and those found defective shall be rejected and replaced. Before placing in position, contractor to clean pipe, fittings, valves and accessories and maintain in clean condition. Cut pipe accurately to measurements established at the site and work into place without springing or forcing. Support pipe at its proper elevation and grade, taking care to secure firm and uniform support. Lay pipe so that the full length of each section of pipe and each fitting will rest solidly on the pipe bedding; excavate recesses to accommodate bells, joints, and couplings. Provide anchors and supports where necessary for fastening work into place. Concrete reaction, thrust blocks or restrained joints shall be applied for all tees, plugs, caps and bends deflecting 210-1/2 degrees or more. Keep trenches free of water until joints have been properly made. At the end of each day's work, close open ends of pipe temporarily with wood blocks or bulkheads. Do not lay pipe when conditions of trench or weather are unsuitable. In addition to the above, PVC pipe and fittings installation shall conform to the requirements of UNI B-3.

Water mains shall be laid at least 10' horizontally from any existing or proposed sewer. The distance shall be measured edge to edge. In cases where it is not practical to maintain a ten foot separation, and when approved by D.E.P., DWU, and the Engineer, the water main may be installed closer to the sewer, provided that the water main is laid in a separate trench or on an undisturbed earth shelf located on one side of the sewer at such an elevation that the bottom of the water main is at least 18" above the top of the sewer.

Between the invert of the upper pipe and the crown of the lower pipe. Where this minimum separation cannot be maintained, the crossing shall be arranged so that the sewer pipe joints and water main joints are equidistant from the point of crossing with no less than 10' between joints. Alternatively, the sewer main be placed in a sleeve or encased in concrete to obtain the equivalent of the required 10' separation.

Excavation and backfilling of water main trenches shall conform to Section 2 of these specifications. Provide a minimum of 36" of cover over water mains.

9-4.2 Gate Valves

Install gate valves in accordance with the requirements of AWWA C 600 for valve-and-fitting installation. Valve boxes shall be placed concentrically over the valve operating nut.

9-4.3 Fire Hydrants

Install fire hydrants in accordance with the requirements of AWWA C 600 and AWWA M 17, "Installation, Operation, and Maintenance of Fire Hydrants".

9-4.4 Connection to Existing Water System

Coordinate and make connections to the existing water system in a manner approved by the Utility Company, and with a minimum interruption of service on the existing system.

9-5 Field Testing

9-5.1 General

Conduct piping tests before joints are covered, and after thrust blocks have sufficiently hardened. Fill pipeline with water 24 hours prior to testing, and apply test pressure to stabilized system.

9-5.2 Hydrostatic Tests

9-5.2.1 Pressure During Test

After the pipe has been laid and backfilled as specified, each valved section of newly laid pipe shall, unless otherwise specified, be subjected to a hydrostatic pressure equal to 150 psi. The contractor shall record the testing by the use of a pressure recording gauge, and after all testing is complete, the recording shall be turned over to the engineer for his files.

9-5.2.2 Duration of Pressure Test

The duration of each pressure test shall be at least 2 hours.

9-5.2.3 Procedure

Each section of pipe shall be slowly filled with water and the specified test pressure, measured at the lowest point of the elevation, shall be applied by means of a pump connected to the pipe in a satisfactory manner. The pump, pipe connection, gauges meter, and all necessary apparatus shall be furnished by the contractor. The test shall be applied to each valved section in order to check the leakage through all valves.

9-5.2.4 Expelling Air Before Test

Before applying the specified test pressure, all air shall be expelled from the pipe. To accomplish this, taps shall be made, if necessary, at points of highest elevation and afterwards tightly plugged.

9-5.2.5 Definition of Leakage

Leakage is defined as the quantity of water to be supplied into the newly laid pipe, or any valved section of it, necessary to maintain the specified leakage test pressure after the pipe has been filled with water and the air expelled.

9-5.2.6 Permissible Leakage

Suitable means shall be provided by the contractor for determining the quantity of water lost by leakage under normal operating pressure. No pipe installation will be accepted until or unless this leakage (evaluated at 150 psi) is less than the figure stated below:

	gal/s/1000'/24 hrs.	Gal/s/1000'/1 hr.
2"	3.8 gal.	0.16 gal.
3"	5.7 gal.	0.24 gal.
4"	7.6 gal.	0.32 gal.
6"	11.4 gal.	0.47 gal.
8"	15.2 gal.	0.63 gal.
10"	18.9 gal.	0.79 gal.
12"	22.7 gal.	0.95 gal.

9-5.2.7 Variation from Permissible Leakage

Should any test of combined sections of pipe fail disclose leakage greater than the specified limit, the contractor shall, at his expense, locate and repair the defective joints until the leakage is within the specified allowance.

9-5.2.8 Water for Testing

Water for testing shall be provided by the contractor at his expense.

9-5.2.9 Time for Making Test

Pipe may be subjected to hydrostatic pressure, inspected, and tested for leakage at any convenient time after partial completion of backfill. The contractor may test the system with joints exposed or with backfilling complete at his option. The Engineer and the Utility Company shall be notified at least 24 hours before scheduling testing with a Utility Company representative present.

9-5.3 Operating Tests

Open and close all valves and hydrants under system water pressure. Check dry barrel hydrants for proper drainage.

9-6 Disinfection

Flush and disinfect the new potable water system in accordance with AWWA C 601 to the satisfaction of the Engineer and the Utility Company. In the process of chlorinating water, all valves or other appurtenances shall be operated while the pipe line is filled with the chlorinating agent.

9-7 final flushing and testing

Following disinfection, all treated water shall be thoroughly flushed from the newly laid pipe system at its extremities until the replacement water throughout its length shall upon test, both chemically and bacteriologically, be approved by the Florida Department of Environmental Protection. The contractor shall be responsible for arranging and paying for the test samples.

9-8 As-built Certification

In accordance with the rules of Florida Department of Environmental Protection, Chapter 610-555, the Engineer of Record will be responsible for observation of the potable water system to assure compliance with plans and specifications, and said Engineer will report to DEP upon completion of the construction and cleaning and disinfecting described above before the system can be placed into service. The contractor shall notify the engineer a minimum of 24 hours before beginning construction on the potable water system.

9-9 As-built Drawings

The contractor shall furnish the Engineer at the close of the project, with one (1) set of marked-up construction plans depicting as-built conditions of the potable water system. The as-built plans shall show the location of water services, water valves, and fire hydrants. Engineering approval of the potable water system will not be made until accurate and legible as-built plans are received.

END OF SECTION

SECTION 10
RECLAIMED WATER DISTRIBUTION SYSTEM (A.K.A. REUSE WATER)

10-1 Description

The work specified in this section consists of the construction of reclaimed water services and other appurtenances, in conformity with the plans and in accordance with these specifications, or the general utility specifications of Destin Water Users, Inc. (Utility Company), whichever is more stringent.

10-2 Codes and Standards

The contractor shall comply with the requirements of Chapter 610-604 and 610-610 of the Florida Department of Environmental Protection rules, the applicable portions of the National Standard Plumbing Code and Ten State Standards pertaining to the installation of reclaimed water systems, and the Utility Accommodation Manual of the Florida Department of Transportation, latest edition. The contractor shall obtain required permits and inspections from the Utility Company.

10-3 Materials

10-3.1 Detector Wire

No. 12 copper tracer wire shall be required for all non-metallic services and shall be protected during backfilling operations to prevent breakage.

10-3.2 Gate Valves - See Section 9

10-3.3 Piping and Pipe Fittings - See Section 9

10-3.3.1 Reclaimed Water Mains - See Section 9

10-3.3.2 Reclaimed Water Service Piping

Water service piping shall be polyethylene (PE) tubing conforming to ASTM D 1248, Class 160, with brass or bronze barbed fittings with 2 strap-type stainless steel clamps over pipe at each insert. All reclaimed water infrastructure (mains, services, etc.) shall be color coded using pantone purple 522C using light stable colorants.

10-3.3.3 Reclaimed Water Service Clamps and Stops

10-3.3.3.1 Service Clamps

Service clamps shall be Clow-Vega model F-6350 as manufactured by Clow, Wichita Falls, Texas, or Dresser style 194 as manufactured by Dresser Manufacturing Co., Bradford, PA, or approved equal.

10-3.3.3.2 Corporation Stops

Corporation stops shall be Ford Model No. F-1000, or approved equal. Inlets shall have compression connections and outlets shall have iron pipe threads.

10-3.3.3.3 Curb Stops

Curb stops shall be as manufactured by Ford, or approved equal. Inlets shall have compression connections and outlets shall have iron pipe threads.

10-3.3.4 Valve Boxes - See Section 9

10-3.4 Anchorages - See Section 9

10-5 Installation - See Section 9

10-6 Field Testing - See Section 9

10-7 As-built Certification

In accordance with the rules of Florida Department of Environmental Protection, Chapter 610-604, the Engineer of Record will be responsible for observation of the construction of the reclaimed water system to assure compliance with plans and specifications, and said Engineer will report to DEP upon completion of the construction before the system can be placed into service. The contractor shall notify the engineer a minimum of 24 hours before beginning construction on the reclaimed water system.

10-8 As-built Drawings

The contractor shall furnish the Engineer at the close of the project, with one (1) set of marked-up construction plans depicting as-built conditions of the reclaimed water system. The as-built plans shall show the location of water services, bends and valves. Engineering approval of the reclaimed water system will not be made until accurate and legible as-built plans are received.

END OF SECTION

SECTION 11
SANITARY SEWAGE SYSTEM

11-1 Description

The work specified in this section consists of the construction of a gravity sanitary sewer collection system, including sanitary sewer collection lines, service lines, sanitary sewer manholes, and other appurtenances, in conformity with the plans and in accordance with these specifications, or the specifications and requirements of the Destin Water Users, Inc. (Utility Company), whichever is more stringent.

