



**AGENDA
TOWN CENTER COMMUNITY REDEVELOPMENT AGENCY
ADVISORY COMMITTEE
WEDNESDAY, OCTOBER 21, 2020
5:30 PM
DESTIN CITY HALL BOARDROOM**

- 1. CALL TO ORDER**
- 2. ROLL CALL/PLEDGE OF ALLEGIANCE**
- 3. APPROVAL OF MINUTES**
 - A) June 17, 2020 Minutes**
- 4. OLD BUSINESS**
 - A) Gulf Power Easement/Linear Park**
 - B) FDOT Median Landscape Plan**
 - C) 2020 Work Plans**
- 5. NEW BUSINESS**
- 6. COMMITTEE MEMBER COMMENTS/QUESTIONS**
 - A) Lockwood Wernet**
 - B) Michele Sandstead**
 - C) Delores Morrell**
 - D) Justin Woodard**
 - E) Matthew Sweetser**
- 7. PUBLIC COMMENTS**
- 8. DIRECTOR'S REPORT**
 - A) City Email Addresses**
 - B) Committee Reappointments**
 - C) Projects in Town Center CRA**
- 9. ADJOURNMENT**
 - A) Next Tentative Meeting- November 18, 2020**

Any person requiring a special accommodation at this hearing because of a disability or physical impairment should contact the City Clerk at (850) 837-4242 at least 48 hours prior to the hearing. If a person decides to appeal any decision made with respect to any matter considered at such meeting, such person will need a record of the proceeding and for such purpose may need to ensure that a verbatim record of the proceeding is made, which record includes the testimony and evidence upon which the appeal is to be based. (Sec. 286.0105, Florida Statutes)

DRAFT

MINUTES TOWN CENTER COMMUNITY REDEVELOPMENT AGENCY ADVISORY COMMITTEE MEETING JUNE 17, 2020 - 5:30 PM DESTIN CITY HALL BOARDROOM

1. CALL TO ORDER:

Chairman Wernet called the meeting to order at 5:30 PM on Wednesday, June 17, 2020 at the Destin City Hall Boardroom with the Pledge of Allegiance immediately following.

2. ROLL CALL:

Members Present

Lockwood Wernet
Michele Sandstead
Justin Woodard
Matthew Sweetser
Delores Morrell

Members Absent

Frank McDonough

Staff Present

Kim Montgomery Deputy City Clerk
Samantha Brisolara, Planner
Lauren Witt, Planner
Joe Bodi, Engineering Asst. II.
Louis Zunguze, CD Director
Kyle Bauman, City Attorney

3. APPROVAL OF MINUTES: February 19, 2020

Motion by Committee member Morrell, seconded by Committee member Sweetser to approve the February 19, 2020 meeting minutes as written passed 5-0.

4. OLD BUSINESS:

➤ **Sunshine and Public Records Refresher**

The City Attorney informed the members he will make this an annual presentation of the Sunshine and Public Records Laws starting in November after the new members are appointed. However, since it has been a while and with the Covid issues, staff felt that a refresher would be a good idea. The three categories are:

- Emails
- Text Messages
- Social Media

He explained that in an effort to protect them and keep their private email accounts, private. The city has issued all board and committee members @cityofdestin.com email addresses. This way all city related business conducted through their city issued email will be captured. Additionally, any emails that may pertain to city business sent out or received through their personal accounts should be forwarded to their city email address to be captured and searchable through the city email server. Explaining further that they are subjected to the public records law and so any communication that deals with city business is a public record and includes text messages and social media comments.

DRAFT

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Mrs. Witt informed the members that going forward after this meeting, they will start getting all their packet information and any city correspondence through their city email addresses.

➤ **Gulf Power Easement Linear Park**

Mrs. Brisolara explained that staff has created a preliminary scope of work for their recommendation.

The Chairman recapped the general vicinity of where this potential park will be located and asked staff what exactly they are dealing with at this time. According to Mrs. Brisolara, currently they are dealing with the roadway and the walkway from Main Street to Mattie M. Kelly.

Motion to approve the proposed Scope of Work was made by Committee member Morrell with Committee member Woodard providing the second. With no further discussion, the Chairman called for the vote and the motion passed 5-0.

➤ **FDOT Median Landscape Update**

Staff explained that the plans are at the 90% level and three of the tree species they previously recommended were removed from the plan by FDOT.

5. NEW BUSINESS:

➤ **Town Center CRA Master Plan Update**

Staff explained this is one of their work plan items and currently this is just an update of the current status. Currently, staff is in the process of working with other departments to analyze how many projects from the old plan have been implemented over the years. And once that is finalized, staff will bring the analysis back to them to review and provide comment.

The Chairman suggested to the members to review the old plan to familiarize themselves with it in order to be prepared to respond when staff brings the updated plan before them.

6. COMMITTEE COMMENTS:

- Committee member Sandstead asked if the project initiation date of 2007 for the Linear Park is correct. According to Mrs. Witt, that is the correct date and is the portion of the park that was implemented into the Capital Improvements Plan however, the funding was not able to be obtained until 2019-2021.
- Committee member Sweetser spoke of the need to keep the Parks & Recreation Committee involved when the proposal for the Linear Park goes forward to City Council for funding.

7. VISITOR COMMENTS:

None

8. DIRECTOR'S REPORT:

DRAFT

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Mr. Zunguze informed the members that recently Council has made a decisive decision regarding building heights in the city. For any future developments, the decision was made to cap all building heights to 6-stories going forward. Additionally, any requests for additional stories would have to go to a referendum vote by the citizens of Destin. Staff will be bringing the language for that ordinance before City Council at their July 6, 2020 meeting in order to make the August deadline for the referendum.

He also spoke of how currently, there are three ways that staff has to review heights in the city and spoke of how uncomfortable it is for staff in their review process. Those three steps are through the Comprehensive Plan, the Land Development Code, and by the Florida Building Codes. Staff is requesting that Council take measure to change it so there is only one way for staff to review heights in the city. He also informed the members that staff is working on revising the Land Development Code and once the internal comments are taken into consideration, staff will take those suggestions forward to City Council and share any of them that deal with the Town Center CRA with them.

Chairman Wernet asked what the height restrictions will be that will be associated with the cap. According to Mrs. Witt, the maximum is 6-stories and 75-feet.

➤ **Next meeting is July 15, 2020.**

ADJOURNMENT:

Having no further discussions, the meeting was adjourned at 6:00 PM.

Adopted and approved _____ day of _____ 2020.

Lockwood Wernet, Chairman

Kim Montgomery, Deputy City Clerk

DRAFT

CITY OF DESTIN – COMMUNITY DEVELOPMENT



AGENDA ITEM

MEETING DATE: October 21, 2020

BOARD/COMMITTEE: Town Center Community Redevelopment Agency Advisory Committee

TYPE OF AGENDA ITEM: Presentation

TO: Town Center Community Redevelopment Agency Advisory Committee

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

FROM: Traci Goodhart
Daniel Butler, City Planner

DATE: October 16, 2020

SUBJECT: Gulf Power Easement/Linear Park

I. BACKGROUND: One of the key projects that the Committee has identified, as vital to redeveloping the Town Center Redevelopment Area is the proposed Linear Park. The Linear Park extension of 98 Palms Boulevard to the east, will connect portions of the Gulf Power easement providing an opportunity to create a “linear park/multi-use trail” connecting Main Street to Airport Road.

II. DISCUSSION:

III. RECOMMENDATIONS: The Gulf Power Easement Trail/Linear Park has been identified as a Capital Improvement Project (CIP). On June 17, 2020, Staff provided Town Center CRAAC with a preliminary Scope of Work for review and comment. City Staff will present the preliminary scope of work at the upcoming City’s Parks & Recreation Board meeting on October 27, 2020. Staff will report back to the Town Center CRAAC following the City’s Parks & Recreation Board meeting.

IV. RECOMMENDED MOTION: None: Informational Item

Attachments:

1. Town Center CRAAC Linear Park Staff Report 102120

2. CRT17 Gulf Power Easement Trail
3. Gulf Power Linear Park Pre Scope of Work
4. FDOT Mulit Use Cost Estimate 12'



COMMUNITY DEVELOPMENT DEPARTMENT

AGENDA ITEM

TOWN CENTER REDEVELOPMENT AGENCY ADVISORY COMMITTEE

MEETING DATE: October 21, 2020

TYPE OF AGENDA ITEM: Staff Report

TO: Town Center Redevelopment Agency Advisory Committee
(Town Center CRAAC)

THRU: Louis Zunguze, Community Development Director
Kim Kopp, City Land Use Attorney

FROM: Traci Goodhart, Planner
Daniel Butler, Planner

DATE: October 14, 2020

SUBJECT: INFORMATIONAL ITEM: Gulf Power Easement/Linear Park

BACKGROUND:

One of the key projects that the Committee has identified, as vital to redeveloping the Town Center Redevelopment Area is the proposed Linear Park. The Linear Park extension of 98 Palms Boulevard to the east, will connect portions of the Gulf Power easement providing an opportunity to create a "linear park/multi-use trail" connecting Main Street to Airport Road.

CONCLUSION:

The Gulf Power Easement Trail/Linear Park has been identified as a Capital Improvement Project (CIP). On June 17, 2020, Staff provided Town Center CRAAC with a preliminary Scope of Work for review and comment. City Staff will present the preliminary scope of work at the upcoming City's Parks & Recreation Board meeting on October 27, 2020. Staff will report back to the Town Center CRAAC following the City's Parks & Recreation Board meeting.

RECOMMENDED MOTION: None- This is informational

CAPITAL IMPROVEMENT PROJECT REQUEST

CRT17

Gulf Power Easement Trail/Linear Park TOWN CENTER CRA

Purpose and Justification: in 2015 the Town Center CRA created a workplan to design and construct a multi-use trail along the Gulf Power Easement to connect Main Street to Mattie M. Kelly Boulevard, a residential neighborhood. The purpose of the pathway system is to promote the multi-modal goal of a convenient and pleasant access to Main Street shops and amenities without the need to drive. It will also serve as a recreational pathway for bicyclists, joggers, and walkers. **The FY19 goal for the CRA Committee is to develop a schematic design for the pathway and investigate R/W and easement acquisitions.**

Capital Expenditure Overview					Total Project
	FY19	FY20	FY21		\$605,000
Schematic Design	\$ 5,000				
Final Design and Permitting		\$ 50,000			
Construction			\$ 550,000		
TOTAL	\$5,000	\$50,000	\$550,000		

Status:

Comprehensive Plan Policy:2-1.3.1

Is this a Multi-Year Project: Yes

If yes, what was/is the Project's initiation Date: FY07

Operations & Maintenance (O & M) impact(s): Completed project will require periodic maintenance, including routine cleaning and scheduled resurfacing. No O&M costs in FY19.

Total Funding Requirement(s):	
Expenditures to Date	
Land Acquisition	
Architectural/Engineering Design	\$55,000
Permitting & Construction	\$550,000
Equipment/Furnishings (Signs)	
Landscaping & Site Amenities	
Other(s) (please list)	
TOTAL	\$605,000
Funding Source(s):	
General Fund/ Capital Carryover	\$55,000
Gas Tax	
Recreation Impact Fees	
Bond	
Grant	\$550,000
FY19 TOTAL (carryover)	\$605,000



A multi-modal pathway connecting neighborhoods to Main St. shops via 98 Palms Blvd. will be a pleasant addition



**Community
Development
Planning and
Zoning Division**

Phone: 850-654-1119

Fax: 850-460-2171

Proposed Scope of Work

DATE: June 8, 2020
TO: Town Center Community Redevelopment Area (CRA)
THRU: Lance Johnson, City Manager
FROM: Louis Zunguze, Community Development Director
SUBJECT: Gulf Power Easement/ Linear Park

A. PROJECT DESCRIPTION

The Gulf Power Easement/Linear Park is an extension of 98 Palms Boulevard that will connect portions of the Gulf Power easement providing an opportunity to create a “linear park/multi-use trail” connecting Main Street to Airport Road.

B. PROJECT OBJECTIVE

The project objective is to provide a safe area for walking, jogging, biking and exercise, with rest areas and vegetation, and provide connectivity from the residential areas off Airport Road to shops, restaurants and other amenities in the Town Center CRA.

The proposed project is included as a FY2020 Work Plan item for the Town Center and meets the objective for improved mobility and connectivity as described in the Town Center CRA Master Plan. In addition, the project has been prioritized as a Level 1 Priority Planned Improvement as part of the Pathways Master Plan Update ([Article 8.07.02, Land Development Code](#)).

C. DESCRIPTION OF WORK

The Scope is organized into the following tasks:

- Land Acquisition (ROW and Easements)
- Conceptual Design Plan
- Conceptual Budget

D. LAND AQUISITION

- 98 Palms Blvd to Quail Lake Blvd
- Destin Water Users ROW Acquisition
- 80’ ROW Acquisition

- Quail Lake (Quiet Woods) Easement Acquisition

E. CONCEPTUAL DESIGN PLAN

The design concept includes a paved trail and boardwalk connecting Airport Road to Main Street. The proposed ±1,300 linear foot boardwalk from Airport Road and Twin Lakes Lane to Jewel Melvin Park will include interpretive and way-find signage. The multi-use trail will be landscaped and will include lighting. The trail will begin at Jewel Melvin Park and continue east approximately ±3,100 linear feet and will be between 12-15 feet wide with curbing to support emergency vehicles.

F. CONCEPTUAL BUDGET - TBD

- Reference Capital Improvements Project Request CRT17
- FDOT FY2019 12' Multi -Use Trail Cost Estimate

FDOT Long Range Estimating System - Production					
R4: Project Details Composite Report					
By Version					
Project: SHRUSE-O-01-BB				Letting Date: 01/2099	
Description: Two Directional, 12' Shared Use Path					
District: 09	County: 99 DISTRICT/STATE WIDE				
Project Manager: Cost-Per-Mile Model					
Version 13-P Project Grand Total				\$287,393.35	
Description: July 2019 Updates					
Pay Items					
Pay Item	Description	Total Quantity	Unit	Weighted Avg. Unit Price	Total Amount
102-1	MAINTENANCE OF TRAFFIC	6.00			\$14,084.46
101-1	MOBILIZATION	10.00			\$24,882.54
110-1-1	CLEARING & GRUBBING	3.90	AC	\$11,000.00	\$42,900.00
160-4	TYPE B STABILIZATION	9,386.67	SY	\$3.80	\$35,669.35
285-701	OPTIONAL BASE,BASE GROUP 01	7,040.00	SY	\$13.00	\$91,520.00
334-1-11	SUPERPAVE ASPHALTIC CONC, TRAFFIC A	528.00	TN	\$110.00	\$58,080.00
570-1-2	PERFORMANCE TURF, SOD	2,347.00	SY	\$2.80	\$6,571.60
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)	1.00	LS	\$13,685.40	\$13,685.40
Project Unknowns			0.00	%	\$0.00
Design/Build			0.00	%	\$0.00
Version 13-P Project Grand Total					\$287,393.35

CITY OF DESTIN – COMMUNITY DEVELOPMENT



AGENDA ITEM

MEETING DATE: October 21, 2020

BOARD/COMMITTEE: Town Center Community Redevelopment Agency Advisory Committee

TYPE OF AGENDA ITEM: Presentation

TO: Town Center Community Redevelopment Agency Advisory Committee

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

FROM: Traci Goodhart
Daniel Butler, City Planner

DATE: October 16, 2020

SUBJECT: FDOT Median Landscape Plan

I. BACKGROUND: On May 4, 2020, the City Council expressed their intent to write a Letter of Support to the Florida Department of Transportation (FDOT) for the revitalization and beautification of the City's medians from East Pass Bridge to Airport Road. The FDOT provided a list of approved plant candidates to City Council.

II. DISCUSSION: The Town Center CRAAC Committee Members were given an opportunity to provide input. Committee Member comments were provided to FDOT for consideration.

III. RECOMMENDATIONS: The FDOT has now developed the Final Plans. These plans are being provided to the Committee for information.

IV. RECOMMENDED MOTION: None: Informational Item

Attachments:

1. Town Center CRAAC FDOT Median Staff Report 102120
2. 100% Plans 44590715201_PLANS-06-LANDSCAPE



COMMUNITY DEVELOPMENT DEPARTMENT

AGENDA ITEM

TOWN CENTER REDEVELOPMENT AGENCY ADVISORY COMMITTEE

MEETING DATE: October 21, 2020

TYPE OF AGENDA ITEM: Staff Report

TO: Town Center Redevelopment Agency Advisory Committee
(Town Center CRAAC)

THRU: Louis Zunguze, Community Development Director
Kim Kopp, City Land Use Attorney

FROM: Traci Goodhart, Planner
Daniel Butler, Planner

DATE: October 14, 2020

SUBJECT: FDOT Median Landscape Project - FINAL Plans

BACKGROUND:

On May 4, 2020, the City Council expressed their intent to write a Letter of Support to the Florida Department of Transportation (FDOT) for the revitalization and beautification of the City's medians from East Pass Bridge to Airport Road. The FDOT provided a list of approved plant candidates to City Council.

DISCUSSION:

The Town Center CRAAC Committee Members were given an opportunity to provide input. Committee Member comments were provided to FDOT for consideration.

CONCLUSION:

The FDOT has now developed the Final Plans. These plans are being provided to the Committee for information.

RECOMMENDED MOTION: None: Information Item

Attachments:
100% Median Landscaping Plans

CONTRACT PLANS COMPONENTS
LANDSCAPE PLANS

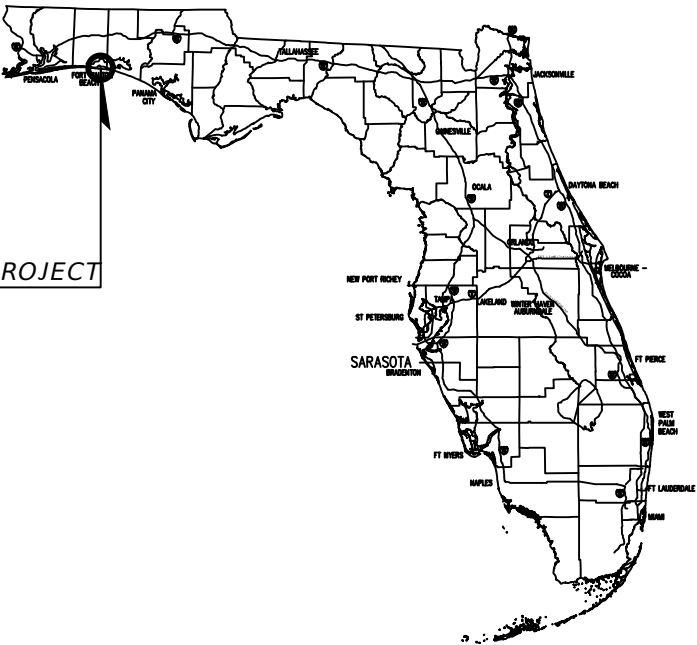
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 445907-1-52-01
OKALOOSA COUNTY (57030)

SR 30 (US 98) FROM WILLIAM T MARLER BRIDGE TO AIRPORT RD LANSDCAPING

LOCATION OF PROJECT



INDEX OF LANDSCAPE PLANS

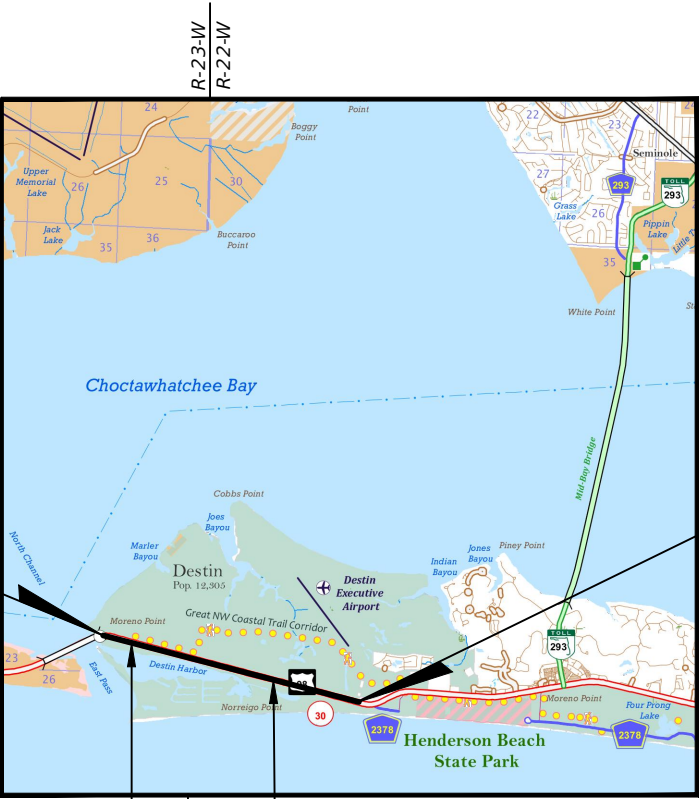
SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	SUMMARY OF PAY ITEMS
4 - 7	LANDSCAPE NOTES
8	LANDSCAPE LEGEND
9	PROJECT LAYOUT
10 - 11	MAINTENANCE AREA LIMITS
12 - 39	LANDSCAPE PLANS
40 - 42	LANDSCAPE DETAILS
43	HARDSCAPE DETAILS
44	IRRIGATION NOTES AND LEGEND
45 - 72	IRRIGATION PLANS
73 - 77	IRRIGATION DETAILS
78	STORMWATER POLLUTION PREVENTION PLAN
79	TEMPORARY TRAFFIC CONTROL PLAN
80-83	TABULATION OF QUANTITIES
84	IRRIGATION TABULATION OF QUANTITIES
SQ-1 - SQ-6	SUMMARY OF QUANTITIES

BEGIN PROJECT
STA. 324+85
MP 17.444

TO PENSACOLA

END PROJECT
STA. 482+00
MP 20.418

TO PANAMA
CITY BEACH



STATION EQUATION:
STA 339+00.00 BK
=STATION 14+13.00 AH

STATION EQUATION
STA 97+63.88 BK
=STA 422+51.04 AH

FINAL SUBMITTAL SEPTEMBER 2020

LANDSCAPE PLANS
LANDSCAPE ARCHITECT OF RECORD:

JAMES S. GILMAN, RLA NO.: 1628
AECOM TECHNICAL SERVICES, INC.
7650 W COURTNEY CAMPBELL CSWY.
TAMPA, FL. 33607-1462
(813) 286-1711
CONTRACT NO.: CA574
VENDOR NO.: F952661922

FDOT PROJECT MANAGER:

PAM MINER / 850-638-2288

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
E3T99	21	1

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2020-21 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

APPLICABLE IRs:

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, January 2021 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

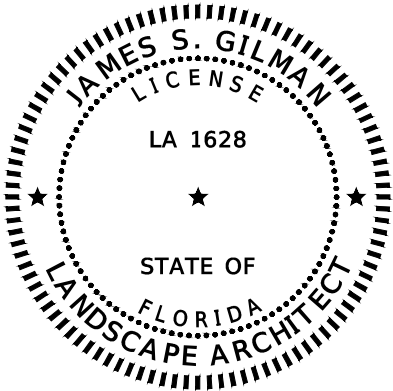
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.01, F.A.C.

09/21/2020 11:52:01 AM

FLORIDA DEPARTMENT OF TRANSPORTATION PROPOSAL SUMMARY OF PAY ITEMS FOR PROPOSAL: E3T99LS						
LEAD PROJECT : 445907-1-52-01			DISTRICT : 03	COUNTY/SECTION : 57030000		
PROJECT(S) : 44590715201LS			COUNTY : OKALOOSA			
0002 SUMMARY OF LANDSCAPE / PERIPHERAL						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	44590715201LS	QUANTITY TOTAL
		0580- 1- 1	LANDSCAPE COMPLETE- SMALL PLANTS 44590715201LS	LS	1.000	1.000
		0580- 1- 2	LANDSCAPE COMPLETE- LARGE PLANTS 44590715201LS	LS	1.000	1.000

NOTE: 999-2 LUMP SUM CONTRACT, ALL OTHER PAY ITEM NUMBERS SHOWN IN CONTRACT PLANS ARE PROVIDED ONLY FOR THE PURPOSE OF DESCRIBING THE WORK TO BE PERFORMED, PAY ITEM DESCRIPTIONS ARE FOUND IN THE DEPARTMENT'S BASIS OF ESTIMATES MANUAL,

REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF PAY ITEMS	SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		2



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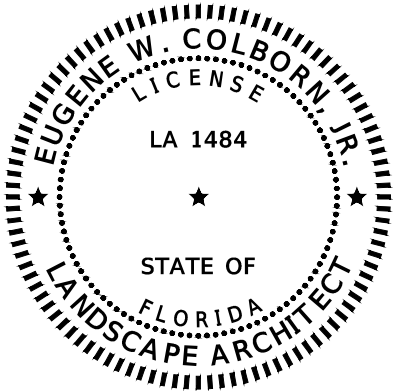
ON THE DATE ADJACENT TO THE SEAL

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ON ANY ELECTRONIC COPIES.

AECOM Technical Services, Inc
7650 West Courtney Campbell Causeway
Tampa, FL 33607-1462
James S. Gilman, RLA No. 1628

THE ABOVE NAMED LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G10-11.011, F.A.C.

<u>SHEET NUMBER</u>	<u>SHEET DESCRIPTION</u>
1	KEY SHEET
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3	SUMMARY OF PAY ITEMS
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80 - 83	TABULATION OF QUANTITIES
SQ-4 - SQ-6	SUMMARY OF QUANTITIES



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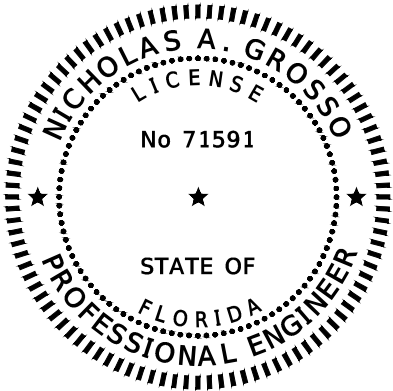
ON THE DATE ADJACENT TO THE SEAL

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Colborn Design Group, Inc.
11628 Somerset Avenue
Princess Anne, MD 21853
Eugene W. Colborn, Jr., RLA No. 1484

THE ABOVE NAMED LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G10-11.011, F.A.C.

<u>SHEET NUMBER</u>	<u>SHEET DESCRIPTION</u>
2	SIGNATURE SHEET
44	IRRIGATION NOTES AND LEGEND
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ON THE DATE ADJACENT TO THE SEAL

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Chipola Engineering Group, Inc.
1695 Metropolitan Circle, STE. 2
Tallahassee, Florida 32308
Nicholas A. Grosso, P.E. No. 71591

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

<u>SHEET NUMBER</u>	<u>SHEET DESCRIPTION</u>
2	SIGNATURE SHEET
78	STORMWATER POLLUTION PREVENTION PLAN
79	TEMPORARY TRAFFIC CONTROL PLAN
SQ-1 - SQ-3	SUMMARY OF QUANTITIES

REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		3

PROJECT NOTES:

1. THIS PROJECT IS BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM NAD 1983/99 HORIZONTAL DATUM. THE VERTICAL DATUM IS BASED ON NAVD 1988.
2. NOTIFY THE ENGINEER AND DISTRICT LANDSCAPE ARCHITECT A MINIMUM OF 5 BUSINESS DAYS PRIOR TO DELIVERY OF PLANT MATERIAL SO A REPRESENTATIVE MAY BE PRESENT TO VERIFY THAT PLANT MATERIAL MEETS PROJECT REQUIREMENTS. AFTER INITIAL ACCEPTANCE, THE CONTRACTOR IS RESPONSIBLE FOR THE HEALTH AND MAINTENANCE OF ALL PLANTS DURING THE INSTALLATION AND ESTABLISHMENT PERIODS. MAINTENANCE SHALL INCLUDE BUT IS NOT LIMITED TO REPLACEMENT, PRUNING, WATERING, FERTILIZATION, AND PEST AND DISEASE MANAGEMENT. MAINTAIN ALL PLANT MATERIAL TO THE ORIGINAL STANDARDS.
3. ADJUST LANDSCAPE MATERIAL AND ASSOCIATED DEVICES IN THE FIELD TO AVOID CONFLICTS WITH ANY PROPOSED OR EXISTING TO REMAIN STRUCTURES OR REGULATORY REQUIREMENTS, INCLUDING BUT NOT LIMITED TO UTILITY STRUCTURES, DRAINAGE STRUCTURES, DITCHES, UNDERDRAINS, DITCH BLOCKS, STORM WATER MANAGEMENT FACILITIES, ITS INFRASTRUCTURE (SUCH AS CONDUIT, ACCESS VAULTS, ETC.), DRAINAGE DISCHARGE PATHS, TRAFFIC SIGNAGE (SUCH AS SLIP BASE SUPPORTS, DIRECTIONAL GANTRIES, MAST ARM ASSEMBLIES, ETC), LIMITS OF CLEAR SIGHT, CLEAR ZONES, OUTDOOR ADVERTISING VIEW ZONES, AND LIGHTING AND THEIR APPURTENANCES. DO NOT KNOWINGLY PLACE THE PROPOSED IMPROVEMENTS IF A CONFLICT EXISTS. ANY COSTS TO REMOVE AND/OR REPAIR AND/OR RELOCATE WORK PLACED THAT HAS NOT BEEN APPROVED IN WRITING BY THE ENGINEER TO BE AT THE CONTRACTOR'S EXPENSE.
4. IMMEDIATELY NOTIFY THE ENGINEER AND DISTRICT LANDSCAPE ARCHITECT OF ANY UNFORESEEN SITE CONDITIONS (OBSTRUCTIONS, COMPACTED SOIL/SUBGRADE, POOR DRAINAGE, UTILITY AND ITS INFRASTRUCTURE CONFLICTS, ETC.) PRIOR TO PROCEEDING WITH LANDSCAPE INSTALLATION. THE ENGINEER WILL REVIEW PLANT RELOCATION OR OTHER ACTION PROPOSED BY THE CONTRACTOR.
5. ALL ELECTRIC LINES ARE 12.47 KV OR LESS.
6. COORDINATE WITH THE ADJACENT PROJECT REGARDING LANE CLOSURES AND WORK OPERATIONS (FM 414132-3-52-01, SR 30 (US 98) FROM AIRPORT RD TO THE WALTON COUNTY LINE. COORDINATE WITH THE ENGINEER FOR CONTACT INFORMATION.

UTILITY NOTES:

1. THE LOCATION OF UNDERGROUND FACILITIES SHOWN IN THE PLANS IS BASED UPON INFORMATION AVAILABLE AT THE TIME OF PLANS PREPARATION. LOCATIONS SHOWN ARE APPROXIMATE, AND THIS INFORMATION SHOULD NOT BE ASSUMED TO BE COMPREHENSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ALL FACILITIES INCLUDING UNDERGROUND INFRASTRUCTURE THAT IS AN INTEGRAL PART OF THE STATE HIGHWAY SYSTEM THAT WOULD NOT NORMALLY BE LOCATED THROUGH SUNSHINE 811 IN ACCORDANCE WITH THE EXEMPTION AFFORDED TO THE DEPARTMENT VIA FLORIDA STATUTE 556.105(5). LOCATES TO BE PERFORMED BY THE CONTRACTOR INCLUDE ALL NECESSARY COORDINATION WITH FDOT, ASSET MAINTENANCE CONTRACTORS, AND OTHER APPLICABLE AGENCIES.
2. THE LOCATIONS OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED VV, VH, AND VVH) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
3. UTILITY OWNERS:

Company	Contact Person	Contact Number	Email Address
AT&T Corp.	Steve Hamer	(813) 888-8300 ext. 201	shamer@sdt-1.com
AT&T Florida	Rob St. Pierre	(850) 436-1701	rs364y@att.com
CenturyLink	Amber Gilson	(850) 815-3131	amber.gilson@centurylink.com
CenturyLink / Level 3 / Qwest	John Dalton	(757) 822-4285	john.dalton@centurylink.com
Cox Communications	Roger Dixon	(850) 314-8163	roger.dixon@cox.com
Destin Water Users	Monica Autrey	(850) 337-3945	mautrey@dwuinc.com
Gulf Power Company (Distribution)	Chad Swails	(850) 429-2446	chad.swails@nexteraenergy.com
Okaloosa County Information Technology	Jason Snyder	(850) 651-7570	jsnyder@myokaloosa.com
Okaloosa County Signal System	Randy Showers	(850) 609-6181	rshowers@myokaloosa.com
Okaloosa Gas District	Lars Sullivan	(850) 729-4870	larssullivan@okaloosagas.com
Uniti Fiber (formerly Southern Light)	Kyle Hill	(850) 544-1400	james.hill@uniti.com

4. A UTILITY REPRESENTATIVE TO BE PRESENT IF LANDSCAPING REQUIRES ANY EXCAVATIONS GREATER THAN 36" DEPTH WITHIN 15 FT OF UNDERGROUND UTILITIES, TO NEGATE ANY UTILITY CONFLICTS.
5. COORDINATE WITH THE UTILITY COMPANIES DURING CONSTRUCTION. NO UTILITY IS TO BE RELOCATED. ADJUST PLANTING HORIZONTALLY, AT THE DIRECTION OF THE ENGINEER, TO NEGATE ANY UTILITY CONFLICTS.
6. REPAIR FIBER CABLE DAMAGE
IN THE EVENT OF FIBER CABLE DAMAGE, IMMEDIATELY REPAIR FIBER CABLE BY REMOVING LOCAL SLACK AND ADDING A FUSION SPLICE IN THE LOCATION OF THE DAMAGE. FULL DEPARTMENT TEST PROCEDURES (SEE JANUARY 2019 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 633) SHALL BE FOLLOWED FOR THE ACCEPTANCE OF THE REPAIRED FIBER CABLE. ONCE REPAIRED, FULL REVIEW OF THE EXISTING FIBER NETWORK AND FACILITY SHALL BE COMPLETE, AND A PERMANENT SPLICE PLAN SHALL BE PRESENTED TO THE ITS PROGRAM MANAGER FOR APPROVAL. THE PERMANENT SPLICE PLAN SHALL BE A MINIMUM OF 10,000' OF REPLACEMENT FIBER CABLE AND MEET DB LOSS GUIDANCE IN ACCORDANCE WITH DEPARTMENT SPLICING SPECIFICATION (SEE JANUARY 2019 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 633). THE PERMANENT SPLICE PLAN SHALL ALSO PROVIDE FOR ACCESS TO CABINETS, PULL BOXES, HUBS, ETC., AND AN INTEGRATION PLAN WITH SCHEDULE FOR ALL DEVICES THAT WILL BE AFFECTED WITH THE PERMANENT SPLICE REPLACEMENT. THE NEW FIBER CABLE SHALL BE APPROVED THROUGH DEPARTMENT REVIEW SPECIFICATIONS. THE CONTRACTOR'S APPROVED ITS ENGINEER MAY ADJUST THE 10,000' MINIMUM SPECIFICATION BASED UPON EVALUATION OF ADJACENT EXISTING FIBER SPLICES. AT NO TIME SHALL A FULL CONDUCTOR FIBER SPLICE BE ALLOWED FOR PERMANENT PLACEMENT THAT IS CLOSER THAN 10,000' TO ANOTHER FULL CONDUCTOR FIBER SPLICE. ALLOWANCE OF ADDITIONAL FUSION SPLICES SHALL BE AT THE DISCRETION OF THE ITS PROGRAM MANAGER.

7. PREFERRED PLANT MATERIAL SET-BACKS*
(TO CENTER OF PLANT)
- 5 FT FROM UNDERGROUND UTILITIES TO TREES.
15 FT FROM ITS INFRASTRUCTURE TO TREES.
15 FT OVERHEAD UTILITY LINE SETBACK FOR UNDERSTORY TREES.
30 FT OVERHEAD UTILITY LINE SETBACK FOR CANOPY TREES.
* EXCEPTIONS TO OFFSETS FROM WATER AND/OR SANITARY SEWER APPROVED BY DESTIN WATER USERS WITH USE OF ROOT PROTECTION FABRIC (BIOBARRIER).

LANDSCAPE NOTES:

1. WORK WITHIN 15 FT OF EXISTING TREES TO REMAIN SHALL BE PERFORMED BY HAND. ANY DISTURBED ROOTS SHALL BE SEVERED USING CLEAN, SHARP TOOLS.
2. PROVIDE THE FOLLOWING SUBMITTALS AND NOTIFICATIONS AS A MINIMUM FOR BIDDING PURPOSES:
- A. PLANT MATERIAL DELIVERY
B. UNFORESEEN SITE CONDITIONS
C. PRODUCT SAMPLES - SUBMIT PRODUCT SAMPLES AND DATA SHEETS FOR ALL PROPOSED MATERIALS, INCLUDING BUT NOT LIMITED TO PLANT MATERIAL, STAKING AND BRACING KITS, MYCORRHIZAL SOIL INOCULATE, FERTILIZER, MULCH, CONCRETE PAVERS, LIMESTONE BOULDERS, BIOBARRIER, TOPSOIL, AND "BLENDED SOIL" FOR REVIEW AND WRITTEN APPROVAL BY THE ENGINEER PRIOR TO DELIVERY.
D. FIELD-GROWN TREE CERTIFICATIONS
E. SOIL SAMPLE LOCATIONS AND PROPOSED TESTING LABORATORY.
F. TOPSOIL ANALYSIS, RECOMMENDATIONS, AND AMENDMENTS.
G. CERTIFIED ARBORIST CREDENTIALS - SUBMIT CERTIFIED ARBORIST CREDENTIALS FOR REVIEW AND WRITTEN APPROVAL TO THE ENGINEER. SEE ESTABLISHMENT PERIOD MAINTENANCE PLAN NOTES FOR ADDITIONAL INFORMATION.
H. CONCRETE PAVERS MOCK-UP IN FIELD REVIEW
3. CONTAINER GROWN PLANTS: A MINIMUM OF 80% OF THE CONTAINER ROOTBALL MUST BE BOUND BY THE ROOT SYSTEM. ENCIRCLING OR "RING" ROOTS ARE PROHIBITED.
4. FIELD GROWN TREES MUST BE TAGGED AND CERTIFIED BY THE GROWER TO BE HARDENED A MINIMUM OF 60 DAYS AFTER DIGGING, PRIOR TO SHIPPING. PRESENT CERTIFICATION TO THE ENGINEER FOR REVIEW AND WRITTEN APPROVAL. FIELD GROWN TREES WITHOUT THIS CERTIFICATION WILL NOT BE PERMITTED.
5. SOD SHALL BE 'EMPIRE' ZOYSIA (ZOYSIA JAPONICA 'EMPIRE' SOD). SHALL BE DELIVERED IN 12" X 24" RECTANGLES, WEED AND WEED SEED FREE. SOD SHALL BE LAID WITH SEAMS BUTTED TIGHTLY TOGETHER AND WITH SEAMS STAGGERED FROM ONE ROW TO THE NEXT ROW.
- A. PREPARE AREA DIRECTLY ADJACENT TO CURB PER PLANTING AREA PREPARATION NOTES AND DETAILS.
B. SOD STRIPS BETWEEN CURB AND MULCHED PLANTING BEDS SHALL BE 5 FT. WIDE UNLESS OTHERWISE NOTED IN THE PLANS.
6. AS PART OF THE CONTRACTOR'S RESPONSIBILITY TO ENSURE LONG TERM HEALTH AND VIABILITY OF PLANT MATERIAL, DETERMINE, AT A MINIMUM, SITE CONDITIONS, PLANT MATERIAL AVAILABILITY, SOIL ANALYSIS/AMENDMENTS, FERTILIZER APPLICATION RATES, MYCORRHIZAL SOIL INOCULATE APPLICATION RATES AND WATERING REQUIREMENTS:
- A. ASSUME THE FOLLOWING CONCERNING SOIL ANALYSIS, RECOMMENDATIONS, AND AMENDMENTS:
COLLECT SOIL SAMPLES AT A MINIMUM OF 20 PLANTING LOCATIONS DISTRIBUTED EVENLY THROUGHOUT THE PROJECT. SUBMIT TESTING LOCATIONS TO THE ENGINEER FOR WRITTEN APPROVAL PRIOR TO TAKING SAMPLES. SEND SAMPLES TO AN AGRONOMIC SOILS TESTING LABORATORY APPROVED BY THE ENGINEER, STATING PROPOSED PLANT MATERIAL AT EACH TEST LOCATION. ANALYSIS TO INCLUDE, AT A MINIMUM, PH, NPK, ORGANIC CONTENT, TEXTURE, AND SOLUBLE SALTS. SUBMIT RESULTS/RECOMMENDATIONS AND PROPOSED FERTILIZER ANALYSIS/AMENDMENTS TO THE ENGINEER. COSTS OF FERTILIZER AND AMENDMENTS TO BE INCLUDED IN THE LUMP SUM COST OF THE PROJECT.
- B. ASSUME THE FOLLOWING CONCERNING FERTILIZER. FOR INITIAL INSTALLATION OF TREES, SHRUBS/ORNAMENTAL GRASSES, AND GROUNDCOVERS:
- a. FERTILIZER IS ASSUMED TO BE CONTROLLED RELEASE FERTILIZER WITH A 15-9-12 ANALYSIS AND CONTAINING TRACE ELEMENTS MG, S, B, CU, FE, MN, MO, AND ZN. FERTILIZER GRANULES TO BE COMPOSED OF DRY NUTRIENTS ENCAPSULATED IN MULTIPLE LAYERS OF POLYMERIC RESIN.
- b. SOURCE FOR N TO BE RESIN-COATED UREA OR RESIN-COATED AMMONIUM SALTS. MN, ZN, AND CU TO BE SULFATE FORMS. FE TO BE GRANULAR CHELATED IRON.
- c. THE FOLLOWING APPLICATION RATES ARE PROVIDED AS A RECOMMENDATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE APPROPRIATE FERTILIZER/AMENDMENTS TO ENSURE PROPER ESTABLISHMENT AND VIGOR OF PLANT MATERIAL:
- 0.5 OZ PER EA 4" POT OR PLANT LINER 1.0 OZ PER EA 1 GALLON CONTAINER
3.0 OZ PER EA 3 GALLON CONTAINER6.0 OZ PER EA 7 GALLON CONTAINER
9.0 OZ PER EA 15 GALLON CONTAINER 16.0 OZ PER EA 30 GALLON CONTAINER
24.0 OZ PER EA 45 GALLON CONTAINER 32.0 OZ PER EA 65 GALLON CONTAINER
48.0 OZ PER EA 100 GALLON CONTAINER 64.0 OZ PER EA 200 GALLON CONTAINER
96.0 OZ PER EA 300 GALLON CONTAINER
FOR GRASSING AND SOD AREAS: APPLY 6 LBS/1000SF.
- d. FOR INITIAL INSTALLATION OF SOD: FERTILIZER IS ASSUMED TO BE CONTROLLED RELEASE FERTILIZER WITH A 12-4-8 ANALYSIS.

REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE NOTES	SHEET NO.
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C. THE FOLLOWING WATERING SCHEDULE IS PROVIDED AS A RECOMMENDATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE SUFFICIENT WATER TO ENSURE PROPER ESTABLISHMENT AND VIGOR OF PLANT MATERIAL.

SIZE OF NURSERY STOCK:WATERING SCHEDULE

1/3/7 GAL CONTAINER:	DAILY FOR 2 WEEKS; EVERY OTHER DAY FOR 2 MONTHS; WEEKLY UNTIL ESTABLISHED
15/30 GAL CONTAINER:	DAILY FOR 1 MONTH; EVERY OTHER DAY FOR 3 MONTHS; WEEKLY UNTIL ESTABLISHED
45/65 GAL CONTAINER:	DAILY FOR 1 MONTH; EVERY OTHER DAY FOR 3 MONTHS; WEEKLY UNTIL ESTABLISHED
100/200/300 TREE:	DAILY FOR 6 WEEKS; EVERY OTHER DAY FOR 5 MONTHS; WEEKLY UNTIL ESTABLISHED
SOD:	DAILY FOR 1 WEEK; EVERY OTHER DAY FOR 2 WEEKS; 2X PER WEEK FOR 2 WEEKS

- a. TREES: AT EACH IRRIGATION, APPLY WATER TO SUFFICIENTLY SOAK THE ENTIRE ROOT ZONE. DO NOT WATER IF ROOT ZONE IS WET OR SATURATED ON THE IRRIGATION DAY.
- b. SHRUBS/GRASSES AND GROUNDCOVERS: AT EACH IRRIGATION, APPLY WATER TO SUFFICIENTLY SOAK THE ENTIRE ROOT ZONE. DO NOT WATER IF ROOT ZONE IS WET OR SATURATED ON THE IRRIGATION DAY.
- c. SOD: AT EACH IRRIGATION, APPLY WATER TO SUFFICIENTLY SOAK 3" BELOW DEPTH OF ROOT ZONE. DO NOT WATER IF ROOT ZONE IS WET OR SATURATED ON IRRIGATION DAY.

7. PROVIDE AN IN-GROUND, PERMANENT, AUTOMATIC IRRIGATION SYSTEM IN AREAS AS SHOWN ON IRRIGATION PLANS, NOTES, AND DETAILS. SUPPLY SUFFICIENT WATER TO ALL NEWLY PLANTED AREAS. CONTACT WATER UTILITY COMPANY DESTIN WATER USERS,, MS MONICA AUTREY (850-337-3945). CONTACT ELECTRIC UTILITY COMPANY: GULF POWER, MR. CHAD SWAILS (850-244-4747).

PLANTING AREA PREPARATION NOTES

1. PLANTING AREA PREPARATION TO OCCUR AS FOLLOWS:

A. DEMOLITION/ PLANT REMOVAL

- a. ALL SHRUBS WITHIN MEDIANS SHALL BE REMOVED.
- b. PRIOR TO TURF REMOVAL, APPLY HERBICIDE WHERE PLANT BEDS AND SOD AREAS ARE PROPOSED. BEGIN PROCESS A MINIMUM OF 28 DAYS PRIOR TO PLANTING AS FOLLOWS: SPRAY AREA TO BE KILLED WITH GLYPHOSATE PER MANUFACTURER RECOMMENDATIONS. 7 DAYS AFTER SPRAYING, CLOSE MOW TO 1" HEIGHT. 14 DAYS AFTER CLOSE MOWING, RE-SPRAY AREA TO BE KILLED WITH GLYPHOSATE PER MANUFACTURER RECOMMENDATIONS. 7 DAYS AFTER RE-SPRAYING, PROCEED WITH TURF REMOVAL AS INSTRUCTED BELOW. PROPOSED INDIVIDUAL TREE RINGS DO NOT REQUIRE HERBICIDE APPLICATION.
- c. ALL TURF WITHIN MEDIANS SHALL BE REMOVED.
- d. REMOVE TREES IDENTIFIED ON PLANS FOR REMOVAL. WHERE TREES ARE TO BE REMOVED, EXTREME CARE MUST BE TAKEN TO PROTECT EXISTING UTILITIES. LOCATE AND PROTECT SHALLOW UTILITIES PRIOR TO ANY TREE REMOVAL ACTIVITIES. ROOTBALLS MUST BE HAND-DUG, AND RIPPING TRUNKS/ROOTBALLS FROM THE SOIL USING MECHANICAL MEANS IS PROHIBITED.
- e. REMOVE ALL EXISTING PUMP AND WELL ASSEMBLIES WITHIN MEDIANS IN THE PROJECT LIMITS.
- f. CAP ALL ABANDONED WELLS IN MEDIANS WITHIN THE PROJECT LIMITS PER NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT REQUIREMENTS.
- g. EXISTING POWER DROPS, METERS, AND ELECTRICAL CONNECTIONS TO MEDIANS TO SUPPLY POWER TO PUMP/WELL ASSEMBLIES ARE TO BE PROTECTED. WIRES ARE TO BE CAPPED AND PLACED INSIDE TRAFFIC-RATED 8" VALVE BOXES FOR FUTURE USE BY OTHERS.
- h. ALONG ALL CURB EDGES ADJACENT TO PLANT BEDS, EXCAVATE TO PROVIDE A 3"-TO-3 ½" INCH GAP BETWEEN FINISH SOIL GRADE AND TOP OF CURB. SEE DETAILS.
- i. ALONG ALL CURB EDGES ADJACENT TO TURF AREAS, EXCAVATE TO PROVIDE A 2"-TO-2½" DIFFERENTIAL BETWEEN TOP OF EXISTING SOIL AND TOP OF CURB. SEE DETAILS AND LANDSCAPE NOTES.

B. PLACE TOPSOIL IN MEDIANS IN THE FOLLOWING AREAS:

- a. OAK AREAS NOTED ON PLANS: WHERE EXISTING OAKS PLANTED OVER WATER/SANITARY SEWER LINES, GRADE TO CREATE A CROWN APPROX. 9" HEIGHT, RAKED SMOOTH, SEE DETAILS AND PLANS.
- b. BENEATH ALL EXISTING CRAPE MYRTLE: PLACE 2" TOPSOIL, RAKED SMOOTH, SEE DETAILS AND PLANS.
- c. BENEATH SOD AREAS: INSTALL AT ALL PROPOSED SOD AREAS, 2" AVERAGE DEPTH, RAKED SMOOTH, SEE DETAILS AND PLANS.

C. PLANTING OFFSET: PROVIDE A PLANTING OFFSET FROM THE EDGE OF MULCHED PLANT BEDS OR BACK OF CURB. OFFSET FOR THE PLANT SHALL MATCH THE SPECIFIED ON-CENTER SPACING FOR THAT PLANT. SEE DETAILS.

D. LAY OUT AND STAKE LOCATIONS OF PLANTINGS TO ACCURATELY REFLECT PLANS. COORDINATE WITH THE ENGINEER TO REVIEW LAYOUT AND STAKING ON SITE. IF WOODEN STAKES ARE USED TO INDICATE TREE LOCATIONS, ADD A COLORED FLAG TO INCREASE VISIBILITY. PROVIDE A MINIMUM OF 5 BUSINESS DAYS ADVANCED NOTIFICATION OF PROPOSED INSPECTION. MAKE MODIFICATIONS AS REQUESTED BY THE ENGINEER AND OBTAIN WRITTEN APPROVAL PRIOR TO LANDSCAPE INSTALLATION.

E. EXCAVATE PLANTING PITS AS SHOWN IN DETAILS. THE DEPTH OF THE HOLE TO BE 1"-2" SHALLOWER THAN THE BOTTOM OF ROOTBALL; DIG DEEPER AROUND THE HOLE'S PERIMETER, CREATING A FIRM CENTRAL PLATEAU SO THAT EXCESS WATER WILL FLOW AWAY FROM ROOTBALL.

F. WHERE BIOBARRIER ROOT EXCLUSION FABRIC IS USED BENEATH OAKS, EXCAVATE PLANTING PITS PER DETAILS TO PROVIDE A LEVEL SURFACE FOR MINIMUM 36" X 36" BIOBARRIER FABRIC IN BOTTOM OF PLANTING PIT.

G. TO ASSURE DRAINAGE/PERCOLATION OF PLANTING PITS PRIOR TO INSTALLATION, FILL SAMPLE TREE PITS (1 IN 5) WITH WATER AND OBSERVE PERCOLATION. HOLES TO PERCOLATE IN 30 MINUTES OR LESS. BRING DISCREPANCIES TO THE ENGINEER'S ATTENTION.

H. INSTALL MYCORRHIZAL INOCULANT PER MANUFACTURER RECOMMENDATIONS.

1. FILL PLANTING PIT WITH PLANTING BACKFILL MIXTURE IN LIFTS AND TAMP LIGHTLY AROUND EACH AND EVERY PLANT. THOROUGHLY FLUSH WITH WATER AT EACH LIFT AND MAKE ADJUSTMENTS TO PROVIDE PROPERLY SET PLANT MATERIAL. INSTALL FERTILIZER PER MANUFACTURER RECOMMENDATIONS.

J. ESTABLISH FINISHED PRE-MULCHING GRADE.

K. APPLY PRE-EMERGENT HERBICIDE TO ALL INDIVIDUAL TREE RINGS, PLANT BEDS, MULCH ON GRADE AREAS, AND SOD AREAS. USE SUITABLE ACTIVE INGREDIENTS FOR CONTROL OF ANNUAL AND PERENNIAL BROADLEAF WEEDS AND GRASSES. STRICTLY ADHERE TO MANUFACTURER RECOMMENDATIONS FOR APPLICATION METHOD, TIMING AND APPLICATION RATE.

L. EVENLY SPREAD MULCH ACROSS INDIVIDUAL TREE RINGS AND PLANT BEDS TO A DEPTH OF 3".

M. SOD AREAS TO BE RAKED SMOOTH TO ESTABLISH FINISHED GRADE 2" - 2½" BELOW TOP OF CURB. ENSURE EXISTING GRADES ARE RE-ESTABLISHED. BUTT SOD PIECES TOGETHER CLOSELY AND PEG IN PLACE AS NEEDED TO NOT IMPEDE MAINTENANCE OPERATIONS. ENSURE EDGES ARE TRIMMED EVENLY AND SOD IS ROLLED TO AN EVEN FINISHED GRADE AND APPEARANCE.

