SITE DEVELOPMENT PLANS
FOR
BLUE ANGEL PLAZA

9500 W HIGHWAY 98 (SR30)
18-2S-31-3100-000-000, ESCAMBIA COUNTY, FLORIDA
PROPERTY REFERENCE NUMBER: 18-2S-31-3100-000-000

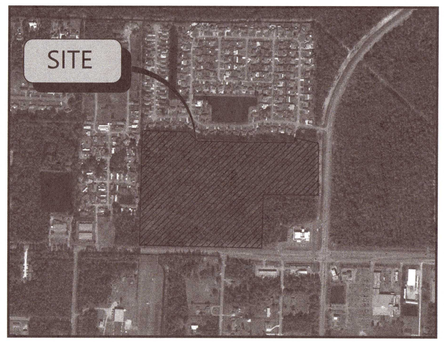
Jim Lowe

Digitally signed by Jim Lowe
Date: 2022.05.02 11:01:54 -04'00'

VICINITY MAP
N.T.S.

FEMA MAP
N.T.S.

NOTE: THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN FLOOD ZONE A, (AREAS SUBJECT TO INUNDATION BY THE 2-PERCENT-ANNUAL-CHANCE FLOOD EVENT. BECAUSE DETAILED HYDRAULIC ANALYSES HAVE NOT BEEN PERFORMED, NO BASE FLOOD ELEVATIONS (BFES) OR FLOOD DEPTHS ARE SHOWN), AND FLOOD ZONE X, AS DETERMINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA, COMMUNITY 120080, FIRM MAP PANEL NUMBERS 12033C0136SG, MAP REVISION DATED SEPTEMBER 29, 2006. PRELIMINARY MAPS JANUARY 27, 2017, MAP PANEL NUMBER 12033C0415J. ATWELL-GROUP, JIM LOWE, PE COMPLETED A FLOOD STUDY ON MARCH 21, 2022.



AERIAL MAP
N.T.S.

BLUE ANGEL PLAZA
TOTAL SITE AREA: 45.300 AC.
ZONING: COMMERCIAL (ESCAMBIA COUNTY)

DEVELOPMENT TEAM

OWNER
BLUE ANGEL PLAZA VSI, LLC
106 E. 8TH AVENUE
ROME, GA 30161
PHONE: (334) 260-2528
CONTACT: EVAN CONDER

CIVIL ENGINEER
ATWELL, LLC
1800 PARKWAY PLACE, SUITE 700
MARIETTA, GA 30067
PHONE: (770) 423-0807
FAX: (770) 423-1262
CONTACT: JAMES A. LOWE

ARCHITECT
CUHACI & PETERSON ARCHITECTS, ENGINEERS, PLANNERS
930 WOODCOCK ROAD, SUITE 101
ORLANDO, FL 32803
PHONE: (407)-661-9100
FAX: (407)-985-2826
CONTACT: SERGEY SHUTT

SURVEYOR
NORTHWEST FLORIDA SURVEYING, INC.
7142 BELGIUM CIRCLE
PENSACOLA, FL 32526
PHONE: (850) 432-1052
FAX: (850) 433-6049
CONTACT: JEFF SIMMONS

GOVERNING AGENCIES AND UTILITY CONTACTS

ESCAMBIA COUNTY PUBLIC WORKS
601 HIGHWAY 297-A
CANTONMENT, FL 32533
PHONE: (850) 595-3422
CONTACT: JASON WALTERS

ESCAMBIA COUNTY PLANNING & ZONING
3363 WEST PARK PLACE
PENSACOLA, FLORIDA 32505
PHONE: (850) 595-4651
CONTACT: JOHN FISHER

GULF POWER
1 ENERGY PLACE
PENSACOLA, FL 32520
PHONE: (850) 429-2810
CONTACT: HANNAH NANO

GAS: PENSACOLA ENERGY
1625 ATWOOD DRIVE
PENSACOLA, FL 32514-7505
PHONE: (850) 474-5319
CONTACT: DIANE MOORE

EMERALD COAST UTILITY AUTHORITY
9255 STURDEVANT STREET
PENSACOLA, FLORIDA 32514
PHONE: (850) 969-6501
CONTACT: MICHAEL HAMLIN

FDOT - MILTON OPERATIONS
6025 OLD BAGDAD HIGHWAY
MILTON, FL 32571

AT&T
30 W. BELMONT STREET
PENSACOLA, FL 32501
PHONE: (850) 436-1495
CONTACT: BRAD SAUERS

SUBMITTAL DATE

SUBMITTAL - 10-26-2021
PLAN REVISIONS - 01-26-2022

Approved
ESCAMBIA COUNTY DRC PLAN REVIEW
DRC Chairman Signature: Jennifer Hampton 3-25-22 Date
Printed Name: Jennifer Hampton
Development Services Director or Designee
This document has been reviewed in accordance with the requirements of applicable Escambia County Regulations and Ordinances, and does not in any way relieve the submitting Architect, Engineer, Surveyor or other signatory from responsibility of details as drawn. A Development Order (DO) must be obtained through the Development Review Process prior to the commencement of construction. This DO approval does not constitute approval by any other agency. All additional state/federal permits shall be provided to the county prior to approval of a final plat or the issuance of a building permit.

PROJECT RELATED PERMIT NUMBERS:

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION ("FDEP") FEDERAL/404 #: 0396438-001-SFI-17
NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT ('DISTRICT") STATE #: IND-033-295735-1

ECUA Engineering Manual Reference Note*
**note shall be inserted in the upper right corner of title sheet*
** applicable only to ECUA infrastructure to be constructed in public ROW or in utility easement; not to be applied to private water/sewer facilities on private property (see Building Code)*

A. ECUA Engineering Manual Incorporated by Reference

The ECUA Engineering Manual, dated December 18, 2014, along with Update # 1 dated September 1, 2016 (hereinafter "Manual"), located at www.ecua.fl.gov, is hereby incorporated by reference into this Project's official contract documents as if fully set forth therein. It is the Contractor's responsibility to be knowledgeable of the Manual's contents and to construct the Project in accordance with the Manual. The Contractor shall provide its employees access to the Manual at all times, via Project site or office, via digital or paper format. In the event of a conflict between the Manual and Plans, Contractor shall consult Engineer of Record for proper resolution.

B. Additional Documents (to be completed by the Engineer of Record)

Does this Project have additional technical specifications or construction details that supplement and/or supersede the Manual listed above? ☐YES NO☐. If yes, Contractor shall construct Project in accordance with said documents as listed and located below:

Document Name	Document Type		Location	
	Specification	Detail	Plans	Project Manual*
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐

**Project Manuals used only with ECUA CIP Projects*

C. Engineer of Record Responsibilities

The Engineers of Record (EORs) that have affixed their seals and signatures on these plans warrant their portions of the plans have been designed in accordance with the Manual (unless otherwise directed by the ECUA Project Engineer). The EORs shall be knowledgeable of the Manual's contents and shall assume responsibility for its use on this Project.

Sheet List Table

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R200	FDOT US HWY 98 (SR30) SITE PLAN
R201	FDOT SR173 SITE PLAN
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C702	CONSTRUCTION DETAILS
C703	CONSTRUCTION DETAILS
C704	ECUA DETAILS
C705	ECUA DETAILS
C706	FDOT DETAILS
C707	FDOT DETAILS
C708	FDOT DETAILS
C800	SWPPP DETAILS
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L101	LANDSCAPE PLAN
L110	LANDSCAPE DETAILS
I100	IRRIGATION PLANS
I101	IRRIGATION SLEEVING PLAN
I200	IRRIGATION PLANS
I300	IRRIGATION DETAILS
I301	IRRIGATION DETAILS

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IT'S THE LAW IN FLORIDA

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR; NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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24 HOUR EMERGENCY CONTACT

ATWELL
866.850.4200 www.atwell-group.com
1800 PARKWAY PLACE, SUITE 700
MARIETTA, GA
770.423.0807
COA # EF0005804

SEC 18, TSP 2S, RNG 31W
9500 W HIGHWAY 98
18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
COVER

DATE 10-26-2021

01-26-2022
03-02-2022
03-30-2022
04-29-2022
REVISIONS

JAMES A. LOWE LICENSE No 0044729 STATE OF FLORIDA PROFESSIONAL ENGINEER

CAD FILE: 20001743-C000 COVER

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C000

NOT-ISSUED-FOR-CONSTRUCTION

FILE NAME: K:\20001743 Pensacola Grocery - Blue Angel Pkwy\Design\Civil\04 PRODUCTION\20001743-C000 COVER.dwg LAST SAVED BY: hwright 5/2/2022 10:59 AM PLOTTED BY: Hana Wright 5/2/2022 PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF.PC3 PLOT STYLE: ATWELL.CTB

DESCRIPTION AS PREPARED BY NORTHWEST FLORIDA LAND SURVEYING, INC.
(PARCEL 4) CREATED AT THE CLIENT'S REQUEST
DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF SECTION 18, TOWNSHIP 2 SOUTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA (CERTIFIED CORNER RECORD #088785); THENCE GO NORTH 02 DEGREES 13 MINUTES 41 SECONDS EAST ALONG THE WEST LINE OF SAID SECTION 18 FOR A DISTANCE OF 2645.93 FEET TO THE NORTHWEST CORNER OF THE SOUTHWEST QUARTER OF SAID SECTION 18; THENCE GO SOUTH 88 DEGREES 52 MINUTES 26 SECONDS EAST ALONG THE NORTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 18 FOR A DISTANCE OF 700.11 FEET TO THE NORTHWEST CORNER OF SOUTHBAY ACCORDING TO THE PLAT THEREOF RECORD IN PLAT BOOK 15 AT PAGE 12 OF THE PUBLIC RECORDS OF SAID COUNTY; THENCE GO SOUTH 02 DEGREES 12 MINUTES 28 SECONDS WEST ALONG THE WEST LINE OF SAID SOUTHBAY FOR A DISTANCE OF 1234.12 FEET TO THE MOST SOUTHWEST CORNER OF SAID SOUTHBAY; THENCE CONTINUE SOUTH 02 DEGREES 15 MINUTES 21 SECONDS WEST FOR A DISTANCE OF 1271.41 FEET TO AN INTERSECTION WITH THE NORTH RIGHT OF WAY LINE OF U.S. 98, STATE ROAD 298-B (200' R/W); THENCE GO SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST ALONG THE NORTH RIGHT OF WAY OF SAID U.S. 98 FOR A DISTANCE OF 528.20 FEET; THENCE CONTINUE SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST ALONG THE NORTH RIGHT OF WAY LINE OF SAID U.S. 98 FOR A DISTANCE OF 230.75 FEET; THENCE CONTINUE SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST ALONG THE NORTH RIGHT OF WAY LINE OF SAID U.S. 98 FOR A DISTANCE OF 175.83 FEET; THENCE CONTINUE SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST ALONG THE NORTH RIGHT OF WAY LINE OF SAID U.S. 98 FOR A DISTANCE OF 66.20 FEET TO THE POINT OF BEGINNING; THENCE GO NORTH 01 DEGREES 52 MINUTES 08 SECONDS EAST FOR A DISTANCE OF 45.80 FEET; THENCE GO NORTH 88 DEGREES 07 MINUTES 52 SECONDS WEST FOR A DISTANCE OF 16.00 FEET; THENCE GO NORTH 01 DEGREES 52 MINUTES 08 SECONDS EAST FOR A DISTANCE OF 153.20 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE SOUTHEASTERLY AND HAVING A RADIUS OF 48.00 FEET; THENCE GO NORTHEASTERLY ALONG THE ARC OF SAID CURVE HAVING A RADIUS OF 48.00 FEET FOR AN ARC DISTANCE OF 75.40 FEET (DELTA= 90 DEGREES 00 MINUTES 00 SECONDS, CHORD BEARING= NORTH 46 DEGREES 52 MINUTES 08 SECONDS EAST, CHORD DISTANCE= 67.88 FEET) TO A POINT OF TANGENCY; THENCE GO SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST FOR A DISTANCE OF 126.64 FEET; THENCE GO SOUTH 01 DEGREES 52 MINUTES 08 SECONDS WEST FOR A DISTANCE OF 247.00 FEET TO AN INTERSECTION WITH THE AFORESAID NORTH RIGHT OF WAY LINE OF U.S. 98; THENCE GO NORTH 88 DEGREES 07 MINUTES 52 SECONDS WEST ALONG THE NORTH RIGHT OF WAY LINE OF SAID U.S. 98 FOR A DISTANCE OF 158.64 FEET TO THE POINT OF BEGINNING. THE ABOVE DESCRIBED PARCEL OF LAND IS SITUATED IN A PORTION OF SECTION 18, TOWNSHIP 2 SOUTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA AND CONTAINS 0.96 ACRES MORE OR LESS.

DESCRIPTION AS PREPARED BY NORTHWEST FLORIDA LAND SURVEYING, INC.
(PARCEL 5) CREATED AT THE CLIENT'S REQUEST
DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF SECTION 18, TOWNSHIP 2 SOUTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA (CERTIFIED CORNER RECORD #088785); THENCE GO NORTH 02 DEGREES 13 MINUTES 41 SECONDS EAST ALONG THE WEST LINE OF SAID SECTION 18 FOR A DISTANCE OF 2645.93 FEET TO THE NORTHWEST CORNER OF THE SOUTHWEST QUARTER OF SAID SECTION 18; THENCE GO SOUTH 88 DEGREES 52 MINUTES 26 SECONDS EAST ALONG THE NORTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 18 FOR A DISTANCE OF 700.11 FEET TO THE NORTHWEST CORNER OF SOUTHBAY ACCORDING TO THE PLAT THEREOF RECORD IN PLAT BOOK 15 AT PAGE 12 OF THE PUBLIC RECORDS OF SAID COUNTY; THENCE GO SOUTH 02 DEGREES 12 MINUTES 28 SECONDS WEST ALONG THE WEST LINE OF SAID SOUTHBAY FOR A DISTANCE OF 1234.12 FEET TO THE MOST SOUTHWEST CORNER OF SAID SOUTHBAY; THENCE CONTINUE SOUTH 02 DEGREES 15 MINUTES 21 SECONDS WEST FOR A DISTANCE OF 1271.41 FEET TO AN INTERSECTION WITH THE NORTH RIGHT OF WAY LINE OF U.S. 98, STATE ROAD 298-B (200' R/W); THENCE GO SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST ALONG THE NORTH RIGHT OF WAY OF SAID U.S. 98 FOR A DISTANCE OF 528.20 FEET; THENCE CONTINUE SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST ALONG THE NORTH RIGHT OF WAY LINE OF SAID U.S. 98 FOR A DISTANCE OF 230.75 FEET; THENCE CONTINUE SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST ALONG THE NORTH RIGHT OF WAY LINE OF SAID U.S. 98 FOR A DISTANCE OF 175.83 FEET; THENCE CONTINUE SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST ALONG THE NORTH RIGHT OF WAY LINE OF SAID U.S. 98 FOR A DISTANCE OF 66.20 FEET; THENCE CONTINUE SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST ALONG THE NORTH RIGHT OF WAY LINE OF SAID U.S. 98 FOR A DISTANCE OF 158.64 FEET TO THE POINT OF BEGINNING; THENCE GO NORTH 01 DEGREES 52 MINUTES 08 SECONDS EAST FOR A DISTANCE OF 247.00 FEET; THENCE GO SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST FOR A DISTANCE OF 140.05 FEET; THENCE GO SOUTH 01 DEGREES 51 MINUTES 38 SECONDS WEST FOR A DISTANCE OF 247.00 FEET TO AN INTERSECTION WITH THE AFORESAID NORTH RIGHT OF WAY LINE OF U.S. 98; THENCE GO NORTH 88 DEGREES 07 MINUTES 52 SECONDS WEST ALONG THE NORTH RIGHT OF WAY LINE OF SAID U.S. 98 FOR A DISTANCE OF 140.08 FEET TO THE POINT OF BEGINNING. THE ABOVE DESCRIBED PARCEL OF LAND IS SITUATED IN A PORTION OF SECTION 18, TOWNSHIP 2 SOUTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA AND CONTAINS 0.79 ACRES MORE OR LESS.

DESCRIPTION AS PREPARED BY NORTHWEST FLORIDA LAND SURVEYING, INC.
(PARCEL 6) CREATED AT THE CLIENT'S REQUEST
DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF SECTION 18, TOWNSHIP 2 SOUTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA (CERTIFIED CORNER RECORD #088785); THENCE GO NORTH 02 DEGREES 13 MINUTES 41 SECONDS EAST ALONG THE WEST LINE OF SAID SECTION 18 FOR A DISTANCE OF 2645.93 FEET TO THE NORTHWEST CORNER OF THE SOUTHWEST QUARTER OF SAID SECTION 18; THENCE GO SOUTH 88 DEGREES 52 MINUTES 26 SECONDS EAST ALONG THE NORTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 18 FOR A DISTANCE OF 700.11 FEET TO THE NORTHWEST CORNER OF SOUTHBAY ACCORDING TO THE PLAT THEREOF RECORD IN PLAT BOOK 15 AT PAGE 12 OF THE PUBLIC RECORDS OF SAID COUNTY; THENCE GO SOUTH 02 DEGREES 12 MINUTES 28 SECONDS WEST ALONG THE WEST LINE OF SAID SOUTHBAY FOR A DISTANCE OF 1234.12 FEET TO THE MOST SOUTHWEST CORNER OF SAID SOUTHBAY; THENCE CONTINUE SOUTH 02 DEGREES 15 MINUTES 21 SECONDS WEST FOR A DISTANCE OF 1271.41 FEET TO AN INTERSECTION WITH THE NORTH RIGHT OF WAY LINE OF U.S. 98, STATE ROAD 298-B (200' R/W); THENCE GO SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST ALONG THE NORTH RIGHT OF WAY OF SAID U.S. 98 FOR A DISTANCE OF 528.20 FEET; THENCE CONTINUE SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST ALONG THE NORTH RIGHT OF WAY LINE OF SAID U.S. 98 FOR A DISTANCE OF 230.75 FEET; THENCE CONTINUE SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST ALONG THE NORTH RIGHT OF WAY LINE OF SAID U.S. 98 FOR A DISTANCE OF 175.83 FEET; THENCE CONTINUE SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST ALONG THE NORTH RIGHT OF WAY LINE OF SAID U.S. 98 FOR A DISTANCE OF 66.20 FEET; THENCE CONTINUE SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST ALONG THE NORTH RIGHT OF WAY LINE OF SAID U.S. 98 FOR A DISTANCE OF 158.64 FEET TO THE POINT OF BEGINNING; THENCE GO NORTH 01 DEGREES 52 MINUTES 08 SECONDS EAST FOR A DISTANCE OF 247.00 FEET; THENCE GO SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST FOR A DISTANCE OF 140.05 FEET; THENCE GO SOUTH 01 DEGREES 51 MINUTES 38 SECONDS WEST FOR A DISTANCE OF 247.00 FEET TO AN INTERSECTION WITH THE AFORESAID NORTH RIGHT OF WAY LINE OF U.S. 98; THENCE GO NORTH 88 DEGREES 07 MINUTES 52 SECONDS WEST ALONG THE NORTH RIGHT OF WAY LINE OF SAID U.S. 98 FOR A DISTANCE OF 140.08 FEET TO THE POINT OF BEGINNING. THE ABOVE DESCRIBED PARCEL OF LAND IS SITUATED IN A PORTION OF SECTION 18, TOWNSHIP 2 SOUTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA AND CONTAINS 0.79 ACRES MORE OR LESS.

DESCRIPTION AS PREPARED BY NORTHWEST FLORIDA LAND SURVEYING, INC.
(PARCEL 1) CREATED AT THE CLIENT'S REQUEST
DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF SECTION 18, TOWNSHIP 2 SOUTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA (CERTIFIED CORNER RECORD #088785); THENCE GO NORTH 02 DEGREES 13 MINUTES 41 SECONDS EAST ALONG THE WEST LINE OF SAID SECTION 18 FOR A DISTANCE OF 2645.93 FEET TO THE NORTHWEST CORNER OF THE SOUTHWEST QUARTER OF SAID SECTION 18; THENCE GO SOUTH 88 DEGREES 52 MINUTES 26 SECONDS EAST ALONG THE NORTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 18 FOR A DISTANCE OF 700.11 FEET TO THE NORTHWEST CORNER OF SOUTHBAY ACCORDING TO THE PLAT THEREOF RECORD IN PLAT BOOK 15 AT PAGE 12 OF THE PUBLIC RECORDS OF SAID COUNTY; THENCE GO SOUTH 02 DEGREES 12 MINUTES 28 SECONDS WEST ALONG THE WEST LINE OF SAID SOUTHBAY FOR A DISTANCE OF 1234.12 FEET TO THE MOST SOUTHWEST CORNER OF SAID SOUTHBAY, SAID POINT BEING THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 02 DEGREES 15 MINUTES 21 SECONDS WEST FOR A DISTANCE OF 1271.41 FEET TO AN INTERSECTION WITH THE NORTH RIGHT OF WAY LINE OF U.S. 98, STATE ROAD 298-B (200' R/W); THENCE GO SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST ALONG THE NORTH RIGHT OF WAY OF SAID U.S. 98 FOR A DISTANCE OF 528.20 FEET; THENCE GO NORTH 01 DEGREES 52 MINUTES 08 SECONDS EAST FOR A DISTANCE OF 247.00 FEET; THENCE GO SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST FOR A DISTANCE OF 361.58 FEET TO A POINT OF CURVATURE OF A CURVE CONCAVE SOUTHWESTERLY AND HAVING A RADIUS OF 45.00 FEET; THENCE GO SOUTHEASTERLY ALONG THE ARC OF SAID CURVE HAVING A RADIUS OF 45.00 FEET FOR AN ARC DISTANCE OF 70.69 FEET (DELTA= 90 DEGREES 00 MINUTES 00 SECONDS, CHORD BEARING= SOUTH 43 DEGREES 07 MINUTES 52 SECONDS EAST, CHORD DISTANCE= 63.64 FEET) TO A POINT OF TANGENCY; THENCE GO SOUTH 01 DEGREES 52 MINUTES 08 SECONDS WEST FOR A DISTANCE OF 202.00 FEET TO AN INTERSECTION WITH THE AFORESAID NORTH RIGHT OF WAY LINE OF U.S. 98; THENCE GO SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST ALONG THE NORTH RIGHT OF WAY LINE OF U.S. 98 FOR A DISTANCE OF 66.20 FEET; THENCE GO NORTH 01 DEGREES 52 MINUTES 08 SECONDS EAST FOR A DISTANCE OF 45.80 FEET; THENCE GO NORTH 88 DEGREES 07 MINUTES 52 SECONDS WEST FOR A DISTANCE OF 16.00 FEET; THENCE GO NORTH 01 DEGREES 52 MINUTES 08 SECONDS EAST FOR A DISTANCE OF 153.20 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE SOUTHEASTERLY AND HAVING A RADIUS OF 48.00 FEET; THENCE GO NORTHEASTERLY ALONG THE ARC OF SAID CURVE HAVING A RADIUS OF 48.00 FEET FOR AN ARC DISTANCE OF 75.40 FEET (DELTA= 90 DEGREES 00 MINUTES 00 SECONDS, CHORD BEARING= NORTH 46 DEGREES 52 MINUTES 08 SECONDS EAST, CHORD DISTANCE= 67.88 FEET) TO A POINT OF TANGENCY; THENCE GO SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST FOR A DISTANCE OF 266.69 FEET; THENCE GO SOUTH 01 DEGREES 51 MINUTES 38 SECONDS WEST FOR A DISTANCE OF 247.00 FEET TO AN INTERSECTION WITH THE AFORESAID NORTH RIGHT OF WAY LINE OF U.S. 98; THENCE GO SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST ALONG THE NORTH RIGHT OF WAY LINE OF SAID U.S. 98 FOR A DISTANCE OF 40.18 FEET; THENCE GO NORTH 02 DEGREES 10 MINUTES 00 SECONDS EAST FOR A DISTANCE OF 600.00 FEET; THENCE GO SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST FOR A DISTANCE OF 600.00 FEET TO AN INTERSECTION WITH THE WEST RIGHT OF WAY LINE OF BLUE ANGEL PARKWAY (R/W WIDTH VARIES); THENCE GO NORTH 02 DEGREES 10 MINUTES 00 SECONDS EAST ALONG THE WEST RIGHT OF WAY LINE OF SAID BLUE ANGEL PARKWAY FOR A DISTANCE OF 392.97 FEET; THENCE GO NORTH 54 DEGREES 58 MINUTES 19 SECONDS WEST FOR A DISTANCE OF 320.21 FEET TO AN INTERSECTION WITH THE SOUTH LINE OF THE AFORESAID SOUTHBAY; THENCE GO NORTH 87 DEGREES 50 MINUTES 54 SECONDS WEST ALONG THE SOUTH LINE OF SAID SOUTHBAY FOR A DISTANCE OF 1070.00 FEET; THENCE GO NORTH 47 DEGREES 49 MINUTES 56 SECONDS WEST ALONG THE SOUTH LINE OF SAID SOUTHBAY FOR A DISTANCE OF 147.65 FEET; THENCE GO NORTH 87 DEGREES 50 MINUTES 09 SECONDS WEST ALONG THE SOUTH LINE OF SAID SOUTH BAY FOR A DISTANCE OF 485.80 FEET TO THE POINT OF BEGINNING. THE ABOVE DESCRIBED PARCEL OF LAND IS SITUATED IN A PORTION OF SECTION 18, TOWNSHIP 2 SOUTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA AND CONTAINS 40.48 ACRES MORE OR LESS.

DESCRIPTION AS PREPARED BY NORTHWEST FLORIDA LAND SURVEYING, INC.
(PARCEL 2) CREATED AT THE CLIENT'S REQUEST
DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF SECTION 18, TOWNSHIP 2 SOUTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA (CERTIFIED CORNER RECORD #088785); THENCE GO NORTH 02 DEGREES 13 MINUTES 41 SECONDS EAST ALONG THE WEST LINE OF SAID SECTION 18 FOR A DISTANCE OF 2645.93 FEET TO THE NORTHWEST CORNER OF THE SOUTHWEST QUARTER OF SAID SECTION 18; THENCE GO SOUTH 88 DEGREES 52 MINUTES 26 SECONDS EAST ALONG THE NORTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 18 FOR A DISTANCE OF 700.11 FEET TO THE NORTHWEST CORNER OF SOUTHBAY ACCORDING TO THE PLAT THEREOF RECORD IN PLAT BOOK 15 AT PAGE 12 OF THE PUBLIC RECORDS OF SAID COUNTY; THENCE GO SOUTH 02 DEGREES 12 MINUTES 28 SECONDS WEST ALONG THE WEST LINE OF SAID SOUTHBAY FOR A DISTANCE OF 1234.12 FEET TO THE MOST SOUTHWEST CORNER OF SAID SOUTHBAY; THENCE CONTINUE SOUTH 02 DEGREES 15 MINUTES 21 SECONDS WEST FOR A DISTANCE OF 1271.41 FEET TO AN INTERSECTION WITH THE NORTH RIGHT OF WAY LINE OF U.S. 98, STATE ROAD 298-B (200' R/W); THENCE GO SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST ALONG THE NORTH RIGHT OF WAY OF SAID U.S. 98 FOR A DISTANCE OF 528.20 FEET TO THE POINT OF BEGINNING; THENCE GO NORTH 01 DEGREES 52 MINUTES 08 SECONDS EAST FOR A DISTANCE OF 247.00 FEET; THENCE GO SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST FOR A DISTANCE OF 247.00 FEET; THENCE GO SOUTH 01 DEGREES 52 MINUTES 08 SECONDS WEST FOR A DISTANCE OF 247.00 FEET TO AN INTERSECTION WITH THE AFORESAID NORTH RIGHT OF WAY LINE OF U.S. 98; THENCE GO NORTH 88 DEGREES 07 MINUTES 52 SECONDS WEST ALONG THE NORTH RIGHT OF WAY LINE OF SAID U.S. 98 FOR A DISTANCE OF 230.75 FEET TO THE POINT OF BEGINNING. THE ABOVE DESCRIBED PARCEL OF LAND IS SITUATED IN A PORTION OF SECTION 18, TOWNSHIP 2 SOUTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA AND CONTAINS 1.31 ACRES MORE OR LESS.

DESCRIPTION AS PREPARED BY NORTHWEST FLORIDA LAND SURVEYING, INC.
(PARCEL 3) CREATED AT THE CLIENT'S REQUEST
DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF SECTION 18, TOWNSHIP 2 SOUTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA (CERTIFIED CORNER RECORD #088785); THENCE GO NORTH 02 DEGREES 13 MINUTES 41 SECONDS EAST ALONG THE WEST LINE OF SAID SECTION 18 FOR A DISTANCE OF 2645.93 FEET TO THE NORTHWEST CORNER OF THE SOUTHWEST QUARTER OF SAID SECTION 18; THENCE GO SOUTH 88 DEGREES 52 MINUTES 26 SECONDS EAST ALONG THE NORTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 18 FOR A DISTANCE OF 700.11 FEET TO THE NORTHWEST CORNER OF SOUTHBAY ACCORDING TO THE PLAT THEREOF RECORD IN PLAT BOOK 15 AT PAGE 12 OF THE PUBLIC RECORDS OF SAID COUNTY; THENCE GO SOUTH 02 DEGREES 12 MINUTES 28 SECONDS WEST ALONG THE WEST LINE OF SAID SOUTHBAY FOR A DISTANCE OF 1234.12 FEET TO THE MOST SOUTHWEST CORNER OF SAID SOUTHBAY; THENCE CONTINUE SOUTH 02 DEGREES 15 MINUTES 21 SECONDS WEST FOR A DISTANCE OF 1271.41 FEET TO AN INTERSECTION WITH THE NORTH RIGHT OF WAY LINE OF U.S. 98, STATE ROAD 298-B (200' R/W); THENCE GO SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST ALONG THE NORTH RIGHT OF WAY OF SAID U.S. 98 FOR A DISTANCE OF 528.20 FEET; THENCE CONTINUE SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST ALONG THE NORTH RIGHT OF WAY LINE OF SAID U.S. 98 FOR A DISTANCE OF 230.75 FEET TO THE POINT OF BEGINNING; THENCE GO NORTH 01 DEGREES 52 MINUTES 08 SECONDS EAST FOR A DISTANCE OF 247.00 FEET; THENCE GO SOUTH 88 DEGREES 07 MINUTES 52 SECONDS EAST FOR A DISTANCE OF 130.83 FEET TO A POINT OF CURVATURE OF A CURVE CONCAVE SOUTHWESTERLY AND HAVING A RADIUS OF 45.00 FEET; THENCE GO SOUTHEASTERLY ALONG THE ARC OF SAID CURVE HAVING A RADIUS OF 45.00 FEET FOR AN ARC DISTANCE OF 70.69 FEET (DELTA= 90 DEGREES 00 MINUTES 00 SECONDS, CHORD BEARING= SOUTH 43 DEGREES 07 MINUTES 52 SECONDS EAST, CHORD DISTANCE= 63.64 FEET) TO A POINT OF TANGENCY; THENCE GO SOUTH 01 DEGREES 52 MINUTES 08 SECONDS WEST FOR A DISTANCE OF 202.00 FEET TO AN INTERSECTION WITH THE AFORESAID NORTH RIGHT OF WAY LINE OF U.S. 98; THENCE GO NORTH 88 DEGREES 07 MINUTES 52 SECONDS WEST ALONG THE NORTH RIGHT OF WAY LINE OF SAID U.S. 98 FOR A DISTANCE OF 175.83 FEET TO THE POINT OF BEGINNING. THE ABOVE DESCRIBED PARCEL OF LAND IS SITUATED IN A PORTION OF SECTION 18, TOWNSHIP 2 SOUTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA AND CONTAINS 0.99 ACRES MORE OR LESS.

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1-800-432-4770
IT'S THE LAW IN FLORIDA

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR; NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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MARIETTA, GA
770.421.0600
COA # EB26504

SEC 18, TSP 2S, RNG 31W

9500 W HIGHWAY 98

18-2S-31-3100-000-000

ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA

BLUE ANGEL PLAZA VSI, LLC

SITE DEVELOPMENT PLANS

PARCEL LEGAL DESCRIPTIONS

DATE
10-26-2021

01-26-2022
03-02-2022
03-30-2022
04-29-2022

REVISIONS

JAMES A. LOWE — LICENSE — No 0044729 — STATE OF FLORIDA — PROFESSIONAL ENGINEER

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##

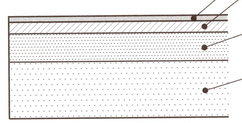
NOT-ISSUED-FOR-CONSTRUCTION

CAD FILE: 20001743-COVER

FILE NAME: N:\20001743 Panacea Grocery - Blue Angel Pkwy\Design\SPA\SK PRODUCTION\20001743 -COVER.dwg LAST SAVED BY: hwright 4/29/2022 4:05 PM PLOTTED BY: Hank Wright 4/29/2022 PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF.pc3 PLOT STYLE: ATWELL.ctb

TYPICAL SECTION NOTES:

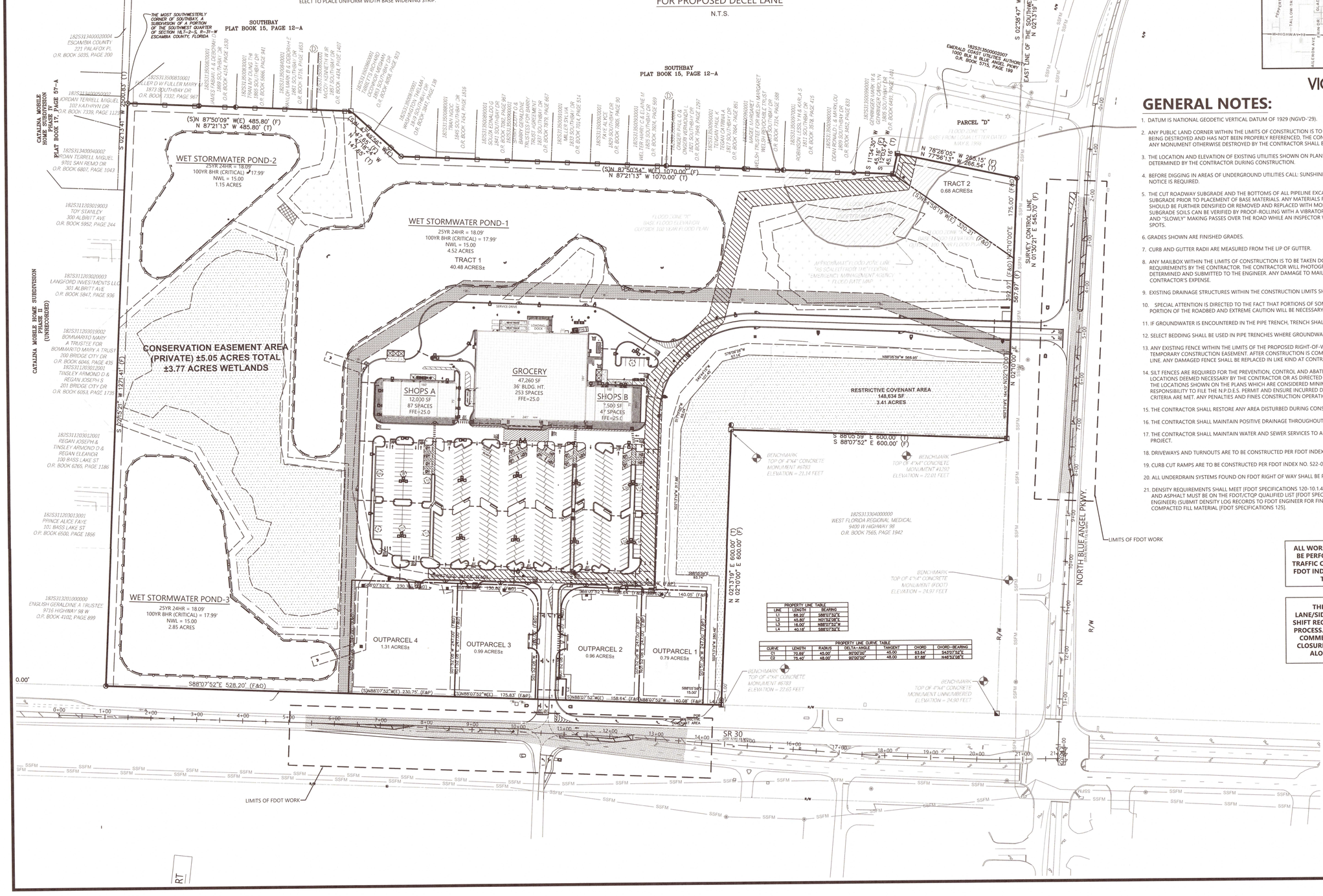
1. DRIVEWAY CONNECTIONS SEE STANDARD INDEX NO. 330-001 OR AS SHOWN IN THE PLANS.
2. CONTRACTOR SHALL CONSTRUCT VARIABLE BACK SLOPES IN ACCORDANCE WITH THE SLOPES SHOWN ON THE ROADWAY CROSS SECTIONS.
3. THE LIMITS OF SODDING INDICATED IN THE TYPICAL SECTIONS ARE APPROXIMATE SODDING LIMITS WILL BE ADJUSTED AS NECESSARY AS FOR STABILIZING AT INTERSECTIONS, TURNOUTS, AND GRADED CONNECTIONS AS DIRECTED BY THE ENGINEER TO PROVIDE FOR CONTINUITY OF CONSTRUCTION OR TO SUIT THE ACTUAL FIELD CONDITIONS.
4. ALL SOD SHALL BE TURF GRADE BERMUDA SOD.
5. ALL DISTURBED AREAS SHALL BE SODDED. DISTURBED AREAS HAVING A 3-1 SLOPE OR GREATER SHALL BE LAPPED, PINNED, AND SHALL HAVE STAGGERED JOINTS.
6. THE SOD IN DITCH BOTTOMS SHALL BE PINNED AS DIRECTED BY THE ENGINEER.
7. ALL STRIPING ON FDOT RIGHT OF WAY TO BE THERMOPLASTIC.
8. (ON WIDENING PROJECTS):
   ACTUAL WIDTH OF BASE WIDENING MAY VARY DUE TO ACTUAL EXISTING PAVEMENT WIDTH. CONTRACTOR MAY ELECT TO PLACE UNIFORM WIDTH BASE WIDENING STRIP.



NOTE: CONTRACTOR TO PRIME THE BASE MATERIAL AND TACK BETWEEN EACH LIFT

TYPICAL PAVEMENT SECTION WITHIN
F.D.O.T. RIGHT-OF-WAY
FOR PROPOSED DECEL LANE

N.T.S.