11-2 Codes and Standards

The contractor shall comply with the requirements of Chapter 610-604 of the Florida Department of Environmental Protection rules and the applicable portions of the National Standard Plumbing Code and Ten State Standards, pertaining to the installation of gravity sanitary sewer collection systems. The contractor shall obtain required permits from DEP and inspections required by the Utility Company.

11-3 Materials

11-3.1 Gravity Sewer Collection Lines and Fittings

Gravity sewer collection line piping and fittings (6" through 12") shall be polyvinyl chloride (PVC) conforming to ASTM D 3034, Type FSM, SDR 35. Joining shall be accomplished by means of elastomeric gasket joints conforming to ASTM D 3212. Gasket material shall be suitable for use with domestic sewage and shall conform to ASTM F 477.

11-3.2 Sewer Service Lines

Sewer service line piping and fittings (4" and smaller) shall be polyvinyl chloride (PVC) conforming to ASTM D 2466. Extend sewer service lines to right-of-way line and bend up at a 45° angle. Extend 18" above ground and cap.

11-3.3 Manholes

Sanitary sewer manholes shall be constructed of precast reinforced concrete, sized as indicated, and complying with ASTM C 478. Manhole tops shall be eccentric cone type and manhole bases shall be base riser sections with integral floors. No steps shall be provided in any sanitary sewer manholes of any depth.

Sanitary sewer manhole frames and covers shall be of heavy-duty cast iron construction, sized as indicated. The manhole cover shall be of indented top design with lettering cast into the top reading "SEWER". Manhole frames and covers shall be Vulcan Foundry No. VM-37, Neenah Foundry No. R-1600, or approved equal. Manhole frames and covers are to be coated with coal-tar epoxy.

11-3.4 Cleanouts

Sanitary sewer cleanouts shall be constructed of PVC pipe extended to the ground surface with PVC plugs.

11-4 Installation

11-4.1 Gravity Collection and Service Lines

Each section of pipe shall be carefully inspected before and after it is installed and defective pipe shall be rejected and removed. Sewer lines shall be laid beginning at the low point of the system, true to the grade and alignment indicated, with unbroken continuity of invert. Clear interior of piping of dirt and other superfluous material as work progresses. Open ends of pipe at the end of each day's work shall be closed temporarily with wood blocks or bulkheads. In addition to the above, PVC gravity sewer lines shall be installed in accordance with UNI-B-5.

Sewers shall be laid at least 10' horizontally from any existing or proposed water main. The distance shall be measured edge to edge. In cases where it is not practical to maintain a ten foot separation, and when approved by DEP, DWU, and the Engineer, the sewer may be installed closer to the water main, provided that the water main is in a separate trench or on an undisturbed earth shelf located on one side of the sewer at an elevation so that the bottom of the water main is at least 18" above the top of the sewer.

Sewers crossing under water mains shall be laid to provide a minimum vertical distance of 18" between the invert of the upper pipe and the crown of the lower pipe. Where this minimum separation cannot be maintained, the crossing shall be arranged so that the sewer pipe joints and water main joints are equidistant from the point of crossing with no less than 10' between any two joints. Alternatively, the sewer main may be placed in a sleeve or encased in concrete to obtain the equivalent of the required 11' separation.

Excavation of pipe trenches shall conform to Section 2 of these specifications.

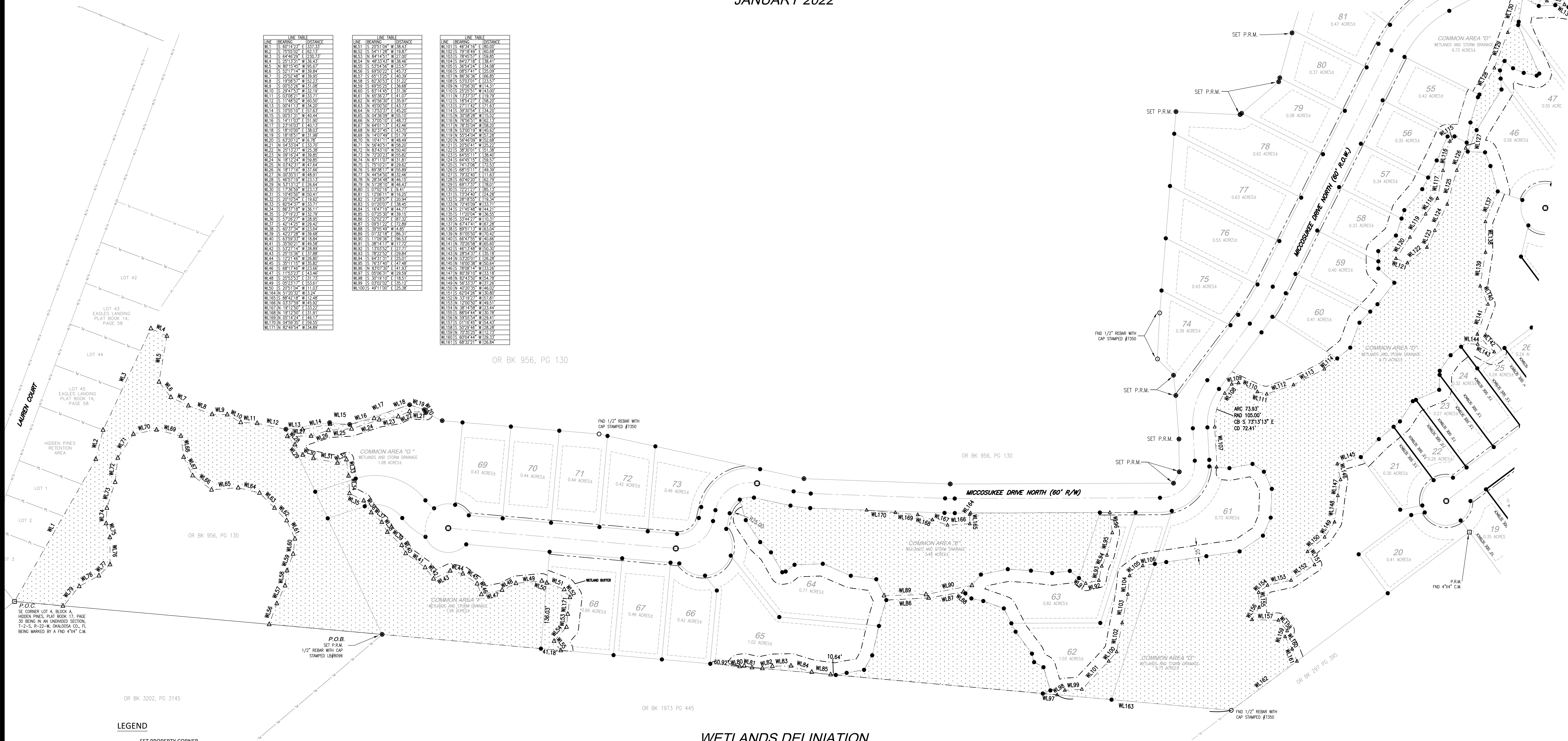
11-4.2 Sewer Manholes

Sanitary sewer manholes shall be installed in accordance with ASTM C 891. Where manholes occur in pavements, set top of frames and covers flush with the finished surface. Elsewhere, set tops 2" above finished surface, unless otherwise indicated. Grout inverts of manholes to provide continuity of grade and direction change through manhole. The exterior of the manhole shall be given two coats of Koppers 300M, or equal, before backfilling operation.

Sewer manholes shall be coated with a self-priming heavy duty cold applied coal tar material similar and equal to Koppers "bitumatic super service black". Provide a minimum of two (2) coats at a rate of 50 to 60 square feet per gallon per coat.

11

INDIAN BAYOU WEST
IN UNSECTIONALIZED, TOWNSHIP 2 SOUTH, RANGE 22 WEST
CITY OF DESTIN, OKALOOSA COUNTY, FLORIDA
JANUARY 2022



LEGEND

- SET PROPERTY CORNER
- 1/2" REBAR WITH CAP STAMPED LB#8096
- FOUND IRON PIN TYPE AND SIZE AS SHOWN
- P.C.P. - PERMANENT CONTROL POINT
- ⊕ P.R.M. - PERMANENT REFERENCE MARKER ALUMINUM DISK STAMPED LB#8096
- △ CALCULATED POINT NOT SET
- C.M. CONCRETE MONUMENT (SIZE AS SHOWN)
- FEET / MINUTES
- INCHES / SECONDS
- NOT TO SCALE
- WETLANDS
- AS MEASURED THIS SURVEY
- RECORD INFORMATION, DEED OR OTHER
- RIGHT OF WAY LINE
- 5' LANDSCAPE BUFFER
- CENTERLINE
- WETLANDS BUFFER WIDTH AS NOTED
- MINIMUM BUILDING LINE
- APPROXIMATE ADJOINING PROPERTY LINES
- PROPERTY LINE (THIS SURVEY)

LEGEND OF ABBREVIATIONS

- C.M. — CONCRETE MONUMENT
- R/W — RIGHT OF WAY
- N/F — NOW OR FORMERLY
- PL — PROPERTY LINE
- OR BK — OFFICIAL RECORD BOOK
- PG — PAGE
- P.O.C. — POINT OF COMMENCEMENT
- P.O.B. — POINT OF BEGINNING
- CP — CONTROL POINT
- N — NORTH
- S — SOUTH
- E — EAST
- W — WEST
- RAD — RAD
- ARC — ARC LENGTH
- TAN — TANGENT
- CB — CHORD BEARING
- CD — CHORD DISTANCE
- P.R.M. — PERMANENT REFERENCE MONUMENTS
- P.C.P. — PERMANENT CONTROL POINTS
- FND — FOUND
- PI# — PARCEL IDENTIFICATION NUMBER
- N.T.S. — NOT TO SCALE
- BLDG — BUILDING
- NOT — NOT RADIAL
- NR — RADIAL

WETLANDS DELINIATION

NOTES:

- 1.) BEARINGS SHOWN HEREON ARE BASED ON FLORIDA STATE PLANE COORDINATES (NORTH ZONE) AS DERIVED FROM A GEODETIC SOLUTION USING RTK GPS AND OPUS SOLUTIONS. BASIS OF REFERENCE MADE TO THE EAST LINE OF THE CITY OF DESTIN PROPERTY AS RECORDED IN OR BK 1973 PG 44 SHOWN HEREON ARE GRID DISTANCES.
- 2.) THERE MAY BE ADDITIONAL RESTRICTIONS NOT SHOWN ON THIS SURVEY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THE COUNTY WHERE THE PROPERTY IS LOCATED.
- 3.) ALL LINES COMING OFF OF CURVES ARE NOT RADIAL.