N. IN AREAS WITH EXISTING CRAPE MYRTLE, ADD 2" TOPSOIL OVER EXISTING SOIL AND RAKE SMOOTH, BEING CAREFUL TO ESTABLISH CORRECT FINAL GRADE AT CURB EDGES. SEE PLANTIUNG DETAILS.

0. IN AREAS WHERE OAK TREES ARE TO BE INSTALLED, PROVIDE TOPSOIL, GRADED TO CREATE A CROWN APPROXIMATELY 9" HEIGHT AT THE CENTERLINE OF THE MEDIAN. SEE LANDSCAPE DETAILS.

2. CORRECTIVE PRUNING

- A. PERFORM CORRECTIVE PRUNING ON ALL EXISTING TREES TO REMAIN WITHIN THE MEDIANS IN THE PROJECT LIMITS. PRUNING SHALL INCLUDE REMOVAL OF SUCKERS AT BASE OF TRUNKS, LIFTING OF CANOPIES TO 8 FT., AND REMOVAL OF ANY DEAD WOOD. PRUNE AS NEEDED TO ENHANCE AND MAINTAIN NATURAL SHAPE AND VIGOR AND TO REMOVE CROSS BRANCHING.
- B. PRUNING TO BE PERFORMED UNDER THE SUPERVISION OF A CERTIFIED ARBORIST WITH AT LEAST 5 YEARS OF EXPERIENCE ON SIMILAR PROJECTS.
- C. CRAPE MYRTLE TREES MAY BE TIP PRUNED DURING THE GROWING SEASON (CUTS THROUGH SMALLER DIAMETER BRANCHES 1 YEAR OLD OR LESS). POLLARDING (ANNUAL REMOVAL OF ALL SPROUTS) AND TOPPING (REMOVAL OF LARGE DIAMETER WOOD) ARE NOT ACCEPTABLE PRUNING METHODS.
- D. PROVIDE STRUCTURAL AND AESTHETIC PRUNING TO (6) CRAPE MYRTLE TREES TO ENHANCE THE VIEW OF THE ADJACENT BILLBOARD. PERFORM PRUNING UNDER THE OBSERVATION OF THE DISTRICT LANDSCAPE ARCHITECT. SEE SHEET 21, STA. 49+40 - STA. 50+90, AND SHEET 37, STA. 469+10 - STA. 469+40.

3. TOPSOIL FOR SPREADING BENEATH SOD, CRAPE MYRTLE AND OAKS AT BIOBARRIER LOCATIONS SHALL BE SIEVED (1½" OPENING), WEED FREE TOPSOIL IMPORTED TO THE SITE, FREE OF ROCK AND DEBRIS. SUBMIT SOIL ANALYSIS RESULTS FROM AN APPROVED AGRONOMIC SOILS TESTING LABORATORY FOR A MINIMUM OF PH, ORGANIC CONTENT, SOLUBLE SALTS, AND TEXTURE WITH A STATEMENT OF SUITABILITY FOR LIVE OAK, CRAPE MYRTLE, AND ZOYSIA SOD GROWTH. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE SUITABILITY FOR GROWTH OF PROPOSED PLANT MATERIAL.

4. PLANTING BACKFILL MIXTURE FOR TREES, SHRUBS/GRASSES, AND GROUNDCOVERS TO CONSIST OF 25% COARSE SAND, 25% "BLENDED SOIL" OR EQUAL, AND 50% EXISTING SOIL. PLANTING BACKFILL MIXTURE IS SUBJECT TO THE ENGINEER'S WRITTEN APPROVAL. MIX THOROUGHLY PRIOR TO INSTALLATION ACCORDING TO THE FOLLOWING SCHEDULE:

1 GALLON:	0.003 CY (0.08 CF) COARSE SAND AND 0.003 CY (0.08 CF) "BLENDED SOIL"
3 GALLON:	0.006 CY (0.16 CF) COARSE SAND AND 0.006 CY (0.16 CF) "BLENDED SOIL"
7 GALLON:	0.015 CY (0.4 CF) COARSE SAND AND 0.015 CY (0.4 CF) "BLENDED SOIL"
15 GALLON:	0.03 CY (0.8 CF) COARSE SAND AND 0.03 CY (0.8 CF) "BLENDED SOIL"
30 GALLON:	0.06 CY (1.6 CF) COARSE SAND AND 0.06 CY (1.6 CF) "BLENDED SOIL"
45 GALLON:	0.11 CY (2.9 CF) COARSE SAND AND 0.11 CY (2.9 CF) "BLENDED SOIL"
65 GALLON:	0.17 CY (4.6 CF) COARSE SAND AND 0.17 CY (4.6 CF) "BLENDED SOIL"
100 GALLON:	0.26 CY (7.1 CF) COARSE SAND AND 0.26 CY (7.1 CF) "BLENDED SOIL"
200 GALLON:	0.88 CY (23.8 CF) COARSE SAND AND 0.88 CY (23.8 CF) "BLENDED SOIL"
300 GALLON:	1.37 CY (37 CF) COARSE SAND AND 1.37 CY (37 CF) "BLENDED SOIL"

REMOVE EXCESS SOIL FROM SITE AND DISPOSE OF IN A LAWFUL MANNER. REFER TO DETAILS FOR MINIMUM PLANTING PIT DIMENSIONS.

5. "BLENDED SOIL" (A COMPONENT OF PLANTING BACKFILL MIXTURE)
 - A. SHALL CONSIST OF:
 - 1/3 MUSHROOM COMPOST OR PEAT,
 - 1/3 COMMERCIALY PROCESSED AND COMPOSTED COW MANURE AND
 - 1/3 COMPOSTED BARK.
 - B. SEE LANDSCAPE NOTES FOR PRODUCT SAMPLE/DATA SHEET SUBMITTAL REQUIREMENTS.
6. SOD SHALL BE 'EMPIRE' ZOYSIA SOD. SOD SHALL BE FRESH, WEED FREE, AND DELIVERED TO THE SITE WITHIN 72 HOURS OF CUTTING. WHEN LAYING SOD, BUTT SOD PIECES TOGETHER CLOSELY AND PEG IN PLACE AS NEEDED. ENSURE EDGES ARE TRIMMED EVENLY AND SOD IS ROLLED TO AN EVEN FINISHED GRADE AND APPEARANCE. SEE DETAILS.
7. MYCORRHIZAL INOCULANT FOR PLANTING PITS
USE AND APPLY SOIL INOCULANT PER MANUFACTURER RECOMMENDATIONS TO EACH PLANTING PIT. THE INOCULANT IS TO CONTAIN BOTH ENDO AND ECTOMYCORRHIZAL INOCULANTS COMBINED WITH HUMIC ACIDS, TRICHODERMA, STIMULANTS, BENEFICIAL BACTERIA, SOLUBLE SEA KELP, YUCCA PLANT EXTRACTS, AND A WATER RETENTION GEL, AS LISTED BELOW. COST TO BE INCLUDED IN LUMP SUM PROJECT COST. SEE LANDSCAPE NOTES FOR PRODUCT SAMPLE/DATA SHEET SUBMITTAL REQUIREMENTS.

- a. ENDOMYCORRHIZAL FUNGI (MINIMUM 12.5 PROPAGULES PER CUBIC CENTIMETER: GLOMUS MOSSEAE (2), GLOMUS INTRARADICES (2), GLOMUS FASCICULATUM (2), GLOMUS DUSII (2), GLOMUS CLARUM (2), GLOMUS DESERTICOLA (1.25), GLOMUS MICROAGGREGATUM (1.25).)
- b. ECTOMYCORRHIZAL FUNGI (MINIMUM 180,400 CFU'S PER CUBIC CENTIMETER TO INCLUDE: PISOLITHUS TINCTORIUS (155,400), RHIZOPOGON (25,000).)
- c. NITROGEN FIXING, PHOSPHATE SOLUBILIZING AND GROWTH PROMOTING BACTERIA (1,000,000 CFU'S PER CUBIC CENTIMETER OF GENUS BACILLUS (BACILLUS MEGATERIUM, BACILLUS SUBTILIS, BACILLUS AMYLOLIQUEFACIENS, BACILLUS AZOTOFORMANS, BACILLUS LICHENIFORMIS, BACILLUS PUMILUS, BACILLUS FIRMI, BACILLUS COAGULANS, GEOBACILLUS STEAROTHERMOPHILUS, PAENIBACILLUS POLYMYXA), GENUS PSEUDOMONAS (PSEUDOMONAS PUTIDA, PSEUDOMONAS FLUORESCENS, PSEUDOMONAS AUREOFACEANS, PSEUDOMONAS. DURUM), GENUS STREPTOMYCES (STREPTOMYCES LYDICUS, STREPTOMYCES GRISEUS, STREPTOMYCES COELICOLOR).)

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- d. TRICHODERMA (72,600 CFU'S PER CUBIC CENTIMETER GENUS TRICHODERMA (TRICHODERMA HAMATUM, TRICHODERMA HARZIANUM, TRICHODERMA VIRIDE, TRICHODERMA REESEI)).
- e. SEA KELP EXTRACT (10% ASCOPHYLLUM NODOSUM); YUCCA PLANT EXTRACT (4% YUCCA SCHIDIGERA); HUMIC ACIDS (21% DERIVED FROM LEONARDITE).
- f. WATER RETENTION GEL, MINIMUM 29% (PARTICLE SIZE 0.8 MM TO 2.0 MM; PERCENT SOLUBLE LESS THAN 0.05%; ABSORPTION RATE 300-400 TIMES IN DISTILLED WATER).
- g. ROOT PROMOTING VITAMINS (B, B2, B3, B6, B7, B12, C, K, BIOTIN, FULVIC ACID).
- h. AMINO ACIDS (PROTEIN): ANIMAL AND PLANT PROTIENS.

B. FOR SOD:

- a. AFTER GROUND PREPARATION AND BEFORE SOD IS PLACED, BROADCAST AT THE RATE OF 3 POUNDS PER 100 SQUARE FEET WORKED INTO THE FIRST 2 INCHES OF SOIL A COMPOUND CONTAINING:
- b. MYCORRHIZAL FUNGAL INOCULATES OF DIVERSE ENDOMYCORRHIZAL (18 PROPAGULES PER CUBIC CENTIMETER: GLOMUS MOSSEAE (3.6), GLOMUS INTRARADICES (3.6), GLOMUS FASCICULATUM (3.6), GLOMUS DUSSII (1.8), GLOMUS CLARUM (1.8), GLOMUS DESERTICOLA (1.8), GLOMUS MICROAGGREGATUM (1.8).
- c. NITROGEN FIXING, PHOSPHATE SOLUBILIZING AND GROWTH PROMOTING BACTERIA 353,000 CFU'S PER CUBIC CENTIMETER, (BACILLUS (10 SPECIES), PSEUDOMONAS (3 SPECIES), STREPTOMYCES (3 SPECIES)).
- d. MYCORRHIZAL ENHANCER (TRICHODERMA (3 SPECIES) 30,500 COLONY FORMING UNITS PER CUBIC CENTIMETER.
- e. ORGANIC BIOSTIMULANTS TO STIMULATE MICROBIAL ACTIVITY IN THE GROUND AND PROMOTE ROOT GROWTH.
- f. AGRICULTURAL GRADE PLANTING GEL (5%) TO MAINTAIN MOISTURE IN THE ROOT ZONE.

8. *MULCH:*

- A. FOR AREAS PLANTED WITH MINIMA JASMINE OR CONFEDERATE JASMINE, MULCH SHALL BE PINE BARK NUGGET FINES, $\frac{1}{2}$ " OR SMALLER.
- B. FOR OTHER PLANT BEDS AND INDIVIDUAL TREE RINGS, MULCH SHALL BE MINI PINE BARK NUGGETS.
- C. UNIFORMLY SPREAD MULCH OVER THE FULL DIAMETER OF EACH PLANTING MULCH AREA. MULCH INCLUDES INITIAL INSTALLATION (3" DEPTH) PLUS RE-MULCHING (1.5" DEPTH MINIMUM) A MINIMUM ONCE PER YEAR DURING THE ESTABLISHMENT PERIOD.
- D. DO NOT PLACE MULCH AGAINST TRUNKS OR STEMS OF PLANTS.

HARDSCAPE NOTES

1. IN AREAS DESIGNATED ON THE PLANS, CONCRETE PAVERS SHALL BE PLACED WITHIN CURBED MEDIANS.
2. SUBMIT FULL SIZE SAMPLES AND SHOP DRAWINGS FOR PAVER GEOMETRY, COLOR, AND PAVING PATTERN OPTIONS. IT IS ANTICIPATED THAT 4"x8" (NOMINAL) PAVERS WILL BE UTILIZED. PATTERN SHALL BE RUNNING BOND, SEE DETAILS. ENGINEER AND DISTRICT LANDSCAPE ARCHITECT SHALL DIRECT FINAL SELECTION OF COLOR, GEOMETRY, AND PAVING PATTERN.
3. FURNISH AND INSTALL PAVERS AND BEDDING MATERIAL PER ASTM STANDARD C936.
4. ENSURE PAVERS ARE CONSISTENT IN COLOR, SIZE, AND APPEARANCE.
5. PAVERS SHALL BE PLACED ON SAND SETTING BED. PROVIDE CLEAN, NON-PLASTIC BEDDING AND JOINT SAND. JOINT SAND SHALL BE FREE OF FOREIGN MATTER AND SHALL MEET ASTM C144. BEDDING SHALL BE FREE OF FOREIGN MATTER AND MEET ASTM C33 STANDARD SPECIFICATION FOR CONCRETE AGGREGATE.
6. PRIOR TO INSTALLATION, PROVIDE MINIMUM 2FT X 3FT LENGTH MOCK-UP FOLLOWING THESE REQUIREMENTS FOR REVIEW AND APPROVAL BY THE ENGINEER AND DISTRICT LANDSCAPE ARCHITECT. MOCK-UP MAY BE INCORPORATED INTO THE WORK WITH THE ENGINEER'S APPROVAL.
7. SUBMIT A MINIMUM OF FIVE REPRESENTATIVE PHOTOS OF LIMESTONE BOULDERS. PHOTOS SHALL BE REPRESENTATIVE OF TYPICAL BOULDERS TO BE UTILIZED. INCLUDE CLEAR, HIGH RESOLUTION IMAGES WITH A LEGIBLE SCALE. PROVIDE DATES OF PHOTOGRAPHS AND SOURCE. PHOTOS MUST BE APPROVED BY THE ENGINEER PRIOR TO ANY DELIVERY TO SITE.
8. LIMESTONE BOULDERS SHALL BE PLACED AS SHOWN IN PLANS. BOULDERS SHALL MEASURE APPROX. 2'X3'X4' SEE DETAILS FOR INSTALLATION REQUIREMENTS.

ROOT EXCLUSION NOTES

1. **ROOT EXCLUSION FABRIC**
BIOBARRIER ROOT EXCLUSION FABRIC, AS MANUFACTURED BY TYPAR GEOSYNTHETICS SHALL BE UTILIZED WHERE SHOWN ON PLANS WHERE OAK TREES ARE TO BE PLANTED ABOVE OR NEAR POTABLE WATER OR SANITARY SEWER LINES. THE CITY OF DESTIN HAS REQUESTED THAT THIS PRODUCT BE USED.
2. *BIOBARRIER SHALL BE UTILIZED IN AREAS SHOWN ON PLANS TO PROTECT SANITARY SEWER AND POTABLE WATER LINES FROM POTENTIAL ROOT INTRUSION FROM PROPOSED TREES.*
3. *SEE DETAILS FOR SPECIFIC REQUIREMENTS FOR BIOBARRIER INSTALLATION.*

4. DESTIN WATER USERS (DWU) IS THE OWNER OF SANITARY SEWER AND POTABLE WATER UTILITIES. CONTACT DWU FIELD OPERATIONS MANAGER (850) 837-6146 PRIOR TO EXCAVATION. PROVIDE MINIMUM 3 WORKING DAYS ADVANCE NOTICE PRIOR TO EXCAVATION.

ESTABLISHMENT PERIOD MAINTENANCE NOTES

(TO COMMENCE AFTER FINAL ACCEPTANCE OF THE INSTALLATION PERIOD)

PERFORM THE FOLLOWING OPERATIONS DURING THE ESTABLISHMENT PERIOD. CONTRACTOR TO ASSUME RESPONSIBILITY FOR THE PROPER MAINTENANCE, SURVIVAL, AND CONDITION OF ALL NEWLY INSTALLED LANDSCAPE ITEMS UNDER THIS CONTRACT WITHIN THE HIGHLIGHTED AREAS DEPICTED ON THE CONTINUING MAINTENANCE PLAN. THE FOLLOWING IS AN OUTLINE OF STATE STANDARD MINIMUM MAINTENANCE ACTIVITIES.

1. **MOWING**
AT A MINIMUM, MOW ALL NEWLY PLANTED SOD MONTHLY. MOW TO A HEIGHT OF 2".
2. **FERTILIZER**
APPLY 2 TIMES PER YEAR (MARCH AND SEPTEMBER) OR AS DIRECTED BY THE ENGINEER.
3. **EDGE** ON A REGULAR BASIS, A MINIMUM OF 12 TIMES PER YEAR, TO COINCIDE WITH THE MAINTENANCE SCHEDULE. WHERE TURF ABUTS MULCH OR CURB, EDGE WITH A MECHANICAL EDGER. TAKE CARE NOT TO SCAR OR DAMAGE HARDSCAPE. KEEP ALL MULCH INSTALLED UNDER THIS CONTRACT CLOSURE AND WELL DEFINED IN ORDER TO PREVENT ENCROACHMENT BY TURF GRASSES.
4. **WEED CONTROL**
WEED NEWLY MULCHED AND SODDED AREAS ON A ROUTINE BASIS TO MAINTAIN A WEED-FREE CONDITION. IMMEDIATELY REMOVE WEEDS FROM THESE AREAS USING HAND TOOLS. HERBICIDES MAY BE UTILIZED IN PROBLEM AREAS. APPLY HERBICIDES WITH EXTREME CAUTION TO PREVENT POTENTIAL DAMAGE TO LANDSCAPE. A MINIMUM OF THREE PRE-EMERGENT HERBICIDE APPLICATIONS PER YEAR WILL BE REQUIRED.
5. **HERBICIDE/PESTICIDE**
 - A. REMOVE ALL INVASIVE, EXOTIC SPECIES (PER FLORIDA EXOTIC PEST PLANT COUNCIL CAT. 1 & 2 LISTS).
 - B. PROVIDE PLANT MATERIAL INSECT AND DISEASE CONTROL INSPECTIONS CONTINUALLY AND TREAT AS NECESSARY.

6. PRUNING
HAND PRUNING, NOT SHEARING TO BE THE PRIMARY METHOD OF SHAPE AND SIZE CONTROL AND ACCOMPLISHED UNDER THE SUPERVISION OF AN INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST WITH A MINIMUM 5 YEARS EXPERIENCE ON SIMILAR PROJECTS TO ENSURE THIS FUNCTION IS IN ACCORDANCE WITH RECOMMENDED HORTICULTURAL PRACTICES.

PERFORM SELECTIVE HAND PRUNING AS NECESSARY ON ALL TREES, SHRUBS, AND GROUNDCOVERS IN ORDER TO MAINTAIN THE NATURAL HABIT OF THE PLANT IN A FLORIDA #1 CONDITION AND ENSURE HEALTH AND VIGOR THROUGHOUT THE ESTABLISHMENT PERIOD. REVIEW AT EACH MAINTENANCE VISIT. MAINTAIN ONE DOMINANT LEADER IN CANOPY TREES.

GRAPE MYRTLE TREES MAY BE TIP PRUNED DURING THE GROWING SEASON (CUTS THROUGH SMALLER DIAMETER BRANCHES 1 YEAR OLD OR LESS). POLLARDING (ANNUAL REMOVAL OF ALL SPROUTS) AND TOPPING (REMOVAL OF LARGE DIAMETER WOOD) ARE NOT ACCEPTABLE PRUNING METHODS. REMOVE CROSS BRANCHING ANNUALLY.

PRUNE ALL PLANT MATERIAL AS NEEDED TO ENSURE COMPLIANCE WITH MRP REQUIREMENTS.

7. **MULCH**
MAINTAIN MULCH AT A 3" COMPRESSED DEPTH. RE-MULCH AS NEEDED (A MINIMUM OF ONCE PER YEAR, 1.5" DEPTH MINIMUM). SPREAD MULCH EVENLY. DO NOT PLACE MULCH AGAINST TRUNKS OR STEMS OF PLANTS.
 - A. FOR AREAS PLANTED WITH MINIMA JASMINE OR CONFEDERATE JASMINE, MULCH SHALL BE PINE BARK NUGGET FINES, 1/2" OR SMALLER.
 - B. FOR OTHER PLANT BEDS AND INDIVIDUAL TREE RINGS, MULCH SHALL BE SHREDDED PINE BARK.
 - C. FOR THIN MEDIANS NOT PLANTED AND IRRIGATED, CRUSHED SHELL SHALL BE USED.
8. **SPECIAL CARE REQUIREMENTS**
PROTECT HARDSCAPE ELEMENTS FROM DAMAGE DURING MAINTENANCE ACTIVITIES. ENSURE AREAS ADJACENT TO MAINTENANCE ACTIVITIES ARE CLEANED AND SWEEPED AFTER EACH MAINTENANCE VISIT. MAINTAIN CONCRETE PAVERS WEED-FREE. RE-SAND JOINTS A MINIMUM OF EVERY 6 MONTHS. CLEAN AS REQUIRED TO REMOVE STAINS/DISCOLORATION.
9. **LITTER PICK-UP**
ENSURE LITTER PICKUP WITHIN NEWLY PLANTED, MULCHED, SODDED AND PAVER AREAS INCLUDING THE FULL EXTENT OF MEDIANS, AT EACH MAINTENANCE VISIT.
10. **IRRIGATION SYSTEM**
INSPECT IRRIGATION SYSTEM AT EACH MAINTENANCE VISIT. OBSERVE IN OPERATION AND MAKE NECESSARY ADJUSTMENTS/REPAIRS. REVIEW AND ADJUST WATERING SCHEDULES SEASONALLY AS NEEDED (A MINIMUM OF 4 TIMES PER YEAR). REMOVE ABOVE GROUND IRRIGATION COMPONENTS AT THE END OF THE ESTABLISHMENT PERIOD. IN-GROUND COMPONENTS MAY BE ABANDONED IN PLACE.
11. **STAKING**
MAINTAIN ALL STAKING DURING THE FIRST YEAR OF THE ESTABLISHMENT PERIOD.
REMOVE ALL STAKING AT THE END OF THE FIRST YEAR OF THE ESTABLISHMENT PERIOD.
12. **EARTH SAUCER**
REMOVE, GRADE SMOOTH, AND RE-MULCH SOIL RINGS AT TREES AT THE END OF THE FIRST YEAR OF THE ESTABLISHMENT PERIOD.

REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE NOTES	SHEET NO.
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CONTINUING MAINTENANCE PLAN NOTES

(TO COMMENCE AT THE CONCLUSION OF THE ESTABLISHMENT PERIOD, NOT INCLUDED IN CONTRACTOR BID)

1.

MOWING
AT A MINIMUM, MOW ALL NEWLY PLANTED SOD MONTHLY. MOW TO A HEIGHT OF 2". DO NOT ALLOW SOD TO EXCEED 4" HEIGHT.
2.

FERTILIZER
APPLY 2 TIMES PER YEAR (MARCH AND SEPTEMBER) OR AS DIRECTED BY THE ENGINEER.
3.

EDGING
EDGE ON A REGULAR BASIS, A MINIMUM OF 12 TIMES PER YEAR, TO COINCIDE WITH THE MAINTENANCE SCHEDULE. WHERE TURF ABUTS MULCH OR CURB, EDGE WITH A MECHANICAL EDGER. TAKE CARE NOT TO SCAR OR DAMAGE HARDSCAPE. KEEP ALL MULCH INSTALLED UNDER THIS CONTRACT CLEAN AND WELL DEFINED IN ORDER TO PREVENT ENCROACHMENT BY TURF GRASSES.
4.

WEED CONTROL
WEED MULCHED AND SODDED AREAS ON A ROUTINE BASIS TO MAINTAIN A WEED-FREE CONDITION. IMMEDIATELY REMOVE WEEDS FROM THESE AREAS USING HAND TOOLS. HERBICIDES MAY BE UTILIZED IN PROBLEM AREAS. APPLY HERBICIDES WITH EXTREME CAUTION TO PREVENT POTENTIAL DAMAGE TO LANDSCAPE. A MINIMUM OF THREE PRE-EMERGENT HERBICIDE APPLICATIONS PER YEAR WILL BE REQUIRED.
5.

HERBICIDE/PESTICIDE

A. REMOVE ALL INVASIVE, EXOTIC SPECIES (PER FLORIDA EXOTIC PEST PLANT COUNCIL CAT. 1 & 2 LISTS).

B. PROVIDE PLANT MATERIAL INSECT AND DISEASE CONTROL INSPECTIONS CONTINUALLY AND TREAT AS NECESSARY.
6.

PRUNING
HAND PRUNING, NOT SHEARING TO BE THE PRIMARY METHOD OF SHAPE AND SIZE CONTROL AND ACCOMPLISHED UNDER THE SUPERVISION OF AN INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST WITH A MINIMUM 5 YEARS EXPERIENCE ON SIMILAR PROJECTS TO ENSURE THIS FUNCTION IS IN ACCORDANCE WITH RECOMMENDED HORTICULTURAL PRACTICES.

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7.

MULCH
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A. FOR AREAS PLANTED WITH MINIMA JASMINE OR CONFEDERATE JASMINE, MULCH SHALL BE PINE BARK NUGGET FINES, ½" OR SMALLER.

B. FOR OTHER PLANT BEDS AND INDIVIDUAL TREE RINGS, MULCH SHALL BE SHREDDED PINE BARK.
8.

SPECIAL CARE REQUIREMENTS
PROTECT HARDSCAPE ELEMENTS DURING MAINTENANCE ACTIVITIES FROM DAMAGE. ENSURE AREAS ADJACENT TO MAINTENANCE ACTIVITIES ARE CLEANED AND SWEEPED AFTER EACH MAINTENANCE VISIT. MAINTAIN CONCRETE PAVERS WEED-FREE. RE-SAND JOINTS A MINIMUM OF EVERY 6 MONTHS. CLEAN AS REQUIRED TO REMOVE STAINS/DISCOLORATION.
9.

LITTER PICK-UP
ENSURE LITTER PICKUP WITHIN PLANTED, MULCHED, AND SODDED AREAS INCLUDING THE FULL EXTENT OF MEDIANS, AT EACH MAINTENANCE VISIT.
10.

IRRIGATION SYSTEM
INSPECT IRRIGATION SYSTEM AT EACH MAINTENANCE VISIT. OBSERVE IN OPERATION AND MAKE NECESSARY ADJUSTMENTS/REPAIRS. REVIEW AND ADJUST WATERING SCHEDULES SEASONALLY AS NEEDED, A MINIMUM OF 4 TIMES PER YEAR.
11.

LANE CLOSURES (TRAVEL LANES, TURN LANES AND MEDIAN OPENINGS) ARE PROHIBITED BETWEEN THE HOURS OF 5:30 AM TO 9:00 PM MONDAY THROUGH THURSDAY AND FROM FRIDAY AT 5:30 AM TO 9:00 PM SUNDAY.
12.

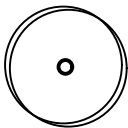
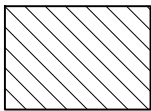
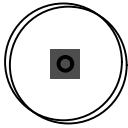
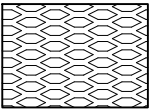
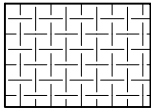
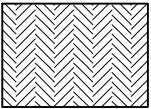
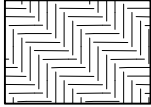
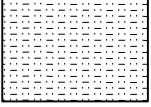
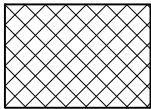
ALL LANES MUST BE REOPENED TO NORMAL TRAFFIC WITHIN 12 HOURS OF AN EVACUATION NOTICE FOR A HURRICANE OR ANY OTHER EMERGENCY EVENT AND SHALL REMAIN OPEN UNTIL OTHERWISE DIRECTED BY THE ENGINEER.

13. SPECIAL EVENTS FOR THIS PROJECT INCLUDE:

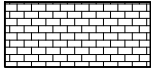
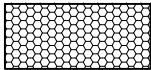
SPRING BREAK (MARCH 12-28)
OPEN HOUSE AND AIR SHOW (APRIL)
BILLY BOWLEGS PIRATE FESTIVAL (SUMMER)
GREEK FESTIVAL (SEPTEMBER)
SEAFOOD FESTIVAL-DESTIN (SEPTEMBER/OCTOBER)
MARDI GRAS ON THE ISLAND (FEBRUARY)
DESTIN MARATHON (FEBRUARY)
RED CROSS RUN (AUGUST)

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PLANT SYMBOLS:

	(IV) ILEX VOMITORIA – YAUPON HOLLY		(QV) QUERCUS VIRGINIANA – SOUTHERN LIVE OAK
	(IC) ILEX CORNUTA ‘BURFORDII NANA’ – DWARF BURFORD HOLLY (30” O.C.)		(QV) QUERCUS VIRGINIANA – SOUTHERN LIVE OAK (WITH 3’X3’ BIOBARRIER)
	(LM) LIRIOPE MUSCARI ‘EMERALD GODDESS’ – EMERALD GODDESS LIRIOPE (18” O.C.)		(TA) TRACHELOSPERMUM ASIATICUM ‘MINIMA’ – MINIMA JASMINE (18” O.C.)
	(LC) LOROPETALUM CHINENSE ‘PURPLE PIXIE’ – DWARF LOROPETALUM (24” O.C.)		(TC) TRACHELOSPERMUM JASMINOIDES ‘VARIEGATUM’ – VARIEGATED CONFEDERATE JASMINE (18” O.C.)
	(PQ) PASPALUM QUADRIFARIUM – CROWNGRASS (48” O.C.)		(YF) YUCCA FILAMENTOSA ‘COLOR GUARD’ – VARIEGATED ADAM’S NEEDLE AND 2ND SPECIES (VARIES), SEE DETAILS AND PLANS
	(RF) RHODODENDRON X ‘FASHION’ – FASHION AZALEA (30” O.C.)		(ZE) ZOYSIA JAPONICA ‘EMPIRE’ – EMPIRE ZOYSIA GRASS

LEGEND

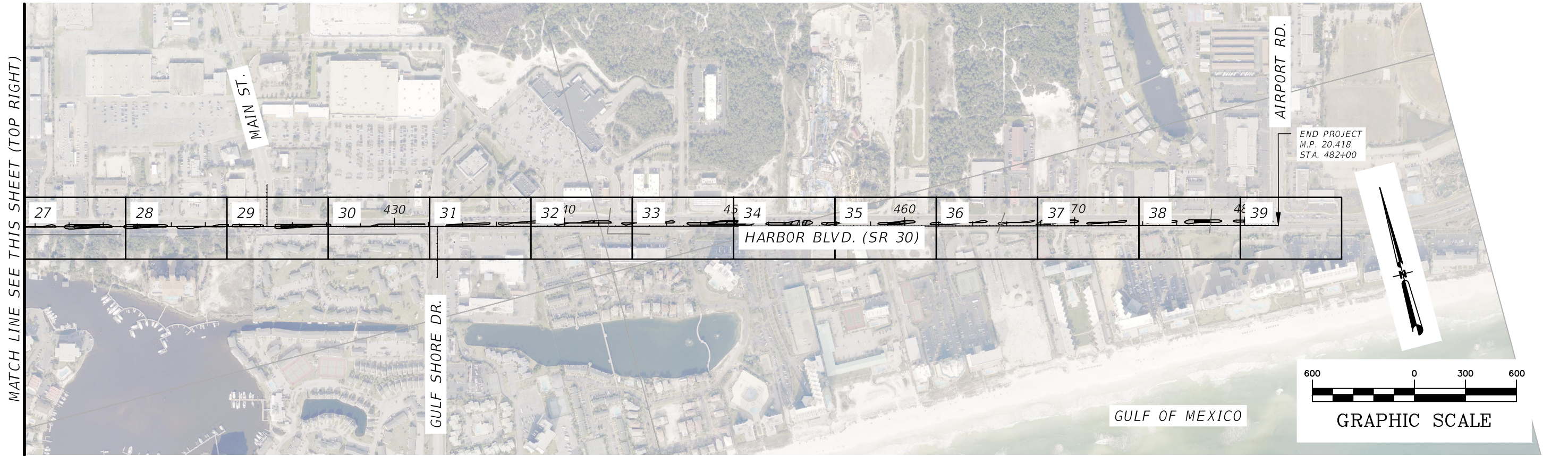
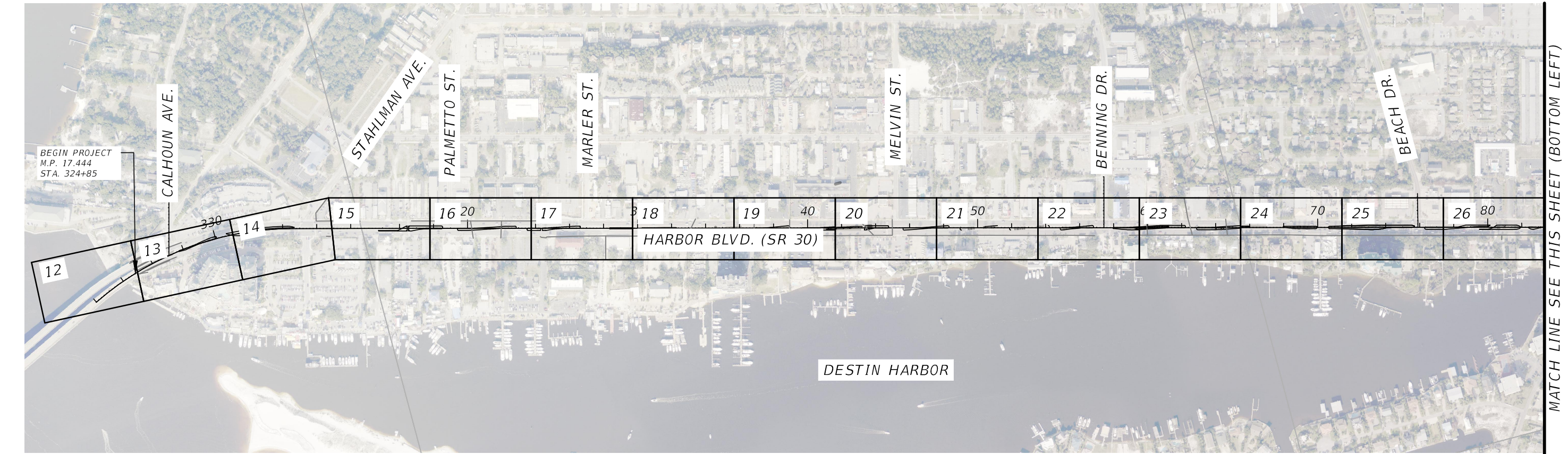
	MEDIAN NUMBER		EXISTING CRAPE MYRTLE TO REMAIN
	CONCRETE PAVERS		EXISTING CRAPE MYRTLE TO BE REMOVED
	EXISTING ASPHALT		EXISTING LIGUSTRUM TO BE REMOVED
	TOPSOIL BENEATH OAK TREES		EXISTING SABAL PALM TO BE REMOVED
	TOPSOIL BENEATH CRAPE MYRTLE TREES AND/OR SOD		
	LIMESTONE BOULDER		

ABBREVIATIONS:

AC = ACRE
CAL = CALIPER
CONT= CONTAINER
CT = CLEAR TRUNK
FG = FIELD GROWN
GAL = GALLON
HT = HEIGHT
MAX = MAXIMUM
MIN = MINIMUM
NWL = NORMAL WATER LINE
OAH = OVERALL HEIGHT
OC = ON CENTER
SPR = SPREAD
TYP = TYPICAL

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James S. Gilman, RLA
LA# 1628
AECOM Technical Services, Inc
7650 West Courtney Campbell Causeway
Tampa, FL 33607-1462

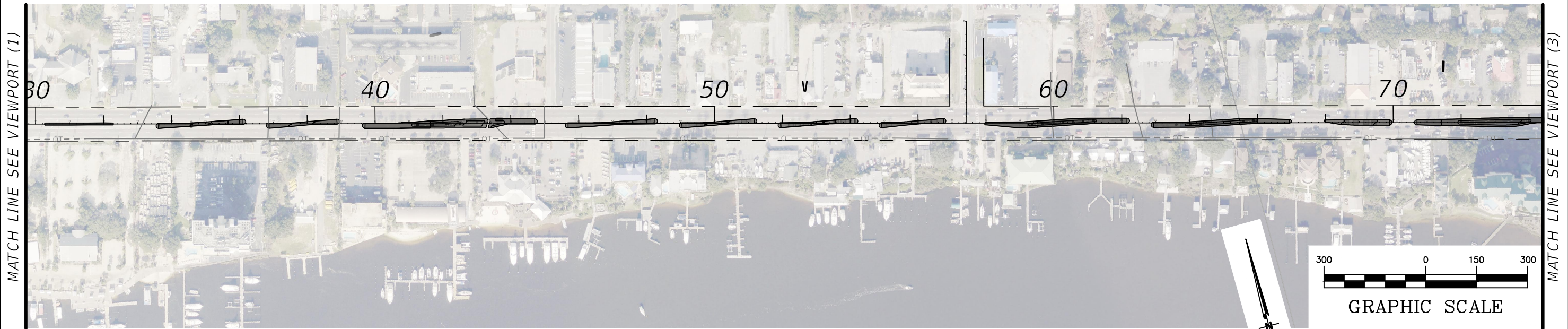
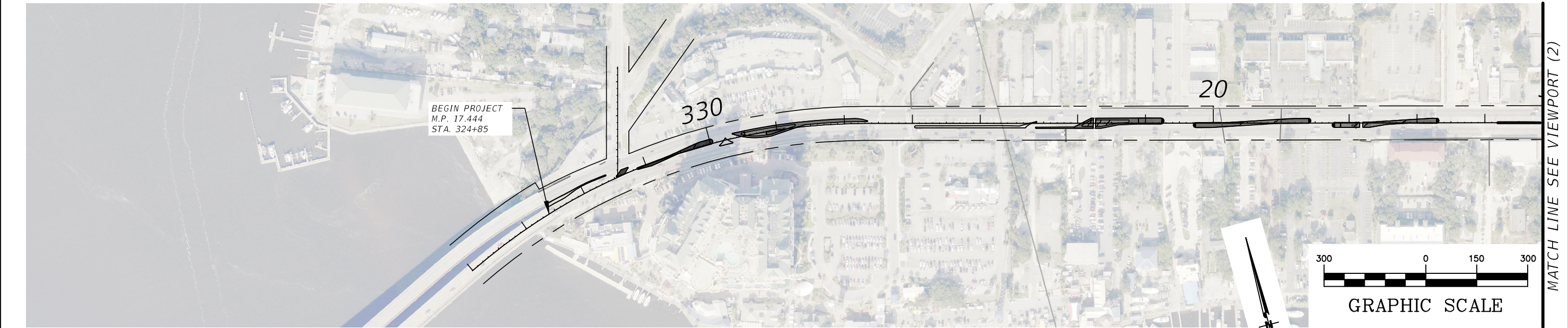


REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT	SHEET NO.
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					SR 30	OKALOOSA	445907-1-52-01		9

MATCH LINE SEE THIS SHEET (TOP RIGHT)

MATCH LINE SEE THIS SHEET (BOTTOM LEFT)

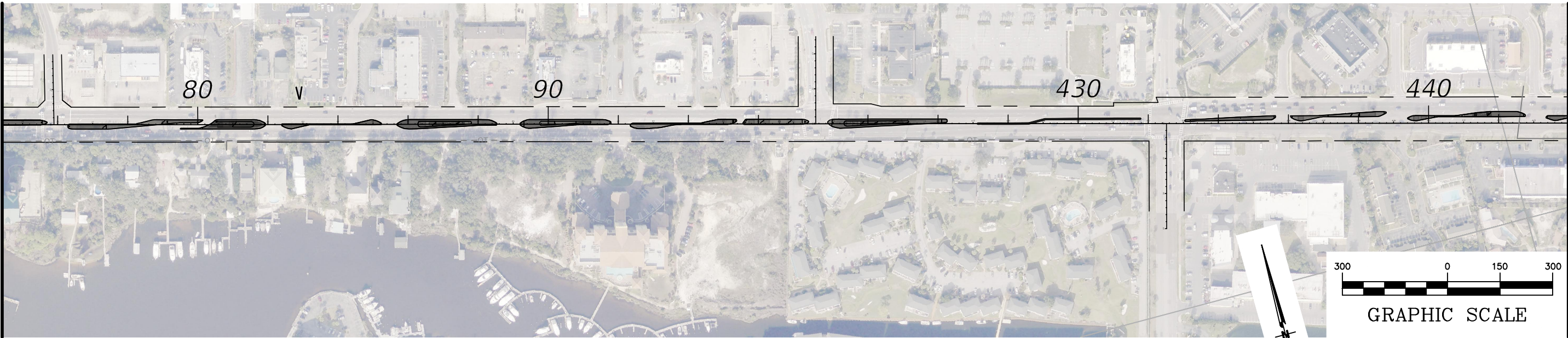
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MAINTENANCE AREA LIMITS

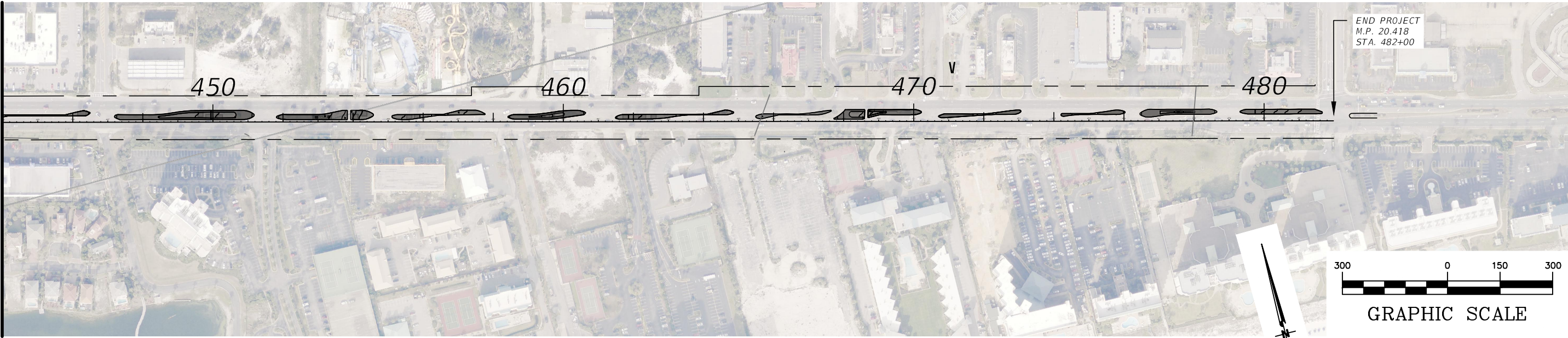
REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			MAINTENANCE AREA LIMITS	SHEET NO.
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MATCH LINE SEE VIEWPORT (2)



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MATCH LINE SEE VIEWPORT (3)



 MAINTENANCE AREA LIMITS

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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.



NOTE: REMOVE ALL SHRUBS, GROUND COVER, AND TURF FROM MEDIANS EXCEPT WHERE NOTED OTHERWISE ON PLANS.

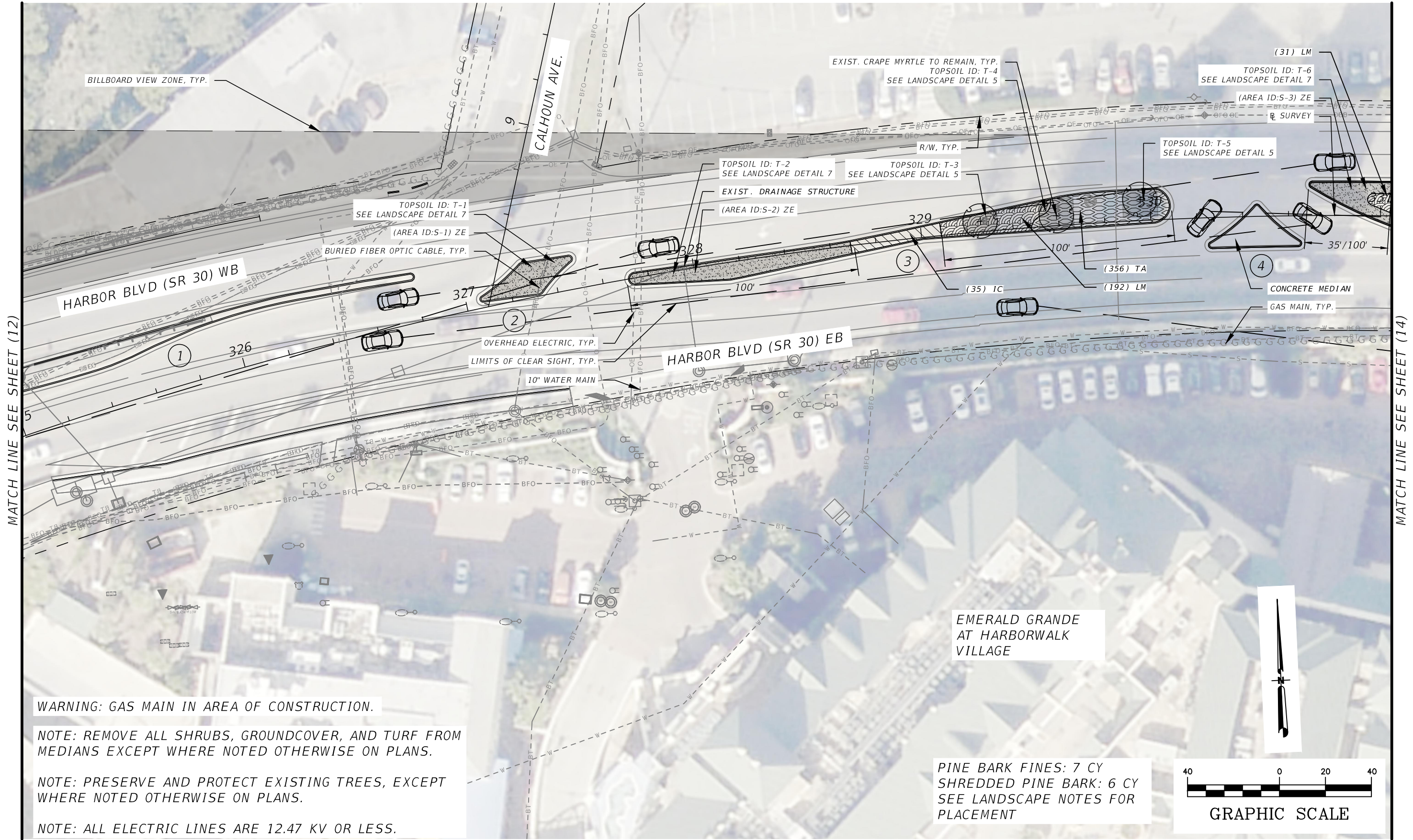
NOTE: PRESERVE AND PROTECT EXISTING TREES, EXCEPT WHERE NOTED OTHERWISE ON PLANS.

NOTE: ALL ELECTRIC LINES ARE 12.47 KV OR LESS.

REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO.
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					SR 30	OKALOOSA	445907-1-52-01		

MATCH LINE SEE SHEET (12)

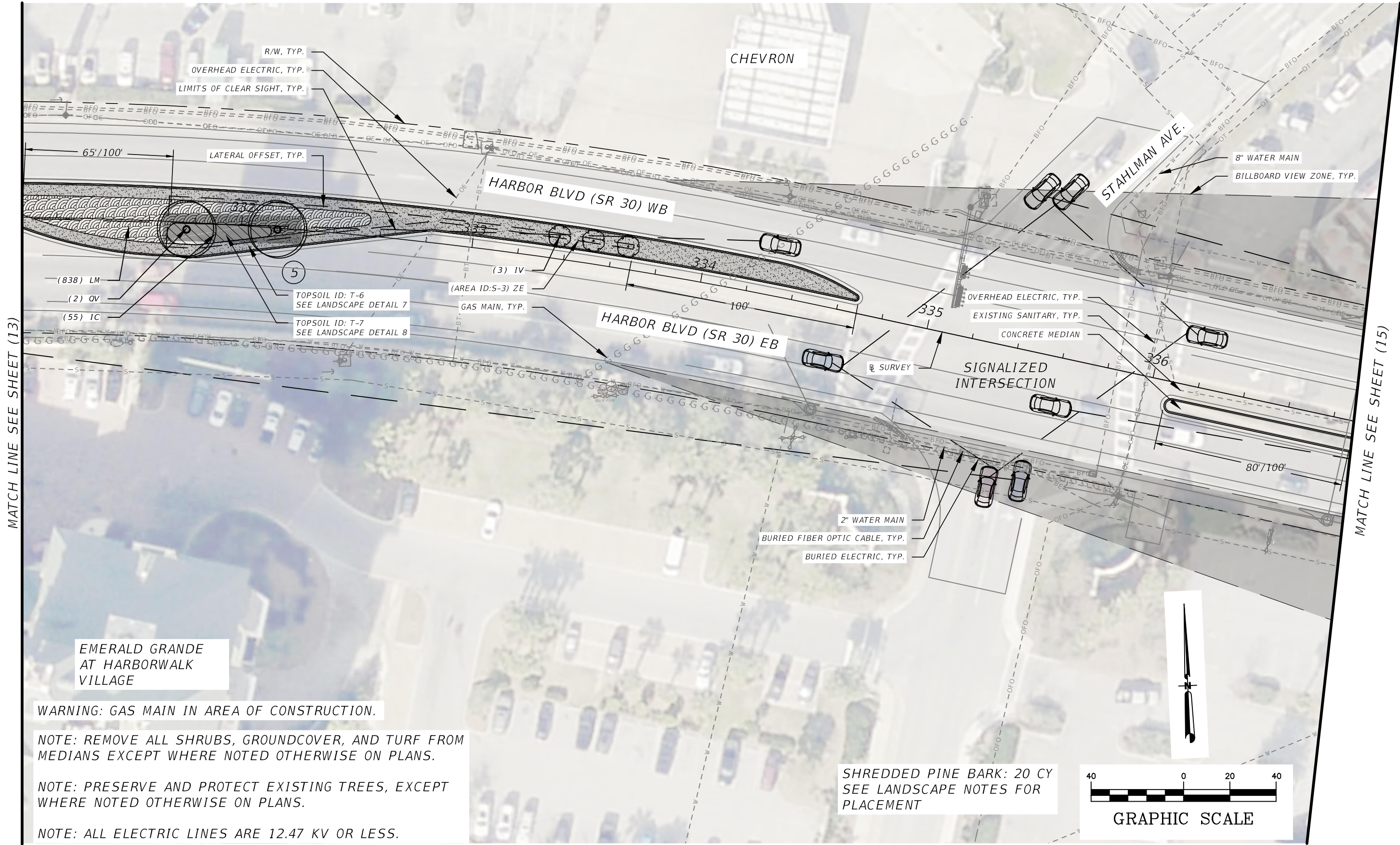
MATCH LINE SEE SHEET (14)



REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO. 13
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		

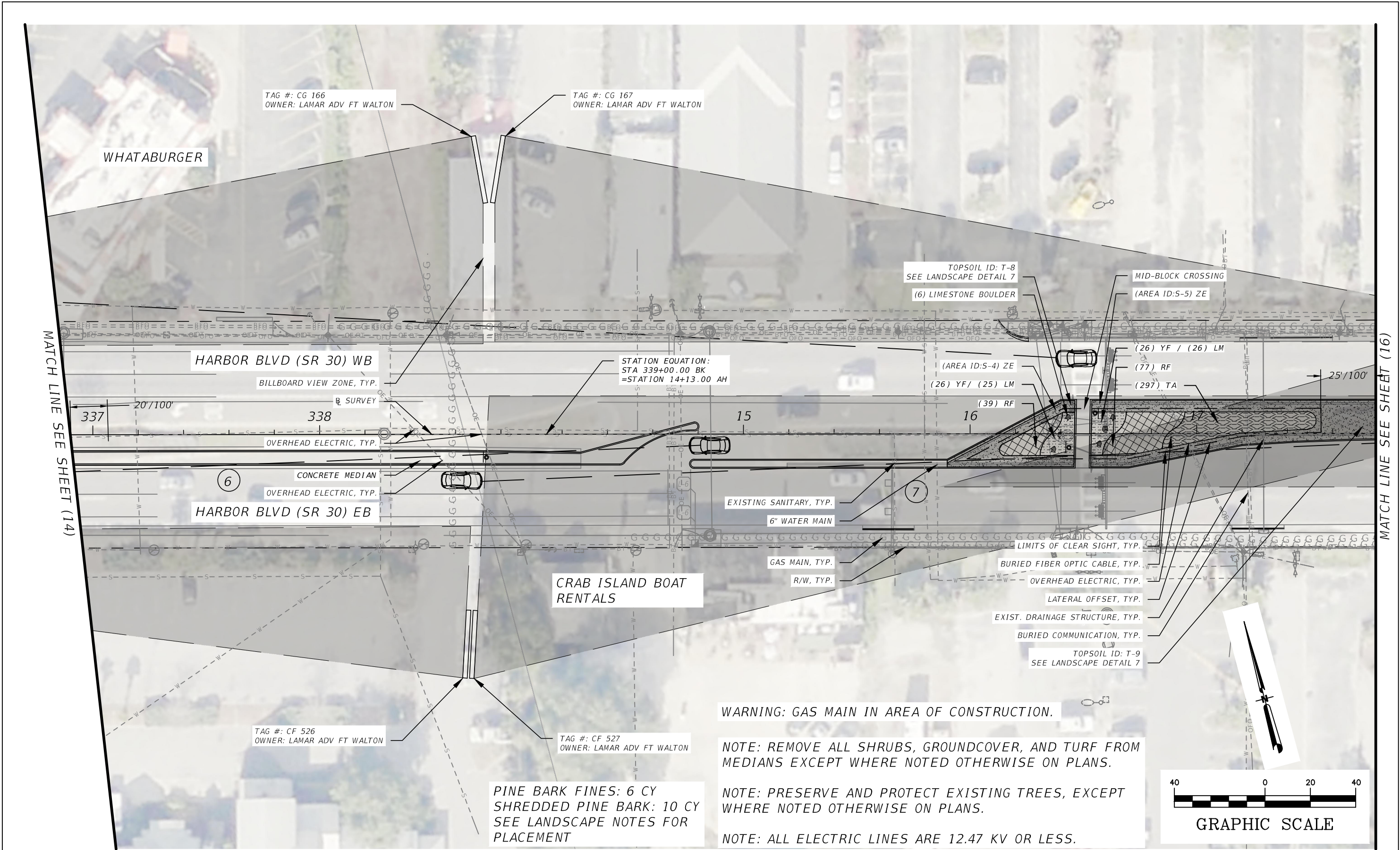
MATCH LINE SEE SHEET (13)

MATCH LINE SEE SHEET (15)



REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO. 14
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		

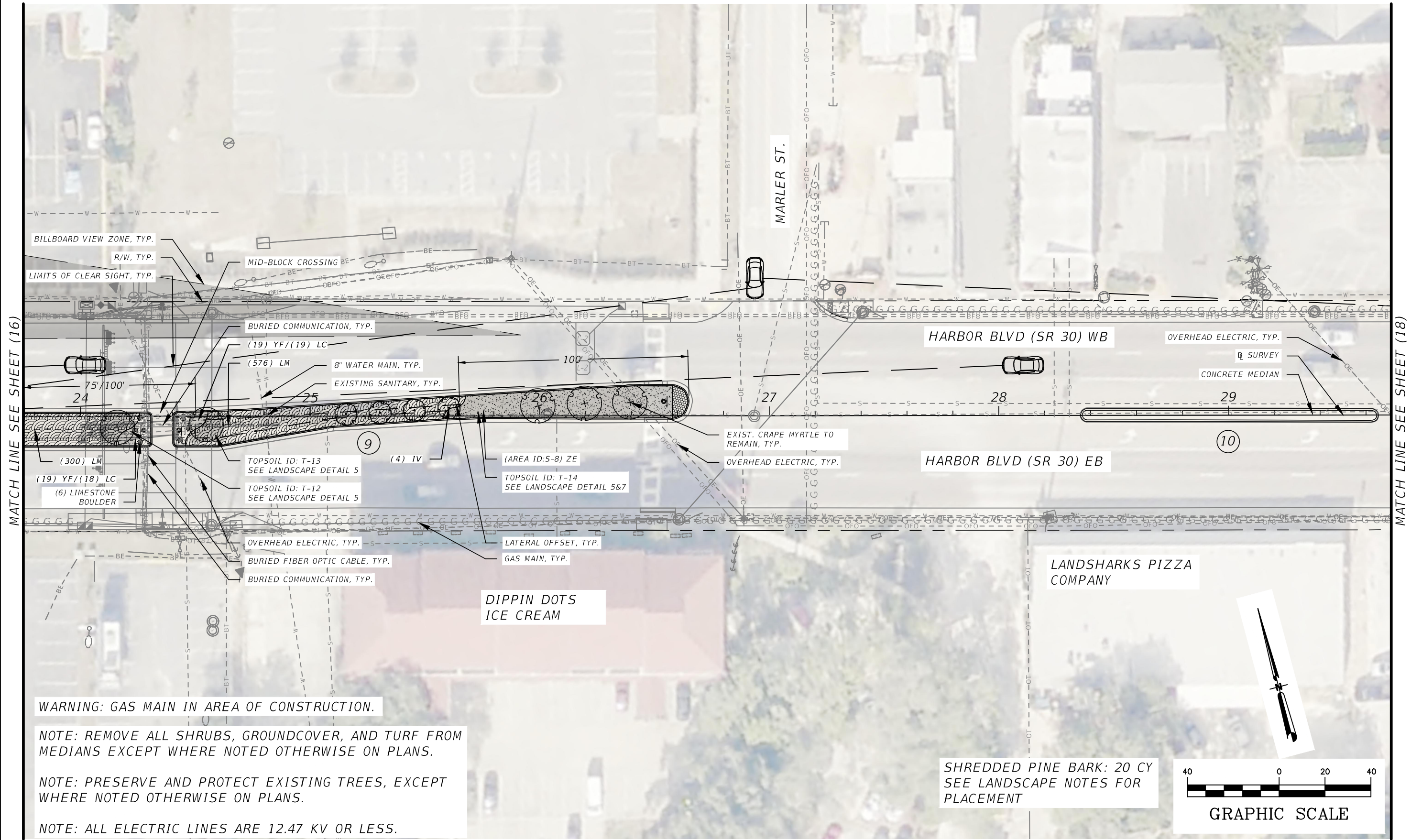
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.



REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO. 15
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		

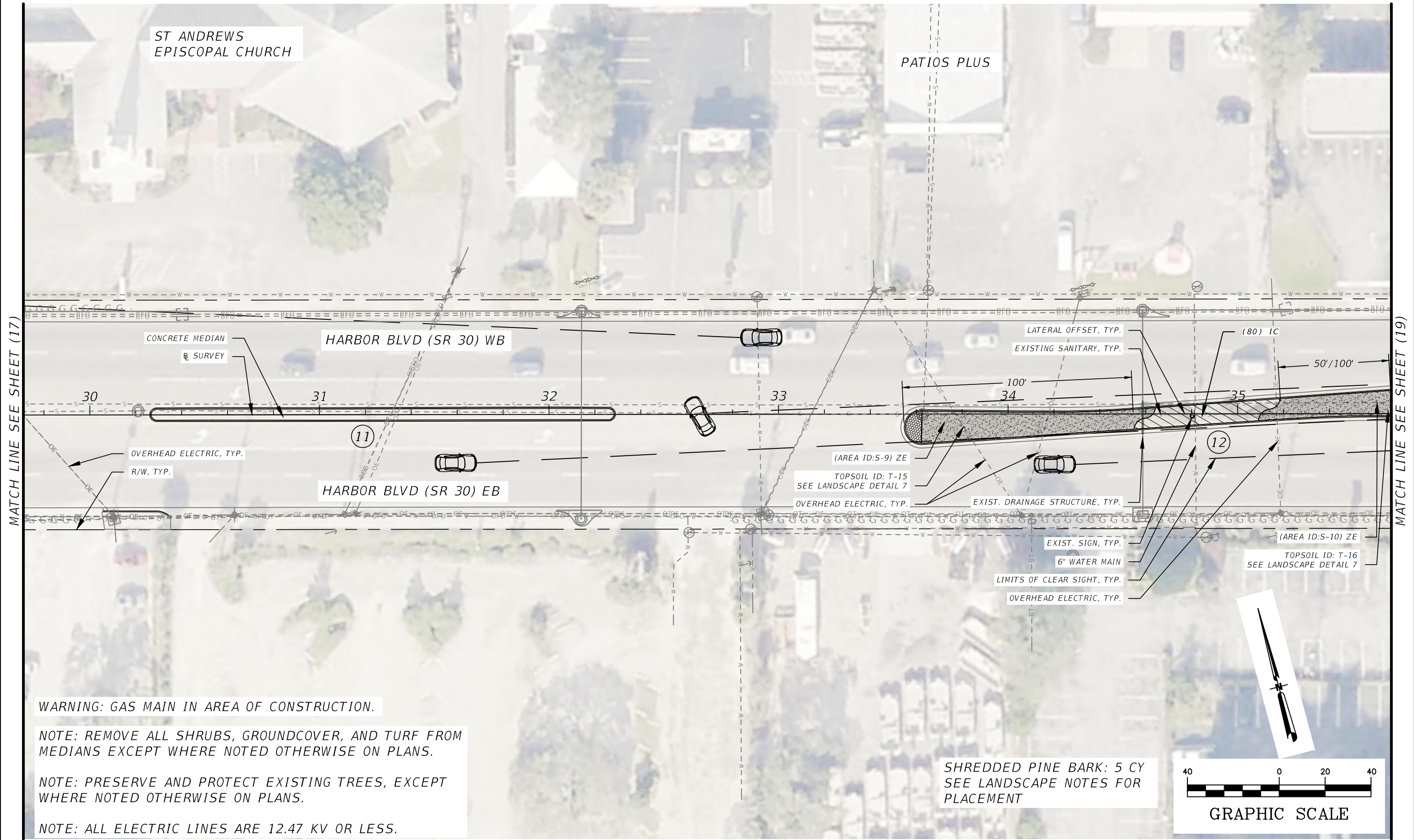
MATCH LINE SEE SHEET (16)

MATCH LINE SEE SHEET (18)



REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO. 17
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.



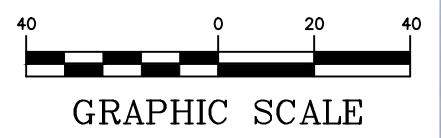
WARNING: GAS MAIN IN AREA OF CONSTRUCTION.

NOTE: REMOVE ALL SHRUBS, GROUNDCOVER, AND TURF FROM MEDIAN EXCEPT WHERE NOTED OTHERWISE ON PLANS.

NOTE: PRESERVE AND PROTECT EXISTING TREES, EXCEPT WHERE NOTED OTHERWISE ON PLANS.

NOTE: ALL ELECTRIC LINES ARE 12.47 KV OR LESS.

SHREDDED PINE BARK: 5 CY
SEE LANDSCAPE NOTES FOR
PLACEMENT

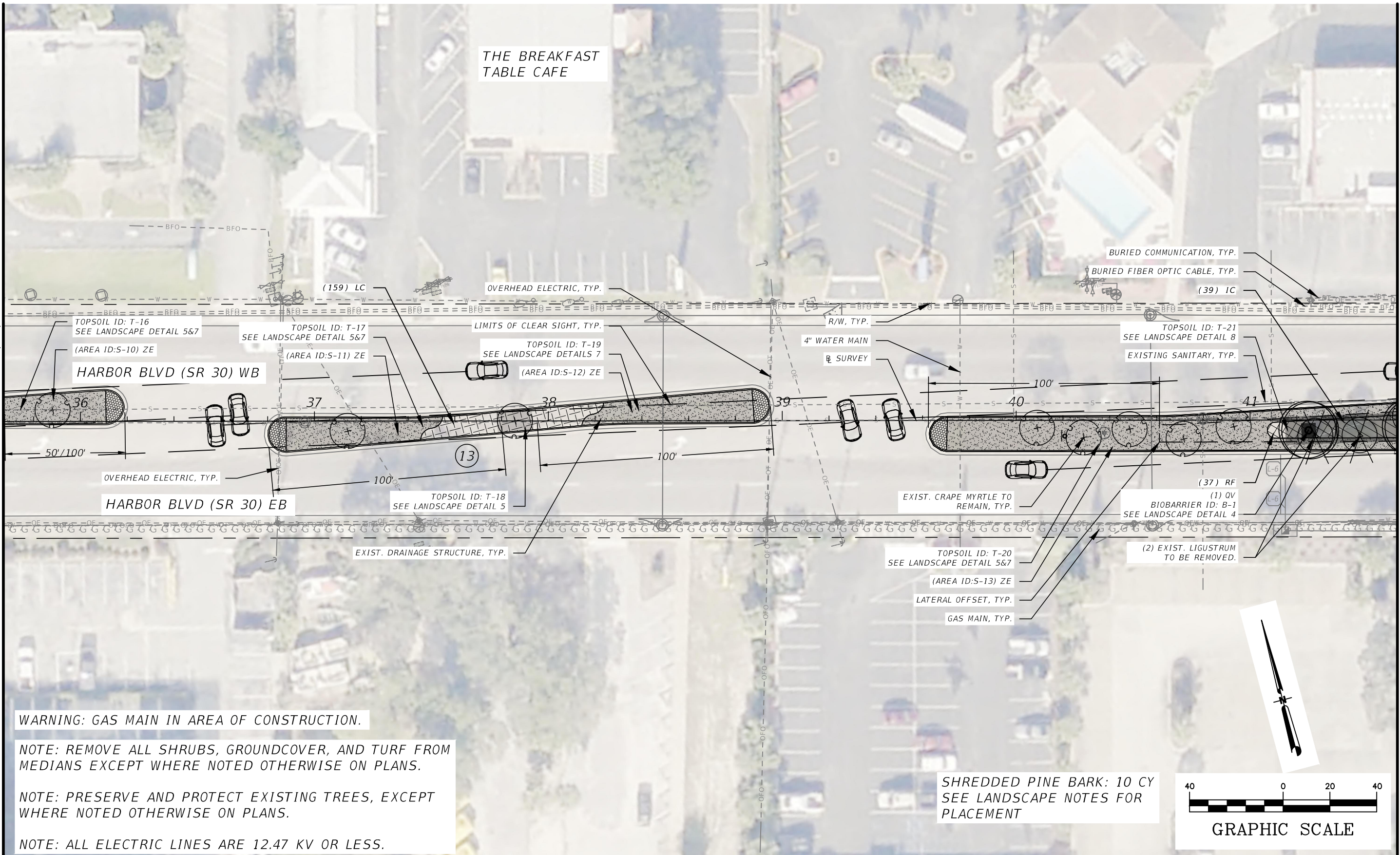


REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO. 18
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.

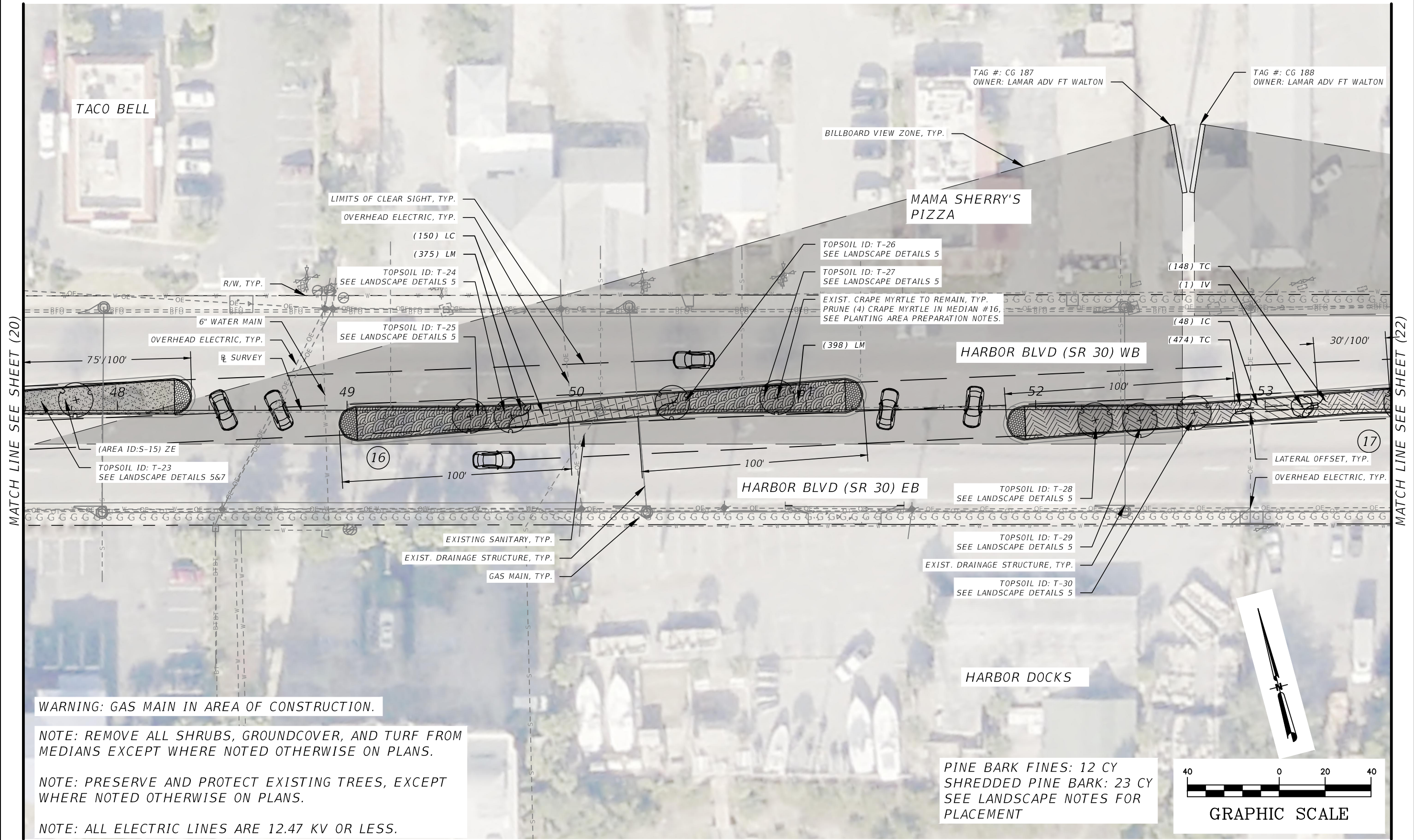
MATCH LINE SEE SHEET (18)

MATCH LINE SEE SHEET (20)



REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		19

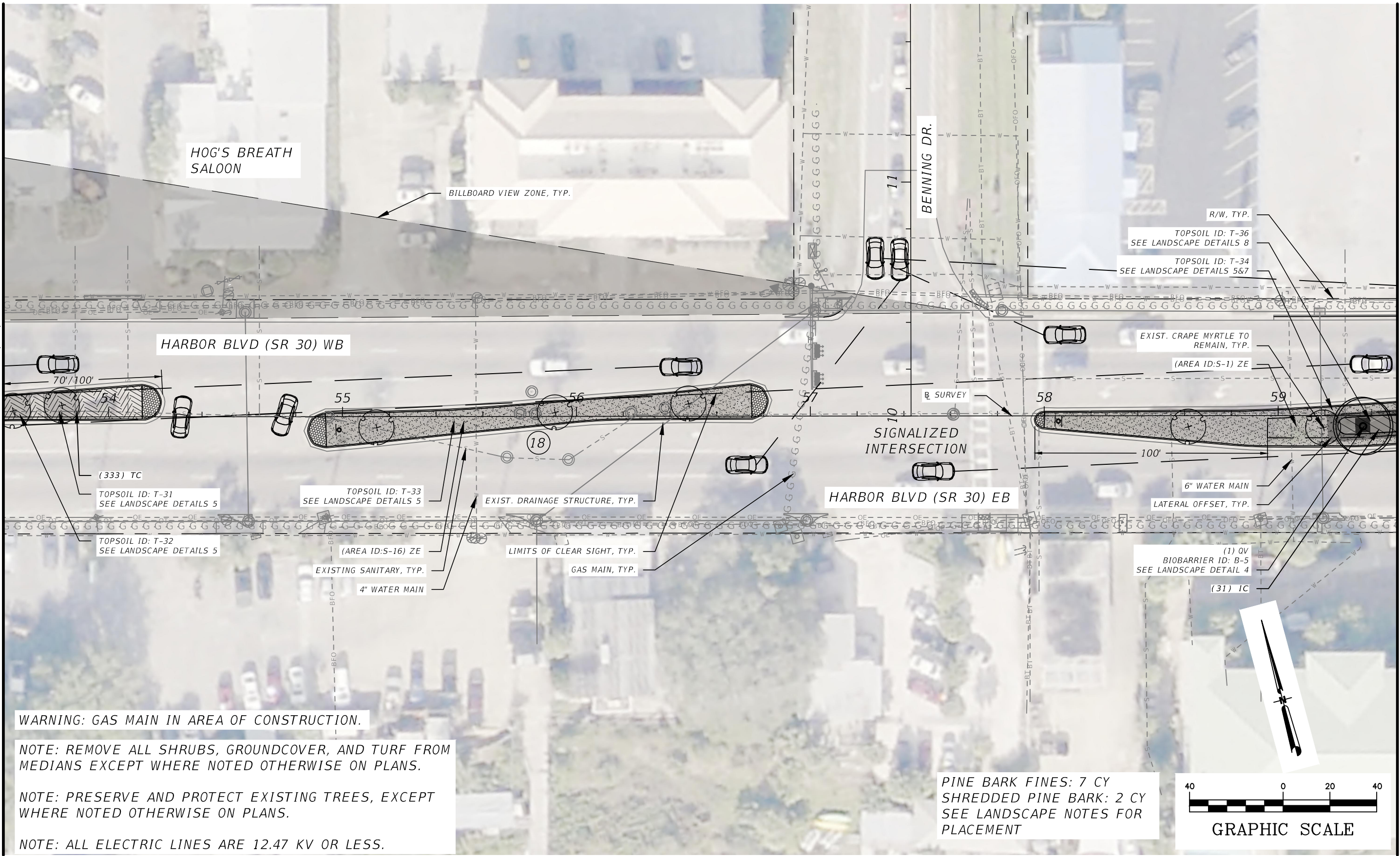
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.

MATCH LINE SEE SHEET (21)

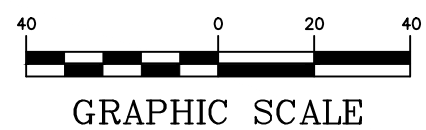
MATCH LINE SEE SHEET (23)



WARNING: GAS MAIN IN AREA OF CONSTRUCTION.

- NOTE: REMOVE ALL SHRUBS, GROUNDCOVER, AND TURF FROM MEDIANS EXCEPT WHERE NOTED OTHERWISE ON PLANS.
- NOTE: PRESERVE AND PROTECT EXISTING TREES, EXCEPT WHERE NOTED OTHERWISE ON PLANS.
- NOTE: ALL ELECTRIC LINES ARE 12.47 KV OR LESS.

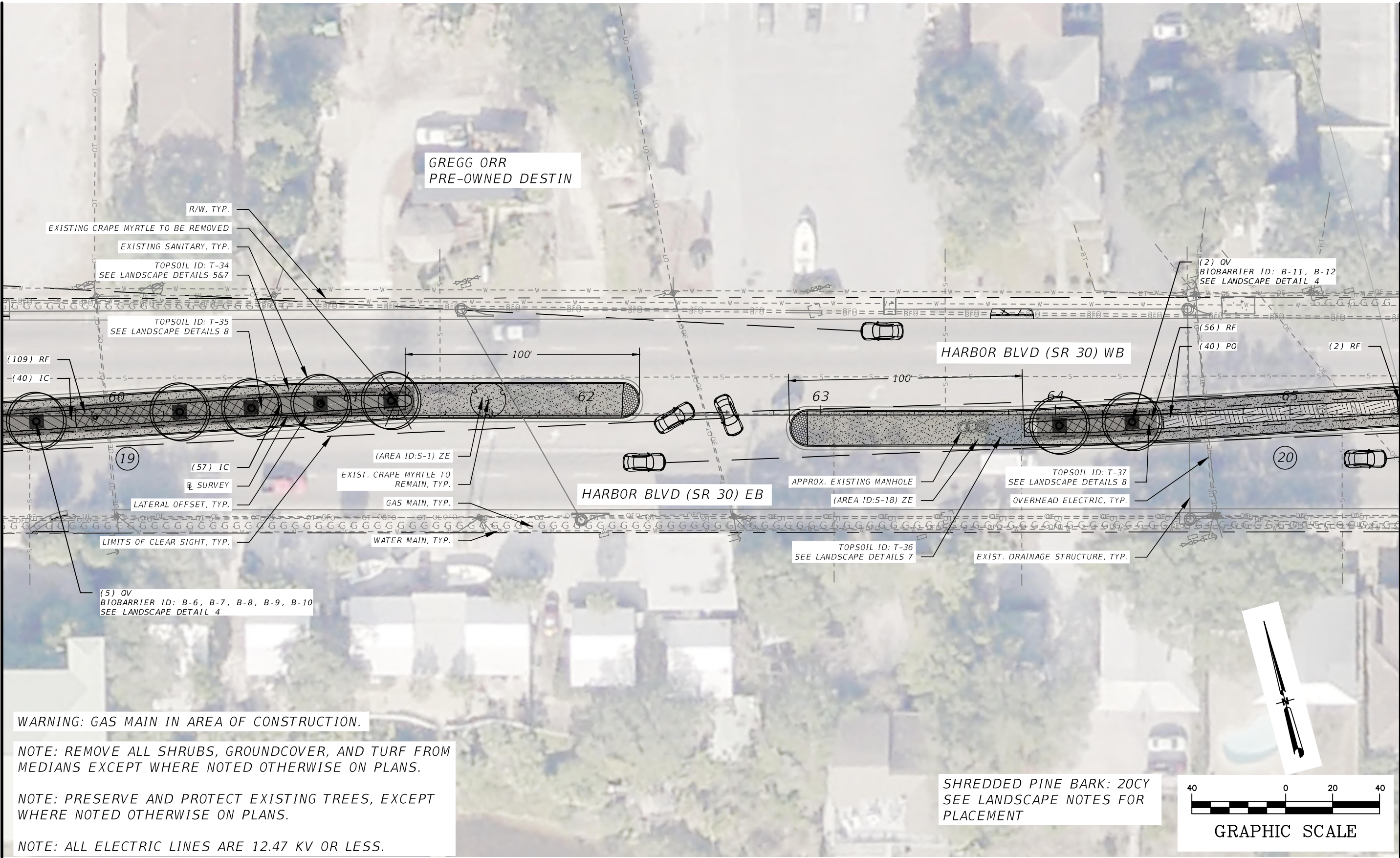
PINE BARK FINES: 7 CY
SHREDDED PINE BARK: 2 CY
SEE LANDSCAPE NOTES FOR PLACEMENT



REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO. 22
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		

MATCH LINE SEE SHEET (22)

MATCH LINE SEE SHEET (24)



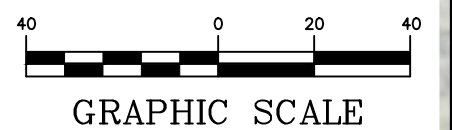
WARNING: GAS MAIN IN AREA OF CONSTRUCTION.

NOTE: REMOVE ALL SHRUBS, GROUNDCOVER, AND TURF FROM MEDIANS EXCEPT WHERE NOTED OTHERWISE ON PLANS.

NOTE: PRESERVE AND PROTECT EXISTING TREES, EXCEPT WHERE NOTED OTHERWISE ON PLANS.

NOTE: ALL ELECTRIC LINES ARE 12.47 KV OR LESS.

SHREDDED PINE BARK: 20CY
SEE LANDSCAPE NOTES FOR
PLACEMENT

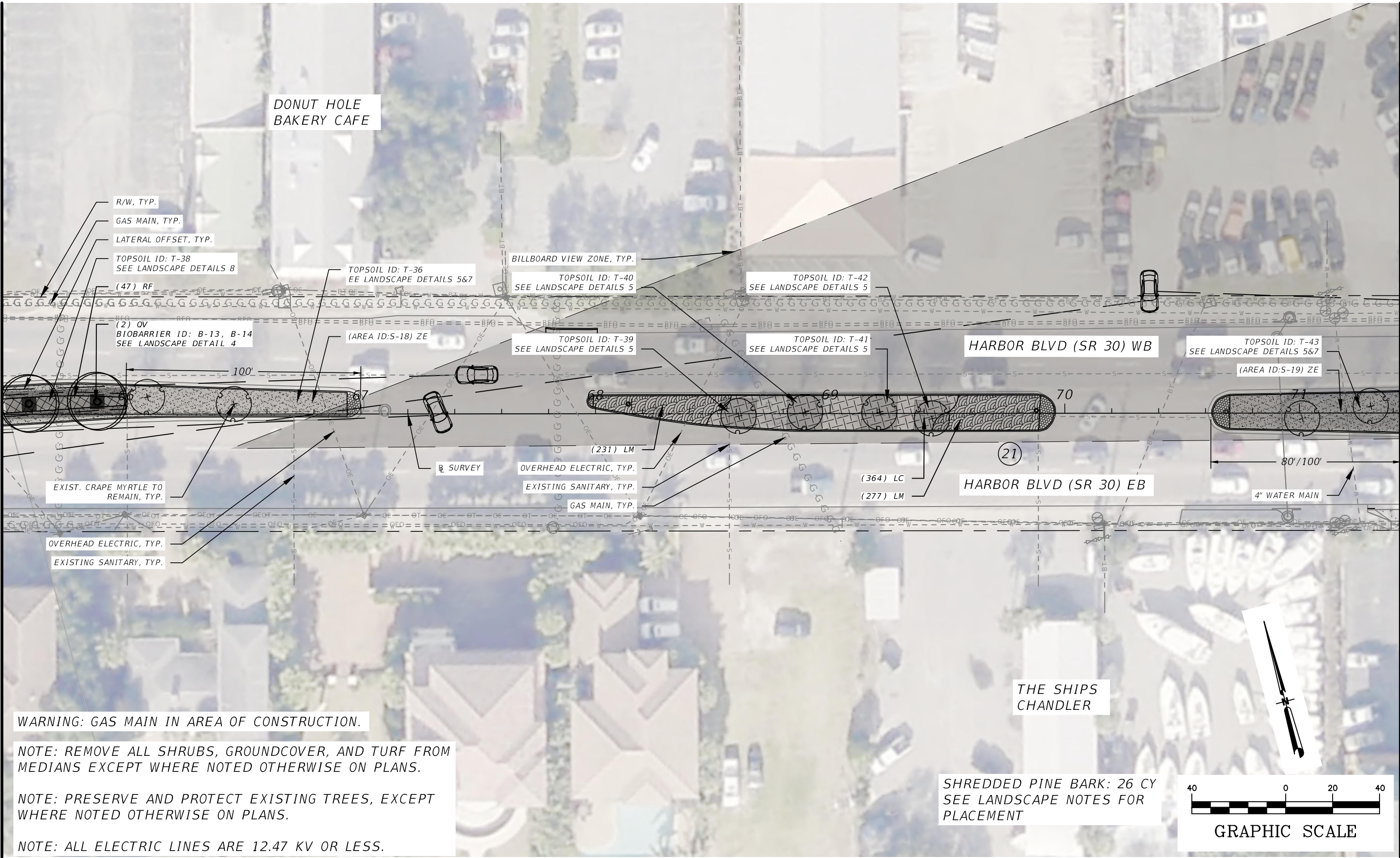


REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01	23	

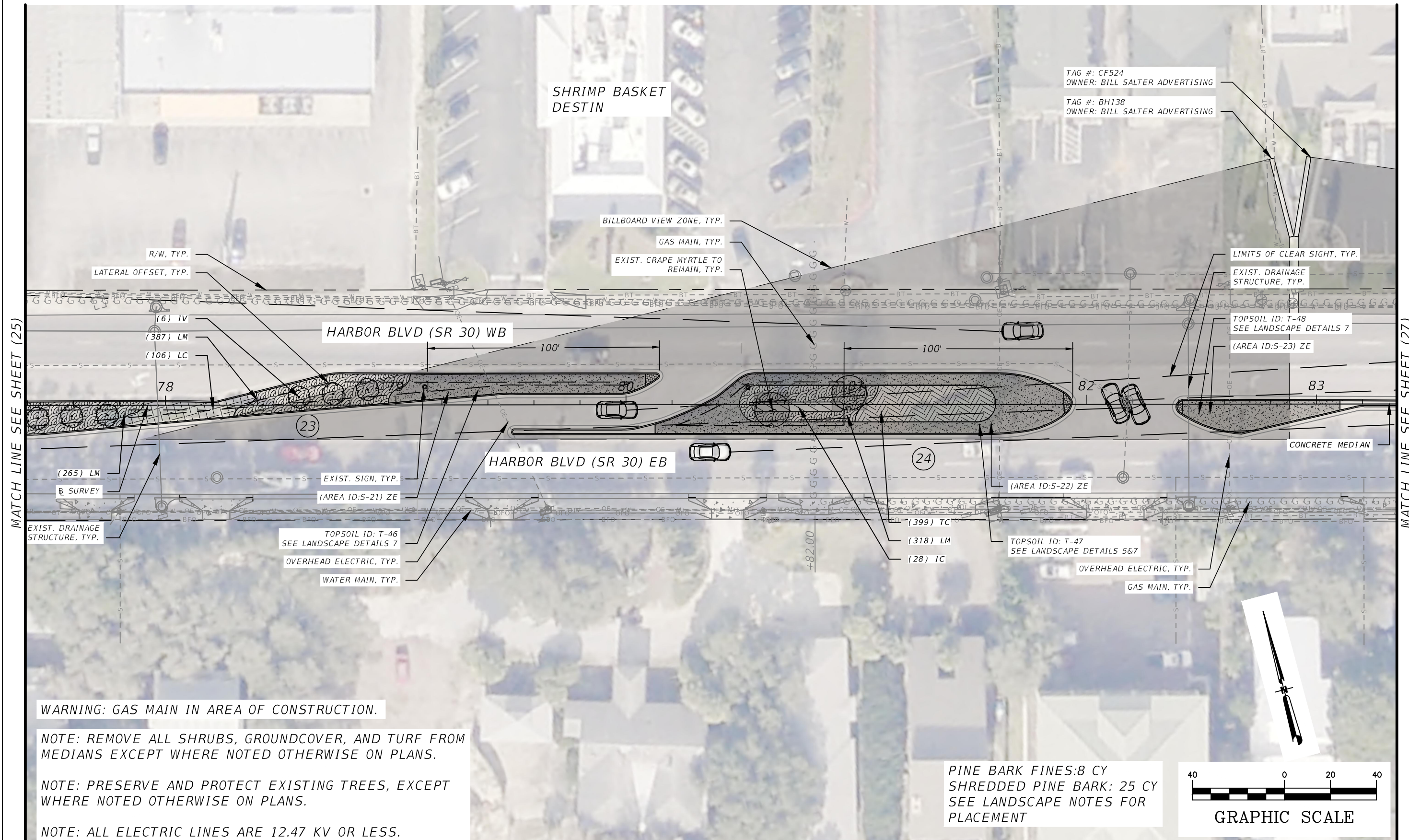
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.

MATCH LINE SEE SHEET (23)

MATCH LINE SEE SHEET (25)



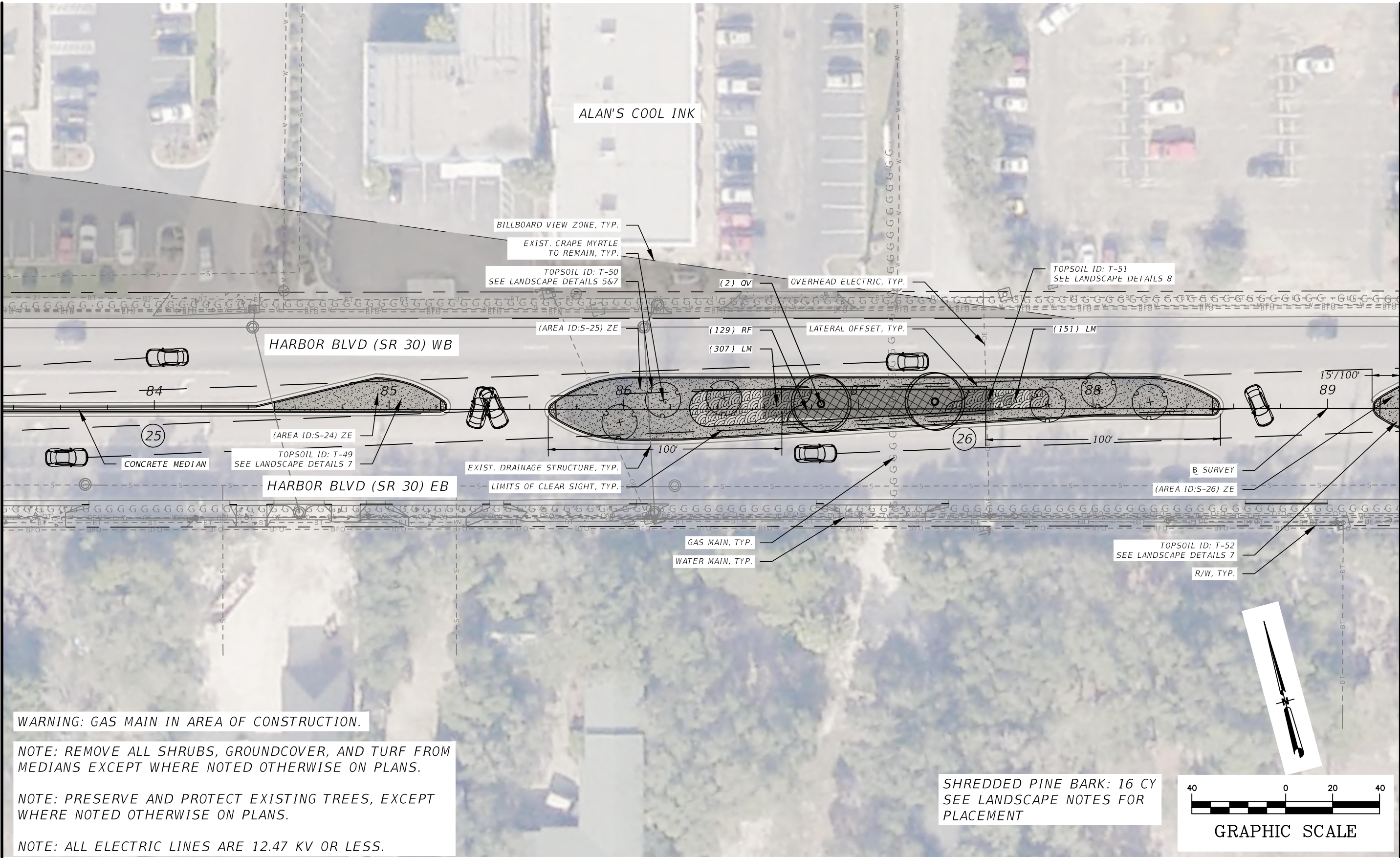
REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO. 24
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		



REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		26
					SR 30	OKALOOSA	445907-1-52-01		

MATCH LINE SEE SHEET (26)

MATCH LINE SEE SHEET (28)



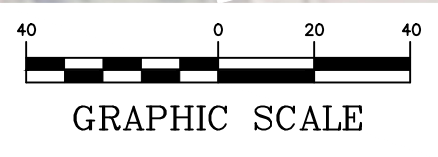
WARNING: GAS MAIN IN AREA OF CONSTRUCTION.

NOTE: REMOVE ALL SHRUBS, GROUNDCOVER, AND TURF FROM MEDIANS EXCEPT WHERE NOTED OTHERWISE ON PLANS.

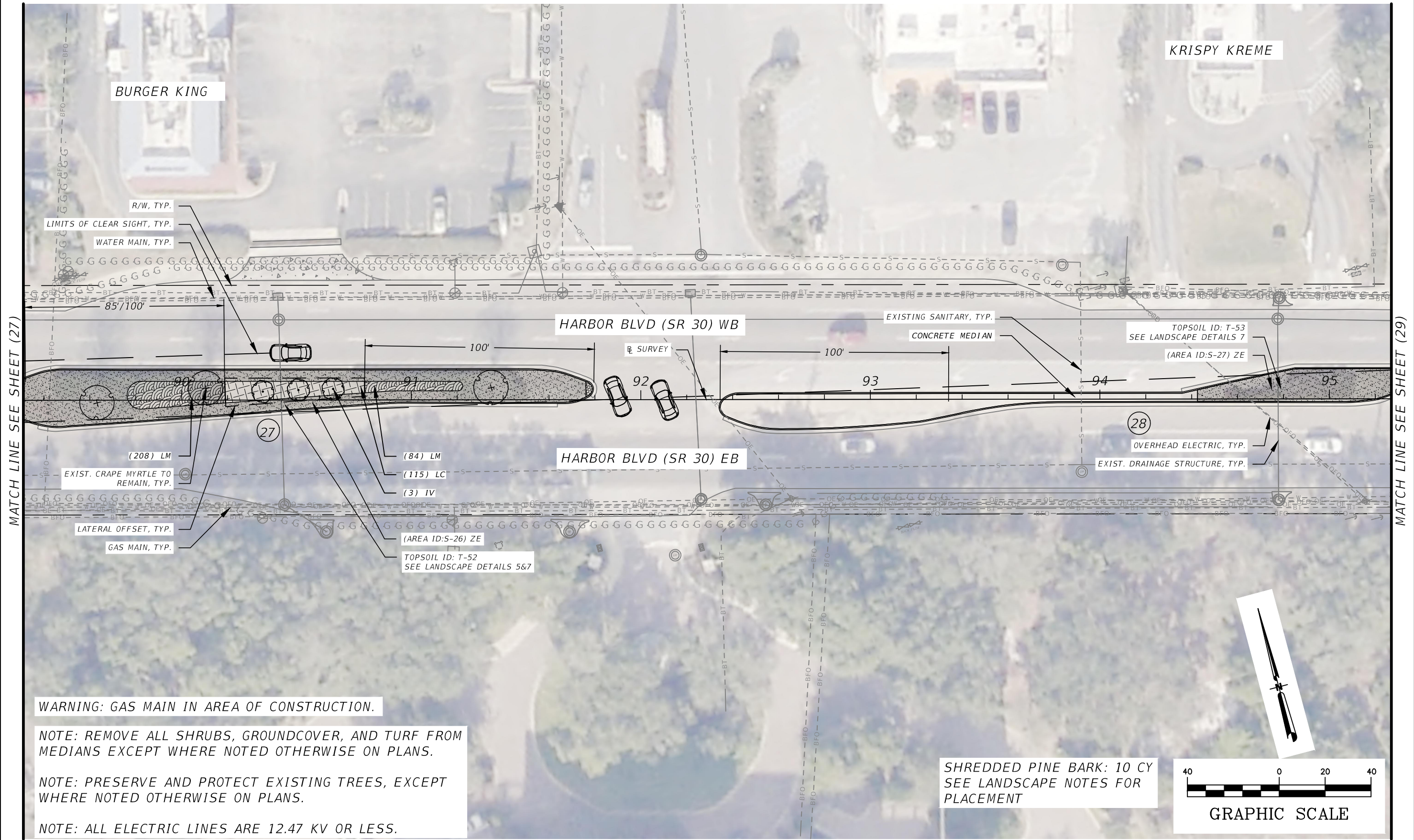
NOTE: PRESERVE AND PROTECT EXISTING TREES, EXCEPT WHERE NOTED OTHERWISE ON PLANS.

NOTE: ALL ELECTRIC LINES ARE 12.47 KV OR LESS.

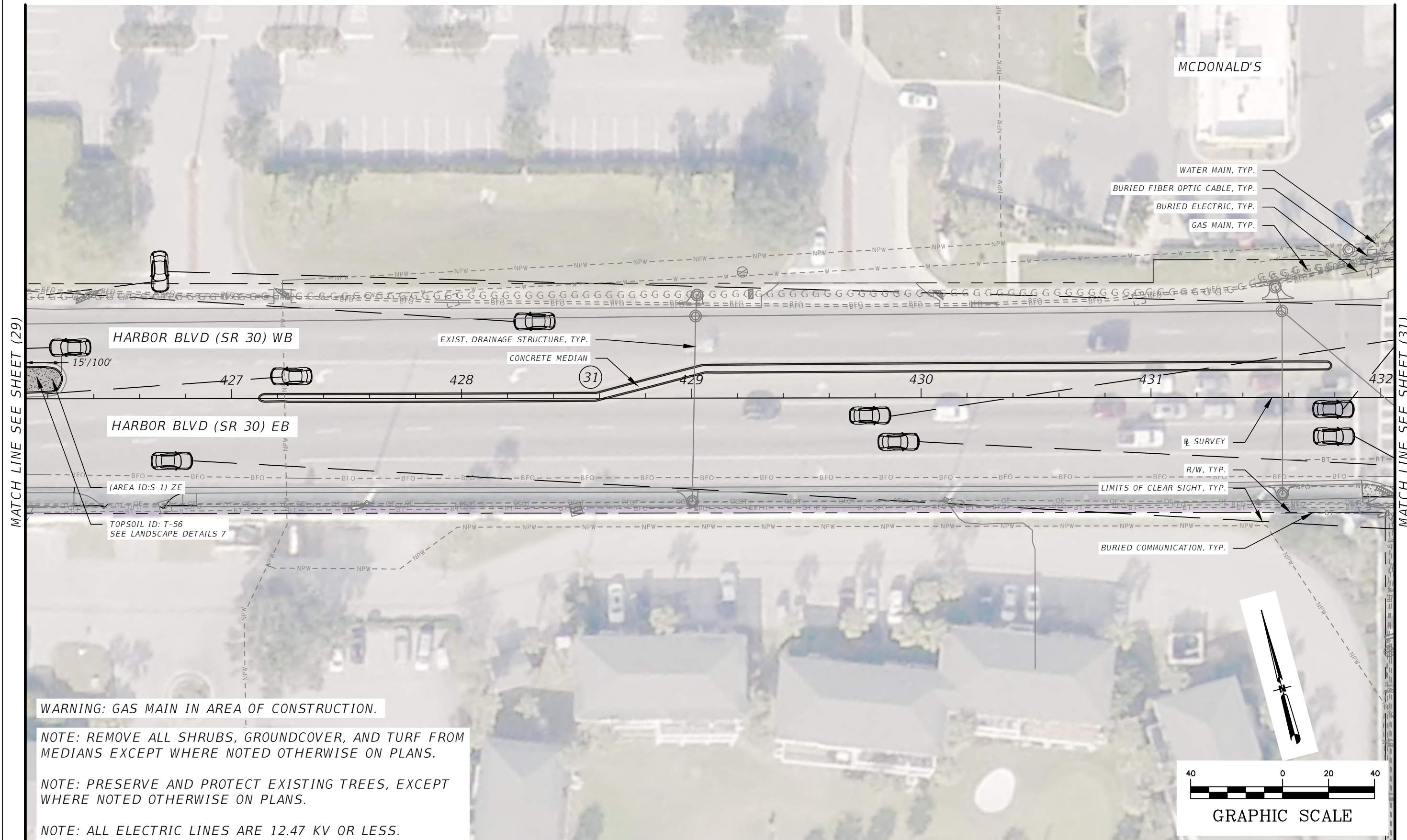
SHREDDED PINE BARK: 16 CY
SEE LANDSCAPE NOTES FOR
PLACEMENT



REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01	27	



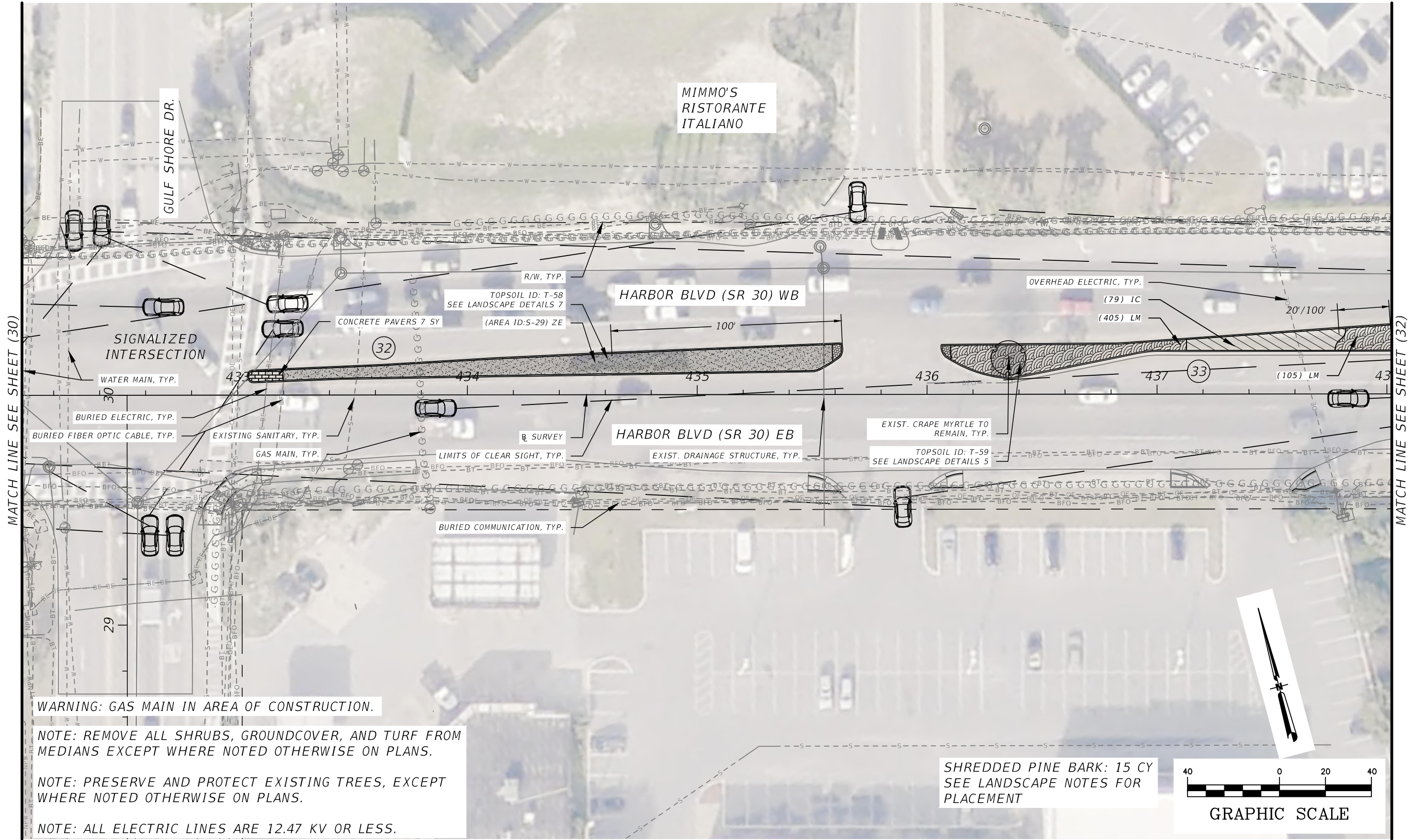
REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		28



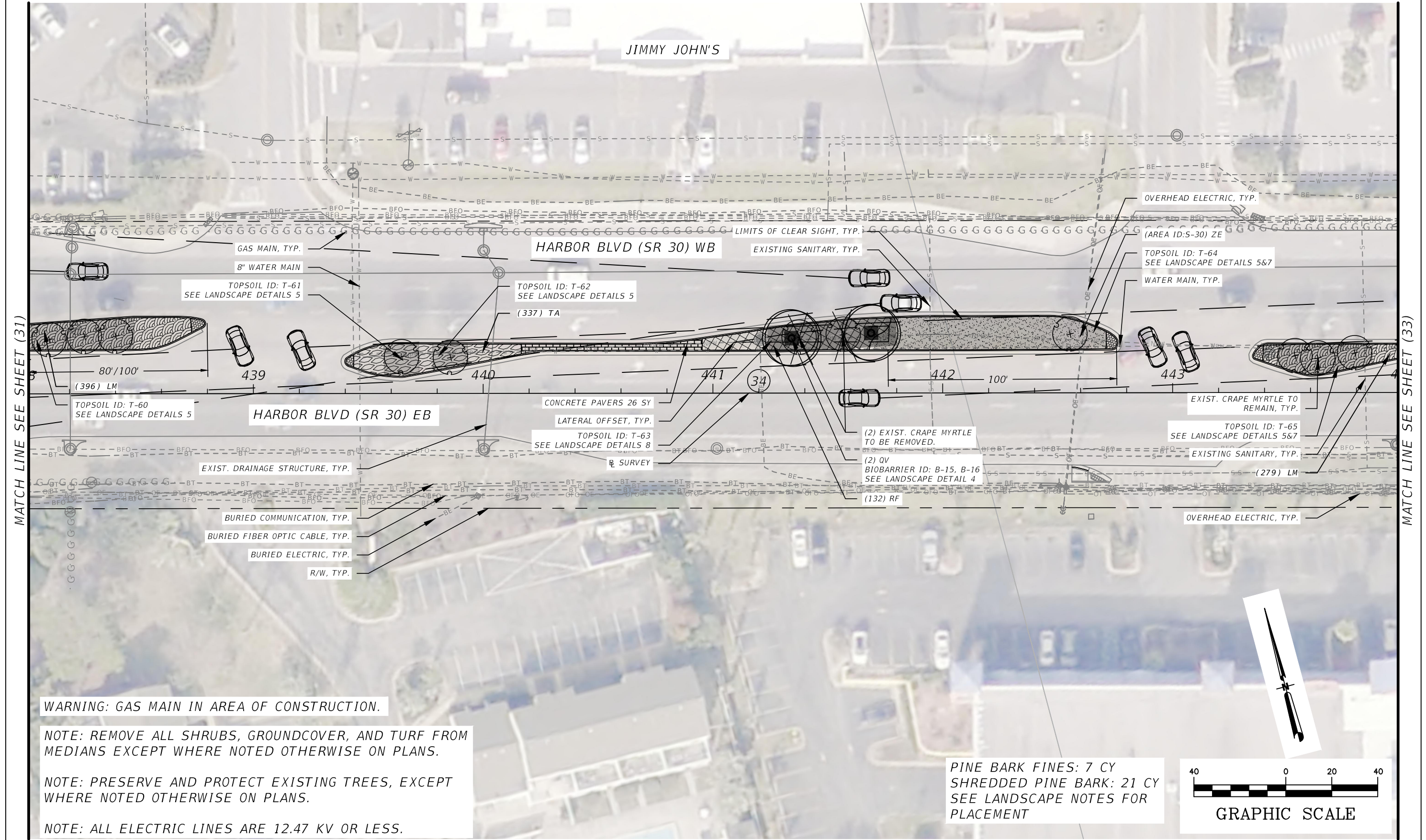
REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		30
					SR 30	OKALOOSA	445907-1-52-01		

MATCH LINE SEE SHEET (30)

MATCH LINE SEE SHEET (32)



REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO. 31
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		

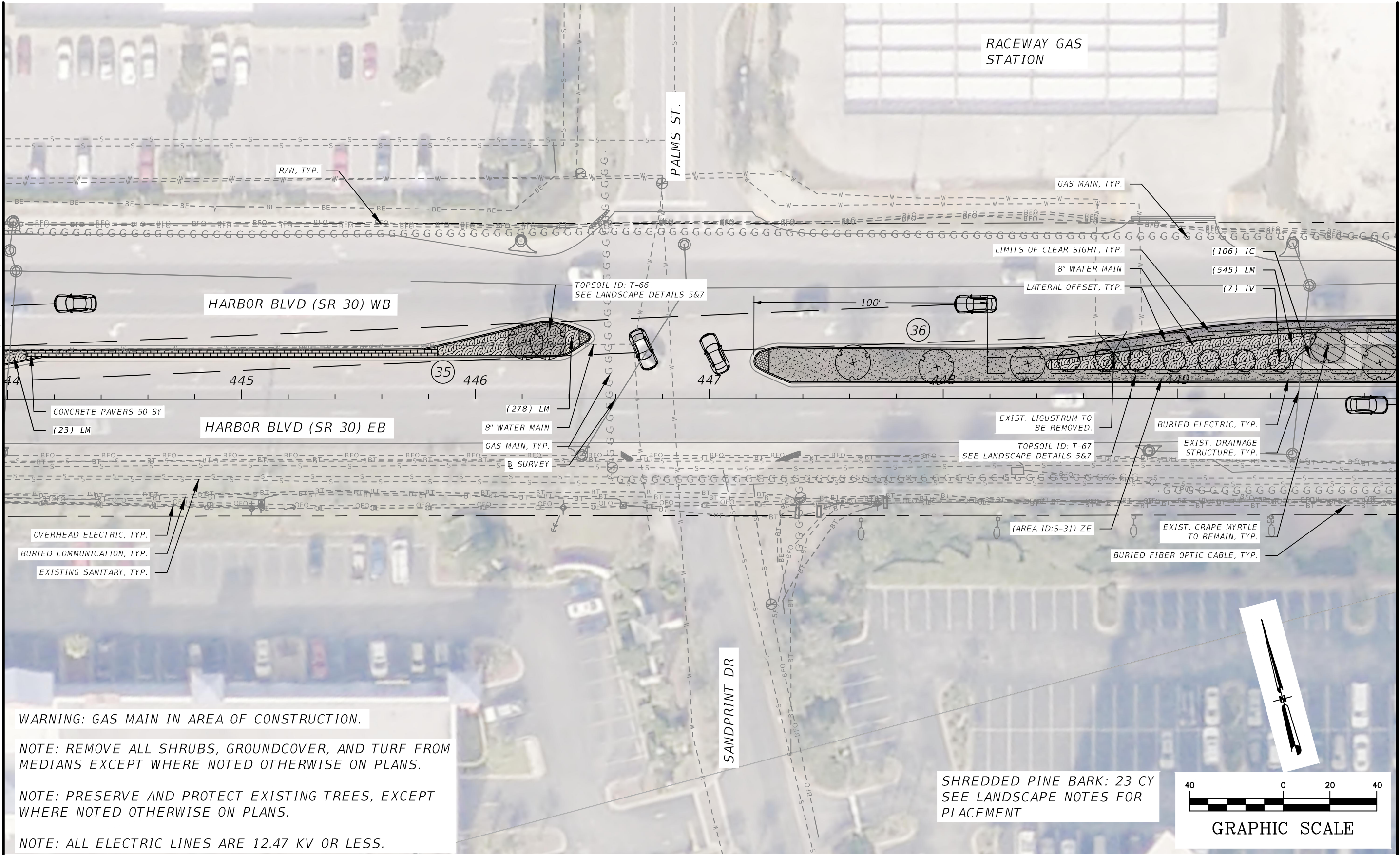


REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		32

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.