THE NORTHEAST CORNER OF THE SOUTHWEST QUARTER OF SECTION 18...
THE MOST SOUTHWESTERLY CORNER OF SOUTHBAY, A SUBDIVISION OF A PORTION OF THE SOUTHWEST QUARTER OF SECTION 18,T--2--S, R--31--W ESCAMBIA COUNTY, FLORIDA
SOUTHBAY PLAT BOOK 15, PAGE 12--A
CATALINA MOBILE HOME SUBDIVISION PHASE IV PLAT BOOK 17, PAGE 57--A
CATALINA MOBILE HOME SUBDIVISION PHASE II (UNRECORDED)
EMERALD COAST UTILITIES AUTHORITY 1000 BLK N BLUE ANGEL PKWY O.R. BOOK 5715, PAGE 199
EAST LINE OF THE SOUTHWEST QUARTER OF SECTION 18...
S 02°24'03" E 1234.12' (T)
S 02°12'28" W 1234.12' (F)
S 02°38'47" W 1362.98' (T)
N 02°13'19" E 1911.59' (T)
(S)N 87°50'09" W(E) 485.80' (F)
N 87°21'13" W 485.80' (T)
(S)N 87°50'54" W(E) 1070.00' (F)
N 87°21'13" W 1070.00' (T)
S 01°34'30" W 45.03' (F)
S 01°20'54" W 45.18' (T)
N 76°26'05" W 265.15' (F)
N 77°36'13" W 266.54' (T)
(S)N 43°58'16" W(E) 320.21' (F&D)
S 02°10'00" E 175.00' (F&D)
391.97' (F&D)
387.97' (T)
N 01°30'21" E 545.70' (F)
WET STORMWATER POND-2
25YR 24HR = 18.09'
100YR 8HR (CRITICAL) = 17.99'
NWL = 15.00
1.15 ACRES
WET STORMWATER POND-1
25YR 24HR = 18.09'
100YR 8HR (CRITICAL) = 17.99'
NWL = 15.00
4.52 ACRES
TRACT 1
40.48 ACRES±
TRACT 2
0.68 ACRES±
PARCEL "D"
FLOOD ZONE "X" BASE FLOOD ELEVATION DETERMINED MAY 5, 1988
FLOOD ZONE "X" BASE FLOOD ELEVATION DETERMINED MAY 5, 1988
APPROXIMATE FLOOD ZONE LINE "AS SCALED FROM THE OFFICIAL "EMERGENCY MANAGEMENT AGENCY" -- FLOOD RATE MAP
CONSERVATION EASEMENT AREA (PRIVATE) ±5.05 ACRES TOTAL ±3.77 ACRES WETLANDS
GROCERY
47,260 SF
36' BLDG. HT.
253 SPACES
FFE=25.0
SHOPS A
12,000 SF
87 SPACES
FFE=25.0
SHOPS B
7,500 SF
47 SPACES
FFE=25.0
RESTRICTIVE COVENANT AREA
148,534 SF
3.41 ACRES
S 88°05'59" E 600.00' (T)
S 88°07'52" E 600.00' (F)
N 02°13'19" E 600.00' (T)
N 02°10'00" E 600.00' (F)
WET STORMWATER POND-3
25YR 24HR = 18.09'
100YR 8HR (CRITICAL) = 17.99'
NWL = 15.00
2.85 ACRES
OUTPARCEL 4
1.31 ACRES±
OUTPARCEL 3
0.99 ACRES±
OUTPARCEL 2
0.96 ACRES±
OUTPARCEL 1
0.79 ACRES±
S88°07'52"E 528.20' (F&D)
(S)N88°07'52"W(E) 230.75' (F&P)
(S)N88°07'52"W(E) 175.83' (F&P)
(S)N88°07'52"W(E) 158.64' (F&P)
N88°07'52"W 140.08' (F&P)
S88°05'59"E 15.00'
POB CONSTRUCTION EASEMENT AREA
N88°05'59"W 568.95'
S88°05'59"E 571.47'
BENCHMARK TOP OF 4"X4" CONCRETE MONUMENT #6783 ELEVATION = 21.14 FEET.
BENCHMARK TOP OF 4"X4" CONCRETE MONUMENT #1292 ELEVATION = 22.01 FEET
BENCHMARK TOP OF 4"X4" CONCRETE MONUMENT #6783 ELEVATION = 22.65 FEET
BENCHMARK TOP OF 4"X4" CONCRETE MONUMENT UNNUMBERED ELEVATION = 24.90 FEET
BENCHMARK TOP OF 4"X4" CONCRETE MONUMENT (FOUND) ELEVATION = 24.97 FEET
LIMITS OF FDOT WORK
SR 30
NORTH BLUE ANGEL PKWY
R/W
SSFM
0.00'
6+00
1+00
2+00
3+00
4+00
5+00
7+00
8+00
9+00
10+00
11+00
12+00
13+00
14+00
15+00
16+00
17+00
18+00
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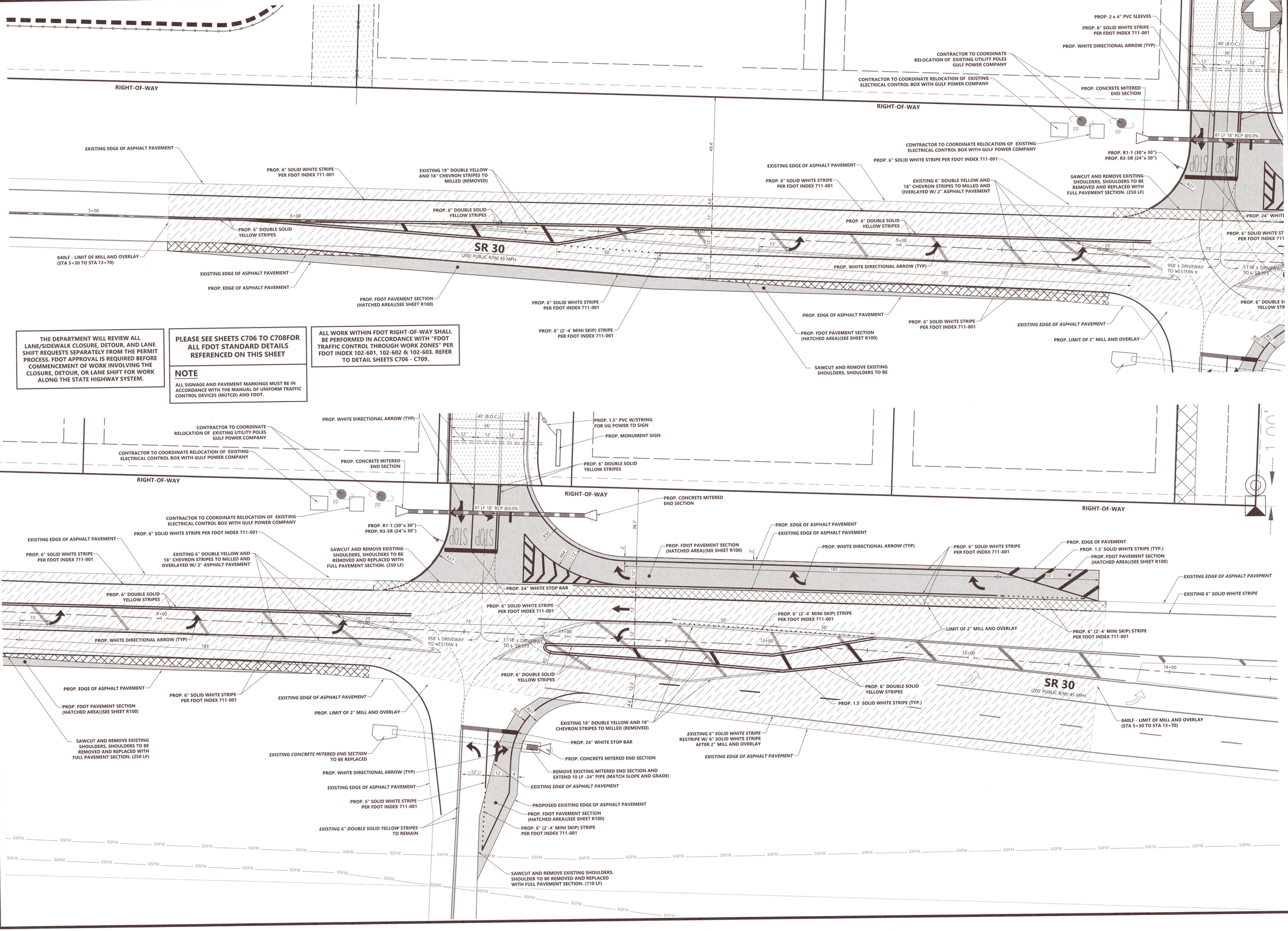
39+00



THE DEPARTMENT WILL REVIEW ALL LANE/SIDEWALK CLOSURE, DETOUR, AND LANE SHIFT REQUESTS SEPARATELY FROM THE PERMIT PROCESS. FDOT APPROVAL IS REQUIRED BEFORE COMMENCEMENT OF WORK INVOLVING THE CLOSURE, DETOUR, OR LANE SHIFT FOR WORK ALONG THE STATE HIGHWAY SYSTEM.

PLEASE SEE SHEETS C706 TO C708FOR ALL FDOT STANDARD DETAILS REFERENCED ON THIS SHEET

NOTE

ALL SIGNAGE AND PAVEMENT MARKINGS MUST BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND FDOT.

ALL WORK WITHIN FDOT RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH "FDOT TRAFFIC CONTROL THROUGH WORK ZONES" PER FDOT INDEX 102-601, 102-602 & 102-603. REFER TO DETAIL SHEETS C706 - C709.

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COA# PEF005804

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9500 W HIGHWAY 98
18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
FDOT US HWY 98 (SR30) SITE PLAN

DATE
10-26-2021
01-26-2022
03-02-2022
03-30-2022
04-29-2022

REVISIONS

JAMES A. LOWE LICENSE No 0044729 STATE OF FLORIDA PROFESSIONAL ENGINEER

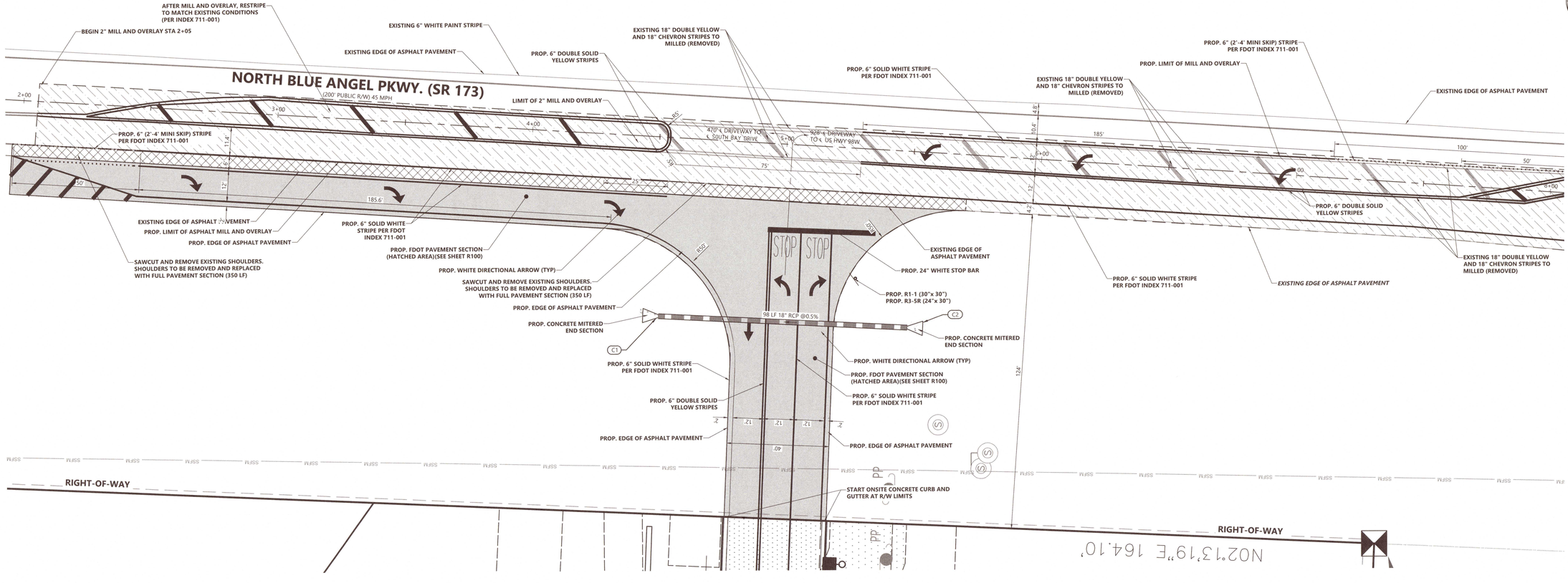
SCALE: 1"=20'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. R200

CAD FILE: 20001743-R200 FDOT PLANS

NOT ISSUED FOR CONSTRUCTION

FILE NAME: K:\20001743 Pensacola Grocery - Blue Angel Pkwy\Design\SHA\04 PRODUCTION\20001743-R200 FDOT PLANS.dwg LAST SAVED BY: hwright 2/24/2022 8:29 AM PLOTTED BY: mark.wright 4/29/2022 PAPER: ARCH D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF 2020.PC3 PLOT STYLE: ATWELL.CTB



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NOTE

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COA # EB26305A

SEC 18, TSP 2S, RNG 31W
9500 W HIGHWAY 98
18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
FDOT SR173 SITE PLAN

DATE
10-26-2021
01-26-2022
03-02-2022
03-30-2022
04-29-2022

REVISIONS

JAMES A. LOWE LICENSE No 0044729 STATE OF FLORIDA PROFESSIONAL ENGINEER

0 10' 20'
SCALE: 1"=20'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. R201

CAD FILE: 20001743-R200 FDOT PLANS

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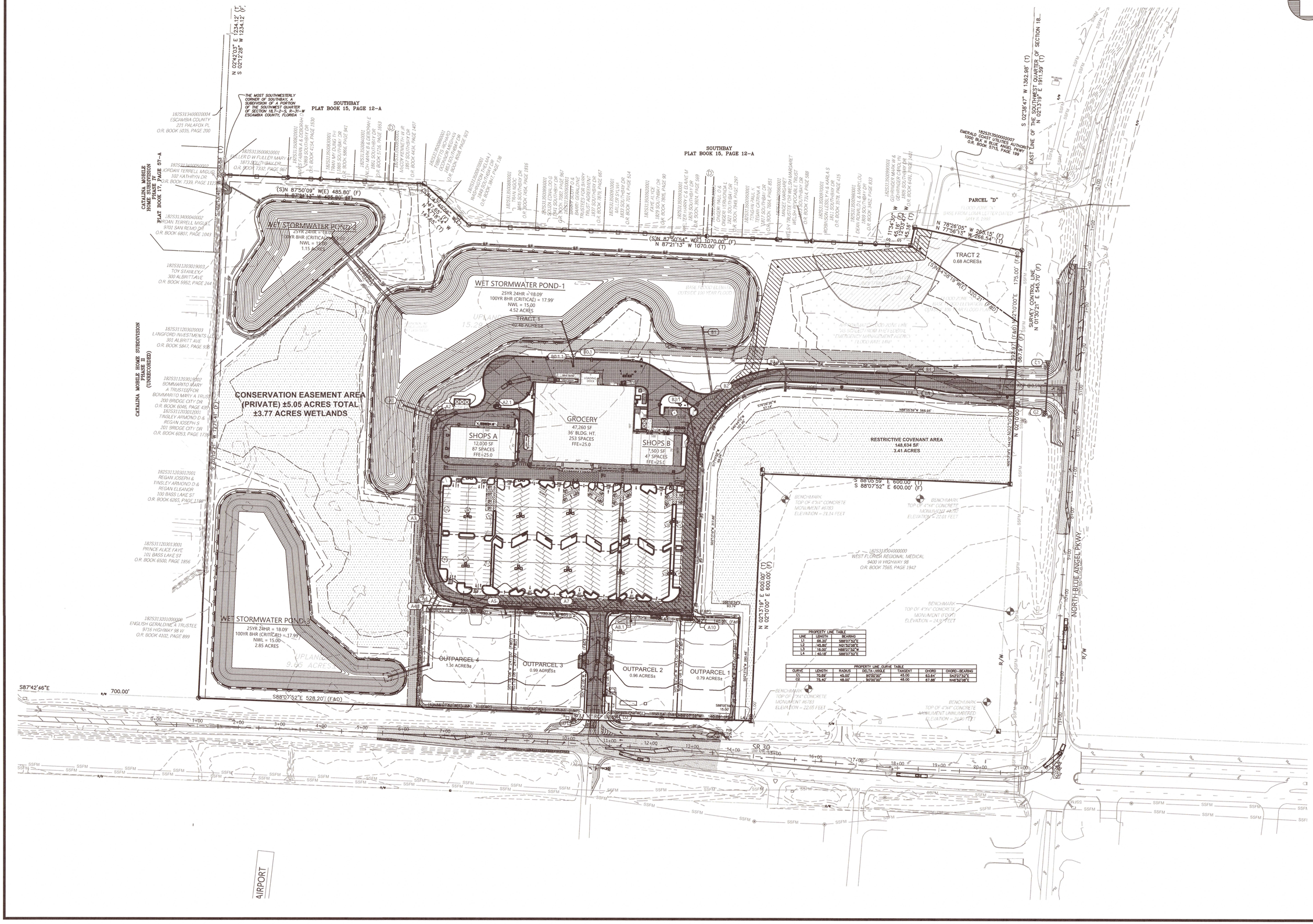
FILE NAME: V:\20001743 Pensacola Grocery - Blue Angel Pkwy\Design\Site\04 PRODUCTION\20001743-R200 FDOT PLANS.dwg LAST SAVED BY: hwright 2/24/2022 8:29 AM PLOTTED BY: Hank Wright 4/29/2022 PAPER: ARCH D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF 3DDWGPC3 PLOT STYLE: ATWELL.CTB


THE MOST SOUTHWESTERLY CORNER OF SOUTHBAY, A SUBDIVISION OF A PORTION OF THE SOUTHWEST QUARTER OF SECTION 18,T-2-S, R-31-W ESCAMBIA COUNTY, FLORIDA
SOUTHBAY PLAT BOOK 15, PAGE 12-A
CATALINA MOBILE HOME SUBDIVISION PHASE I PLAT BOOK 17, PAGE 57-A
CATALINA MOBILE HOME SUBDIVISION PHASE II (UNRECORDED)
N 02°47'03" E 1234.12' (F)
S 02°12'28" W 1234.12' (T)
(S)N 87°50'09" W(E) 485.80' (F)
N 87°21'13" W 485.80' (T)
(S)N 87°50'54" W(E) 1070.00' (F)
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S 02°38'47" W 1362.98' (T)
N 02°13'19" E 1911.59' (T)
EAST LINE OF THE SOUTHWEST QUARTER OF SECTION 18...
EMERALD COAST UTILITIES AUTHORITY O.R. Bk. N BLUE ANGEL PKWY O.R. Book 5715, PAGE 189
PARCEL "D"
TRACT 2
0.68 ACRES±
WET STORMWATER POND-1
25YR 24HR = 18.09'
100YR BHR (CRITICAL) = 17.99'
NWL = 15.00
4.52 ACRES
TRACT 1
0.46 ACRES±
WET STORMWATER POND-2
25YR 24HR = 18.09'
100YR BHR (CRITICAL) = 17.99'
NWL = 15.00
1.15 ACRES
WET STORMWATER POND-3
25YR 24HR = 18.09'
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NWL = 15.00
2.85 ACRES
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OUTPARCEL 1
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OUTPARCEL 3
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OUTPARCEL 4
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RESTRICTIVE COVENANT AREA
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3.41 ACRES
SURVEY CONTROL LINE
N 01°30'21" E 545.70' (F)
S 88°07'52" E 600.00' (F)
N 02°13'19" E 600.00' (T)
N 02°10'00" E 600.00' (F)
S88°07'52"E 528.20' (F&D)
S87°42'46"E 700.00'
SR 30
NORTH BLUE ANGEL PKWY
AIRPORT
PROPERTY LINE TABLE
LINE | LENGTH | BEARING
L1 | 66.20' | S88°07'52"E
L2 | 145.80' | N01°52'08"E
L3 | 16.00' | N88°07'52"W
L4 | 40.18' | S88°07'52"E
PROPERTY LINE CURVE TABLE
CURVE | LENGTH | RADIUS | DELTA--ANGLE | TANGENT | CHORD | CHORD--BEARING
C1 | 70.69' | 45.00' | 90°00'00" | 45.00 | 63.64' | S43°07'52"E
C2 | 75.40' | 48.00' | 90°00'00" | 48.00 | 67.88' | N46°52'08"E
BENCHMARK TOP OF 4"X4" CONCRETE MONUMENT #6783 ELEVATION = 21.14 FEET
BENCHMARK TOP OF 4"X4" CONCRETE MONUMENT #6782 ELEVATION = 22.01 FEET
BENCHMARK TOP OF 4"X4" CONCRETE MONUMENT #6781 ELEVATION = 24.01 FEET
BENCHMARK TOP OF 4"X4" CONCRETE MONUMENT #6783 ELEVATION = 22.65 FEET
BENCHMARK TOP OF 4"X4" CONCRETE MONUMENT UNNUMBERED ELEVATION = 24.80 FEET
18253120301000001 ENGLISH GERALDINE A TRUSTEE 9716 HIGHWAY 98 W O.R. BOOK 4102, PAGE 899
18253120301200001 REGAN JOSEPH & TINSLEY ARMOND D & REGAN ELEANOR 100 BASS LAKE ST. O.R. BOOK 6265, PAGE 1186
18253120301300001 PRINCE ALICE FAYE 101 BASS LAKE ST O.R. BOOK 6500, PAGE 1856
18253120301900001 TOY STANLEY 300 ALBRITT AVE O.R. BOOK 5952, PAGE 244
18253120302000003 LANGFORD INVESTMENTS LLC 301 ALBRITT AVE O.R. BOOK 5847, PAGE 936
18253120301900002 BOMMARITO MARY A TRUSTEE/FOR BOMMARITO MARY A TRUST 200 BRIDGE CITY DR O.R. BOOK 6046, PAGE 435
18253120301201001 TINSLEY ARMOND D & REGAN JOSEPH S 201 BRIDGE CITY DR O.R. BOOK 6053, PAGE 1784
18253134000040002 JORDAN TERRELL MIGUEL 9701 SAN REMO DR O.R. BOOK 6807, PAGE 1043
18253134000040001 JORDAN TERRELL MIGUEL 107 KATHRYN DR O.R. BOOK 7339, PAGE 1121
18253135000810001 FULLER D W FULLER MARY A 1873 SOUTHBAY DR O.R. BOOK 7310, PAGE 967
18253135000810000 FULLER MARY ANN TRUSTEE 1880 MT ZION TH O.R. BOOK 5866, PAGE 941
18253135000830001 HALL LARRY D & DEBORAH L 1869 SOUTHBAY DR O.R. BOOK 4104, PAGE 1530
18253135000840001 WELCH MARK R & DEBORAH E 1865 SOUTHBAY DR O.R. BOOK 5716, PAGE 1653
18253135000850001 MOODY KENNETH W JR 1857 SOUTHBAY DR O.R. BOOK 7404, PAGE 1401
18253135000860001 WASHINGTON CHESTER J 1853 SOUTHBAY DR O.R. BOOK 3847, PAGE 138
18253135000870001 TRAN NGOC 1845 SOUTHBAY DR O.R. BOOK 7454, PAGE 1816
18253135000880001 SOUZA EDWARD G 1841 SOUTHBAY DR O.R. BOOK 3847, PAGE 1867
18253135000890001 BARRY SCOTT O & TRUSTEES FOR BARRY TRUST AGREEMENT 1833 SOUTHBAY DR O.R. BOOK 7815, PAGE 667
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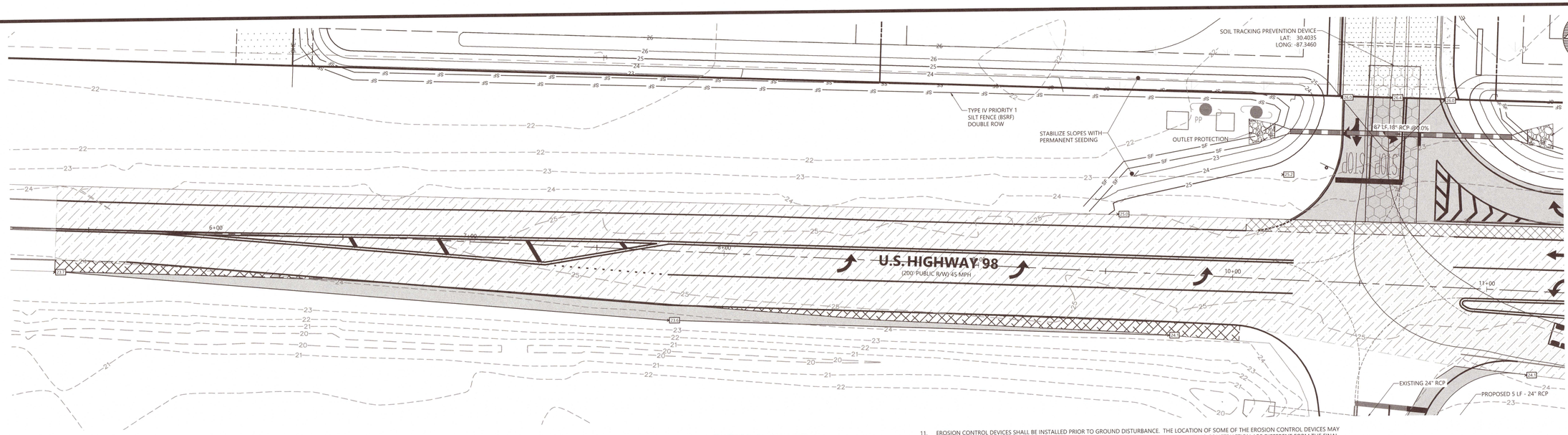

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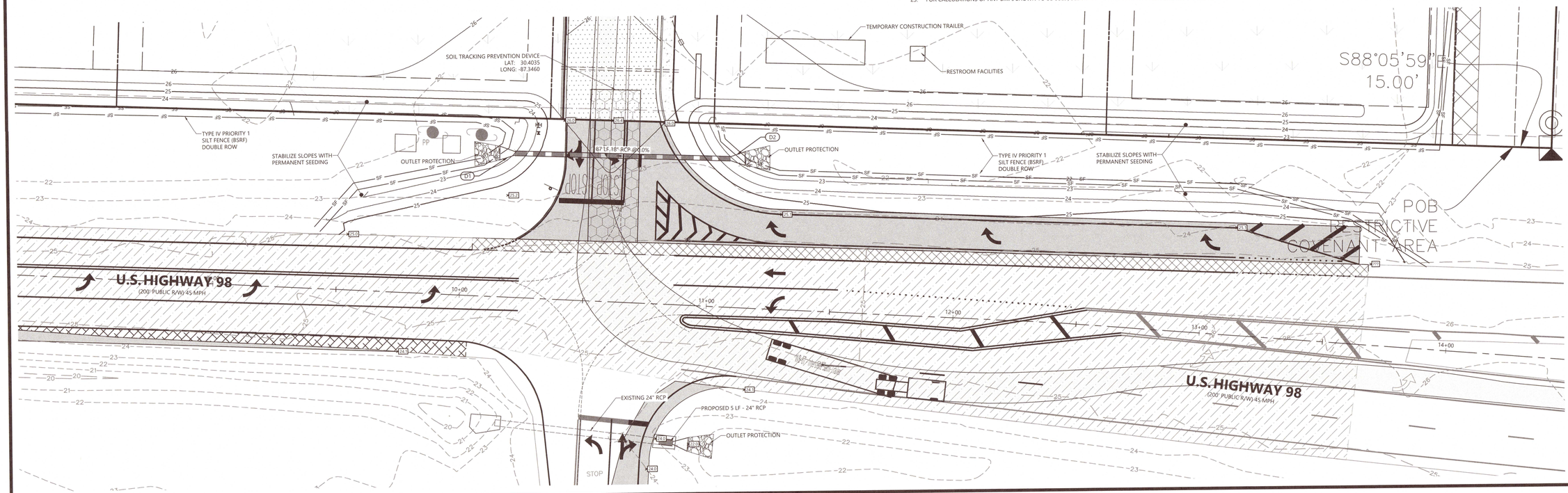

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30067
COA# PEF005504

SEC 18, TSP 2S, RNG 31W
9500 W HIGHWAY 98
18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
FDOT US HWY 98 (SR 30) GRADING PLAN

DATE 10-26-2021

01-26-2022
03-02-2022
03-30-2022
04-29-2022
REVISIONS

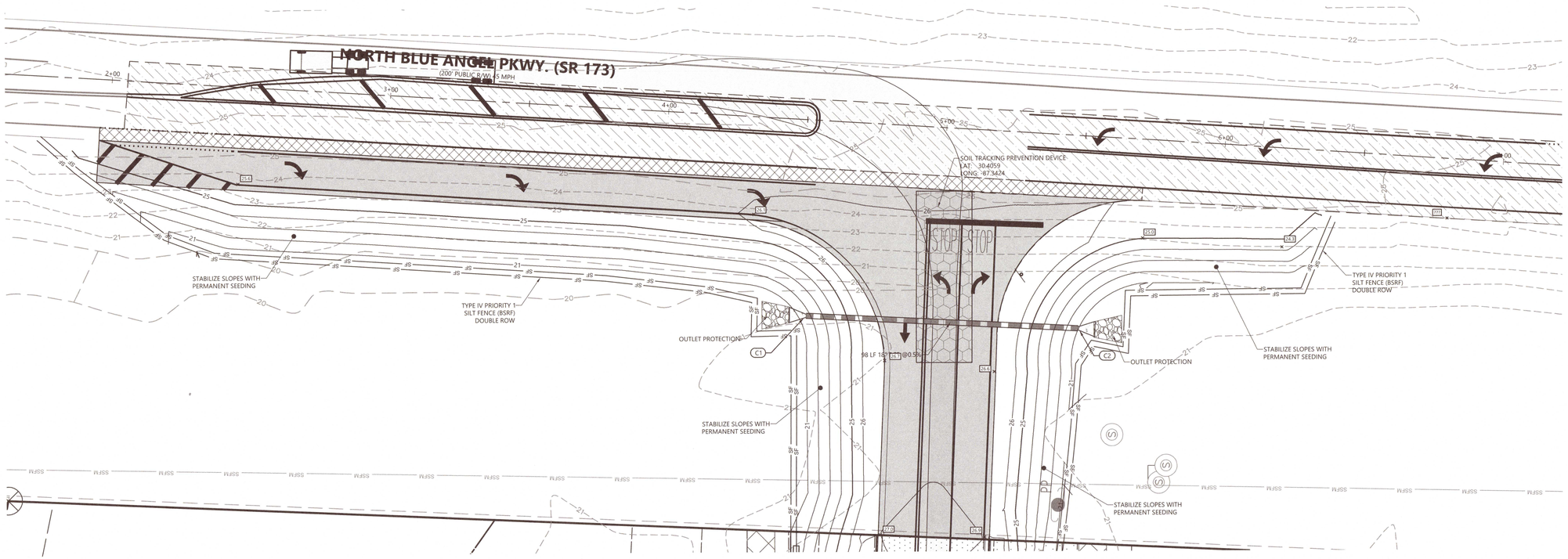
JAMES A. LOWE LICENSE No 0044729 STATE OF FLORIDA PROFESSIONAL ENGINEER

0 10' 20'
SCALE: 1"=20'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. R301

CAD FILE: 20001743-R300 FDOT GRADING
NOT-ISSUED-FOR-CONSTRUCTION

FILE NAME: K:\20001743 Pensacola Grocery - Blue Angel Pkwy\Design\SHK\04 PRODUCTION\20001743-R300 FDOT GRADING.dwg LAST SAVED BY: hwright 7/21/2022 9:21 AM PLOTTED BY: mark.Wright 4/29/2022 PAPER: ARCH D (24.00 X 36.00 INCHES) 3D/VCS: DWG TO PDF 2020 PCPLOTS PLOT STYLE: ATWELL.ctb



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MARIETTA, GA
770.423.0800
COA # EB26934A

SEC 18, TSP 2S, RNG 31W
9500 W HIGHWAY 98
18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
FDOT SR173 GRADING PLAN

DATE 10-26-2021

01-26-2022
03-02-2022
03-30-2022
04-29-2022
REVISIONS

JAMES A. LOWE
LICENSE
No 0044729
STATE OF FLORIDA
PROFESSIONAL ENGINEER

0 10' 20'
SCALE: 1" = 20'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. R302

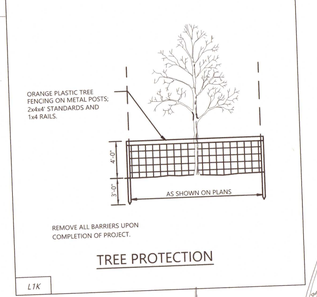
CAD FILE: 20001743-R300 FDOT GRADING

NOT ISSUED-FOR-CONSTRUCTION

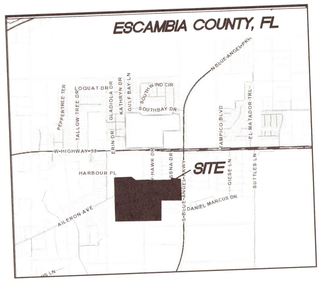
FILE NAME: K:\20001743 Panasonic Grocery - Blue Angel Plaza\Design\Civil\24 PRODUCTION\20001743-R300 FDOT GRADING.dwg LAST SAVED BY: hwright 2/21/2022 9:2 AM PLOTTED BY: Hank Wright 4/29/2022 PAPER: ARCH D (24.00 X 36.00 INCHES) STYLES: DWG TO PDF 300DPI.PCS PLOT STYLE: ATWELL.CTB

SITE NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PLANS AND SITE WORK SPECIFICATIONS AND SHALL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL CODES.
2. SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS, TRUCK WELLS, SIDEWALKS, STEPS, TRANSFORMER PADS, ETC.
3. TOPOGRAPHIC BOUNDARY SURVEY, PROPERTY LINES, LEGAL DESCRIPTION, EXISTING UTILITIES, SITE TOPOGRAPHY WITH SPOT ELEVATIONS, OUTSTANDING PHYSICAL FEATURES AND EXISTING STRUCTURE LOCATIONS WAS PROVIDED BY THE FOLLOWING COMPANY: ATWELL, LLC DATED 5/10/2019
4. ALL DIMENSIONS AND RADII ARE TO THE FACE OF CURB, UNLESS OTHERWISE NOTED. ALL DIMENSIONS SHOWN TO BUILDINGS ARE TO OUTSIDE FACE OF BUILDING.
5. CONCRETE TRUCK DOCKS ARE BY THE BUILDING CONTRACTOR.
6. ALL HANDICAP ACCESSIBLE PARKING SIGNS AND STRIPING SHALL BE IN ACCORDANCE WITH THE AMERICAN WITH DISABILITY ACT (ADA) REQUIREMENTS AND STATE CODE.
7. ALL TRAFFIC SIGNS SHALL CONFORM TO THE UNIFORM TRAFFIC CONTROL MANUAL AND THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION.
8. ALL STRIPED OR CURBED RADII SHALL BE 5' UNLESS OTHERWISE NOTED.
9. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY DAMAGE TO ANY EXISTING IMPROVEMENTS, ONSITE OR OFF SITE, SUCH AS PAVEMENT, UTILITIES, STORM DRAINAGE, ETC. THE REPAIR MUST BE APPROVED BY THE ENGINEER AND BE EQUAL OR BETTER THAN EXISTING CONDITIONS.
10. SITE LIGHTING SHALL BE INCLUDED IN THE SITE CONTRACTOR'S SCOPE OF WORK. ALL PARKING LOT LIGHTING POLES, BASES AND FIXTURES WITH LAMPS SHALL BE INSTALLED BY THE SITE CONTRACTOR'S ELECTRICAL CONTRACTOR AND SHALL SUPPLY A ONE YEAR WARRANTY CERTIFICATE.
11. CONTRACTOR SHALL OBTAIN ALL PERMITS BEFORE CONSTRUCTION BEGINS.
12. SITE CONTRACTOR SHALL SUPPLY AS-BUILT PLANS INDICATING ALL CHANGES AND DEVIATIONS.
13. TRANSFORMER AND DUMPSTER PADS AS WELL AS ALL UTILITY CONDUITS.
14. ALL PAVEMENT MARKINGS SHALL BE INSTALLED WITH SLIP RESISTANT PAINT. ALL CONCRETE, UNLESS OTHERWISE NOTED, SHALL BE 3,000 PSI 28 DAY COMPRESSIVE STRENGTH.
16. PROJECT SIGNAGE SHALL BE THE RESPONSIBILITY OF THE SITE CONTRACTOR.
17. ALL CURB AND GUTTER WITHIN THE DEVELOPMENT SHALL BE 18" AND WITH IN RIGHT-OF-WAY SHALL BE 30" UNLESS NOTED OTHERWISE.
18. PARKING LOT STRIPING SHALL BE INCLUDED IN PAVING CONTRACTOR'S SCOPE OF WORK. STRIPING WILL BE ACCORDING TO OWNER'S SPECIFICATIONS UNLESS NOTED OTHERWISE. ALL STRIPING IS TO HAVE TWO (2) COATS OF SLIP RESISTANT PAINT (MIN).
19. LIGHT POLE BASES SHALL BE PAINTED TRAFFIC YELLOW PER SITE WORK SPECIFICATIONS WHEN LOCATED IN ASPHALT.
20. THE CONTRACTOR IS RESPONSIBLE FOR AVOIDING ALL WETLANDS AREAS AS ILLUSTRATED IN THE WETLANDS DELINEATION PACKAGE.
21. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL OFF-SITE EASEMENTS NOT DELINEATED ON PLANS OR KNOWN OF AT TIME OF PLAN ISSUANCE.
22. THE SITE OWNER/DEVELOPER IS RESPONSIBLE FOR PROVIDING ALL WORK AND APPURTENANCE TO WITHIN 5' OF THE BUILDING. THIS INCLUDES TRANSFORMER AND DUMPSTER PADS AS WELL AS ALL UTILITY CONDUITS.
23. ALL PAVEMENT MARKINGS SHALL BE INSTALLED WITH SLIP RESISTANT PAINT.



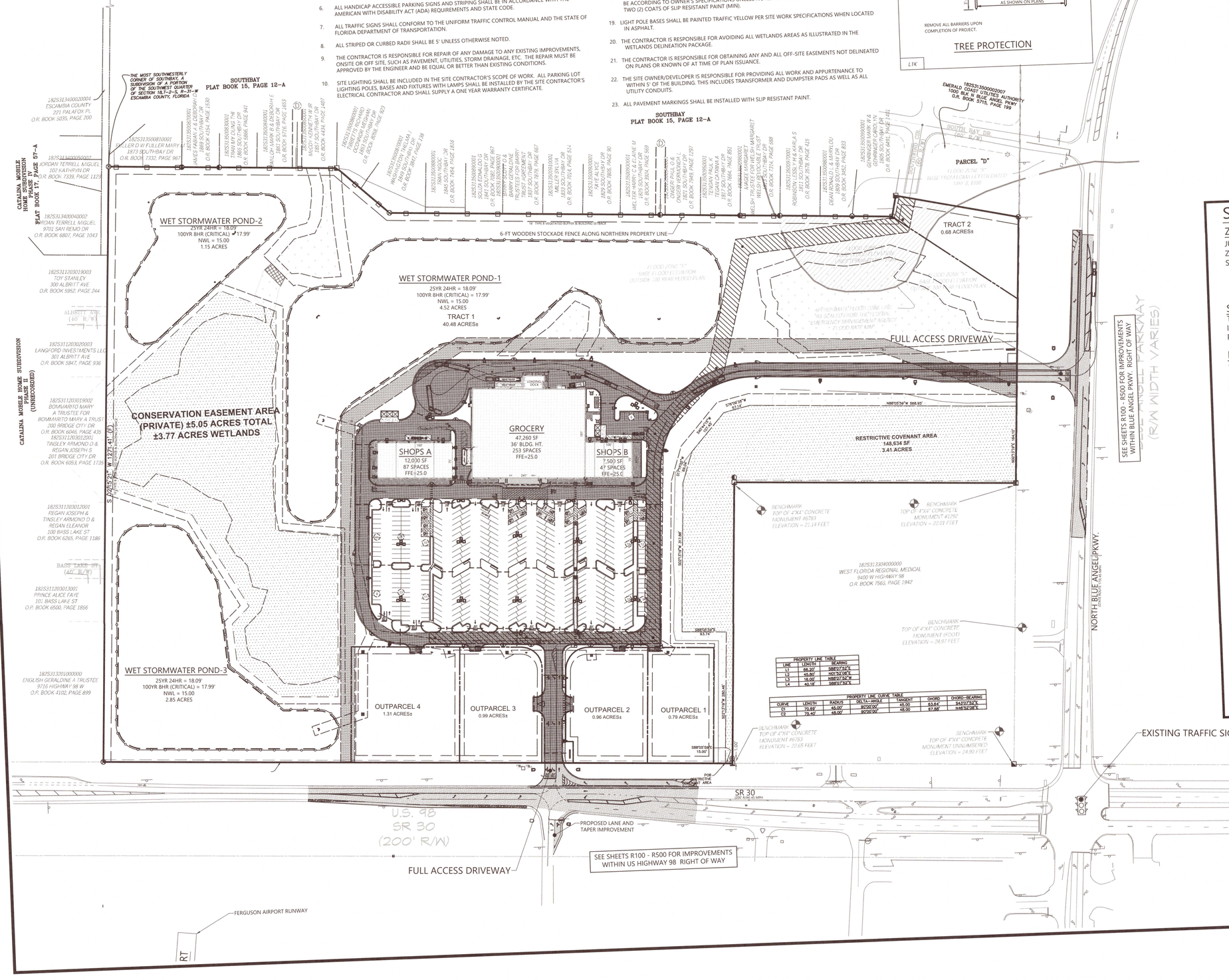
TREE PROTECTION



VICINITY MAP

GENERATOR SITING NOTE

GENERATOR TANK SHALL NOT BE LOCATED WITHIN 100' OF A RESIDENTIAL WELL SOURCE OR WITHIN 500' OF A MUNICIPAL WELL SOURCE.



SITE SUMMARY TABLE:

ZONING

JURISDICTION: ESCAMBIA COUNTY, FL
ZONED: COMMERCIAL
SETBACKS:
FRONT - 15'
SIDE - 10'
REAR - 15'
ZONING BUFFER - 15' MIN.