PURSUANT TO CHAPTER 177.001(27):

THIS PLAT, AS RECORDED IN ITS GRAPHIC FORM, IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY ANY OTHER GRAPHIC OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

PURSUANT TO CHAPTER 177.001(28):

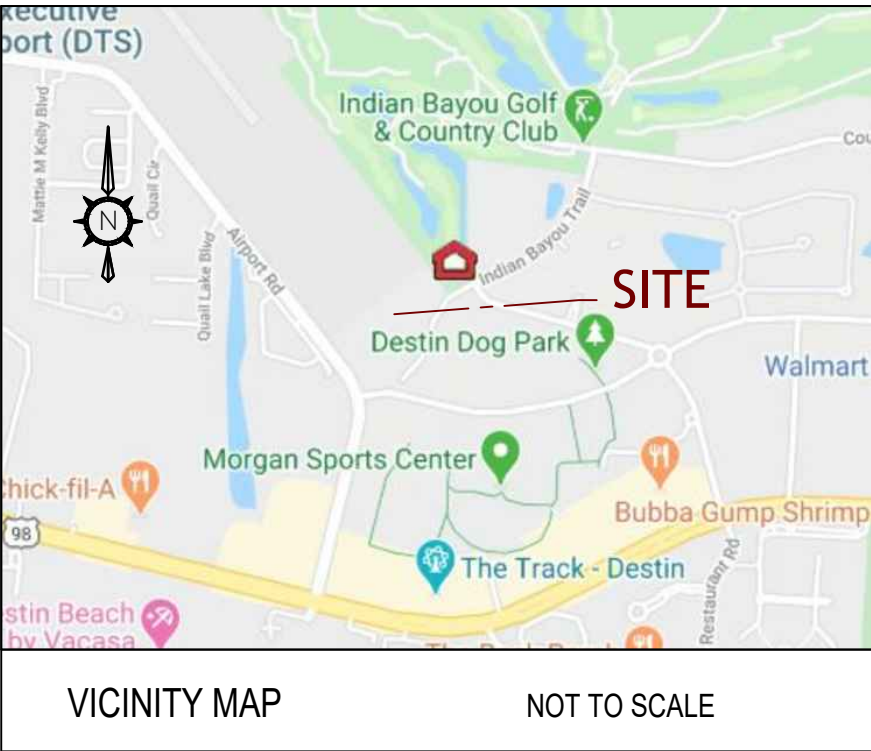
ALL PLATTED UTILITY EASEMENTS SHALL PROVIDE THAT SUCH EASEMENTS SHALL ALSO BE EASEMENTS FOR THE CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES, PROVIDED, HOWEVER, NO SUCH CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES SHALL INTERFERE WITH FACILITIES AND SERVICES OF AN ELECTRIC, TELEPHONE, GAS, OR OTHER PUBLIC UTILITY. IN THE EVENT CABLE TELEVISION COMPANY DAMAGES THE FACILITIES OF A PUBLIC UTILITY, IT SHALL BE SOLELY RESPONSIBLE FOR THE DAMAGES. THIS SECTION SHALL NOT APPLY TO THOSE EASEMENTS GRANTED TO OR OBTAINED BY A PARTICULAR ELECTRIC TELEPHONE, GAS, OR OTHER PUBLIC UTILITY, SUCH CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION SHALL COMPLY WITH THE NATIONAL ELECTRIC SAFETY CODE AS ADOPTED BY THE FLORIDA PUBLIC SERVICE COMMISSION.

PLS GROUP, INC.
PROFESSIONAL LAND SURVEYORS
SERVISING, AERIAL MAPPING AND SOLUTIONS
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210 EAST GRUBBS AVE. ST. 6
ENTERPRISE, AL 36331
OFFICE: 334-247-5184
FAX: 334-460-9851



Dedication:

KNOW ALL MEN BY THESE PRESENTS THAT INDIAN BAYOU PROPERTIES, A GENERAL PARTNERSHIP UNDER THE LAWS OF THE STATE OF FLORIDA, AS OWNER OF THE LANDS HEREON PLATTED AS "INDIAN BAYOU WEST", DO DECLARE THAT EASEMENTS, ROADWAYS, OR COMMON AREAS ARE DEDICATED TO THE INDIAN BAYOU WEST OWNERS' ASSOCIATION, INC. WITH EXCEPTION TO OLD CREEK TRAIL WILL BE DEDICATED THE PUBLIC BY MEANS OF THIS PLAT, AND DO HEREBY REQUEST THAT THIS PLAT BE RECORDED IN THE PUBLIC RECORDS OF OKALOOSA COUNTY, FLORIDA.

ROBERT E. LEE, MANAGING PARTNER
INDIAN BAYOU PROPERTIES, A GENERAL PARTNERSHIP UNDER THE LAWS OF THE STATE OF FLORIDA

WITNESS

WITNESS

Acknowledgment to Dedication:

STATE OF FLORIDA, COUNTY OF OKALOOSA

THIS IS TO CERTIFY THAT BEFORE ME, AN OFFICER DULY AUTHORIZED AND ACTING, PERSONALLY APPEARED CURTIS GWIN, WHO IS PERSONALLY KNOWN TO ME TO BE THE INDIVIDUAL DESCRIBED IN AND WHO EXECUTED THE FOREGOING INSTRUMENT OF DEDICATION OR WHO HAS PRODUCED AS IDENTIFICATION, AS MANAGER OF INDIAN BAYOU PROPERTIES, A GENERAL PARTNERSHIP UNDER THE LAWS OF THE STATE OF FLORIDA, AND HAS ACKNOWLEDGED TO AND BEFORE ME THAT SAID INSTRUMENT IS THE FREE ACT AND DEED OF INDIAN BAYOU PROPERTIES.

WITNESS MY HAND AND OFFICIAL SEAL, THIS _____ DAY OF _____, 2021.

NOTARY PUBLIC
MY COMMISSION EXPIRES _____

Joinder and Consent to Dedication:

_____ THE HOLDER OF A MORTGAGE ON THE HEREON DESCRIBED PROPERTY, DOES HEREBY CONSENT TO AND JOIN IN THE DEDICATION AND PLATTING AS SET FORTH HEREON.

NAME: _____ ITS: _____
BANK

Acknowledgment to Joinder and Consent:

STATE OF FLORIDA, COUNTY OF OKALOOSA

THIS IS TO CERTIFY THAT BEFORE ME, AN OFFICER DULY AUTHORIZED AND ACTING, PERSONALLY APPEARED _____, WHO IS PERSONALLY KNOWN TO ME TO BE THE INDIVIDUAL DESCRIBED IN AND WHO EXECUTED THE FOREGOING INSTRUMENT OF DEDICATION OR WHO HAS PRODUCED AS IDENTIFICATION, AS IDENTIFICATION, _____ BANK, AND WHO

ACKNOWLEDGED TO AND BEFORE ME THAT SAID INSTRUMENT IS THE FREE ACT AND DEED OF _____ BANK.

WITNESS MY HAND AND OFFICIAL SEAL, THIS _____ DAY OF _____, 2021.

NOTARY PUBLIC
MY COMMISSION EXPIRES _____

Title Opinion:

IT IS THE OPINION OF THE UNDERSIGNED ATTORNEY AT LAW, THAT TITLE TO THE LANDS DESCRIBED HEREON IS IN THE NAMES OF THE DEDICATORS AS SHOWN HEREON, AND THERE ARE NO UNSATISFIED MORTGAGES ON THE PROPERTY OTHER THAN AS SHOWN HEREON.

NAME: ROBERT E. MCGILL, III
FIRM NAME: _____

City of Destin Approval:

THIS CERTIFIES THAT THIS PLAT WAS PRESENTED TO THE CITY OF DESTIN, FLORIDA, AND WAS APPROVED FOR THE RECORD ON THIS _____ DAY OF _____, 2021.

MAYOR

CITY CLERK

MEMBER

MEMBER

Community Development Department Approval:

PRESENTED TO AND APPROVED BY THE COMMUNITY DEVELOPMENT DIRECTOR OF THE CITY OF DESTIN, FLORIDA THIS _____ DAY OF _____, 2021.

LOUIS ZUNGUZE
COMMUNITY DEVELOPMENT DIRECTOR

Public Services Department Approval:

PRESENTED TO AND APPROVED BY THE PUBLIC SERVICES DIRECTOR OF THE CITY OF DESTIN, FLORIDA THIS _____ DAY OF _____, 2021.

MICHAEL G. BURGESS MS, PH, CSM, CFM
DIRECTOR OF PUBLIC SERVICES

City Surveyor's Certificate:

THIS IS TO CERTIFY THAT THIS PLAT WAS REVIEWED BY THE CITY SURVEYOR OF DESTIN, FLORIDA, AND MEETS THE REQUIREMENTS OF CHAPTER 177.011-177.151 OF THE FLORIDA STATUTES AND WAS APPROVED BY HIM ON THE _____ DAY OF _____, 2021.