MATCH LINE SEE SHEET (32)

MATCH LINE SEE SHEET (34)



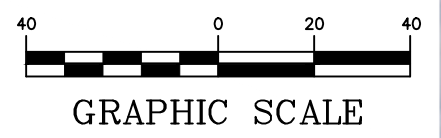
WARNING: GAS MAIN IN AREA OF CONSTRUCTION.

NOTE: REMOVE ALL SHRUBS, GROUNDCOVER, AND TURF FROM MEDIANS EXCEPT WHERE NOTED OTHERWISE ON PLANS.

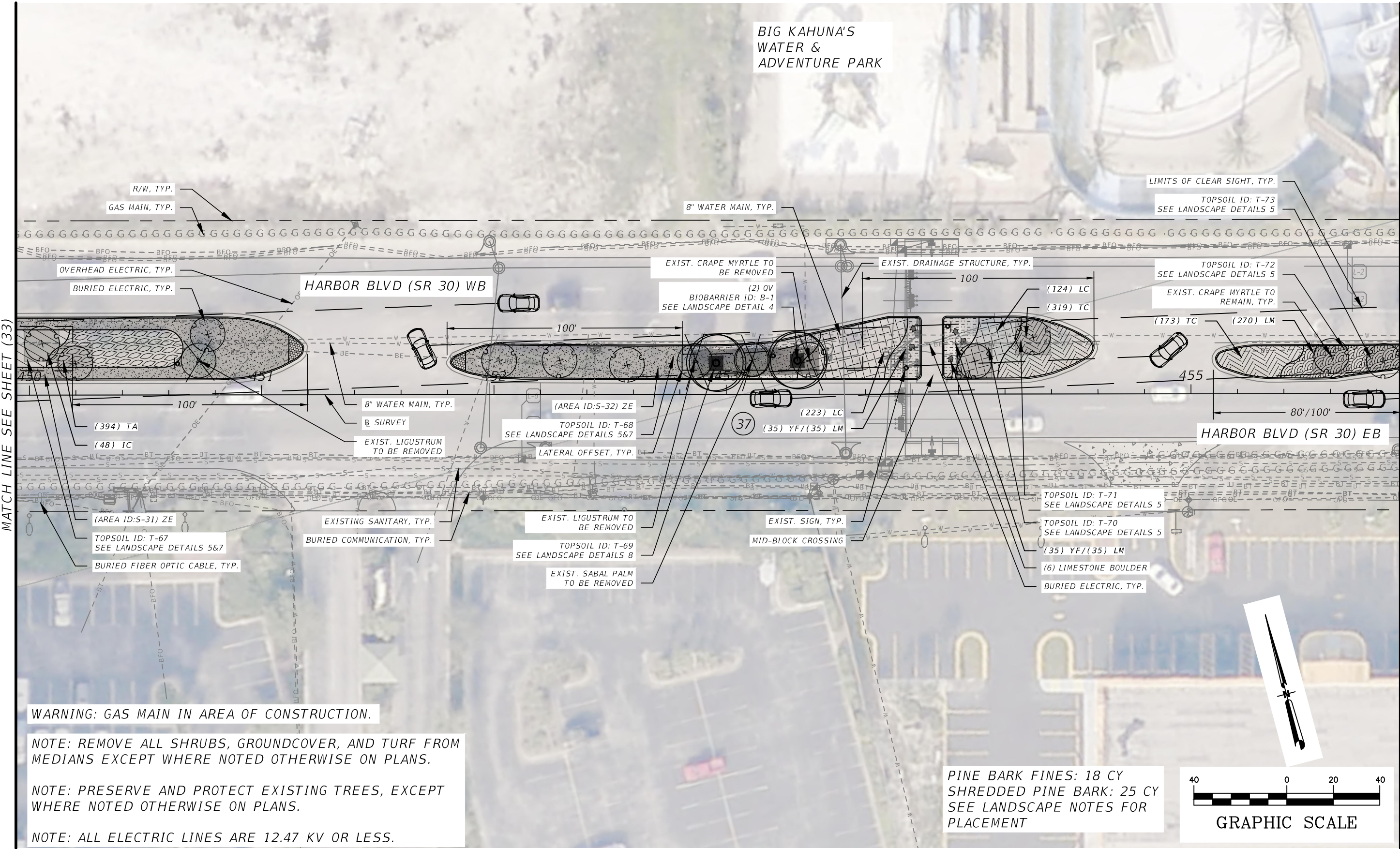
NOTE: PRESERVE AND PROTECT EXISTING TREES, EXCEPT WHERE NOTED OTHERWISE ON PLANS.

NOTE: ALL ELECTRIC LINES ARE 12.47 KV OR LESS.

SHREDDED PINE BARK: 23 CY
SEE LANDSCAPE NOTES FOR
PLACEMENT



REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO. 33
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		



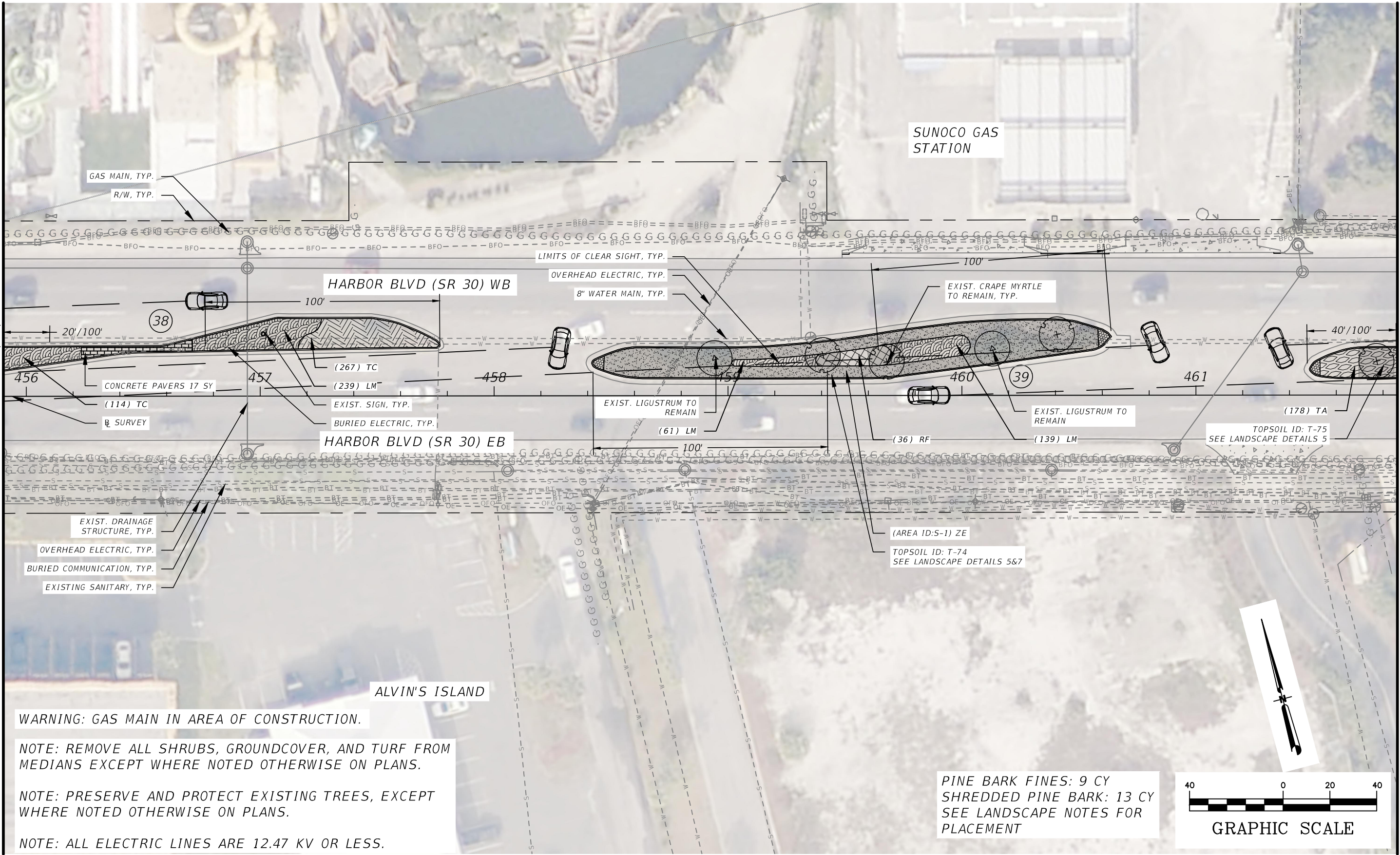
MATCH LINE SEE SHEET (33)

MATCH LINE SEE SHEET (35)

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.

MATCH LINE SEE SHEET (34)

MATCH LINE SEE SHEET (36)



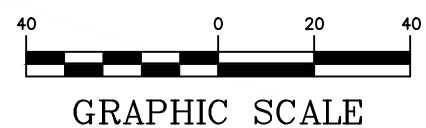
WARNING: GAS MAIN IN AREA OF CONSTRUCTION.

NOTE: REMOVE ALL SHRUBS, GROUNDCOVER, AND TURF FROM MEDIANS EXCEPT WHERE NOTED OTHERWISE ON PLANS.

NOTE: PRESERVE AND PROTECT EXISTING TREES, EXCEPT WHERE NOTED OTHERWISE ON PLANS.

NOTE: ALL ELECTRIC LINES ARE 12.47 KV OR LESS.

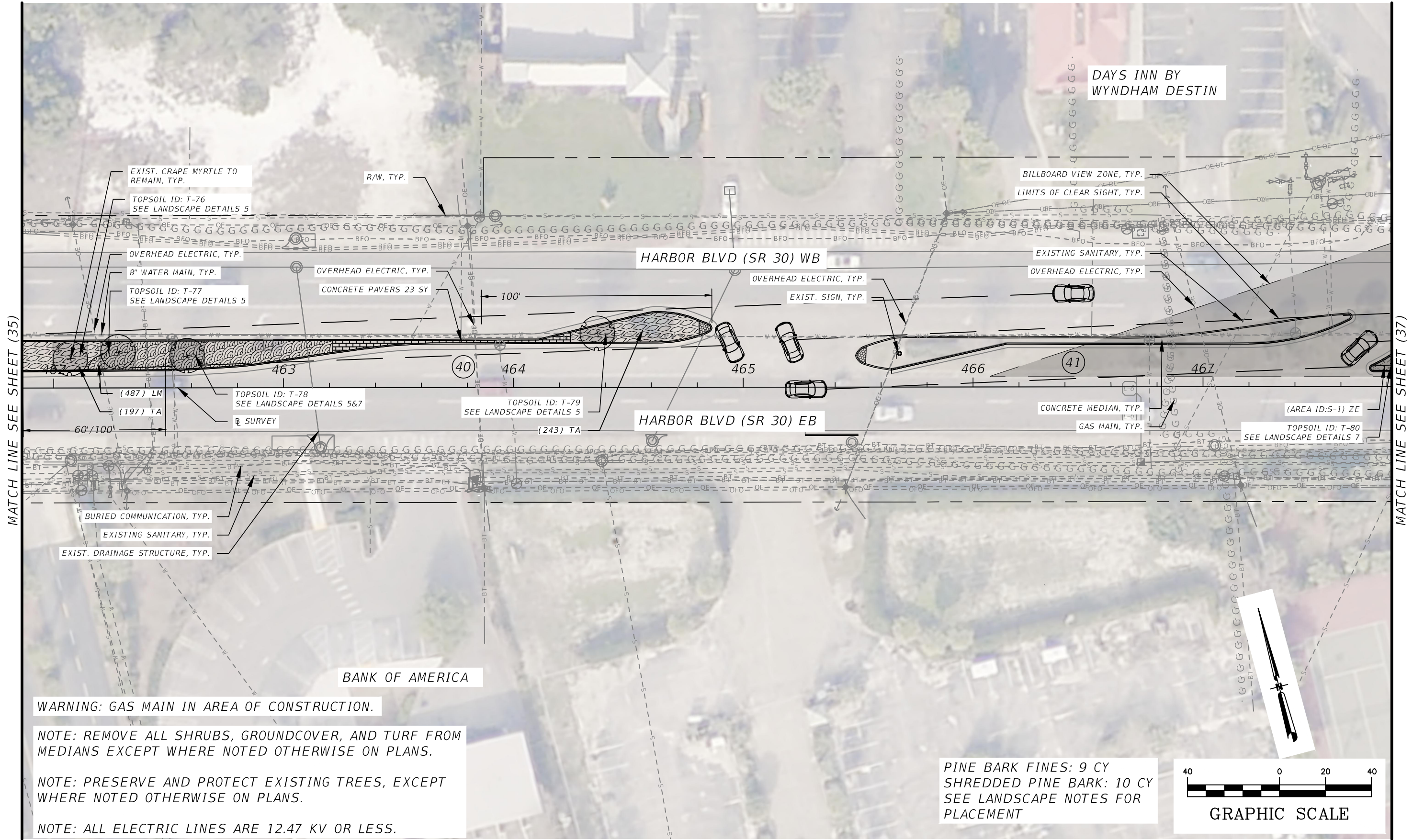
PINE BARK FINES: 9 CY
SHREDDED PINE BARK: 13 CY
SEE LANDSCAPE NOTES FOR PLACEMENT



REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO. 35
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		

MATCH LINE SEE SHEET (35)

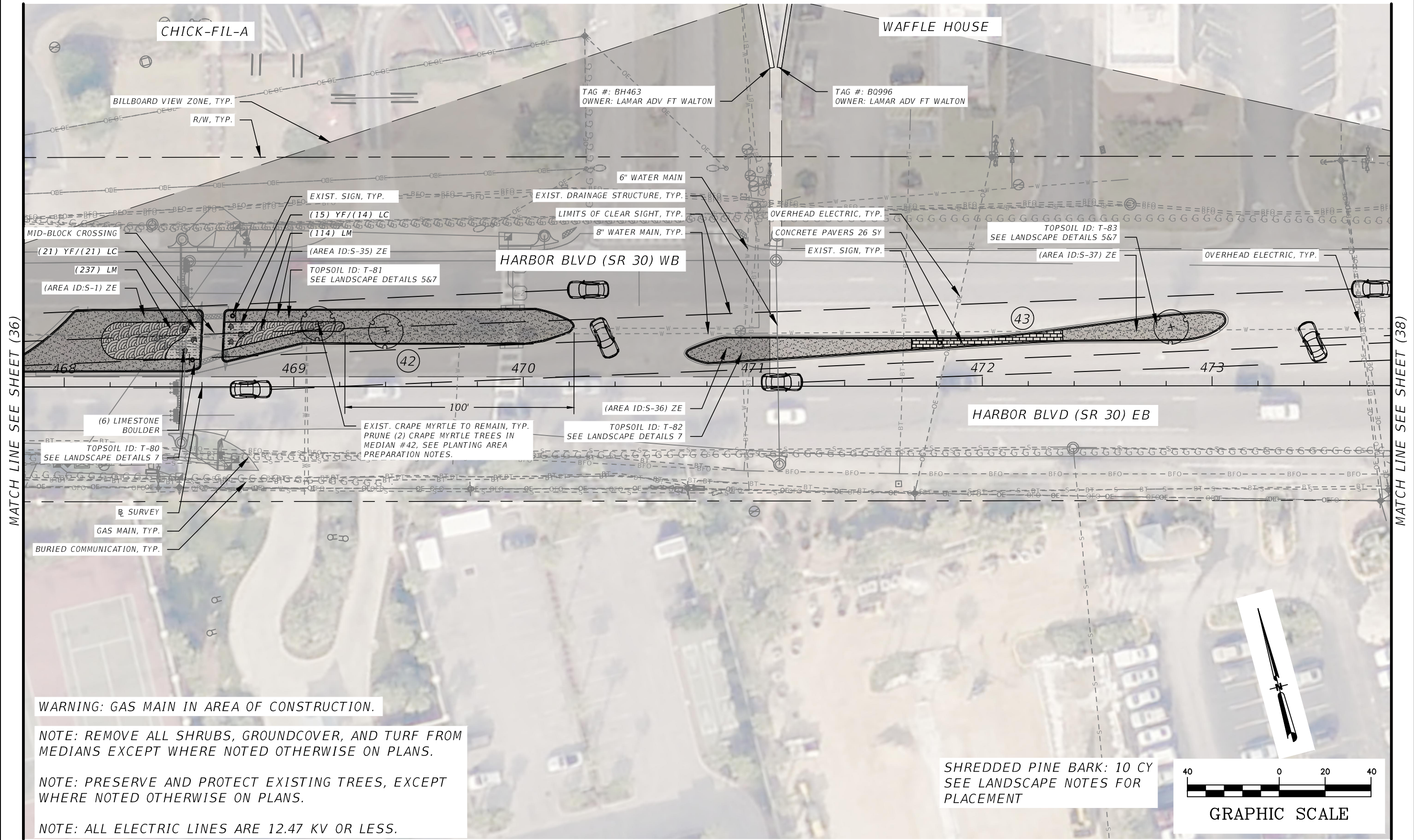
MATCH LINE SEE SHEET (37)



REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO. 36
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		

MATCH LINE SEE SHEET (36)

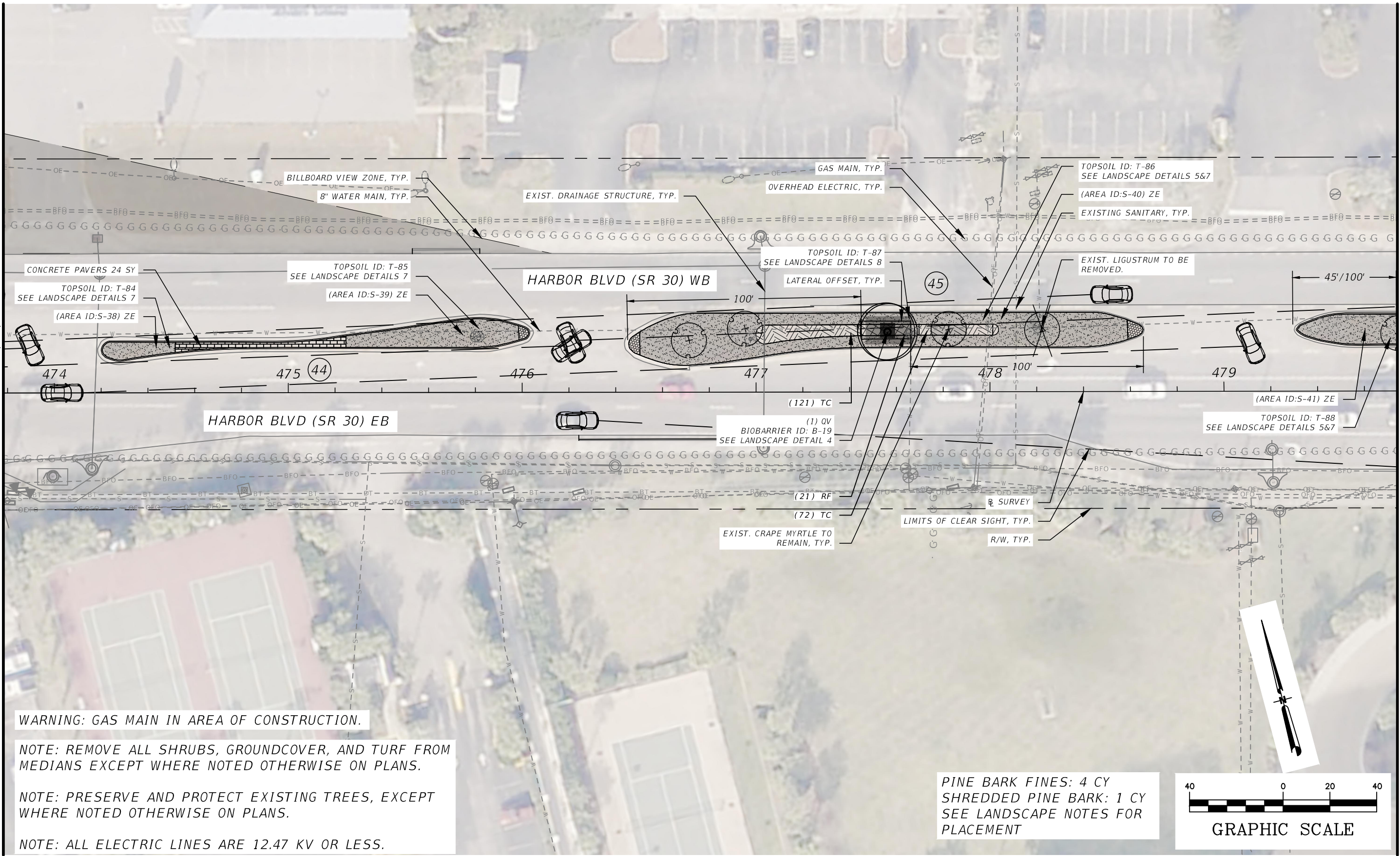
MATCH LINE SEE SHEET (38)



REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		37
					SR 30	OKALOOSA	445907-1-52-01		

MATCH LINE SEE SHEET (37)

MATCH LINE SEE SHEET (39)



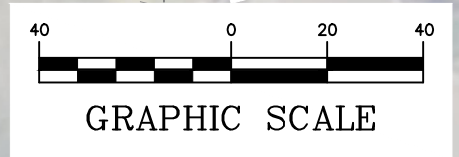
WARNING: GAS MAIN IN AREA OF CONSTRUCTION.

NOTE: REMOVE ALL SHRUBS, GROUND COVER, AND TURF FROM MEDIANS EXCEPT WHERE NOTED OTHERWISE ON PLANS.

NOTE: PRESERVE AND PROTECT EXISTING TREES, EXCEPT WHERE NOTED OTHERWISE ON PLANS.

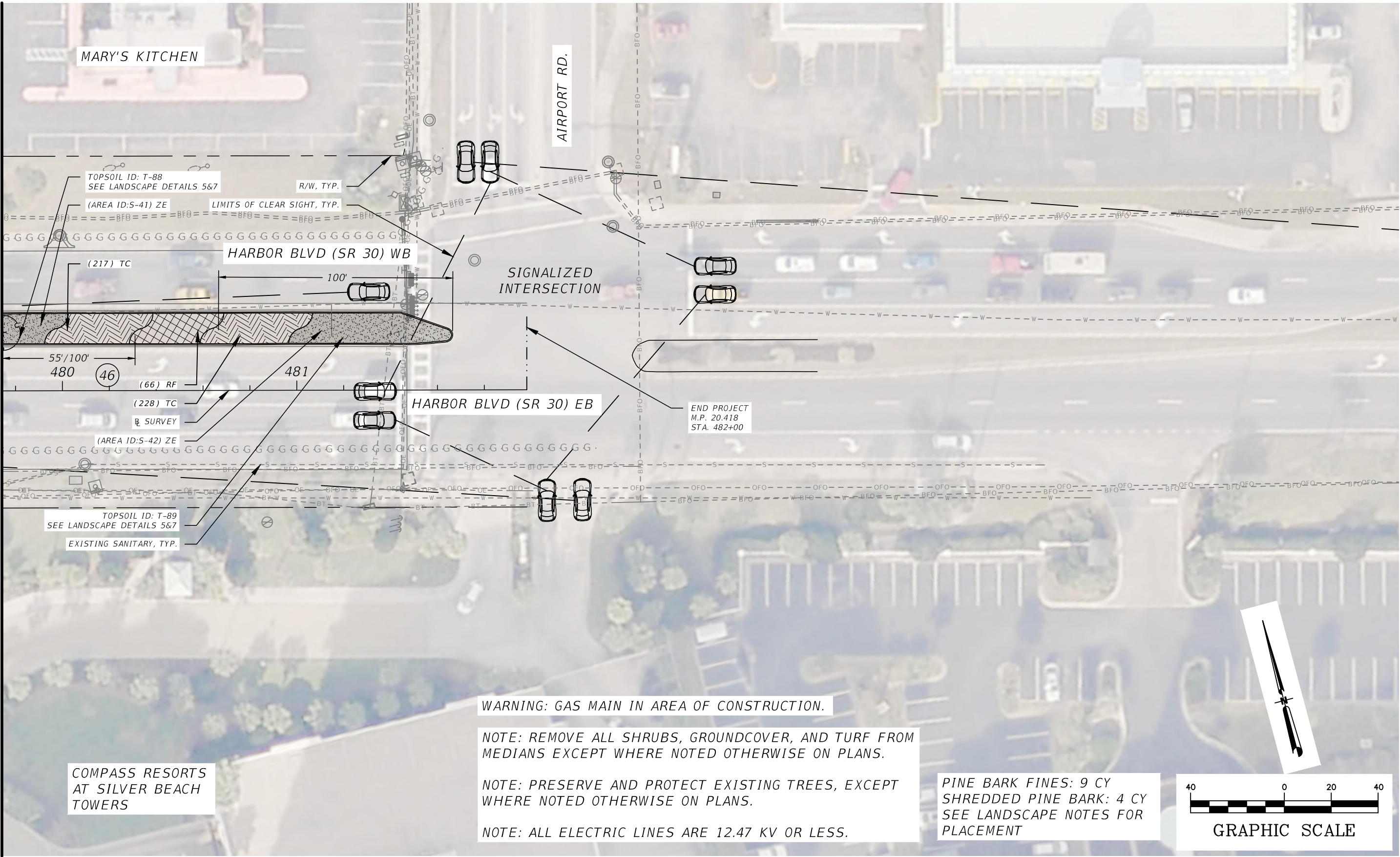
NOTE: ALL ELECTRIC LINES ARE 12.47 KV OR LESS.

PINE BARK FINES: 4 CY
SHREDDED PINE BARK: 1 CY
SEE LANDSCAPE NOTES FOR PLACEMENT

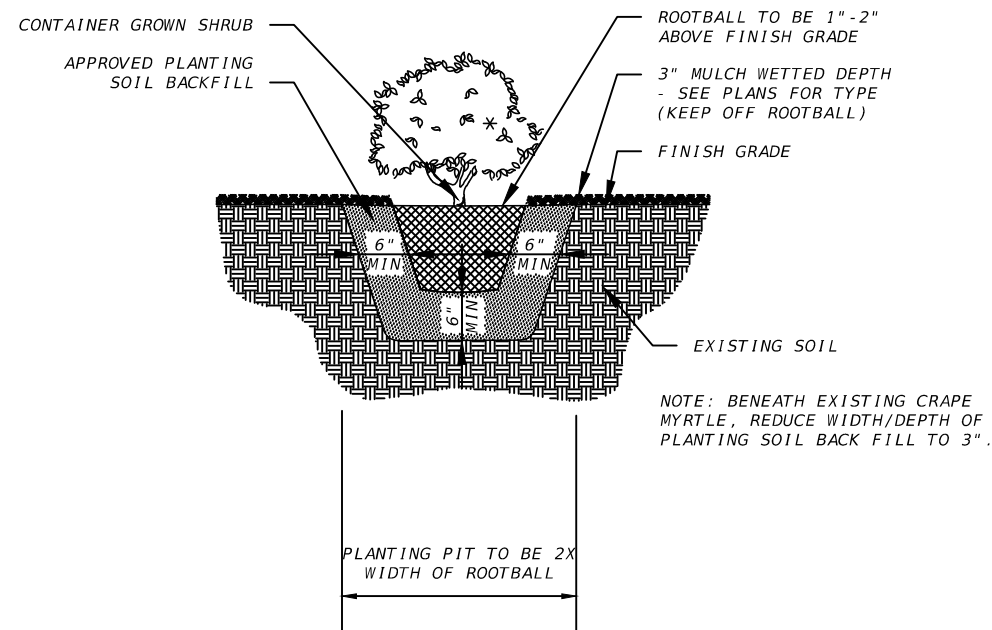


REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO. 38
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		

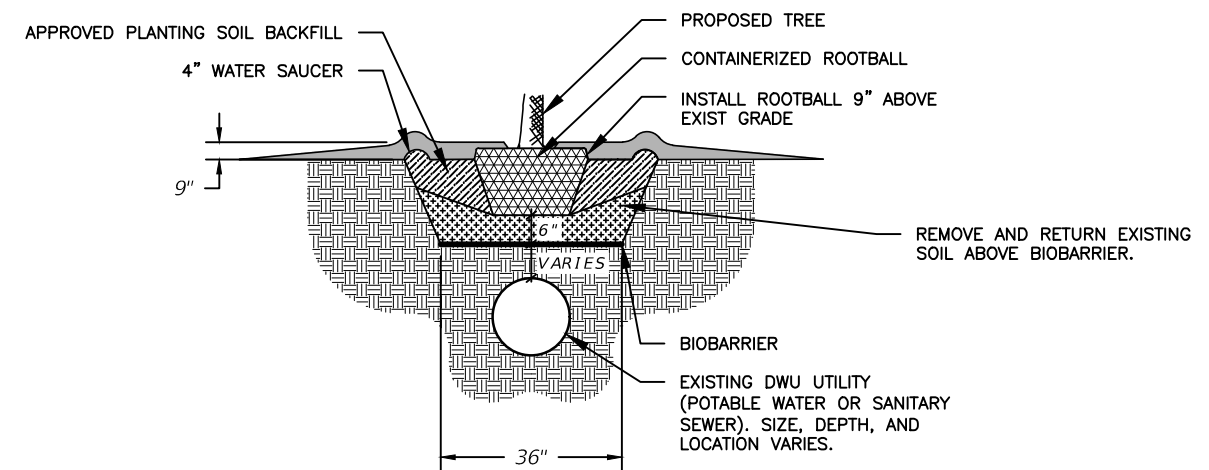
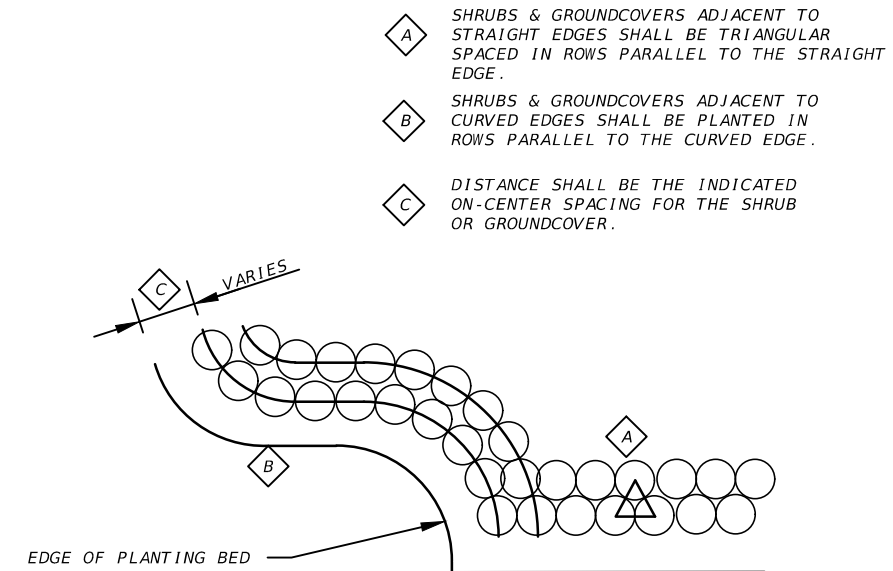
MATCH LINE SEE SHEET (38)



REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01	39	



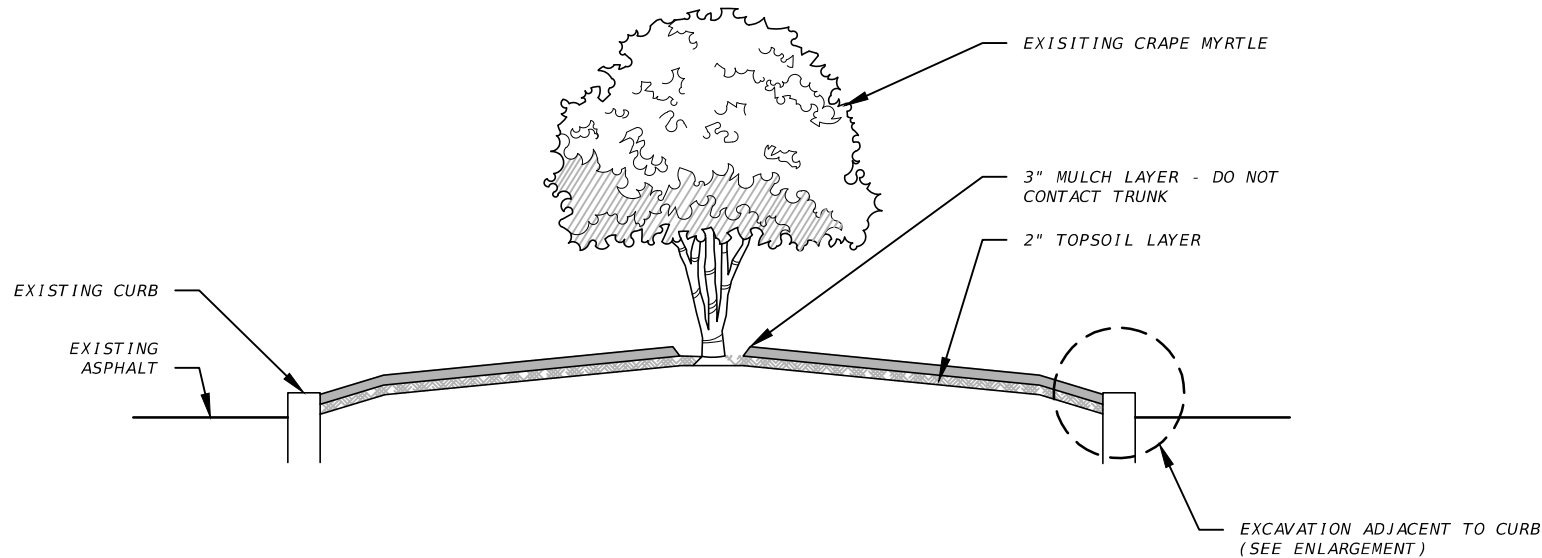
NOTE: REFER TO STANDARD PLANS
580-001 FOR OTHER PLANTING AND
STAKING REQUIREMENT.



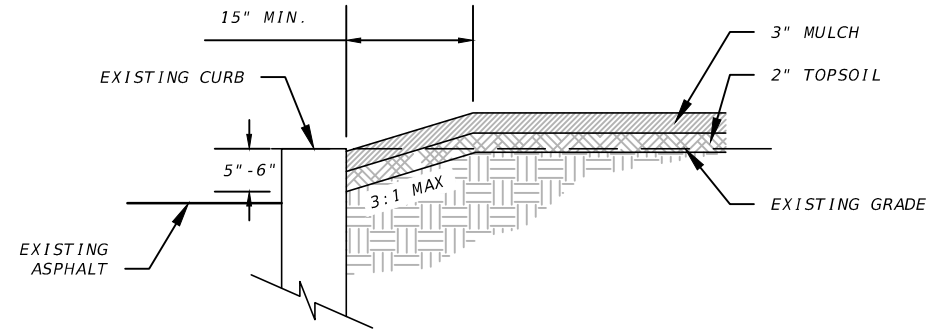
NOTES

- 1) EXCAVATE PLANTING PIT 6" DEEPER THAN TREE ROOTBALL.
- 2) BOTTOM OF PLANTING PIT SHALL BE LEVEL AND FLAT, SUCH THAT 36" X 36" BIOBARRIER IS LAID FLAT ON BOTTOM.

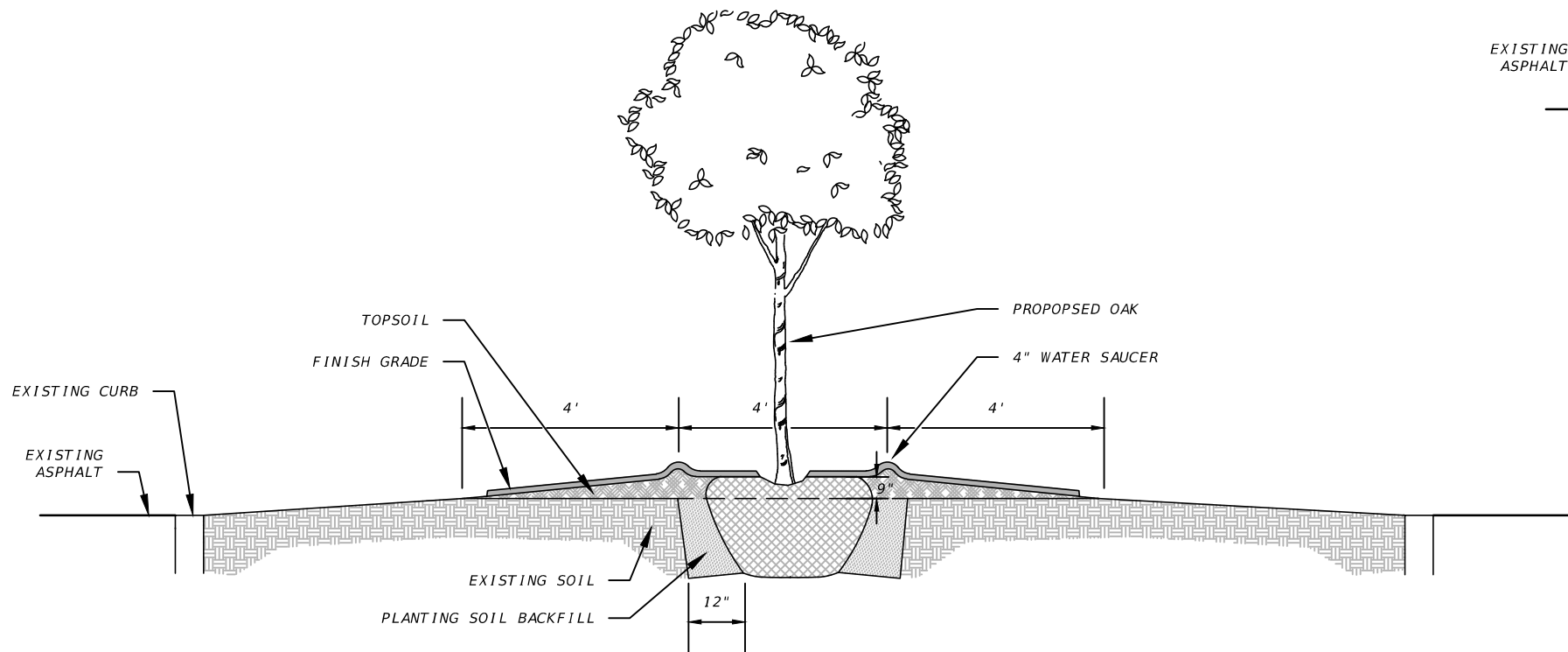
REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		40



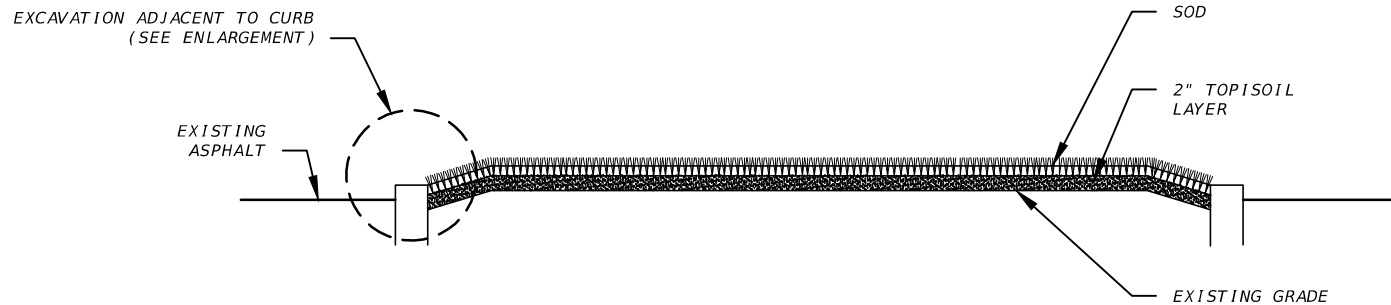
5 NTS GRADING AND TOPSOIL DETAIL
CRAPE MYRTLE AREAS



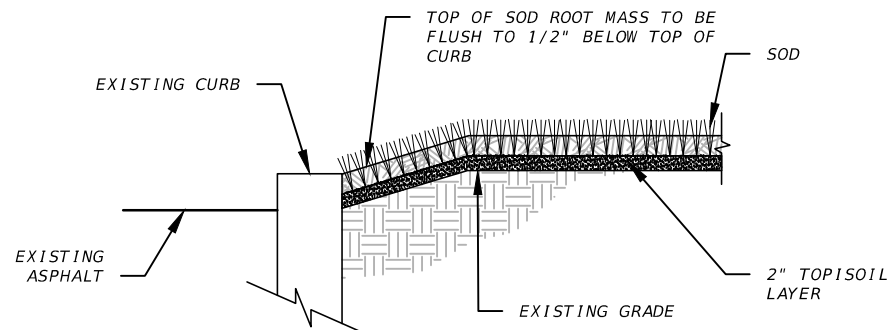
6 NTS CURB AREA ENLARGEMENT
CRAPE MYRTLE AREAS



8 NTS OAK PLANTING AND TOPSOIL PLACEMENT DETAIL



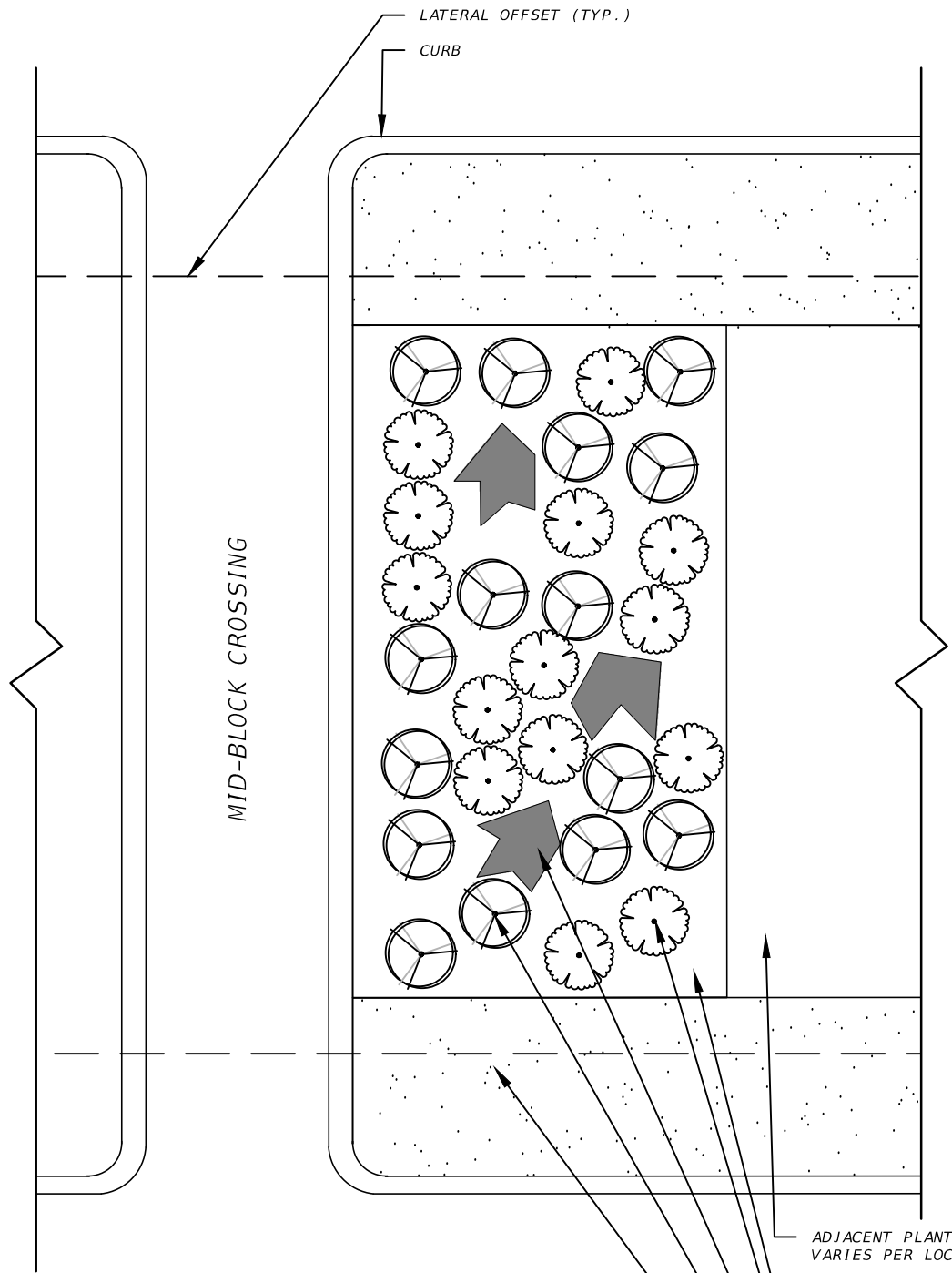
7 NTS GRADING DETAIL
SOD AREAS



9 NTS CURB AREA ENLARGEMENT
SOD AREAS

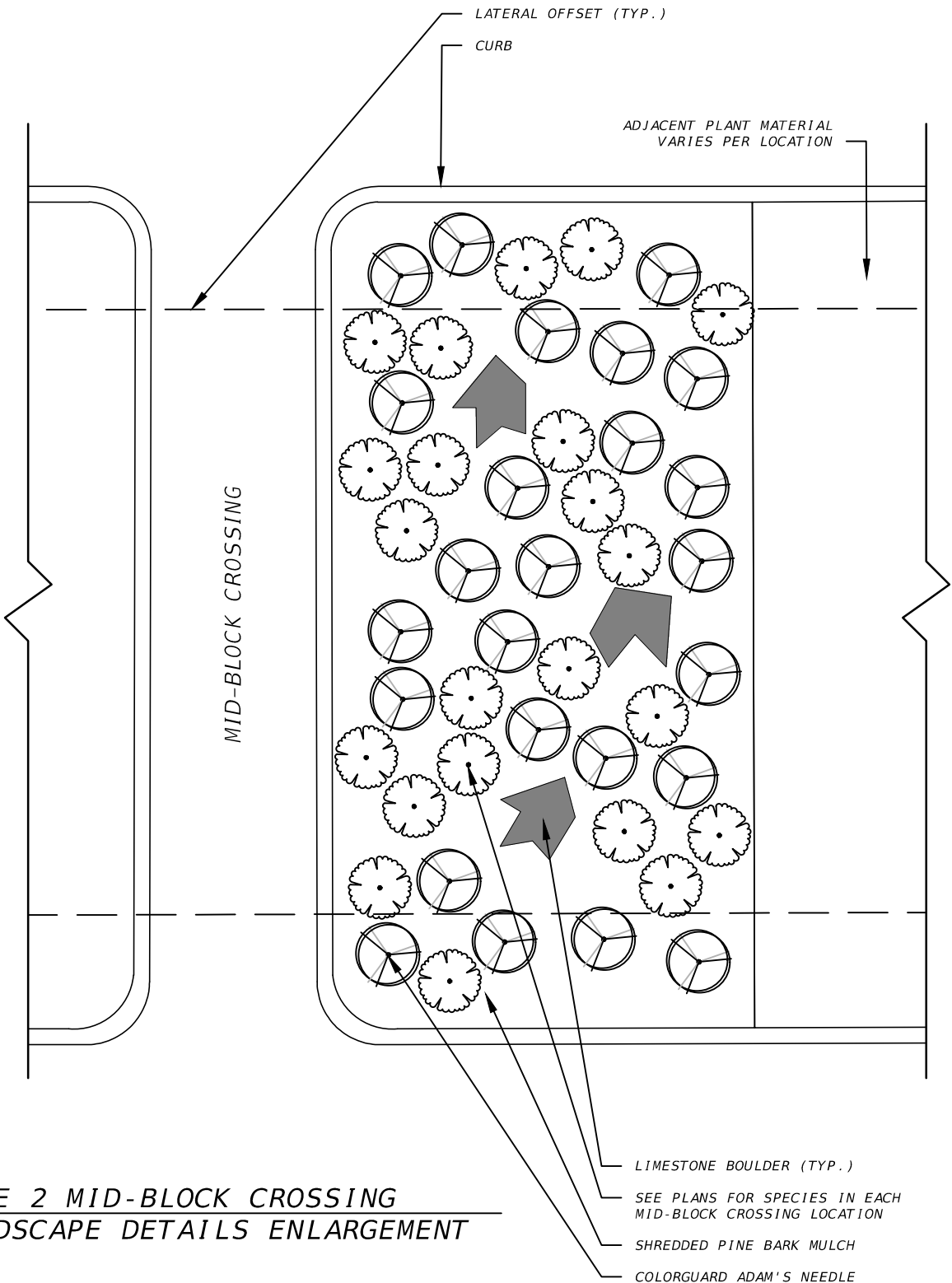
REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		41

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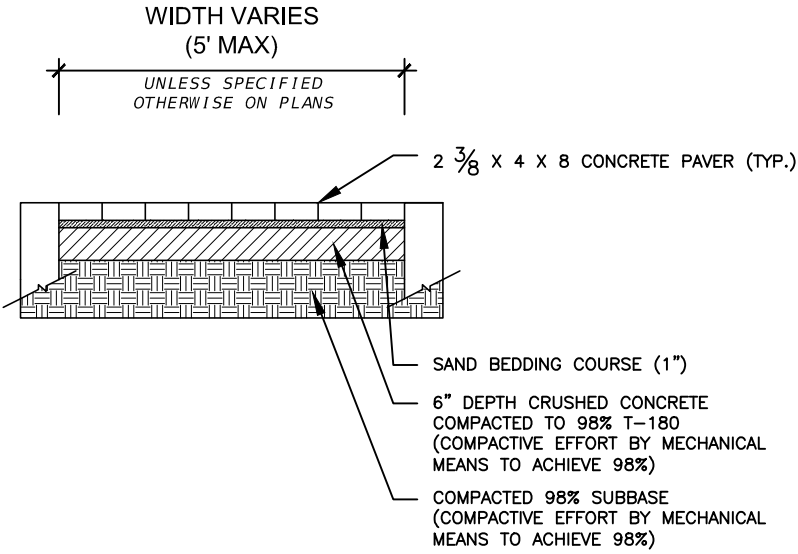
10 TYPE 1 MID-BLOCK CROSSING
LANDSCAPE DETAILS ENLARGEMENT

NOTES:
1) BOULDERS TO BE PLACED MIN. 2 FT FROM EDGE OF CURB ALONG CROSSWALK.
2) BOULDERS TO BE PLACED OUTSIDE LATERAL OFFSET.