SITE AREA

TOTAL SITE AREA:	45.21 ACRES OR 1,969,166 SF
IMPERVIOUS AREA:	8.92 ACRES OR 388,197 SF
PERVIOUS AREA:	36.29 ACRES OR 1,580,969 SF

BUILDING

GROCERY:	46,791 SF
SHOPS A:	12,000 SF
SHOPS B:	7,500 SF
TOTAL BUILDING AREA:	66,291 SF

PARKING

REQUIRED: BUILDING AREA x 3 SPACES/1000

GROCERY 46,791 SF X 3 SPACES/1000 SF	140 SPACES (INCLUDING 9 ADA)
SHOPS A 12,000 SF X 3 SPACES/1000 SF	36 SPACES (INCLUDING 4 ADA)
SHOPS B 7,500 SF X 3 SPACES/1000 SF	23 SPACES (INCLUDING 4 ADA
TOTAL REQUIRED	199 SPACES

PROVIDED:	
GROCERY	253 SPACES (1/187 SF)
SHOPS A PARKING PROVIDED	87 SPACES (1/137 SF)
SHOPS B PARKING PROVIDED	47 SPACES (1/174 SF)
TOTAL PARKING PROVIDED	387 SPACES

LOT AREA

TOTAL SITE AREA:	45.21 ACRES
SHOPPING CENTER TRACT 1 TOTAL AREA:	40.48 ACRES
OUTPARCEL 1 TOTAL AREA:	0.79 ACRES
OUTPARCEL 2 TOTAL AREA:	0.97 ACRES
OUTPARCEL 3 TOTAL AREA:	0.99 ACRES
OUTPARCEL 4 TOTAL AREA:	1.31 ACRES
FUTURE ECUA PROPERTY TRACT 2 TOTAL AREA:	0.68 ACRES

HATCH LEGEND

- CONCRETE
- FDOT ASPHALT
- FDOT MILL AND OVERLAY ASPHALT
- LIGHT DUTY ASPHALT
- HEAVY DUTY ASPHALT
- ADA CONCRETE PARKING
- TRUNCATED DOMES
- INLAID GRAVEL ADA RAMP

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SEC 18, TSP 25, RNG 31W
9500 W HIGHWAY 98
18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
OVERALL SITE PLAN

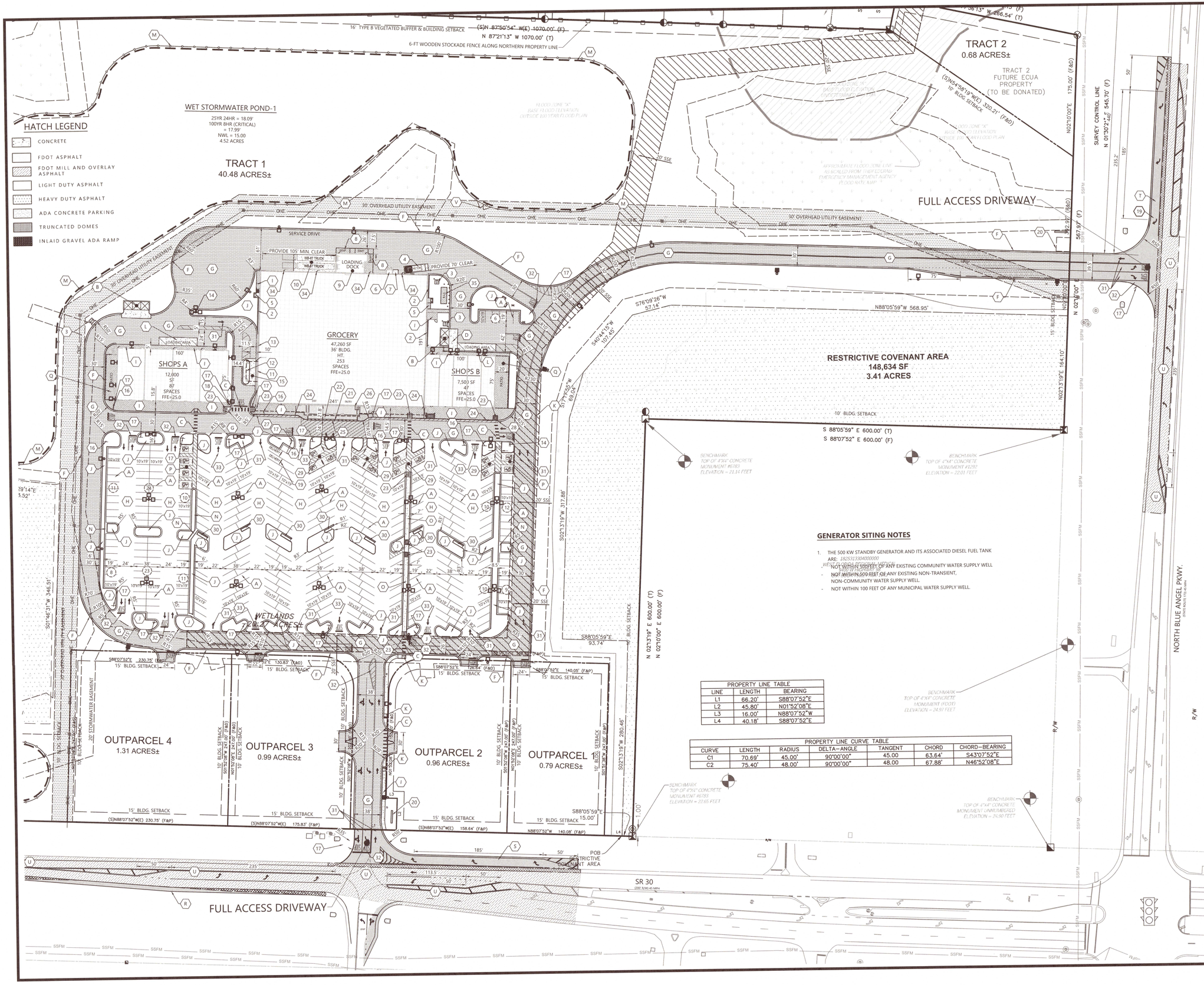
DATE
10-26-2021
01-26-2022
03-02-2022
03-30-2022
04-29-2022
REVISIONS

0 50' 100'
SCALE: 1" = 100'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C200

CAD FILE: 20001743-C200 SITE PLAN-B
NOT ISSUED FOR CONSTRUCTION

FILE NAME: K:\20001743 Pensacola Grocery - Blue Angel Pkwy\Design\SLDPLAN PRODUCTION\20001743-C200 SITE PLAN-B.dwg LAST SAVED BY: bwright 4/29/2022 9:58 AM PLOTTED BY: bwright 4/29/2022 9:58 AM PLOTTED AT: 1=1.00 X 36.00 INCH(ES) SERVICE: DWG TO PDF 20001743-C200 SITE PLAN-B.pdf



KEY NOTES

1. EMERGENCY GENERATOR.
2. 2' WIDE X 4" DEPTH GRAVEL STRIP ADJACENT TO BUILDING. PROVIDE METAL EDGING BETWEEN LANDSCAPE AREA GRAVEL.
3. 8' X 8' CONCRETE TRANSFORMER PAD WITH BOLLARDS.
4. TRASH COMPACTOR WITH CANOPY MIN. 1' BELOW FFE AND 0.5' ABOVE GRADE.
5. RAISED LANDING AREA WITH HANDRAILS AND STEPS AT DOOR ENTRANCE.
6. RISER ROOM
7. 6' X 8' GREASE BARREL CONCRETE PAD.
8. RAMP TO LOADING DOCK. SEE ELEVATIONS ON SHEET C301.
9. TRUCK DOCK 4' ABOVE FINISHED GRADE. SEE ARCHITECTURAL DRAWINGS FOR DETAIL.
10. 60' X 27'-8" CONCRETE TRUCK PAD.
11. PHARMACY DRIVE THRU WINDOW.
12. PHARMACY DRIVE THRU OVERHANG.
13. CONCRETE HEADER CURB 1' WIDTH ADJACENT TO DRIVE THRU WINDOW. SEE DETAIL SHEET C705.
14. DOUBLE SIDED PHARMACY DRIVE THRU DIRECTIONAL SIGNS. SEE DETAIL SHEET C705.
15. PHARMACY CONCRETE DRIVE THRU LANE.
16. PHARMACY DRIVE THRU SIGN.
17. STOP SIGN "R1-1". SEE DETAIL SHEET C700.
18. "DO NOT ENTER SIGN".
19. PROPOSED CURBSIDE PICK-UP SIGNAGE.
20. PROPOSED SHOPPING CENTER SIGN (BY SEPARATE PERMIT)
21. REFER TO ARCHITECTURAL PLANS FOR LOCATION OF BOLLARDS AT GROCERY ENTRANCE. FOR ALL OTHER BOLLARDS SEE DETAIL SHEET C705.
22. ENTRANCE CANOPY. SEE DETAIL SHEET C704.
23. PROPOSED ADA RAMP WITH EXPOSED AGGREGATE AND HANDRAIL. SEE DETAIL SHEET C203.
24. PROPOSED 6" CONCRETE HEADER CURB (FIRE LANE AT FRONT OF STORE). SEE DETAIL SHEET C700.
25. CONCRETE SIDEWALK FLUSH WITH ASPHALT PAVEMENT AT ENTRANCE TO BUILDING. SEE DETAIL SHEET C704.
26. PROPOSED 5' X 5' FLAT AREA IN FRONT OF ATM.
27. BEGIN YELLOW PAINTED HEADER CURB AT FRONT OF BUILDING (FIRE LANE).
28. END YELLOW PAINTED HEADER CURB AT FRONT OF BUILDINGS (FIRE LANE).
29. ADA CONCRETE PAVEMENT, 60° ANGLED PARKING SIGNAGE AND STRIPING. SEE DETAIL SHEET C201.
30. TYPICAL CART CORRAL WITH LANDSCAPE ISLAND USING HEADER CURB. SEE DETAIL SHEET C705.
31. DIRECTIONAL PAVEMENT ARROWS SLIP RESISTANT PAINT.
32. 24" WHITE PAINTED STOP BAR WITH WHITE PAINTED "STOP" LETTERS, DOUBLE YELLOW LANE STRIPES AND DIRECTIONAL PAVEMENT ARROW (S). SEE DETAIL SHEET C700.
33. 24" WHITE PAINTED STOP BAR WITH WHITE PAINTED "STOP" LETTERS. SEE DETAIL SHEET C700.
34. DOWNSPOUTS FROM BUILDING. SEE DETAIL SHEET C703.
35. BAG GENERATOR WITH FUEL TANKS.
- A. WHITE PAINTED PARKING STRIPES. SEE DETAIL SHEET C700.
- B. DUMPSTER ENCLOSURE WITH 12' X 20' CONCRETE PAD - SEE ARCHITECTURAL PLANS FOR DETAILS.
- C. ADA CROSSWALK STRIPING. SEE DETAIL SHEET C700.
- D. HEAVY DUTY CONCRETE PAVING SEE DETAIL SHEET C700.
- E. RAISED ADA BRICK PAVER CROSSWALK WITH 8' CONCRETE APPROACH RAMPS.
- F. 24" CONCRETE CURB AND GUTTER. SEE DETAIL SHEET C700.
- G. HEAVY DUTY ASPHALT PAVEMENT. SEE DETAIL SHEET C700.
- H. LIGHT DUTY ASPHALT PAVEMENT. SEE DETAIL SHEET C700.
- I. PROPOSED CONCRETE SIDEWALK.
- J. LANDSCAPE ISLANDS. SEE LANDSCAPE PLAN FOR PLANTINGS.
- K. ADA RAMP TYPE A W/TRUNCATED DOMES. SEE DETAIL SHEET C702.
- L. HD CONCRETE LOADING / UNLOADING AREA 12' x 55'.
- M. 5' BLACK VINYL COATED CHAIN LINK FENCE.
- N. CONCRETE CURB FLUME.
- O. PROPOSED CONCRETE SIDEWALK (ADA ROUTE TO R/W).
- P. 90° ADA PARKING. SEE DETAIL SHEET C202.
- Q. OUTDOOR PATIO AREA RAILINGS, SEATING, TABLE SEATING AND ALL RELATED IMPROVEMENTS PER ARCHITECTURAL DESIGN.
- R. PROPOSED LANE WIDENING / ADDITION WITH ASPHALT PAVEMENT PER FDOT STANDARDS AND SPECIFICATIONS.
- S. PROPOSED 185' DECELERATION LANE WITH A 50' TAPER PER FDOT DESIGN STANDARDS AT ENTRANCE TO FULL ACCESS DRIVEWAY ON US HWY 98.
- T. PROPOSED 185' DECELERATION LANE WITH A 50' TAPER PER FDOT STANDARDS AT ENTRANCE TO FULL ACCESS DRIVEWAY ON BLUE ANGEL PKWY.
- U. 2" MILL AND OVERLAY EXISTING ASPHALT AND STRIPE.
- V. DOUBLE 10' GATE, BLACK VINYL COATED CHAIN LINK FENCE (5' H.) FOR ACCESS TO STORMWATER POND.

GENERATOR SITING NOTES

1. THE 500 KW STANDBY GENERATOR AND ITS ASSOCIATED DIESEL FUEL TANK ARE: *1825313304000000*
   WITHIN A ZONE(S) STRICTLY DEFINED
   - NOT WITHIN 1,000 FEET OF ANY EXISTING COMMUNITY WATER SUPPLY WELL
   - NOT WITHIN 500 FEET OF ANY EXISTING NON-TRANSIENT, NON-COMMUNITY WATER SUPPLY WELL.
   - NOT WITHIN 100 FEET OF ANY MUNICIPAL WATER SUPPLY WELL.

PROPERTY LINE TABLE		
LINE	LENGTH	BEARING
L1	66.20'	S88°07'52"E
L2	45.80'	N01°52'08"E
L3	16.00'	N88°07'52"W
L4	40.18'	S88°07'52"E

PROPERTY LINE CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA–ANGLE	TANGENT	CHORD	CHORD–BEARING
C1	70.69'	45.00'	90°00'00"	45.00	63.64'	S43°07'52"E
C2	75.40'	48.00'	90°00'00"	48.00	67.88'	N46°52'08"E

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ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
SITE PLAN

DATE
10-26-2021
01-26-2022
03-02-2022
03-30-2022
04-29-2022
REVISIONS

SCALE: 1"=60'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C201

CAD FILE: 20001743-C200 SITE PLAN.dwg

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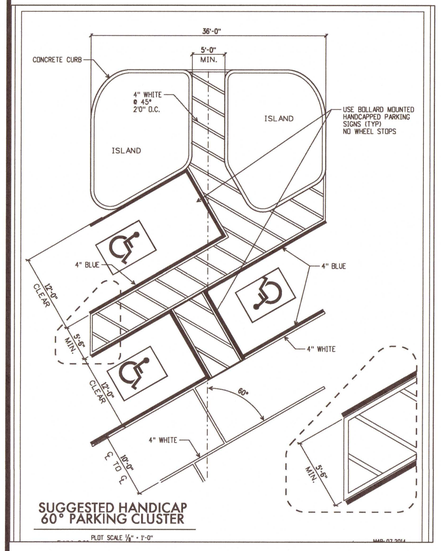
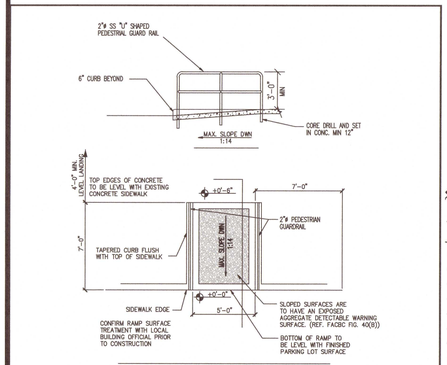


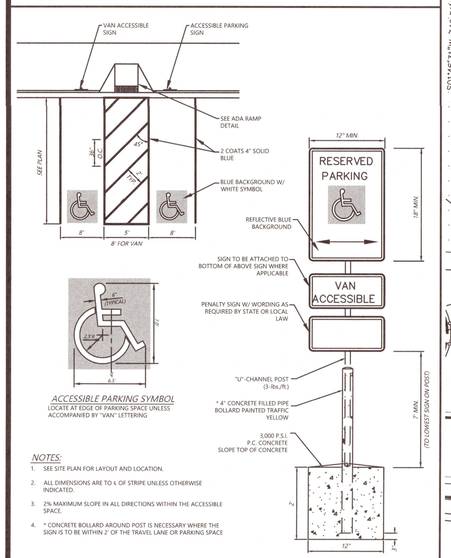
SUGGESTED HANDICAP 60° PARKING CLUSTER

PLOT SCALE ½" = 1'-0"



N.T.S. USE IN FRONT OF GROCERY A BUILDING

ACCESSIBLE RAMP W/EXPOSED AGGREGATE WARNING SURFACE



ACCESSIBLE PARKING SYMBOL
LOCATE AT EDGE OF PARKING SPACE UNLESS ACCOMPANIED BY "VAN" LETTERING

NOTES:
1. SEE SITE PLAN FOR LAYOUT AND LOCATION.
2. ALL DIMENSIONS ARE TO ¼ OF STRIPE UNLESS OTHERWISE INDICATED.
3. 2% MAXIMUM SLOPE IN ALL DIRECTIONS WITHIN THE ACCESSIBLE SPACE.
4. * CONCRETE BOLLARD AROUND POST IS NECESSARY WHERE THE SIGN IS TO BE WITHIN 2' OF THE TRAVEL LANE OR PARKING SPACE

ADA PARKING DETAIL
N.T.S.

SSO

WET STORMWATER POND-1
25YR 24HR = 18.09'
100YR 8HR (CRITICAL) = 17.99'
NWL = 15.00
4.52 ACRES

TRACT 1
40.48 ACRES±

TRACT 2
0.68 ACRES±
TRACT 2 FUTURE ECUA PROPERTY (TO BE DONATED)

RESTRICTIVE COVENANT AREA
148,634 SF
3.41 ACRES

GROCERY
47,260 SF
36' BLDG. HT.
253 SPACES
FFE=25.0

SHOPS A
12,000 SF
87 SPACES
FFE=25.0

SHOPS B
7,500 SF
47 SPACES
FFE=25.0

LOADING DOCK

SERVICE DRIVE

OUTPARCEL 1
0.79 ACRES±

OUTPARCEL 2
0.96 ACRES±

OUTPARCEL 3
0.99 ACRES±

OUTPARCEL 4
1.31 ACRES±

WETLANDS
20.27 ACRES±

ACCESSIBLE RAMP W/ EXPOSED AGGREGATE WARNING SURFACE & PEDESTRIAN GUARDRAIL SEE DETAIL THIS SHEET

5' X 5' LEVEL ATM PAD

TYPE A ACCESSIBLE RAMP W/ TRUNCATED DOME WARNING STRIP (TYP.)

TYPE B ACCESSIBLE RAMP W/ TRUNCATED DOME WARNING STRIP (TYP.)

PEDESTRIAN CROSSWALK SHALL BE 5% MAX. LONGITUDINAL SLOPE 2% MAX. CROSS SLOPE (TYP.)

2% MAXIMUM SLOPE IN ALL DIRECTIONS FOR ADA PARKING AREAS. SEE PARKING DETAIL THIS SHEET. SEE SHEET C301 FOR ADDITIONAL SPOT ELEVATIONS. (TYP.)

POB RESTRICTIVE COVENANT AREA

SR 30
(US 98) R/W VARIES

PROPERTY LINE TABLE

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C2	75.40'	48.00'	90°00'00"	48.00	67.88'	N46°52'08"E

BENCHMARK TOP OF 4"X4" CONCRETE MONUMENT #6783 ELEVATION = 21.14 FEET

BENCHMARK TOP OF 4"X4" CONCRETE MONUMENT #1390 ELEVATION = 23.01 FEET

BENCHMARK TOP OF 4"X4" CONCRETE MONUMENT (FDOT) ELEVATION = 24.91 FEET

BENCHMARK TOP OF 4"X4" CONCRETE MONUMENT #6783 ELEVATION = 22.65 FEET

BENCHMARK TOP OF 4"X4" CONCRETE MONUMENT UNNUMBERED ELEVATION = 24.90 FEET

18253133040000 WEST FLORIDA REGIONAL MEDICAL 9400 W HIGHWAY 98 O.R. BOOK 7565, PAGE 1942

SURVEY CONTROL LINE
N 01°30'21" E 545.70' (F)

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18-25-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
ACCESSIBILITY PLAN

DATE
10-26-2021
01-26-2022
03-02-2022
03-30-2022
04-29-2022
REVISIONS

0 30' 60'
SCALE: 1"=60'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C203

CAD FILE: 20001743-C202 ACCESSIBILITY PLAN.dwg

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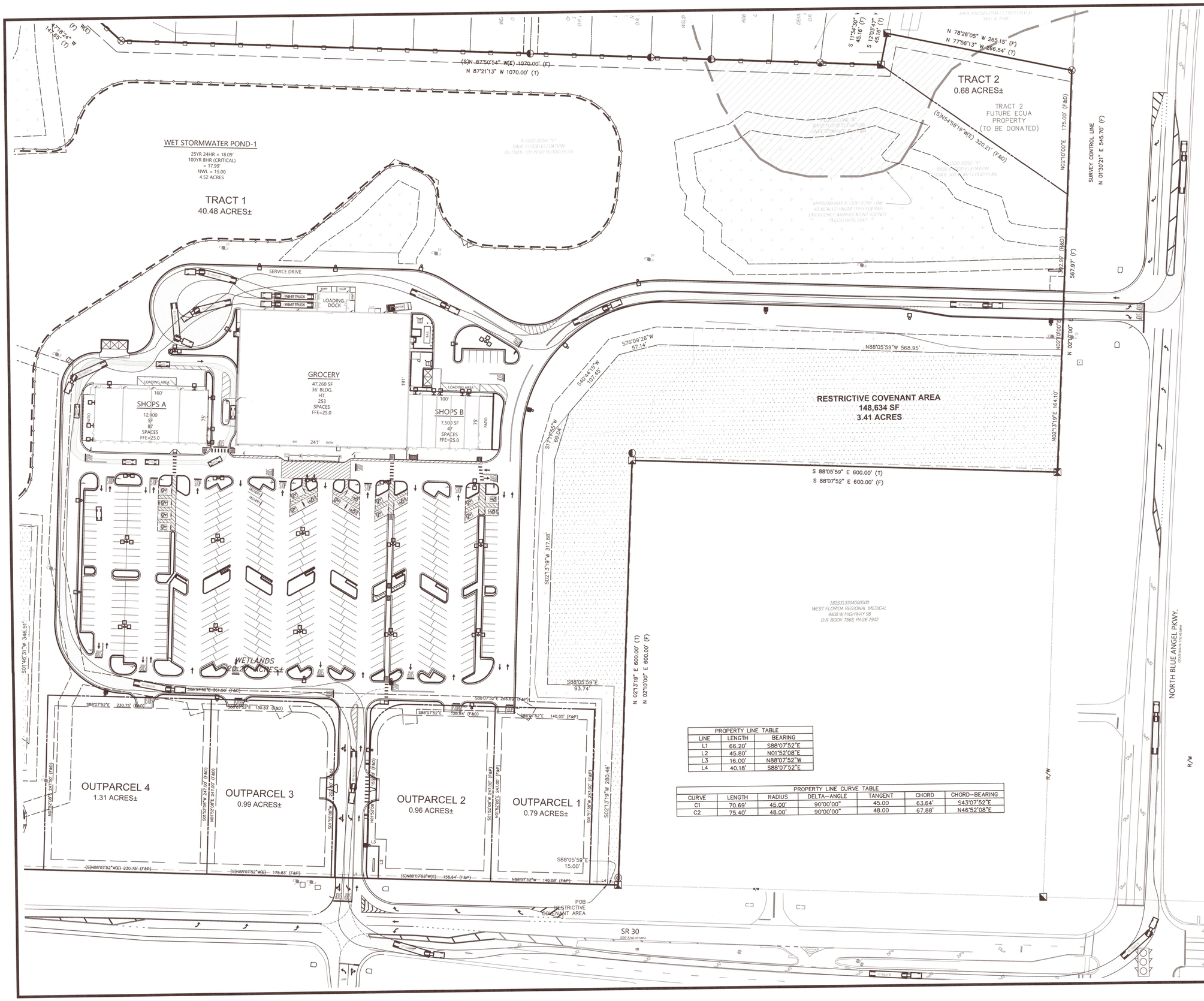

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9500 W HIGHWAY 98
18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
TRUCK TURN PLAN

DATE 10-26-2021

01-26-2022
03-02-2022
03-30-2022
04-29-2022

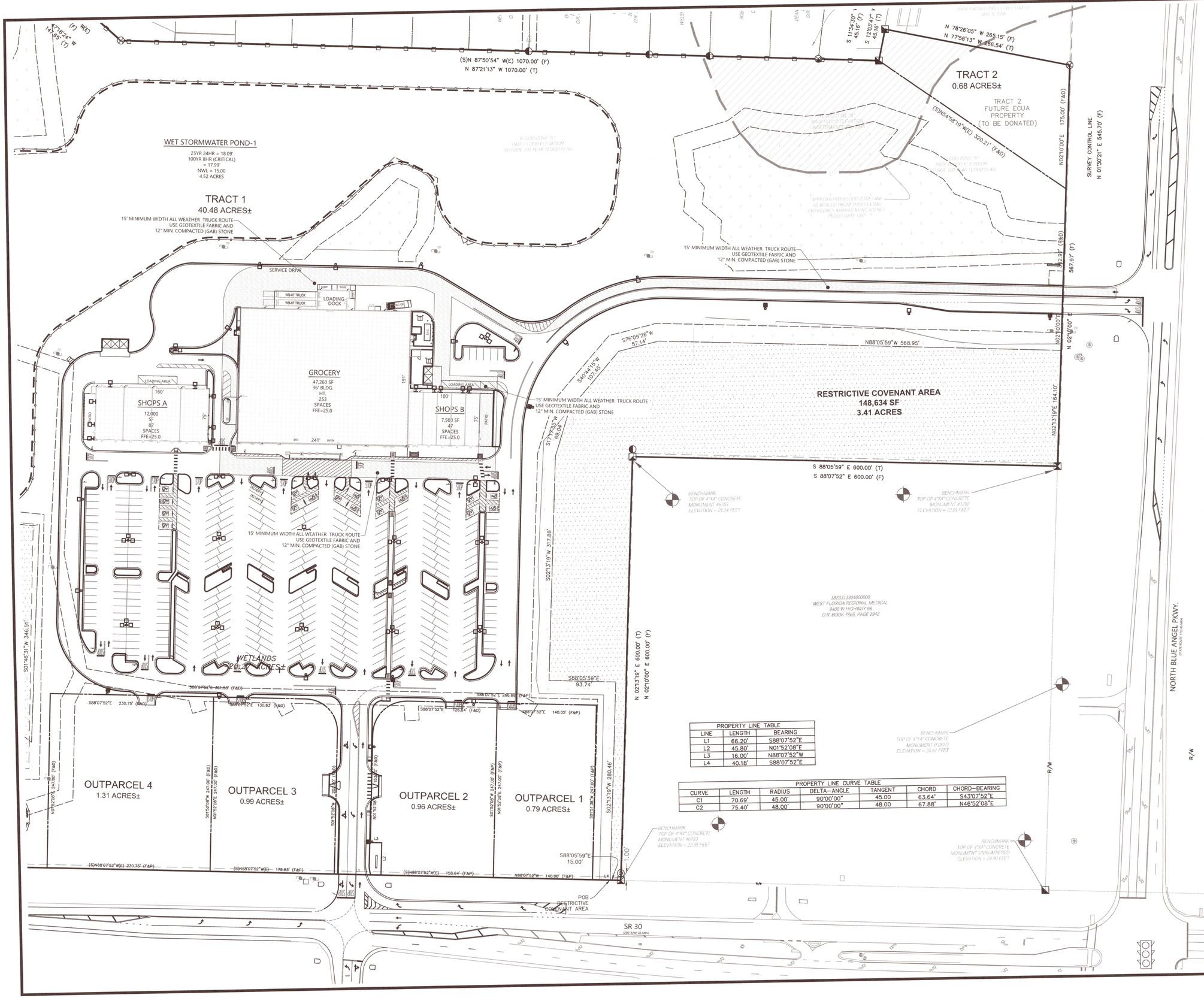
REVISIONS

0 30' 60'
SCALE: 1"=60'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C210

NOT-ISSUED FOR-CONSTRUCTION
CAD FILE: 20001743-C0D ACCESSIBILITY PLAN-8

FILE NAME: K:\20001743 Pensacola Grocery - Blue Angel Pkwy\Design\SHEETS\PRODUCTION\20001743-C0D0 ACCESSIBILITY PLAN-8.dwg LAST SAVED BY: tweigel 2/21/2022 9:22 AM PLOTTED BY: Hans Wright 4/29/2022 PAPER: ARCH B (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF 300DPI.PC3 PLOT STYLE: ATWELL.CTB



PROPERTY LINE TABLE		
LINE	LENGTH	BEARING
L1	66.20'	S88°07'52"E
L2	45.80'	N01°52'08"E
L3	16.00'	N88°07'52"W
L4	40.18'	S88°07'52"E

PROPERTY LINE CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA–ANGLE	TANGENT	CHORD	CHORD–BEARING
C1	70.69'	45.00'	90°00'00"	45.00	63.64'	S43°07'52"E
C2	75.40'	48.00'	90°00'00"	48.00	67.88'	N46°52'08"E

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ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
TEMP ACCESS AND STAGING PLAN

DATE
10-26-2021
01-26-2022
03-02-2022
03-30-2022
04-29-2022

REVISIONS

0 30' 60'
SCALE: 1" = 60'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C220

CAD FILE: 20001743-C220 ACCESSIBILITY PLAN-8

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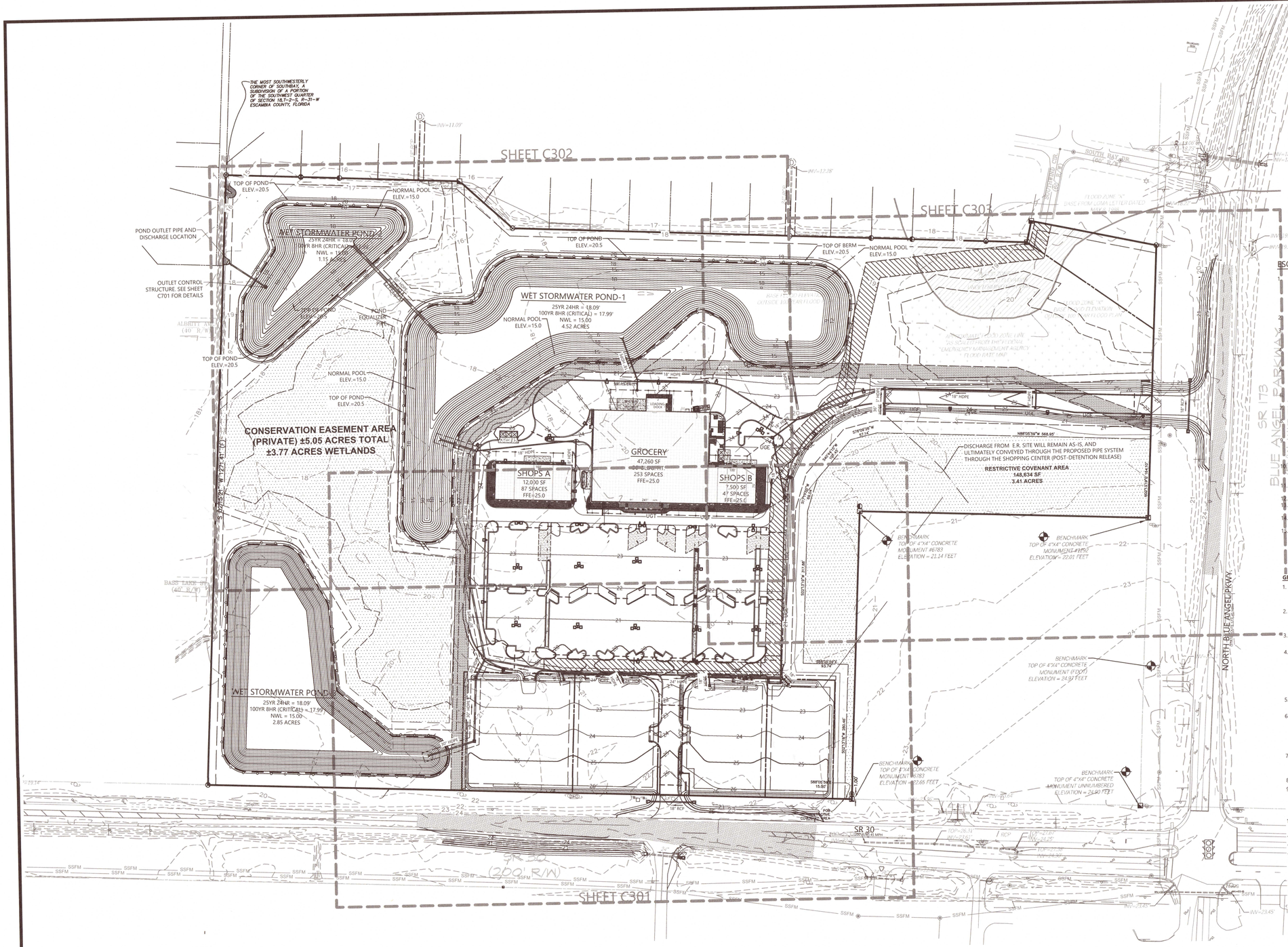
FILE NAME: K:\20001743 Pensacola Grocery - Blue Angel Pkwy\Design\Site\04 PRODUCTION\20001715-C202 ACCESSIBILITY PLAN-8.dwg LAST SAVED BY: hwright 2/21/2022 8:22 AM PLOTTED BY: Hans Wright 4/29/2022 PAPER: ARCH D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF 300DPI.PC3 PLOT STYLE: ATWELL.CTB



GENERAL SITE AND POND PREPARATION NOTES

1. THE SITE "CONTRACTOR" SHALL REFER TO THE GEOTECHNICAL REPORT PREPARED BY NOVA ENGINEERING AND ENVIRONMENTAL, LLC DIGITALLY SIGNED AND DATED 9-21-2021 BY WILLIAM L. LAWRENCE, PE. FOR FULL RECOMMENDATIONS ON THE "GROCERY ANCHORED SHOPPING CENTER" (PROJECT).
2. GROUNDWATER WAS ENCOUNTERED IN THE TEST BORINGS AT DEPTHS RANGING FROM THE EXISTING GROUND SURFACE TO ABOUT 6-FEET BEG AT THE TIME OF THE FIELD EXPLORATIONS, WHICH OCCURRED DURING PERIODS OF RELATIVELY NORMAL TO ABOVE NORMAL SEASON RAINFALL. BASED UPON THE PROPOSED FILL HEIGHTS AND OUR UNDERSTANDING OF THE PROPOSED CONSTRUCTION, PERMANENT DEWATERING IS NOT ANTICIPATED AS BEING NECESSARY FOR THIS DEVELOPMENT.
3. DESIGN OF A TEMPORARY DEWATERING SYSTEM IS THE RESPONSIBILITY OF THE CONTRACTOR. HOWEVER, WE ANTICIPATE THAT A WELL POINT DEWATERING SYSTEM WILL BE NECESSARY TO PROPERLY CONTROL GROUNDWATER. AT THE TIME OF CONSTRUCTION, GROUNDWATER MUST BE LOWERED AND CONTINUOUSLY MAINTAINED AT A MINIMUM DEPTH OF 3-FEET BELOW THE DESIRED WORKING ELEVATION TO PERMIT SUBGRADE PREPARATION, EXCAVATION AND CONSTRUCTION.
4. ANY DEWATERING SYSTEM SHOULD BE INSTALLED AND OPERATIONAL PRIOR TO EXCAVATION BENEATH THE WATER TABLE. UNDERCUTTING, STABILIZATION, AND REPLACEMENT OF UNSTABLE SOILS SHOULD BE ASSUMED TO BE NECESSARY.
5. CONTRACTOR SHOULD BE PREPARED TO EMPLOY APPROPRIATE DEWATERING MEASURES TO PERFORM REQUIRED TASKS IN BELOW-GRADE AREAS IN THE DRY, WITH THE ACTUAL MEASURES EMPLOYED BEING DEPENDENT ON PREVAILING GROUNDWATER LEVELS AT THE TIME OF CONSTRUCTION AS WELL AS THE DEPTH BELOW GROUNDWATER THAT CONSTRUCTION WOULD BE REQUIRED TO OCCUR. GROUNDWATER LEVELS ARE SUBJECT TO SEASONAL, CLIMATIC AND OTHER VARIATIONS AND MAY BE DIFFERENT AT OTHER TIMES AND LOCATIONS.
6. IT IS RECOMMENDED THAT THE CONTRACTOR DIG POND 1 DOWN TO THE CURRENT GROUND WATER LEVEL. THEN DIG POND 2 AND PLACE PUMP TO DEWATER BACK INTO POND 1. POND 1 IS TO HOLD WATER (ACT AS A SETTLING BASIN) WHILE POND 2 IS FULLY CONSTRUCTED WITH THE OUTLET CONTROL STRUCTURE INSTALLED AND INSPECTED AND DEEMED FULLY OPERATIONAL. THE PIPE BETWEEN POND 2 AND 1 SHOULD BE CONSTRUCTED AFTER THE OCS IS FULLY OPERATIONAL.
7. AFTER CONSTRUCTION OF POND 2, THEN POND 1 CAN BE PUMPED INTO POND 2 TO ASSIST WITH FINAL CONSTRUCTION OF EQUALIZER PIPE AND POND 1. WHILE FINALIZING POND 1, THE CONTRACTOR CAN DIG, PUMP AND CONSTRUCT POND 3.

ESCAMBIA CO. STORMWATER NOTES

THE PROJECT ENGINEER (ENGINEER OF RECORD) SHALL PROVIDE TO ESCAMBIA COUNTY "AS-BUILT" RECORD DRAWINGS FOR VERIFICATION AND APPROVAL BY ESCAMBIA COUNTY ONE WEEK PRIOR TO REQUESTING A FINAL INSPECTION AND CERTIFICATE OF OCCUPANCY, OR PROVIDE "AS-BUILT" CERTIFICATION THAT THE PROJECT CONSTRUCTION ADHERES TO THE PERMITTED PLANS AND SPECIFICATIONS. THE "AS-BUILT" CERTIFICATION OR THE "AS-BUILT" RECORD DRAWINGS MUST BE SIGNED, SEALED AND DATED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.
ALL ASPECTS OF THE STORMWATER/DRAINAGE COMPONENTS AND/OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY.
NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER AND THE ESCAMBIA COUNTY. ANY DEVIATIONS MAY RESULT IN DELAYS IN OBTAINING A CERTIFICATE OF OCCUPANCY.
THE CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON THE SITE. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATION.
RETENTION/DETENTION AREAS SHALL BE SUBSTANTIALLY COMPLETED PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT MAY INCREASE STORMWATER RUNOFF RATES. THE CONTRACTOR SHALL CONTROL STORMWATER DURING ALL PHASES OF CONSTRUCTION AND TAKE ADEQUATE MEASURES TO PREVENT THE EXCAVATED POND FROM BLINDING DUE TO SEDIMENTS.
ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER AND MULCH, HYDROSEED AND/OR SOD.
ALL NEW BUILDING ROOF DRAINS, DOWN SPOUTS, OR GUTTERS SHALL BE ROUTED TO CARRY ALL STORMWATER TO RETENTION/DETENTION AREAS.
DEVELOPER/CONTRACTOR SHALL RESHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT, AND STABILIZE RETENTION/DETENTION POND(S) AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND PRIOR TO REQUEST FOR INSPECTION.
CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOPO OF POND(S), OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.
THE OWNER OR HIS AGENT SHALL ARRANGE/SCHEDULE WITH THE COUNTY A FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION AND ANY INTERMEDIATE INSPECTIONS AT (850) 595-3472. AS-BUILT CERTIFICATION IS REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION/APPROVAL.
PRIOR TO CONSTRUCTION A SEPARATE BUILDING INSPECTION DEPARTMENT PERMIT(S) SHALL BE OBTAINED FOR ALL RETAINING WALL(S) HIGHER THAN 2 FEET.
NOTIFY SUNSHINE UTILITIES 48 HOURS IN ADVANCE PRIOR TO DIGGING WITHIN R/W: 1-800-432-4770.
ANY DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIRED BY THE DEVELOPER PRIOR TO FINAL "AS-BUILT" SIGN OFF FROM THE COUNTY.
THE CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHTS-OF-WAY.
ANY DAMAGE TO THE EXISTING DITCH WITHIN FDOT RIGHT-OF-WAY DUE TO CONSTRUCTION SHALL BE REPAIRED/RESTORED PER FDOT SPECIFICATIONS. RIGHT-OF-WAY SHOULDER STABILIZATION SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.

GRADING NOTES

1. THE PROJECT TOPOGRAPHIC SURVEY HAS BEEN PROVIDED BY NORTHWEST FLORIDA LAND SURVEYING, INC. (THE ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF THE SURVEY, OR FOR DESIGN ERRORS OR OMISSIONS AS A RESULT OF SURVEY INACCURACIES.)
2. SHOULD THE CONTRACTOR NOT ACCEPT THE EXISTING TOPOGRAPHY AS SHOWN ON THE PROJECT SURVEY OR THESE DESIGN DRAWINGS, HE MAY OPT TO HAVE A NEW TOPOGRAPHIC SURVEY PREPARED AT HIS OWN EXPENSE.
3. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL NPDES PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
4. INFORMATION CONCERNING SITE SOIL CONDITIONS SHALL BE PROVIDED BY THE OWNER'S GEOTECHNICAL ENGINEER. THE PROJECT GEOTECHNICAL REPORT AND RECOMMENDATIONS THEREIN ARE CONSIDERED PART OF THE AUTHORIZED CONSTRUCTION DOCUMENTS . IN CASE OF CONFLICT OR DISCREPANCY, THE GEOTECHNICAL REPORT SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF ANY SUCH DISCREPANCY.
5. EARTHWORK FOR ALL BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND ARCHITECTURAL PLANS AND SPECIFICATIONS.
6. ALL FILL USED TO INCREASE THE ELEVATION OF THE FLOOR SLAB OR ANY FILL TO BE USED AS BACKFILL, SHALL BE CLEAN, SELECT, GRANULAR MATERIAL. PRIOR TO THE USE OF ANY GRANULAR FILL, GRADATION ANALYSIS SHALL BE PERFORMED ON REPRESENTATIVE SAMPLES OF THE FILL MATERIAL TO DETERMINE WHETHER THE MATERIAL IS SUITABLE FOR FILL. COMPACTED FILL SHALL BE PLACED IN ACCORDANCE WITH THE APPROVED GEOTECHNICAL REPORT FOR THE PROJECT.
7. ALL ROCKS, STUMPS, ROOTS, AND ORGANIC MATTER SHALL BE REMOVED TO A DEPTH OF TWO FEET MINIMUM BELOW THE BOTTOM OF THE BASE SECTIONS. THE CONTRACTOR SHALL CONTACT THE GEOTECHNICAL ENGINEER FOR DIRECTION BEFORE BURYING ROCK ONSITE.
8. ALL SOIL EROSION AND SEDIMENT SHALL BE CONTROLLED AND CONTAINED ON-SITE.
9. ALL SLOPES AND DISTURBED AREAS NOT COVERED BY BUILDING OR PAVEMENT SHALL BE GRADED UNIFORMLY AND SHALL RECEIVE A MINIMUM OF 4 INCHES OF TOPSOIL. THE CONTRACTOR SHALL IMPORT TOPSOIL IF NOT READILY AVAILABLE ONSITE. OPEN AREAS SHALL BE SEEDED, MULCHED, FERTILIZED AND WATERED TO PROVIDE AN UNIFORM STAND OF GRASS.
10. CONTRACTOR SHALL INSTALL SLOPE STABILIZATION FABRIC TO ALL SLOPES 2H:1V OR STEEPER AND SHALL MAINTAIN ALL SLOPE AREAS UNTIL THERE EXISTS A HEALTHY STAND OF GRASS.
11. THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDINGS.
12. THE FLOW IN ALL EXISTING STORM SEWERS, STORM DRAINS, AND WATERWAYS SHALL BE MAINTAINED.
13. ALL SPOT ELEVATIONS SHALL BE TAKEN TO BE THE TOP OF PAVEMENT OR FINISHED GROUND UNLESS OTHERWISE NOTED.
    TC=TOP OF CURB ELEVATION
    MATCH=PROPOSED GRADE TO MATCH EXISTING GRADE
14. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, AND ALL UTILITIES PRIOR TO CONSTRUCTION.
15. ALL PIPE LENGTHS SHOWN ON PLAN AND PROFILE VIEWS ARE BASED ON THE HORIZONTAL DISTANCE BETWEEN STRUCTURES.
16. THE CONTRACTOR SHALL COMPARE PLAN AND PROFILE STORM SEWER INFORMATION FOR DISCREPANCIES. IF ANY EXIST THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR CLARIFICATION.
17. PRECAST CONCRETE OR BRICK STRUCTURES MAY BE USED AT THE CONTRACTOR'S OPTION
18. ALL STORM PIPE CONNECTIONS AT MANHOLES SHALL BE WATER TIGHT
19. ALL STORM SEWER MANHOLE STRUCTURES IN PAVED AREAS SHALL BE INSTALLED OR ADJUSTED WITH TRAFFIC READY LIDS FLUSH WITH THE PAVEMENT. MANHOLE STRUCTURES IN UNPAVED AREAS SHALL BE INSTALLED FLUSH WITH FINISH GRADE.
20. ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.
21. ALL SYSTEM MANHOLES AND PIPES SHALL BE FLUSHED CLEAN PRIOR TO TURNING OVER TO THE OWNER.
22. THE CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING WORK. EXISTING UNDERGROUND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN FROM THE BEST SOURCES AVAILABLE (FIELD SURVEYS AND UTILITY MAPS) AND MAY NOT BE FULLY ACCURATE. AS SUCH, THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHILE GRADING. ANY UTILITY RELOCATION DEEMED NECESSARY BUT NOT SHOWN ON THE APPROVED DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION.
23. THE GRADING CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES, ASSOCIATED GOVERNMENT DEPARTMENTS, AND THE OWNER'S REPRESENTATIVE PRIOR TO INTERRUPTION OF ANY UTILITY SERVICE. NOTIFICATION MUST BE MADE PER THE PROJECT SPECIFICATIONS. THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH AND ADHERENCE TO THE REQUIREMENTS OF EACH UTILITY COMPANY AND ANY GOVERNMENT UTILITY DEPARTMENT REGARDING SERVICE INTERRUPTION.