ERIC B. STUART PROFESSIONAL SURVEYOR & MAPPER NO. 6707
CITY OF DESTIN SURVEYOR

Tax Collectors Statement

I, BEN ANDERSON, DO HEREBY CERTIFY THAT TAXES HAVE BEEN PAID FOR THE TAX YEAR _____ FOR THE PROPERTY DESCRIBED HEREON TO THE BEST OF MY KNOWLEDGE AS OF THE _____ DAY OF _____, 2021.

BEN ANDERSON, TAX COLLECTOR
OKALOOSA COUNTY, FLORIDA

County Clerk Certificate of Recording:

J.D. PEACOCK II, CLERK OF THE CIRCUIT COURT, DO HEREBY CERTIFY THAT THIS PLAT WAS FILED FOR RECORD ON THE _____ DAY OF _____, 2021 IN PLAT BOOK _____, PAGE _____

J.D. PEACOCK II
CLERK OF CIRCUIT COURT, OKALOOSA COUNTY, FLORIDA

Surveyor's Certificate:

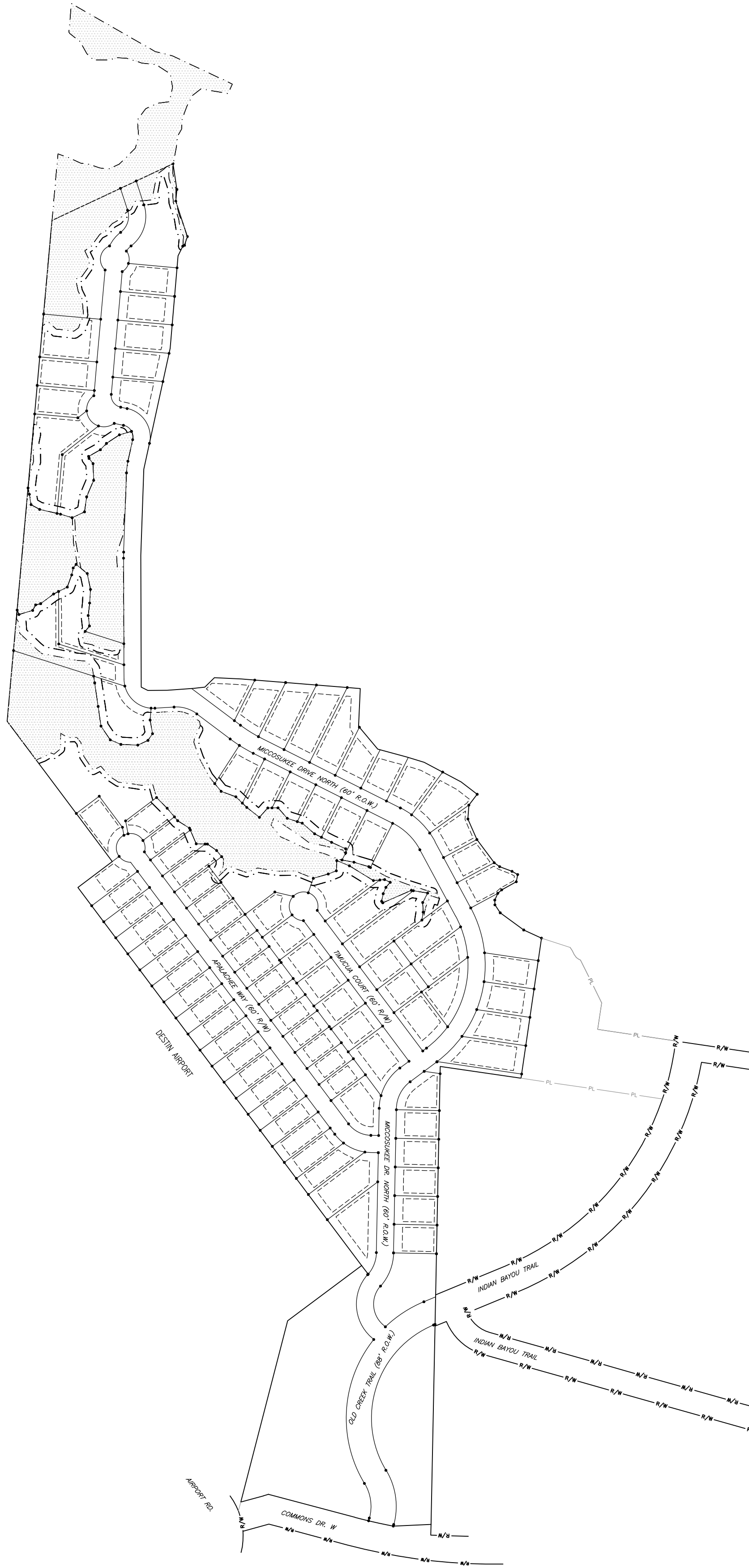
STATE OF FLORIDA, COUNTY OF OKALOOSA

I, CORY E. RUSHING, DO HEREBY CERTIFY THAT A SURVEY OF THE LANDS WITHIN THE BOUNDARY OF THIS PLAT HAS BEEN MADE UNDER MY RESPONSIBLE DIRECTION AND SUPERVISION AND THAT THIS PLAT IS A TRUE AND CORRECT REPRESENTATION OF THE LAND SURVEYED AND THAT THE SURVEY COMPLIES WITH ALL THE REQUIREMENTS OF CHAPTER 177, FLORIDA STATUTES; THAT P.R.M.'S HAVE BEEN SET AS SHOWN AND THAT P.C.P.'S WILL BE SET AS SHOWN AT SUCH TIME WHEN IMPROVEMENTS ARE COMPLETE OR WITHIN ONE YEAR OF THE RECORDING OF THIS PLAT.

CORY E. RUSHING, P.S.M. No. 6532
PLSGROUP, INC.
4417 COUNTY ROAD 2214, TROY, AL 36079
PHONE: (334) 403-42041 FAX: (334) 460-9851

INDIAN BAYOU WEST

IN UNSECTIONALIZED, TOWNSHIP 2 SOUTH, RANGE 22 WEST
CITY OF DESTIN, OKALOOSA COUNTY, FLORIDA
JANUARY 2022



PURSUANT TO CHAPTER 177.091(27):
THIS PLAT, AS RECORDED IN ITS GRAPHIC FORM, IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY ANY OTHER GRAPHIC OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

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LEGAL DESCRIPTION

COMMENCE AT THE SOUTHEAST CORNER LOT 4, BLOCK A, HIDDEN PINES, AS RECORDED IN PLAT BOOK 17, PAGE 30, BEING IN AN UNDIVIDED SECTION, TOWNSHIP 2 SOUTH, RANGE 22 WEST, OKALOOSA COUNTY, FLORIDA BEING MARKED BY A 4"x4" CONCRETE MONUMENT; THENCE S 05°07'09" W A DISTANCE OF 760.14 FEET TO 1/2" REBAR WITH CAP STAMPED LB#8096 AND ALSO BEING THE POINT OF BEGINNING.