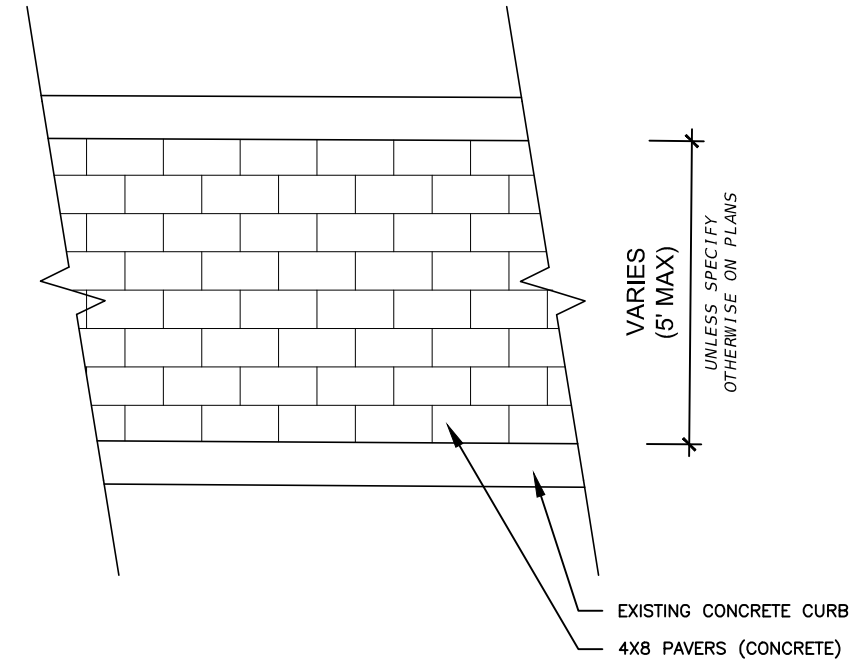


11 TYPE 2 MID-BLOCK CROSSING
LANDSCAPE DETAILS ENLARGEMENT

REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		42
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1 NTS CONCRETE PAVER DETAIL
SECTION VIEW



2 NTS CONCRETE PAVER DETAIL
PLAN VIEW

- NOTE:
- 1. PRECAST CONCRETE PAVERS INSTALLED IN AREAS AS INDICATED ON PLANS SHALL BE 4X8 RUNNING BOND PATTERN, INSTALLED WITH LONG SIDE PARALLEL TO CURB.
 - 2. PAVERS TO BE FLUSH AND EVEN. USE MECHANICAL VIBRATOR TO TAMP AND LEVEL ALL PAVERS. APPLY WASHED SUGAR SAND TO ALL JOINTS AND SWEEP CLEAN.
 - 3. PAVERS TO BE FLUSH WITH ADJACENT CURBS.
 - 4. PAVERS COLOR TO BE TREMON 4X8 BRICK PAVERS PRODUCT CODE PV21040, COLOR "CORAL" OR APPROVED EQUAL.
 - 5. SUBMIT PAVER SAMPLE FOR APPROVAL BY ENGINEER AND LANDSCAPE ARCHITECT PRIOR TO ANY PAVER DELIVERY TO SITE.

REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			HARDSCAPE DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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IRRIGATION NOTES:

1. VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. MAINLINE SHALL NOT BE LOCATED OR INSTALLED WITHOUT PRIOR APPROVAL OF THE ENGINEER. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON PLANS.
2. THE DRAWINGS ARE TO BE CONSIDERED DIAGRAMMATIC, THE LOCATIONS OF THE EQUIPMENT SHALL BE COORDINATED IN THE FIELD, AND ADJUSTED AS NECESSARY TO AVOID CONFLICTS, AND TO REACT TO FIELD VARIABLES, DUE TO SMALL SCALE DRAWINGS, IT IS OFTEN NECESSARY TO SHOW PIPING OR OTHER ELEMENTS OUTSIDE RIGHTS-OF-WAY OR IN PAVEMENT AREAS. THE INSTALLATION OF ALL PIPING AND OTHER EQUIPMENT SHALL BE IN PERVIOUS AREAS AND WITHIN RIGHTS-OF-WAY UNLESS IT IS SPECIFICALLY NOTED TO THE CONTRARY.
3. FIELD ALTERNATIONS MADE IN THE IRRIGATION CONTRACT DRAWINGS MUST BE IN THE BEST INTEREST OF THE PLANT MATERIAL, SOD, AND LANDSCAPE IRRIGATION SYSTEM. CHANGES MADE BY THE IRRIGATION CONTRACTOR WHICH ARE DEEMED, BY THE DISTRICT LANDSCAPE ARCHITECT AND PROJECT ENGINEER, NOT TO BE IN CONFORMITY WITH THIS CRITERIA WILL BE REMOVED AND REPLACED AT THE IRRIGATION CONTRACTOR'S EXPENSE. IF A QUESTION SHOULD ARISE AS TO THE BEST WAY TO COMPLETE A FIELD ALTERNATION, CONTRACT THE DISTRICT LANDSCAPE ARCHITECT AND PROJECT ENGINEER FOR APPROVAL.
4. THE CONTRACTOR SHALL STAKE OUT THE LOCATION OF EACH RUN OF PIPE, BUBBLERS. DRIP SUPPLY POINTS, AND CONTROL VALVES PRIOR TO TRENCHING. TRENCHES FOR PIPE SHALL BE CUT TO REQUIRED GRADE LINES AND COMPATED TO PROVIDE ACCURATE GRADE AND UNIFORM BEARING FOR THE FULL LENGTH OF THE LINE.
5. TRENCHES MUST BE PROTECTED FROM VEHICLE AND PEDESTRIAN TRAFFIC AT ALL TIMES. IT WILL BE THE IRRIGATION CONTRACTOR'S RESPONSIBILITY TO BARRICADE AND DIVERT TRAFFIC.
6. ALL TRENCHES IN PROXIMITLY OF EXISTING TREES TO BE HAND EXCAVATED TO AVOID CONFLICTS WITH TREES.
7. NO ROOTS SHALL BE CUT WITHIN THE ROOT BALL AREA OF ALL EXISTING TREES. IRRIGATION PIPES AND CONDUIT SHOULD BE HAND-DUG OR DIRECTIONAL BORED.
8. PRIOR TO SLEEVE INSTALLATIONS AND IRRIGATION PIPE TRENCHING, BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH FOR ALL UTILITIES WITHIN THE PROJECT AREA. NOTIFY THE PROJECT ENGINEER PRIOR TO DRILLING OF EACH DIRECTIONAL BORE. AVOID CONFLICTS WITH ALL EXISTING UTILITIES.
9. ALL PRESSURE MAINLINES UNDER ROADWAY PAVEMENT SHALL BE WITHIN SLEEVES AS NOTED. CONTROL WIRING IN CONDUIT MAY SHARE SLEEVES WHERE SHOWN ON THE PLANS.
10. ALL SLEEVES AND DIRECTIONAL BORES UTILIZED BY THE IRRIGATION CONTRACTOR, WHETHER INSTALLED BY HIM OR NOT, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. "AS-BUILT" DRAWINGS ARE INCLUDED IN THE SCOPE OF WORK AND SHALL BE SUBMITTED FOR ENGINEER APPROVAL. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH AND OF EACH SLEEVE SHALL BE NOTES AT EACH SLEEVE/BORE LOCATION ON THE "AS-BUILT" DRAWINGS.
11. ALL UNSIZED PIPE SHALL BE 3/4" UNLESS OTHERWISE NOTED.
12. LATERAL PIPE TO BE SIZED AS NOT TO EXCEED FIVE FEET PER SECOND BASED ON STANDARD CLASS 200 PVC CHARACTERISTICS.

3/4"0-8 GPM1"9-13 GPM1 1/4"14-19 GPM1 1/2"20-25 GPM2"26-50 GPM
13. ALL VALVES SHALL BE INSTALLED IN TIER 8 POLYMER CONCRETE VALVE BOX WITH A LOCKING LID.
14. THE IRRIGATION AND LANDSCAPE CONTRACTORS SHALL COORDINATE THE PLACEMENT OF THE IRRIGATION EQUIPMENT AND LANDSCAPE MATERIAL WITHIN THE PLANTED AREAS. THE IRRIGATION CONTRACTOR SHALL INSTALL HIS MATERIAL AT THE EDGE OF THE PLANTED AREAS AVOIDING PLANTS, ROOTBALLS, LIGHTS, BOLLARDS, FENCES, ETC.
15. POP-UP SPRAY HEADS SHALL BE INSTALLED IN ALL TURF AND PLANT AREAS, LANDSCAPE BUBBLERS TO BE INSTALLED ON ALL TREES.
16. POP-UP ROTOR HEADS SHALL BE INSTALLED IN AREAS WHERE THE LONG RADIUS COVERAGE INTENDED WILL NOT BE BLOCKED BY PLANT MATERIAL OR OTHER STRUCTURES (EX: SIGNS, FIRE HYDRANTS, WALLS ETC.)

17. CHANGES IN HEAD PLACEMENT OR DRIP SUBSTITUTION SHOULD ALWAYS BE DONE TAKING INTO CONSIDERATION:

A. WHAT IS BEST FOR THE GROWTH AND MAINTENANCE OF THE SOD AND PLANT MATERIAL.

B. MAINTAINING A CONSTANT AND EVEN DISTRIBUTION AND PRECIPITATION RATE. (NEVER INSTALL ROTORS, SPRAYS OR BUBBLERS ON THE SAME ZONE).

C. THE SPACING BETWEEN HEADS SHALL NOT EXCEED 50% OF THE DIAMETER FOR HEADS SPACED ON A SQUARE PATTERN OR 60% OF THE DIAMETER FOR HEADS SPACED ON A TRIANGULAR PATTERN.
18. POP-UP SPRINKLER HEADS SHALL BE INSTALLED:

A. 3" TO 6" FROM EDGE OF CURB OR SIDEWALK.

B. 12" TO 18" FROM EDGE OF PAVEMENT (WHERE NO CURB EXISTS)

C. FLUSH WITH FINISH GRADE.
19. COMMUNICATION CABLE FOR DECODERS SHALL BE 14-2 AWG COMMUNICATION CABLE TO BE LAID ALONG SIDE OF IRRIGATION MAINLINE. A 3/4" CONDUIT SHALL BE UTILIZED WHEN ROUTED IN A SLEEVE WITH THE IRRIGATION MAINLINE. ORANGE COLOR CABLE TO BE ROUTED FROM THE CONTROLLER TO THE EAST. YELLOW COLOR CABLE TO BE ROUTED FROM THE CONTROLLER TO THE WEST.
20. ALL CONNECTIONS TO FIELD DECODERS ALONG THE 2-WIRE PATH SHALL BE ACCOMPLISHED VIA THE USE OF 3M DBR-6 WIRE CONNECTORS OR EQUAL. THIS ALSO INCLUDES ALL GROUND RODS AND CONNECTION TO THE CONTROLLER. FOLLOW MANUFACTURER'S INSTALLATION RECOMMENDATIONS.
21. DURING INSTALLATION AND UPON COMPLETION OF THE IRRIGATION SYSTEM, VALVES SHALL BE OPERATED BY THE CONTROLLER PER THE IRRIGATION ZONE NUMBERS AS SHOWN ON THE PLANS.
22. SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE ENGINEER. ALL WORK WITHIN THE FDOT RIGHT-OF-WAY SHALL CONFORM TO THE STANDARD SPECIFICATIONS.
23. TIE INTO EXISTING ELECTRICAL SUPPLIES AS SHOWN ON PLANS.
24. VERIFY ALL ELECTRICAL METER POWER CONNECTION POINT LOCATIONS AT PROJECT SITE WITH ENGINEER. BE RESPONSIBLE FOR ANY ELECTRICAL METER INSTALLATION FEES IF APPLICABLE AND MONTHLY SERVICE FEES.
25. INSTALL METALIZED IDENTIFICATION TAPE ABOVE ALL IRRIGATION MAINLINES AS SHOWN ON TRENCHING DETAIL.
26. INSTALLATION OF ALL IRRIGATION WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON SITE.
27. MAINTAIN ALL IRRIGATION SYSTEMS IN A SAFE AND OPERATIONAL CONDITION DURING CONSTRUCTION AND THROUGHOUT THE CONTRACT PERIOD.
28. KEEP A DAILY AND ACCURATE RECORDING OF WORK PERFORMED AND PROVIDE TO THE ENGINEER UPON REQUEST. PROVIDE "AS-BUILT" RECORD DRAWINGS TO THE ENGINEER AT PROJECT COMPLETION.
29. PROVIDE A SCHEDULE OF VALUES FOR ALL MATERIALS AND INCIDENTALS SPECIFIED IN THE PLANS.
30. PRODUCTS ARE INDICATED AS A BASIS OF BID, OR APPROVED EQUAL.

GENERAL ELECTRICAL NOTES:

1. ELECTRICAL INSTALLATIONS SHALL CONFORM WITH ALL APPLICABLE CODES, LAWS, AND STATUTES, ANSI C2 "NATIONAL ELECTRICAL SAFETY CODE", NFPA 70 "NATIONAL ELECTRICAL CODE", AND THE AUTHORITY HAVING JURISDICTION (AHJ).
2. ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE UL LISTED AND LABEL OR LISTED AND LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL).
3. ARRANGE, COORDINATE, SCHEDULE AND PAY FOR THE SERVICES OF GULF POWER COMPANY TO PROVIDE A 120/240V SINGLE-PHASE, 60A ELECTRICAL SERVICE TO SUPPORT THE THE IRRIGATION PUMP STATION CONTROL PANEL. PROVIDE ELECTRICAL SERVICE IN ACCORDANCE WITH GULF POWER COMPANY REQUIREMENTS FOR ELECTRICAL SERVICE INSTALLATION.
4. BE RESPONSIBLE FOR ALL GULF POWER COMPANY ELECTRICAL SERVICE CHARGES AND ALL MONTHLY ELECTRICAL USAGE FEES DURING CONSTRUCTION AND TWO YEAR CONTRACT ESTABLISHMENT PERIOD. ELECTRICAL SERVICE CHARGES WILL BE TURNED OVER TO THE CITY OF DESTIN AT THE CONCLUSION OF THE ESTABLISHED PERIOD.
5. BE RESPONSIBLE FOR OBTAINING ALL REQUIRED ELECTRICAL PERMITS.

IRRIGATION LEGEND:

RAIN BIRD RD1800 SERIES SPRINKLERS AT 6" & 12" HEIGHT WITH MPR SPRAY NOZZLES

- 15-Q

15' RADIUS 90° ARC
- 15-T

15' RADIUS 120° ARC
- 15-H

15' RADIUS 180° ARC
- 15-F

15' RADIUS FULL CIRCLE
- 12-Q

12' RADIUS 90° ARC
- 12-T

12' RADIUS 120° ARC
- 12-H

12' RADIUS 180° ARC
- 12-F

12' RADIUS FULL CIRCLE
- 10-Q

10' RADIUS 90° ARC
- 10-T

10' RADIUS 120° ARC
- 10-H

10' RADIUS 180° ARC
- 10-F

10' RADIUS FULL CIRCLE
- 8-Q

8' RADIUS 90° ARC
- 8-T

8' RADIUS 120° ARC
- 8-H

8' RADIUS 180° ARC
- 8-F

8' RADIUS FULL CIRCLE
- EST

4' X 15' END STRIP
- SST

4' X 15' SIDE STRIP
- CST

4' X 15' CENTER STRIP
- RAIN BIRD PRESSURE COMPENSATING FLOOD BUBBLER, 0.25 GPM (2 PER TREE WHERE SHOWN ON PLANS)
- 5"

WELL WITH 7.5 VFD SUBMERSIBLE PUMP STATION PACKAGE
- D1

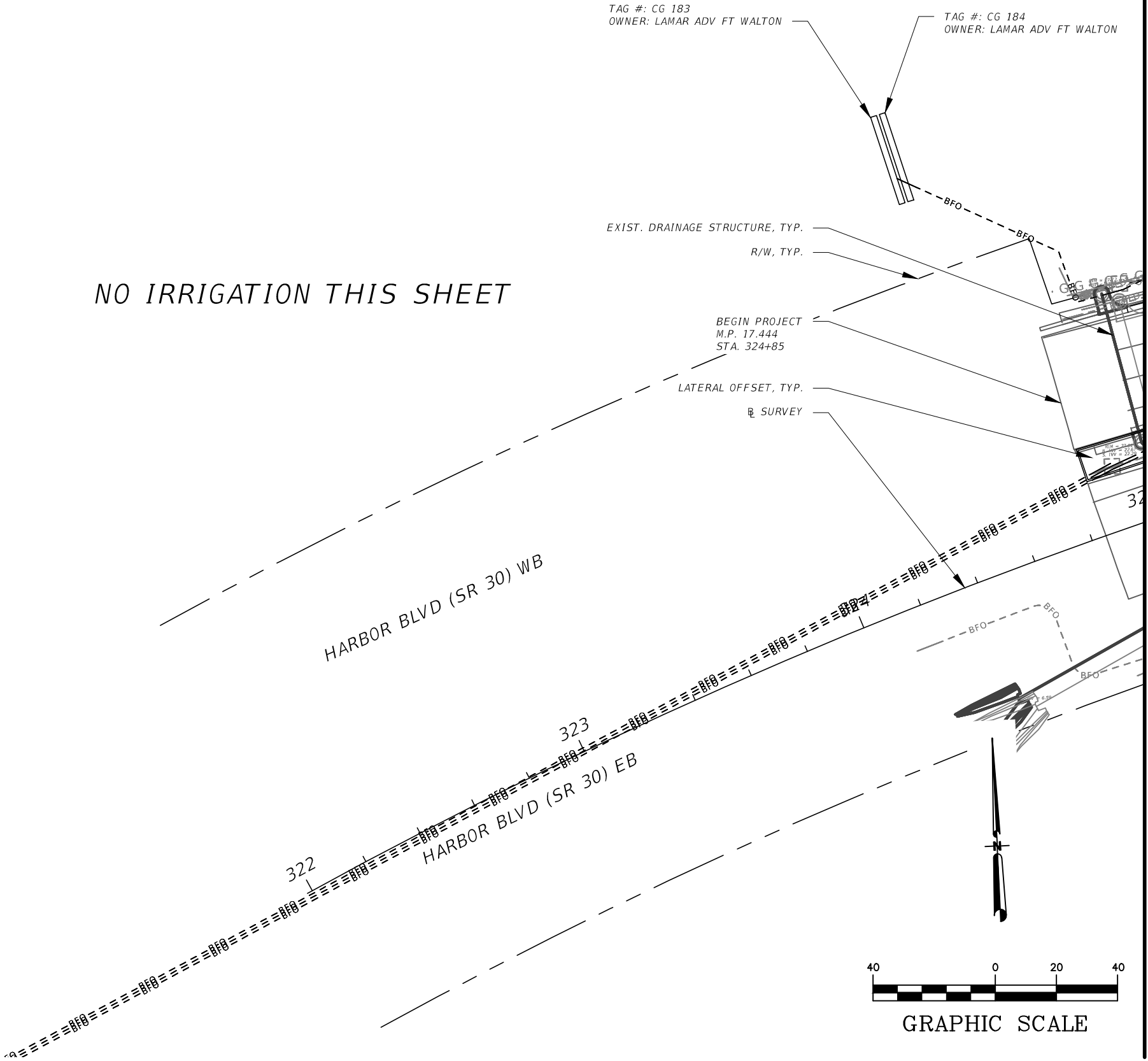
HUNTER ICD-100 SINGLE ADDRESS DECODER
- D2

HUNTER ICD-200 DOUBLE ADDRESS DECODER
- G

GROUND ROD FROM DECODER
- HUNTER ICV IRRIGATION CONTROL VALVE WITH 24V SOLENOID
- CLASS 200 PVC PANTONE PURPLE MAINLINE, SOLVENT WELD
- CLASS 200 PVC PANTONE PURPLE LATERAL LINE, SOLVENT WELD
- HDPE DR11 DIRECTIONAL BORE SLEEVE, SIZE AS NOTED ON PLANS.
- SCHEDULE 40 PVC SLEEVE, SIZE AS NOTED ON PLANS.

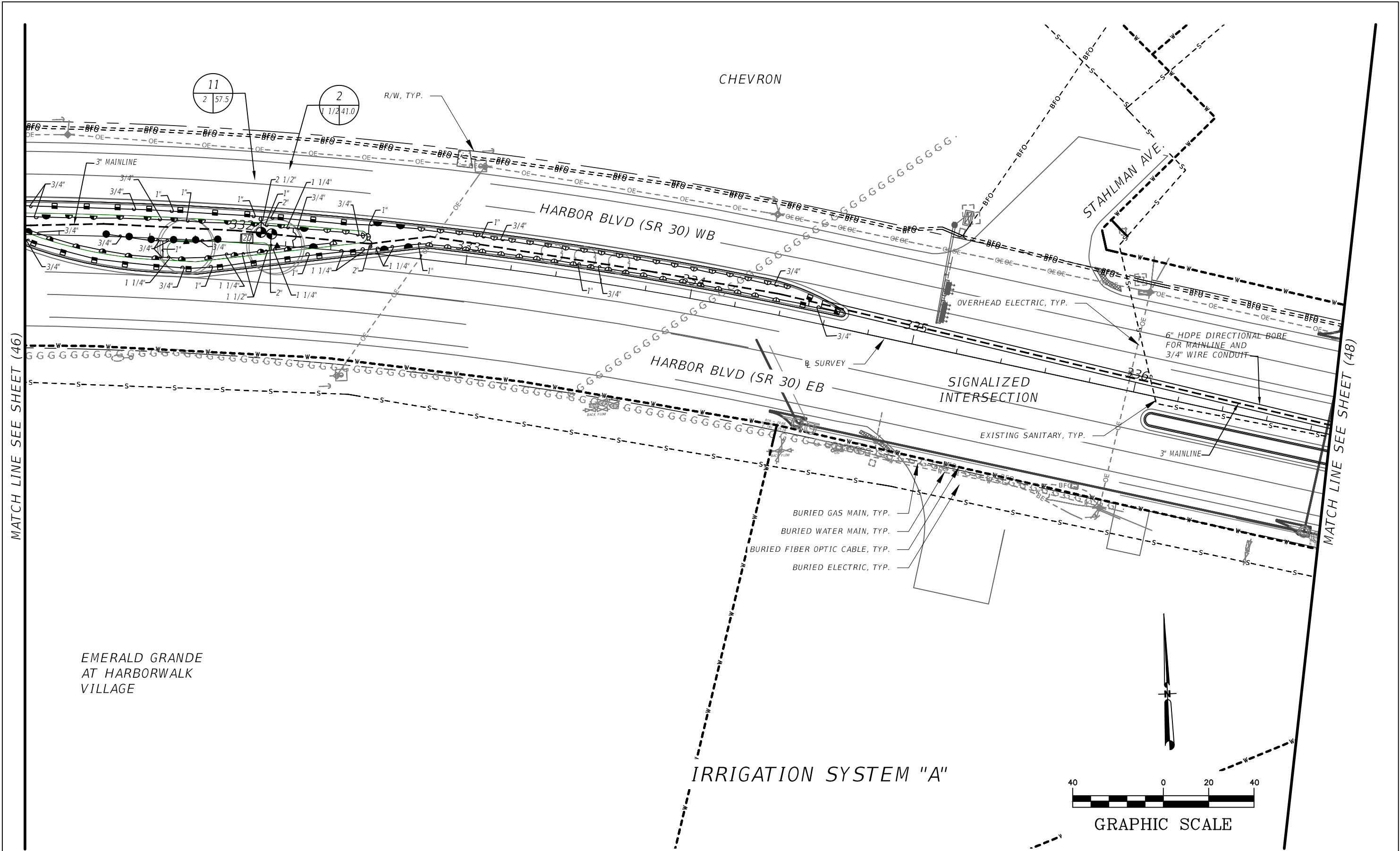
REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION NOTES & LEGEND	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		44
					SR 30	OKALOOSA	445907-1-52-01		

NO IRRIGATION THIS SHEET



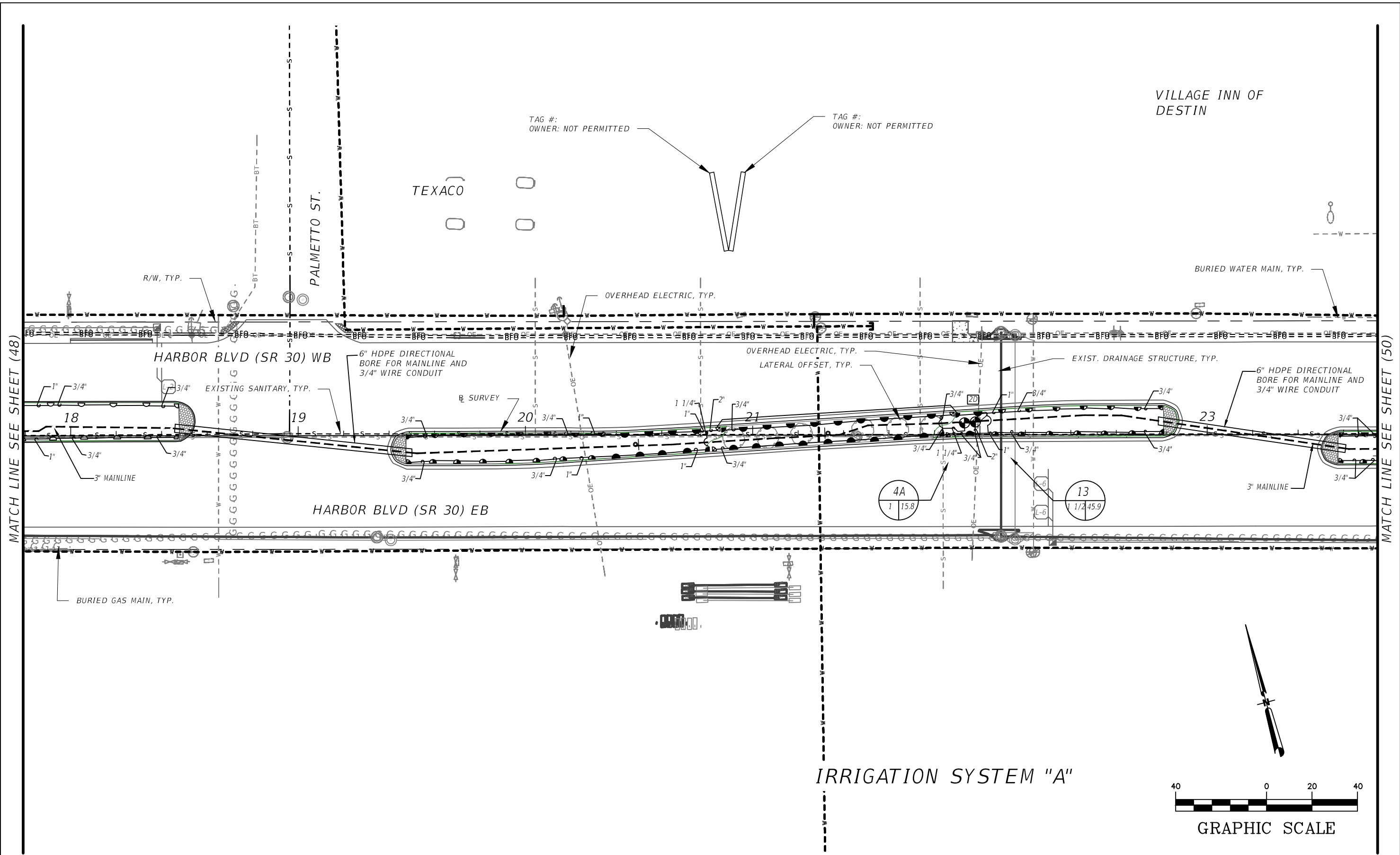
REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		45
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REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		46
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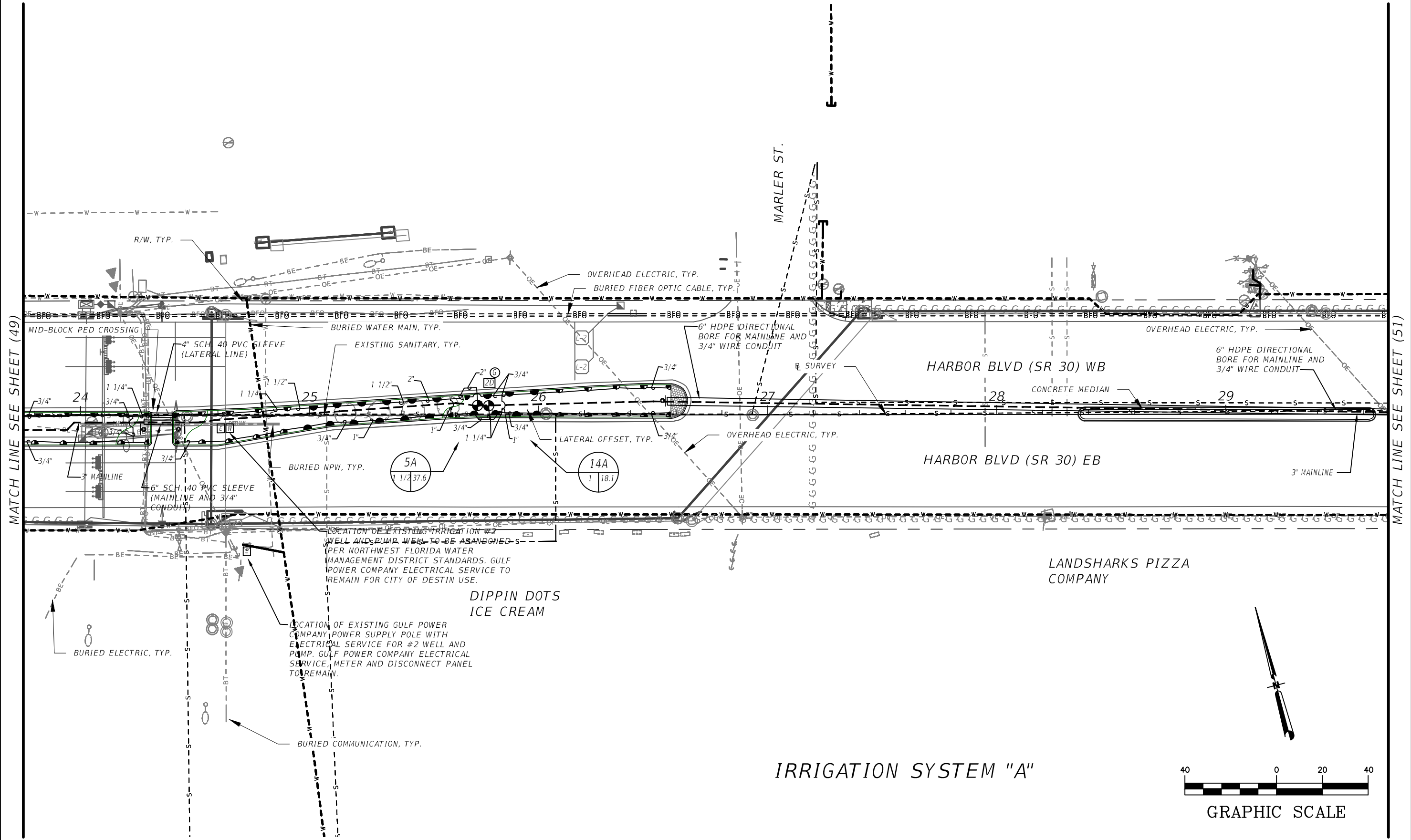
REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION PLAN	SHEET NO. 47
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		49
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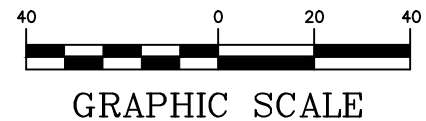
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MATCH LINE SEE SHEET (49)

MATCH LINE SEE SHEET (51)

IRRIGATION SYSTEM "A"

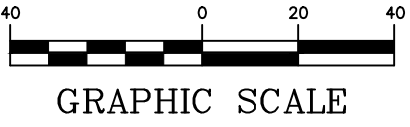
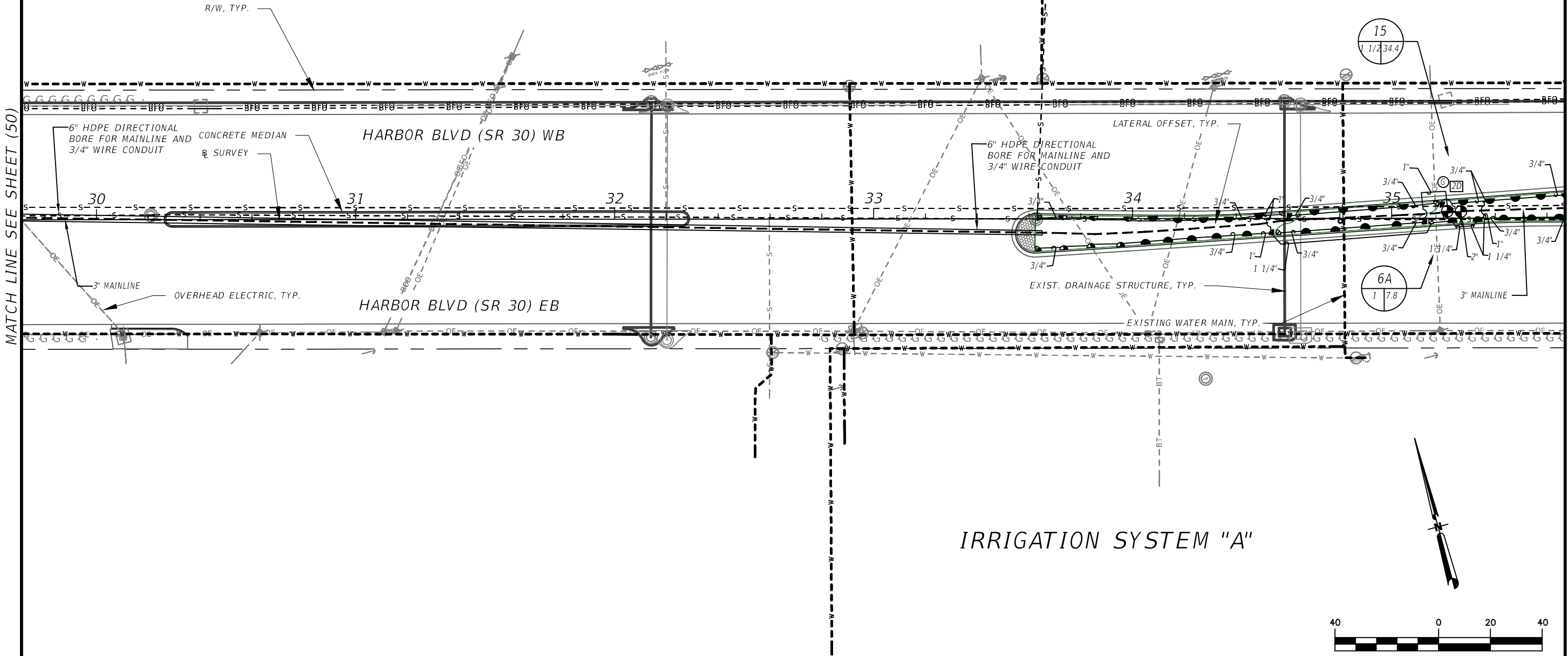


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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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ST ANDREWS
EPISCOPAL CHURCH

PATIOS PLUS



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MAJCH LINE SEE SHEET (51)



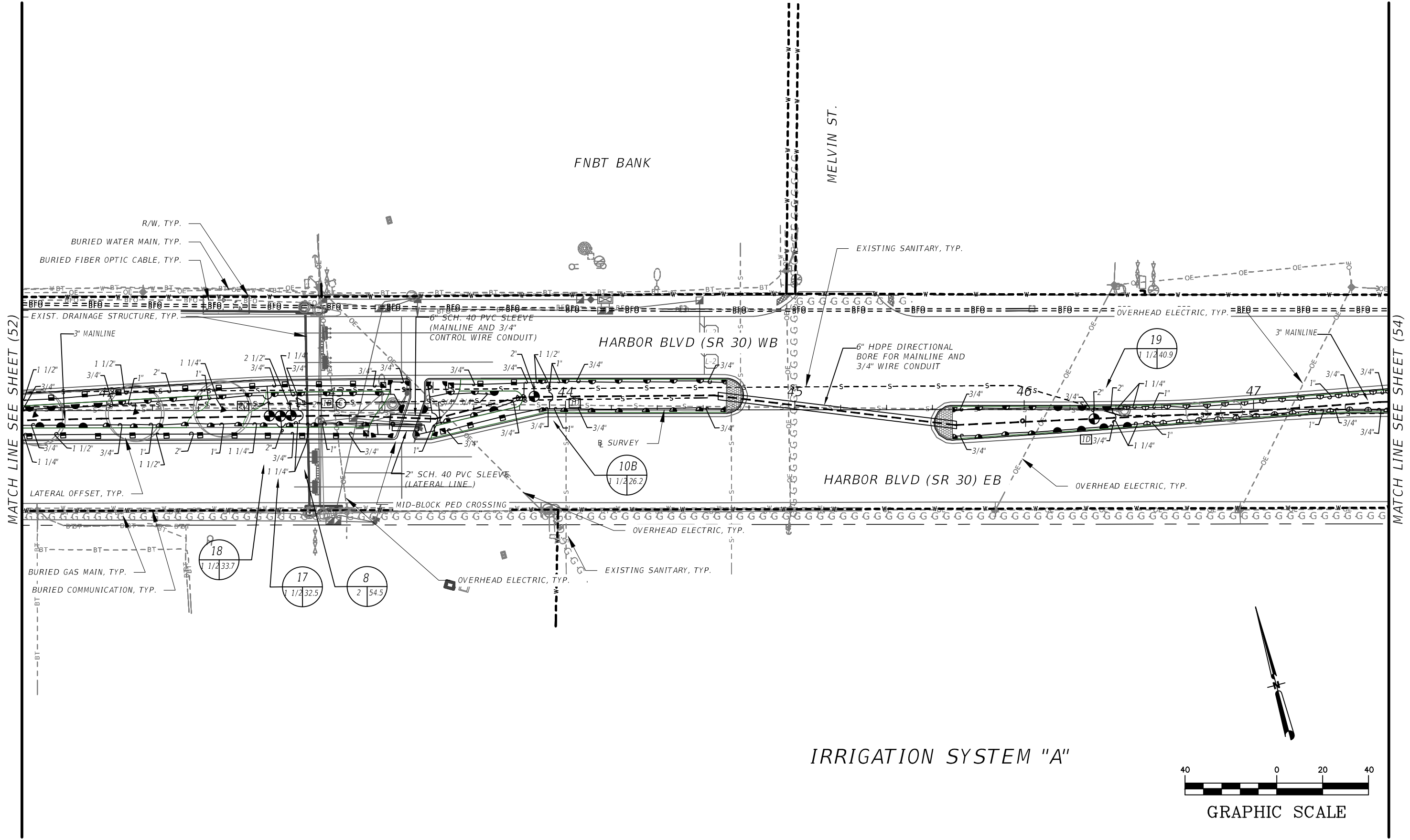
PROPOSED 5" WELL WITH 7.5 HP SUBMERSIBLE PUMP.
IRRIGATION DEMAND OF 60 GPM AT 65 PSI.
UL COMPLIANT PUMP STATION PACKAGE ALSO INCLUDES: VFD DRIVE,
FILTER, BACKFLOW PREVENTER, FLOW SENSOR, MASTER VALVE,
IRRIGATION DECODER CONTROLLER, RAIN/WIND/FREEZE SENSOR,
ELECTRICAL CONTROL PANEL, ENCLOSURE, AND ADDITIONAL 120
VOLT OUTLET CONNECTION FOR CITY OF DESTIN USE.
REFER TO IRRIGATION DETAILS (1) FOR PUMP STATION COMPONENTS.

GRAPHIC SCALE

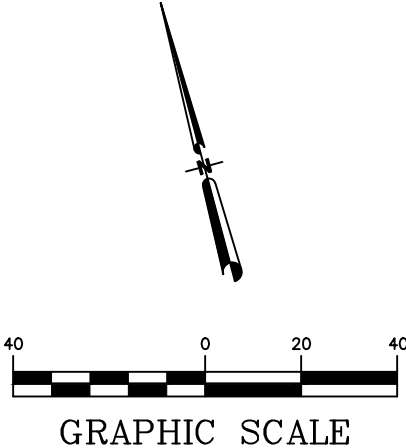
REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		52
					SR 30	OKALOOSA	445907-1-52-01		

MATCH LINE SEE SHEET (52)

MATCH LINE SEE SHEET (54)

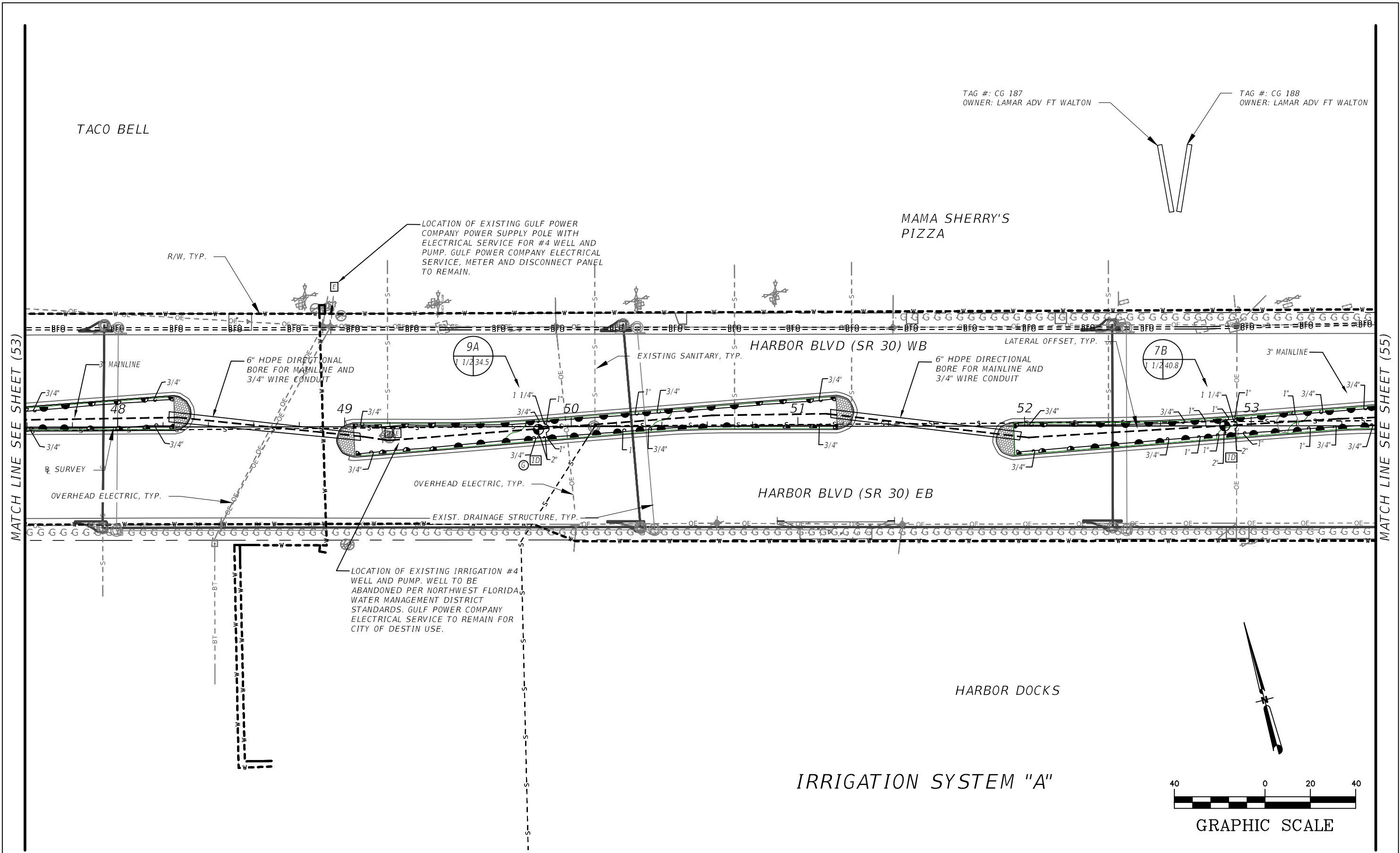


IRRIGATION SYSTEM "A"



REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION PLAN	SHEET NO. 53
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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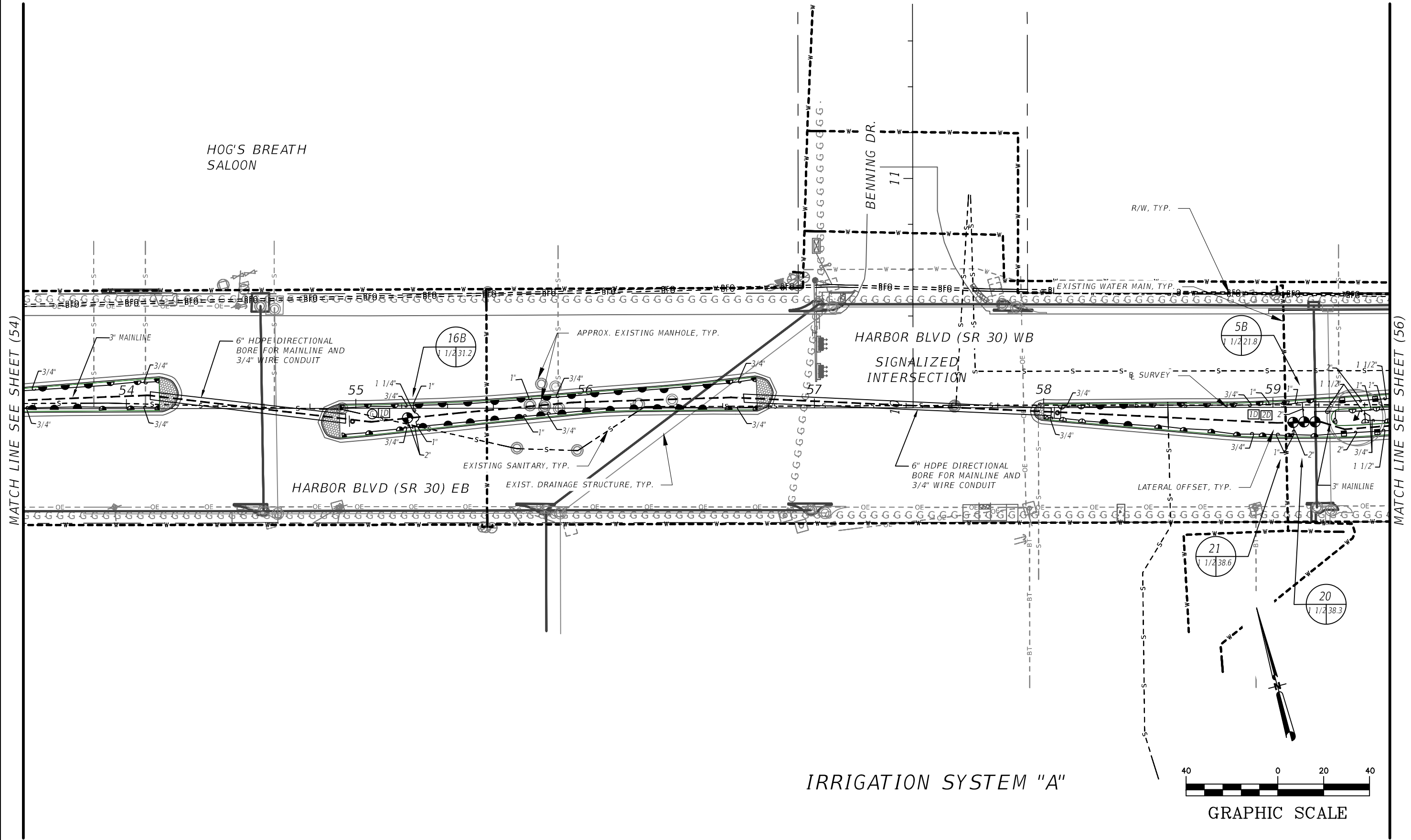
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		54

MATCH LINE SEE SHEET (54)