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ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
OVERALL GRADING PLAN

DATE
10-26-2021
01-26-2022
03-02-2022
03-30-2022
04-29-2022

REVISIONS

JAMES A. LOWE LICENSE No 0044729 STATE OF FLORIDA PROFESSIONAL ENGINEER

0 50' 100'
SCALE: 1"=100'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C300

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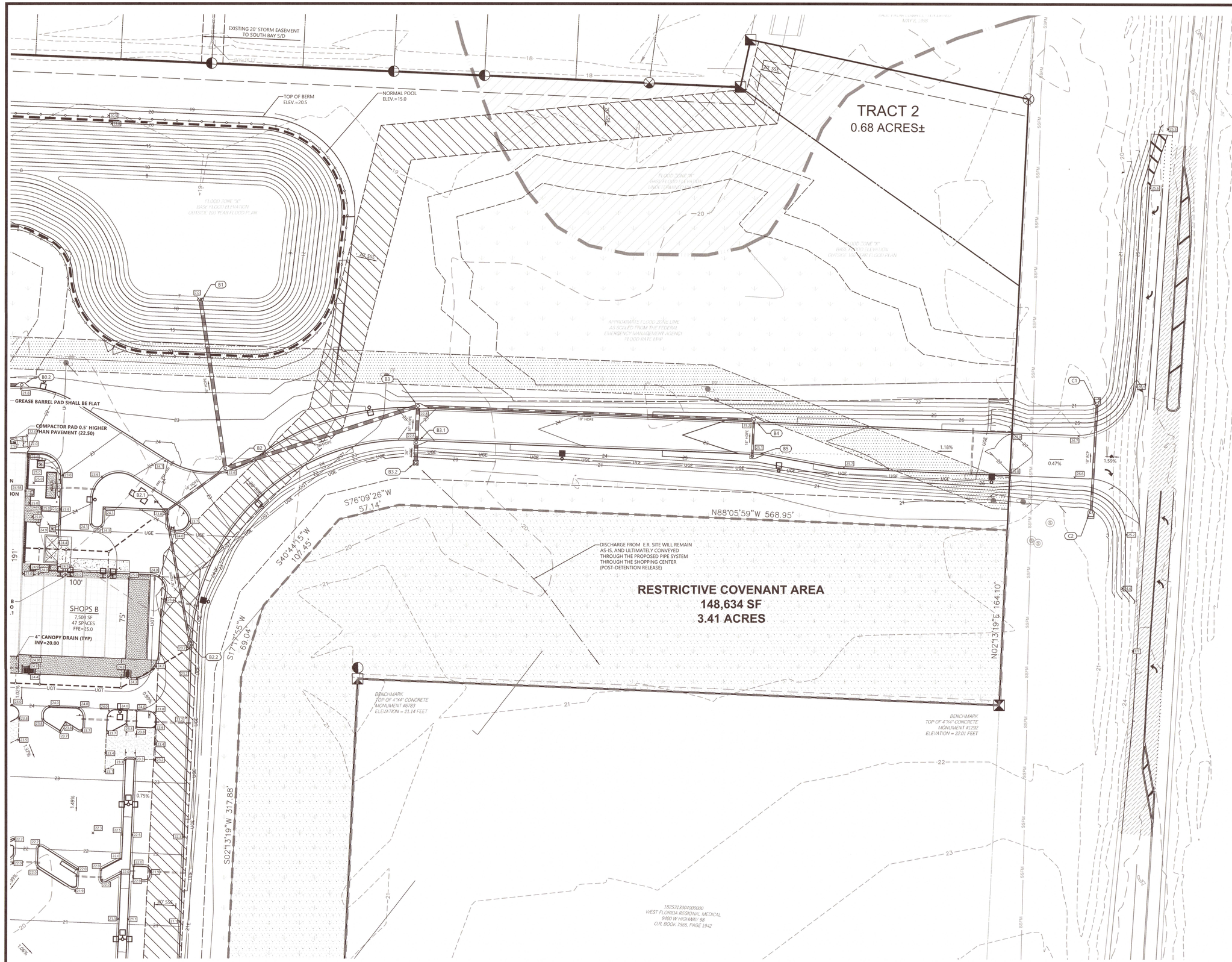

GRADING LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY
- EXISTING SETBACK LINE
- EXISTING MINOR CONTOURS
- EXISTING MAJOR CONTOURS
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- EXISTING STORM LINE
- PROPOSED STORM LINE
- PROPOSED SPOT ELEV
- SLOPE ARROW
- GRATE INLET
- STORM MANHOLE
- DOUBLE WING CATCH BASIN
- SINGLE WING CATCH BASIN
- AREA INLET
- OUTLET CONTROL STRUCTURE
- HEADWALL
- SANITARY SEWER MANHOLE

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BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
GRADING PLAN-1

DATE 10-26-2021

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CAD FILE 2000743-C300 GRADING PLAN-B

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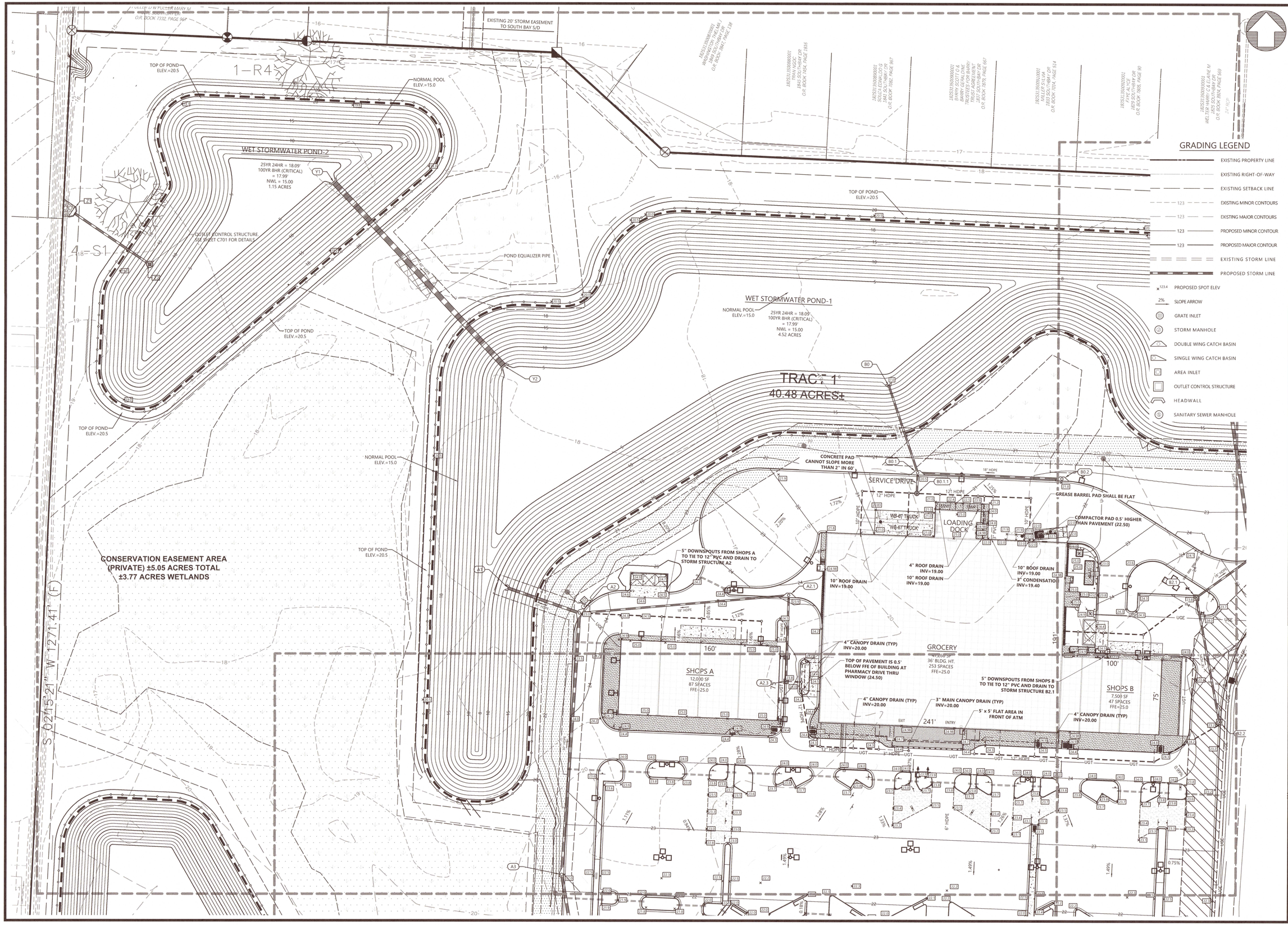

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BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
GRADING PLAN-2

DATE
10-26-2021
01-26-2022
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04-29-2022
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0 20' 40'
SCALE: 1"=40'

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CHECKED BY: BK
PROJECT MANAGER: BK
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CAD FILE: 20001743-C00 GRADING PLAN-B

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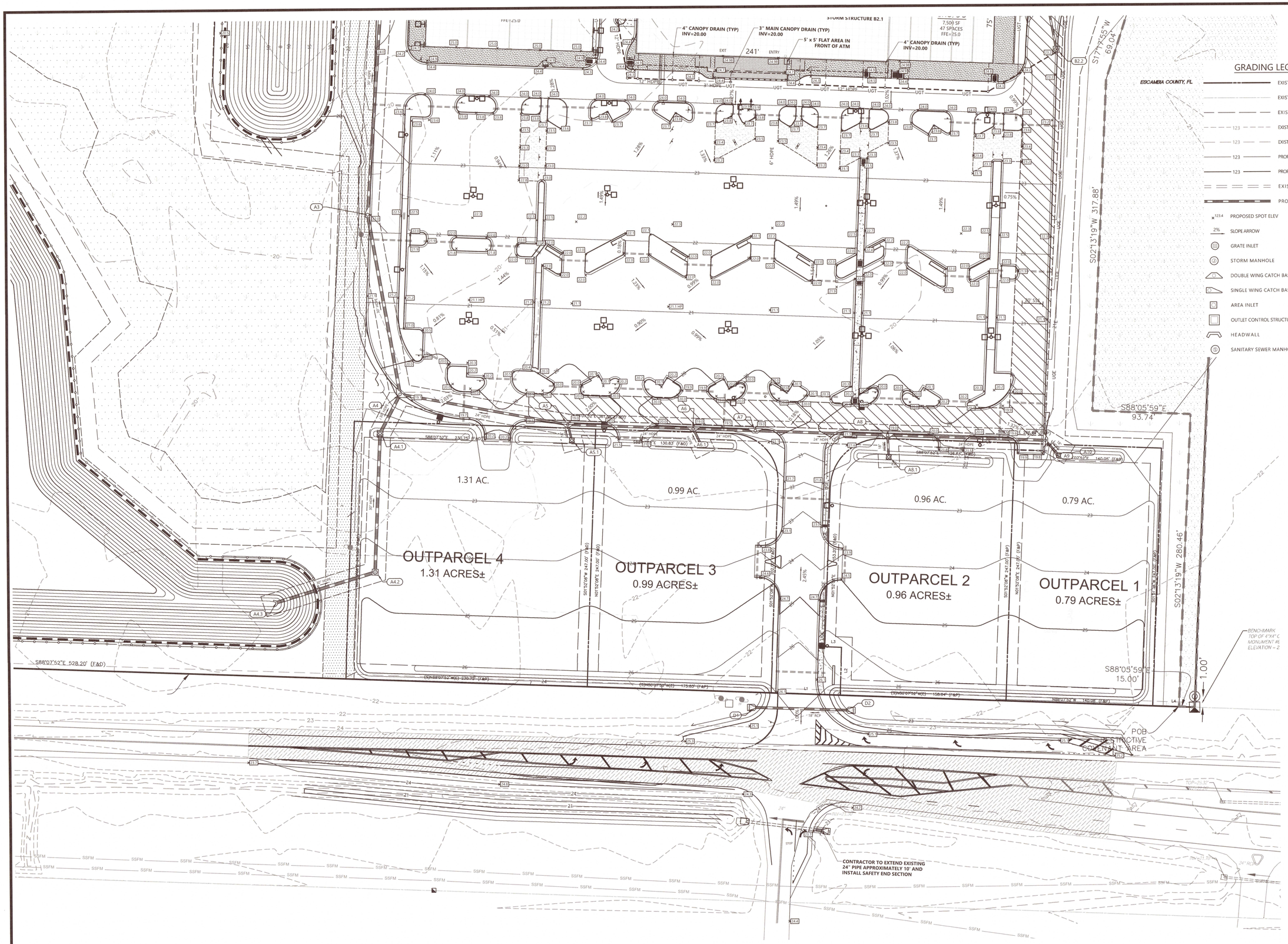

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18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
GRADING PLAN-3

DATE 10-26-2021

01-26-2022
03-02-2022
03-30-2022
04-29-2022

REVISIONS

JAMES A. LOWE
LICENSE
No 00447729
STATE OF FLORIDA
PROFESSIONAL ENGINEER

0 20' 40'
SCALE: 1"=40'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C303

NOT-ISSUED-FOR-CONSTRUCTION
CAD FILE: 20001743-C300 GRADING PLAN-B

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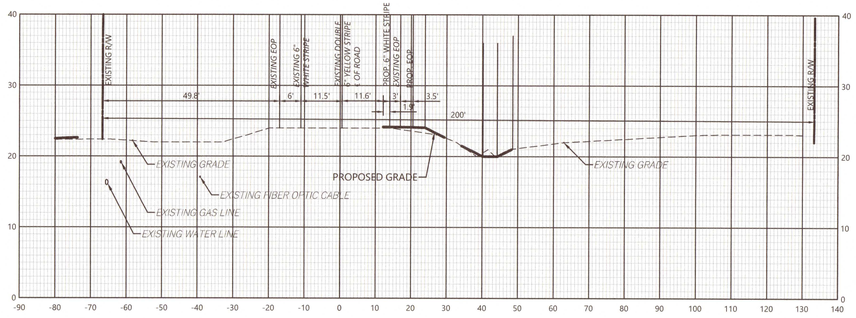

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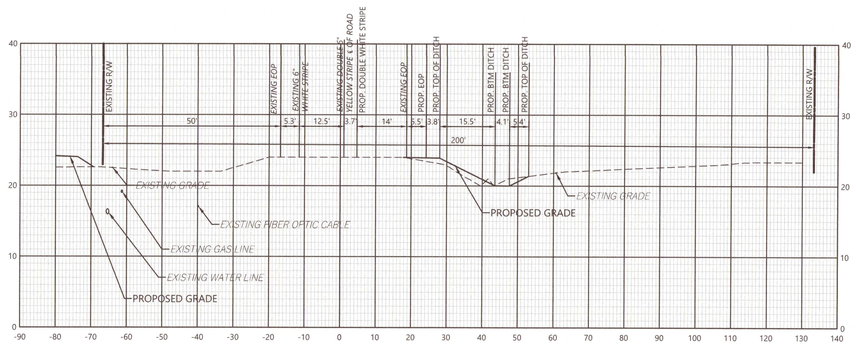

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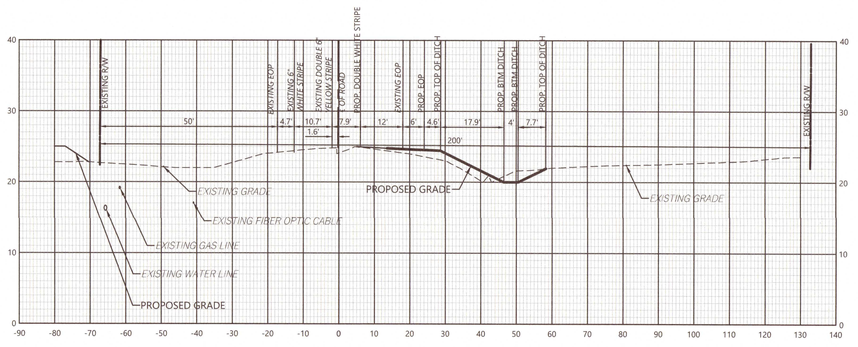

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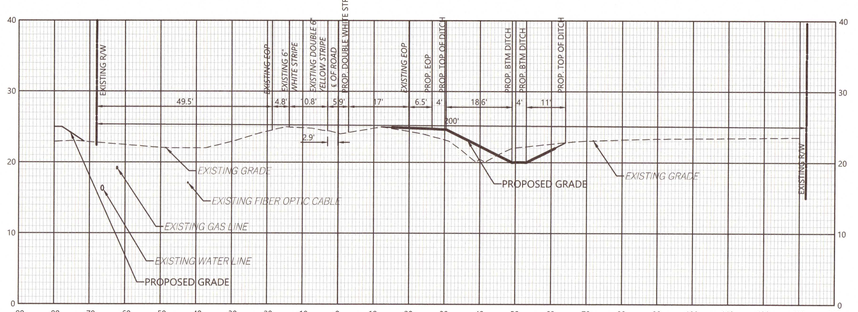

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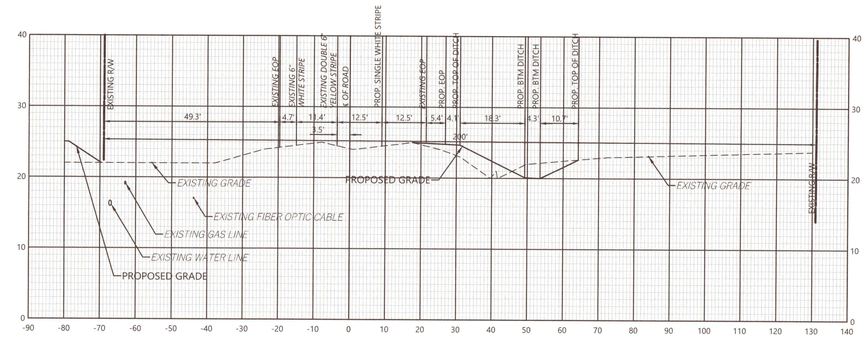

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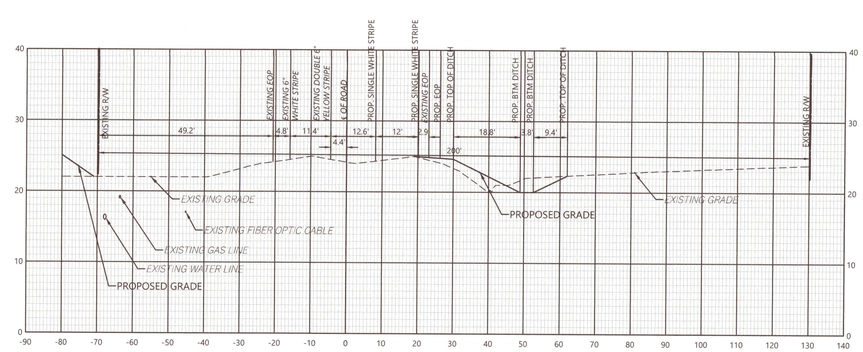

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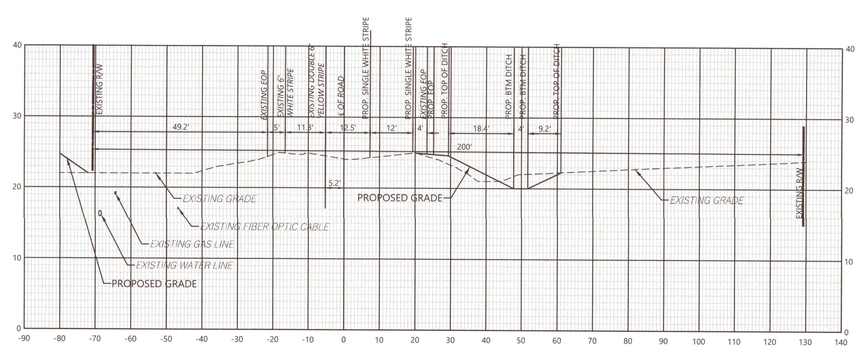

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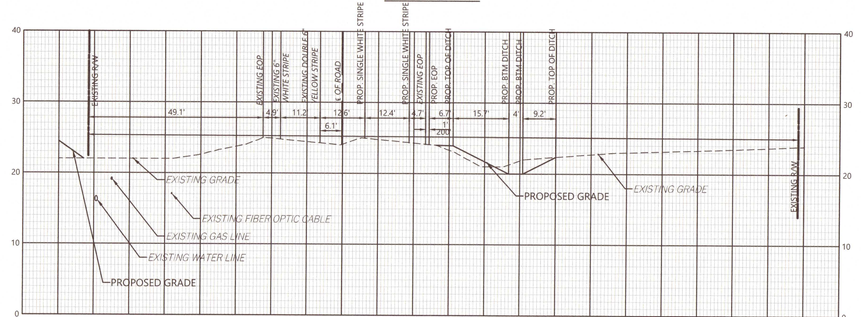

9+50.00

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1-800-432-4770
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30067
COA # PEF004804

SEC 18, TSP 2S, RNG 31W

9500 W HIGHWAY 98

18-2S-31-3100-000-000

ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA VSI, LLC

BLUE ANGEL PLAZA
SITE DEVELOPMENT PLANS
US HWY 98 (SR30)-SECTIONS

DATE
10-26-2021

01-26-2022
03-02-2022
03-30-2022
04-29-2022

REVISIONS

JAMES A. LOWE
LICENSE
No 0044729
STATE OF FLORIDA
PROFESSIONAL ENGINEER

0 10' 20'
SCALE: 1"=20'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C330

CAD FILE: 20001743-PIPES-B

NOT-ISSUED-FOR-CONSTRUCTION

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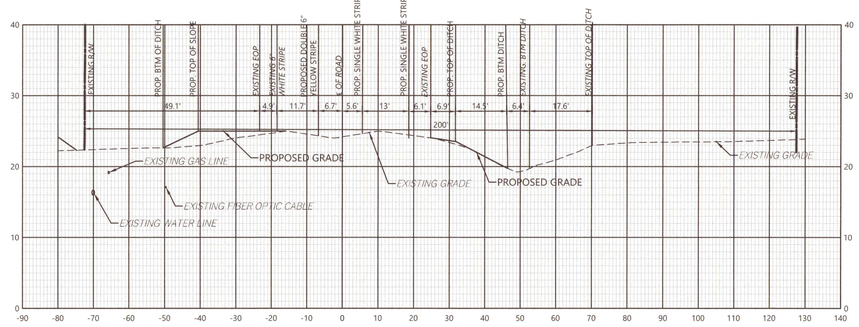

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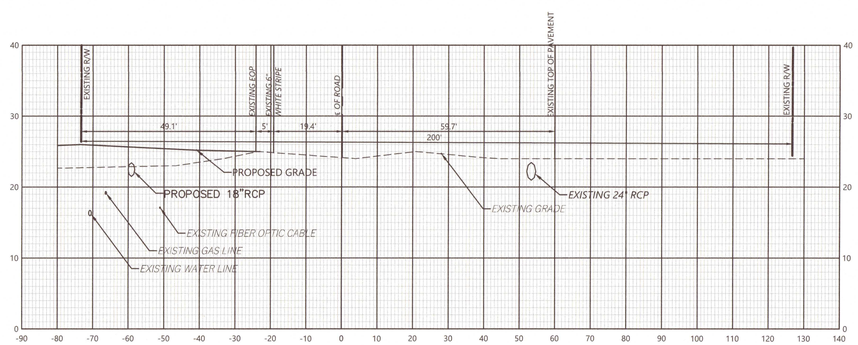

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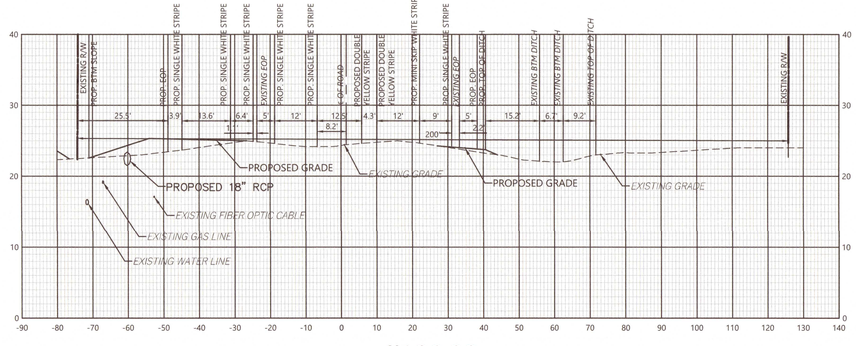

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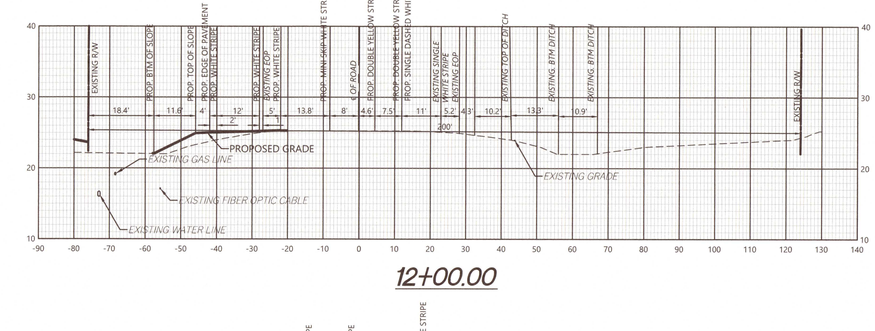

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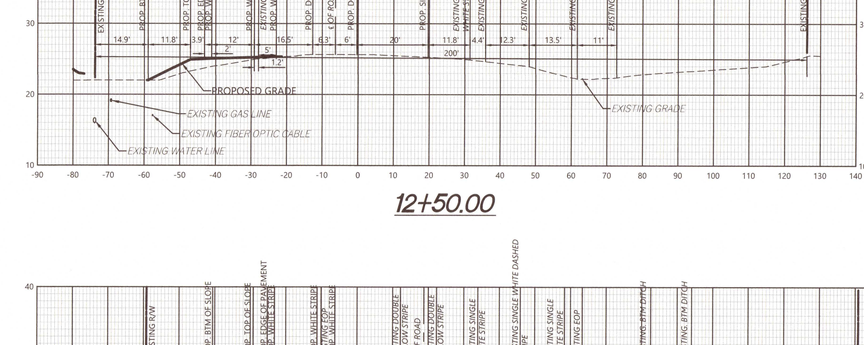

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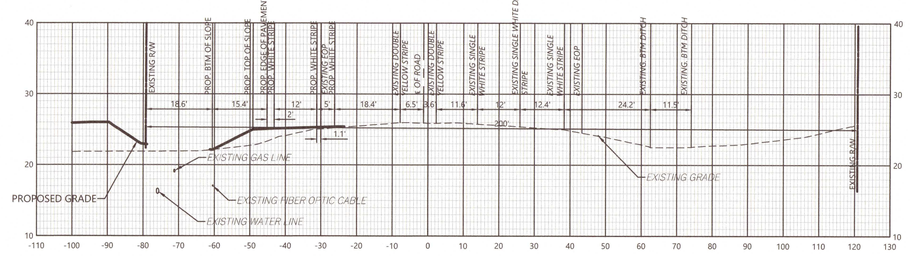

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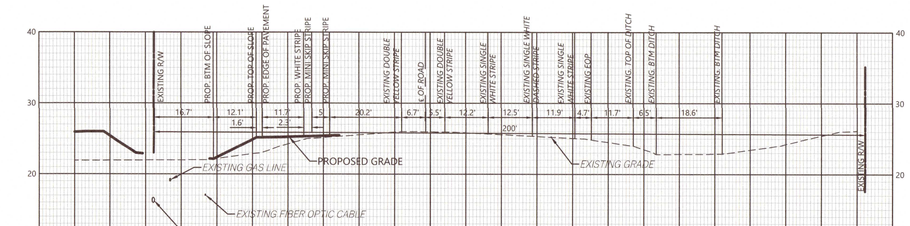

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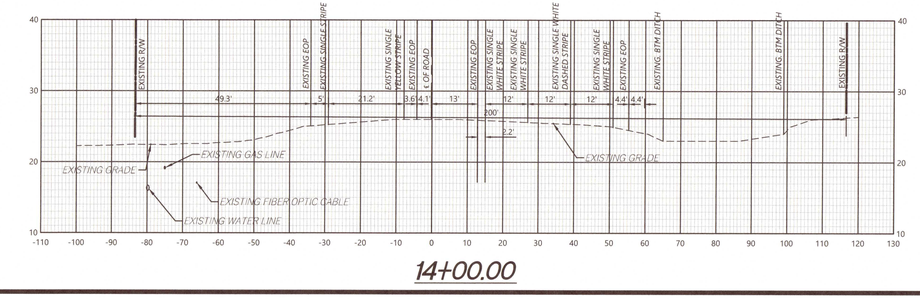

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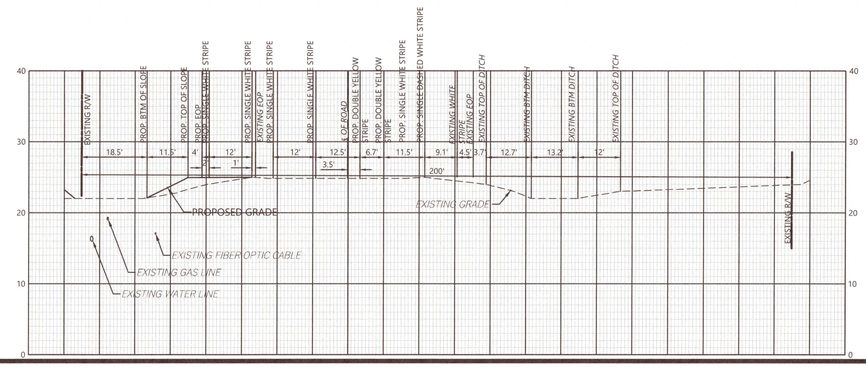

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9500 W HIGHWAY 98
18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA VSI, LLC

BLUE ANGEL PLAZA
SITE DEVELOPMENT PLANS
US HWY 98 (SR30)-SECTIONS

DATE 10-26-2021

01-26-2022
03-02-2022
03-30-2022
04-29-2022

REVISIONS

JAMES A. LOWE
LICENSE
No 0044729
STATE OF FLORIDA
PROFESSIONAL ENGINEER

0 10' 20'
SCALE: 1"=20'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C331

CAD FILE 20001743-PRPE5-8

NOT-ISSUED-FOR-CONSTRUCTION

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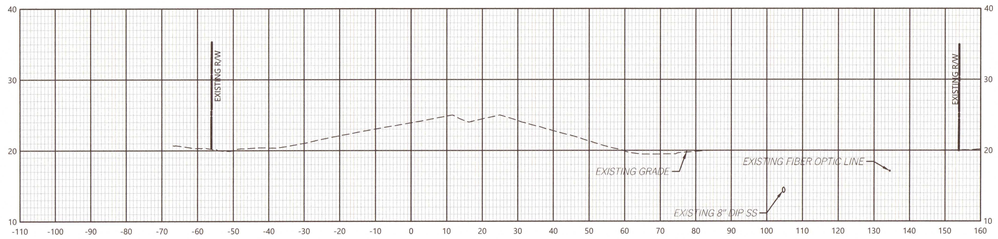

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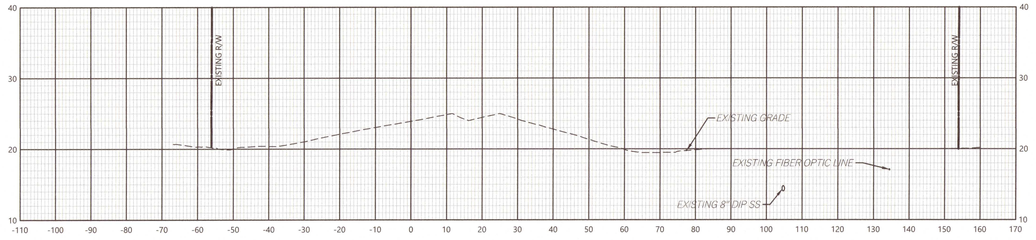

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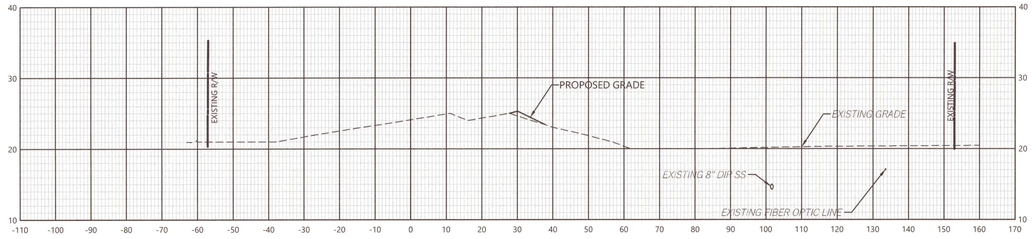

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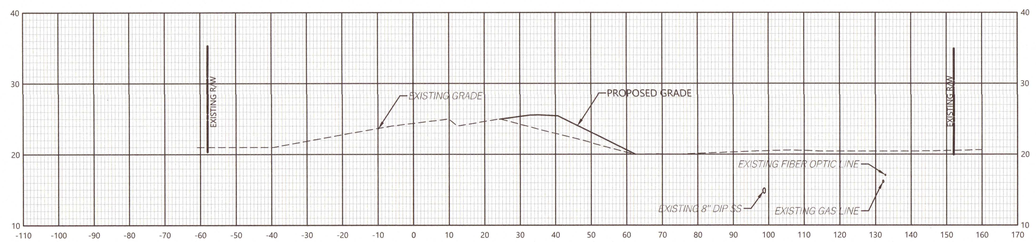

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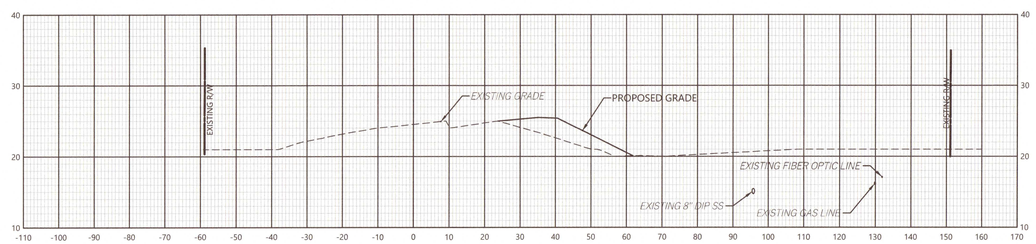

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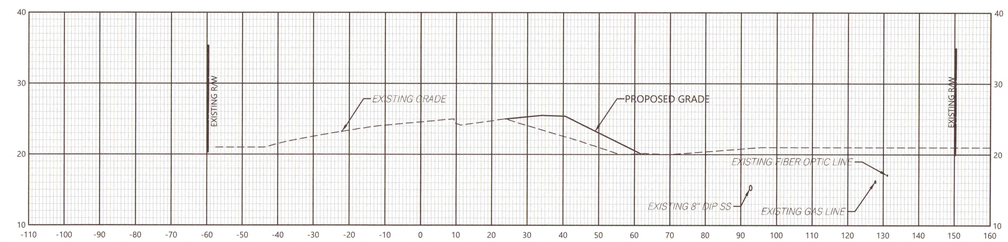

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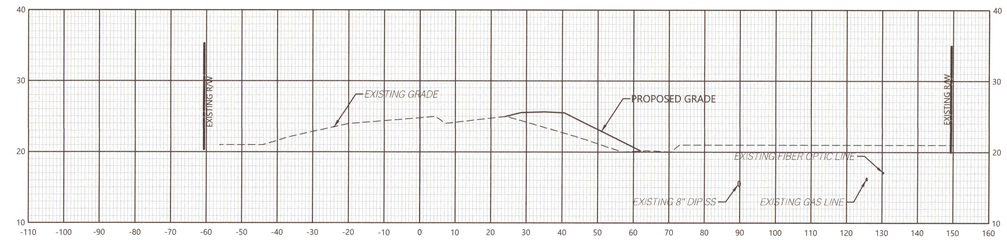

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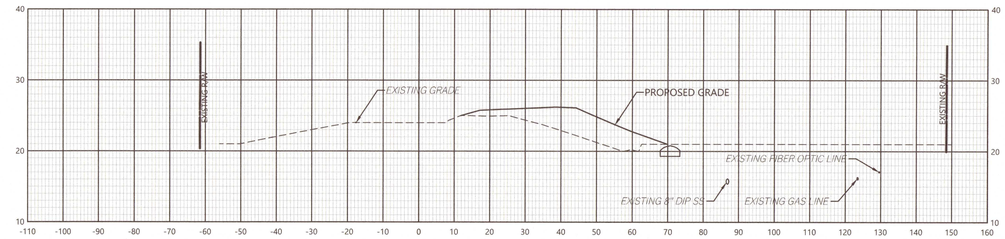

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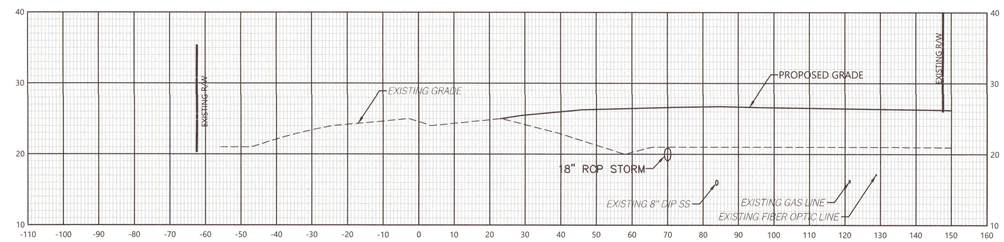

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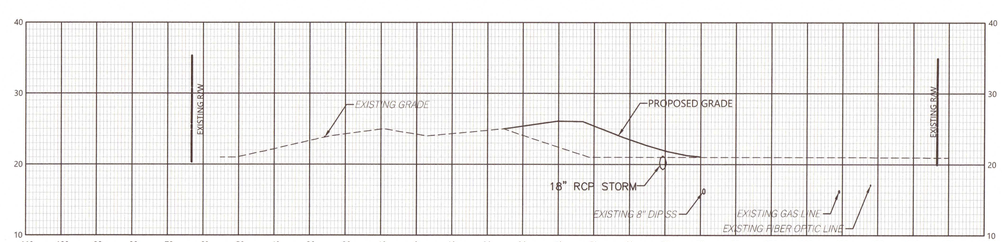

5+50.00

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9500 W HIGHWAY 98

18-2S-31-3100-000-000

ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA VSI, LLC

BLUE ANGEL PLAZA
SITE DEVELOPMENT PLANS
SR 173-SECTIONS

DATE
10-26-2021

01-26-2022
03-02-2022
03-30-2022
04-29-2022

REVISIONS

JAMES A. LOWE
LICENSE
No 0044729
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

0 10' 20'
SCALE: 1"=20'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C334

CAD FILE: 20001743-PIPES-S

NOT-ISSUED-FOR-CONSTRUCTION

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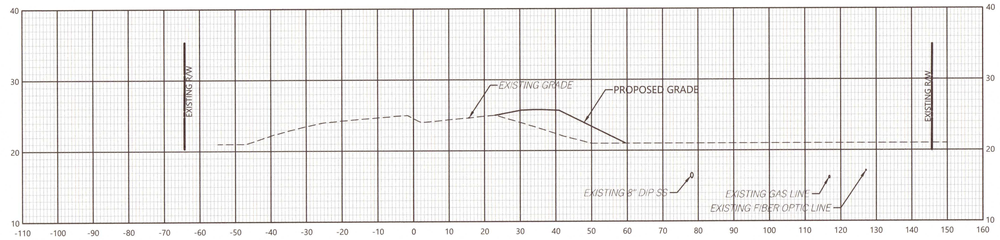

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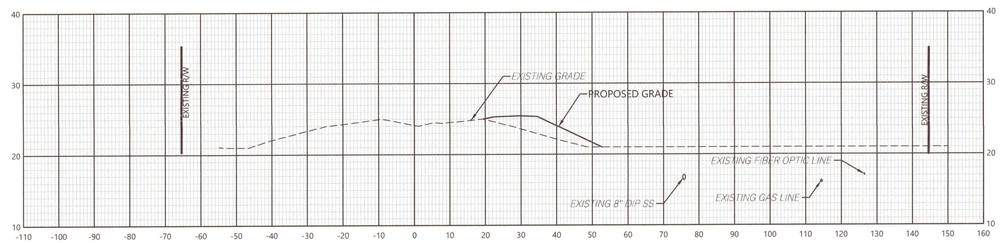

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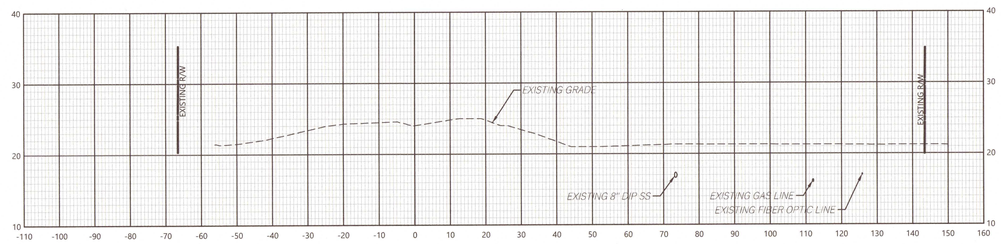

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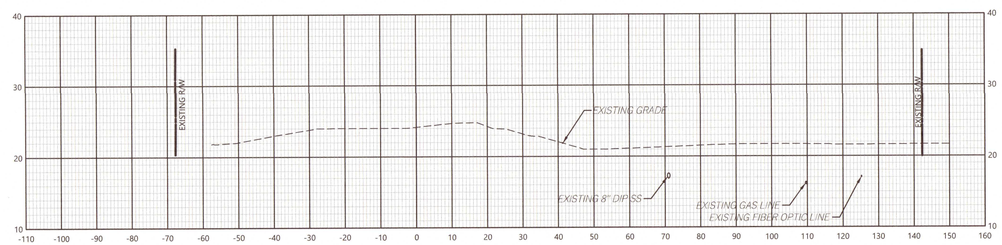

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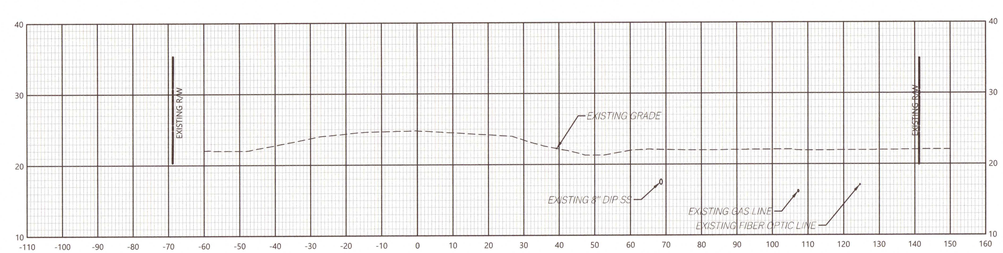

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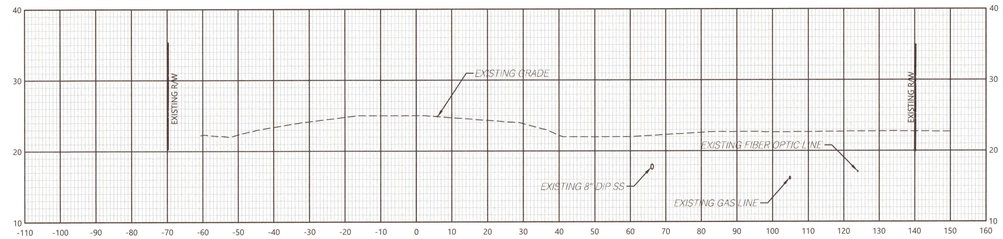