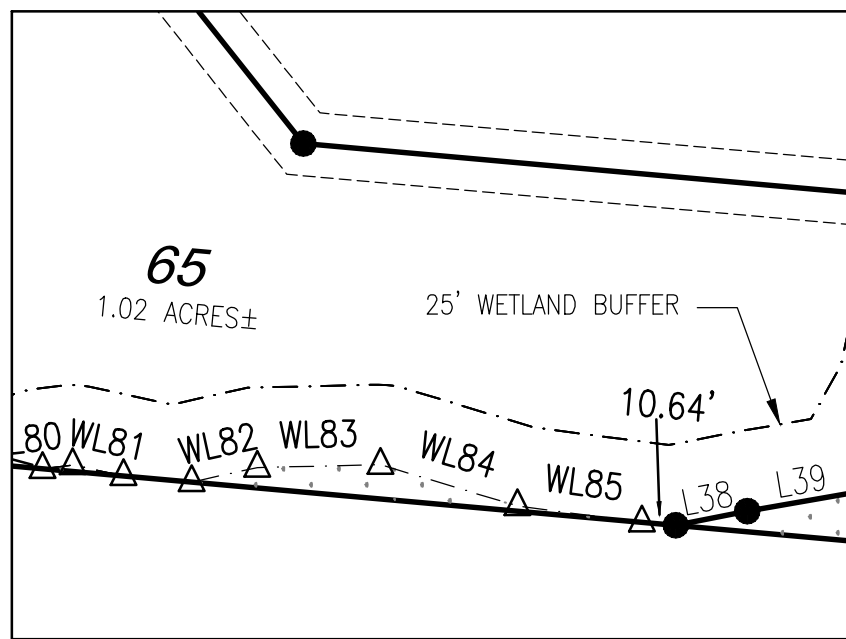
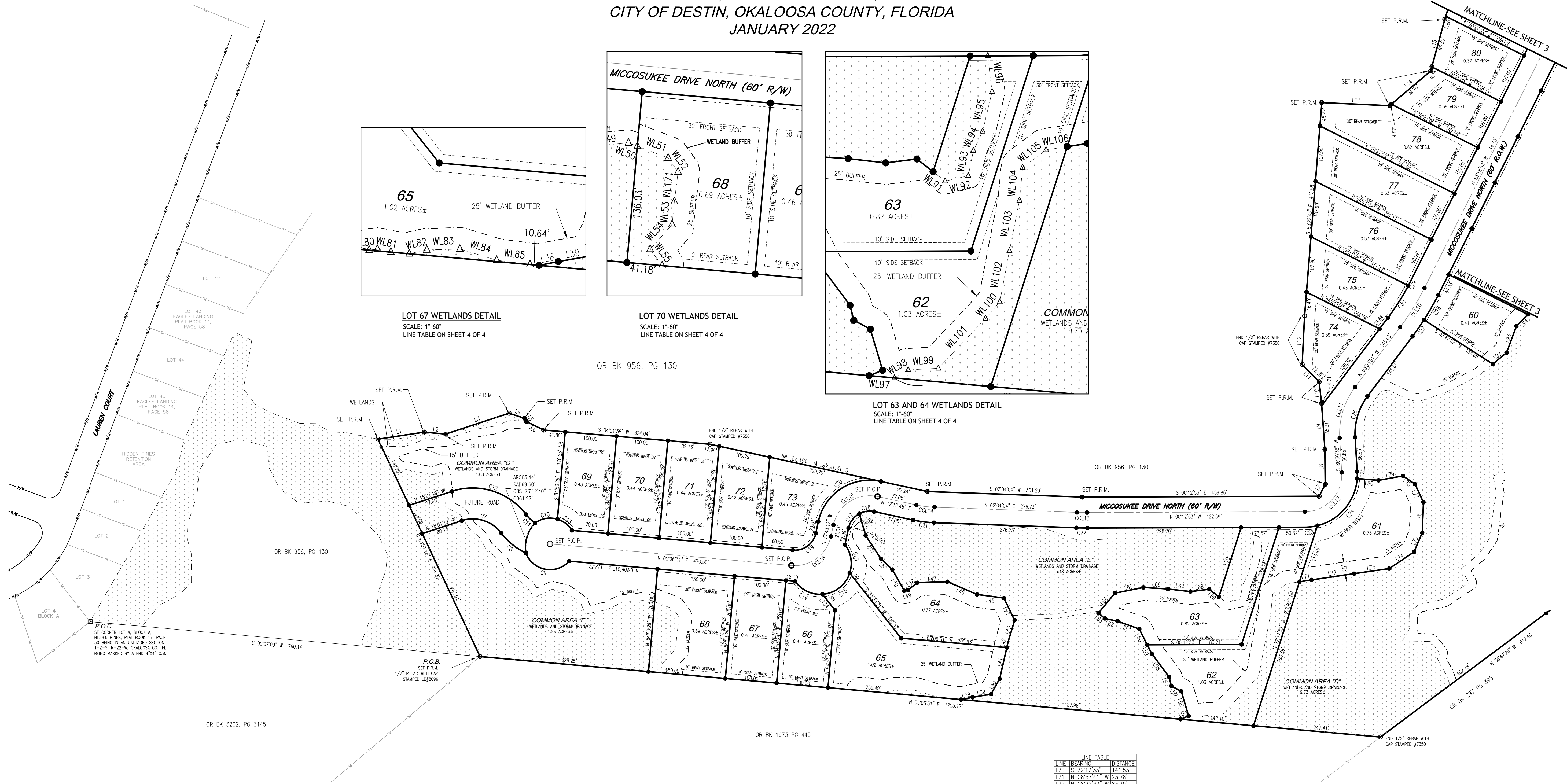
FROM SAID POINT OF BEGINNING; THENCE N 64°51'18" E A DISTANCE OF 466.37 FEET TO A 1/2" REBAR WITH CAP STAMPED #8096; THENCE S 08°40'03" E A DISTANCE OF 90.98 FEET TO A 1/2" REBAR WITH CAP STAMPED #8096; THENCE S 05°16'32" W A DISTANCE OF 41.45 FEET TO A 1/2" REBAR WITH CAP STAMPED #8096; THENCE S 18°08'03" E A DISTANCE OF 129.78 FEET TO A 1/2" REBAR WITH CAP STAMPED #8096; THENCE S 18°18'51" W A DISTANCE OF 31.98 FEET TO A 1/2" REBAR WITH CAP STAMPED #8096; THENCE S 53°00'12" W A DISTANCE OF 6.78 FEET TO A 1/2" REBAR WITH CAP STAMPED #8096; THENCE S 26°05'29" W A DISTANCE OF 37.71 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 04°51'58" W A DISTANCE OF 324.04 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 12°16'48" W A DISTANCE OF 431.72 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 02°04'04" W A DISTANCE OF 301.29 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 00°12'53" E A DISTANCE OF 459.86 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 62°55'24" E A DISTANCE OF 25.89 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE N 89°26'20" E A DISTANCE OF 67.60 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE N 85°52'00" E A DISTANCE OF 90.03 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE N 83°38'43" E A DISTANCE OF 41.92 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE N 45°24'34" E A DISTANCE OF 47.10 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 87°07'22" E A DISTANCE OF 94.57 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 85°22'43" E A DISTANCE OF 415.58 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 02°38'36" W A DISTANCE OF 131.69 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 40°10'02" E A DISTANCE OF 104.33 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 74°40'08" E A DISTANCE OF 104.74 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 73°07'59" E A DISTANCE OF 63.52 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 62°01'17" E A DISTANCE OF 146.02 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 52°27'30" E A DISTANCE OF 70.78 FEET TO A 1/2" REBAR WITH CAP STAMPED LB#8096; THENCE S 37°32'30" W A DISTANCE OF 48.06 FEET TO A 1/2" REBAR WITH CAP STAMPED LB#8096; THENCE S 03°43'38" W A DISTANCE OF 48.27 FEET TO A 1/2" REBAR WITH CAP STAMPED LB#8096; THENCE S 23°34'04" E A DISTANCE OF 78.25 FEET TO A 1/2" REBAR WITH CAP STAMPED LB#8096; THENCE S 36°36'29" E A DISTANCE OF 101.06 FEET TO A 1/2" REBAR WITH CAP STAMPED LB#8096; THENCE S 54°32'30" E A DISTANCE OF 23.45 FEET TO A 1/2" REBAR WITH CAP STAMPED LB#8096; THENCE S 69°22'12" E A DISTANCE OF 46.15 FEET TO A 1/2" REBAR WITH CAP STAMPED LB#8096; THENCE S 60°08'28" E A DISTANCE OF 22.73 FEET TO A 1/2" REBAR WITH CAP STAMPED LB#8096; THENCE S 11°06'31" W A DISTANCE OF 25.70 FEET TO A 1/2" REBAR WITH CAP STAMPED LB#8096; THENCE S 60°57'58" W A DISTANCE OF 58.36 FEET TO A 1/2" REBAR WITH CAP STAMPED LB#8096; THENCE S 48°02'30" W A DISTANCE OF 18.09 FEET TO A 1/2" REBAR WITH CAP STAMPED LB#8096; THENCE S 24°06'10" W A DISTANCE OF 25.75 FEET TO A 1/2" REBAR WITH CAP STAMPED LB#8096; THENCE S 01°49'10" E A DISTANCE OF 16.63 FEET TO A 1/2" REBAR WITH CAP STAMPED LB#8096; THENCE S 33°36'31" E A DISTANCE OF 33.39 FEET TO A 1/2" REBAR WITH CAP STAMPED LB#8096; THENCE S 53°51'53" E A DISTANCE OF 101.66 FEET TO A 1/2" REBAR WITH CAP STAMPED LB#8096; THENCE S 65°28'54" E A DISTANCE OF 68.30 FEET TO A 1/2" REBAR WITH CAP STAMPED LB#8096; THENCE S 08°19'10" W A DISTANCE OF 494.57 FEET TO A 1/2" REBAR WITH CAP STAMPED LB#8096; THENCE N 81°40'50" W A DISTANCE OF 284.89 FEET TO A 1/2" REBAR; THENCE S 01°09'18" W A DISTANCE OF 1599.28 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 87°24'52" W A DISTANCE OF 131.16 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350 ON THE NORTH RIGHT OF WAY LINE OF COMMONS DR., W (R/W VARIES); THENCE ALONG SAID RIGHT OF WAY IN A CURVE TO THE RIGHT HAVING A RADIUS OF 1882.87 FEET, AN ARC LENGTH OF 138.42 FEET AND A CHORD BEARING AND DISTANCE OF N 77°10'55" W, 138.39 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE N 75°04'34" W A DISTANCE OF 311.74 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE IN A CURVE TO THE RIGHT HAVING A RADIUS OF 382.99 FEET, AN ARC LENGTH OF 18.54 FEET AND A CHORD BEARING AND DISTANCE OF S 73°07'17" W, 18.54 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE S 74°30'30" W A DISTANCE OF 82.09 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE LEAVING SAID RIGHT OF WAY N 14°28'59" E A DISTANCE OF 654.03 FEET TO A 4"x4" CONCRETE MONUMENT; THENCE N 53°13'07" E A DISTANCE OF 322.54 FEET TO A 4"x4" CONCRETE MONUMENT; THENCE N 36°52'03" W A DISTANCE OF 1649.80 FEET TO A 4"x4" CONCRETE MONUMENT; THENCE N 53°04'20" E A DISTANCE OF 150.01 FEET TO A 4"x4" CONCRETE MONUMENT; THENCE N 36°47'28" W A DISTANCE OF 612.40 FEET TO A 1/2" REBAR WITH CAP STAMPED #7350; THENCE N 05°06'31" E A DISTANCE OF 1755.17 FEET TO THE POINT OF BEGINNING, SAID PARCEL LYING IN AND BEING A PART OF AN UNDIVIDED SECTION, TOWNSHIP 2 SOUTH, RANGE 22 WEST, OKALOOSA COUNTY, FLORIDA AND CONTAINING 77.11 ACRES, MORE OR LESS.