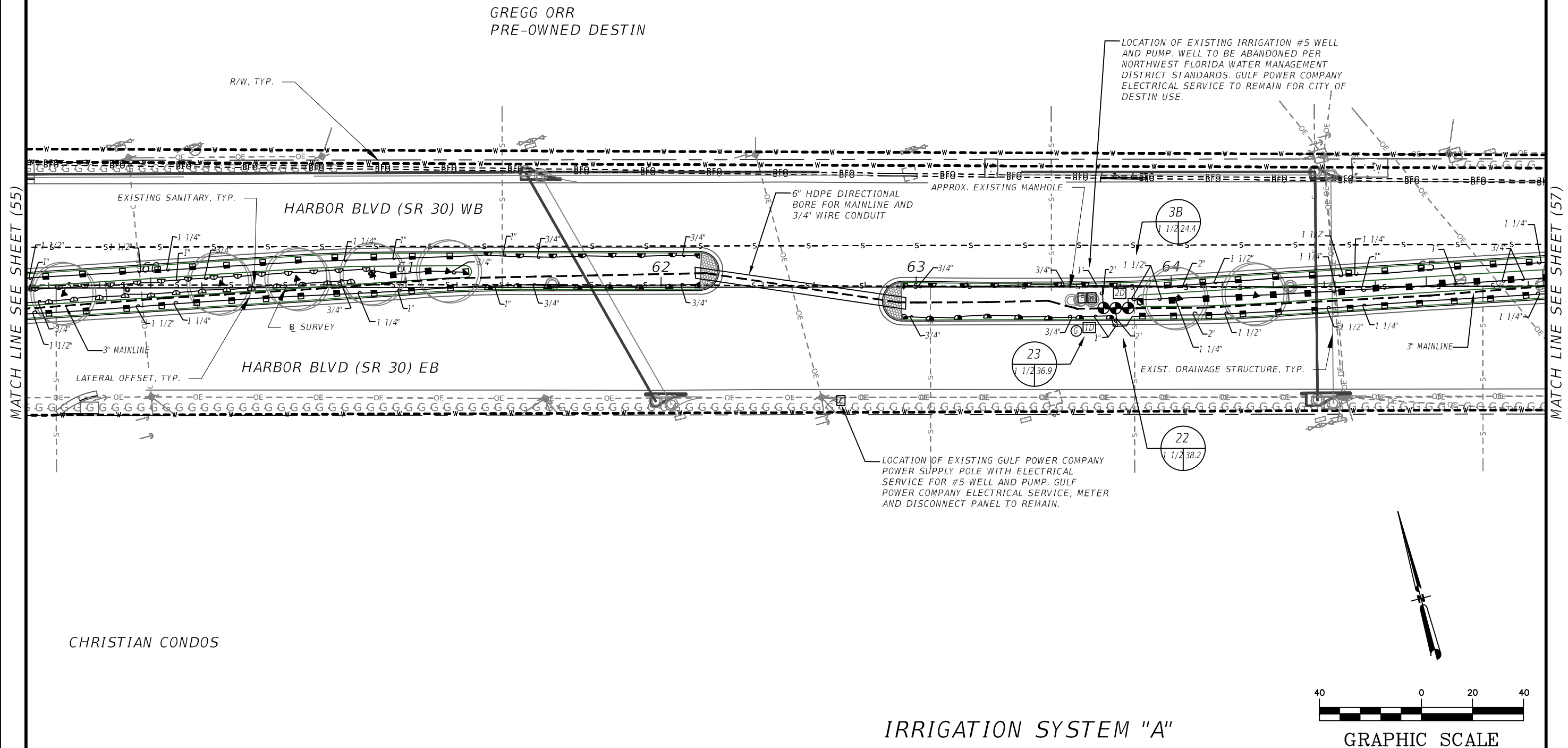
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		

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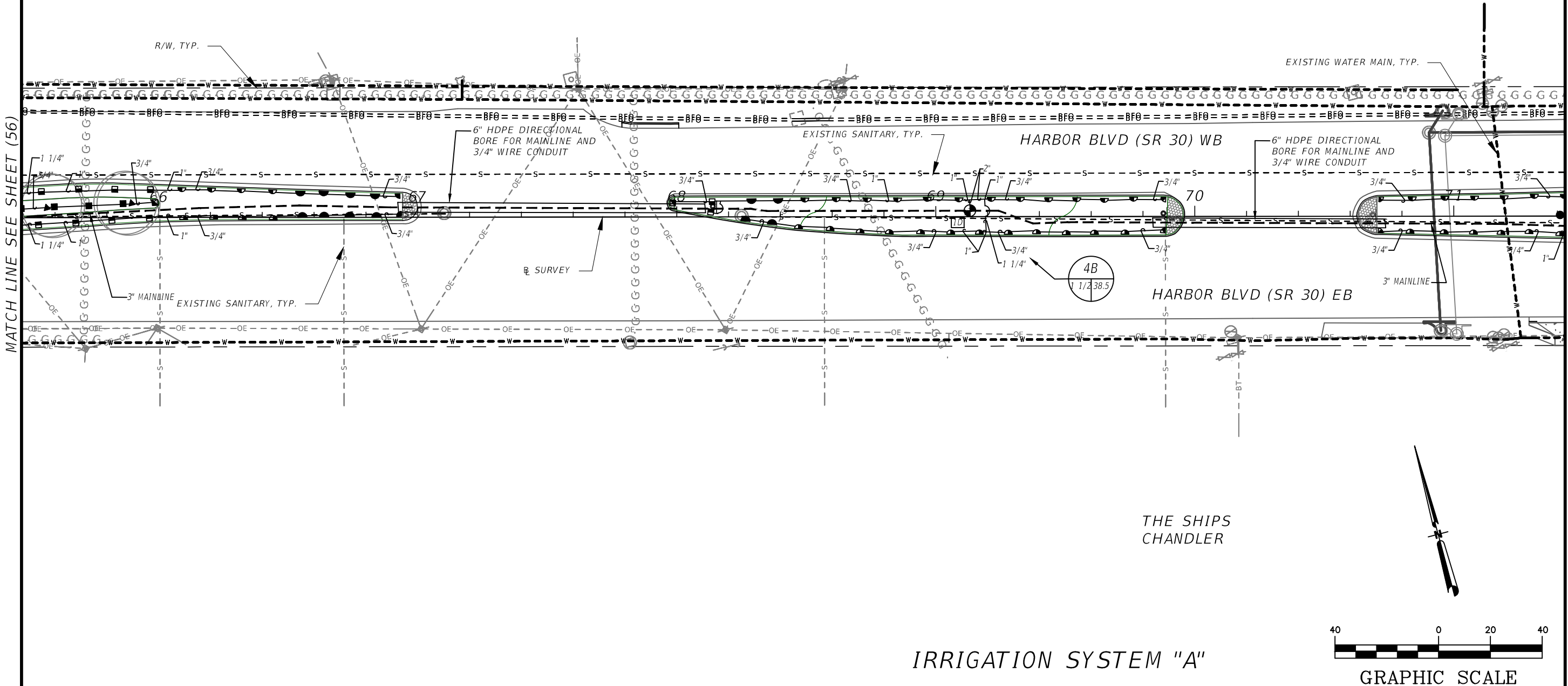
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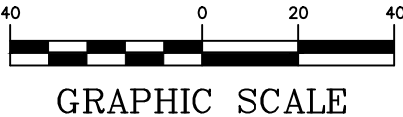
REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION PLAN	SHEET NO. 56
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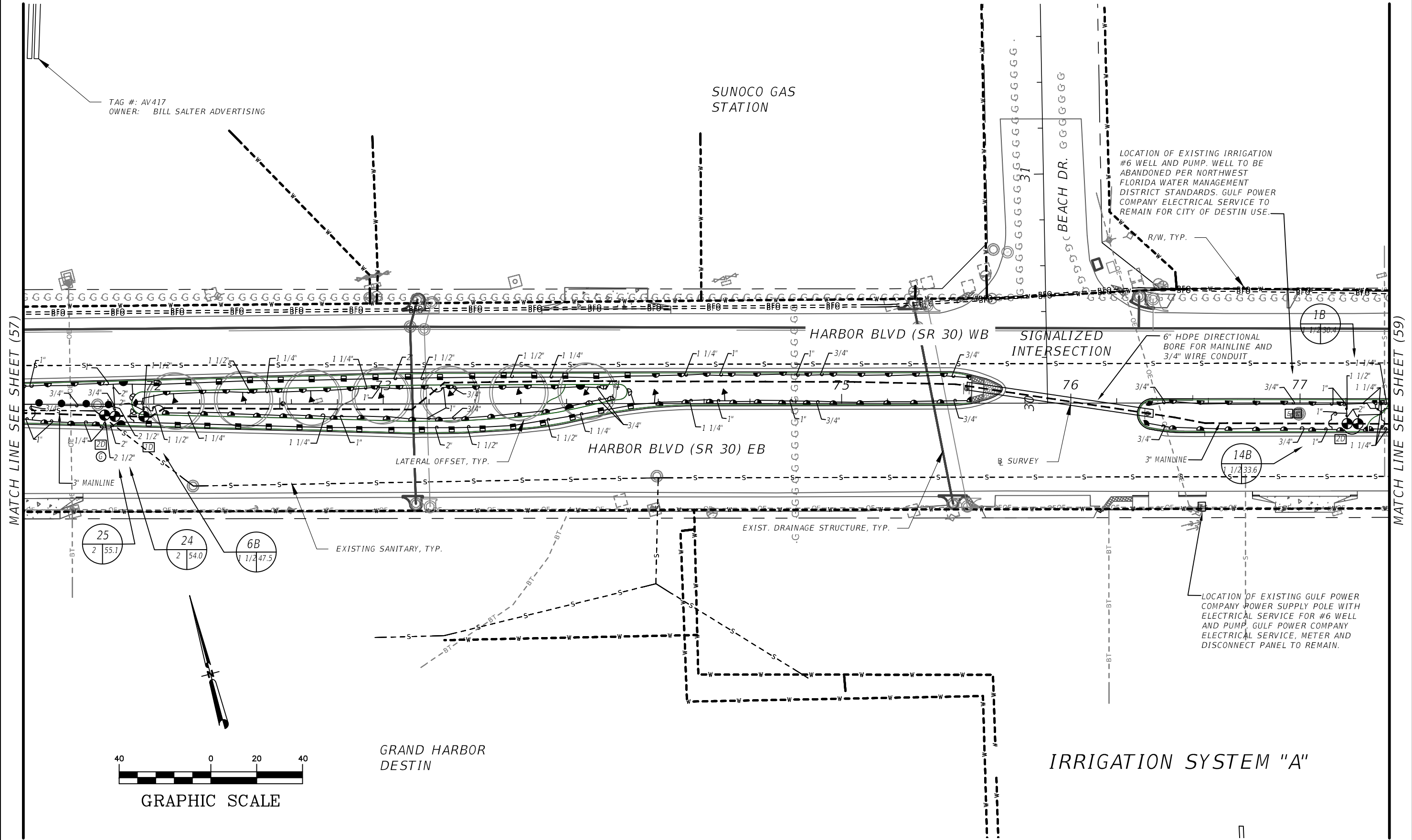
DONUT HOLE
BAKERY CAFE



IRRIGATION SYSTEM "A"



REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		57
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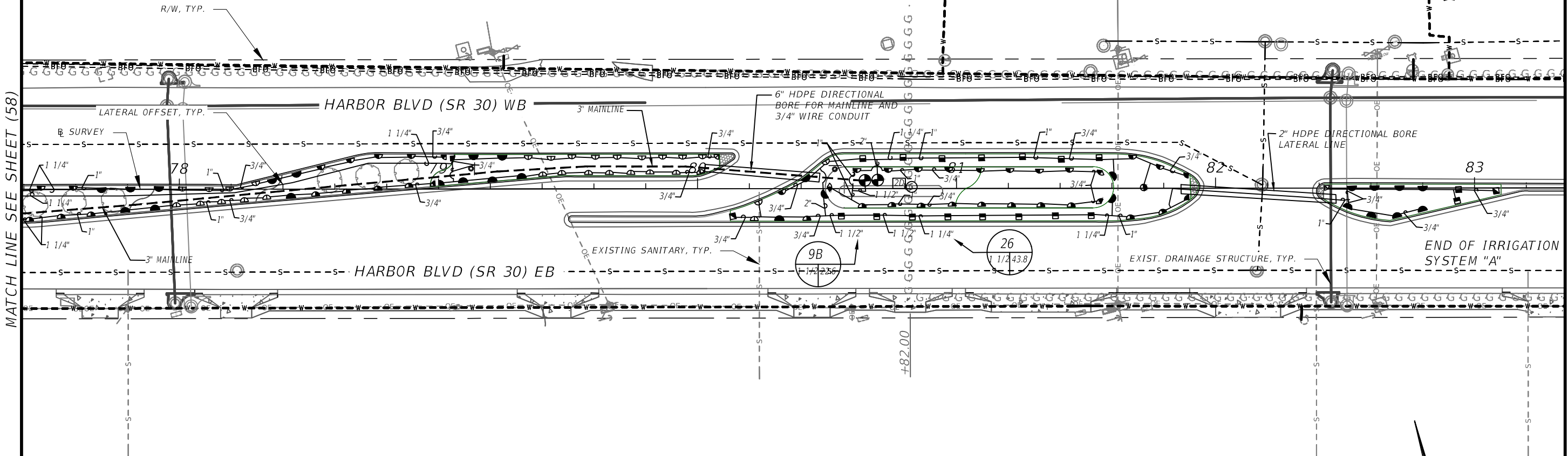
REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		58
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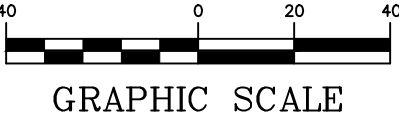
SHRIMP BASKET
DESTIN

TAG #: CF524
OWNER: BILL SALTER ADVERTISING

TAG #: BH138
OWNER: BILL SALTER ADVERTISING



IRRIGATION SYSTEM "A"



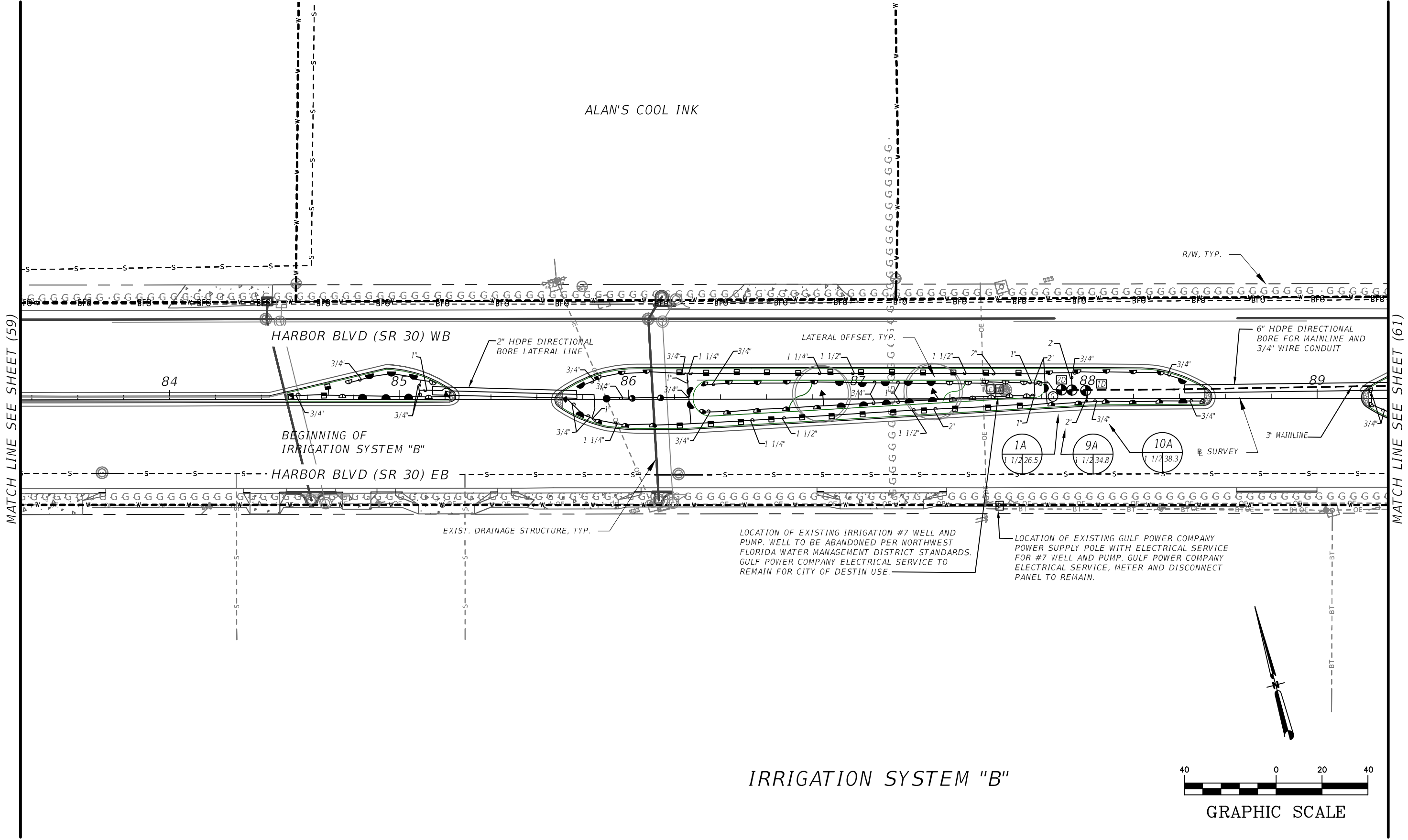
REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION PLAN	SHEET NO.
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ALAN'S COOL INK

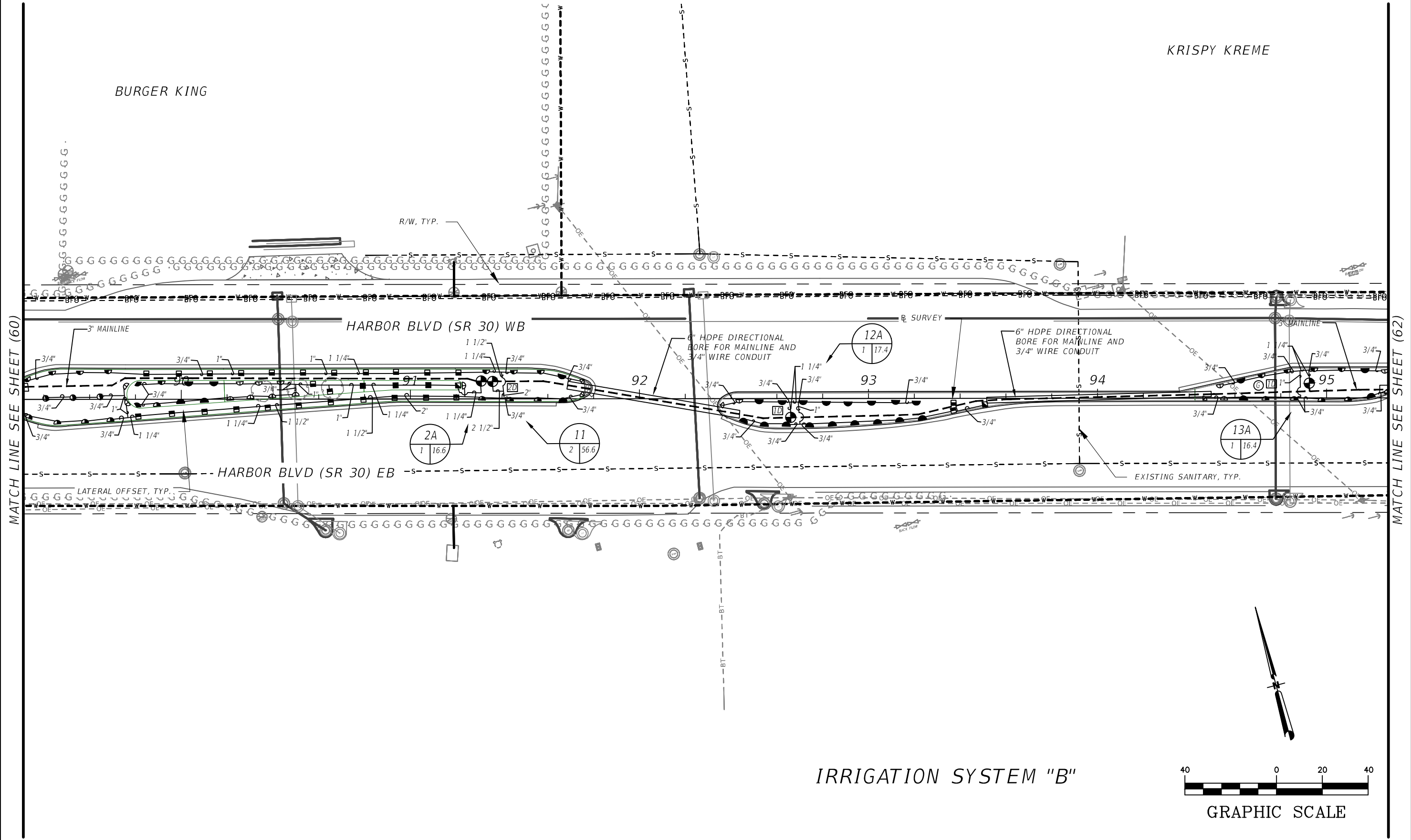
MATCH LINE SEE SHEET (59)

MATCH LINE SEE SHEET (61)



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					SR 30	OKALOOSA	445907-1-52-01	60	

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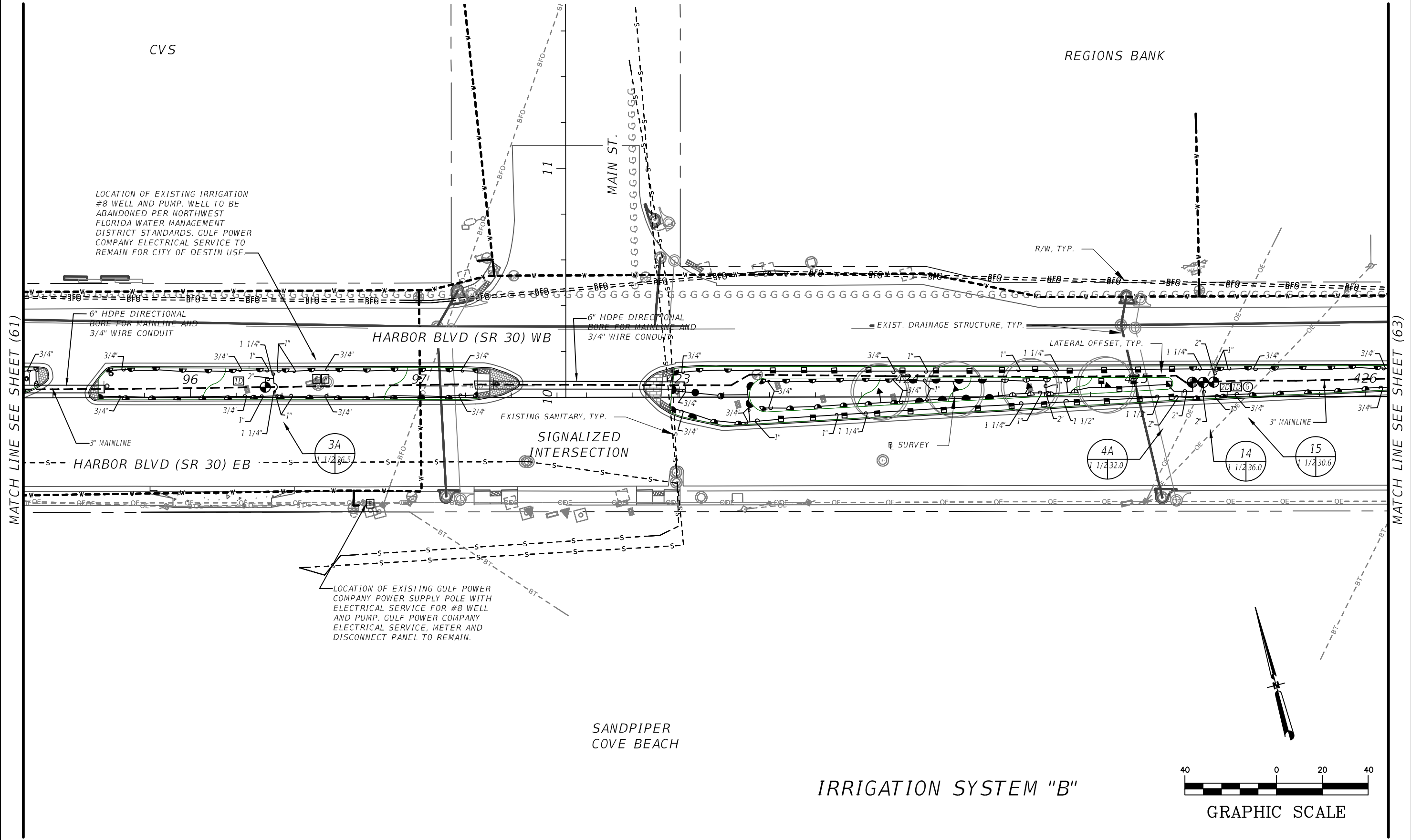


MATCH LINE SEE SHEET (60)

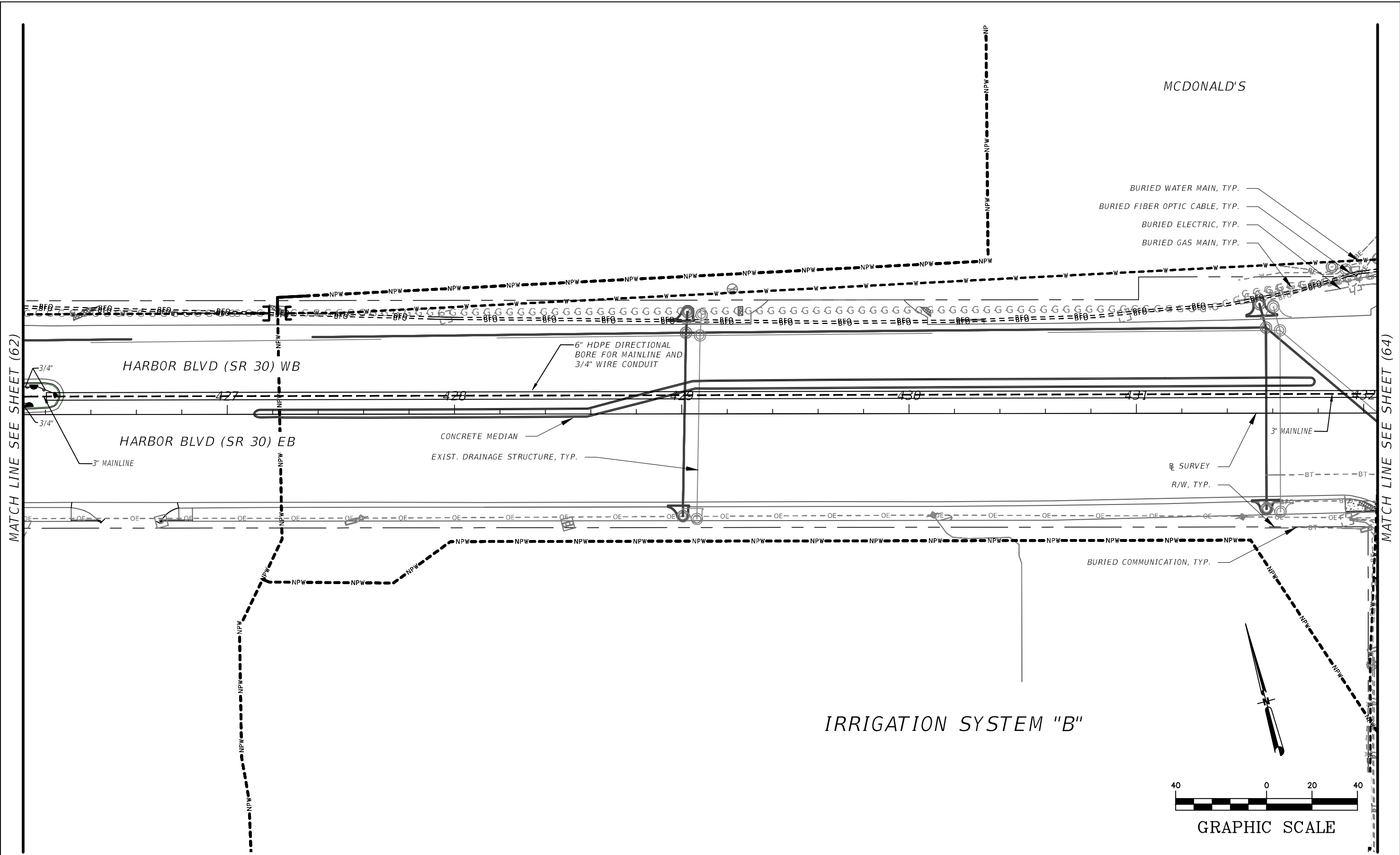
MATCH LINE SEE SHEET (62)

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REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		61

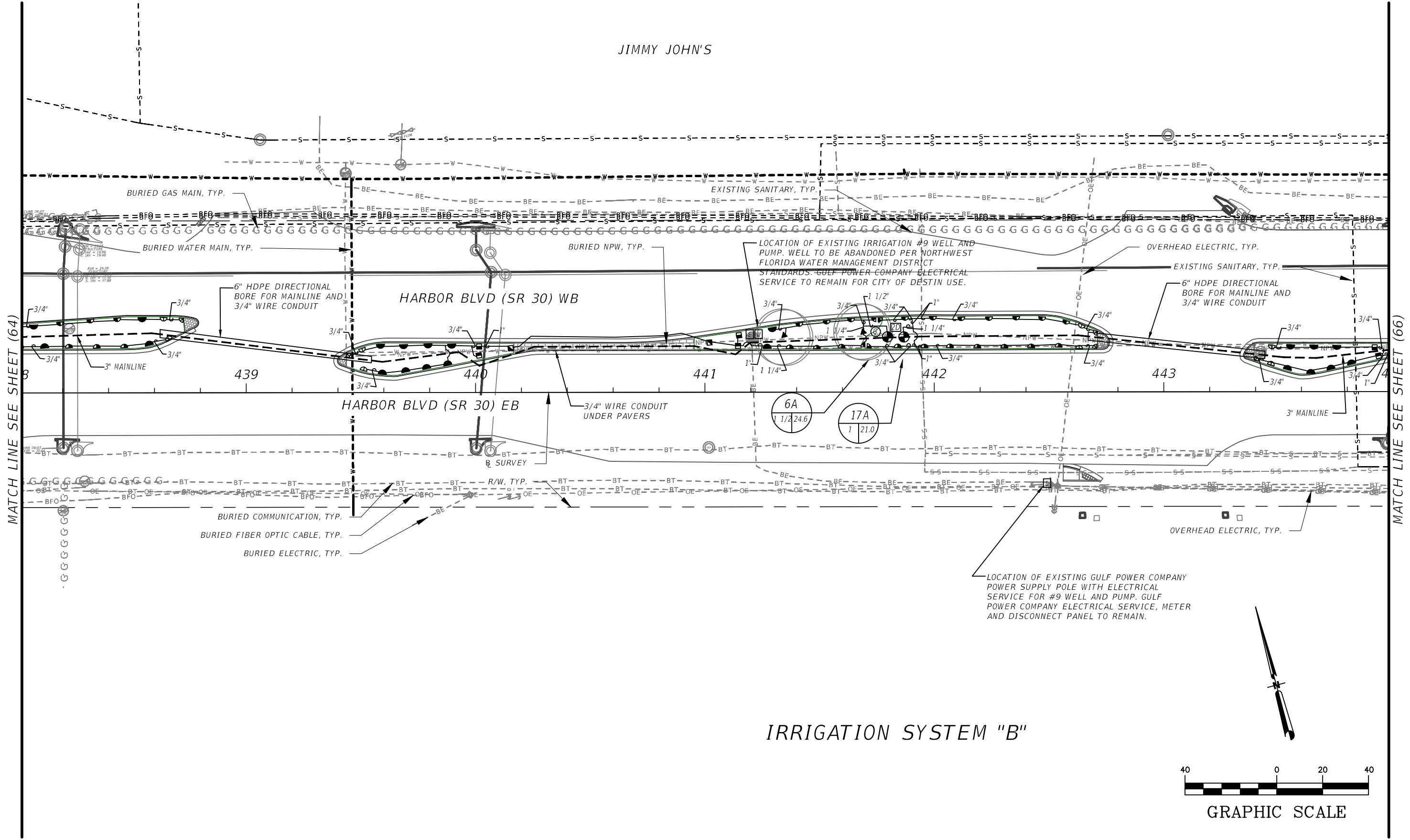


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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		62



REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		63

JIMMY JOHN'S



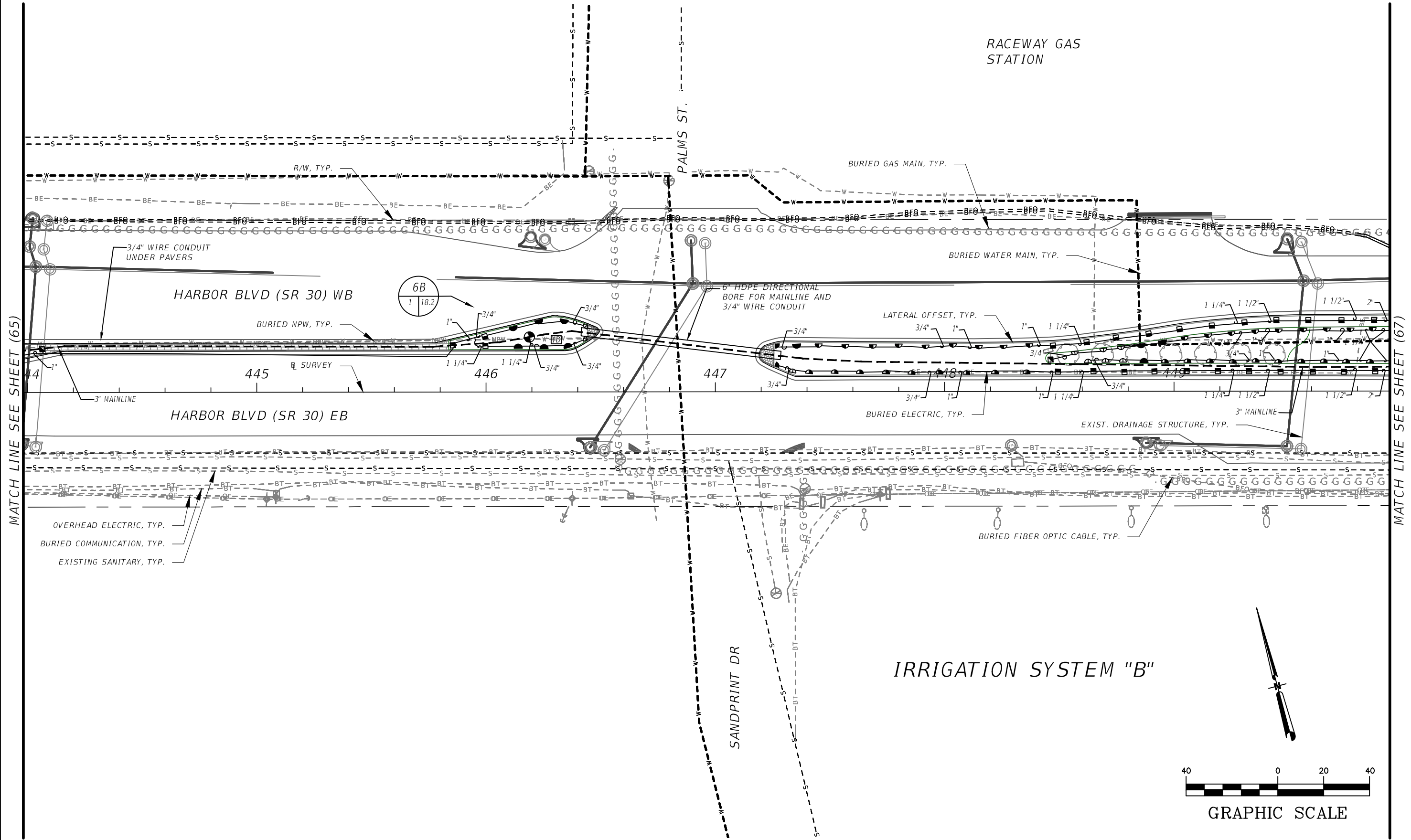
IRRIGATION SYSTEM "B"

REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		65

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MATCH LINE SEE SHEET (65)

MATCH LINE SEE SHEET (67)



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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		66

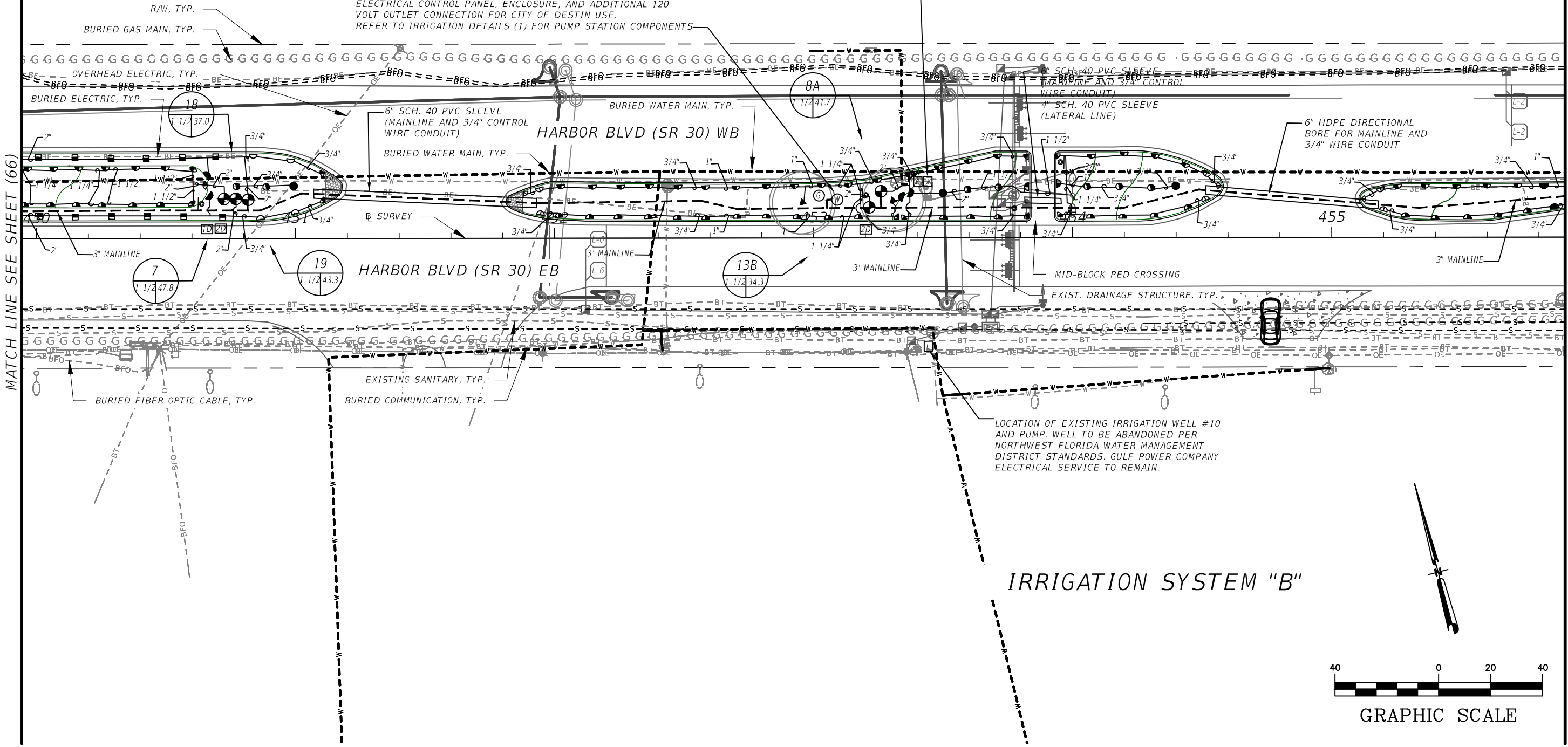
BIG KAHUNA'S
WATER &
ADVENTURE PARK

SYSTEM "B"

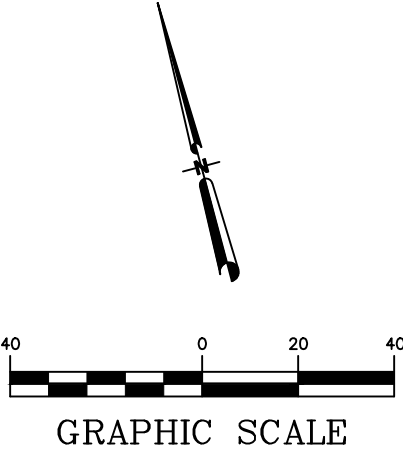
PROPOSED 5" WELL WITH 7.5 HP SUBMERSIBLE PUMP.
IRRIGATION DEMAND OF 60 GPM AT 65 PSI.
UL COMPLIANT PUMP STATION PACKAGE ALSO INCLUDES: VFD DRIVE,
FILTER, BACKFLOW PREVENTER, FLOW SENSOR, MASTER VALVE,
IRRIGATION DECODER CONTROLLER, RAIN/WIND/FREEZE SENSOR,
ELECTRICAL CONTROL PANEL, ENCLOSURE, AND ADDITIONAL 120
VOLT OUTLET CONNECTION FOR CITY OF DESTIN USE.
REFER TO IRRIGATION DETAILS (1) FOR PUMP STATION COMPONENTS

LOCATION OF EXISTING IRRIGATION #10 WELL AND
PUMP. WELL TO BE ABANDONED PER NORTHWEST
FLORIDA WATER MANAGEMENT DISTRICT STANDARDS.
GULF POWER COMPANY ELECTRICAL SERVICE TO
REMAIN AND ROUTED TO PROPOSED PRE-FABRICATED
WELL AND PUMP STATION PACKAGE.

LOCATION OF EXISTING IRRIGATION WELL #10
AND PUMP. WELL TO BE ABANDONED PER
NORTHWEST FLORIDA WATER MANAGEMENT
DISTRICT STANDARDS. GULF POWER COMPANY
ELECTRICAL SERVICE TO REMAIN.



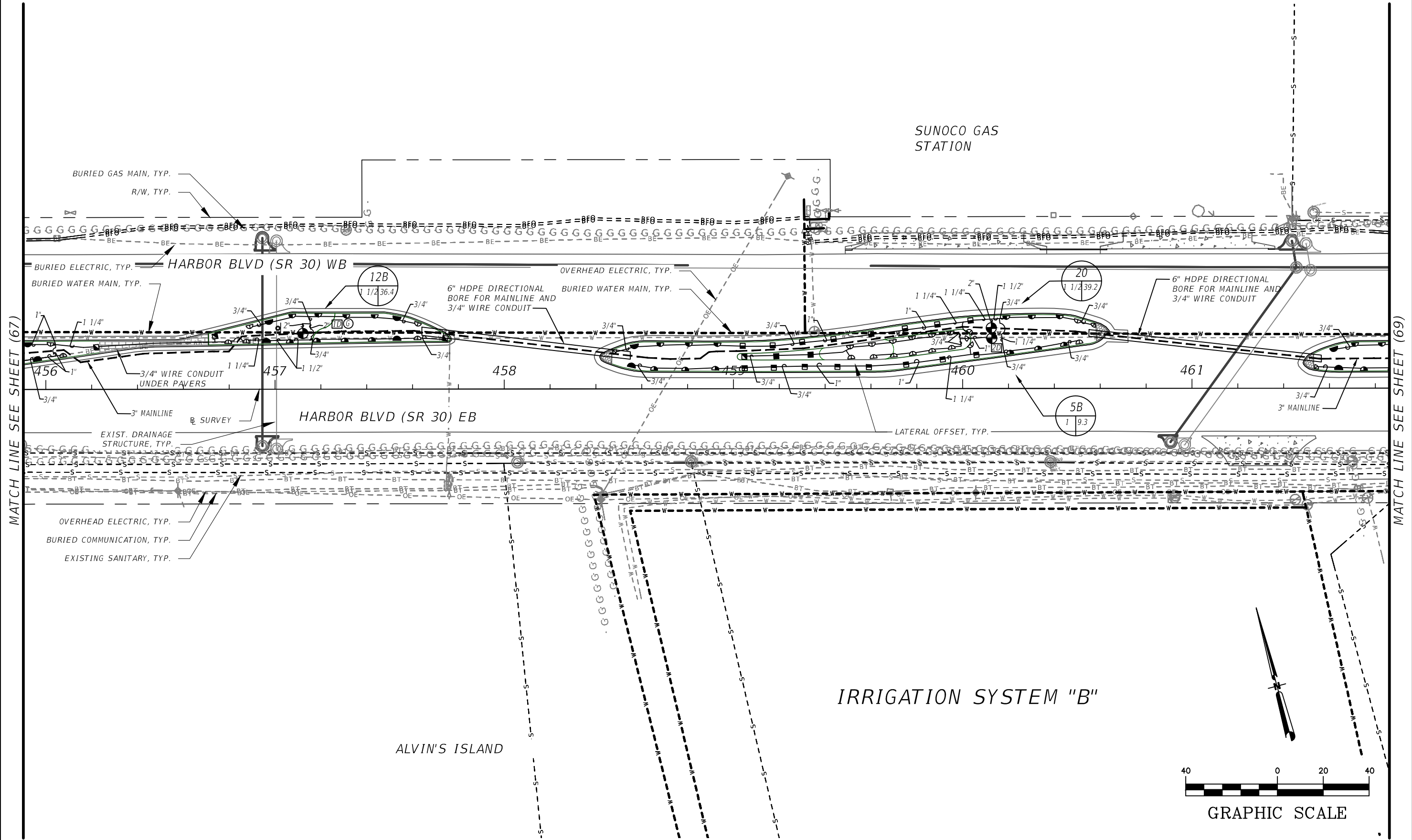
IRRIGATION SYSTEM "B"



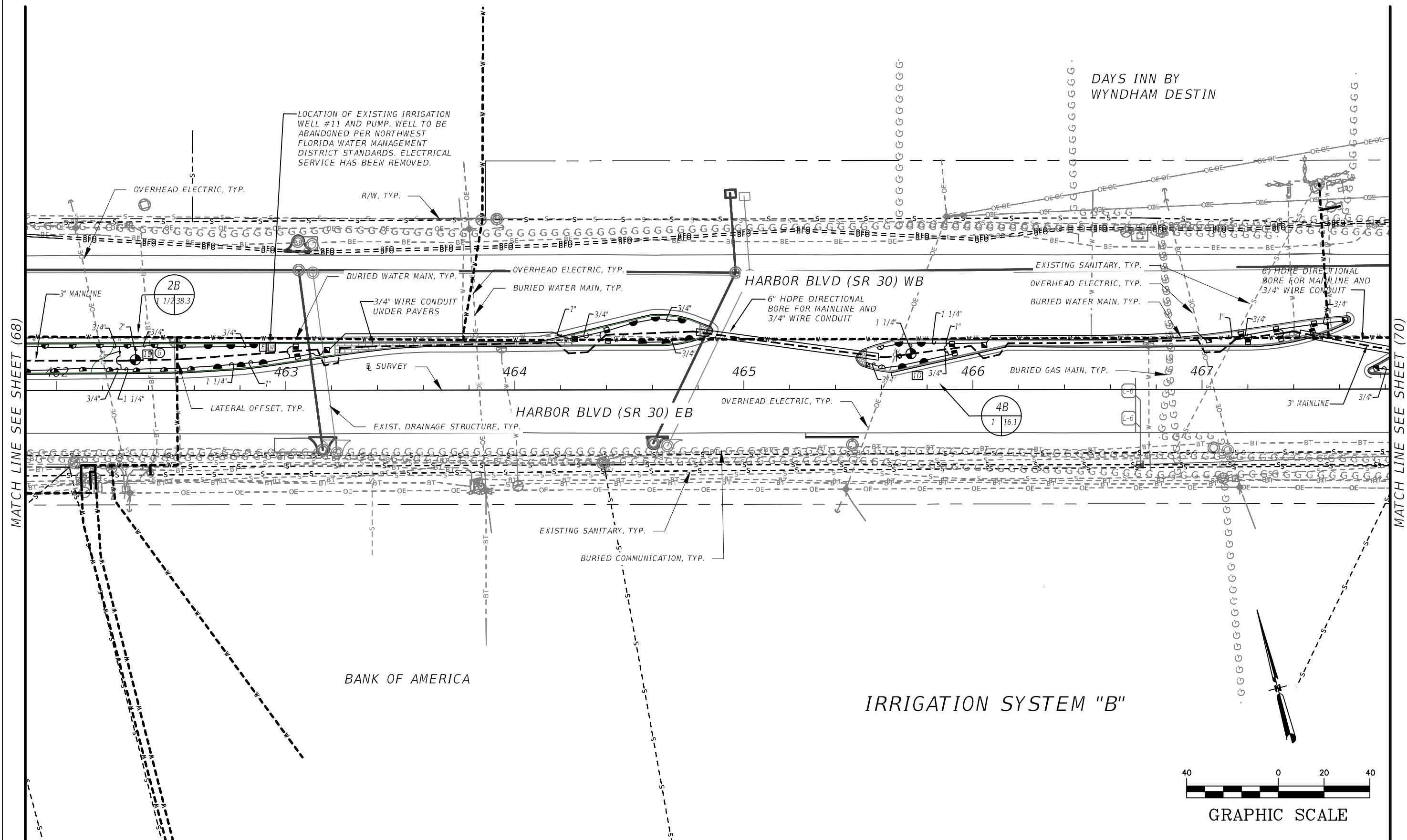
REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION PLAN	SHEET NO. 67
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		

MATCH LINE SEE SHEET (67)

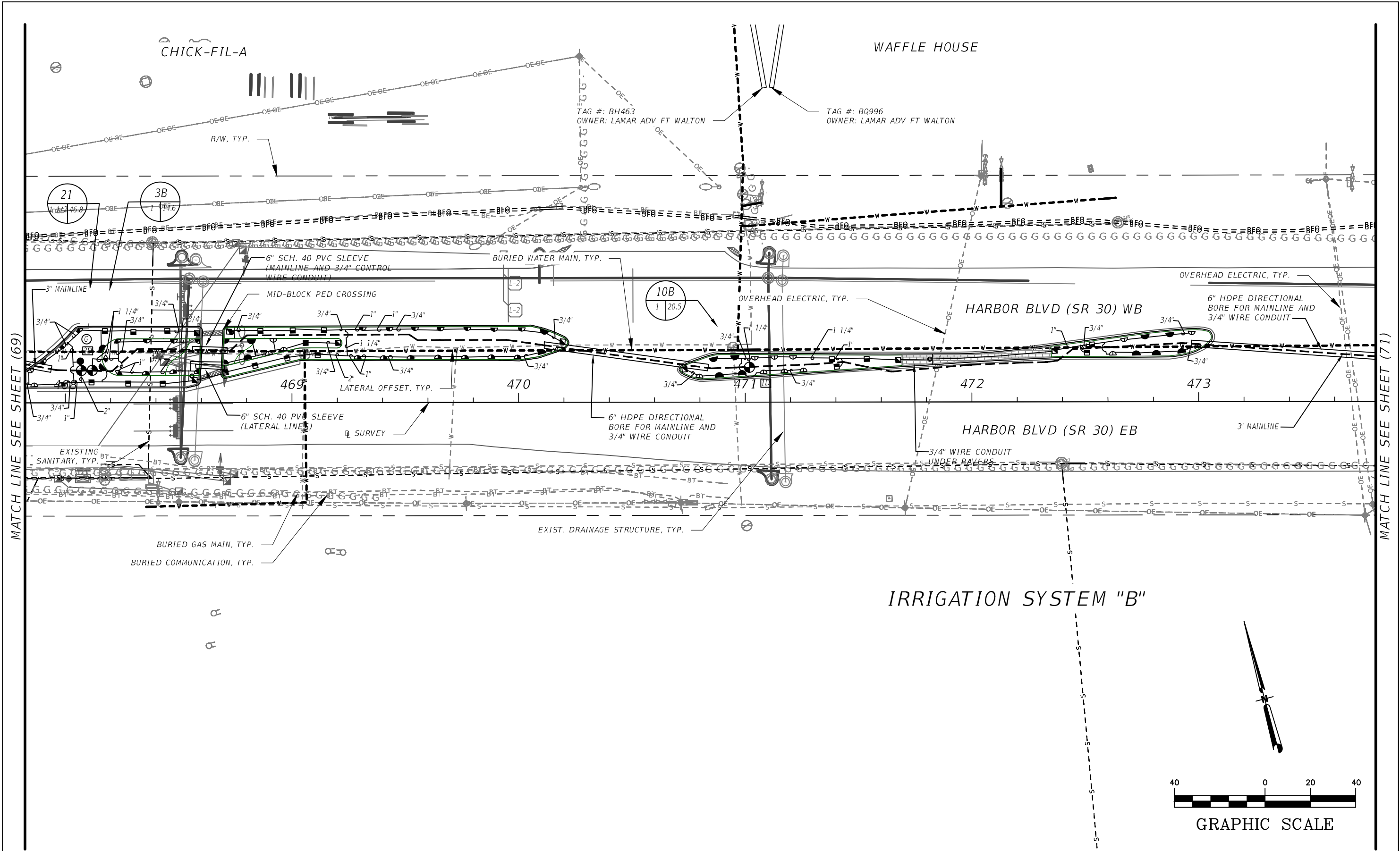
MATCH LINE SEE SHEET (69)