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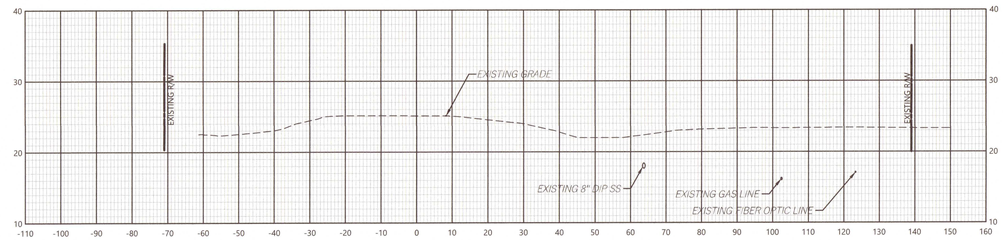

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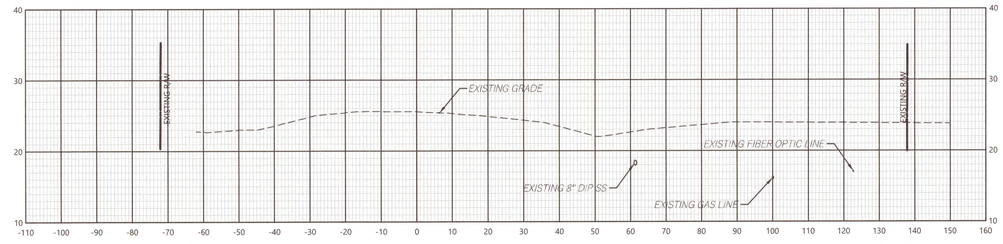

9+50.00

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MARIETTA, GA
30067
COA # PEC0009814

SEC 18, TSP 2S, RNG 31W
9500 W HIGHWAY 98
18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA VSI, LLC
BLUE ANGEL PLAZA
SITE DEVELOPMENT PLANS
SR 173-SECTIONS

DATE 10-26-2021

01-26-2022
03-02-2022
03-30-2022
04-29-2022
REVISIONS

JAMES A. LOWE
LICENSE
No 0044729
STATE OF FLORIDA
PROFESSIONAL ENGINEER

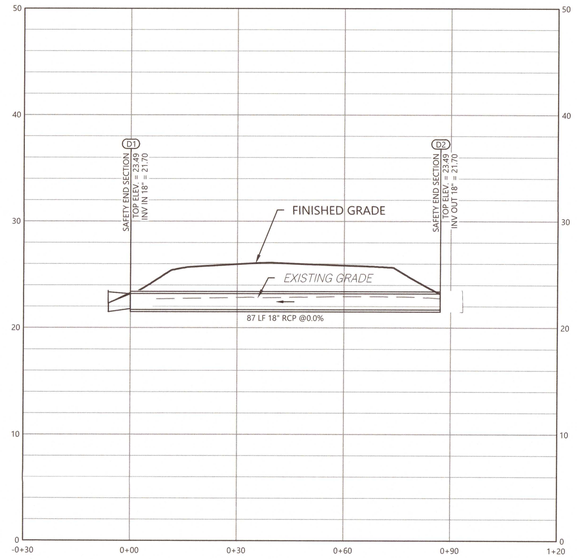
0 10' 20'
SCALE: 1" = 20'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C335

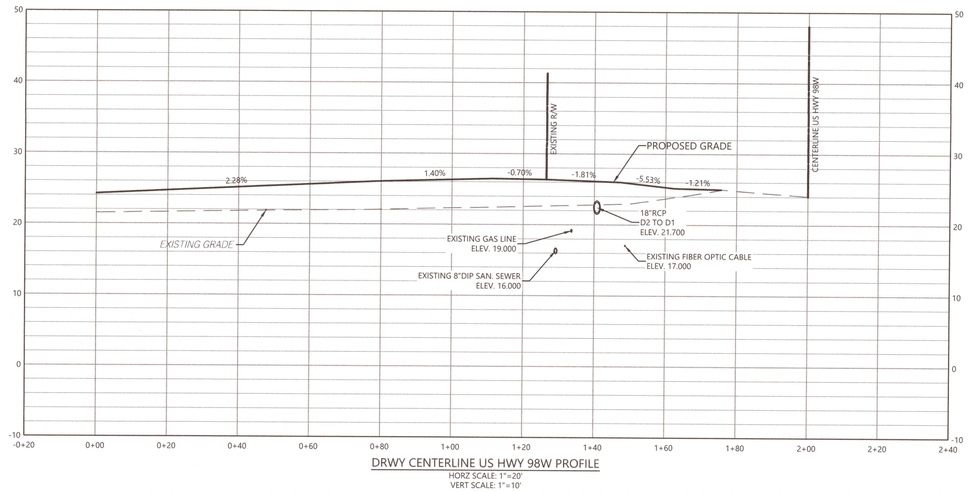
CAD FILE: 20001743-PIPES-B

NOT-ISSUED-FOR-CONSTRUCTION

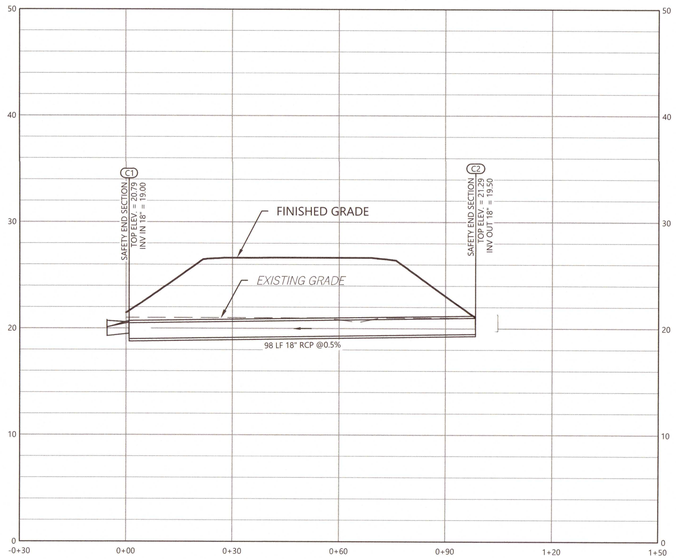
FILE NAME: K:\20001743 Panasonic Grocery - Blue Angel Pkwy\Design\Civil\01 DESIGN\20001743-PIPES-B.dwg LAST SAVED BY: hwright 4/29/2022 4:04 PM PLOTTED BY: Hank Wright 4/29/2022 PAPER: ARCH D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF.pc3 PLOT STYLE: ATWELL.ctb



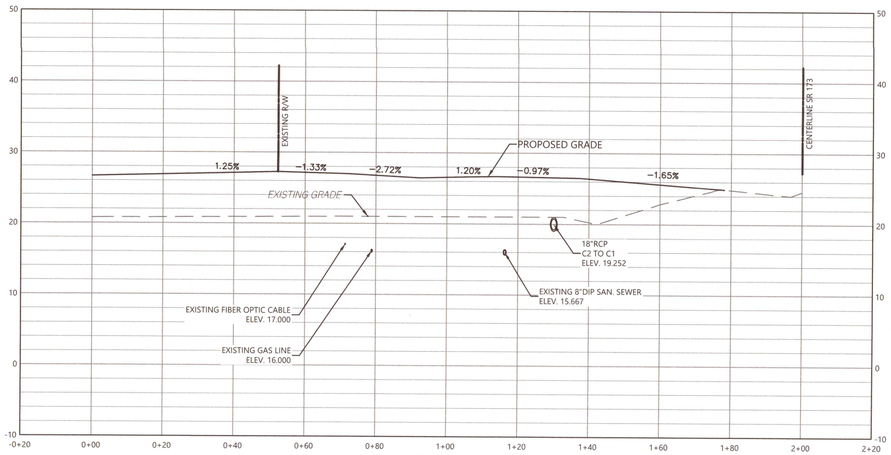
D1-D2 PROFILE
HORZ SCALE: 1"=30'
VERT SCALE: 1"=10'



DRWY CENTERLINE US HWY 98W PROFILE
HORZ SCALE: 1"=20'
VERT SCALE: 1"=10'



C PROFILE
HORZ SCALE: 1"=30'
VERT SCALE: 1"=10'



DRWY SR173 BAP PROFILE
HORZ SCALE: 1"=20'
VERT SCALE: 1"=10'

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CALL SUNSHINE
1-800-432-4770
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THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

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24 HOUR
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1800 PARKWAY PLACE, SUITE 700
MARIETTA, GA
30067
COA# PEF005804

SEC 18, TSP 2S, RNG 31W
9500 W HIGHWAY 98
18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA VSI, LLC
BLUE ANGEL PLAZA
SITE DEVELOPMENT PLANS
DRIVEWAY CENTERLINE PROFILES

DATE 10-26-2021

01-26-2022
03-02-2022
03-30-2022
04-29-2022

REVISIONS

JAMES A. LOWE
LICENSE
No 0044729
STATE OF FLORIDA
PROFESSIONAL ENGINEER

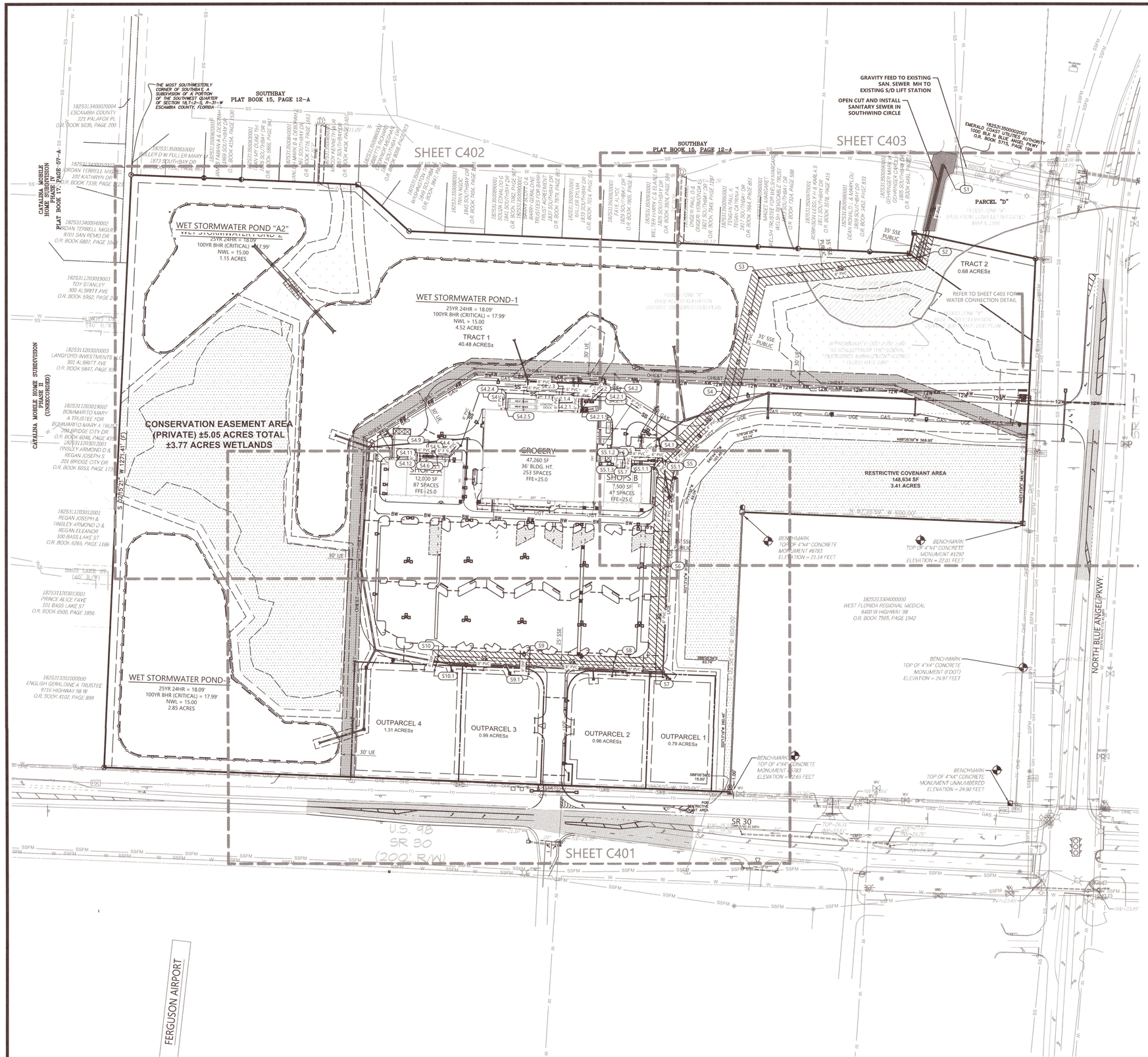
0 10' 20'
SCALE: 1"=20'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C336

CAD FILE: 20001743-PRES-B

NOT-ISSUED-FOR-CONSTRUCTION

FILE NAME: K:\20001743 Panasonic Grocery - Blue Angel Plaza\Design\CIVIL\03 SESSION\20001743-PRES-B.dwg LAST SAVED BY: hwright 4/29/2022 4:04 PM PLOTTED BY: Hope Wright 4/29/2022 PAPER: ARCH D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF 300DPI.PC3 PLOT STYLE: ATWELL.CTB

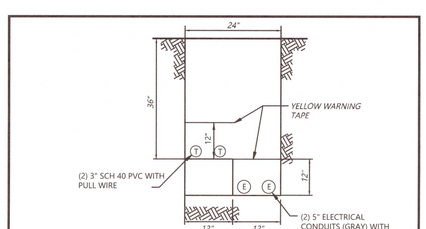


UTILITY LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY
- EXISTING SETBACK LINE
- PROPOSED RIGHT-OF-WAY
- PROPOSED SETBACK LINE
- CATV — CABLE LINE
- OHE — ELECTRIC OVERHEAD LINE
- UGE — ELECTRIC UNDERGROUND LINE
- GAS — GAS LINE
- SS — SEWER LINE
- #FM — SEWER FORCEMAIN #=SIZE
- OHT — TELEPHONE OVERHEAD LINE
- UGT — TELEPHONE UNDERGROUND LINE
- FO — FIBER OPTIC LINE
- #W — DOMESTIC WATER LINE #=SIZE
- #FW — FIRE WATER LINE #=SIZE
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEAN OUT
- POST INDICATOR VALVE
- WATER METER
- WATER BEND 45°
- WATER BEND 22.5°
- WATER BEND 11.25°
- WATER TEE
- GATE VALVE
- DDC — DOUBLE DETECTOR CHECK VALVE ASSEMBLY
- FIRE HYDRANT
- FDC — FIRE DEPARTMENT CONNECTION
- GREASE TRAP
- T — ELECTRICAL TRANSFORMER

UTILITY NOTES

1. THE SITE CONTRACTOR IS RESPONSIBLE FOR LOCATION, SIZE AND SPECIFICATIONS OF ALL ELECTRICAL TRANSFORMER PADS FROM THE LOCAL POWER COMPANY AND PROVIDING SERVICE FROM THE TRANSFORMER TO THE BUILDING.
2. CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS AND IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING UTILITIES DURING CONSTRUCTION AT NO EXTRA COST TO THE OWNER.
3. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OR OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS TO INCLUDE BUT NOT LIMITED TO ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.
4. ALL ELECTRIC, TELEPHONE AND GAS LINES, INCLUDING SERVICE LINES, ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE APPROPRIATE UTILITY COMPANIES SPECIFICATIONS.
5. CONTRACTOR TO COORDINATE INSTALLATION OF ALL UTILITIES BY OTHERS WITH HIS WORK.
6. PRIMARY ELECTRIC SERVICE AND TRANSFORMER IS PROVIDED BY THE POWER COMPANY. CONTRACTOR TO PROVIDE CONDUIT WITH PULL STRING AND TRANSFORMER PAD, TRENCHING, BACKFILL AND COMPACTION. CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND FEES ASSOCIATED WITH POWER SERVICE AS WELL AS SECONDARY SERVICE.
7. GAS LINES ARE INDICATED FOR COORDINATION ONLY. CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND FEES ASSOCIATED WITH GAS SERVICE.
8. GAS AND UNDERGROUND ELECTRIC LINES ARE SHOWN FOR COORDINATION ONLY. EXACT LOCATION WILL BE FIELD DETERMINED DURING CONSTRUCTION.
9. ANY UTILITIES NOT SHOWN THAT REQUIRE RELOCATION OR REMOVAL IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS TO REPORT ALL DISCREPANCIES TO THE ENGINEER IMMEDIATELY UPON DISCOVERY.



- BEDDING/BACKFILL MAY BE SOIL EXCAVATED FROM TRENCH.
- POWER ONLY TRENCH TO BE 12"X48" DEEP.
- COMMUNICATION/DATA ONLY TRENCH TO BE 12"X36" DEEP.
- WARNING TAPE SHALL BE PLACED 12" ABOVE EACH SET OF CONDUITS - TYP.

COMMON TRENCH DETAIL
POWER/COMUNICATION/DATA
N.T.S.

U4A

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ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
OVERALL UTILITY PLAN

DATE 10-26-2021

01-26-2022
03-02-2022
03-30-2022
04-29-2022

REVISIONS

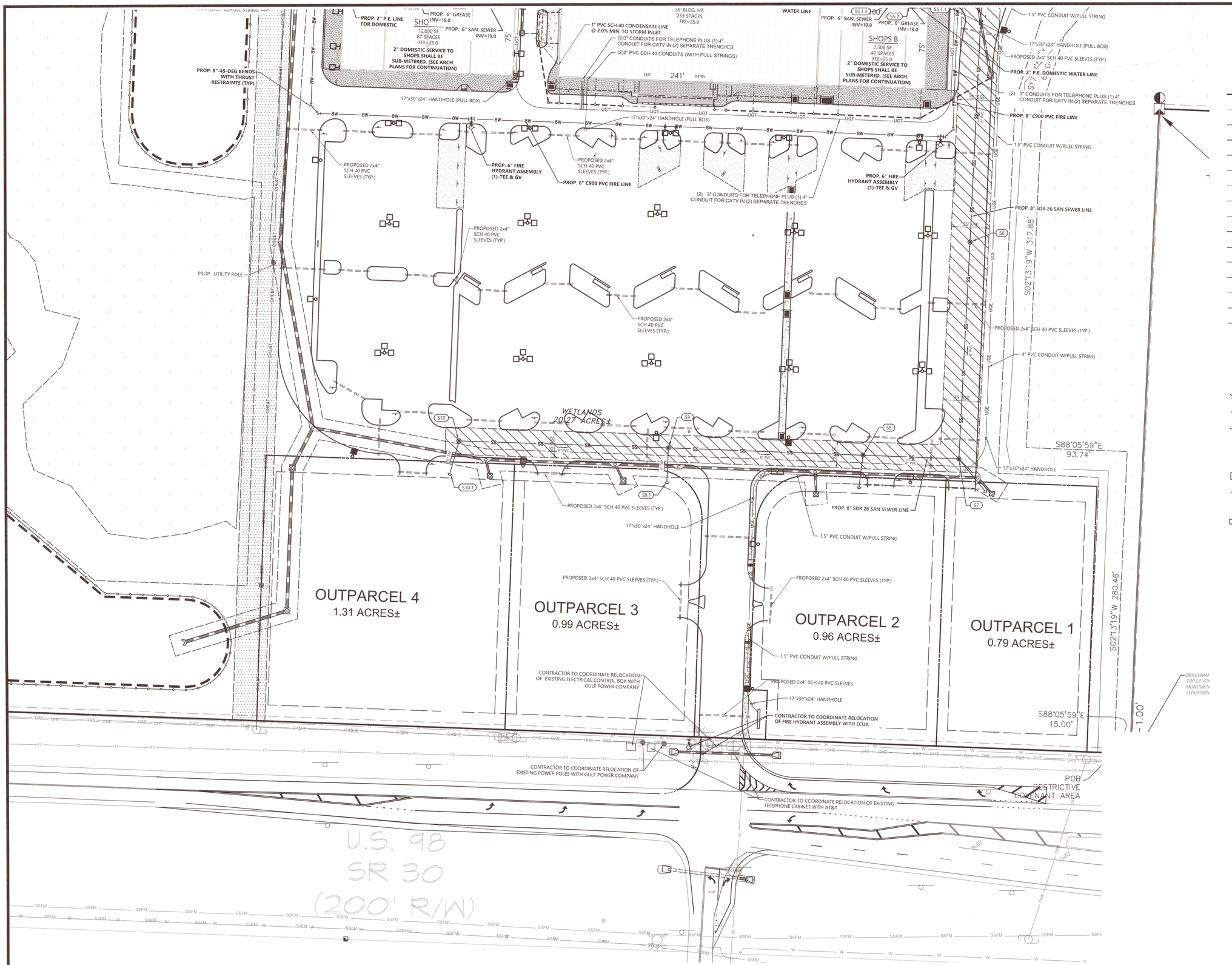
JAMES A. LOWE LICENSE No 0044729 STATE OF FLORIDA PROFESSIONAL ENGINEER

0 50' 100'
SCALE: 1"=100'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C400

NOT-ISSUED-FOR-CONSTRUCTION CAD FILE: 20001743-C400 UTILITY PLAN

FILE NAME: K:\20001743 Panasonic Grocery - Blue Angel Pkwy\Design\Civil\04 PRODUCTION\20001743-C400 UTILITY PLAN.dwg LAST SAVED BY: mwilson 4/14/2022 5:08 PM PLOTTED BY: Hans Wright 4/28/2022 PAPER: ARCH D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF 3000DPI.CTB



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SEC 18, TSP 2S, RNG 31W
9500 W HIGHWAY 98
18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
UTILITY PLAN-1

DATE 10-26-2021

01-26-2022
03-02-2022
03-30-2022
04-29-2022
REVISIONS

JAMES A. LOWE LICENSE No 0044729 STATE OF FLORIDA PROFESSIONAL ENGINEER

0 20' 40'
SCALE: 1"=40'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C401

NOT-ISSUED-FOR-CONSTRUCTION
CAD FILE: 20001743-C400 UTILITY PLAN

FILE NAME: P:\20001743 Panasonic Grocery - Blue Angel Pkwy\Design\Civil\04 PRODUCTION\20001743-C400 UTILITY PLAN.dwg LAST SAVED BY: rpatham 4/14/2021 3:48 PM PLOTTED BY: Hien Wright 4/29/2021 PAPER: ARCH D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF.SHX

WET STORMWATER POND "A2"

25YR 24HR = 18.09'
100YR 8HR (CRITICAL)
= 17.99'
NWL = 15.00
1.15 ACRES

WET STORMWATER POND-1

25YR 24HR = 18.09'
100YR 8HR (CRITICAL)
= 17.99'
NWL = 15.00
4.52 ACRES

TRACT 1
40.48 ACRES±

EXISTING 20' STORM EASEMENT TO SOUTH BAY S/D

SERVICE DRIVE

LOADING DOCK

WB-67 TRUCK

WB-67 TRUCK

RAMP

RAMP

GROCERY
47,260 SF
36' BLDG. HT.
253 SPACES
FFE=25.0

SHC
12,000 SF
87 SPACES
FFE=25.0

SHOPS B
7,500 SF
47 SPACES
FFE=25.0

241'

160'

75'

75'

PROP. (2) 1500 GAL GREASE TRAPS

PROP. (2) 1250 GAL GREASE TRAPS

PROP. 8' X 8' CONCRETE TRANSFORMER PAD

PROP. 1.5" PLASTIC GAS SERVICE LINE

PROP. STANDBY "BAG" GENERATOR W/TANK

PROP. 8" SDR 26 SAN SEWER LINE

PROP. 8" C900 FIRE LINE

PROP. 2" P.E. DOMESTIC WATER LINE INTO RISER ROOM

PROP. 8" C900 PVC FIRE LINE

PROP. 2" P.E. DOMESTIC WATER LINE

PROP. 8" C900 PVC FIRE LINE FROM FDC

PROP. 8" PIV

PROP. 8" FDC

PROP. 4" x 2.5" REDUCER

PROP. DOM. 2.5" RPZ (SEE C700) W/ FREEZE PROTECTION INSULATED COVER (TO BE INSTALLED BY OWNER)

PROP. 6" FIRE HYDRANT ASSEMBLY (1)-TEE & GV

PROP. 2.5" P.E. DOM. WATER LINE

PROP. 8" C900 PVC FIRE LINE FROM FDC

PROP. 8" FDC

PROP. 8" PIV

PROP. 8"x8" TEE W/CONC. THRUST BLOCK (1)-8" PIV & GV

PROP. 8"-45° BEND WITH THRUST RESTRAINTS (TYP)

PROP. 6" FDC

PROP. 6" GV

PROP. 6" PIV

PROP. 6" FIRE HYDRANT ASSEMBLY (1)-TEE & GV

PROP. 6" FIRE HYDRANT ASSEMBLY (1)-90° BEND W/THRUST BLOCK (3)-GV

PROP. 8"-45-DEG BENDS WITH THRUST RESTRAINTS (TYP)

PROP. 6" C900 FIRE LINE

PROP. 2" P.E. DOMESTIC

PROP. 6" C900 FIRE WATER LINE

PROP. 6" GREASE INV=19.0

PROP. 6" SAN. SEWER INV=19.0

PROP. 6" SAN. SEWER INV=19.0

PROP. 6" PVC WASTE INV=19.0

PROP. 6" PVC WASTE INV=19.0

PROP. 6" PVC GREASE LINE INV=19.0

PROP. 4" PVC SAN. SEWER INV=19.4

PROP. 3" PVC CONDENSATE INV=19.4

PROP. 10" HDPE FROM DOWNSPOUT INV=19.0

PROP. 10" HDPE FROM DOWNSPOUT INV=19.0

PROP. 1.5" PLASTIC GAS SERVICE LINE

PROP. 1.5" PLASTIC GAS SERVICE LINE

PROP. 1.5" PLASTIC GAS SERVICE LINE

PROP. 1.5" GAS SERVICE @ 5 PSI

PROP. EMERGENCY GENERATOR PAD

8' X 8' CONCRETE TRANSFORMER PAD

8' X 8' CONCRETE TRANSFORMER PAD

RISER ROOM GREASE BARREL 8' x 5' CONC. PAD

2.5" DOMESTIC SERVICE TO GROCER SHALL BE SUB-METERED. (SEE ARCH. PLANS FOR CONTINUATION)

2" DOMESTIC SERVICE TO SHOPS SHALL BE SUB-METERED. (SEE ARCH. PLANS FOR CONTINUATION)

2" DOMESTIC SERVICE TO SHOPS SHALL BE SUB-METERED. (SEE ARCH. PLANS FOR CONTINUATION)

1" PVC SCH 40 CONDENSATE LINE @ 2.0% MIN. TO STORM INLET

(2)3" CONDUITS FOR TELEPHONE PLUS (1) 4" CONDUIT FOR CATV IN (2) SEPARATE TRENCHES

(2)2" PVC SCH 40 CONDUITS (WITH PULL STRINGS)

(2) 3" CONDUITS FOR TELEPHONE PLUS (1) 4" CONDUIT FOR CATV IN (2) SEPARATE TRENCHES

(2) 3" CONDUITS FOR TELEPHONE PLUS (1) 4" CONDUIT FOR CATV IN (2) SEPARATE TRENCHES

17"x30"x24" HANDHOLE (PULL BOX)

17"x30"x24" HANDHOLE (PULL BOX)

17"x30"x24" HANDHOLE (PULL BOX)

1.5" PVC CONDUIT W/PULL STRING

1.5" PVC CONDUIT W/PULL STRING

1.5" PVC CONDUIT W/PULL STRING

PROPOSED 2x4" SCH 40 PVC SLEEVES (TYP.)

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PROPOSED 2x4" SCH 40 PVC SLEEVES (TYP.)

PROP. 6" FIRE HYDRANT ASSEMBLY (1)-TEE & GV

PROP. 6" FIRE HYDRANT ASSEMBLY (1)-TEE & GV

PROP. 8" C900 PVC FIRE LINE

PROP. 8" C900 PVC FIRE LINE

PROP. 8" SDR 26 SAN SEWER LINE

PROP. 8" SDR 26 SAN SEWER LINE

PROP. UTILITY POLE

PROP. UTILITY POLE

PROP. UTILITY POLE

PROP. UTILITY POLE

PROP. UTILITY PC

PROP. TEST MH

PROP. 1.5" PLASTIC GAS SERVICE LINE

PROP. 2" PLASTIC GAS SERVICE LINE

PROP. 8" C900 FIRE LINE

PROP. (2) 1250 GAL GREASE TRAPS

PROP. 2" P.E. DOMESTIC WATER LINE

PROP. 8" C900 PVC FIRE LINE

PROP. 8" SDR 26 SAN SEWER LINE

17"x30"x24" HANDHOLE (PULL BOX)

1.5" PVC CONDUIT W/PULL STRING

PROPOSED 2x4" SCH 40 PVC SLEEVES (TYP.)

(2) 3" CONDUITS FOR TELEPHONE PLUS (1) 4" CONDUIT FOR CATV IN (2) SEPARATE TRENCHES

1.5" PVC CONDUIT W/PULL STRING

PROP. 1.5" PLASTIC GAS SERVICE LINE

PROP. 6" C900 FIRE LINE

PROP. 2" P.E. DOMESTIC

PROP. 6" SAN. SEWER INV=19.0

PROP. 6" GREASE INV=19.0

PROP. 6" C900 FIRE WATER LINE

PROP. 6" FDC

PROP. 6" GV

PROP. 6" PIV

PROP. 6" FIRE HYDRANT ASSEMBLY (1)-TEE & GV

PROP. 8"-45° BEND WITH THRUST RESTRAINTS (TYP)

PROP. 8"-45-DEG BENDS WITH THRUST RESTRAINTS (TYP)

8' X 8' CONCRETE TRANSFORMER PAD

1.5" PVC CONDUIT W/PULL STRING

PROP. (2) 1250 GAL GREASE TRAPS

PROP. 6" PIV

PROP. 6" FDC

PROP. 6" GV

PROP. 6" FIRE HYDRANT ASSEMBLY (1)-90° BEND W/THRUST BLOCK (3)-GV

PROP. 8" C900 FIRE LINE

PROP. (2) 1250 GAL GREASE TRAPS

17"x30"x24" HANDHOLE (PULL BOX)

1.5" PVC CONDUIT W/PULL STRING

17"x30"x24" HANDHOLE (PULL BOX)

PROPOSED 2x4" SCH 40 PVC SLEEVES (TYP.)

PROP. 2" P.E. DOMESTIC WATER LINE

(2) 3" CONDUITS FOR TELEPHONE PLUS (1) 4" CONDUIT FOR CATV IN (2) SEPARATE TRENCHES

PROP. 8" C900 PVC FIRE LINE

1.5" PVC CONDUIT W/PULL STRING

PROP. 8" SDR 26 SAN SEWER LINE

PROP. 6" FIRE HYDRANT ASSEMBLY (1)-TEE & GV

PROP. 8" C900 PVC FIRE LINE

(2) 3" CONDUITS FOR TELEPHONE PLUS (1) 4" CONDUIT FOR CATV IN (2) SEPARATE TRENCHES

PROP. 8" SDR 26 SAN SEWER LINE

PROP. 6" FIRE HYDRANT ASSEMBLY (1)-TEE & GV

PROP. 8" C900 PVC FIRE LINE

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PROP. 8" C900 FIRE LINE

PROP. (2) 1250 GAL GREASE TRAPS

17"x30"x24" HANDHOLE (PULL BOX)

1.5" PVC CONDUIT W/PULL STRING

PROPOSED 2x4" SCH 40 PVC SLEEVES (TYP.)

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PROP. 8" C900 PVC FIRE LINE

PROP. 8" SDR 26 SAN SEWER LINE

PROP. 6" FIRE HYDRANT ASSEMBLY (1)-90° BEND W/THRUST BLOCK (3)-GV

SOUTHBAY
PLAT BOOK 15, PAGE 12-A

SOUTH BAY DR. (60' R/W)

PARCEL "D"

TRACT 2
0.68 ACRES±

RESTRICTIVE COVENANT AREA
148,634 SF
3.41 ACRES

MILL AND OVERLAY 1.5" SP12.5 ASPHALT PER ESCAMBIA COUNTY SPECIFICATIONS.

CONTRACTOR TO CORE DRILL AND CONNECT TO EXISTING SSMH. COORDINATE CONNECTION WITH ECUA INSPECTOR

SEE OPEN-CUT DETAIL SHEET C704

CONSTRUCT 12' WIDE, 6" THICK GRAVEL ROADWAY ON 6" STABILIZED SUBGRADE PER ESCAMBIA COUNTY SPECIFICATIONS.

MANHOLE TO HAVE LOCKING RING AND COVER

EXISTING 20' STORM EASEMENT TO SOUTH BAY S/D

PROP. 4" MJ VALVE

(S)N54°58'19"W(E) 320.21' (F&D)

N02°10'00"E 175.00' (F&D)

S 02°38'47" W 29

N 87°35'59" W 600.00'

EXISTING UTILITY POLE. CONTRACTOR TO COORDINATE OVERHEAD TELEPHONE AND POWER PRIMARY SERVICE ROUTE WITH AT&T AND GULF POWER RESPECTIVELY. (ROUTE SHOWN IS APPROXIMATE)

PROP. AREA FOR LARGE WATER METER VAULTS WILL BE ACCESSED PER ECUA'S WATER METER VAULT ACCESS AGREEMENT

PROP. 2" IRRIGATION METER & ENCLOSED BACKFLOW DEVICE

PROP. 3" DOMESTIC METER VAULT & ENCLOSED BACKFLOW DEVICE (REDUCED PRESSURE PRINCIPLE WITH INSULATION JACKET - SEE SHEET C705) (TYP. FOR GROCER & SHOPS - BACKFLOW TO BE INSTALLED BY OWNER)

PROPOSED WATER METERS ARE NOT TO BE ENCLOSED BY FENCE OR OBSTRUCTED BY SHRUBS/TREES

OWNER'S CONTROL VALVES (TYP.)

SEE IRRIGATION PLAN FOR LINE CONTINUATION

PROP. 4" C900 WATER LINE

PROP. 12" C900 WATER LINE

PROPOSED FIRE HYDRANT

PROPOSED 12" ZURN =350 DA DOUBLE DETECTOR CHECK VALVE ASSEMBLY IN FROST PROOF CABINET ECUA CONTROL VALVE

1" CONDUIT UGE

17"x30"x24" HANDHOLE

1" PVC CONDUIT FOR SIGN

1.5" PVC CONDUIT W/PULL STRING

CONTRACTOR TO COORDINATE WITH PENSACOLA ENERGY FOR GAS CONECTION (ROUTE SHOWN IS APPROXIMATE)

ECUA CONTROL VALVE

PROP. 2" MJ VALVE

PROP. 10'x6' JACK-N-BORE PIT

PROP. 12" DIP WATER LINE

PROP. 12" DIP WATER LINE IN A 20" STEEL CASING WITH SPACERS

PROP. 12" DIP WATER LINE

CONTRACTOR TO PROVIDE VERTICAL BEND(S) UNDER EXISTING 24" LINE TO SERVE PROJECT SITE

12"x12" TAPPING SLEEVE AND VALVE. CONTRACTOR TO COORDINATE CONNECTION WITH EMERALD COAST UTILITIES AUTHORITY (ECUA).

PROP. 8'x5' JACK-N-BORE RECEIVING PIT

EXISTING 24" WATER TRANSMISSION MAIN

EXISTING 12" WATER DISTRIBUTION MAIN

BLUE ANGEL PKWY (R/W WIDTH VARIES)

SR 295

PROP. 2" P.E. DOMESTIC WATER LINE INTO RISER ROOM

PROP. 8" C900 PVC FIRE LINE

PROP. UTILITY POLE

PROP. TEST MH

PROP. 2" PLASTIC GAS SERVICE LINE

PROP. (2) 1500 GAL GREASE TRAPS

8' X 8' CONCRETE TRANSFORMER PAD

PROP. 1.5" PLASTIC GAS SERVICE LINE

PROP. STANDBY "BAG" GENERATOR W/TANK

PROP. 6" PIV

PROP. 6" FDC

PROP. 6" GV

PROP. 6" FIRE HYDRANT ASSEMBLY (1)-90° BEND W/THRUST BLOCK (1)-GV

PROP. 8" SDR 26 SAN SEWER LINE

PROP. 8" C900 FIRE LINE

PROP. (2) 1250 GAL GREASE TRAPS

17"x30"x24" HANDHOLE (PULL BOX)

1.5" PVC CONDUIT W/PULL STRING

PROP. 2" PLASTIC GAS SERVICE LINE

1.5" PVC CONDUIT W/PULL STRING

17"x30"x24" HANDHOLE (PULL BOX)

PROPOSED 2x4" SCH 40 PVC SLEEVES (TYP.)

PROP. 2" P.E. DOMESTIC WATER LINE

(2) 3" CONDUITS FOR TELEPHONE PLUS (1) 4" CONDUIT FOR CATV IN (2) SEPARATE TRENCHES

PROP. 8" C900 PVC FIRE LINE

1.5" PVC CONDUIT W/PULL STRING

PROP. 6" FIRE HYDRANT ASSEMBLY (1)-TEE & GV

PROP. 8" SDR 26 SAN SEWER LINE

PROP. 6" SAN. SEWER INV=19.0

PROP. 6" GREASE INV=19.0

SHOPS B
7,500 SF
47 SPACES
FFE=25.0
2" DOMESTIC SERVICE TO SHOPS SHALL BE SUB-METERED. (SEE ARCH. PLANS FOR CONTINUATION)

TOP=23.0' LIFT STATION

FLOOD ZONE "X" BASE FLOOD ELEVATION OUTSIDE 100 YEAR FLOOD PLAIN

APPROXIMATE FLOOD ZONE LINE AS SCALED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD RATE MAP

BENCHMARK
TOP OF 4"X4" CONCRETE MONUMENT #6783
ELEVATION = 21.14 FEET

BENCHMARK
TOP OF 4"X4" CONCRETE MONUMENT #1292
ELEVATION = 22.01 FEET

UTILITY LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY
- PROPOSED SETBACK LINE
- CATV — CABLE LINE
- OHE — ELECTRIC OVERHEAD LINE
- UGE — ELECTRIC UNDERGROUND LINE
- GAS — GAS LINE
- SS — SEWER LINE
- #FM — SEWER FORCEMAIN #=SIZE
- OHT — TELEPHONE OVERHEAD LINE
- UGT — TELEPHONE UNDERGROUND LINE
- #W — DOMESTIC WATER LINE #=SIZE
- #FW — FIRE WATER LINE #=SIZE
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEAN OUT
- POST INDICATOR VALVE
- WATER METER
- WATER BEND 45°
- WATER BEND 22.5°
- WATER BEND 11.25°
- WATER TEE
- GATE VALVE
- DDC — DOUBLE DETECTOR CHECK VALVE ASSEMBLY
- FIRE HYDRANT
- FDC — FIRE DEPARTMENT CONNECTION
- GREASE TRAP
- T — ELECTRICAL TRANSFORMER

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ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA

BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
UTILITY PLAN-3

DATE
10-26-2021
01-26-2022
03-02-2022
03-30-2022
04-29-2022
REVISIONS

JAMES A. LOWE LICENSE No 0044729 STATE OF FLORIDA PROFESSIONAL ENGINEER

0 #' ##'
SCALE: 1"=##'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C403

CAD FILE: 20001743-C400 UTILITY PLAN

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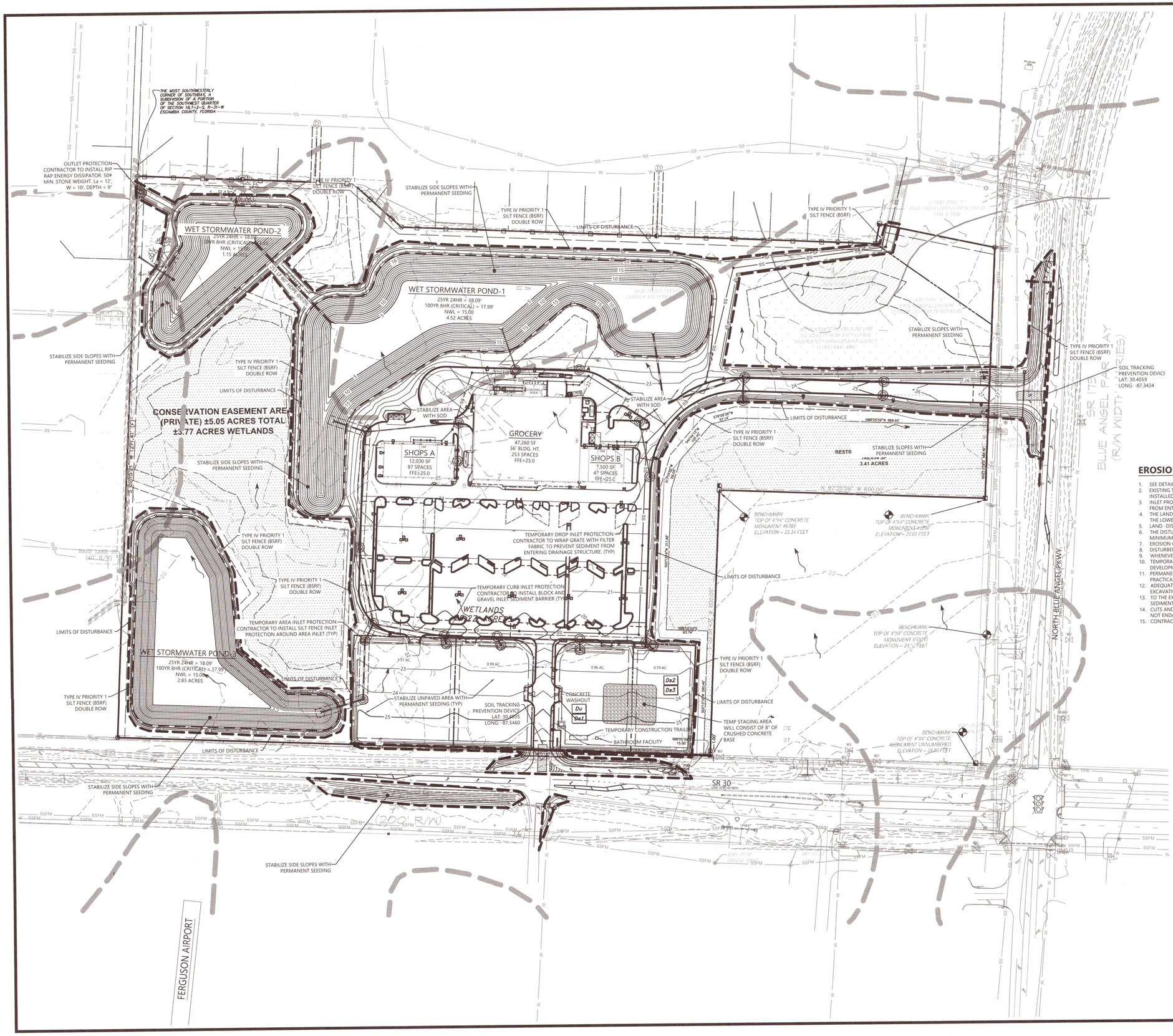

EROSION CONTROL DATA

PROJECT SITE AREA 45.300 AC
TOTAL DISTURBED AREA 25.63 AC

NARRATIVE: LAND DISTURBING ACTIVITIES INCLUDE THE CLEARING AND GRUBBING, CONSTRUCTION OF A NEW COMMERCIAL BUILDINGS, PAVED PARKING AND DRIVES, INSTALLATION OF STORMWATER MANAGMENT SYSTEM AND INSTALLATION OF UTILITIES. PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED FIRST BEFORE LAND DISTURBANCE ACTIVITIES BEGIN.