OVERALL LAYOUT
NOT TO SCALE

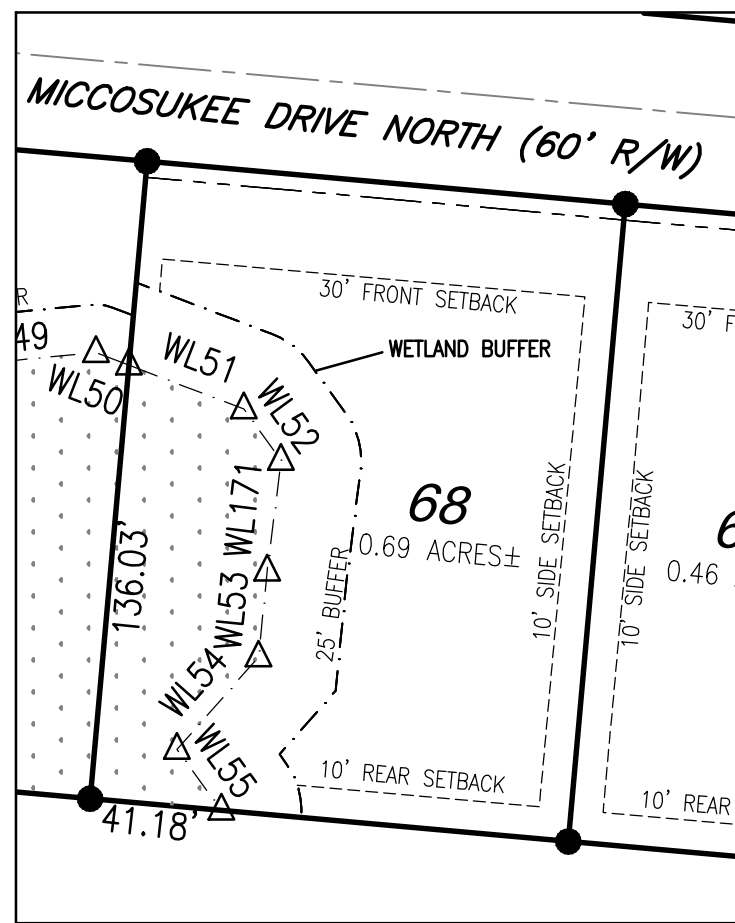
INDIAN BAYOU WEST

IN UNSECTIONALIZED, TOWNSHIP 2 SOUTH, RANGE 22 WEST
CITY OF DESTIN, OKALOOSA COUNTY, FLORIDA
JANUARY 2022

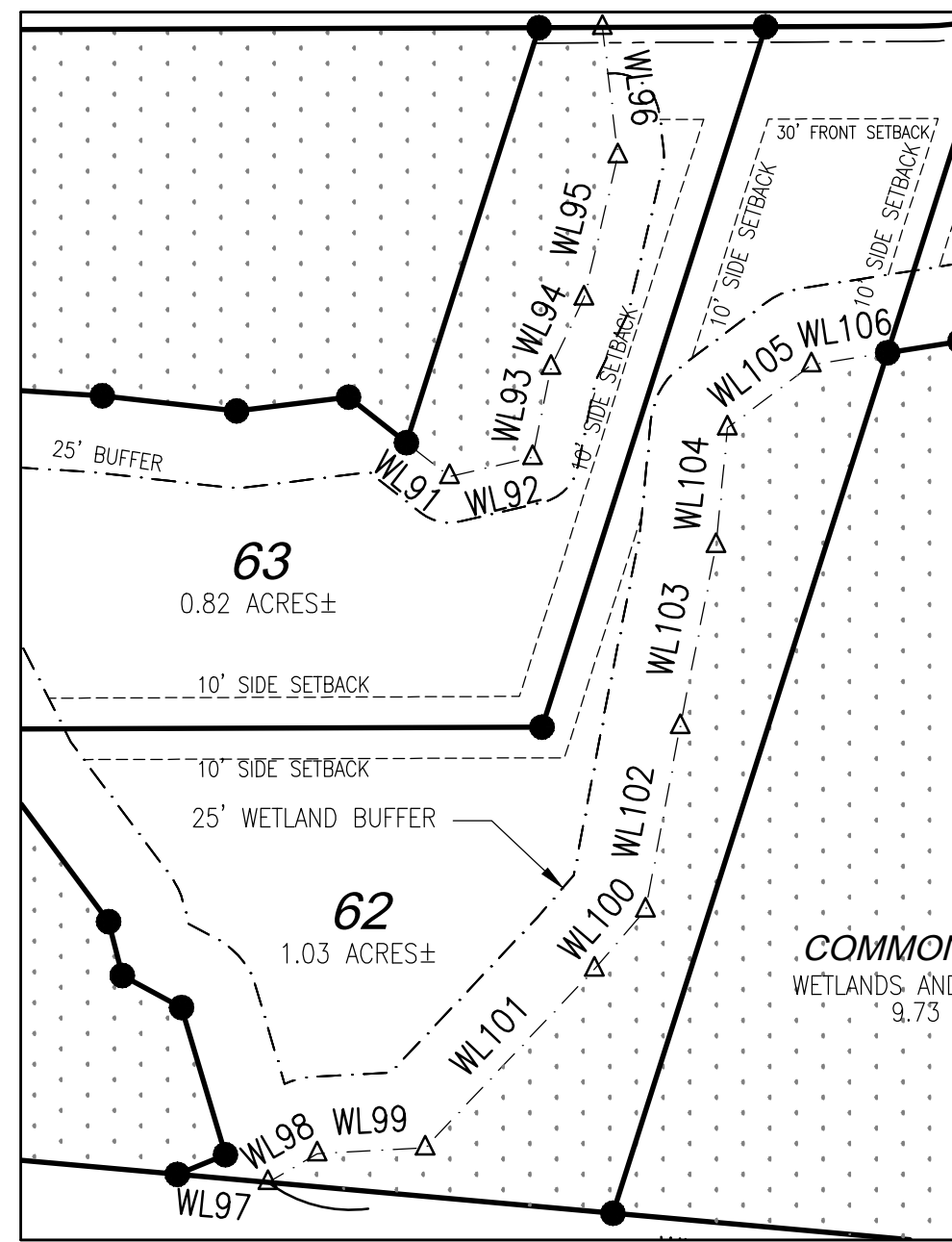
PLAT BOOK _____, PAGE _____



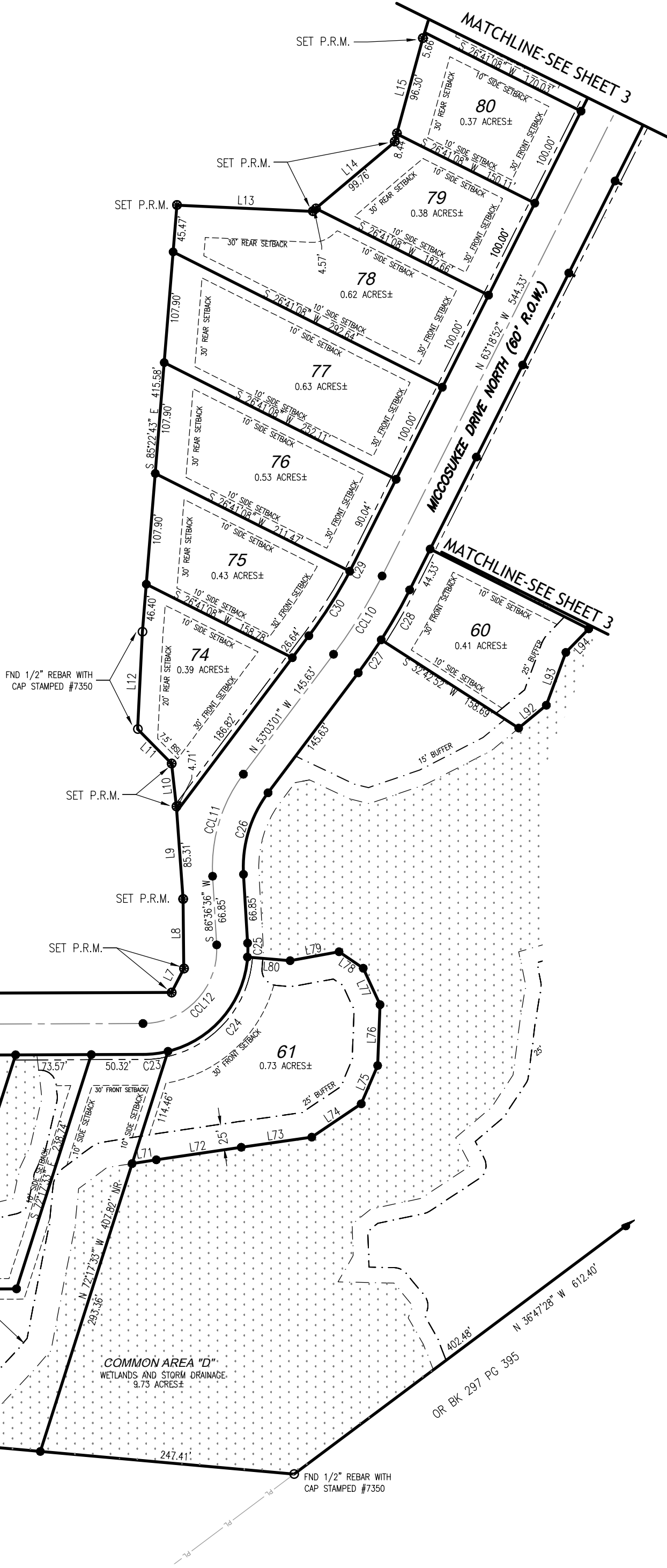
LOT 65 WETLANDS DETAIL
SCALE: 1"=40'
LINE TABLE ON SHEET 4 OF 4