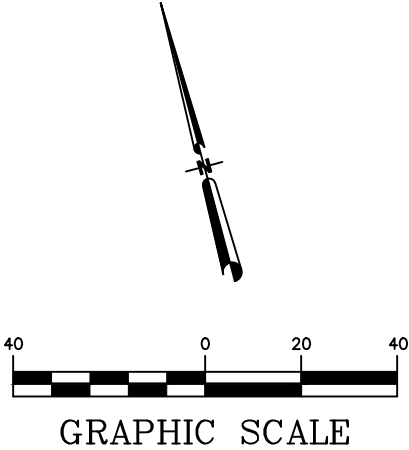
REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION PLAN	SHEET NO. 68
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		



REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		69
					SR 30	OKALOOSA	445907-1-52-01		



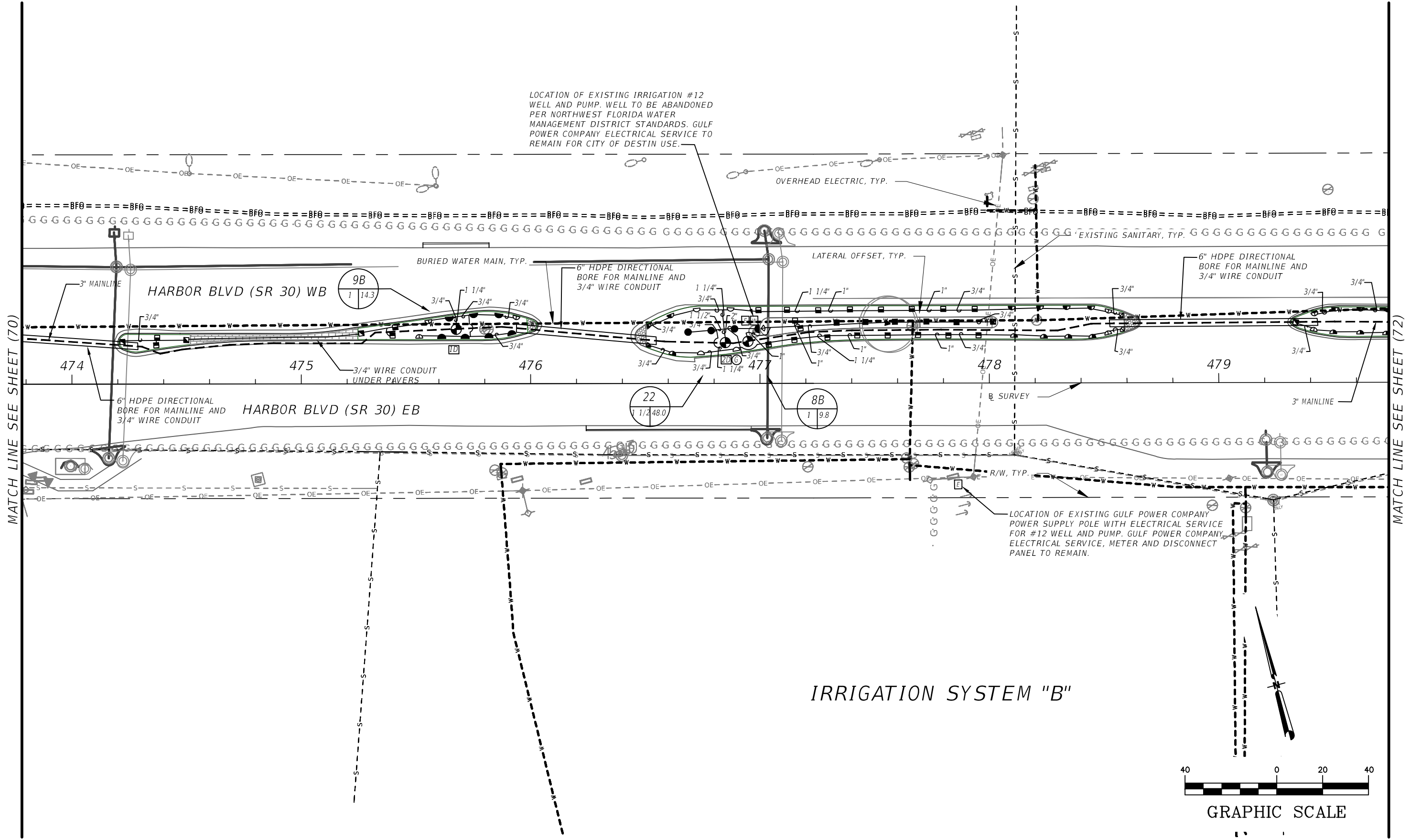
IRRIGATION SYSTEM "B"



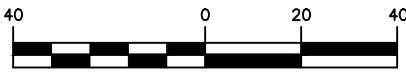
REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION PLAN	SHEET NO. 70
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		

MATCH LINE SEE SHEET (70)

MATCH LINE SEE SHEET (72)

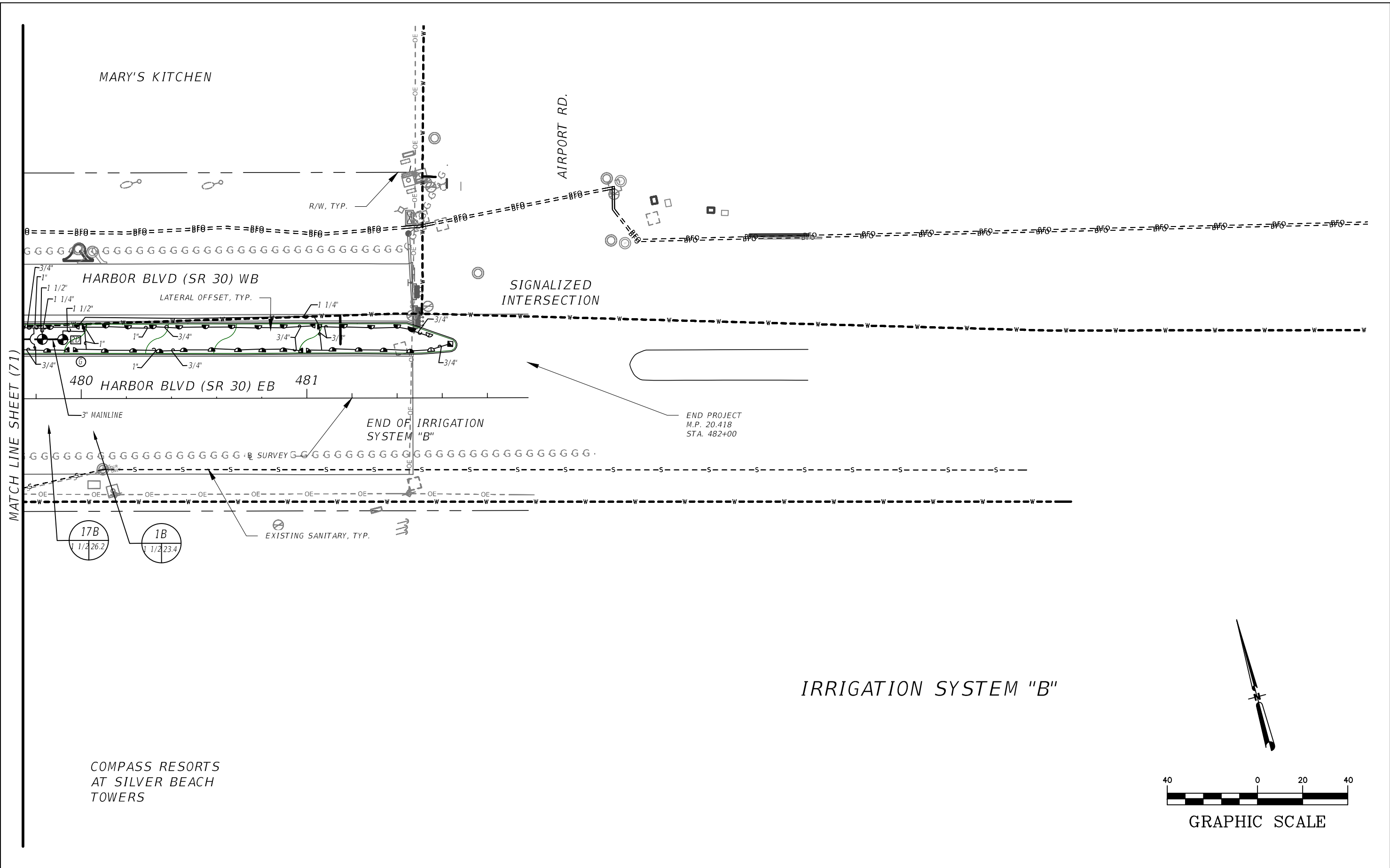


IRRIGATION SYSTEM "B"



GRAPHIC SCALE

REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION PLAN	SHEET NO. 71
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		



REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		72
					SR 30	OKALOOSA	445907-1-52-01		

THE PUMP STATION PACKAGE SHALL BE UL 778 COMPLIANT PACKAGE PUMP SYSTEM. THE ASSEMBLY SHALL INCLUDE THE CERTIFICATION MARK OF THE NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL).

WELL NOTES:

- 1. ALL EXPOSED WELL EQUIPMENT TO BE PAINTED 2 COATS OF DARK GREEN FLAT EXTERIOR ENAMEL PAINT.
- 2. ALL MATERIAL MUST BE INSTALLED PER LOCAL CODES. CONTRACTOR WILL BE HELD RESPONSIBLE FOR CODE COMPLIANCE.
- 3. ELECTRICAL POWER SUPPLY TO THE PUMP CONTROL BOX AND IRRIGATION IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL ELECTRICAL WORK SHALL BE BY A QUALIFIED ELECTRICAL CONTRACTOR. REFER TO THE GENERAL ELECTRICAL NOTES ON THE NOTES AND LEGEND SHEET.
- 4. WELL TESTING: WELL DRILLER SHALL NOTIFY THE PUMP SYSTEM MANUFACTURER IN WRITING WITHIN 24 HOURS OF DEVELOPING THE WELL IF THE WELL PUMPING LEVEL IS GREATER THAN 25' BELOW FINISHED GRADE AFTER 8 HOURS OF CONTINUOUS PUMPING AT 125% (75 GPM) OF THE 60 GPM DESIGN FLOW.
- 5. PROVIDE MINIMUM OF 4' CLEARANCE ON ALL SIDES OF PUMP ENCLOSURE.
- 6. CONTRACTOR TO PROVIDE AN ADDITIONAL LOCK FOR PUMP ACCESS THROUGHOUT THE INSTALLATION AND ESTABLISHMENT PERIOD.

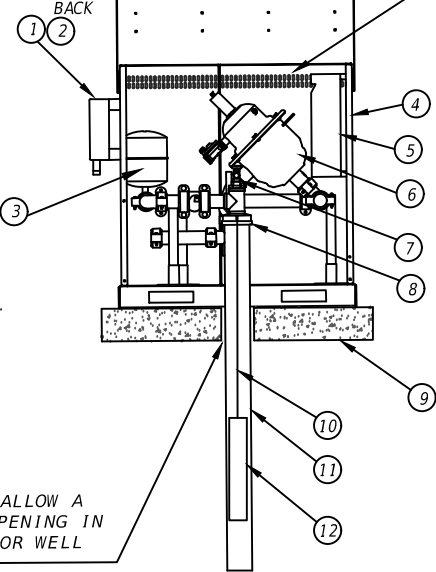
CONTRACTOR NOTES:

- 1. PREPARE AND SUBMIT A WELL CONSTRUCTION PERMIT FOR THE PROJECT AND PAY ALL APPLICABLE APPLICATION FEES. SUBMIT THE APPROVED WATER USE PERMIT TO THE ENGINEER AND LANDSCAPE ARCHITECT OF RECORD PRIOR TO CONSTRUCTION.
- 2. SUBMIT SHOP DRAWINGS OF ALL WELL AND PUMP STATION PACKAGE COMPONENTS TO ENGINEER AND LANDSCAPE ARCHITECT OF RECORD FOR REVIEW PRIOR TO CONSTRUCTION.

PROVIDE MINIMUM OF 4' CLEARANCE ON ALL SIDES OF PUMP ENCLOSURE

PADLOCK REQUIRED FOR PUMP ENCLOSURE, SEE WELL NOTE NO. 6.

ENCLOSURE CABINET VENTS. VENT LOCATIONS DETERMINED BY PUMP STATION MANUFACTURER



FRONT ELEVATION VIEW

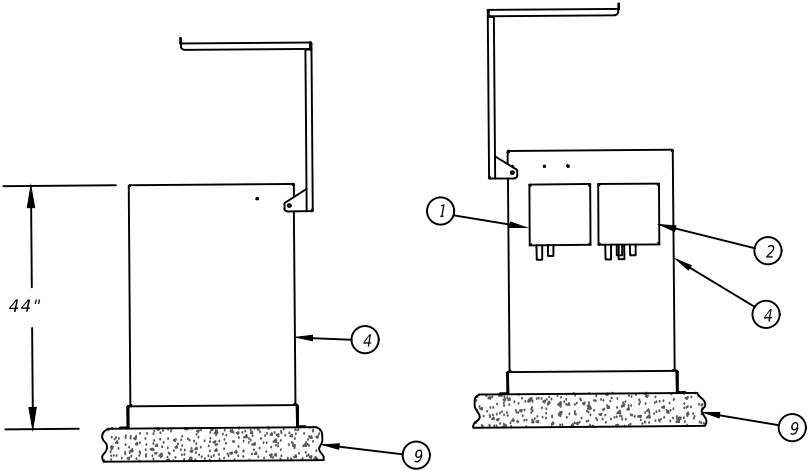
CONTRACTOR TO ALLOW A 12" DIAMETER OPENING IN CONCRETE PAD FOR WELL CASING

PUMP ASSEMBLY

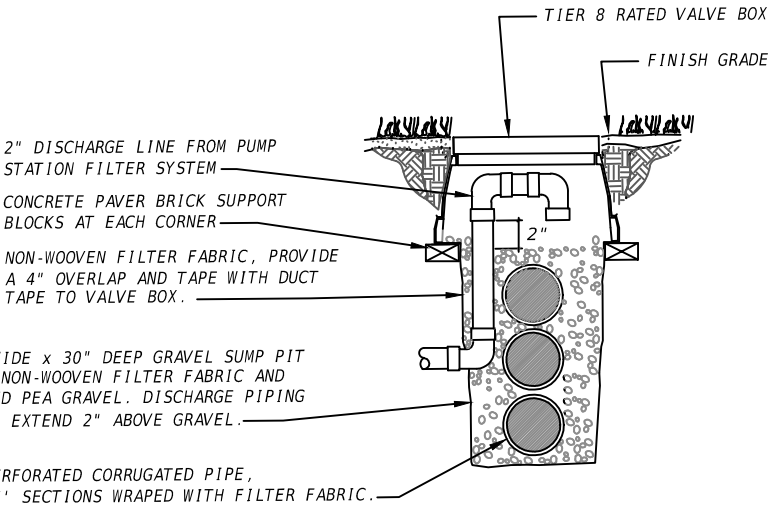
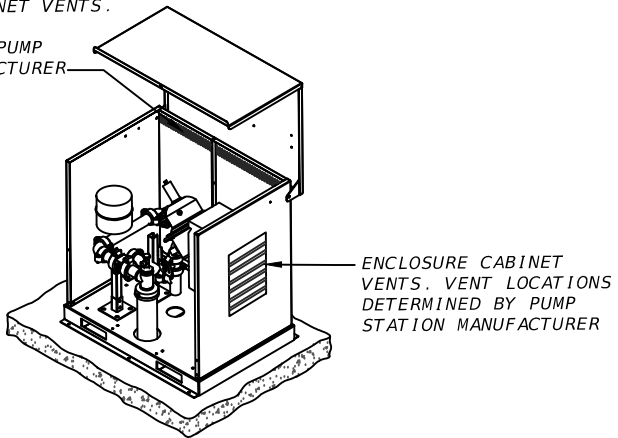
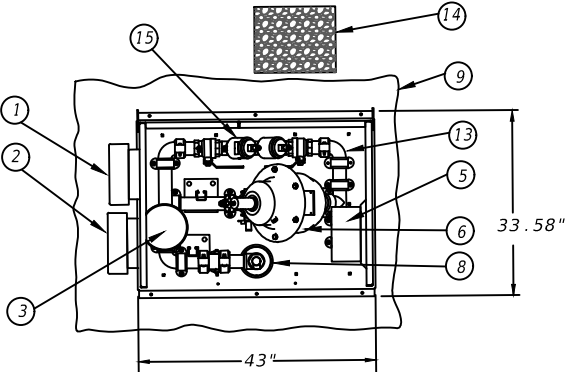
- | | |
|---|---|
| 1 240V SINGLE PHASE LOAD CENTER | 10 GALVANIZED SCH. 40 DROP PIPE |
| 2 FUSIBLE DISCONNECT (80A) | 11 5" WELL CASING |
| 3 BLADDER TANK | 12 7.5 HP SUBMERSIBLE PUMP, DEMAND OF 60 GPM & 65 PSI DISCHARGE. ELECTRICAL REQUIREMENT OF 240 VOLT/ SINGLE PHASE |
| 4 MARINE GRADE ALUMINUM ENCLOSURE POWDER COATED | 13 2" GROOVED GALV. PIPING |
| 5 7.5 HP VFD (230V) SINGLE PHASE WITH LOAD REACTOR | 14 FILTER BACKWASH SUMP, SEE SUMP DETAIL |
| 6 2" AUTOMATIC SCREEN FILTER WITH SUCTION SCANNER | 15 2" DOUBLE CHECK BFP DEVICE |
| 7 PRESSURE RELIEF VALVE | 16 HUNTER ACC2 DECODER CONTROLLER WITH STAINLESS STEEL CABINET, NOT SHOWN |
| 8 WELL SEAL | 17 2" FLOW SENSOR AND MASTER VALVE SUPPLIED WITH PUMP STATION PACKAGE, NOT SHOWN |
| 9 4' x 4' x 4" THICK WIRE MESH REINFORCED CONCRETE SLAB | |

WELL PUMP STATION PACKAGE

NTS

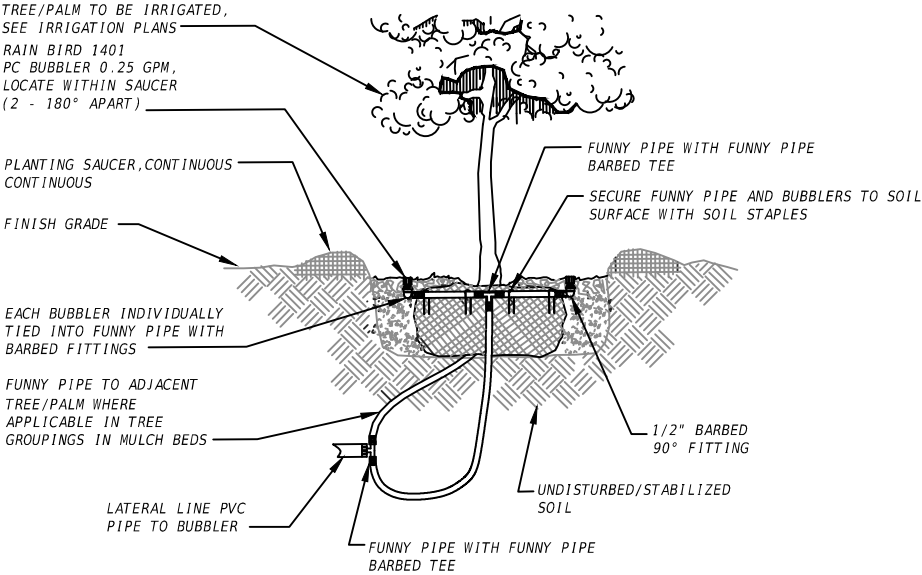


ENCLOSURE CABINET VENTS. VENT LOCATIONS DETERMINED BY PUMP STATION MANUFACTURER



FILTER BACKWASH SUMP

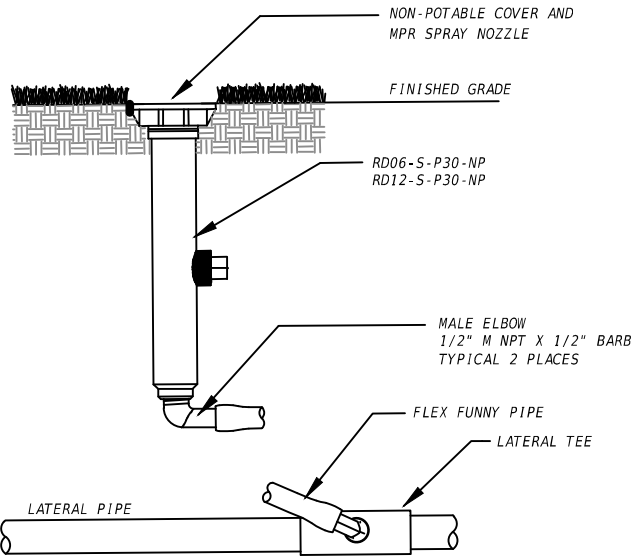
REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		73



- NOTES:
- 1. BUBBLERS SHALL BE PLACED ON THE UPHILL SIDE OF ANY SLOPES & ON THE OPPOSING SIDES OF EACH ROOTBALL WITHIN THE SAUCER.
 - 2. BUBBLERS TO BE INSTALLED ADJACENT TO ROOTBALL PERIMETER, DO NOT INSTALL BUBBLER ON TOP OF ROOTBALL OR NEXT TO TRUNK.
 - 3. REFER TO PLANS FOR BUBBLER FLOW VOLUME AND BUBBLER QUANTITIES PER TREE OR PALM.

RAIN BIRD 1400 SERIES
FLOOD BUBBLER FOR TREES

NTS



RAIN BIRD RD1800 SERIES SPRINKLER

NTS

CONTROLLER SCHEDULE
SYSTEM "A"

ZONE	GPM	VALVE SIZE	TYPE
1A	21.8	1"	PLANTS
1B	30.4	1 1/2"	PLANTS
	52.2		
2	41.0	1 1/2"	PLANTS
3A	26.9	1 1/2"	PLANTS
3B	24.4	1 1/2"	PLANTS
	51.3		
4A	15.8	1"	PLANTS
4B	38.5	1 1/2"	PLANTS
	54.3		
5A	37.6	1 1/2"	PLANTS
5B	21.8	1 1/2"	PLANTS
	59.4		
6A	7.8	1"	PLANTS
6B	47.5	1 1/2"	PLANTS
	55.3		
7A	9.4	1"	PLANTS
7B	40.8	1 1/2"	PLANTS
	50.2		
8	54.5	2"	PLANTS
9A	34.5	1 1/2"	PLANTS
9B	22.6	1 1/2"	PLANTS
	57.1		
10A	16.2	1"	TURF
10B	26.2	1 1/2"	TURF
	42.4		
11	57.5	2"	TURF
12	52.5	2"	TURF
13	45.9	1 1/2"	TURF
14A	18.1	1"	TURF
14B	33.6	1 1/2"	TURF
	51.7		
15	34.4	1 1/2"	TURF
16A	24.7	1 1/2"	TURF
16B	31.2	1 1/2"	TURF
	55.9		
17	32.5	1 1/2"	TURF
18	33.7	1 1/2"	TURF
19	40.9	1 1/2"	TURF
20	38.3	1 1/2"	TURF
21	38.6	1 1/2"	TURF
22	38.2	1 1/2"	TURF
23	36.9	1 1/2"	TURF
24	54.0	2"	TURF
25	55.1	2"	TURF
26	43.8	1 1/2"	TURF

CONTROLLER SCHEDULE
SYSTEM "B"

ZONE	GPM	VALVE SIZE	TYPE
1A	26.5	1 1/2"	PLANTS
1B	23.4	1 1/2"	PLANTS
	49.9		
2A	16.6	1"	PLANTS
2B	38.3	1 1/2"	PLANTS
	54.9		
3A	36.5	1 1/2"	PLANTS
3B	14.6	1"	PLANTS
	51.1		
4A	32.0	1 1/2"	PLANTS
4B	16.1	1"	PLANTS
	48.1		
5A	39.3	1 1/2"	PLANTS
5B	9.3	1"	PLANTS
	48.6		
6A	24.6	1 1/2"	PLANTS
6B	18.2	1"	PLANTS
	42.8		
7	47.8	1 1/2"	PLANTS
8A	41.7	1 1/2"	PLANTS
8B	9.8	1"	PLANTS
	52.5		
9A	38.3	1 1/2"	TURF
9B	13.7	1"	TURF
	52.0		
10A	34.8	1 1/2"	TURF
10B	20.5	1"	TURF
	55.3		
11	56.6	2"	TURF
12A	17.4	1"	TURF
12B	36.4	1 1/2"	TURF
	53.8		
13A	16.4	1"	TURF
13B	34.3	1 1/2"	TURF
	50.7		
14	30.6	1 1/2"	TURF
15	30.6	1 1/2"	TURF
16	32.0	1 1/2"	TURF
17A	21.0	1"	TURF
17B	26.2	1 1/2"	TURF
	47.2		
18	37.0	1 1/2"	TURF
19	43.3	1 1/2"	TURF
20	39.2	1 1/2"	TURF
21	46.8	1 1/2"	TURF
22	48.0	1 1/2"	TURF

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Eugene W. Colborn, Jr., RLA
LA# 1484
Colborn Design Group, Inc
11628 Somerset Avenue
Princess Anne, MD 21853

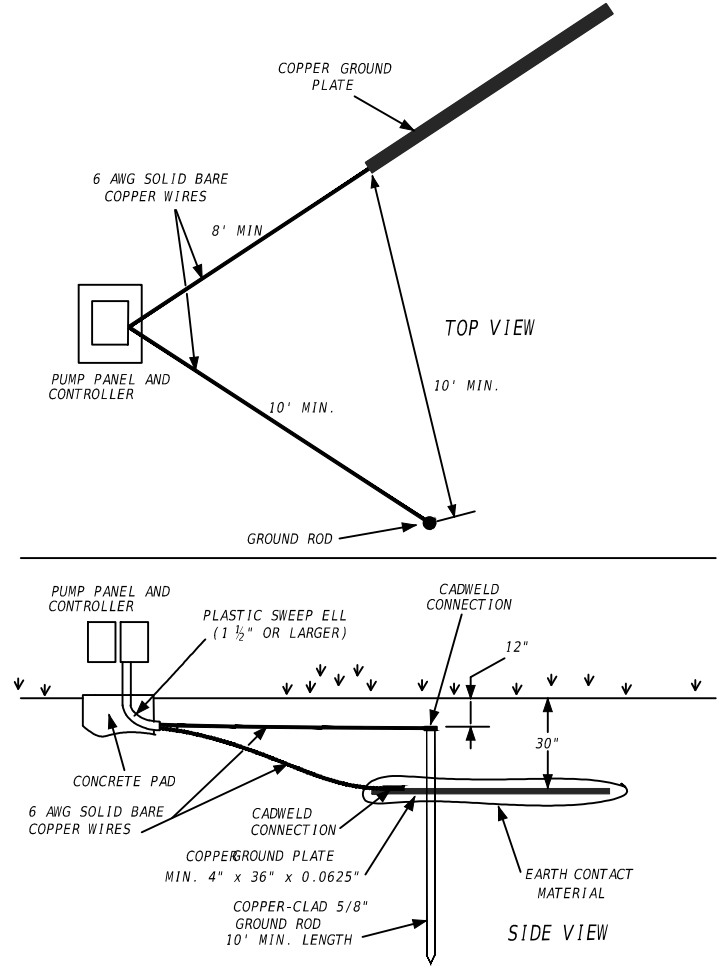
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 30	OKALOOSA	445907-1-52-01

IRRIGATION DETAILS

SHEET
NO.

74



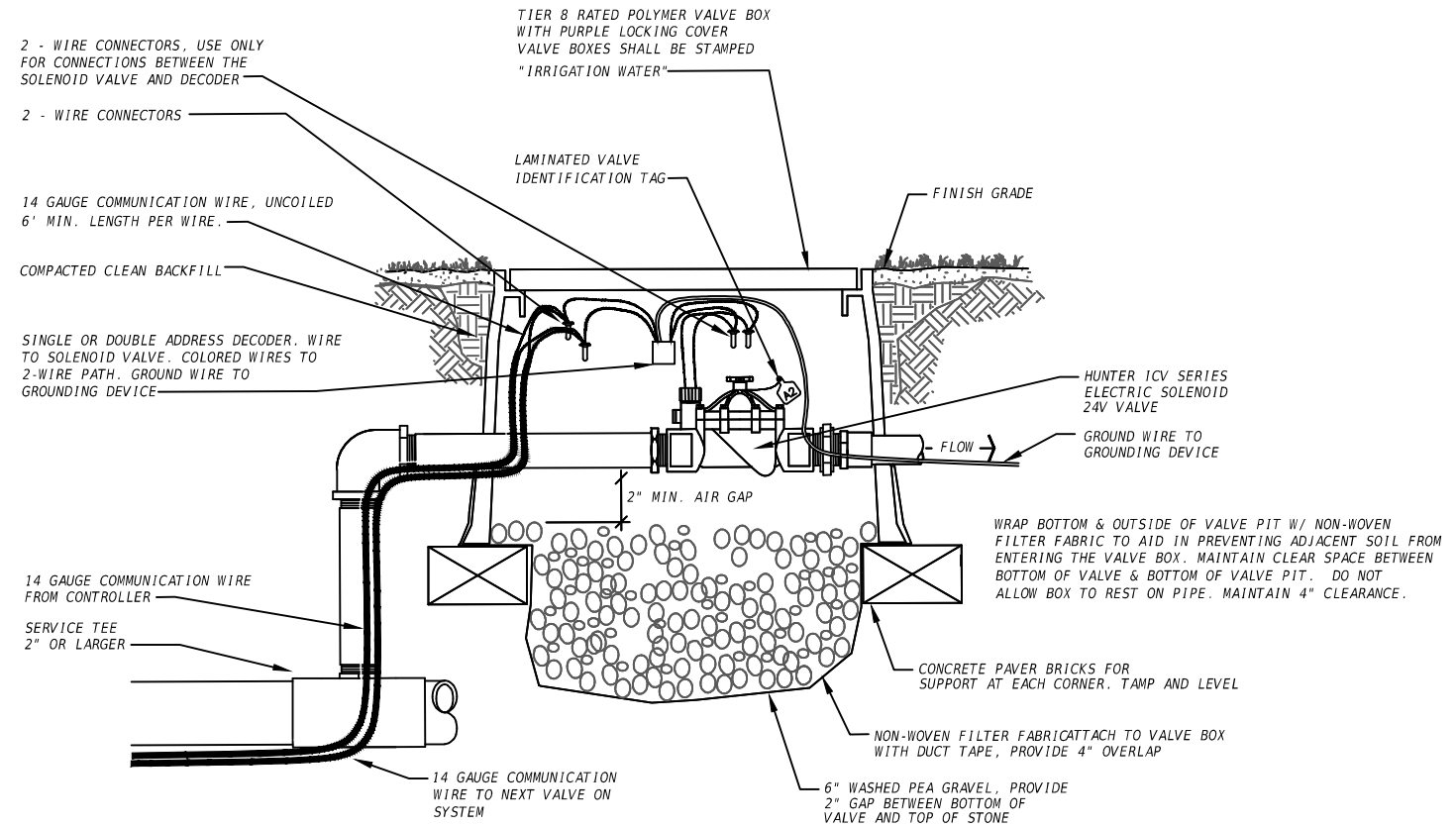
GROUNDING PLATE DETAIL

NTS

GROUNDING NOTE

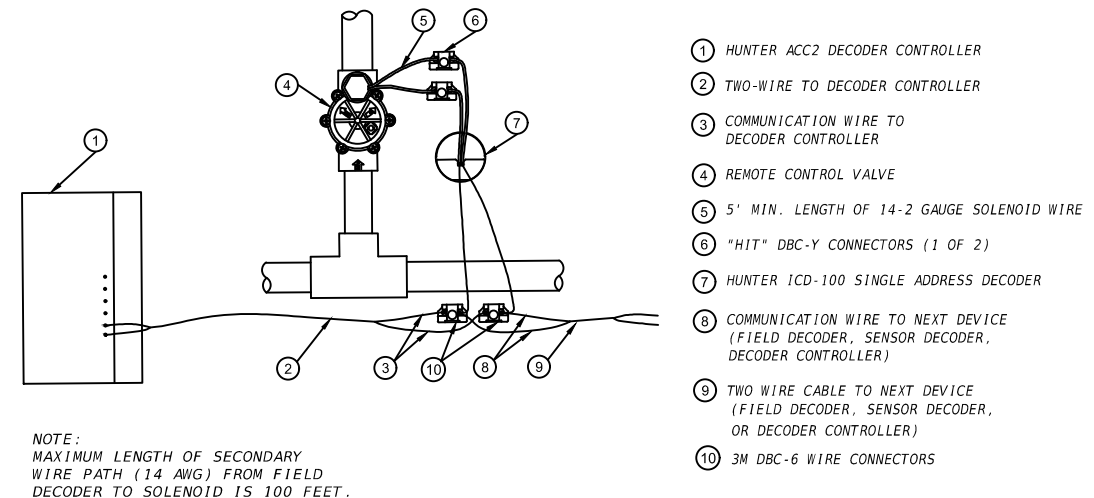
MINIMUM LEVEL OF SURGE PROJECT IS TO HAVE ONE DECODER GROUNDED AT THE END OF EACH WIRE PATH AND ONE DECODER GROUNDED EVERY 1,000 FEET OF WIRE RUN. BOTH THE CONTROLLER AND DECODERS (WHERE SHOWN) ARE GROUNDED TO GROUND RODS OR PLATES WITH LESS THEN 10 OHMS RESISTANCE. THE GROUND SHOULD BE MEASURED WITH A GROUND RESISTANCE METER. EACH GROUND TEST SHALL BE SUBMITTED TO THE ENGINEER.

DECODER SYSTEM WITH GROUNDING SHALL BE INSTALLED PER MANUFACTURER'S PUBLISHED INSTRUCTIONS.



HUNTER ICD-100 SINGLE ADDRESS DECODER WIRING TO VALVE AND CONTROLLER

NTS



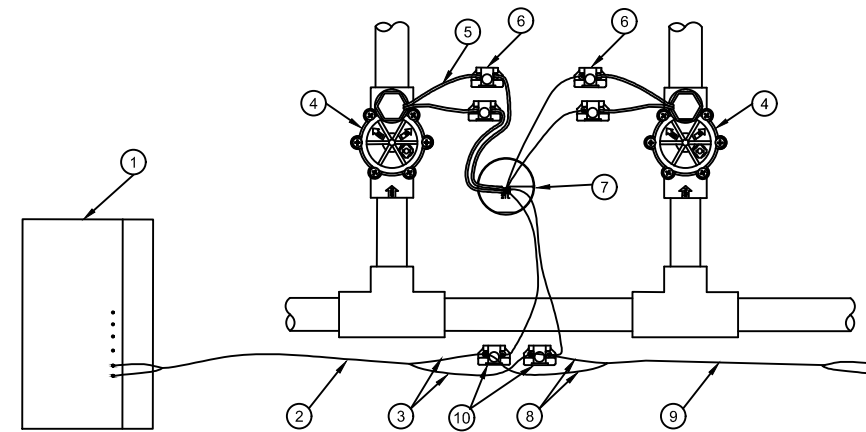
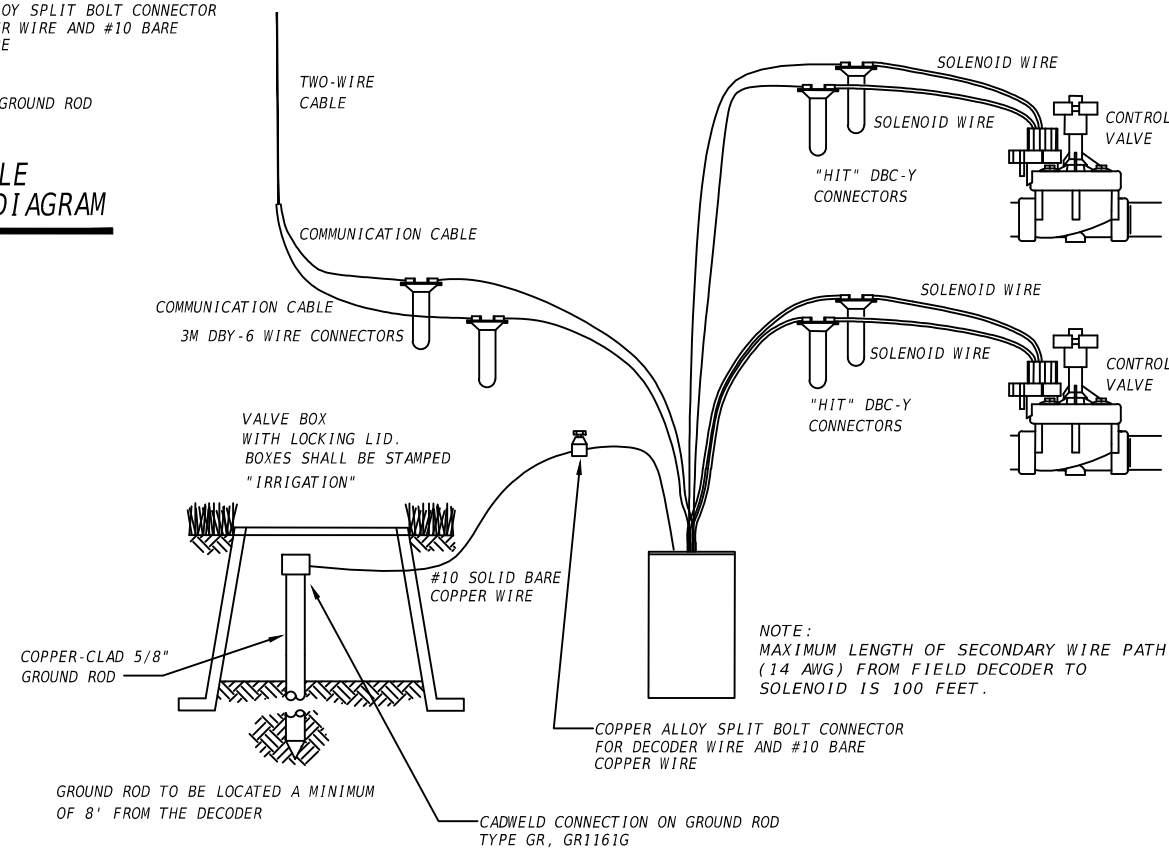
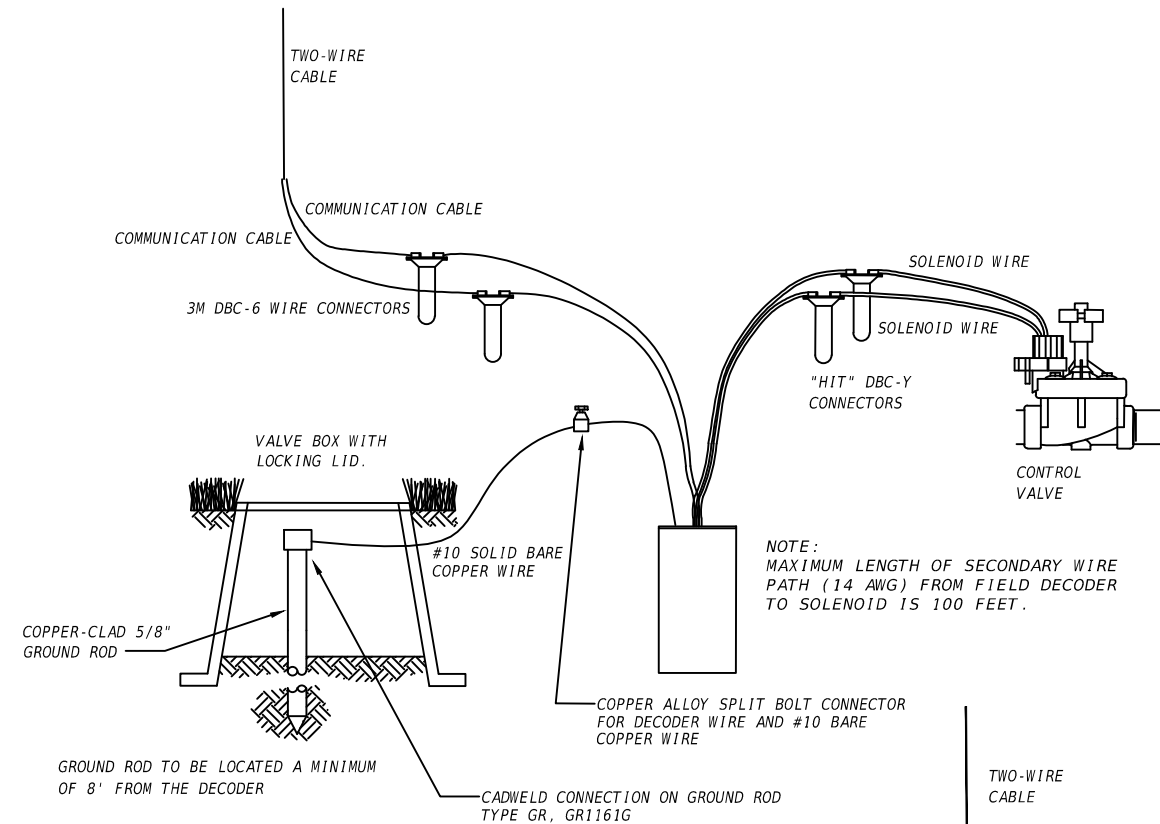
NOTE:
MAXIMUM LENGTH OF SECONDARY WIRE PATH (14 AWG) FROM FIELD DECODER TO SOLENOID IS 100 FEET.

HUNTER ICD-100 SINGLE ADDRESS DECODER WIRING TO VALVE AND CONTROLLER

NTS

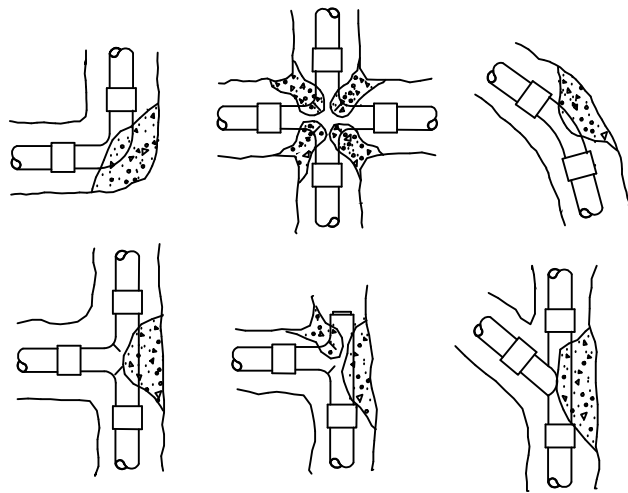
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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- ① HUNTER ACC2 DECODER CONTROLLER
- ② TWO-WIRE TO DECODER CONTROLLER
- ③ COMMUNICATION WIRE TO DECODER CONTROLLER
- ④ REMOTE CONTROL VALVE
- ⑤ 5' MIN. LENGTH OF 14-2 GAUGE SOLENOID WIRE
- ⑥ "HIT" DBC-Y CONNECTORS (1 OF 4)
- ⑦ HUNTER ICD-200 TWO ADDRESS DECODER
- ⑧ COMMUNICATION WIRE TO NEXT DEVICE (FIELD DECODER, SENSOR DECODER, DECODER CONTROLLER)
- ⑨ TWO WIRE CABLE TO NEXT DEVICE (FIELD DECODER, SENSOR DECODER, OR DECODER CONTROLLER)
- ⑩ 3M DBC-6 WIRE CONNECTORS

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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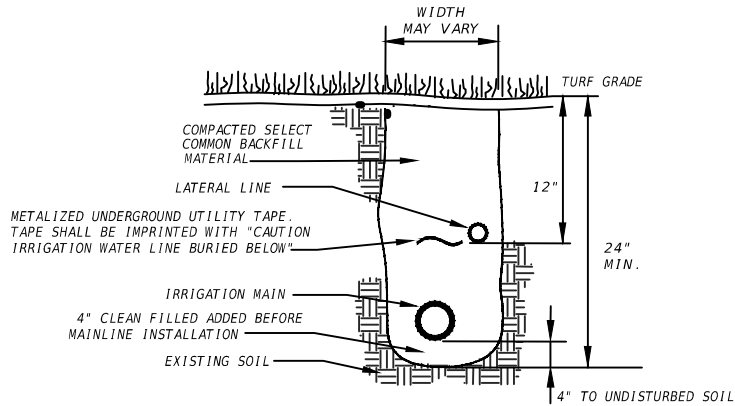
INSTALLATION NOTES

- 1. 3000 PSI CONCRETE OR BETTER IS TO BE USED FOR THRUST BLOCKS.
- 2. FOR 45°/90° FITTINGS, MINIMUM OF 2 CUBIC FEET OF CONCRETE TO BE USED.
- 3. FOR 22-1/2° FITTINGS, MINIMUM OF 0.5 CUBIC FEET OF CONCRETE TO BE USED.
- 4. FOR TEES, MINIMUM OF 2 CUBIC FEET OF CONCRETE TO BE USED.

THRUST BLOCKS REQUIRED FOR IRRIGATION MAINLINE 3" AND LARGER.

THRUST BLOCK REINFORCEMENT

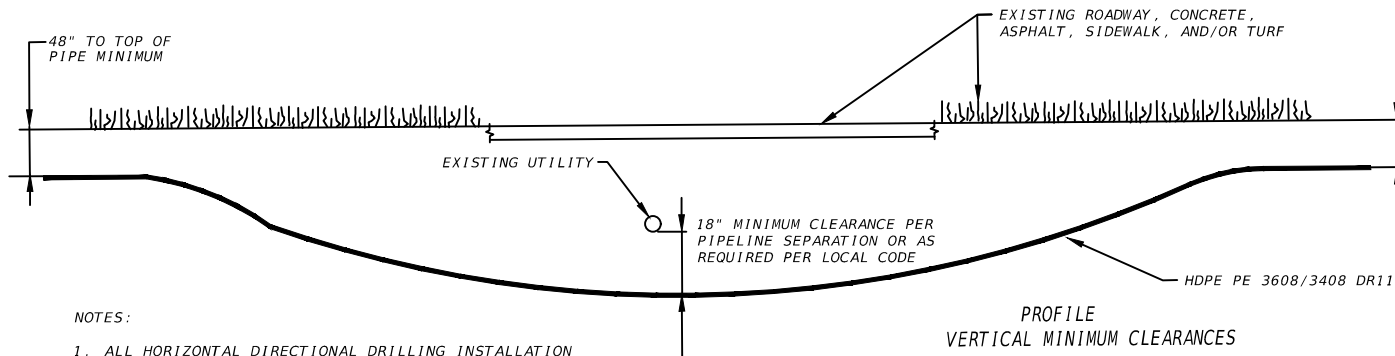
NTS



- 1. DEPTH MEASUREMENTS ARE TO BE DONE FROM FINISH GRADE TO TOP OF PIPE.
- 2. PROVIDE A 6" MINIMUM VERTICAL SEPARATION BETWEEN MAINLINES AND LATERAL LINES.
- 3. ALL TRENCHES SHALL BE BACKFILLED WITH CLEAN SOIL FREE OF DEBRIS & NOXIOUS WEEDS. TRENCHES SHALL BE COMPACTED AND ADDITIONAL BACKFILL ADDED TO MEET GRADE.

TRENCHING DETAIL

NTS



NOTES:

- 1. ALL HORIZONTAL DIRECTIONAL DRILLING INSTALLATION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE FDOT UTILITY ACCOMMODATIONS MANUAL, AND FDOT DIRECTIONAL BORE STANDARD SPECIFICATION 555.
- 2. TAKE RESPONSIBILITY FOR NOTIFICATION OF AFFECTED AGENCIES AND COORDINATION WITH ALL UTILITIES PRIOR TO CONSTRUCTION.
- 3. ALL CONSTRUCTION MATERIALS, INCLUDING DRILLING FLUID, SHALL BE REMOVED FROM THE SITE PRIOR TO RESTORATION OF DISTURBED AREAS.
- 4. EXCAVATIONS SHALL BE RESTORED IN ACCORDANCE WITH THE LOCAL UTILITIES STANDARD MANUAL AND STANDARD DETAILS FOR TRENCH RESTORATION.
- 5. CASING DIAMETER SHALL BE IN ACCORDANCE WITH THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

TYPICAL HORIZONTAL DIRECTIONAL DRILL

NTS

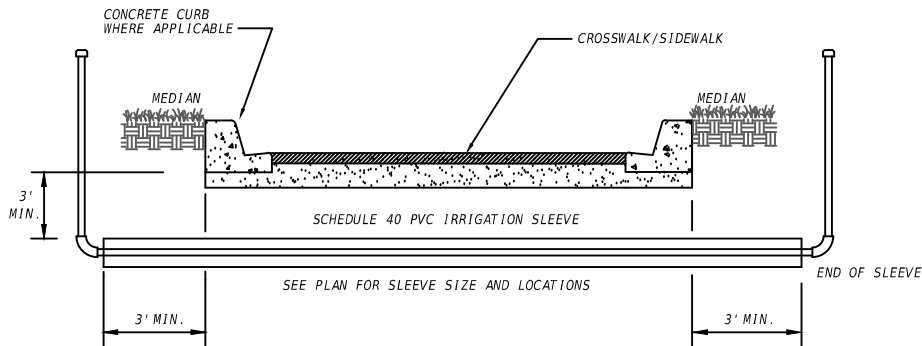
NOTE:

WHERE IRRIGATION DIRECTIONAL BORE SLEEVES ARE INSTALLED UNDER RAMPS AND ROADWAYS A METAL MARKER SHALL BE INSTALLED WITH FLAT HEAD TAP-CON SCREWS AT BOTH CURBS OR EDGE OF PAVEMENT IDENTIFYING THE LOCATION OF THE INSTALLED SLEEVE. THE MARKER SHALL INDICATE THE SLEEVE SIZE AND DEPTH TO TOP OF SLEEVE. THE MARKER SHALL BE STAINLESS STEEL 3" LONG X 1" WIDE X 1/16" THICK WITH THE SIZE AND DEPTH ENGRAVED OR STAMPED ONTO THE STAINLESS STEEL MARKERS.

IRRIGATION SLEEVE
6" SIZE
48" MINIMUM DEPTH

SLEEVE MARKER

NTS



SLEEVE DETAIL

NTS

REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		77

1. SITE DESCRIPTION

- A. NATURE OF CONSTRUCTION ACTIVITY:
THE CONSTRUCTION ACTIVITY INCLUDES LANDSCAPE IMPROVEMENTS TO SELECTED LOCATIONS ALONG SR 30/US 98 FROM WILLIAM T. MARLER BRIDGE TO AIRPORT ROAD, IN OKALOOSA COUNTY.
- B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:
IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED IN WRITING BY THE ENGINEER.

SEQUENCE:

1. CONSTRUCT EROSION CONTROL MEASURES

2. CLEAR & GRUB MEDIANS FOR PLANTINGS

3. PREPARE MEDIAN EDGES AND PLACE TOPSOIL LAYER

4. INSTALL IRRIGATION AS SPECIFIED IN THE NOTES & PLANS

5. PLANT TREES, SHRUBS, AND NATIVE GRASSES

6. PLACE SOD AND MULCH PRIOR TO REMOVING EROSION CONTROL

C. AREA ESTIMATES:

TOTAL SITE AREA: 3.32 ACRES

TOTAL AREA TO BE DISTURBED: 3.32 ACRES

D. RUNOFF DATA:

RUNOFF COEFFICIENTS:

BEFORE: 0.25 TO 0.95

DURING: 0.25 TO 0.95

AFTER: 0.25 TO 0.95

OUTFALL INFORMATION:

OUTFALL DESC: N/A

LOCATION: N/A

RECEIVING WATERS: GULF OF MEXICO

E. LOCATION OF DRAINAGE AREAS:

THE PROJECT IS LOCATED IN SECTION 1, TOWNSHIP 2 SOUTH , RANGE 23 WEST AND RANGE 22 WEST OF THE US GEOLOGICAL SURVEY (USGS) COORDINATE SYSTEM. THE SITE IS LOCATED ALONG SR 30 (US 98) IN OKALOOSA COUNTY, FLORIDA.

F. NAME OF RECEIVING WATERS:

GULF OF MEXICO

G. USE THE PLAN SET KEY SHEET, LAYOUT SHEET AND PLANS TO LOCATE PROJECT IN LIEU OF A SITE MAP.

2. CONTROLS

THE FOLLOWING DISCUSSION DEFINES GENERAL GUIDELINES FOR THE SEQUENCE OF CONSTRUCTION AND THE USE OF STABILIZATION AND STRUCTURAL PRACTICES. THE EROSION AND SEDIMENT CONTROL IS IDENTIFIED IN THE FDOT STANDARD SPECIFICATIONS.