SOIL SERIES

4	PICKNEY SAND
11	HURRICANE SAND, 0-5% SLOPES
16	ARENTS-URBAN LAND COMPLEX

PER CODE ALL VIABLE, PROTECTED TREES SHALL REMAIN ON SITE AND ANY LAND CLEARING - "LAND DISTURBING ACTIVITES" INCLUDING THE PLACEMENT OF FILL/ FILL MATERIALS, GRADING, EXCAVATING, ETC. SHALL NOT OCCUR UNTIL SUCH TIMES AS APPROPRIATE PERMIT(S) ARE ISSUED FOR THE PURPOSE OF SITE WORK.

EROSION LEGEND

SOIL TRACKING PREVENTION DEVICE	
STAGING AREA	
LIMITS OF DISTURBANCE	
SOIL DELINEATION LINE	
SOIL TYPE SERIES	11
TYPE IV SILT FENCE	SF
TEMPORARY INLET PROTECTION	

EROSION CONTROL NOTES

1. SEE DETAILS ON SHEET C800.
2. EXISTING TREES WITHIN THE LIMITS OF DISTURBANCE ARE TO BE REMOVED ONCE THE PERIMETER CONTROLS ARE INSTALLED.
3. INLET PROTECTION - CONTRACTOR TO WRAP ALL INLET GRATES WITH FILTER FABRIC TO PREVENT SEDIMENT FROM ENTERING DRAINAGE STRUCTURE (TYP.)
4. THE LAND-DISTURBING ACTIVITY SHALL CONFORM TO EXISTING TOPOGRAPHY AND SOIL TYPE SO AS TO CREATE THE LOWEST PRACTICAL EROSION POTENTIAL.
5. LAND - DISTURBING ACTIVITIES SHALL BE CONDUCTED IN A MANNER MINIMIZING EROSION.
6. THE DISTURBED AREA AND THE DURATION OF EXPOSURE TO EROSIVE ELEMENTS SHALL BE KEPT TO A PRACTICAL MINIMUM.
7. EROSION CONTROL MUST BE STRICTLY MAINTAINED DURING CUT AND FILL OPERATIONS.
8. DISTURBED SOIL SHALL BE STABILIZED AS QUICKLY AS PRACTICAL.
9. WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED, PROTECTED AND SUPPLEMENTED.
10. TEMPORARY VEGETATION OR MULCHING SHALL BE EMPLOYED TO PROTECT EXPOSED CRITICAL AREAS DURING DEVELOPMENT.
11. PERMANENT VEGETATION AND STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSTALLED AS SOON AS PRACTICAL.
12. ADEQUATE PROVISIONS MUST BE PROVIDED TO MINIMIZE DAMAGE FROM SURFACE WATER TO CUT THE FACE OF EXCAVATIONS OR THE SLOPING SURFACE OF FILLS.
13. TO THE EXTENT NECESSARY, SEDIMENT IN RUNOFF WATER MUST BE TRAPPED BY THE USE OF DEBRIS BASINS, SEDIMENT BASINS, SILT TRAPS OR SIMILAR MEASURES UNTIL THE DISTURBED AREA IS STABILIZED.
14. CUTS AND FILLS MUST BE CONSTRUCTED IN SUCH A MANNER THAT EROSION AND RUNOFF FROM THE SITE DOES NOT ENDANGER ADJOINING PROPERTY.
15. CONTRACTOR TO PLACE SILT FENCE IN ALL AREAS WHERE THE POTENTIAL FOR OFFSITE EROSION EXISTS.

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ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
SWPPP

DATE 10-26-2021
01-26-2022
03-02-2022
03-30-2022
04-29-2022
REVISIONS

JAMES A. LOWE LICENSE No 0044729 STATE OF FLORIDA PROFESSIONAL ENGINEER

0 50' 100'
SCALE: 1"=100'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C500

CAD FILE: 20001743-C510 EROSION PHASE 2
NOT-ISSUED-FOR-CONSTRUCTION

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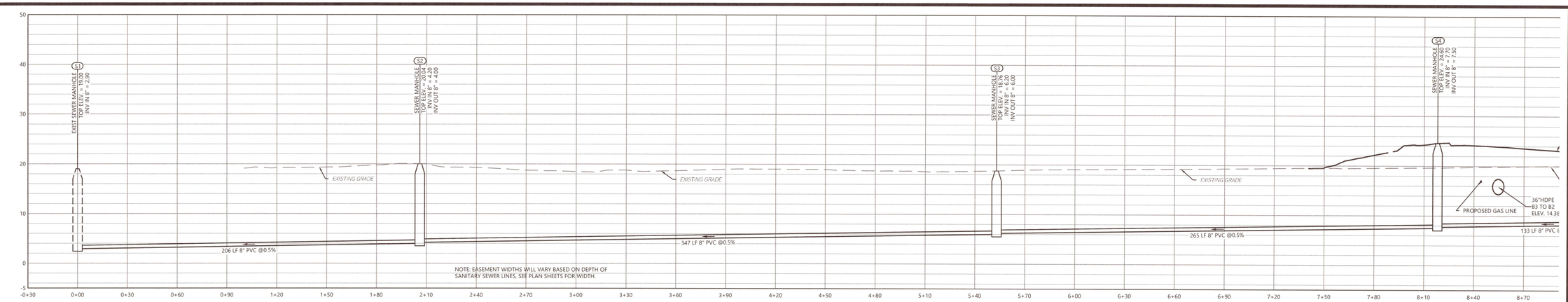
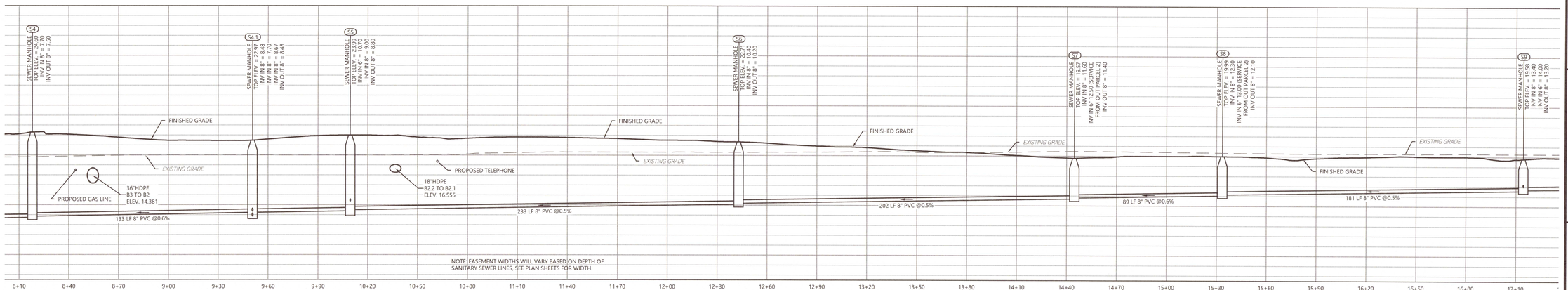
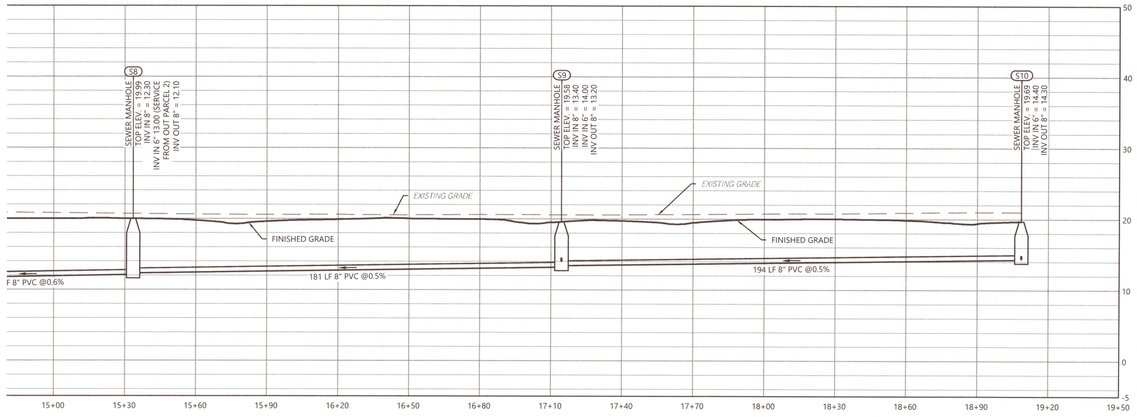




SAN SEWER EX-S10 PROFILE

HORZ SCALE: 1"=30'
VERT SCALE: 1"=10'



SEWER PROFILE LEGEND

PROPOSED GRADE

EXISTING GRADE

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BLUE ANGEL PLAZA
SITE DEVELOPMENT PLANS
SANITARY SEWER PROFILES

DATE
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01-26-2022
03-02-2022
03-30-2022
04-29-2022

REVISIONS

JAMES A. LOWE
LICENSE
No 0044729
STATE OF FLORIDA
PROFESSIONAL ENGINEER

0 15' 30'
SCALE: 1"=30'

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CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C600

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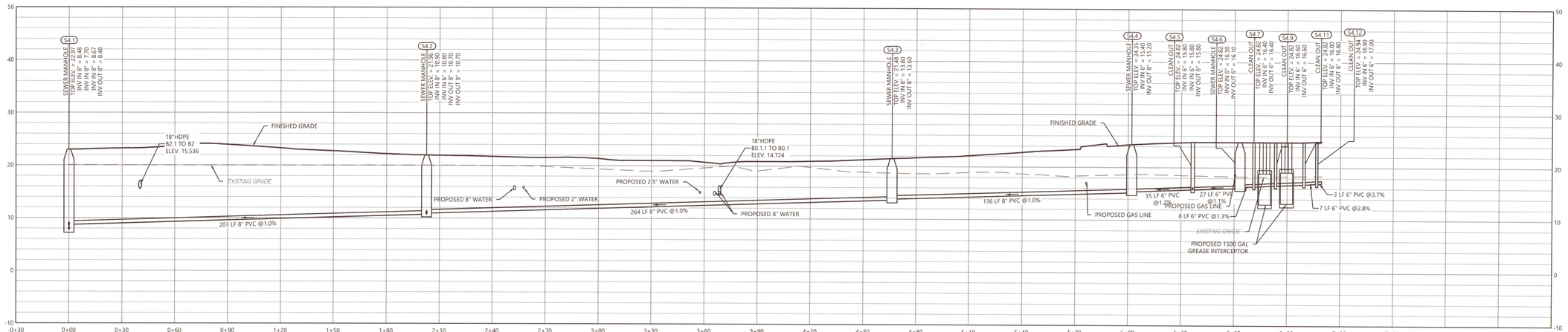

SAN SEWER S4.1-S4.11 PROFILE
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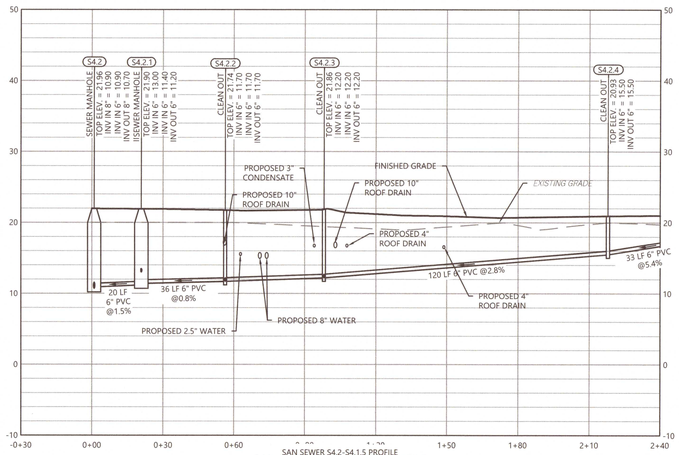
VERT SCALE: 1"=10'
HORZ SCALE: 1"=30'
VERT SCALE: 1"=10'



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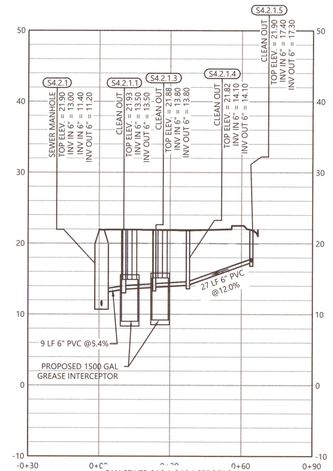

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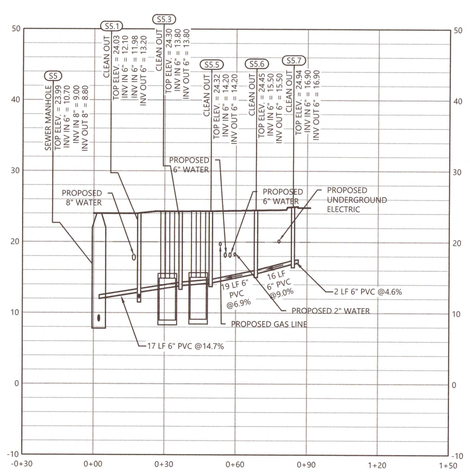

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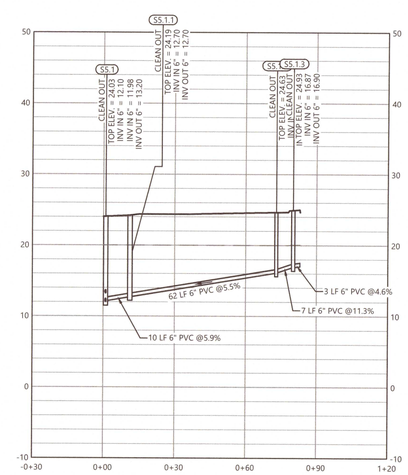

SAN SEWER S5.1-S5.1.3 PROFILE
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SEWER PROFILE LEGEND

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EXISTING GRADE

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SANITARY SEWER PROFILES

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JOB #: 20001743
FILE CODE: ##
SHEET NO. C601

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CAD FILE: 20001743-PIPES-S

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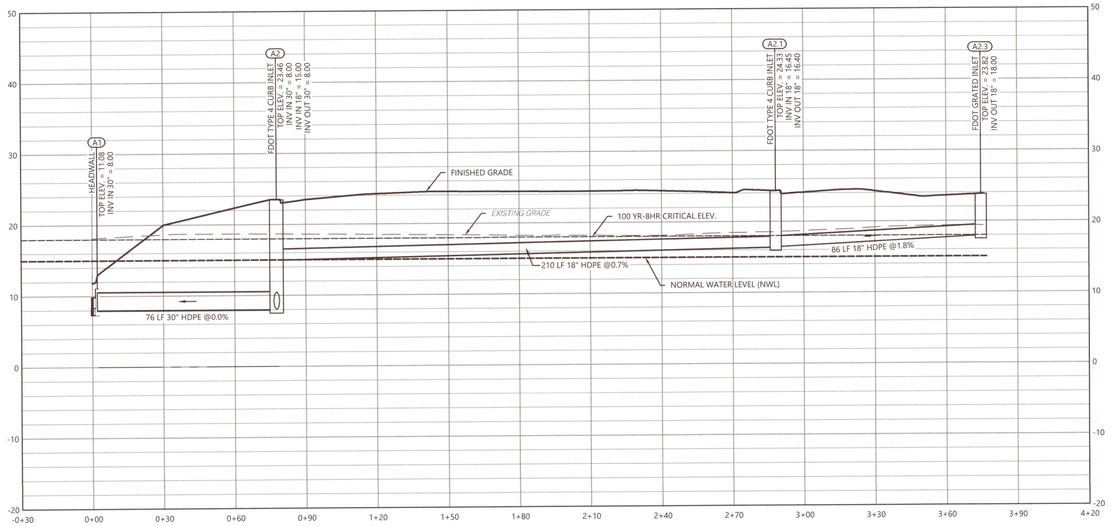

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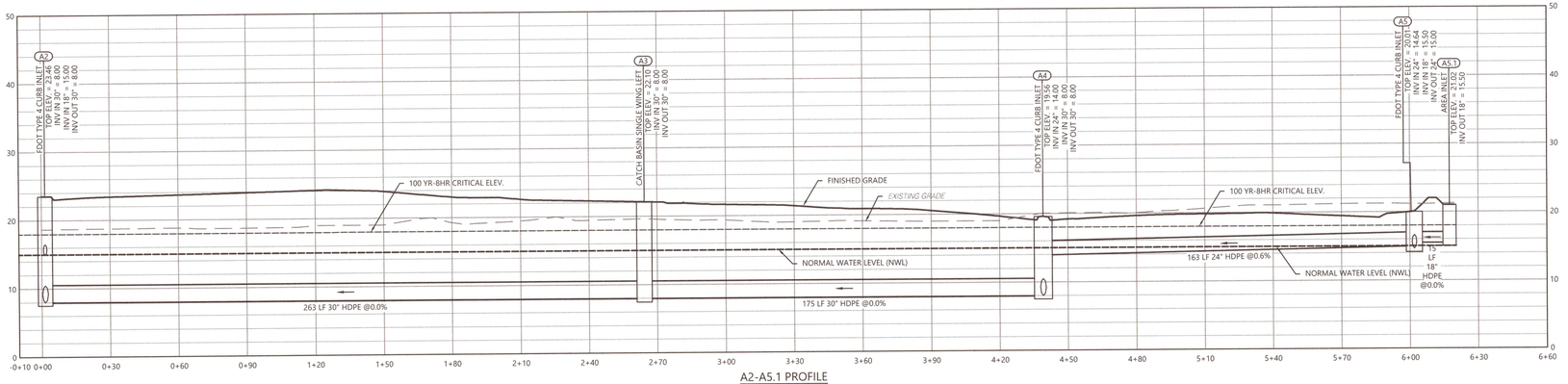

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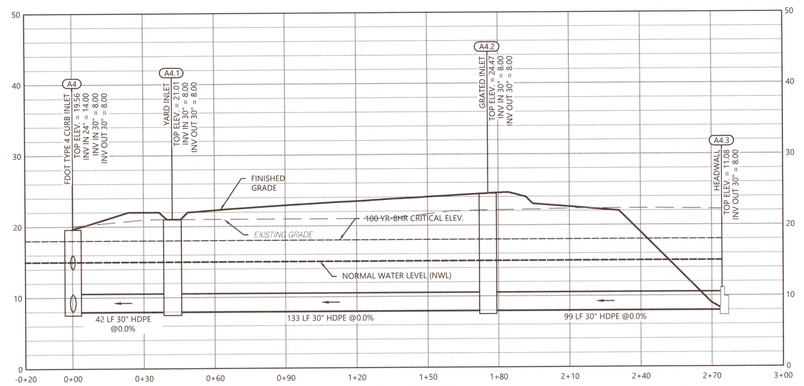

A4-A4.3 PROFILE
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STORM PROFILE LEGEND

- PROPOSED GRADE
- EXISTING GRADE
- 25 YEAR HGL LINE

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COA # 2230004

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9500 W HIGHWAY 98
18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA VSI, LLC
BLUE ANGEL PLAZA
SITE DEVELOPMENT PLANS
STORM PROFILES

DATE
10-26-2021

01-26-2022
03-02-2022
03-30-2022
04-29-2022

REVISIONS

JAMES A. LOWE
LICENSE
No 0044729
STATE OF FLORIDA
PROFESSIONAL ENGINEER

0 15' 30'
SCALE: 1"=30'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C630

NOT-ISSUED-FOR-CONSTRUCTION
CAD FILE: 20001743-PIPES-B

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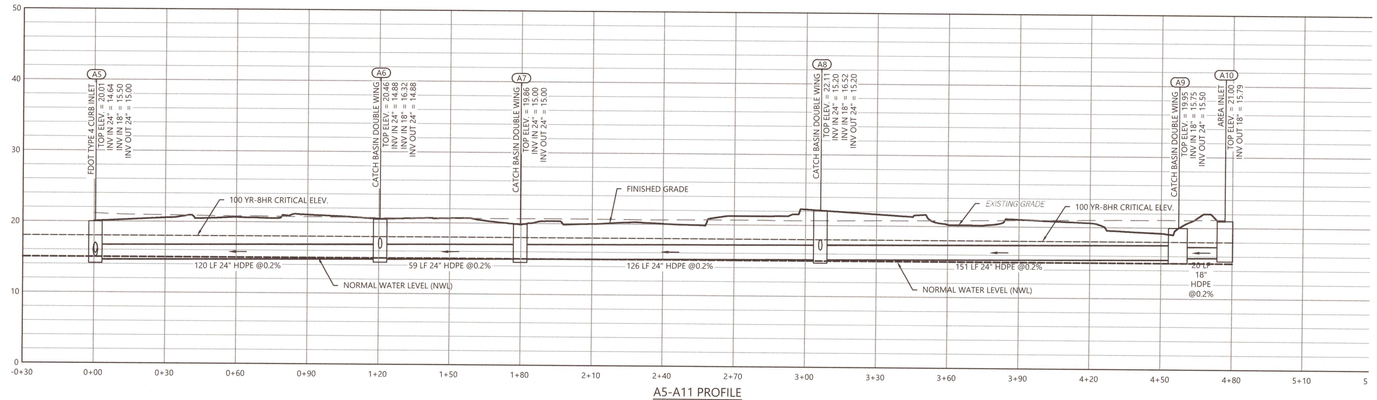

A5-A11 PROFILE
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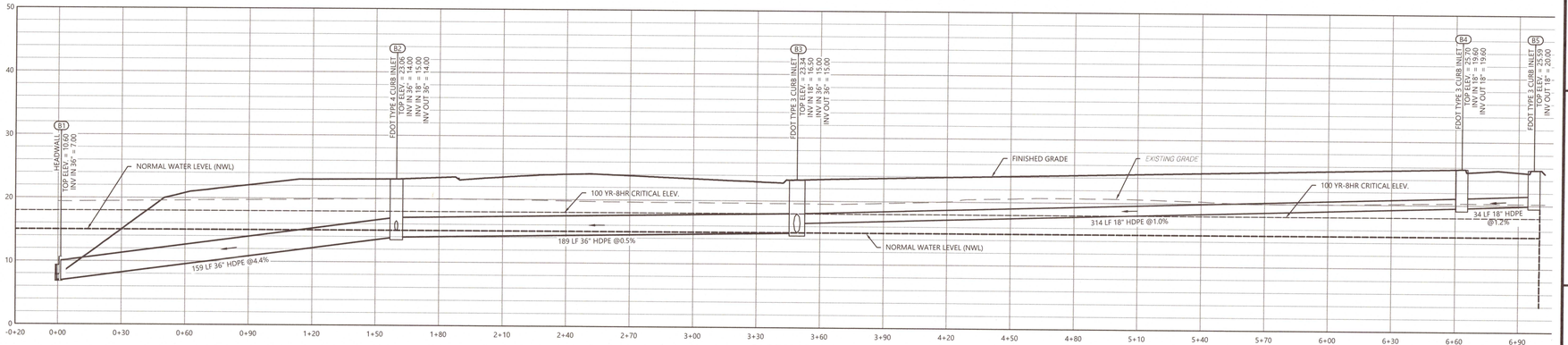
VERT SCALE: 1"=10'



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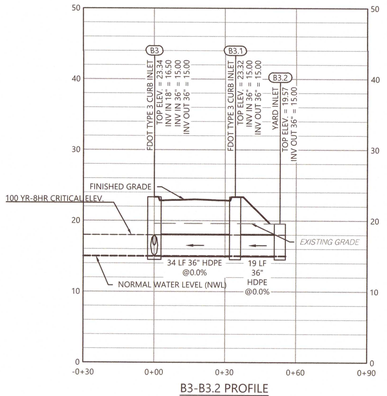
VERT SCALE: 1"=10'



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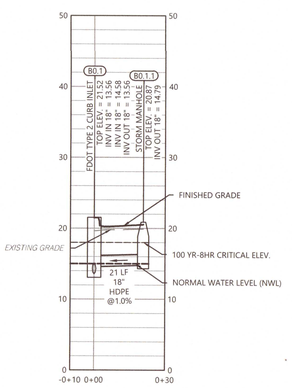

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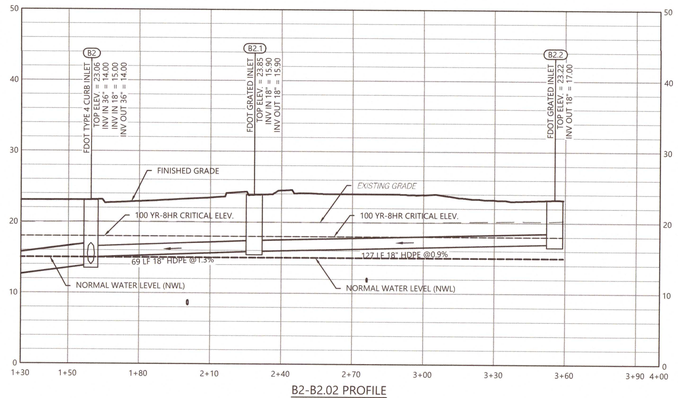

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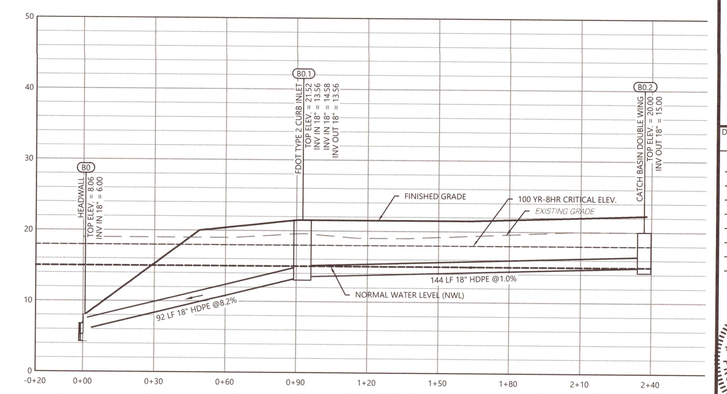

B0-B0.2 PROFILE
HORZ SCALE: 1"=30'
VERT SCALE: 1"=10'

STORM PROFILE LEGEND

- PROPOSED GRADE
- EXISTING GRADE
- 25 YEAR HGL LINE

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1-800-432-4770
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THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

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DRAWN BY: HW
CHECKED BY: BK
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JOB #: 20001743
FILE CODE: ##
SHEET NO. C631

NOT-ISSUED-FOR-CONSTRUCTION
CAD FILE: 20001743-PIPES-B

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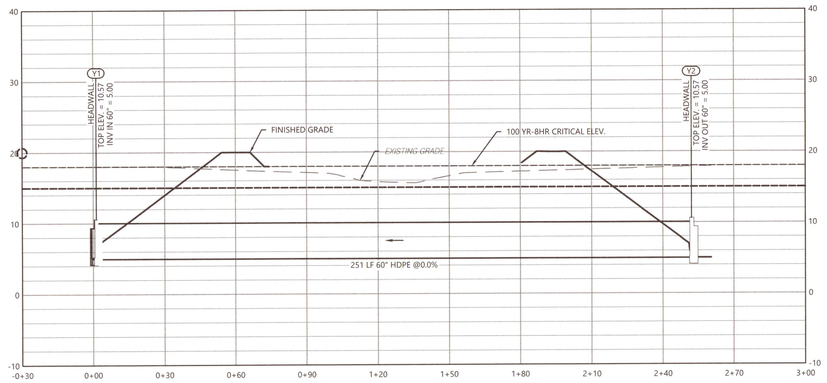
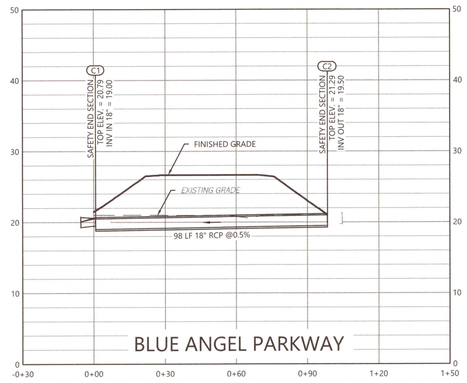


STORM Y PROFILE
HORZ SCALE: 1"=30'
VERT SCALE: 1"=10'



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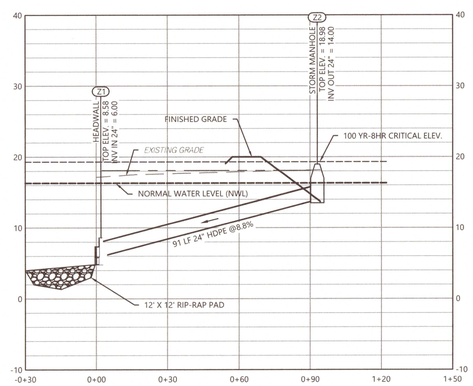

Z PROFILE
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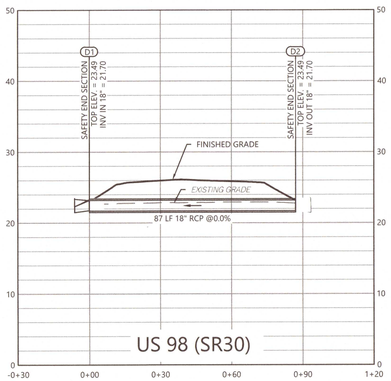

D1-D2 PROFILE
HORZ SCALE: 1"=30'
VERT SCALE: 1"=10'

STORM PROFILE LEGEND

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EXISTING GRADE

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FILE CODE: ##
SHEET NO. C632

CAD FILE: 20001743-PIPES-8

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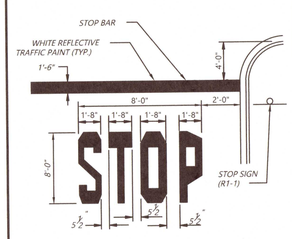
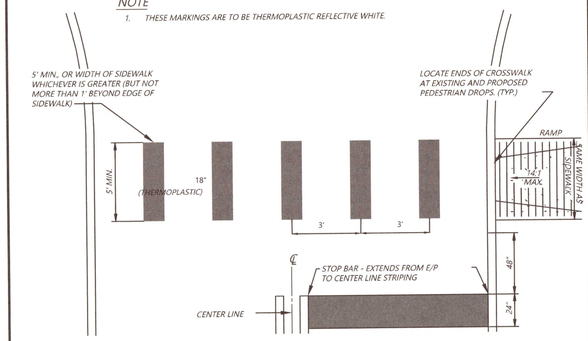


NOTES:
WORDS AND ARROWS FOR DRIVEWAYS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN SECTION 38-20 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.

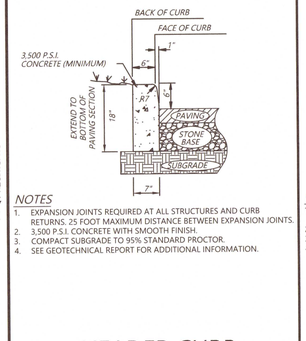
STOP BAR
N.T.S.

S5A



CROSSWALK MARKINGS
N.T.S.

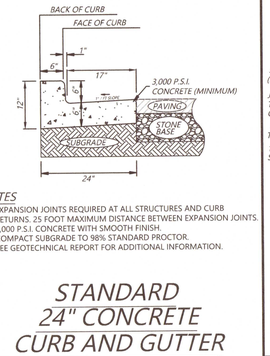
CM



NOTES
1. EXPANSION JOINTS REQUIRED AT ALL STRUCTURES AND CURB RETURNS. 25 FOOT MAXIMUM DISTANCE BETWEEN EXPANSION JOINTS.
2. 3,500 P.S.I. CONCRETE WITH SMOOTH FINISH.
3. COMPACT SUBGRADE TO 95% STANDARD PROCTOR.
4. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

HEADER CURB
N.T.S.

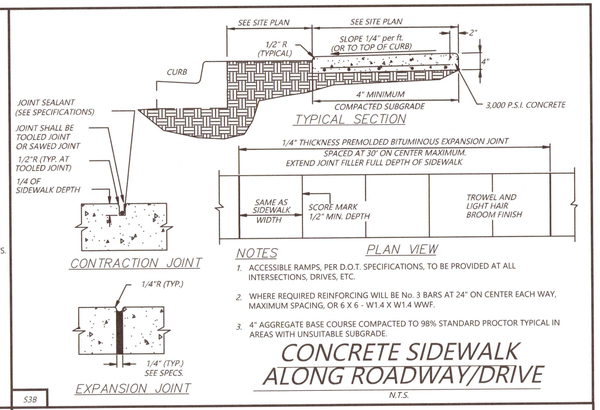
S1I



NOTES
1. EXPANSION JOINTS REQUIRED AT ALL STRUCTURES AND CURB RETURNS. 25 FOOT MAXIMUM DISTANCE BETWEEN EXPANSION JOINTS.
2. 3,000 P.S.I. CONCRETE WITH SMOOTH FINISH.
3. COMPACT SUBGRADE TO 98% STANDARD PROCTOR.
4. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

STANDARD 24" CONCRETE CURB AND GUTTER
N.T.S.

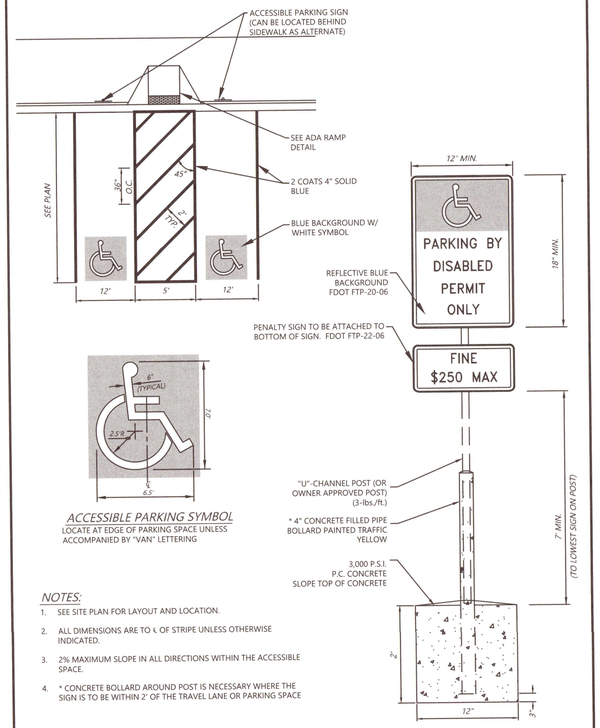
S1D



NOTES
1. ACCESSIBLE RAMPS, PER D.O.T. SPECIFICATIONS, TO BE PROVIDED AT ALL INTERSECTIONS, DRIVES, ETC.
2. WHERE REQUIRED REINFORCING WILL BE No. 3 BARS AT 24" ON CENTER EACH WAY, MAXIMUM SPACING, OR 6 X 6 - W1.4 X W1.4 WWF.
3. 4" AGGREGATE BASE COURSE COMPACTED TO 98% STANDARD PROCTOR TYPICAL IN AREAS WITH UNSUITABLE SUBGRADE.

CONCRETE SIDEWALK ALONG ROADWAY/DRIVE
N.T.S.

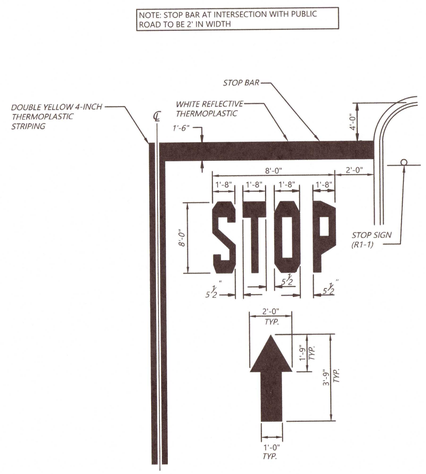
S3B



NOTES:
1. SEE SITE PLAN FOR LAYOUT AND LOCATION.
2. ALL DIMENSIONS ARE TO ℄ OF STRIPE UNLESS OTHERWISE INDICATED.
3. 2% MAXIMUM SLOPE IN ALL DIRECTIONS WITHIN THE ACCESSIBLE SPACE.
4. * CONCRETE BOLLARD AROUND POST IS NECESSARY WHERE THE SIGN IS TO BE WITHIN 2' OF THE TRAVEL LANE OR PARKING SPACE

ADA PARKING DETAIL
N.T.S.

S5O



NOTES:
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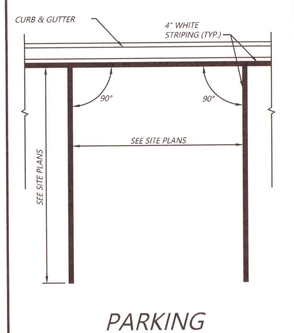
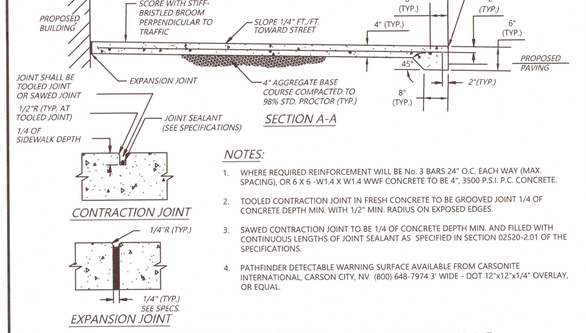
STOP BAR
N.T.S.



PARKING SPACE STRIPING
N.T.S.

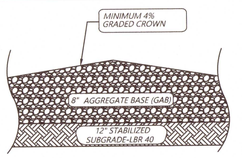
S5CC



NOTES:
1. WHERE REQUIRED REINFORCEMENT WILL BE No. 3 BARS 24" O.C. EACH WAY (MAX. SPACING), OR 6 X 6 -W1.4 X W1.4 WWF CONCRETE TO BE 4", 3500 P.S.I. P.C. CONCRETE.
2. TOOLED CONTRACTION JOINT IN FRESH CONCRETE TO BE GROOVED JOINT 1/4 OF CONCRETE DEPTH MIN. WITH 1/2" MIN. RADIUS ON EXPOSED EDGES.
3. SAWED CONTRACTION JOINT TO BE 1/4 OF CONCRETE DEPTH MIN. AND FILLED WITH CONTINUOUS LENGTHS OF JOINT SEALANT AS SPECIFIED IN SECTION 02520-2.01 OF THE SPECIFICATIONS.
4. PATHFINDER DETECTABLE WARNING SURFACE AVAILABLE FROM CARSONITE INTERNATIONAL, CARSON CITY, NV (800) 648-7974 3' WIDE - DOT 12"x12"x1/4" OVERLAY, OR EQUAL.

CONCRETE SIDEWALK @ BUILDING
N.T.S.

S3C

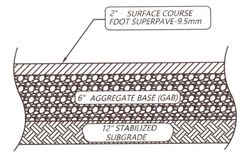


NOTES:
1. GAB TO BE FROM AN FDOT APPROVED SOURCE, MIN. LBR OF 100.
2. GAB AND STABILIZED SUBGRADE SHALL HAVE A MINIMUM SOIL DENSITY OF AT LEAST 98% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D-1557).

THIS PAVEMENT DETAIL IS BASED ON THE GEOTECHNICAL REPORT FOR BLUE ANGEL PLAZA VSI, LLC, BY NOVA, DATED SEPT. 21, 2021. THE CONTRACTOR SHOULD CLARIFY ANY DISCREPANCY BETWEEN THE GEOTECHNICAL REPORT AND THIS DETAIL PRIOR TO BIDDING OR CONSTRUCTING.

TEMPORARY GRAVEL ROAD SPECIFICATION
NTS

S2A



NOTES:
1. GAB TO BE FROM AN FDOT APPROVED SOURCE, MIN. LBR OF 100.
2. STABILIZED SUBGRADE SHALL HAVE A MINIMU LBR OF 40.

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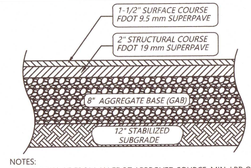
LIGHT DUTY ASPHALT PAVING SPECIFICATION
NTS

S2A



NOTES:
1. GAB TO BE FROM AN FDOT APPROVED SOURCE, MIN. LBR OF 100.
2. STABILIZED SUBGRADE SHALL HAVE A MINIMU LBR OF 40.

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HEAVY DUTY ASPHALT PAVING SPECIFICATION
NTS

S2C

Standard Duty Pavement Section (Parking Stalls, Ect.)		
Minimum Pavement Thickness	Maximum Control Joint Spacing	Recommended Saw-Cut Depth
6 Inches	12 feet x 12 feet	1½ Inches
Heavy-Duty Pavement Section (Driveways)		
Minimum Pavement Thickness	Maximum Control Joint Spacing	Recommended Saw-Cut Depth
7 Inches	14 feet x 14 feet	1¾ Inches

CONCRETE TO HAVE A WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AND A MINIMUM 28-DAY FLEXURAL STRENGTH (MODULUS OF RUPTURE) OF AT LEAST 600 POUNDS PER SQUARE INCH, BASED ON 3RD POINT LOADING OF CONCRETE BEAM TEST SAMPLES. ALL SECTIONS SHOULD BE REINFORCED WITH #3 (3/8-IN. DIAMETER) REBAR EVERY 18-IN OC.

CONCRETE PAVEMENT INSTRUCTIONS PER GEOTECHNICAL REPORT

BENEATH A RIGID (CONCRETE) PAVEMENT SECTION, USE CLEAN FINE GRAINED SAND TO SLIGHTLY SILTY SAND SUBGRADE OR FILL (SP, SP-SM), DENSIFIED TO A MINIMUM SOIL DENSITY OF AT LEAST 98 PERCENT OF THE MODIFIED PROCTOR TEST MAXIMUM DRY DENSITY (ASTM D-1557) WITHOUT ADDITIONAL STABILIZATION, WITH THE FOLLOWING STIPULATIONS:

- AT LEAST 18 INCHES OF FREE-DRAINING (PERMEABILITY OF AT LEAST 5 FT/DAY) SUBGRADE SOILS BENEATH THE BOTTOM-OF-PAVEMENT ELEVATION(S) MUST BE PROVIDED AND DENSIFIED TO AT LEAST 98 PERCENT OF THE MODIFIED PROCTOR TEST METHOD (ASTM D-1557) PRIOR TO PLACEMENT OF CONCRETE.
- THE FREE-DRAINING SUBGRADE MUST HAVE A SUITABLE EXIT POINT WHERE TRAPPED WATER CAN BE RELIEVED BY EITHER SEEPAGE OR AN UNDER-DRAIN SYSTEM. FILL SOILS MUST MEET THIS SPECIFICATION AS WELL. THE SURFACE OF THE SUBGRADE SOILS MUST BE SMOOTH, AND ANY DISTURBANCES OR WHEEL RUTTING CORRECTED PRIOR TO PLACEMENT OF CONCRETE
- THE SUBGRADE SOILS MUST BE MOISTENED PRIOR TO PLACEMENT OF CONCRETE TO REDUCE DEHYDRATION OF THE PLACED CONCRETE.
- CONCRETE PAVEMENT THICKNESS SHOULD BE UNIFORM THROUGHOUT, WITH EXCEPTION TO THICKENED EDGES (CURB OR FOOTING). THE BOTTOM OF THE PAVEMENT SHOULD BE SEPARATED FROM THE ESTIMATED TYPICAL WET SEASON GROUNDWATER LEVEL BY AT LEAST 18 INCHES.