LOT 70 WETLANDS DETAIL
SCALE: 1"=40'
LINE TABLE ON SHEET 4 OF 4



LOT 63 AND 64 WETLANDS DETAIL
SCALE: 1"=40'
LINE TABLE ON SHEET 4 OF 4



LEGEND

- SET PROPERTY CORNER
1/2" REBAR WITH CAP
STAMPED LB#8096
- FOUND IRON PIN
TYPE AND SIZE AS SHOWN
- P.C.P.-PERMANENT CONTROL POINT
- ⊗ P.R.M.-PERMANENT REFERENCE MARKER
ALUMINUM DISK STAMPED LB#8096
- △ CALCULATED POINT NOT SET
- C.M.
CONCRETE MONUMENT (SIZE AS SHOWN)
- FEET / MINUTES
- INCHES / SECONDS
- NOT TO SCALE
- WETLANDS
- AS MEASURED THIS SURVEY
- RECORD INFORMATION,
DEED OR OTHER
- RIGHT OF WAY LINE
- 5' LANDSCAPE BUFFER
- CENTERLINE
- WETLANDS BUFFER WIDTH AS NOTED
- MINIMUM BUILDING LINE
- APPROXIMATE ADJOINING PROPERTY LINES
- PROPERTY LINE (THIS SURVEY)

LEGEND OF ABBREVIATIONS

- C.M. — CONCRETE MONUMENT
- R/W — RIGHT OF WAY
- N/F — NOW OR FORMERLY
- PL — PROPERTY LINE
- OR BK — OFFICIAL RECORD BOOK
- PG — PAGE
- P.O.C. — POINT OF COMMENCEMENT
- P.O.B. — POINT OF BEGINNING
- CP — CONTROL POINT
- N — NORTH
- S — SOUTH
- E — EAST
- W — WEST
- RAD — RADIUS
- ARC — ARC LENGTH
- TAN — TANGENT
- CB — CHORD BEARING
- CD — CHORD DISTANCE
- P.R.M. — PERMANENT REFERENCE MONUMENTS
- P.C.P. — PERMANENT CONTROL POINTS
- FND — FOUND
- PID# — PARCEL IDENTIFICATION NUMBER
- N.T.S. — NOT TO SCALE
- BLDG — BUILDING
- NR — NOT RADIAL
- NR — RADIAL

NOTES:

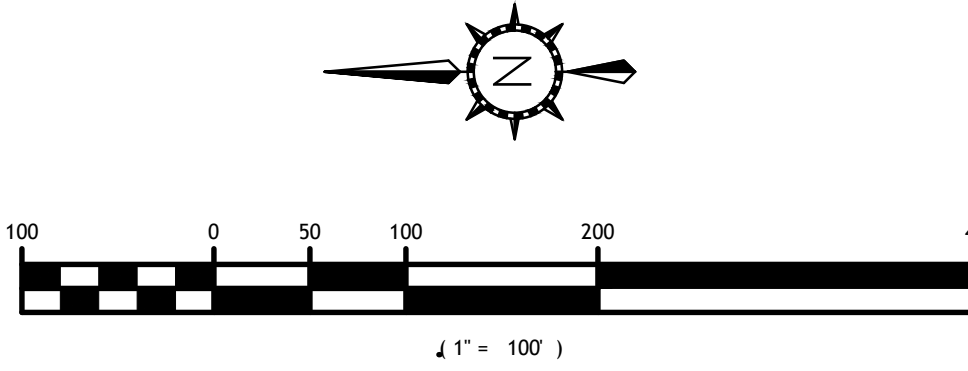
- 1.) BEARINGS SHOWN HEREON ARE BASED ON FLORIDA STATE PLANE COORDINATES (NORTH ZONE) AS DERIVED FROM A GEODETIC SOLUTION USING RTK GPS AND OPUS SOLUTIONS. BASIS OF REFERENCE MADE TO THE EAST LINE OF THE CITY OF DESTIN. PROPERTY AS RECORDED IN OR BK 1973 PG 44 SHOWN HEREON ARE GRID DISTANCES.
- 2.) THERE MAY BE ADDITIONAL RESTRICTIONS NOT SHOWN ON THIS SURVEY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THE COUNTY WHERE THE PROPERTY IS LOCATED.
- 3.) ALL LINES COMING OFF OF CURVES ARE NOT RADIAL.

PURSUANT TO CHAPTER 177.091(22), THIS PLAT, AS RECORDED IN ITS GRAPHIC FORM, IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY ANY OTHER GRAPHIC OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

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CENTERLINE CURVE TABLE					
CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
CL1	200.00	151.01	156.69	N 08°07'28" W	46.07°51'
CL2	396.00	312.93	304.85	N 08°52'53" W	45°16'38"
CL3	396.00	196.61	194.60	N 28°18'51" E	28°26'48"
CL4	396.00	172.11	170.76	N 54°59'19" E	24°54'08"
CL5	125.00	194.42	175.41	N 02°58'55" W	89°08'52"
CL6	150.00	105.83	103.65	N 21°22'02" E	40°25'29"
CL7	150.00	136.08	131.46	N 27°08'36" E	51°58'40"
CL8	391.77	556.92	511.20	N 22°04'12" E	61°28'52"
CL9	250.00	152.71	150.35	N 45°48'53" W	34°59'57"
CL10	500.00	89.57	89.45	N 58°10'57" W	10°15'51"
CL11	150.00	105.61	103.44	N 73°13'13" W	40°20'23"
CL12	122.00	117.09	104.61	N 48°48'09" W	83°10'51"
CL13	500.00	19.92	19.92	N 00°55'35" E	2°16'57"
CL14	200.00	35.65	35.60	N 07°10'26" E	10°12'44"
CL15	72.00	113.10	101.82	N 32°43'12" W	90°00'00"
CL16	72.00	104.09	86.29	N 36°18'20" W	82°40'44"
CL17	130.00	117.93	113.93	N 62°51'22" W	51°58'40"

LINE TABLE	
LINE	BEARING DISTANCE
L70	S 72°12'53" E 144.53'
L71	N 08°57'41" W 23.78'
L72	N 08°22'39" W 83.39'
L73	N 08°08'49" W 69.10'
L74	N 33°54'13" W 51.95'
L75	N 66°46'31" W 40.47'
L76	N 87°46'58" W 59.14'
L77	S 65°15'44" W 38.92'
L78	S 34°19'33" W 28.41'
L79	S 10°19'00" E 48.31'
L80	S 04°47'47" W 41.64'
L81	S 10°40'02" E 28.34'
L82	N 10°40'02" W 46.24'
L83	S 45°05'19" E 52.67'
L84	S 39°48'59" E 49.39'
L85	S 39°48'59" E 7.16'
L86	S 57°36'48" E 49.39'
L87	S 23°16'32" E 58.29'
L88	S 23°16'32" E 0.77'
L89	S 88°24'50" E 39.13'
L90	S 55°01'12" E 39.14'
L91	S 39°02'46" E 37.75'
L92	S 39°02'46" E 54.81'
L93	S 69°44'53" E 54.75'
L94	S 49°45'20" E 31.84'
L95	S 45°45'20" E 18.31'
L96	S 51°51'33" E 56.19'
L97	N 41°45'12" E 43.94'
L98	N 89°40'43" E 14.93'
L99	N 89°40'43" E 20.90'
L100	S 41°26'58" E 48.50'
L101	S 71°45'42" E 36.76'
L102	S 71°45'42" E 18.31'
L103	S 49°23'31" E 56.76'
L104	S 63°20'48" E 26.79'
L105	S 63°20'48" E 39.40'
L106	S 65°30'20" E 54.07'
L107	S 00°32'40" E 14.35'
L108	S 26°41'08" W 28.02'
L109	S 79°32'40" E 44.96'
L110	S 73°24'11" E 54.30'
L111	S 60°40'20" E 6.26'
L112	N 19°15'10" E 53.60'
L113	N 73°53'32" E 54.35'
L114	N 68°24'55" E 30.31'



PLS
PROFESSIONAL LAND SURVEYORS
SERVING REAL ESTATE AND UTILITIES

4417 COUNTY ROAD 2214
TROY, AL 36078
OFFICE: 334-463-4204
FAX: 334-460-8801

206 JOHNSON BAYOU DR.
PANAMA CITY BEACH, FL 32407
OFFICE: 850-368-1354

210 EAST GRUBBS AVE., ST. 6
ENTERPRISE, AL 36331
OFFICE: 334-941-5144
FAX: 334-460-8801

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SHEET 2 OF 4

INDIAN BAYOU WEST
IN UNSECTIONALIZED, TOWNSHIP 2 SOUTH, RANGE 22 WEST
CITY OF DESTIN, OKALOOSA COUNTY, FLORIDA
JANUARY 2022

PLAT BOOK _____, PAGE _____

NOTES:

- 1.) BEARINGS SHOWN HEREON ARE BASED ON FLORIDA STATE PLANE COORDINATES (NORTH ZONE) AS DERIVED FROM A GEODETIC SOLUTION USING RTK GPS AND OPUS SOLUTIONS. BASIS OF REFERENCE MADE TO THE EAST LINE OF THE CITY OF DESTIN PROPERTY AS RECORDED IN OR BK 1973 PG 44 SHOWN HEREON ARE GRID DISTANCES.
- 2.) THERE MAY BE ADDITIONAL RESTRICTIONS NOT SHOWN ON THIS SURVEY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THE COUNTY WHERE THE PROPERTY IS LOCATED.
- 3.) ALL LINES COMING OFF OF CURVES ARE NON RADIAL.