A. EROSION AND SEDIMENT CONTROLS:
FOR EACH CONSTRUCTION ACTIVITY, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT PRIOR TO BEGINNING OTHER WORK. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

B. STORMWATER MANAGEMENT:
EXISTING STORMWATER MANAGEMENT AREAS (SWALES, CULVERTS, ENDWALLS, ETC) ARE TO BE MAINTAINED UNLESS DISTURBED BY CONSTRUCTION.

C. OTHER CONTROLS:

a. OFFSITE VEHICLE TRACKING:
LOADED HAUL TRUCKS ARE TO BE COVERED WITH TARPS, EXCESS DIRT ON ROADWAY IS TO BE REMOVED DAILY.

b. FERTILIZER & PESTICIDE:
FERTILIZER WILL BE APPLIED IN ACCORDANCE WITH SECTION 570 OF THE SPECIFICATIONS.

c. FEDERAL, STATE, AND LOCAL PLANS AND PERMITS:
FDEP NPDES PERMIT (TO BE OBTAINED BY THE CONTRACTOR)

3. MAINTENANCE:

THE FOLLOWING DISCUSSION DEFINES GENERAL GUIDELINES FOR THE MAINTENANCE OF STABILIZATION AND STRUCTURAL PRACTICES.

ITEM: PROPOSED MAINTENANCE:

INLET PROTECTION SYSTEMS & IN ACCORDANCE WITH SPECIFICATION 104

ARTIFICIAL COVERINGS/ROLLED EROSION

CONTROL PRODUCTS

4. INSPECTION:

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS AFTER A RAIN EVENT OF 0.5 INCHES OR GREATER.

- * DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
- * PERMANENTLY STABILIZED AREAS.
- * AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
- * STRUCTURAL CONTROLS & STORMWATER MANAGEMENT SYSTEMS.
- * LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

5. NON-STORMWATER DISCHARGES:

IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT THE FLORIDA DEPARTMENT OF TRANSPORTATION, DISTRICT 3, ENVIRONMENTAL MANAGEMENT OFFICE, DISTRICT CONTAMINATION IMPACT COORDINATOR: (850)-330-1511.

REVISIONS				NICHOLAS A. GROSSO, P.E. P.E. LICENSE NUMBER 71591 CHIPOLA ENGINEERING GROUP, INC. 1695 METROPOLITAN CIRCLE, SUITE 2 TALLAHASSEE, FLORIDA 32308	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			STORMWATER POLLUTION PREVENTION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		78
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TRAFFIC CONTROL GENERAL NOTES:

1. LANE CLOSURES (TRAVEL LANES, TURN LANES, & MEDIAN OPENINGS) ARE PROHIBITED BETWEEN THE HOURS OF 5:30 AM TO 9:00 PM MONDAY THRU THURSDAY AND FROM FRIDAY AT 5:30 AM TO 9:00 PM SUNDAY.
2. ALL LANES MUST BE REOPENED TO NORMAL TRAFFIC WITHIN 12 HOURS OF AN EVACUATION NOTICE FOR A HURRICANE OR ANY OTHER EMERGENCY EVENT AND SHALL REMAIN OPEN UNTIL OTHERWISE DIRECTED BY THE ENGINEER.
3. SPECIAL EVENTS FOR THIS PROJECT INCLUDE:

SPRING BREAK (MARCH 12-28, 2021)

OPEN HOUSE AND AIR SHOW (APRIL)

BILLY BOWLEGS PIRATE FESTIVAL (SUMMER)

GREEK FESTIVAL (SEPTEMBER)

SEAFOOD FESTIVAL-DESTIN (SEPTEMBER/OCTOBER)

MARDI GRAS ON THE ISLAND (FEBRUARY)

DESTIN MARATHON (FEBRUARY)

RED CROSS RUN (AUGUST)
4. EXISTING POSTED SPEED (35 MPH) SHALL BE USED FOR TRAFFIC CONTROL DURING CONSTRUCTION.
5. CONTRACTOR SHALL COORDINATE WITH E.C. RIDER (850-833-9168) TO MINIMIZE IMPACTS TO THE PUBLIC TRANSPORTATION ROUTE AND STOP LOCATIONS.

TRAFFIC PHASING NOTES:

PHASE I

1. INSTALL ALL TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH REQUIRED STANDARD PLANS DEPENDENT ON THE OPERATION TO BE PERFORMED. INSTALL SIDE STREET SIGNAGE PER STANDARD PLANS 102-600 ON THE FOLLOWING SIDE STREETS:

-CALHOUN AVENUE

-STAHLMAN AVENUE

-PALMETTO STREET

-MARLER STREET

-MELVIN STREET

-BENNING DRIVE

-BEACH DRIVE

-MAIN STREET

-GULF SHORE DRIVE

-PALMS STREET

-SANDPRINT DRIVE

-AIRPORT ROAD

PHASE II

1. INSTALL EROSION CONTROL MEASURES.
2. REMOVE ALL SHRUBS, GROUNDCOVERS, AND TURF FROM MEDIANS. REMOVE TREES IDENTIFIED FOR REMOVAL.
3. PREPARE MEDIAN EDGES AND PLACE TOPSOIL LAYER.
4. MARK EXISTING UNDERGROUND UTILITIES IN AREAS OF PLANTING AND INSTALLATION.
5. INSTALL IRRIGATION AS SPECIFIED IN THE IRRIGATION NOTES & PLANS.
6. INSTALL TREES, SHRUB/NATIVE SOD, AND GROUNDCOVER PLANTING IN ACCORDANCE WITH LANDSCAPE PLANS.

PHASE III

1. INSTALL FINAL MULCHING AND SODDING.
2. REMOVE ALL TRAFFIC CONTROL DEVICES AND ALL CONSTRUCTION SIGNAGE.

MESSAGE A

SR 30
RD WORK
BEGINS

MESSAGE B

MONTH
DAY
YEAR

MESSAGE A

ROAD
WORK
AHEAD

MESSAGE B

USE
CAUTION

MESSAGE A

LANE
CLOSURE
AHEAD

MESSAGE B

USE
CAUTION

SR 30 (US 98) PCMS DISPLAY

7 DAYS PRIOR TO CONSTRUCTION
(NTS)

SR 30 (US 98) PCMS DISPLAY

DURING LANDSCAPING PROJECT
(WHERE APPLICABLE) (NTS)

SR 30 (US 98) PCMS DISPLAY

DURING LANDSCAPING PROJECT
(WHERE APPLICABLE) (NTS)

REVISIONS				NICHOLAS A. GROSSO, P.E. P.E. LICENSE NUMBER 71591 CHIPOLA ENGINEERING GROUP, INC. 1695 METROPOLITAN CIRCLE, SUITE 2 TALLAHASSEE, FLORIDA 32308	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		79
					SR 30	OKALOOSA	445907-1-52-01		

LANDSCAPE TABULATION OF QUANTITIES

PAY ITEM NO.	SYM	DESCRIPTION (BOTANICAL NAME / COMMON NAME; SIZE; SPACING; DETAILS)	MAX. MAINT. SIZE	REMARKS	UNIT	SHEET NUMBERS								TOTAL THIS SHEET		GRAND TOTAL	
						12		13		14		15		PLAN	FINAL	PLAN	FINAL
						PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
526-1-2		CONCRETE PAVERS		2 3/4x4x8	SY												
		LIMESTONE BOULDERS		2' X 3' X 4', 18" EXPOSED	EA							6					
580-1-1		SMALL PLANTS															
	IC	ILEX CORNUTA 'BURFORDII NANA' / DWARF BURFORD HOLLY, 3 GAL., 18" HT X 16" spr.			EA			35		55							
	LM	LIRIOPE MUSCARI 'EMERALD GODDESS' / EMERALD GODDESS LIRIOPE, 1 GAL., 12" X 12", FULL.	18"		EA			223		838		51					
	LC	LOROPETALUM CHINENSE 'PURPLE PIXIE' / DWARF LOROPETALUM, 1 GAL., 6" HT. X 8" SPR.			EA												
	PQ	PASPALUM QUADRIFARIUM / CROWN GRASS, 1 GAL., 16" HT.X 12" SPR.			EA												
	RF	RHODODENDRON X 'FASHION' / FASHION AZALEA, 3 GAL., 18" HT. X 16" SPR.			EA							116					
	TA	TRACHELOSPERMUM ASIATICUM 'MINIMA' / MINIMA JASMINE, 1 GAL. 6" HT. X 12"SPR., 5 RUNNERS MIN.	18"		EA			356				297					
	TC	TRACHELOSPERMUM JASMINOIDES VARIEGATUM / VARIEGATED CONFEDERATE JASMINE, 1 GAL. 6" HT. X 12"SPR., 5 RUNNERS MIN.	18"		EA												
	YF	YUCCA FILAMENTOSA 'COLOR GUARD' / VARIEGATED ADAM'S NEEDLE, 3 GAL., 14" HT.X 14"SPR.	18"		EA							52					
580-1-2		LARGE PLANTS															
	IV	ILEX VOMITORIA / YAUPON HOLLY, FG, 10'-12' HT X 6' SPD, TREE FORM, MULTI-TRUNK, 4' CT.			EA					3							
	QV	QUERCUS VIRGINIANA / SOUTHERN LIVE OAK, 100 GAL, 14'-16' HT X 7' SPR., 4" IN CAL., 6' CT.			EA					2							
		PINE BARK FINES / 3" WETTED DEPTH		MINIMA JASMINE AND CONFEDERATE JASMINE AREAS	CY			7				6					
		PINE BARK MINI NUGGETS/ 3" WETTED DEPTH			CY			6		20		10					

LANDSCAPE TABULATION OF QUANTITIES

PAY ITEM NO.	SYM	DESCRIPTION (BOTANICAL NAME / COMMON NAME; SIZE; SPACING; DETAILS)	MAX. MAINT. SIZE	REMARKS	UNIT	SHEET NUMBERS								TOTAL THIS SHEET		GRAND TOTAL	
						16		17		18		19		PLAN	FINAL	PLAN	FINAL
						PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
526-1-2		CONCRETE PAVERS		2 3/4x4x8	SY												
		LIMESTONE BOULDERS		2' X 3' X 4', 18" EXPOSED	EA			6									
580-1-1		SMALL PLANTS															
	IC	ILEX CORNUTA 'BURFORDII NANA' / DWARF BURFORD HOLLY, 3 GAL., 18" HT X 16" spr.			EA	180				80		39					
	LM	LIRIOPE MUSCARI 'EMERALD GODDESS' / EMERALD GODDESS LIRIOPE, 1 GAL., 12" X 12", FULL.	18"		EA	116		876									
	LC	LOROPETALUM CHINENSE 'PURPLE PIXIE' / DWARF LOROPETALUM, 1 GAL., 6" HT. X 8" SPR.			EA			37				159					
	PQ	PASPALUM QUADRIFARIUM / CROWN GRASS, 1 GAL., 16" HT.X 12" SPR.			EA												
	RF	RHODODENDRON X 'FASHION' / FASHION AZALEA, 3 GAL., 18" HT. X 16" SPR.			EA							37					
	TA	TRACHELOSPERMUM ASIATICUM 'MINIMA' / MINIMA JASMINE, 1 GAL. 6" HT. X 12"SPR., 5 RUNNERS MIN.	18"		EA												
	TC	TRACHELOSPERMUM JASMINOIDES VARIEGATUM / VARIEGATED CONFEDERATE JASMINE, 1 GAL. 6" HT. X 12"SPR., 5 RUNNERS MIN.	18"		EA												
	YF	YUCCA FILAMENTOSA 'COLOR GUARD' / VARIEGATED ADAM'S NEEDLE, 3 GAL., 14" HT.X 14"SPR.	18"		EA			38									
580-1-2		LARGE PLANTS															
	IV	ILEX VOMITORIA / YAUPON HOLLY, FG, 10'-12' HT X 6' SPD, TREE FORM, MULTI-TRUNK, 4' CT.			EA	6		4									
	QV	QUERCUS VIRGINIANA / SOUTHERN LIVE OAK, 100 GAL, 14'-16' HT X 7' SPR., 4" IN CAL., 6' CT.			EA							1					
		PINE BARK FINES / 3" WETTED DEPTH		MINIMA JASMINE AND CONFEDERATE JASMINE AREAS	CY												
		PINE BARK MINI NUGGETS/ 3" WETTED DEPTH			CY	13		20		5		10					

REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		80

LANDSCAPE TABULATION OF QUANTITIES																	
PAY ITEM NO.	SYM	DESCRIPTION (BOTANICAL NAME / COMMON NAME; SIZE; SPACING; DETAILS)	MAX. MAINT. SIZE	REMARKS	UNIT	SHEET NUMBERS								TOTAL THIS SHEET		GRAND TOTAL	
						20		21		22		23		PLAN	FINAL	PLAN	FINAL
						PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
526-1-2		CONCRETE PAVERS		2 3/4X4X8	SY												
		LIMESTONE BOULDERS		2' X 3' X 4' , 18" EXPOSED	EA	6											
580-1-1		SMALL PLANTS															
	IC	ILEX CORNUTA 'BURFORDII NANA' / DWARF BURFORD HOLLY, 3 GAL., 18" HT X 16" spr.			EA	150		48		31		97					
	LM	LIRIOPE MUSCARI 'EMERALD GODDESS' / EMERALD GODDESS LIRIOPE, 1 GAL., 12" X 12", FULL.	18"		EA	74		773									
	LC	LOROPETALUM CHINENSE 'PURPLE PIXIE' / DWARF LOROPETALUM, 1 GAL., 6" HT. X 8" SPR.			EA	303		150									
	PQ	PASPALUM QUADRIFARIUM / CROWN GRASS, 1 GAL., 16" HT.X 12" SPR.			EA							40					
	RF	RHODODENDRON X 'FASHION' / FASHION AZALEA, 3 GAL., 18" HT. X 16" SPR.			EA	60						167					
	TA	TRACHELOSPERMUM ASIATICUM 'MINIMA' / MINIMA JASMINE, 1 GAL. 6" HT. X 12"SPR., 5 RUNNERS MIN.	18"		EA												
	TC	TRACHELOSPERMUM JASMINOIDES VARIEGATUM / VARIEGATED CONFEDERATE JASMINE, 1 GAL. 6" HT. X 12"SPR., 5 RUNNERS MIN.	18"		EA			622		333							
	YF	YUCCA FILAMENTOSA 'COLOR GUARD' / VARIEGATED ADAM'S NEEDLE, 3 GAL., 14" HT.X 14"SPR.	18"		EA	74											
580-1-2		LARGE PLANTS															
	IV	ILEX VOMITORIA / YAUPON HOLLY, FG, 10'-12' HT X 6' SPD, TREE FORM, MULTI-TRUNK, 4' CT.			EA	2		1									
	QV	QUERCUS VIRGINIANA / SOUTHERN LIVE OAK, 100 GAL, 14'-16' HT X 7' SPR., 4" IN CAL., 6' CT.			EA	3				1		7					
		PINE BARK FINES / 3" WETTED DEPTH		MINIMA JASMINE AND CONFEDERATE JASMINE AREAS	CY			12		7							
		PINE BARK MINI NUGGETS/ 3" WETTED DEPTH			CY	27		23		2		20					

LANDSCAPE TABULATION OF QUANTITIES																	
PAY ITEM NO.	SYM	DESCRIPTION (BOTANICAL NAME / COMMON NAME; SIZE; SPACING; DETAILS)	MAX. MAINT. SIZE	REMARKS	UNIT	SHEET NUMBERS								TOTAL THIS SHEET		GRAND TOTAL	
						24		25		26		27		PLAN	FINAL	PLAN	FINAL
						PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
526-1-2		CONCRETE PAVERS		2 3/4X4X8	SY												
		LIMESTONE BOULDERS		2' X 3' X 4' , 18" EXPOSED	EA												
580-1-1		SMALL PLANTS															
	IC	ILEX CORNUTA 'BURFORDII NANA' / DWARF BURFORD HOLLY, 3 GAL., 18" HT X 16" spr.			EA			224		28							
	LM	LIRIOPE MUSCARI 'EMERALD GODDESS' / EMERALD GODDESS LIRIOPE, 1 GAL., 12" X 12", FULL.	18"		EA	508		33		970		458					
	LC	LOROPETALUM CHINENSE 'PURPLE PIXIE' / DWARF LOROPETALUM, 1 GAL., 6" HT. X 8" SPR.			EA	364				106							
	PQ	PASPALUM QUADRIFARIUM / CROWN GRASS, 1 GAL., 16" HT.X 12" SPR.			EA												
	RF	RHODODENDRON X 'FASHION' / FASHION AZALEA, 3 GAL., 18" HT. X 16" SPR.			EA	47		233				129					
	TA	TRACHELOSPERMUM ASIATICUM 'MINIMA' / MINIMA JASMINE, 1 GAL. 6" HT. X 12"SPR., 5 RUNNERS MIN.	18"		EA												
	TC	TRACHELOSPERMUM JASMINOIDES VARIEGATUM / VARIEGATED CONFEDERATE JASMINE, 1 GAL. 6" HT. X 12"SPR., 5 RUNNERS MIN.	18"		EA					399							
	YF	YUCCA FILAMENTOSA 'COLOR GUARD' / VARIEGATED ADAM'S NEEDLE, 3 GAL., 14" HT.X 14"SPR.	18"		EA												
580-1-2		LARGE PLANTS															
	IV	ILEX VOMITORIA / YAUPON HOLLY, FG, 10'-12' HT X 6' SPD, TREE FORM, MULTI-TRUNK, 4' CT.			EA					6							
	QV	QUERCUS VIRGINIANA / SOUTHERN LIVE OAK, 100 GAL, 14'-16' HT X 7' SPR., 4" IN CAL., 6' CT.			EA	2		7				2					
		PINE BARK FINES / 3" WETTED DEPTH		MINIMA JASMINE AND CONFEDERATE JASMINE AREAS	CY					8							
		PINE BARK MINI NUGGETS/ 3" WETTED DEPTH			CY	26		26		25		16					

REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES	SHEET NO.	
DATE	DESCRIPTION		DATE		DESCRIPTION	ROAD NO.	COUNTY			FINANCIAL PROJECT ID
						SR 30	OKALOOSA			445907-1-52-01
										81

LANDSCAPE TABULATION OF QUANTITIES

PAY ITEM NO.	SYM	DESCRIPTION (BOTANICAL NAME / COMMON NAME; SIZE; SPACING; DETAILS)	MAX. MAINT. SIZE	REMARKS	UNIT	SHEET NUMBERS								TOTAL THIS SHEET		GRAND TOTAL	
						28		29		30		31		PLAN	FINAL	PLAN	FINAL
						PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
526-1-2		CONCRETE PAVERS		2 3/4 X4X8	SY			8				7					
		LIMESTONE BOULDERS		2' X 3' X 4' , 18" EXPOSED	EA												
580-1-1		SMALL PLANTS															
	IC	ILEX CORNUTA 'BURFORDII NANA' / DWARF BURFORD HOLLY, 3 GAL., 18" HT X 16" spr.			EA			77				79					
	LM	LIRIOPE MUSCARI 'EMERALD GODDESS' / EMERALD GODDESS LIRIOPE, 1 GAL., 12" X 12", FULL.	18"		EA	292						510					
	LC	LOROPETALUM CHINENSE 'PURPLE PIXIE' / DWARF LOROPETALUM, 1 GAL., 6" HT. X 8" SPR.			EA	115		287									
	PQ	PASPALUM QUADRIFARIUM / CROWN GRASS, 1 GAL., 16" HT.X 12" SPR.			EA												
	RF	RHODODENDRON X 'FASHION' / FASHION AZALEA, 3 GAL., 18" HT. X 16" SPR.			EA			115									
	TA	TRACHELOSPERMUM ASIATICUM 'MINIMA' / MINIMA JASMINE, 1 GAL. 6" HT. X 12"SPR., 5 RUNNERS MIN.	18"		EA			871									
	TC	TRACHELOSPERMUM JASMINOIDES VARIEGATUM / VARIEGATED CONFEDERATE JASMINE, 1 GAL. 6" HT. X 12"SPR., 5 RUNNERS MIN.	18"		EA												
	YF	YUCCA FILAMENTOSA 'COLOR GUARD' / VARIEGATED ADAM'S NEEDLE, 3 GAL., 14" HT.X 14"SPR.	18"		EA												
580-1-2		LARGE PLANTS															
	IV	ILEX VOMITORIA / YAUPON HOLLY, FG, 10'-12' HT X 6' SPD, TREE FORM, MULTI-TRUNK, 4' CT.			EA	3											
	QV	QUERCUS VIRGINIANA / SOUTHERN LIVE OAK, 100 GAL, 14'-16' HT X 7' SPR., 4" IN CAL., 6' CT.			EA			4									
		PINE BARK FINES / 3" WETTED DEPTH		MINIMA JASMINE AND CONFEDERATE JASMINE AREAS	CY			17									
		PINE BARK MINI NUGGETS/ 3" WETTED DEPTH			CY	10		21				15					

LANDSCAPE TABULATION OF QUANTITIES

PAY ITEM NO.	SYM	DESCRIPTION (BOTANICAL NAME / COMMON NAME; SIZE; SPACING; DETAILS)	MAX. MAINT. SIZE	REMARKS	UNIT	SHEET NUMBERS								TOTAL THIS SHEET		GRAND TOTAL	
						32		33		34		35		PLAN	FINAL	PLAN	FINAL
						PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
526-1-2		CONCRETE PAVERS		2 3/4 X4X8	SY	26		50				17					
		LIMESTONE BOULDERS		2' X 3' X 4' , 18" EXPOSED	EA					6							
580-1-1		SMALL PLANTS															
	IC	ILEX CORNUTA 'BURFORDII NANA' / DWARF BURFORD HOLLY, 3 GAL., 18" HT X 16" spr.			EA			106		48							
	LM	LIRIOPE MUSCARI 'EMERALD GODDESS' / EMERALD GODDESS LIRIOPE, 1 GAL., 12" X 12", FULL.	18"		EA	675		846		340		439					
	LC	LOROPETALUM CHINENSE 'PURPLE PIXIE' / DWARF LOROPETALUM, 1 GAL., 6" HT. X 8" SPR.			EA					347							
	PQ	PASPALUM QUADRIFARIUM / CROWN GRASS, 1 GAL., 16" HT.X 12" SPR.			EA												
	RF	RHODODENDRON X 'FASHION' / FASHION AZALEA, 3 GAL., 18" HT. X 16" SPR.			EA	132						36					
	TA	TRACHELOSPERMUM ASIATICUM 'MINIMA' / MINIMA JASMINE, 1 GAL. 6" HT. X 12"SPR., 5 RUNNERS MIN.	18"		EA	337				394		178					
	TC	TRACHELOSPERMUM JASMINOIDES VARIEGATUM / VARIEGATED CONFEDERATE JASMINE, 1 GAL. 6" HT. X 12"SPR., 5 RUNNERS MIN.	18"		EA					492		381					
	YF	YUCCA FILAMENTOSA 'COLOR GUARD' / VARIEGATED ADAM'S NEEDLE, 3 GAL., 14" HT.X 14"SPR.	18"		EA					70							
580-1-2		LARGE PLANTS															
	IV	ILEX VOMITORIA / YAUPON HOLLY, FG, 10'-12' HT X 6' SPD, TREE FORM, MULTI-TRUNK, 4' CT.			EA			7									
	QV	QUERCUS VIRGINIANA / SOUTHERN LIVE OAK, 100 GAL, 14'-16' HT X 7' SPR., 4" IN CAL., 6' CT.			EA	2				2							
		PINE BARK FINES / 3" WETTED DEPTH		MINIMA JASMINE AND CONFEDERATE JASMINE AREAS	CY	7				18		9					
		PINE BARK MINI NUGGETS/ 3" WETTED DEPTH			CY	21		23		25		13					

REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		82

LANDSCAPE TABULATION OF QUANTITIES																	
PAY ITEM NO.	SYM	DESCRIPTION (BOTANICAL NAME / COMMON NAME; SIZE; SPACING; DETAILS)	MAX. MAINT. SIZE	REMARKS	UNIT	SHEET NUMBERS								TOTAL THIS SHEET		GRAND TOTAL	
						36		37		38		39					
						PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
526-1-2		CONCRETE PAVERS		2 3/4 X4X8	SY	23		26		24							
		LIMESTONE BOULDERS		2' X 3' X 4' , 18" EXPOSED	EA			6									
580-1-1		SMALL PLANTS															
	IC	ILEX CORNUTA 'BURFORDII NANA' / DWARF BURFORD HOLLY, 3 GAL., 18" HT X 16" spr.			EA												
	LM	LIRIOPE MUSCARI 'EMERALD GODDESS' / EMERALD GODDESS LIRIOPE, 1 GAL., 12" X 12", FULL.	18"		EA	487		351									
	LC	LOROPETALUM CHINENSE 'PURPLE PIXIE' / DWARF LOROPETALUM, 1 GAL., 6" HT. X 8" SPR.			EA			35									
	PQ	PASPALUM QUADRIFARIUM / CROWN GRASS, 1 GAL., 16" HT.X 12" SPR.			EA												
	RF	RHODODENDRON X 'FASHION' / FASHION AZALEA, 3 GAL., 18" HT. X 16" SPR.			EA					21		66					
	TA	TRACHELOSPERMUM ASIATICUM 'MINIMA' / MINIMA JASMINE, 1 GAL. 6" HT. X 12"SPR., 5 RUNNERS MIN.	18"		EA	440											
	TC	TRACHELOSPERMUM JASMINOIDES VARIEGATUM / VARIEGATED CONFEDERATE JASMINE, 1 GAL. 6" HT. X 12"SPR., 5 RUNNERS MIN.	18"		EA					193		445					
	YF	YUCCA FILAMENTOSA 'COLOR GUARD' / VARIEGATED ADAM'S NEEDLE, 3 GAL., 14" HT.X 14"SPR.	18"		EA			36									
580-1-2		LARGE PLANTS															
	IV	ILEX VOMITORIA / YAUPON HOLLY, FG, 10'-12' HT X 6' SPD, TREE FORM, MULTI-TRUNK, 4' CT.			EA												
	QV	QUERCUS VIRGINIANA / SOUTHERN LIVE OAK, 100 GAL, 14'-16' HT X 7' SPR., 4" IN CAL., 6' CT.			EA					1							
		PINE BARK FINES / 3" WETTED DEPTH		MINIMA JASMINE AND CONFEDERATE JASMINE AREAS	CY	9				4		9					
		PINE BARK MINI NUGGETS/ 3" WETTED DEPTH			CY	10		10		1		4					

REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		83

NOTE: QUANTITIES ARE APPROXIMATE

IRRIGATION TABULATION OF QUANTITIES				
DESCRIPTION	UNIT	SYS "A"	SYS "B"	TOTAL
IRRIGATION PUMP STATION PACKAGE; INCLUDES 5" WELL WITH 7.5 HP VFD SUBMERSIBLE PUMP CAPABLE OF 60 GPM AT 65 PSI PUMP DISCHARGE, HUNTER ACC2 DECODER CONTROLLER, RAIN/WIND/FREEZE SENSOR, FLOW SENSOR, MASTER VALVE, CONCRETE PAD AND GROUNDING PLATE. REFER TO PUMP DETAIL FOR REQUIRED COMPONENTS.	EA.	1	1	2
230V SINGLE PHASE ELECTRICAL POWER FROM EXISTING PANEL TO PUMP CONTROL PANEL, INCLUDES 2" CONDUIT.	EA.	1	1	2
HUNTER ICV 2" ELECTRIC CONTROL VALVE 24V SOLENOID WITH TIER 8 RATED PURPLE VALVE BOX	EA.	5	1	6
HUNTER ICV 1 1/2" ELECTRIC CONTROL VALVE 24V SOLENOID WITH TIER 8 RATED PURPLE VALVE BOX	EA.	26	22	48
HUNTER ICV 1" ELECTRIC CONTROL VALVE 24V SOLENOID WITH TIER 8 RATED PURPLE VALVE BOX	EA.	5	11	16
PAIGE SPEC P7354D REV.4 14-2 AWG COMMUNICATION CABLE WITH WATER PROOF CONNECTORS	LF.	6,750	6,480	13,230
HUNTER ICD-100 SINGLE ADDRESS DECODER WITH WIRE CONNECTORS	EA.	10	14	24
HUNTER ICD-200 DOUBLE ADDRESS DECODER WITH WIRE CONNECTORS	EA.	8	10	18
5/8" X 10' COPPER GROUNDING ROD WITH 10 SOLID BARE COPPER WIRE AND CADWELD	EA.	11	11	22
RAIN BIRD 1401 0.25 GPM PC FLOOD BUBBLER W/ 1/2" K-FLEX PIPE @ 5' LONG	EA.	48	22	70
RAIN BIRD RD1812-S-P-30-NP 12" POP-UP SPRINKLER W/ FLOW GUARD, NON-POTABLE COVER, 1/2" K-FLEX PIPE @ 5' LONG AND MPR SPRAY NOZZLES	EA.	520	377	897
RAIN BIRD RD1806-S-P-30-NP 6" POP-UP SPRINKLER W/ FLOW GUARD, NON-POTABLE COVER, 1/2" K-FLEX PIPE @ 5' LONG AND MPR SPRAY NOZZLES	EA.	691	593	1,284
3" PVC CL 200 PANTONE PURPLE MAINLINE, SOLVENT WELD WITH SCH. 40 PVC FITTINGS	LF.	6,420	6,170	12,590
2 1/2" PVC CL 200 PANTONE PURPLE LATERAL LINE, SOLVENT WELD	LF.	20	5	25
2" PVC CL 200 PANTONE PURPLE LATERAL LINE, SOLVENT WELD	LF.	985	710	1,695
1 1/2" PVC CL 200 PANTONE PURPLE LATERAL LINE, SOLVENT WELD	LF.	695	590	1,285
1 1/4" PVC CL 200 PANTONE PURPLE LATERAL LINE, SOLVENT WELD	LF.	1,820	1,660	3,480
1" PVC CL 200 PURPLE LATERAL LINE, SOLVENT WELD	LF.	2,775	2,130	4,905
3/4" PVC CL 200 PURPLE LATERAL LINE, SOLVENT WELD	LF.	8,040	6,610	14,650
3/4" PLASTIC CONDUIT FOR COMMUNICATION CABLE WITHIN HDPE BORE AND UNDER PAVERS	LF.	2,850	2,880	5,730
6" SCHEDULE 40 PVC SLEEVE	LF.	50	45	95
4" SCHEDULE 40 PVC SLEEVE	LF.	30	15	45
2" SCHEDULE 40 PVC SLEEVE	LF.	15		15
6" HDPE PE 3608/3408 IPS DR 11 DIRECTIONAL BORE SLEEVE	LF.	2,800	2,280	5,080
2" HDPE PE 3608/3408 IPS DR 11 DIRECTIONAL BORE SLEEVE	LF.	110	65	175
GULF POWER COMPANY ELECTRICAL USAGE FEES AND SERVICE CHARGES DURING THE CONTRACT PERIOD	EA.	1	1	2
EXISTING WELL ABANDONMENT AND RENOVATION OF MEDIAN ELECTRICAL SERVICES	EA.	6	6	12

REVISIONS				Eugene W. Colborn, Jr., RLA LA# 1484 Colborn Design Group, Inc 11628 Somerset Avenue Princess Anne, MD 21853	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION TABULATION OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		84

SUMMARY OF LUMP SUM ITEMS					
PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0101 1	MOBILIZATION	1			

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS												
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE I			PHASE II			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	DURATION	QUANTITY	TOTAL				
			DAYS	P	P	DAYS	P	P	P	F		
0102 1	MAINTENANCE OF TRAFFIC	LS									180 CONSTRUCTION DAYS	
0102 60	WORK ZONE SIGNS	ED	10	20		160	20					
		ED	10	12		160	12				SIDE STREETS	
0102 74 1	CHANNELIZING DEVICE TYPE I,II,DI,VP,DRUM,LCD	ED	17	4		160	94					
0102 76	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	10	2		160	2					
0102 99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	17	2		160	2				7 DAYS PRIOR TO CONST. ACTIVITIES	

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS											
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE III			TOTAL		GRAND TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL						
			DAYS	P	P	P	F	P	F		
0102 1	MAINTENANCE OF TRAFFIC	LS									
0102 60	WORK ZONE SIGNS	ED	10	20							
		ED	10	12							
0102 74 1	CHANNELIZING DEVICE TYPE I,II,DI,VP,DRUM,LCD	ED	10	94							
0102 76	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	10	2							
0102 99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	10	2							

SUMMARY OF PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICES								
CONST. PHASE	LOCATION STA. TO STA.			SIDE	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
					0102 74 8			
	FD							
	P	F						
2	16+46.00	to	16+58.00	RT	10		MIDBLOCK CROSSING IRRIGATION SLEEVE CONST. (1 DAY)	
2	24+32.00	to	24+43.00	LT	10		MIDBLOCK CROSSING IRRIGATION SLEEVE CONST. (1 DAY)	
2	43+31.00	to	43+40.00	RT	10		MIDBLOCK CROSSING IRRIGATION SLEEVE CONST. (1 DAY)	
2	453+86.00	to	453+96.00	LT	10		MIDBLOCK CROSSING IRRIGATION SLEEVE CONST. (1 DAY)	
2	468+61.00	to	468+72.00	LT	10		MIDBLOCK CROSSING IRRIGATION SLEEVE CONST. (1 DAY)	
SUB-TOTAL :								
TOTAL :								

REVISIONS				NICHOLAS A. GROSSO, P.E. P.E. LICENSE NUMBER 71591 CHIPOLA ENGINEERING GROUP, INC. 1695 METROPOLITAN CIRCLE, SUITE 2 TALLAHASSEE, FLORIDA 32308	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		
									SQ-1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES								
LOCATION	SIDE	AREA ID	ARTIFICIAL COVERINGS		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
STA. TO STA.			0104 1		0104 18			
			SY		EA			
			P	F	P	F		
41+25	MEDIAN	B-1	1.0				BIOBARRIER ROOT BARRIER FABRIC	
41+69	MEDIAN	B-2	1.0					
42+12	MEDIAN	B-3	1.0					
42+51	MEDIAN	B-4	1.0					
59+36	MEDIAN	B-5	1.0					
59+66	MEDIAN	B-6	1.0					
60+27	MEDIAN	B-7	1.0					
60+58	MEDIAN	B-8	1.0					
60+87	MEDIAN	B-9	1.0					
61+17	MEDIAN	B-10	1.0					
64+02	MEDIAN	B-11	1.0					
65+33	MEDIAN	B-12	1.0					
65+59	MEDIAN	B-13	1.0					
65+88	MEDIAN	B-14	1.0					
441+37	MEDIAN	B-15	1.0					
441+70	MEDIAN	B-16	1.0					
452+97	MEDIAN	B-17	1.0					
453+31	MEDIAN	B-18	1.0					
477+57	MEDIAN	B-19	1.0					
328+00.00 to 328+00.00	LT				1			
328+40.00 to 328+40.00	RT				1			
334+60.00 to 334+60.00	RT				1			
336+90.00 to 336+90.00	LT/RT				2			
14+88.00 to 14+88.00	LT/RT				2			
17+30.00 to 17+30.00	LT/RT				2			
22+11.00 to 22+11.00	LT/RT				2			
24+59.00 to 24+59.00	LT/RT				2			
32+18.00 to 32+18.00	LT/RT				2			
34+62.00 to 34+62.00	LT/RT				2			
38+52.00 to 38+52.00	LT/RT				2			
40+60.00 to 40+60.00	LT/RT				2			
42+90.00 to 42+90.00	LT/RT				2			
47+95.00 to 47+95.00	LT/RT				2			
50+30.00 to 50+30.00	LT/RT				2			
52+42.00 to 52+42.00	LT/RT				2			
54+62.00 to 54+62.00	LT/RT				2			
57+00.00 to 57+00.00	LT/RT				2			
57+90.00 to 57+90.00	LT				1			
59+21.00 to 59+21.00	LT/RT				2			
61+55.00 to 61+55.00	LT				1			
62+00.00 to 62+00.00	RT				1			
64+60.00 to 64+60.00	LT/RT				2			
70+98.00 to 70+98.00	LT/RT				2			
73+18.00 to 73+18.00	LT/RT				2			
75+37.00 to 75+37.00	LT				1			
SUB-TOTAL :								
TOTAL :								

REVISIONS				NICHOLAS A. GROSSO, P.E. P.E. LICENSE NUMBER 71591 CHIPOLA ENGINEERING GROUP, INC. 1695 METROPOLITAN CIRCLE, SUITE 2 TALLAHASSEE, FLORIDA 32308	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		
									SQ-2

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES								
LOCATION	SIDE	AREA ID	ARTIFICIAL COVERINGS		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
STA. TO STA.			0104 1		0104 18			
			SY		EA			
			P	F	P	F		
75+45.00 to 75+45.00	RT				1			
76+35.00 to 76+35.00	LT				1			
78+00.00 to 78+00.00	LT/RT				2			
82+45.00 to 82+45.00	LT/RT				2			
84+60.00 to 84+60.00	RT				1			
86+17.00 to 86+17.00	LT/RT				2			
90+45.00 to 90+45.00	RT				1			
91+70.00 to 91+70.00	RT				1			
92+58.00 to 92+58.00	RT				1			
94+80.00 to 94+80.00	LT/RT				2			
97+12.00 to 97+12.01	RT				1			
97+20.00 to 97+20.00	LT				1			
424+98.00 to 424+98.00	LT				1			
425+17.00 to 425+17.00	RT				1			
429+05.00 to 429+05.00	LT/RT				2			
431+59.00 to 431+59.00	LT/RT				2			
433+00.00 to 433+00.00	RT				1			
433+35.00 to 433+35.00	LT				1			
434+85.00 to 434+85.00	LT				1			
438+22.00 to 438+22.00	LT/RT				2			
440+00.00 to 440+00.00	LT/RT				2			
444+00.00 to 444+00.00	LT/RT				2			
446+25.00 to 446+25.00	LT				1			
446+45.00 to 446+45.00	RT				1			
448+90.00 to 448+90.00	RT				1			
449+50.00 to 449+50.00	LT				1			
452+00.00 to 452+00.00	LT				1			
452+22.00 to 452+22.00	RT				1			
453+52.00 to 453+52.00	LT/RT				2			
456+97.00 to 456+97.00	LT/RT				2			
460+90.00 to 460+90.00	RT				1			
461+50.00 to 461+50.00	LT				1			
463+10.00 to 463+10.00	LT				1			
463+19.00 to 463+19.00	RT				1			
468+55.00 to 468+55.00	RT				1			
468+58.00 to 468+58.00	LT				1			
470+10.00 to 470+10.00	LT				1			
471+15.00 to 471+15.00	LT/RT				2			
474+20.00 to 474+20.00	RT				1			
477+07.00 to 477+07.00	LT/RT				2			
479+20.00 to 479+20.00	RT				1			
480+00.00 to 480+00.00	LT				1			
SUB-TOTAL :								

REVISIONS				NICHOLAS A. GROSSO, P.E. P.E. LICENSE NUMBER 71591 CHIPOLA ENGINEERING GROUP, INC. 1695 METROPOLITAN CIRCLE, SUITE 2 TALLAHASSEE, FLORIDA 32308	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 30	OKALOOSA	445907-1-52-01		
									SQ-3

SUMMARY OF PERFORMANCE TURF									
LOCATION			AREA ID	PERFORMANCE TURF		DESIGN NOTES	CONSTRUCTION REMARKS		
				570-1-2					
STA. TO STA.				SY					
			P	F					
327+07 - 327+49			S-1	39					
327+71 - 328+69			S-2	71					
330+69 - 334+69			S-3	415					
15+90 - 16+47			S-4	62					
16+53 - 18+47			S-5	290					
19+47 - 20+86			S-6	186					
21+80 - 22+81			S-7	136					
25+58 - 26+58			S-8	127					
33+63 - 34+55			S-9	116					
35+10 - 36+11			S-10	119					
36+88 - 37+52			S-11	80					
38+17 - 38+88			S-12	86					
39+70 - 43+22			S-13	458					
43+46 - 44+70			S-14	182					
45+69 - 48+25			S-15	291					
54+92 - 56+75			S-16	218					
58+00 - 62+15			S-17	537	SOD TO BE ZOYSIA JAPONICA 'EMPIRE', SOD. SEE LANDSCAPE LEGEND.				
62+94 - 66+94			S-18	504					
70+70 - 75+57			S-19	698					
76+29 - 77+34			S-20	158					
79+00 - 80+09			S-21	107					
80+13 - 81+90			S-22	246					
82+42 - 83+10			S-23	75					
84+51 - 85+22			S-24	75					
85+71 - 88+51			S-25	426					
89+22 - 91+76			S-26	371					
94+46 - 95+34			S-27	115					
423+00 - 426+26			S-28	450					
433+20 - 435+59			S-29	206					
441+74 - 442+72			S-30	150					
447+26 - 451+12			S-31	552					
451+88 - 453+36			S-32	233					
458+47 - 460+58			S-33	281					
467+73 - 468+60			S-34	127					
468+69 - 470+22			S-35	209					
470+71 - 471+69			S-36	82					
472+35 - 473+06			S-37	64					
474+20 - 474+52			S-38	21					
475+25 - 476+00			S-39	74					
476+46 - 478+58			S-40	310					
479+31 - 480+00			S-41	85					
481+00 - 481+68			S-42	82					
SUB-TOTAL :									
TOTAL :				9,112					

REVISIONS				James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO.		
DATE	DESCRIPTION		DATE		DESCRIPTION		ROAD NO.		COUNTY	FINANCIAL PROJECT ID	SQ-5
							SR 30		OKALOOSA	445907-1-52-01	

SUMMARY OF EARTHWORK										
PAY ITEM NO.	AREA ID	PAY ITEM DESCRIPTION	CY		DESIGN NOTES	CONSTRUCTION REMARKS				
			P	F						
120-2-2	T-1	SR30 HARBOR BLVD EB (MEDIAN)	2.14		STA 327+06 - 327+49	SOD				
	T-2	SR30 HARBOR BLVD EB (MEDIAN)	3.97		STA 327+71 - 328+69	SOD				
	T-3	SR30 HARBOR BLVD EB (MEDIAN)	0.80		STA 329+18 - 329+34	CRAPE MYRTLE				
	T-4	SR30 HARBOR BLVD EB (MEDIAN)	1.21		STA 329+51 - 329+67	CRAPE MYRTLE				
	T-5	SR30 HARBOR BLVD EB (MEDIAN)	1.08		STA 329+88 - 330+03	CRAPE MYRTLE				
	T-6	SR30 HARBOR BLVD EB (MEDIAN)	23.04		STA 330+69 - 334+69	SOD				
	T-7	SR30 HARBOR BLVD EB (MEDIAN)	13.78		STA 331+64 - 332+26	OAK				
	T-8	SR30 HARBOR BLVD EB (MEDIAN)	3.44		STA 15+90 - 16+47	SOD				
	T-9	SR30 HARBOR BLVD EB (MEDIAN)	16.11		STA 16+53 - 18+48	SOD				
	T-10	SR30 HARBOR BLVD EB (MEDIAN)	10.35		STA 19+47 - 20+86	SOD & CRAPE MYRTLE				
	T-11	SR30 HARBOR BLVD EB (MEDIAN)	7.41		STA 21+85 - 23+80	SOD & CRAPE MYRTLE				
	T-12	SR30 HARBOR BLVD EB (MEDIAN)	1.32		STA 24+09 - 24+24	CRAPE MYRTLE				
	T-13	SR30 HARBOR BLVD EB (MEDIAN)	1.21		STA 24+47 - 24+62	CRAPE MYRTLE				
	T-14	SR30 HARBOR BLVD EB (MEDIAN)	7.08		STA 25+58 - 26+58	SOD & CRAPE MYRTLE				
	T-15	SR30 HARBOR BLVD EB (MEDIAN)	6.42		STA 33+63 - 34+64	SOD				
	T-16	SR30 HARBOR BLVD EB (MEDIAN)	6.59		STA 35+09 - 36+11	SOD & CRAPE MYRTLE				
	T-17	SR30 HARBOR BLVD EB (MEDIAN)	4.42		STA 36+88 - 37+55	SOD & CRAPE MYRTLE				
	T-18	SR30 HARBOR BLVD EB (MEDIAN)	0.81		STA 37+38 - 37+93	CRAPE MYRTLE				
	T-19	SR30 HARBOR BLVD EB (MEDIAN)	4.77		STA 38+14 - 38+88	SOD				
	T-20	SR30 HARBOR BLVD EB (MEDIAN)	25.43		STA 39+71 - 43+22	SOD & CRAPE MYRTLE				
	T-21	SR30 HARBOR BLVD EB (MEDIAN)	32.22		STA 41+15 - 42+60	OAK				
	T-22	SR30 HARBOR BLVD EB (MEDIAN)	12.10		STA 43+40 - 44+70	SOD & CRAPE MYRTLE				
	T-23	SR30 HARBOR BLVD EB (MEDIAN)	16.15		STA 45+69 - 48+25	SOD & CRAPE MYRTLE				
	T-24	SR30 HARBOR BLVD EB (MEDIAN)	0.95		STA 49+46 - 49+61	CRAPE MYRTLE				
	T-25	SR30 HARBOR BLVD EB (MEDIAN)	0.86		STA 49+64 - 49+79	CRAPE MYRTLE				
	T-26	SR30 HARBOR BLVD EB (MEDIAN)	0.83		STA 50+34 - 50+49	CRAPE MYRTLE				
	T-27	SR30 HARBOR BLVD EB (MEDIAN)	1.09		STA 50+80 - 50+95	CRAPE MYRTLE				
	T-28	SR30 HARBOR BLVD EB (MEDIAN)	1.09		STA 52+18 - 52+33	CRAPE MYRTLE				
	T-29	SR30 HARBOR BLVD EB (MEDIAN)	0.96		STA 52+38 - 52+53	CRAPE MYRTLE				
	T-30	SR30 HARBOR BLVD EB (MEDIAN)	0.86		STA 52+61 - 52+76	CRAPE MYRTLE				
	T-31	SR30 HARBOR BLVD EB (MEDIAN)	0.95		STA 53+52 - 53+67	CRAPE MYRTLE				
	T-32	SR30 HARBOR BLVD EB (MEDIAN)	1.09		STA 53+73 - 53+88	CRAPE MYRTLE				
	T-33	SR30 HARBOR BLVD EB (MEDIAN)	1.15		STA 55+07 - 55+22	CRAPE MYRTLE				
	T-34	SR30 HARBOR BLVD EB (MEDIAN)	29.83		STA 58+00 - 62+15	SOD & CRAPE MYRTLE				
	T-35	SR30 HARBOR BLVD EB (MEDIAN)	45.78		STA 59+21 - 61+27	OAK				
	T-36	SR30 HARBOR BLVD EB (MEDIAN)	28.01		STA 62+94 - 66+92	SOD & CRAPE MYRTLE				
	T-37	SR30 HARBOR BLVD EB (MEDIAN)	11.33		STA 63+92 - 64+43	OAK				
	T-38	SR30 HARBOR BLVD EB (MEDIAN)	10.89		STA 65+49 - 65+98	OAK				
	T-39	SR30 HARBOR BLVD EB (MEDIAN)	1.12		STA 68+54 - 68+68	SOD & CRAPE MYRTLE				
	T-40	SR30 HARBOR BLVD EB (MEDIAN)	1.36		STA 68+82 - 68+97	SOD & CRAPE MYRTLE				
	T-41	SR30 HARBOR BLVD EB (MEDIAN)	1.36		STA 69+13 - 69+28	SOD & CRAPE MYRTLE				
	T-42	SR30 HARBOR BLVD EB (MEDIAN)	1.16		STA 69+36 - 69+51	SOD & CRAPE MYRTLE				
	T-43	SR30 HARBOR BLVD EB (MEDIAN)	38.80		STA 70+70 - 75+56	SOD & CRAPE MYRTLE				
	T-44	SR30 HARBOR BLVD EB (MEDIAN)	45.33		STA 71+98 - 74+02	OAK				
	T-45	SR30 HARBOR BLVD EB (MEDIAN)	8.75		STA 76+29 - 77+39	SOD				
REVISIONS					James S. Gilman, RLA LA# 1628 AECOM Technical Services, Inc 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		SUMMARY OF QUANTITIES	SHEET NO.	
DATE	DESCRIPTION		DATE	DESCRIPTION		ROAD NO.	COUNTY		FINANCIAL PROJECT ID	
						SR 30	OKALOOSA		445907-1-52-01	
								SQ-6		



City of Destin

Committee FY 2020 Work Plan

Strategic Goal:

3 IMPROVED MOBILITY AND CONNECTIVITY

Organizational Objective:

3A Implement Multiple Innovative Methods of Transportation Throughout the City

Performance Objective:

3A3 Implement Master Pathways Plan: Plan/Design Gulf Power Easement Trail/Linear Park

Measurable Outcome(s):

Outcomes	Fiscal Year		
	2019	2020	2021
Review and assist with creation of concept plan	100%		
Recommendation to CRA Board	100%		
Identify scope and funding source/input for 2019 budget	100%		
Construction of the pathway		50%	50%

Action Plan:

Task	Resource Needs (persons/organization)	Target Completion Date
Provide input, recommendations to staff concept plan	TC CRAAC & Staff	Winter/Spring
Conduct outreach to property owners	TC CRAAC & Staff	Spring/Summer
Review concept plan for park & trail	TC CRAAC & Staff	Summer
Review and recommend scope and plan to CRA Board	Staff/CRA Board	Fall

Process Improvement:

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Stakeholders:

Internal	External
- City Manager and CRA/CD Staff - CRA Board/City Council	- TC CRAAC Members - Residents, Business Owners, Property Owners in TC CRA
	Potential grant administrators

Process Owner: Lockwood Wernet, Justin Woodard, TC-CRAAC



City of Destin

Committee FY 2020 Work Plan

Strategic Goal:

5 ECONOMIC DEVELOPMENT AND REVITALIZATION

Organizational Objective:

5A Update and Implement Town Center CRA Master Plan

Performance Objective:

5A2 Implement landscape improvements for Town Center CRA

Measurable Outcome(s):

Outcomes	Fiscal Year		
	2019	2020	2021
Work with private partners to fund landscaping on Airport Road	50%	50%	
Install landscaping on Airport Road	50%	50%	

Action Plan:

Task	Resource Needs (persons/organization)	Target Completion Date
Provide input, approval for landscape plan	TC CRAAC/Staff/Owners	Complete
Assist in coordination of public/private partnership for landscape installation	TC CRAAC/Staff/Owners	Winter
Installation of landscaping for phase I	TC CRAAC/Staff/Partners	Winter/Spring

Process Improvement:

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Stakeholders:

Internal	External
- City Manager and CRA/CD Staff - CRA Board	- TC CRAAC Members - Residents, Business Owners, Property Owners in TC CRA - Private partners (Trees on the Coast)

Process Owner: Michele Sandstead, TC-CRAAC



City of Destin

Committee FY 2020 Work Plan

Strategic Goal:

5 ECONOMIC DEVELOPMENT AND REVITALIZATION

Organizational Objective:

5A Update and Implement Town Center CRA Master Plan

Performance Objective:

5A4 Review and revise the Town Center CRA Plan

Measurable Outcome(s):

Outcomes	Fiscal Year		
	2019	2020	2021
Improved look of CRA		50%	50%
Improved property owner participation and cooperation	20%	30%	50%
Improved property values	Ongoing	Ongoing	

Action Plan:

Task	Resource Needs (persons/organization)	Target Completion Date
Conduct outreach to property owners and tenants	TC CRAAC/Staff/Owners	Spring/Summer
Complete revised plan and submit to Board/Council	TC CRAAC/Staff	Winter

Process Improvement:

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Stakeholders:

Internal	External
- City Manager and CRA/CD Staff - CRA Board	- TC CRAAC Members - Residents, Business Owners, Property Owners in TC CRA

Process Owner: Delores Morrell, TC-CRAAC



City of Destin

Committee FY 2019 Work Plan

Strategic Goal:

5 ECONOMIC DEVELOPMENT AND REVITALIZATION

Organizational Objective:

Performance Objective:

Research possible grants for CRA projects

Measurable Outcome(s):

Outcomes	Fiscal Year		
	2019	2020	2021
Seek grant funding for CRA projects	Ongoing	Ongoing	Ongoing

Action Plan:

Task	Resource Needs (persons/organization)	Target Completion Date
Research grants	TC CRAAC & Staff	Winter/Spring
Submit grant applications	TC CRAAC & Staff	Summer/Fall

Process Improvement:

Stakeholders:

Internal	External
City Manager and CRA/CD Staff	TC CRAAC Members

Process Owner: Justin Woodard, TC-CRAAC