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SEC 18, TSP 2S, RNG 31W
9500 W HIGHWAY 98
18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
CONSTRUCTION DETAILS

DATE 10-26-2021

01-26-2022
03-02-2022
03-30-2022
04-29-2022
REVISIONS

JAMES A. LOWE LICENSE No 0044729 STATE OF FLORIDA PROFESSIONAL ENGINEER

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C700

CAD FILE: 20001743-C700 DETAILS

NOT-ISSUED-FOR-CONSTRUCTION

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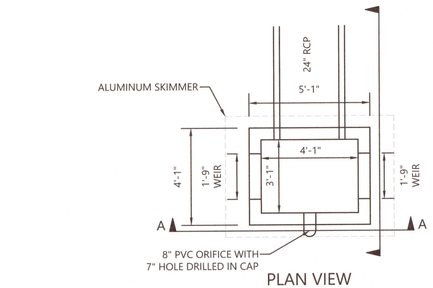
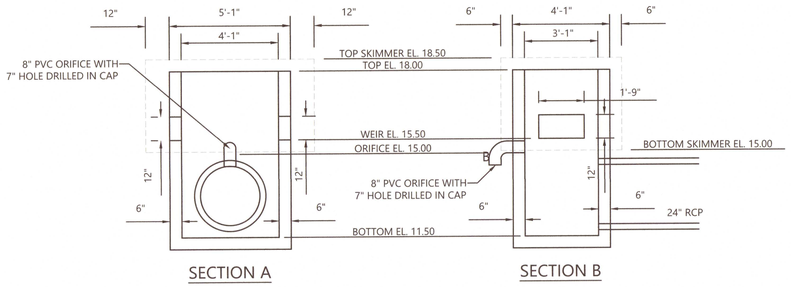
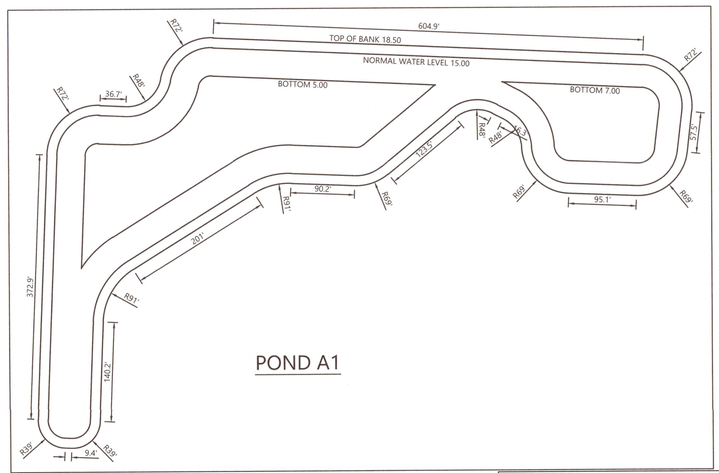


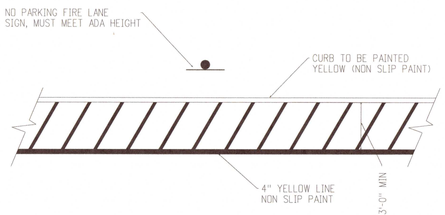
PLAN VIEW



SECTION A SECTION B

MODIFIED TYPE D CONTROL STRUCTURE (Z2)


R72'
604.9'
TOP OF BANK 18.50
NORMAL WATER LEVEL 15.00
BOTTOM 5.00
BOTTOM 7.00
R72'
R72'
36.7'
R48'
R48'
R72'
R72'
R48'
R48'
R48



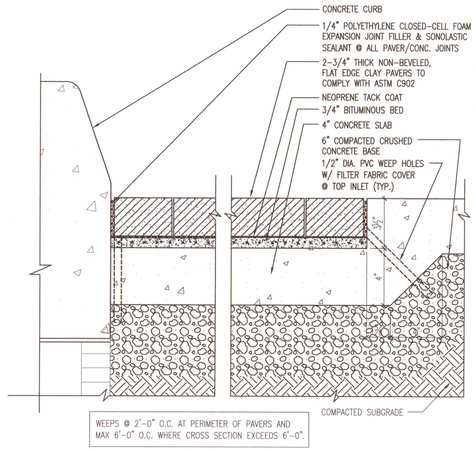
FIRE LANE DETAIL

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

SUGGESTED FIRE LANE DETAIL
IF LOCAL JURISTICTION DOES NOT DICTATE,
PROVIDED FOR INFORMATIONAL PUROPSES ONLY.
FIRE LANE SHOULD BE LOCATED ON EITHER
SIDE OF THE MAIN ENTRANCE/EXIT SIDEWALK RAMP.

FEBRUARY 2018

March 2018 Exhibits 7-39

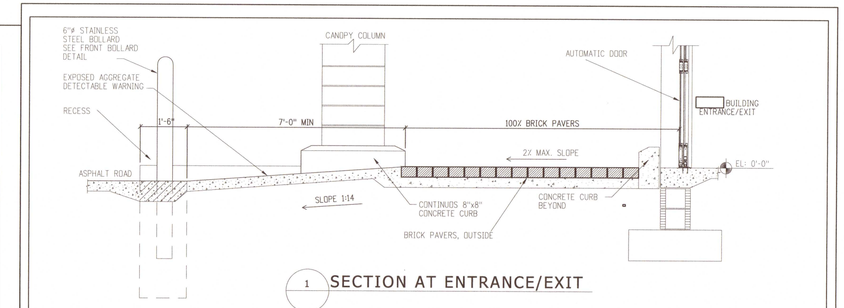


PAVER DETAIL (TYP. ALL PROTOTYPES)

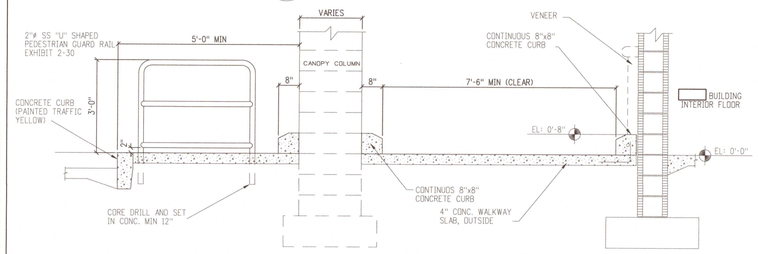
SCALE: 3"=1'-0"

REFER TO SPECS FOR INSTALLATION AND APPROVED MANUFACTURERS

MARCH 2018

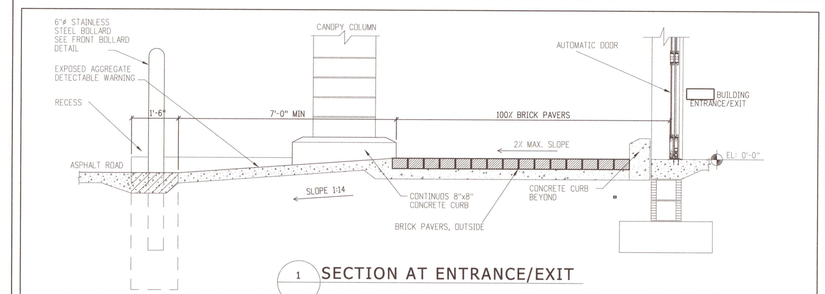


1 SECTION AT ENTRANCE/EXIT

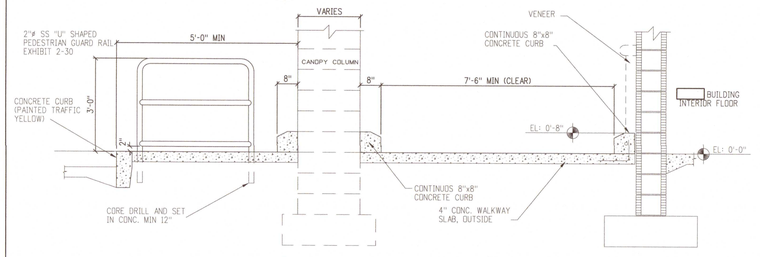


2 SECTION AT STOREFRONT

OCT 17, 2017

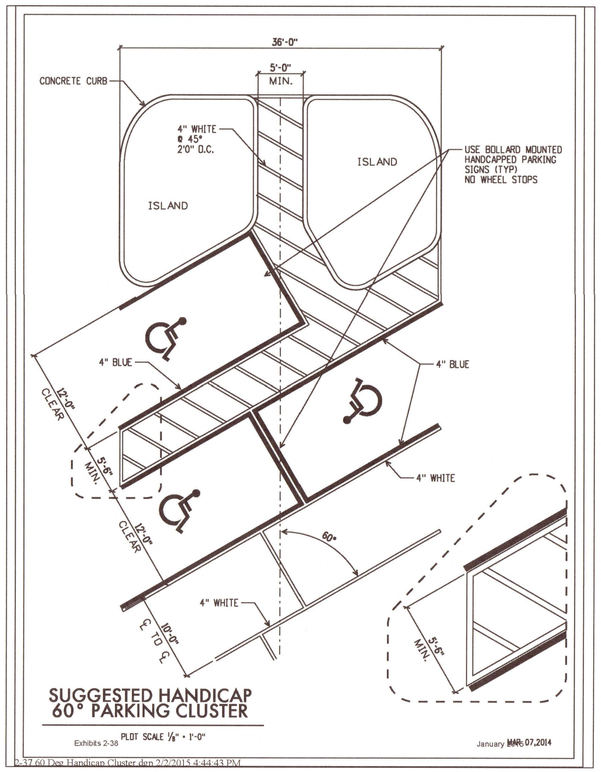


1 SECTION AT ENTRANCE/EXIT



2 SECTION AT STOREFRONT

OCT 17, 2017



SUGGESTED HANDICAP 60° PARKING CLUSTER

Exhibits 2-38 PLOT SCALE 1/8" = 1'-0"

January ~~MAR~~ 07,2014

2-37.60 Deg Handicap Cluster.dgn 2/2/2015 4:44:43 PM

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COA# PEF0005804

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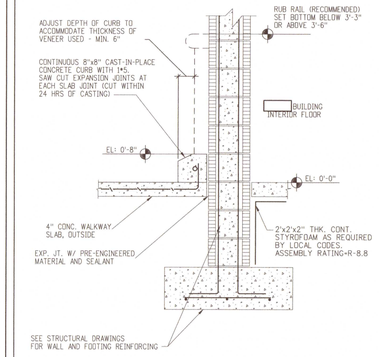
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C702

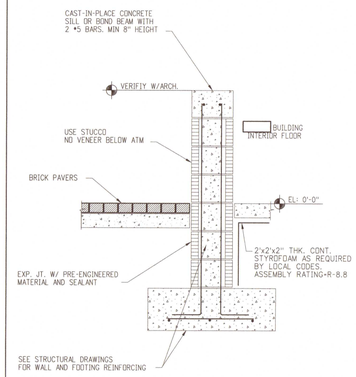
CAD FILE: 20001743-C700 DETAILS

NOT ISSUED FOR CONSTRUCTION

FILE NAME: C:\20001743 Pensacola Grocery - Blue Angel Pkwy\Design\SHA\04 PRODUCTION\20001743-C700 DETAILS.dwg LAST SAVED BY: rpeltham 4/14/2022 3:08 PM PLOTTED BY: Isaac Wright 4/29/2022 PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF 3000PA.PC3 PLOT STYLE: ATWELL.CTB



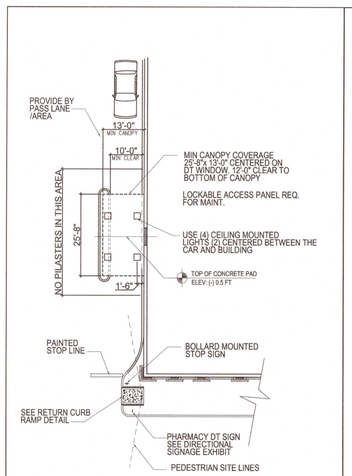
3 FRONT WALL CURB DETAIL



4 SECTION AT ATM/WINDOW

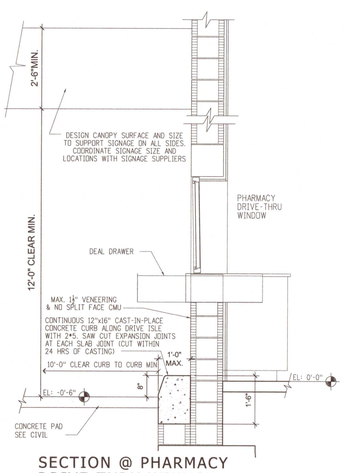
MAY 2017

PX-9



PHARMACY DRIVE THRU CONFIGURATION

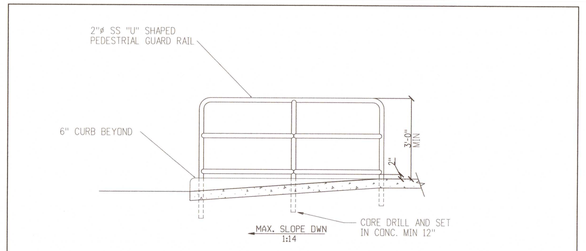
SCALE: 1"=20'



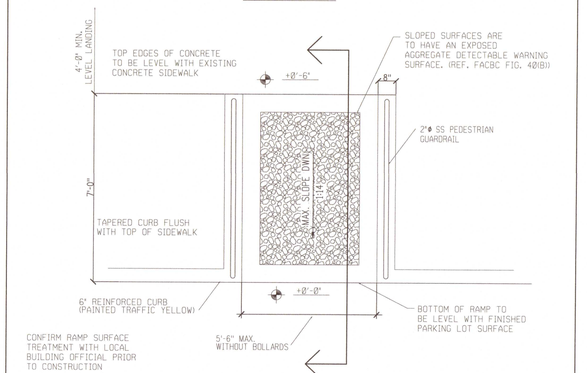
SECTION @ PHARMACY DRIVE-THRU WINDOW

SCALE: ½"=1'-0"

PX-12



SECTION



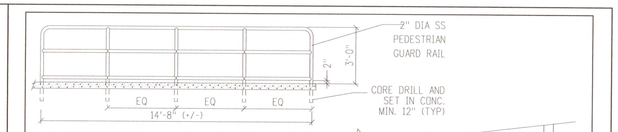
RETURN CURB RAMP DETECTABLE WARNING PLAN

SCALE: ¾"=1'-0" USE IN FRONT OF PUBLIX STORE

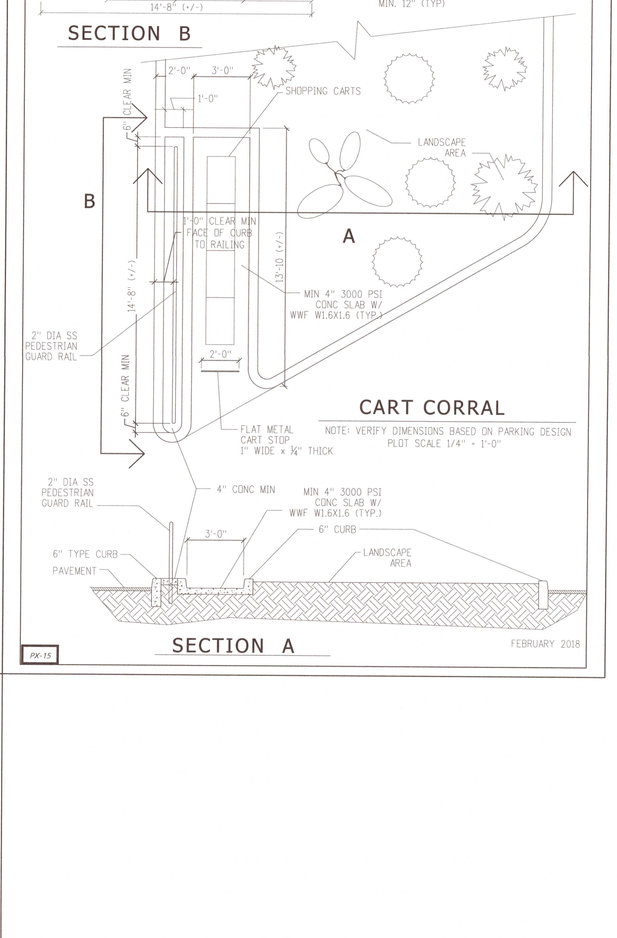
MARCH 2017

FLORIDA SITES - OTHERS SIMILAR

PX-14



SECTION B



CART CORRAL

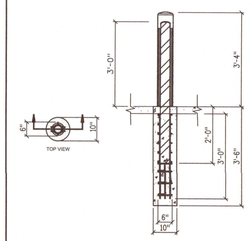
SECTION A

PX-15

FEBRUARY 2018

MCCUE CRASHCORE BOLLARD REQUIRED AT ENTRY/EXIT AND CUSTOMER SEATING AREAS

PLACE @ 5'-6" OC



CONTRACTORS NOTE:

BOLLARDS SUPPLIED AND INSTALLED BY MCCUE PRIOR TO SIDEWALK BEING POURED.
NO SUBSTITUTIONS.
CONTACT MCCUE AND PUBLIX TO RECEIVE PUBLIX NATIONAL ACCOUNT PRICING FOR MATERIALS AND INSTALLATION.

ORDERING INFORMATION AND TIMING

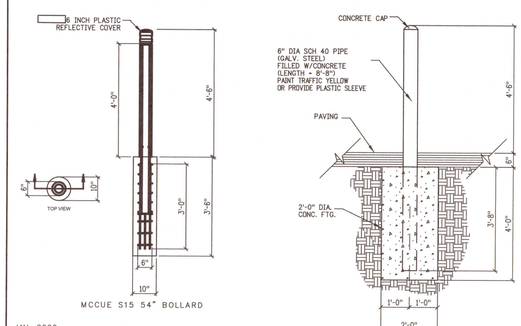
ORDER: 4 WEEKS PRIOR TO SIDEWALK POUR
RECEIVE: 2 WEEKS PRIOR TO SIDEWALK POUR
INSTALLATION: 1 WEEK PRIOR TO SIDEWALK POUR

CONTACT INFO:
EMAIL:
DIRECT:
OFFICE ADDRESS:
WEBSITE:

YANI DE LA CRUZ
YDELACRUZ@MCCUE.COM
978-219-5282
MCCUE, 13 CENTENNIAL DRIVE, PEABODY, MA 01960
MCCUE.COM

ACCEPTABLE DETAILS FOR BOLLARDS PROTECTING EQUIPMENT AND BUILDING COMPONENTS

PLACE AS NEEDED



JAN. 2020

Exhibits 8-30

October 2020

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ESCAMBIA COUNTY, FLORIDA

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CAD FILE: 20001743-C700 DETAILS

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C703

NOT-ISSUED-FOR-CONSTRUCTION

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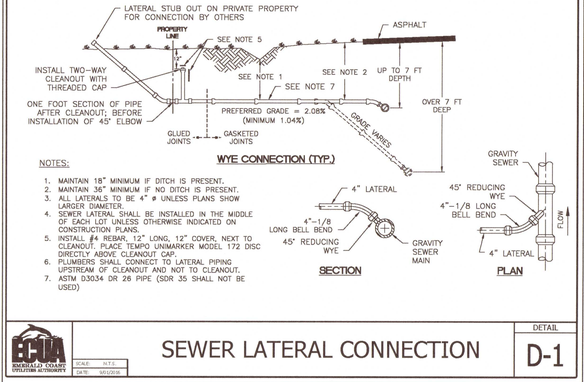


NOTES:

1. MAINTAIN 18" MINIMUM IF DITCH IS PRESENT.
2. MAINTAIN 36" MINIMUM IF NO DITCH IS PRESENT.
3. ALL LATERALS TO BE 4" ø UNLESS PLANS SHOW LARGER DIAMETER.
4. SEWER LATERAL SHALL BE INSTALLED IN THE MIDDLE OF EACH LOT UNLESS OTHERWISE INDICATED ON CONSTRUCTION PLANS.
5. INSTALL #4 REBAR, 12" LONG, 12" COVER, NEXT TO CLEANOUT. PLACE TEMPO UNIMARKER MODEL 172 DSC DIRECTLY ABOVE CLEANOUT CAP.
6. PLUMBERS SHALL CONNECT TO LATERAL PIPING UPSTREAM OF CLEANOUT AND NOT TO CLEANOUT.
7. ASTM D3034 OR 26 PIPE (SDR 35 SHALL NOT BE USED)

WYE CONNECTION (TYP.)

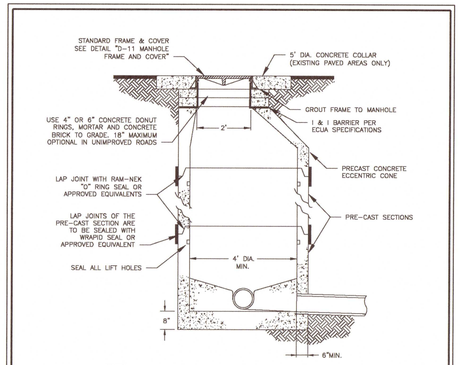
SECTION

PLAN

ECUA EMERALD COAST UTILITIES AUTHORITY | SCALE: N.T.S. | DATE: 9/01/2016

SEWER LATERAL CONNECTION

DETAIL D-1



NOTES:

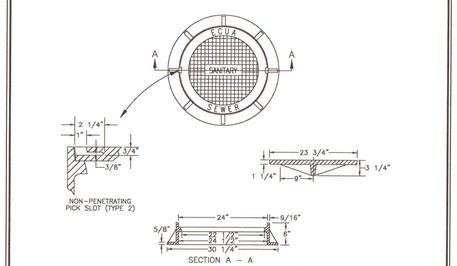
1. SEE SECTION 2570 FOR COMPLETE SPECIFICATIONS.
2. VACUUM TEST TO BE COMPLETED IN ACCORDANCE WITH ASTM C-1244 AND PERFORMED PRIOR TO BACKFILLING.
3. SUPPORTING SOILS UNDER THE BASE OF THE MANHOLE SHALL BE COMPACTED TO AT LEAST 98% OF MAXIMUM DENSITY.
4. JOINT SEALING WRAP SHALL BE INSTALLED ON ALL NEW MANHOLES. RISER SECTION SHALL ONLY BE WRAPPED WHEN MANHOLE IS LOCATED IN LOW AREAS OR AS DEEMED NECESSARY BY ENGINEER.

TYPICAL INVERT CHANNELS

ECUA EMERALD COAST UTILITIES AUTHORITY | SCALE: N.T.S. | DATE: 9/01/2016

STANDARD MANHOLE

DETAIL D-10



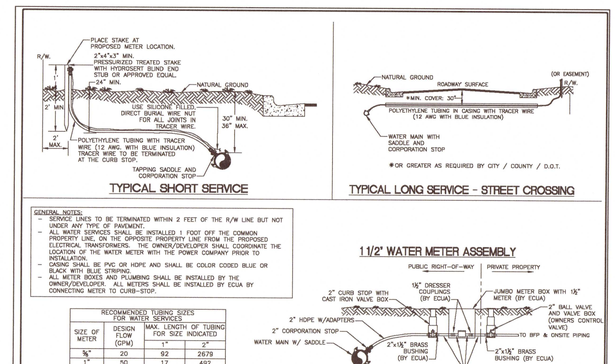
NOTES:

1. FRAME AND COVER SHALL BE U.S. FOUNDRY USF170E, BOLTING FEATURES NOT REQUIRED.
2. FRAME AND COVER SHALL CONFORM TO ASTM SPEC. A-48, CLASS 30 CAST IRON.
3. MANHOLE COVER IS TO BE NON-VENTING, EXCEPT WHEN USED ON A RECEIVING MANHOLE FOR A FORCE MAIN, A MANHOLE THAT HAS A DROP MAIN OR LATERAL ENTERING IT, OR A MANHOLE THAT HOUSES AN ARV (SEE DETAIL D-31).

ECUA EMERALD COAST UTILITIES AUTHORITY | SCALE: N.T.S. | DATE: 9/01/2016

MANHOLE FRAME & COVER

DETAIL D-11



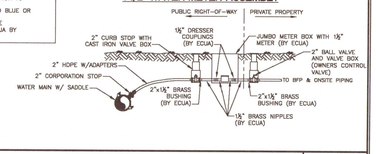
GENERAL NOTES:

- SERVICE LINES TO BE TERMINATED WITHIN 2 FEET OF THE R/W LINE BUT NOT UNDER ANY TYPE OF PAVEMENT.
- ALL WATER SERVICES SHALL BE INSTALLED 1 FOOT OFF THE COMMON PROPERTY LINE, ON THE OPPOSITE PROPERTY LINE FROM THE PROPOSED ELECTRICAL TRANSFORMERS. THE OWNER/DEVELOPER SHALL COORDINATE THE LOCATION OF THE WATER METER WITH THE POWER COMPANY PRIOR TO INSTALLATION.
- CASING SHALL BE PVC OR HDPE AND SHALL BE COLOR CODED BLUE OR BLACK WITH BLUE STRIPING.
- ALL METER BOXES AND PLUMBING SHALL BE INSTALLED BY THE OWNER/DEVELOPER. ALL METERS SHALL BE INSTALLED BY ECUA BY CONNECTING METER TO CURB-STOP.

RECOMMENDED TUBING SIZES FOR WATER SERVICES

SIZE OF METER	DESIGN FLOW (DFM)	MAX. LENGTH OF TUBING FOR SIZE INDICATED 1"	2"
⅝"	20	92	2679
1"	50	17	492
1½"	100		138
SIZE OF CASING (LONG SERVICE ONLY)		2"	4"

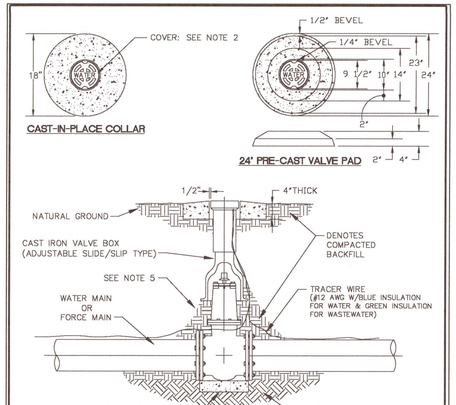
1 1/2" WATER METER ASSEMBLY



ECUA EMERALD COAST UTILITIES AUTHORITY | SCALE: N.T.S. | DATE: 9/01/2016

WATER SERVICE FOR 5/8", 1", & 1 1/2" METERS

DETAIL D-40



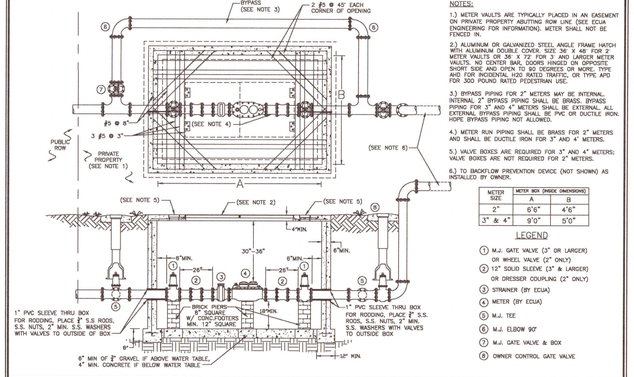
NOTES:

1. VALVE BOX AND BOOT SHALL BE CAST IRON.
2. VALVE COVER SHALL BE MARKED "WATER" OR "SEWER" AS APPLICABLE
3. VALVE BOX TOP & COLLAR SHALL BE FLUSH WITH FINISHED GRADE OR ½" ABOVE NATURAL GROUND LEVEL.
4. GATE VALVE SHALL BE RESILIENT SEAT WITH MECHANICAL JOINT ENDS.
5. EARTH UNDER FLANGE OF VALVE BOX & COLLAR TO BE FIRM AND WELL TAMPED TO ENSURE AGAINST VALVE BOX SETTLING.

ECUA EMERALD COAST UTILITIES AUTHORITY | SCALE: N.T.S. | DATE: 9/01/2016

TYPICAL VALVE & BOX INSTALLATION

DETAIL D-43



NOTES:

1.) METER VAULTS ARE TYPICALLY PLACED IN AN EASEMENT ON PRIVATE PROPERTY ABUTTING ROW LINE (SEE ECUA ENGINEERING FOR INFORMATION). METER SHALL NOT BE FENCED IN.

2.) ALUMINUM OR GALVANIZED STEEL ANGLE FRAME HATCH WITH ALUMINUM DOUBLE COVER. SIZE 36" X 48" FOR 2" METER VAULTS OR 36" X 72" FOR 3" AND LARGER METER VAULTS. HATCH SHALL BE CONSTRUCTED ON OPPOSITE HINGE SIDE AND OPEN TO 90° POSITION OR MORE. TYPE AHS FOR INCIDENTAL H20 RATED TRAFFIC OR TYPE AHD FOR 300 POUND RATED PEDESTRIAN USE.

3.) BYPASS PIPING FOR 2" METERS MAY BE INTERNAL. INTERNAL 2" BYPASS PIPING SHALL BE BRASS. BYPASS PIPING FOR 3" AND 4" METERS SHALL BE EXTERNAL. ALL EXTERNAL BYPASS PIPING SHALL BE PVC OR DUCTILE IRON. HDPE BYPASS PIPING NOT ALLOWED.

4.) METER RUN PIPING SHALL BE BRASS FOR 2" METERS AND SHALL BE DUCTILE IRON FOR 3" AND 4" METERS.

5.) VALVE BOXES ARE REQUIRED FOR 3" AND 4" METERS; VALVE BOXES ARE NOT REQUIRED FOR 2" METERS.

6.) TO BACKFLOW PREVENTION DEVICE (NOT SHOWN) AS INSTALLED BY OWNER.

METER SIZE	METER BOX (INSIDE DIMENSIONS) A	B
2"	6'6"	4'6"
3" & 4"	9'0"	5'0"

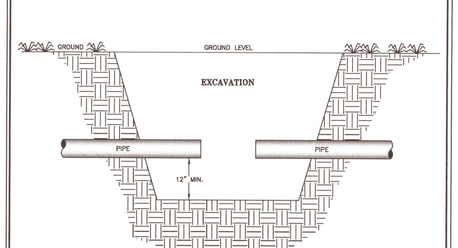
LEGEND

1. M.J. GATE VALVE (3" OR LARGER) OR WHEEL VALVE (2" ONLY)
2. 12" SOLID SLEEVE (3" & LARGER) OR DRESSER COUPLING (2" ONLY)
3. STRAINER (BY ECUA)
4. METER (BY ECUA)
5. M.J. TEE
6. M.J. ELBOW 90°
7. M.J. GATE VALVE & BOX
8. OWNER CONTROL GATE VALVE

ECUA EMERALD COAST UTILITIES AUTHORITY | SCALE: N.T.S. | DATE: 9/01/2016

2", 3" & 4" METER VAULT

DETAIL D-44



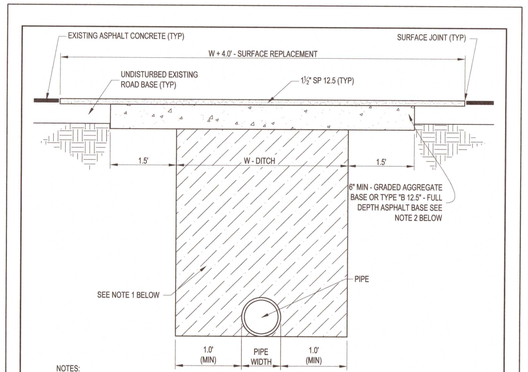
NOTES:

1. A CONTINUOUS OUTFLOW OF WATER FROM THE PIPE ON EACH SIDE OF THE REPAIR MUST BE MAINTAINED.
2. STANDING SURFACE, GROUND OR POTABLE WATER IN THE PIT (EXCAVATION) IS NOT ALLOWED TO REMAIN DURING PERIODS OF UNPRESSURIZED PIPE CONDITIONS, LESS THAN FULL PIPE FLOW OR WHENEVER FLOW IS NOT BEING MAINTAINED. ADDITIONALLY, SOIL SHOULD BE EXCAVATED TO A MINIMUM DEPTH OF 12 INCHES BELOW THE PIPE INVERTS.
3. PRECAUTIONARY BOIL WATER NOTICES SHALL BE ISSUED WHEN THE CONDITIONS OUTLINED IN NOTES 1 AND 2 ABOVE ARE NOT MAINTAINED.
4. ALL REPAIR OR CONNECTION ITEMS, PIPING AND APPURTENANCES SHALL BE PROPERLY DISINFECTED OR SWABBED IN ACCORDANCE WITH RULE 62-555.340, F.A.C., AND AWWA STANDARD C651. AS A RECORD OF PROCEDURAL BMP EFFECTIVENESS, A MINIMUM OF ONE BACTERIOLOGICAL SAMPLE SHALL BE COLLECTED ON EITHER SIDE OF THE REPAIR AREA FOR TWO CONSECUTIVE DAYS. IF THE ANALYTICAL RESULTS ARE POSITIVE, A PBWM SHALL BE ISSUED AND TWO DAYS OF SATISFACTORY WATER QUALITY ANALYSIS ARE REQUIRED TO RESCIND THE BOIL WATER NOTICE.

ECUA EMERALD COAST UTILITIES AUTHORITY | SCALE: N.T.S. | DATE: 9/01/2016

EXISTING WATER MAIN SHUTDOWN BEST MANAGEMENT PRACTICES

DETAIL D-46



NOTES:

1. ROAD PATCH WORK BACKFILL (SUBBASE) MATERIAL SHALL BE PLACED IN NOT MORE THAN 8" LIFTS. EACH LAYER TO BE TAMPED TO A MINIMUM OF 40 LBR AND A MINIMUM OF 98% OF MODIFIED PROCTOR.
2. GRADED AGGREGATE BASE SHALL BE A MINIMUM OF 100LBR AND COMPACTED TO A MINIMUM OF 98% MODIFIED PROCTOR. CONCRETE SHALL BE A MINIMUM 3000 PSI.
3. ROAD CUTS SHALL BE MECHANICALLY SAW CUT TO FORM A SURFACE PAVEMENT JOINT AND TACK COATED ALONG THE FACE OF CUT JOINTS PRIOR TO ASPHALT PLACEMENT.
4. LONGITUDINAL ROAD CUTS OF LESS THAN ONE-HALF PAVEMENT WIDTH TO BE PATCHED SAME AS LATERAL PATCH. LONGITUDINAL ROAD CUTS ONE-HALF OR GREATER TO BE PATCHED WITH SAME BASE MATERIAL AND ENTIRE ROAD WIDTH RESURFACED.
5. TOP WIDTH OF DITCH (W-DITCH) IS TO BE DETERMINED BY OSHA LAYBACK SLOPE REQUIREMENTS FOR DEPTH OF CUT.

PAVED ROAD (LARGE PATCH) DETAIL

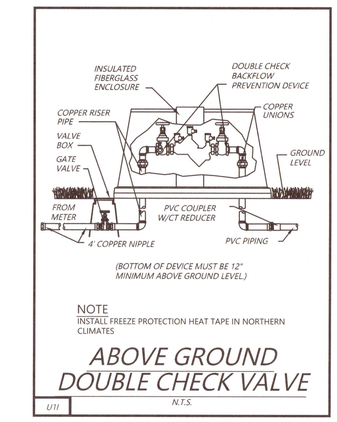
(FOR PATCHES 24" WIDE OR GREATER)
(ALL NOTES APPLY, SEE ABOVE)
(NEIGHBORHOOD ROADS ONLY)
NOT TO SCALE

L:\2018 Details Library\Roadway Construction\Road-15.dwg, May 12, 2020 - 2:04:33PM, CwilsonsNo. | Date | Revision | By
1 | 06/01/18 | T.J. WILLIAMS

ENGINEERING DIVISION
ESCAMBIA COUNTY, FLORIDA, CENTRAL OFFICE COMPLEX
3363 WEST PARK PLACE
PENSACOLA, FLORIDA 32505

DESIGNED BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
D. MCVEY	T.J. WILLIAMS	T.J. WILLIAMS	J. JONES, P.E.
05/25/18	05/25/18	05/25/18	05/25/18

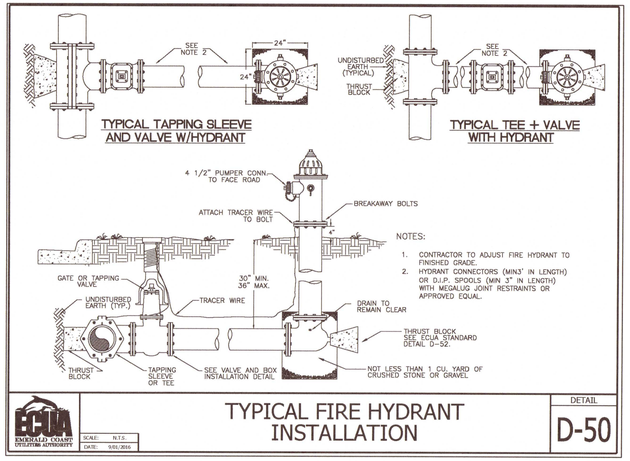
COUNTY DETAILS
ROADWAY CONSTRUCTION
TYPICAL UTILITY PATCH DETAIL



NOTE
INSTALL FREEZE PROTECTION HEAT TAPE IN NORTHERN CLIMATES

ABOVE GROUND DOUBLE CHECK VALVE

U11 | N.T.S.



NOTES:

1. CONTRACTOR TO ADJUST FIRE HYDRANT TO FINISHED GRADE.
2. HYDRANT CONNECTORS (MIN3' IN LENGTH) OR D.I.P. SPOOLS (MIN 3" IN LENGTH) WITH MEGALUG JOINT RESTRAINTS OR APPROVED EQUAL.

ECUA EMERALD COAST UTILITIES AUTHORITY | SCALE: N.T.S. | DATE: 9/01/2016

TYPICAL FIRE HYDRANT INSTALLATION

DETAIL D-50

48 HOURS BEFORE YOU DIG CALL SUNSHINE
1-800-432-4770
IT'S THE LAW IN FLORIDA

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN PLAN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR; NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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24 HOUR EMERGENCY CONTACT

ATWELL
866.850.4200 www.atwell-group.com
MARIETTA, GA
1800 PARKWAY PLACE, SUITE 700
COA# PEF005804

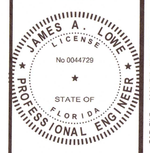
SEC 18, TSP 2S, RNG 31W
9500 W HIGHWAY 98
18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
ECUA DETAILS

DATE 10-26-2021

01-26-2022
03-02-2022
03-30-2022
04-29-2022

REVISIONS

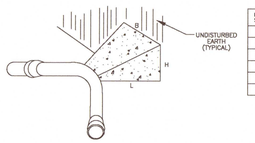


DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C704

CAD FILE: 20001743-C700 DETAILS

NOT-ISSUED-FOR-CONSTRUCTION

FILE NAME: X:\20001743 Pensacola Grocery - Blue Angel Park\Design\SW\SW PRODUCTION\20001743-C700 DETAILS.dwg LAST SAVED BY: pgetbum 4/14/2022 3:08 PM PLOTTED BY: hwu wright 4/29/2022 PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG To PDF 300DPI.PC3 PLOT STYLE: ATWELL.CTB

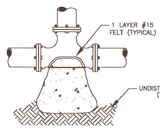


11.25°, 22.5°, 45° + 90° BEND

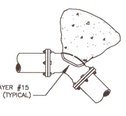
PIPE SIZE	BEARING AREA DIMENSIONS OF THRUST BLOCK, H X B (FT)				
	DEAD END OR TEE	90° BEND	45° BEND	22.5° BEND	11.25° BEND
4"	1.0 X 1.5	1.5 X 1.5	1.0 X 1.0	1.0 X 1.0	1.0 X 1.0
6"	1.5 X 2.0	1.5 X 2.5	1.0 X 2.0	1.0 X 1.5	1.0 X 1.0
8"	2.0 X 2.5	2.0 X 3.5	1.5 X 2.5	1.0 X 2.0	1.0 X 1.0
10"	2.5 X 3.5	3.0 X 4.0	2.0 X 3.0	1.5 X 2.0	1.0 X 1.5
12"	3.0 X 4.0	3.5 X 5.0	2.5 X 3.5	2.0 X 2.5	1.0 X 2.0
16"	4.0 X 5.5	4.5 X 6.5	3.0 X 5.0	2.5 X 3.5	1.5 X 2.5

NOTES:

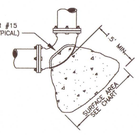
1. ONE LAYER OF #15 FELT TO BE USED TO PREVENT ADHESION OF CONCRETE TO FITTING.
2. ALL THRUST BLOCKS TO BE BACKED BY UNDISTURBED SOIL.
3. THRUST BLOCK DIMENSIONS BASED ON SM SOIL CLASSIFICATION WITH A SOIL BEARING PRESSURE OF 3000 LB/FT^2
4. CONCRETE MIN. 2,500 PSI.
5. BEARING AREAS SHALL BE MINIMUM 1.0 FT^2
6. JOINT RESTRAINTS ARE TO BE USED ON ALL FITTINGS. THRUST BLOCKS REQUIRED ON 90° BENDS, 45° BENDS, 22.5° BENDS, 11.25° BENDS, TEES, TAPPING SLEEVES AND DEAD ENDS.



TEE - M.J.



11.25°, 22.5° + 45° BENDS - M.J.



90° BEND - M.J.