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OR BK 2252, PG 3230

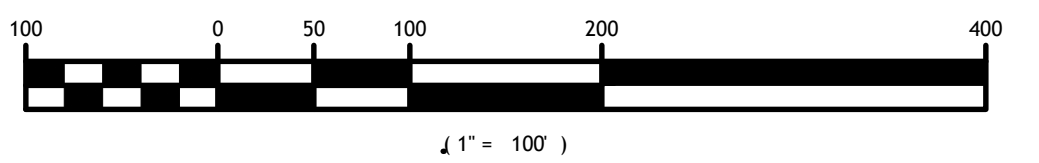
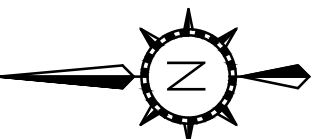


LEGEND

- SET PROPERTY CORNER
- FOUND IRON PIN
- TYPE AND SIZE AS SHOWN
- P.C.P.-PERMANENT CONTROL POINT
- P.R.M.-PERMANENT REFERENCE MARKER
- ALUMINUM DISK STAMPED LBH096
- CALCULATED POINT NOT SET
- CONCRETE MONUMENT (SIZE AS SHOWN)
- FEET / MINUTES
- INCHES / SECONDS
- NOT TO SCALE
- WETLANDS
- AS MEASURED THIS SURVEY
- RECORD INFORMATION, DEED OR OTHER
- RIGHT OF WAY LINE
- 5' LANDSCAPE BUFFER
- CENTERLINE
- WETLANDS BUFFER WIDTH AS NOTED
- MINIMUM BUILDING LINE
- APPROXIMATE ADJOINING PROPERTY LINES
- PROPERTY LINE (THIS SURVEY)

LEGEND OF ABBREVIATIONS

- C.M. - CONCRETE MONUMENT
- R/W - RIGHT OF WAY
- N/F - NOW OR FORMERLY
- PL - PROPERTY LINE
- OR BK - OFFICIAL RECORD BOOK
- PG - PAGE
- P.C. - POINT OF COMMENCEMENT
- P.O.B. - POINT OF BEGINNING
- P.C. - CONTROL POINT
- N - NORTH
- S - SOUTH
- E - EAST
- W - WEST
- RAD - RADIUS
- ARC - ARC LENGTH
- TAN - TANGENT
- CB - CHORD BEARING
- CD - CHORD DISTANCE
- P.R.M. - PERMANENT REFERENCE MONUMENTS
- P.C.P. - PERMANENT CONTROL POINTS
- FND - FOUND
- PID# - PARCEL IDENTIFICATION NUMBER
- N.T.S. - NOT TO SCALE
- BLDG - BUILDING



CITY OF DESTIN



AGENDA ITEM

COUNCIL MEETING DATE: April 4, 2022

TYPE OF AGENDA ITEM: Public Hearing

AGENDA OUTLINE NUMBER: 5.B.

TO: City Council

THRU: Lance Johnson, City Manager

FROM: Kimberly Kopp, Land Use Attorney
Webb Warren, Deputy City Manager
Joey Forgione, Code Compliance Director

DATE: March 3, 2022

SUBJECT: Second reading of Ordinance 22-05-CC - Amending the Code of Ordinances to establish a Flag Warning System at City of Destin beaches.

I. BACKGROUND: The City Council of the City of Destin has recognized that the safety, health, and welfare of the citizens of and visitors to the City of Destin would be best protected by establishment of a beach flag warning system consistent with the system currently in place for unincorporated Okaloosa County.

If the City Council adopts proposed Ordinance 22-05-CC, a flag warning system consistent with Section 16-43, Okaloosa County Code of Ordinances would be adopted to facilitate safe, efficient, and consistent public safety measures at City beaches for the benefit of residents and visitors alike.

The City Land Use Attorney, City Staff, the Destin Fire Control District, and the Okaloosa County Sheriff's Office have worked jointly on the preparation of this proposed Ordinance.

II. DISCUSSION: The proposed ordinance provides as follows:

Section 15-70. Flag warning system at City Beaches.

A flag warning system is hereby adopted by the City Council.

(1) All beaches within the City, and access points to beaches leading to the Gulf of Mexico within the City, shall display a sign informing the public of the beach flag warning system, and hours lifeguards are on duty and notification that when lifeguards are not on duty swimmers shall swim at their own risk. The sign shall not be less than 24 inches wide and 30 inches long.

(2) Beach vendors and contractors and other governmental entities are encouraged to

post the beach flag warning system sign in a prominent place at their place of business. The sign shall be in color and not less than 24 inches wide and 30 inches long.

(3) Beach lifeguards at beaches shall post the appropriate flags depicting current conditions at each designated beach from the second Saturday in March through the second weekend in October. Warning flags will be raised when lifeguards are on duty and actively guarding and will be lowered when lifeguards leave the beach daily.

Section 15-71. Enforcement of Beach Flag Warning System.

(1) The City Manager, City Manager's designee, or the Okaloosa County Sheriff shall have the authority to declare that a state of emergency exists and order the posting of double red flags prohibiting entry into the water. This shall apply to all City beaches and beach access ways.

(2) Following a declaration of a state of emergency for any portion of any water body in the City and the posting of double red flags prohibiting entry into the water, failure to comply with directions of lifeguards or law enforcement officers shall be a violation of Section 843.02, Florida Statutes, or other applicable statute. Those persons surfing as defined herein with a surfboard attached to the surfer by a leash are exempt from this article.

(3) No person, firm, corporation or other legal entity except a lifeguard or other person actually engaged in a rescue attempt shall swim or bathe in violation of an order given pursuant to this section.

(4) Sections 15-70 and 15-71 may be enforced pursuant to any method authorized in law or equity, including but not limited to enforcement pursuant to Section 1-9, City Code of Ordinances.

A. Link to Strategic Goals / Objectives:

B. Effect on Budget (EOB):

C. Level of Service (LOS):

III. CONCLUSION: Staff recommends approval of Ordinance 22-05-CC.

IV. RECOMMENDED MOTION: I move to approve Ordinance 22-05-CC on second reading and direct the City Clerk to advertise for second reading.

Attachments:

1. Beach Flags Ordinance

ORDINANCE NO. 22-05-CC

AN ORDINANCE OF THE CITY OF DESTIN, FLORIDA, PROVIDING FOR AMENDMENTS TO THE CODE OF ORDINANCES TO ESTABLISH A FLAG WARNING SYSTEM AT CITY BEACHES; PROVIDING FOR FINDINGS OF FACT; PROVIDING FOR INCORPORATION INTO THE CODE OF ORDINANCES; PROVIDING FOR CONFLICTING PROVISIONS; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.

SECTION 1. AUTHORITY.

The authority for enactment of this Ordinance is Article 1, Section 1.01 (b) of the City Charter, Section 166.021, Florida Statutes and Chapter 163, Part II, Florida Statutes.

SECTION 2. FINDINGS OF FACT.

WHEREAS, the tranquility, and orderly and safe use of City beaches is of prime importance to the city, its citizens and visitors; and

WHEREAS, the City Council of the City of Destin finds that the safety, health, and welfare of the citizens of and visitors to the City of Destin would be best protected by establishment of a beach flag warning system consistent with the system currently in place for unincorporated Okaloosa County; and

WHEREAS, the City Council hereby adopts a flag warning system consistent with Section 16-43, Okaloosa County Code of Ordinances to facilitate safe, efficient, and consistent public safety measures at City beaches for the benefit of residents and visitors alike; and

WHEREAS, the City Council has determined that this ordinance is in the best interests of the City and its citizens; and

WHEREAS, two public hearings have been conducted by the City Council after due public notice.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF DESTIN, FLORIDA, AS FOLLOWS:

NOTE: Language in all sections of this ordinance that is ~~strike-thru~~ is language proposed to be deleted, underline language is language to be added, language that is not in strike-thru or underlined is not to be changed. The symbol * represents sections of the Code of Ordinances that have been skipped and remain unchanged.**

SECTION 3. AMENDING CHAPTER 15 OF THE CODE OF ORDINANCES TO ESTABLISH ARTICLE IV, BEACH FLAG WARNING SYSTEM.

Chapter 15 of the Code of Ordinances is hereby amended as follows:

CHAPTER 15 - PARKS AND RECREATION.

ARTICLE IV. - FLAG WARNING SYSTEM.

Section 15-70. Flag warning system at City Beaches.

A flag warning system is hereby adopted by the City Council.

(1) All beaches within the City, and access points to beaches leading to the Gulf of Mexico within the City, shall display a sign informing the public of the beach flag warning system, and hours lifeguards are on duty and notification that when lifeguards are not on duty swimmers shall swim at their own risk. The sign shall not be less than 24 inches wide and 30 inches long.

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(3) No person, firm, corporation or other legal entity except a lifeguard or other person actually engaged in a rescue attempt shall swim or bathe in violation of an order given pursuant to this section.

(4) Sections 15-70 and 15-71 may be enforced pursuant to any method authorized in law or equity, including but not limited to enforcement pursuant to Section 1-9, City Code of Ordinances.

SECTION 4. INCORPORATION INTO CITY CODE OF ORDINANCES. This ordinance shall be incorporated into the City of Destin's Code of Ordinances and any section or paragraph number or letter and any heading may be changed or modified as necessary to effectuate the foregoing.

SECTION 5. CONFLICTING PROVISIONS. Special Acts of the Florida Legislature applicable to the incorporated area of the City of Destin, City Ordinances and City Resolutions, or parts, thereof, in conflict with the provisions of this ordinance are hereby superseded by this ordinance to the extent of such conflict.

SECTION 6. SEVERABILITY. If any section, phase, sentence, or portion of this Ordinance is, for any reason, held invalid or unconstitutional by any court of competent jurisdiction, such portion shall be deemed a separate, distinct, and independent provision, and such holding shall not affect the validity of the remaining portions thereof.

SECTION 7. EFFECTIVE DATE. This ordinance shall become effective upon its adoption by the City Council and signature by the Mayor.

ADOPTED this ____ day of _____, 2022.

Gary Jarvis, Mayor

ATTEST:

Rey Bailey, City Clerk

The form and legal sufficiency of the foregoing
has been reviewed and approved by the City Land
Use Attorney, for the City of Destin, only.

Kimberly Romano Kopp, City Land Use Attorney