ECUA EMERALD COAST UTILITIES AUTHORITY | SCALE: N.T.S. | DATE: 9/01/2016

TYPICAL THRUST BLOCK INSTALLATION

DETAIL D-52

TYPE 1
FLAT–BOTTOM* TRENCH, LOOSE EMBEDMENT
E = 50 psi (340 kPa), K = 0.110

TYPE 2
FLAT–BOTTOM* TRENCH, EMBEDMENT LIGHTLY CONSOLIDATED TO CENTERLINE OF PIPE.
E = 200 psi (1,380 kPa), K = 0.110

TYPE 3
PIPE BEDDED ON 4" (100 mm) MINIMUM OF LOOSE SOIL** EMBEDMENT LIGHTLY CONSOLIDATED TO TOP OF PIPE.
E = 400 psi (2,760 kPa), K = 0.102

TYPE 4
PIPE BEDDED ON SAND, GRAVEL OR CRUSHED STONE TO DEPTH OF 1/8 PIPE DIAMETER, 4" (100 mm) MINIMUM. EMBEDMENT COMPACTED TO TOP OF PIPE.(APPROXIMATELY 80% STANDARD PROCTOR, AASHTO T–99 OR ASTM D 698)
E = 1,000 psi (6,900 kPa), K = 0.096

TYPE 5
PIPE EMBEDDED IN COMPACTED GRANULAR MATERIAL TO CENTERLINE OF PIPE. COMPACTED GRANULAR OR SELECT MATERIAL TO TOP OF PIPE. (APPROXIMATELY 90% STANDARD PROCTOR. AASHTO T–99 OR ASTM D 698)
E = 2,000 psi (13,800 kPa), K = 0.083

NOTE: REQUIRED EMBEDMENT TYPE WILL DEPEND ON THE PIPE'S DIMENSION RATIO, INTERNAL OPERATING PRESSURE, AND EXTERNAL LOAD, AND SHALL BE SPECIFIED BY THE PURCHASER.(SEE SEC. 5.3)

*"FLAT–BOTTOM" IS DEFINED AS UNDISTURBED EARTH.
**"LOOSE SOIL" OR "SELECT MATERIAL" IS DEFINED AS NATIVE SOIL EXCAVATED FROM THE TRENCH, FREE OF ROCKS FOREIGN MATERIAL, AND FROZEN EARTH. A SOFT "LOOSE SOIL" BEDDING WILL CONTOUR TO THE PIPE BOTTOM. CAUTION MUST BE EXERCISED TO ENSURE PROPER PLACEMENT OF EMBEDMENT MATERIAL UNDER THE HAUNCHES OF THE PIPE.

From AWWA C.605
UNDERGROUND INSTALLATION OF PVC PIPE

ECUA EMERALD COAST UTILITIES AUTHORITY | SCALE: N.T.S. | DATE: 9/01/2016

PIPE ENVELOPE REQUIREMENTS

DETAIL D-60

DUCTILE IRON

Minimum Pipe Length to be Restrained, L (ft)

Pipe Size (in)	Horizontal Fittings 90°	45°	22.5°	11.25°	Dead End/Valves	Equal Tees	45° Vertical Offset L_{VERT}	L_{VERT}
3	22	10	5	3	46	1	19	10
4	27	11	6	3	56	1	23	11
6	38	16	8	4	79	1	33	16
8	48	20	10	5	101	11	42	20
10	58	24	12	6	123	32	51	24
12	67	28	14	7	144	53	59	28
14	76	32	15	8	164	70	68	32
16	84	35	17	9	182	88	76	35
18	92	38	19	10	201	106	84	39
20	100	42	20	10	219	123	91	43
24	114	48	23	12	255	156	106	49

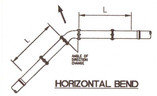
PVC

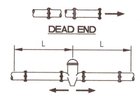
Minimum Pipe Length to be Restrained, L (ft)

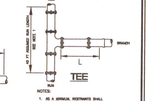
Pipe Size (in)	Horizontal Fittings 90°	45°	22.5°	11.25°	Dead End/Valves	Equal Tees	45° Vertical Offset L_{VERT}	L_{VERT}
4	35	15	7	3	61	1	26	15
6	50	22	9	5	87	1	36	19
8	63	28	12	6	109	1	44	19
10	77	34	15	8	134	14	55	23
12	89	39	18	9	155	31	64	27
14	101	44	20	10	175	48	72	31
16	112	49	22	11	194	65	80	34
18	122	54	24	12	212	81	87	37
20	132	58	26	13	229	97	94	40
24	150	66	29	15	260	128	107	46

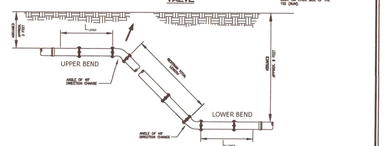
NOTES:

1. CALCULATIONS ARE BASED ON THE FOLLOWING ASSUMPTIONS:
   TEST PRESSURE = 150 PSI, SOIL GROUP = SM, TRENCH TYPE = 3, DEPTH = 3.5', SAFETY FACTOR = 2
2. WITH EQUAL TEES, THE DISTANCE OF THE RUN LENGTH IS ASSUMED TO BE 40', FOR OTHER RUN LENGTHS, INDIVIDUAL CALCULATIONS MUST BE MADE.
3. AS A MINIMUM, PIPE RESTRAINTS ARE TO BE PLACED ON THE FIRST JOINT FROM THE FITTING.
4. FOR ALL NEW CONSTRUCTION, WHEN A PIPE MUST BE INSTALLED IN A CASING THE REQUIRED JOINT RESTRAINTS MUST ALSO BE INSTALLED INSIDE THE CASING. THE CASING IS TO BE CONSIDERED UNSTABLE.
5. FOR AN EXISTING MAIN LOCATED UNDER A PAVED SURFACE, THE CONTRACTOR WILL NOT BE REQUIRED TO PLACE RESTRAINTS ON THE EXISTING PIPE.
6. FOR AN EXISTING MAIN NOT LOCATED UNDER A PAVED SURFACE, THE CONTRACTOR WILL BE REQUIRED TO PLACE RESTRAINTS ON THE EXISTING PIPE.
7. L = IS THE CALCULATED LENGTH OF PIPE TO BE RESTRAINED.









VERTICAL OFFSET PROFILE

ECUA EMERALD COAST UTILITIES AUTHORITY | SCALE: N.T.S. | DATE: 9/01/2016

PIPE JOINT RESTRAINT TABULATION

DETAIL D-62

DUCTILE IRON

STRAIGHT REDUCERS — Minimum Pipe Length to be Restrained, L (ft)

Pipe Diameter (in)	4	6	8	10	12	14	16	18	20	24
3	33	54	81							
4		40	72	100	124					
6			41	75	103	130	152			
8			43	77	108	133	159			
10				41	77	107	136	161		
12				43	78	110	137	166		
14					45	78	108	165		
16						42	77	139		
18							41	139		
20								77		

REDUCING TEES — Minimum Pipe Length to be Restrained, Ls (ft)

Pipe Diameter (in)	4	6	8	10	12	14	16	18	20	24
3	1	1	1							
4		1	1	1	1	1				
6			1	1	1	1	1	1	1	
8				1	1	1	1	1	1	1
10					1	1	1	1	1	1
12						1	1	1	1	1
14							55	78	21	1
16								71	59	27
18									94	66
20										99

PVC

STRAIGHT REDUCERS — Minimum Pipe Length to be Restrained, L (ft)

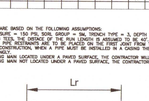
Pipe Diameter (in)	4	6	8	10	12	14	16	18	20	24
3	24	71	107							
4		55	90	132	164					
6			58	99	136	172	203			
8				57	101	136	167	210		
10					74	103	142	180	253	
12						97	133	146	180	246
14							94	109	148	217
16								96	102	184
18									93	143
20										101

REDUCING TEES — Minimum Pipe Length to be Restrained, Ls (ft)

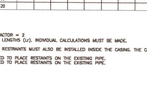
Pipe Diameter (in)	4	6	8	10	12	14	16	18	20	24
3	1	1	1							
4		1	1	1	1	1	1			
6			1	1	1	1	1	1	1	1
8				1	1	1	1	1	1	1
10					1	1	1	1	1	1
12						1	1	1	1	1
14							1	1	1	1
16								1	1	1
18									1	1
20										1

NOTES:

1. CALCULATIONS ARE BASED ON THE FOLLOWING ASSUMPTIONS:
   TEST PRESSURE = 150 PSI, SOIL GROUP = SM, TRENCH TYPE = 3, DEPTH = 3.5', SAFETY FACTOR = 2
2. WITH EQUAL TEES, THE DISTANCE OF THE RUN LENGTH IS ASSUMED TO BE 40', FOR OTHER RUN LENGTHS (Lr), INDIVIDUAL CALCULATIONS MUST BE MADE.
3. AS A MINIMUM, PIPE RESTRAINTS ARE TO BE PLACED ON THE FIRST JOINT FROM THE FITTING.
4. FOR ALL NEW CONSTRUCTION, WHEN A PIPE MUST BE INSTALLED IN A CASING THE REQUIRED JOINT RESTRAINTS MUST ALSO BE INSTALLED INSIDE THE CASING. THE CASING IS TO BE CONSIDERED UNSTABLE.
5. FOR AN EXISTING MAIN LOCATED UNDER A PAVED SURFACE, THE CONTRACTOR WILL NOT BE REQUIRED TO PLACE RESTRAINTS ON THE EXISTING PIPE.
6. FOR AN EXISTING MAIN NOT LOCATED UNDER A PAVED SURFACE, THE CONTRACTOR WILL BE REQUIRED TO PLACE RESTRAINTS ON THE EXISTING PIPE.



REDUCING TEE



STRAIGHT REDUCER

ECUA EMERALD COAST UTILITIES AUTHORITY | SCALE: N.T.S. | DATE: 9/01/2016

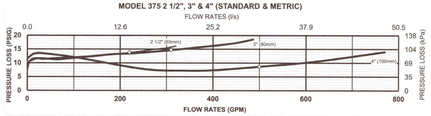
PIPE JOINT RESTRAINT REDUCERS & REDUCING TEES

DETAIL D-63

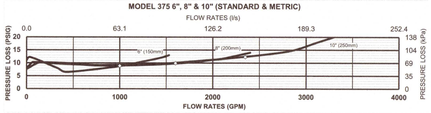
Flow Characteristics

○ Rated Flow (established by approval agencies)

MODEL 375 2 1/2", 3" & 4" (STANDARD & METRIC)



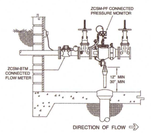
MODEL 375 6", 8" & 10" (STANDARD & METRIC)



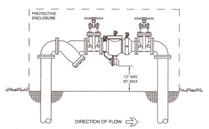
Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.

Capacity thru Schedule 40 Pipe (GPM)					
Pipe size	5 ft/sec	7.5 ft/sec	10 ft/sec	15 ft/sec	
2 1/2"	75	112	149	224	
3"	115	173	230	346	
4"	198	298	397	595	
6"	450	675	900	1351	
8"	780	1169	1559	2339	
10"	1229	1843	2458	3687	
12"	1763	2644	3525	5288	



INDOOR INSTALLATION
(375OSY with ZCSM-PF Connected Pressure Monitor and ZCSM-BTM Connected Flow Meter accessories)



OUTDOOR INSTALLATION

Specifications

The Reduced Pressure Principle Backflow Prevention Assembly shall be certified to NSF/ANSI/CAN 61, ASSE® Listed 1013, and supplied with full port gate valves. The main body and access cover shall be epoxy coated ductile iron (ASTM A 536), the seat ring and check valve shall be NORYL™, the stem shall be stainless steel (ASTM A 276) and the seat disc elastomers shall be EPDM. The checks and the relief valve shall be accessible for maintenance without removing the device from the line. The Reduced Pressure Principle Backflow Prevention Assembly shall be a ZURN WILKINS Model 375.

Zurn Industries, LLC | Wilkins
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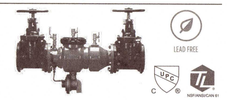
In Canada | **Zurn Industries Limited**
7900 Goreway Drive, Unit 10, Brampton, Ontario L6T 5W6, 877-892-5216
www.zurn.com

ZURN

Model 375
Reduced Pressure Principle Assembly



LEAD FREE

NSF/ANSI/CAN 61

Application
Designed for installation on potable water lines to protect against both backsiphonage and backpressure of contaminated water into the potable water supply. The Model 375 provides protection where a potential health hazard exists. Ideal for use where lead-free* valves are required.

Standards Compliance
(Unless Otherwise Noted, Sizes 2 1/2" Thru 10")
- ASSE® Listed 1013
- IAPMO® Listed
- CSA® Certified B64.4 (2 1/2" thru 8")
- AWWA Compliant C511, and C550
- FM® Approved
- UL® Classified
- C-UL® Classified
- NYC MEA 49-01-M Vol 2
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California.
- Meets the requirements of NSF/ANSI/CAN 61*
*(0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

Materials

Main valve body	Ductile Iron ASTM A 536
Access covers	Ductile Iron ASTM A 536
Coatings	NSF Approved fusion epoxy finish
Internals	Stainless steel, 300 Series NORYL™
Fasteners	Stainless Steel, 300 Series
Seal rings	EPDM (FDA approved)
O-rings	Buna Nitrile (FDA approved)
Springs	Stainless Steel, 300 Series
Sensing line	Stainless Steel, braided hose

Features

Sizes:	2 1/2", 3", 4", 6", 8", 10"
Maximum working water pressure	175 PSI
Maximum working water temperature	140°F
Hydrostatic test pressure	350 PSI
End connections (Grooved for steel pipe) (Flanged)	AWWA C606 ANSI B16.42 Class 150

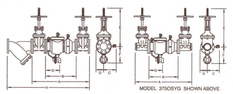
Attention:
Model 375 (flange body) and Model 375A (grooved body) have different lay lengths.

Options (Suffixes can be combined)
- ☐ FSC - with epoxy coated wye type strainer (flanged only)
- ☐ G - with grooved end NRS gate valves
- ☐ GF - with grooved inlet connection and flanged outlet connection
- ☐ FG - with flanged inlet connection and grooved outlet connection
- ☐ L - less shut-off valves (flanged body connections)
- ☐ OSY - with OS&Y gate valves
- ☐ PI - with Post Indicator gate valve
- ☐ BG - with grooved end butterfly valves with integral supervisory switches

*New Connected Products. Search ZCSM-PF on Zurn.com for details.

Accessories
- ☐ Connected Pressure Monitor (Model ZCSM-PF)*
- ☐ Connected Flow Meter Option (Model ZCSM-BTM must be ordered with Model ZCSM-PF)*
- ☐ OS & Y Gate valve tamper switch (OSY-40
- ☐ Air gap (Model AG)
- ☐ QT-SET Quick Test Fitting Set
- ☐ Repair kit (rubber only)
- ☐ Thermal expansion tank (Model XT)
- ☐ Wireless Monitor Retrofit Kit for conversion of existing model 375 (212-6-RFK-375W1, 8-10-RFK-375W1)

Relief Valve discharge port:
2 1/2" - 6" - 2.75 sq. in.
8" - 10" - 3.69 sq. in.



MODEL 375OSYG SHOWN ABOVE

Dimensions & Weights (do not include pkg.)

MODEL/ SIZE	DIMENSION (approximate) A		B LESS GATE VALVES		C		D		E		F		G		H		WEIGHT LESS MAIN VALVE OPTIONS		NRS WITH GATE VALVES FLANGED		OSMY GATE VALVES FLANGED		OSMY GATE VALVES GROOVED		BUTTERFLY VALVES GROOVED	
	in.	mm	in.	mm	in.	mm	in.	mm	GATE OPEN in.	GATE OPEN mm	GATE CLOSED in.	GATE CLOSED mm	BFV GATE in.	BFV GATE mm	E BUTTERFLY VALVES in.	E BUTTERFLY VALVES mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs	kg
2 1/2	46	1168	20	508	7	178	10	254	5	127	36	914	17	432	12	305	4	102	7	178	5	127	8	203	6	152	60	27
3	50	1270	20	508	7	178	10	254	5	127	36	914	17	432	12	305	4	102	7	178	5	127	8	203	6	152	62	28
4	50	1270	20	508	7	178	10	254	5	127	36	914	17	432	12	305	4	102	7	178	5	127	8	203	6	152	62	28
6	50	1270	20	508	7	178	10	254	5	127	36	914	17	432	12	305	4	102	7	178	5	127	8	203	6	152	62	28
8	50	1270	20	508	7	178	10	254	5	127	36	914	17	432	12	305	4	102	7	178	5	127	8	203	6	152	62	28
10	54	1372	20	508	7	178	10	254	5	127	36	914	17	432	12	305	4	102	7	178	5	127	8	203	6	152	62	28
12	54	1372	20	508	7	178	10	254	5	127	36	914	17	432	12	305	4	102	7	178	5	127	8	203	6	152	62	28
14	54	1372	20	508	7	178	10	254	5	127	36	914	17	432	12	305	4	102	7	178	5	127	8	203	6	152	62	28
16	54	1372	20	508	7	178	10	254	5	127	36	914	17	432	12	305	4	102	7	178	5	127	8	203	6	152	62	28
18	54	1372	20	508	7	178	10	254	5	127	36	914	17	432	12	305	4	102	7	178	5	127	8	203	6	152	62	28
20	54	1372	20	508	7	178	10	254	5	127	36	914	17	432	12	305	4	102	7	178	5	127	8	203	6	152	62	28
24	54	1372	20	508	7	178	10	254	5	127	36	914	17	432	12	305	4	102	7	178	5	127	8	203	6	152	62	28

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Rev. M
Date: 9/21
Document No. BF-375
Patent No. 5, 913, 331
Product No. Model 375

OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1)	JOINT SPACING • CROSSINGS (FULL JOINT CENTERED)
STORM SEWER, STORMWATER FORCE MAIN	WATER MAIN — 3 FT. MINIMUM — OTHER PIPE	WATER MAIN — 12 INCHES IS THE MINIMUM, EXCEPT FOR STORM SEWER, THEN 6 INCHES IS THE MINIMUM AND 12 INCHES IS PREFERRED — OTHER PIPE	ALTERNATE 3 FT. MINIMUM — WATER MAIN
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN	WATER MAIN — 10 FT. PREFERRED 6 FT. MINIMUM (2) — OTHER PIPE	WATER MAIN — 12 INCHES IS THE MINIMUM, EXCEPT FOR GRAVITY SEWER, THEN 6 INCHES IS THE MINIMUM AND 12 INCHES IS PREFERRED — OTHER PIPE	ALTERNATE 6 FT MINIMUM — WATER MAIN

(1) WATER MAIN SHOULD CROSS ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
(2) 3 FT. GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.

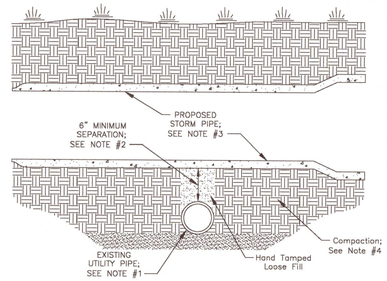
NOTES:

A. INFORMATION PROVIDED FROM FDEP RULE 62–555. IF OTHER FDEP RULES CONFLICT, THEN USE THE MOST STRINGENT RULE.
B. IF THERE ARE CONFLICTS IN THE SEPARATION REQUIREMENTS BETWEEN COLLECTION SYSTEMS AND DRINKING WATER FACILITIES ESTABLISHED IN FOOTNOTES (1) AND (2) ABOVE AND THOSE ESTABLISHED IN CHAPTER 62–532 OR 62–555, F.A.C., THEN THE REQUIREMENTS IN CHAPTER 62–532 OR 62–555, F.A.C., SHALL APPLY.

ECUA EMERALD COAST UTILITIES AUTHORITY | SCALE: N.T.S. | DATE: 9/01/2016

WATER / SEWER SEPARATION

DETAIL D-64



NOTES FOR STORM SYTEM INSTALLATION:

1. The first step in avoiding any potential conflict between a proposed storm system design and an existing utility pipe is confirmation of the exact horizontal and vertical location of the existing utility pipe. Per industry standard best management practices, the storm system designer should have the exisitng utility pipe exposed and survey the exact horizontal location and vertical elevation prior to designing the storm system, thus allowing conflicts to be avoided as much as possible, or, when needed, utility relocations designed into contract.
2. Maintain at least 6" of vertical separation as shown from the exterior of the storm pipe to the exterior of the utility pipe. In situations where 6" cannot be provided, then E.C.U.A. will determine if less than 6" will be allowed. Separations less than 3" are generally not allowed.
3. Contractor shall layout storm system piping such that midpoint of storm pipe segment is centered over utility pipe as much as practical. Bell and spigot ends of storm pipe shall be kept as far away from utility pipe as possible.
4. In order to 'bridge' utility pipe, Contractor shall compact soil under entire segment of storm pipe that is over utility pipe to 98% modified Proctor for a depth of 12" below storm pipe, while taking care not to damage utility pipe. Fill space between utility pipe and storm pipe with loose fill and hand tamp.

ECUA EMERALD COAST UTILITIES AUTHORITY | SCALE: N.T.S. | DATE: 9/01/2016

STORM SEWER VERTICAL SEPARATION

DETAIL D-66

48 HOURS BEFORE YOU DIG CALL SUNSHINE
1-800-432-4770
IT'S THE LAW IN FLORIDA

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR; NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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24 HOUR EMERGENCY CONTACT

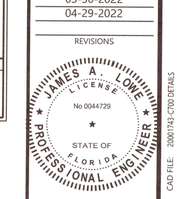
ATWELL
866.850.4200 www.atwell-group.com
1800 PARKWAY PLACE, SUITE 700
MARIETTA, GA
COA # PEF005804

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
ECUA DETAILS

SEC 18, TSP 2S, RNG 31W
9500 W HIGHWAY 98
18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

DATE
10-26-2021
01-26-2022
03-02-2022
03-30-2022
04-29-2022

REVISIONS



DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C705

CAD FILE: 20001743-C700 DETAILS

NOT-ISSUED-FOR-CONSTRUCTION

FILE NAME: K:\20001743 Pensacola Grocery - Blue Angel Plaza\Design\SiteCAD PRODUCTION\20001743-C700 DETAILS.dwg LAST SAVED BY: gwilburn 4/14/2022 3:08 PM PLOTTED BY: Hana Wright 4/28/2022 PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG To PDF 300DPI.PC3 PLOT STYLE: ATWELL.CTB

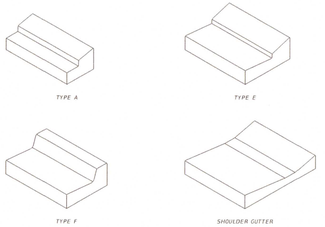
GENERAL NOTES:

1. For curb, gutter and curb & gutter provide ½" - ¾" contraction joints at 10' centers (max.). Contraction joints adjacent to concrete pavement shall be located to match the joints in the pavement joints, with intermediate joints not to exceed 30' centers.

2. Locate expansion joints for curb, gutter and curb & gutter in accordance with Specification 520.

TABLE OF CONTENTS:

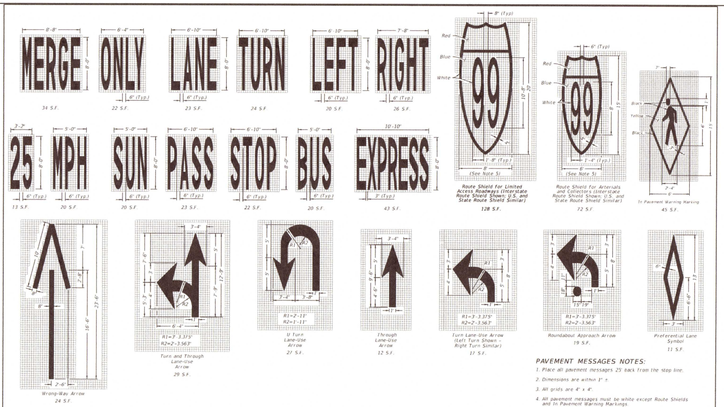
Sheet	Description
1	General Notes and Contents
2	Concrete Curb and Gutter
3	Curb and Gutter Joints and Endings, Concrete Bumper Guard, and Asphaltic Concrete Curb



TYPE A, TYPE E, TYPE F, AND SHOULDER GUTTER
(Other Types Similar)

CONCRETE BUMPER GUARD

LAST REVISION 11/01/21 | DESCRIPTION: | FDOT | FY 2022-23 STANDARD PLANS | CURB AND GUTTER | INDEX 520-001 | SHEET 1 of 3



PAVEMENT MESSAGE AND ARROW DETAILS

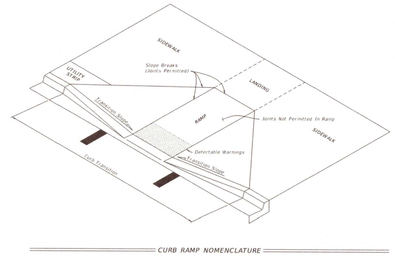
PAVEMENT MESSAGES NOTES:

1. Place all pavement messages 25 back from the stop line.
2. Dimensions are within 7" ±.
3. All grids are 4' x 4'.
4. All pavement messages must be white except Route Shields and In Pavement Warning Markings.
5. Increase width of route shield for routes with three digits.

LAST REVISION 11/01/21 | DESCRIPTION: | FDOT | FY 2022-23 STANDARD PLANS | PAVEMENT MARKINGS | INDEX 711-001 | SHEET 1 of 13

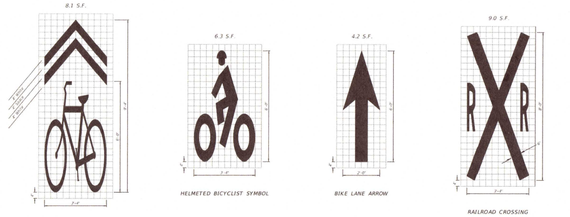
GENERAL NOTES:

1. Cross Slopes and Grades:
   A. Sidewalk, ramp, and landing slopes (i.e. 0.02, 0.05, and 1.12) shown in this Index are the maximum allowable. The engineer, or designee, may provide the minimum feasible slope where the requirements cannot be met.
   B. Landings must have cross-slopes less than or equal to 0.02 in any direction.
   C. Maintain a single longitudinal slope along each side of the curb ramp. Ramp slopes are not required to exceed 15 feet in length.
   D. Joints permitted at the location of Slope Breaks. Otherwise locate joints in accordance with Index 522-001. No joints are permitted within the ramp portion of the Curb Ramp.
2. Curb, Curb and Gutter and/or Sidewalk:
   A. Refer to Index 522-001 for concrete thickness and sidewalk details.
   B. Remove any existing curb, curb and gutter, or sidewalk to the nearest joint beyond the curb transitions to the extent that no remaining section is less than 5 feet long.
   C. Width of Curb Ramp is 4'-0" minimum. Match sidewalk or Shared Use Path width as shown in the Plans.
3. Curb Ramp Alpha-Identification:
   A. Sidewalk curb ramp alpha-identifications (e.g. CR-A) are provided for reference purposes in the Plans.
   B. Alpha-identifications CR-I and CR-J are intentionally omitted.
4. Detectable Warnings:
   A. Install detectable warnings in accordance with Specification 527.
   B. Place detectable warnings across the full width of the ramp or landing, to a minimum depth of 2 feet measured perpendicular to the curb line and no greater than 5 feet from the back of the curb or edge of pavement.
   C. If detectable warnings are shown in the Plans on slopes greater than 5%, align the truncated domes with the centerline of the ramp, otherwise, the truncated domes are not required to be aligned.



CURB RAMP NOMENCLATURE

LAST REVISION 11/01/21 | DESCRIPTION: | FDOT | FY 2022-23 STANDARD PLANS | DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS | INDEX 522-002 | SHEET 1 of 7



NOTES:

1. All bicycle markings and pavement messages shall be White.
2. All bicycle markings shall be preformed thermoplastic.
3. All grids are 6' x 6'.

STANDARD PAVEMENT MARKING MESSAGE LAYOUTS

LAST REVISION 11/01/17 | DESCRIPTION: | FDOT | FY 2022-23 STANDARD PLANS | BICYCLE MARKINGS | INDEX 711-002 | SHEET 1 of 2

SHEET	TABLE OF CONTENTS
1	General Notes, TTC Tables
2	Definitions Temporary Traffic Control Devices Pavement Work Railroads Sight Distance Above Ground Hazard
3	Clear Zone Widths For Work Zones Superelevation Length Of Lane Closures Overweight/Oversize Vehicles Lane Widths High-Visibility Safety Apparel Speed Reduction Signing
4	Flagger Control Survey Work Zones Signs
5	Work Zone Sign Supports
6	Commonly Used Warning and Regulatory Signs In Work Zones
7	Manholes/Crossroads/Joints Truck Mounted Attenuators Signals Channelizing Devices Channelizing Devices Consistency Advanced Warning Arrow Boards
8	Drop-Offs In Work Zones
9	Business Entrance Temporary Asphalt Separator
10	Channelizing Devices Notes Temporary Barrier Notes
11	Pavement Markings

GENERAL NOTES:

1. This Index contains information specific to the Federal and State guidelines and standards for the preparation of traffic control plans and for the execution of traffic control in work zones, for construction and maintenance operations and utility work on highways, roads and streets on the State Highway System. Certain requirements in this Index are based on the high volume nature of State Highways. For highways, roads and streets off the State Highway System, the local agency (City/County) having jurisdiction may adopt requirements based on the minimum requirements provided in the MUTCD.
2. Use this Index in accordance with the Plans and Indexes 102-601 through 102-680. Indexes 102-601 through 102-680 are Department-specific typical applications of commonly encountered situations. Adjust device location or number thereof as recommended by the Worksite Traffic Supervisor and approved by the Engineer. Devices include, but are not limited to, flaggers, portable temporary signals, signs, pavement markings, and channelizing devices. Comply with MUTCD or applicable Department criteria for any changes and document the reason for the change.
3. Except for emergencies, any road closure on State Highway System must comply with Section 335.15, F.S.

TABLE 1
CHANNELIZING DEVICE SPACING

Work Zone Speed (mph)	Max Spacing (Feet) Cones or Tubular Markers		Type I Barricades, Type II Barricades, Vertical Panels	
	Taper	Tangent	Taper	Tangent
≤ 45	25	50	25	50
≥ 50	75	50	50	100

TABLE 2
TAPER LENGTH "L"

Work Zone Speed (mph)	Min. Length (Feet)
≤ 40	$L = \frac{WS^2}{60}$
≥ 45	$L = WS$

Where: W = width of offset in feet
S = speed in mph

TABLE 3
WORK ZONE SIGN SPACING "X"

Road Type	Min. Spacing (Feet)
Arterials and Collectors with Work Zone Speed ≥ 40 mph	200
Arterials and Collectors with Work Zone Speed ≤ 35 mph	100
Local Roads and Streets	1,500

For limited access roadways with work zone speed ≥ 55 mph, the minimum spacing may be reduced in accordance with the MUTCD and as approved by the Engineer.

TABLE 4
BUFFER LENGTH "B"

Work Zone Speed (mph)	Min. Length (Feet)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

Note: When Buffer Length "B" is greater than the site or operations constraints, use the greatest length possible, but for less than 155 feet.

MULTILANE ROADWAY SHOWN, TWO-LANE ROADWAY SIMILAR

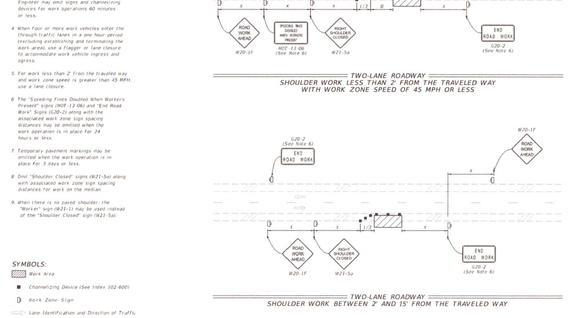
NOTES:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work beyond the shoulder.
2. Use Index 102-602 when the work operation (including establishing and terminating the work area) requires that two or more work vehicles cross the Offset Zone in any one hour period.
3. Use Index 102-660 when Work Area encroaches a Sidewalk.

SYMBOLS:

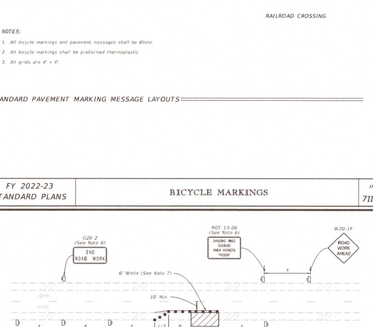
Work Area
Lane Identification and Direction of Traffic

LAST REVISION 11/01/20 | DESCRIPTION: | FDOT | FY 2022-23 STANDARD PLANS | GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES | INDEX 102-600 | SHEET 1 of 11



NOTE:

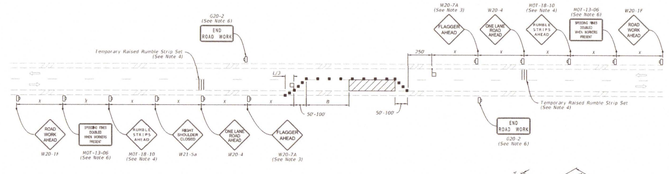
1. This Index applies to two-lane, two-way roadways and Multilane Roadways, including medians of divided roadways, with work on the shoulder.
2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.
3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.
4. When Four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a Flagger or lane closure to accommodate work vehicle ingress and egress.
5. For work less than 2' from the travelled way and work zone speed is greater than 45 MPH, use a lane closure.
6. The "Speeding Fines Doubled When Workers Present" sign (NOT-13.06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.
8. One "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).



SYMBOLS:

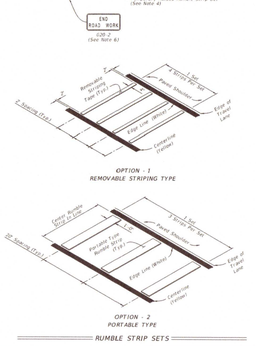
Work Area
Channelizing Device (See Index 102-600)
Work Zone Sign
Lane Identification and Direction of Traffic

LAST REVISION 11/01/21 | DESCRIPTION: | FDOT | FY 2022-23 STANDARD PLANS | TWO-LANE AND MULTILANE, WORK ON SHOULDER | INDEX 102-602 | SHEET 1 of 2



NOTES:

1. This Index applies to Two-Lane, Two-Way Roadways with work within the traveled way.
2. L = Taper Length
   B = Buffer Length
   X = Work Zone Sign Spacing
   See Index 102-600 for "L", "B", "X" and channelizing device spacing values.
3. Optionally, use "Flagger Ahead" sign with symbol (W20-7) instead of "Flagger Ahead" sign with text (W20-7A).
4. Use temporary raised rumble strips when the existing posted speed is 55 mph or greater and the work duration is greater than 60 minutes. If temporary raised rumble strips are not used, omit "Rumble Strips Ahead" signs (NOT-18.10) and associated work zone sign spacing.
5. Additional one-way control may be provided by the following means:
   a. Flag-carrying vehicle
   b. Official vehicle
   c. Pilot vehicles
   d. Traffic signals
   When Flaggers are the sole means of one-way control, the Flaggers must be in sight of each other or in direct communication at all times.
6. The "Speeding Fines Doubled When Workers Present" signs (NOT-13.06) and "End Road Work" signs (G20-2), along with associated work zone sign spacing, may be omitted when the work operation will be in place for 24 hours or less.
7. Automated Flagger Assistance Devices (AFADs) may be used in accordance with Specification Sections 102, 990 and the AFL vendor drawings.
8. Railroad Crossings:
   a. If an active railroad crossing is located closer to the Work Area than the queue length plus 300 feet, extend the Buffer Space as shown on Sheet 2.
   b. If the queuing of vehicles across an active railroad crossing cannot be avoided, provide a uniformed traffic control officer or Flagger at the highway-rail grade crossing to prevent vehicles from stopping within the highway-rail grade crossing, even if automatic train warning devices are in place.



RUMBLE STRIP SETS

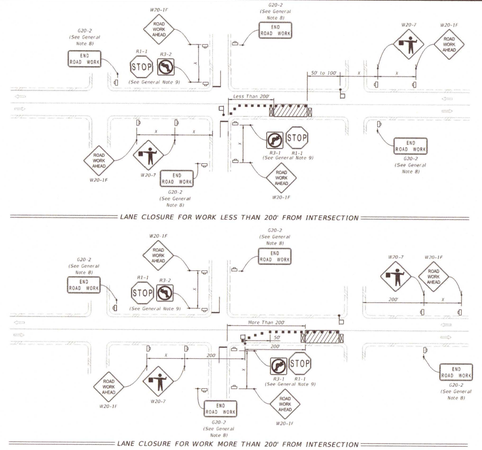
SYMBOLS:

Work Area
Channelizing Device (See Index 102-600)
Work Zone Sign
Flagger
Lane Identification and Direction of Traffic

LAST REVISION 11/01/21 | DESCRIPTION: | FDOT | FY 2022-23 STANDARD PLANS | TWO-LANE, TWO-WAY WORK WITHIN THE TRAVEL WAY | INDEX 102-603 | SHEET 1 of 2

GENERAL NOTES:

1. This Index applies to two-lane, two-way roadways with work within or near the roadway.
2. X = Work Zone Sign Spacing
   See Index 102-600 for "X" and channelizing device spacing values.
3. Optionally, use "Flagger Ahead" sign with text (W20-7A) instead of "Flagger Ahead" sign with symbol (W20-7).
4. If vehicles in a parking zone block the line of sight to TCZ signs, locate and post mount signs in accordance with Index 700-101.
5. If the work area extends across a crosswalk, close the crosswalk in accordance with Index 102-660.
6. District Traffic Operations Engineer must approve temporary signal phasing modifications prior to beginning of work.
7. For unsignalized intersections, use Temporary Raised Rumble Strips in accordance with Index 102-603. Placement of Rumble Strips and additional signs should begin at FLAGGER sign location.
8. The "End Road Work" signs (G20-2) along with the associated work zone sign distances may be omitted when the work zone will be in place for 24 hours or less.
9. As an option to the "STOP" sign (R1-1) and Restricted Left/Right Turning Movement sign (R3-1 or R3-2), the SIDE ROAD INTERSECTING THE WORK ZONE Flagging operation from Index 102-602 may be used.



LAST REVISION 11/01/21 | DESCRIPTION: | FDOT | FY 2022-23 STANDARD PLANS | TWO-LANE, TWO-WAY, INTERSECTION WORK | INDEX 102-604 | SHEET 1 of 2

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NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR; NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OR OF ANY OTHER PERSONS.

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9500 W HIGHWAY 98
18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
FDOT DETAILS

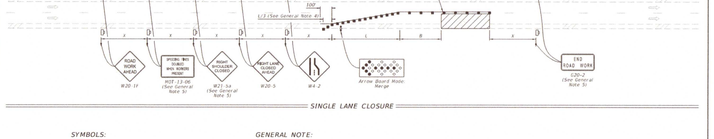
DATE
01-26-2022
03-02-2022
03-30-2022
04-29-2022
REVISIONS

JAMES A. LOWE LICENSE No 0044729 STATE OF FLORIDA PROFESSIONAL ENGINEER

CAD FILE: 20001743-C706 FDOT DETAILS

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C706

FILE NAME: K:\20001743 Pensacola Grocery - Blue Angel Pkwy\20001743-C706 FDOT DETAILS.dwg LAST SAVED BY: rgwilhem 2/9/2022 1:28 PM PLOTTED BY: Hans Wolpe 4/29/2022 PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF 3000DPI.PC3 PLOT STYLE: ATWELL.CTB



SINGLE LANE CLOSURE

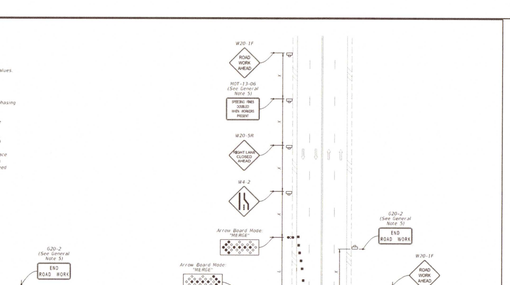
SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Arrow Board
- Lane Identification and Direction of Traffic

GENERAL NOTE:

1. L = Taper Length
   B = Buffer Length
   X = Work Zone Sign Distance
   See Index 102-600 for "L", "B", "X", and channelizing device spacing values.
2. On undivided highways the median signs as shown are to be omitted.
3. On limited access facilities, omit "Right Shoulder Closed" signs (W21-5a) and associated work zone sign spacing distances.
4. If the paved shoulder is less than 4' in width, omit the taper and channelizing devices from the paved shoulder.
5. The "Speeding Fines Doubled When Workers Present" signs (NOT-13-06) and "End Road Work" sign (G20-2), along with associated work zone sign distances, may be omitted when the work operation will be in place for 24 hours or less. For Single Lane Closures, arrow boards and buffer (B) may also be omitted when the work operation will be in place for 60 minutes or less and the speed limit is 45 mph or less.
6. Use inverted plan of the illustrations for work on left side of roadways.
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

LAST REVISION 11/01/21	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	MULTILANE ROADWAY, LANE CLOSURES	INDEX 102-613	SHEET 1 of 5



GENERAL NOTES:

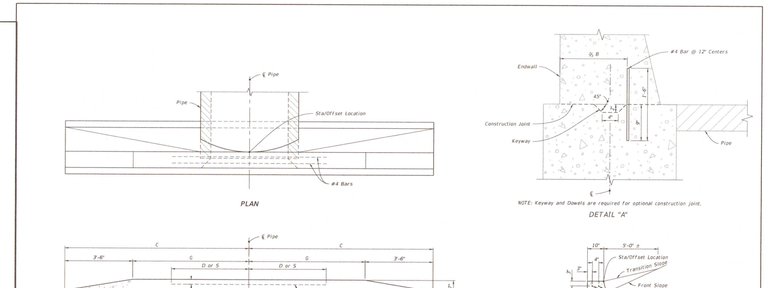
1. L = Taper Length
   B = Buffer Length
   X = Work Zone Sign Distance
   See Index 102-600 for "L", "B", "X", and channelizing device spacing values.
2. If vehicles in a parking zone block the line of sight to TCZ signs, locate and post mount signs in accordance with Index 700-101.
3. District Traffic Operations Engineer must approve temporary signal phasing modifications prior to beginning of work.
4. Use temporary "STOP" sign (R1-1) where the existing stop bar is more than 30' from the taper. remove or cover existing sign.
5. The "Speeding Fines Doubled When Workers Present" sign (NOT-13-06) and "End Road Work" Sign (G20-2), along with associated Work Zone Sign Distances, may be omitted when the work operation will be in place for 24 hours or less. Additionally, arrow boards may be omitted when the work operation will be in place for 60 minutes or less and the speed limit is 45 mph or less.
6. If the work area extends across a crossover, close the crossover in accordance with Index 102-660.
7. Dual signs are required for divided roadways.

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Type 111 Barricade
- Arrow Board
- Stop Bar
- Lane Identification and Direction of Traffic

WORK IN INTERSECTION OF MULTILANE ROADWAY

LAST REVISION 11/01/21	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	MULTILANE ROADWAY, INTERSECTION WORK	INDEX 102-615	SHEET 1 of 5



CONCRETE ENDWALL DETAILS

LAST REVISION 11/01/19	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	STRAIGHT CONCRETE ENDWALLS SINGLE AND MULTIPLE PIPE	INDEX 430-030	SHEET 2 of 4

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ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
FDOT DETAILS

DATE
01-26-2022
03-02-2022
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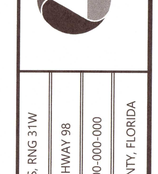
04-29-2022
REVISIONS



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PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C707

CAD FILE: 20001743-C706 FDOT DETAILS

ROUND CONCRETE AND CORRUGATED METAL PIPE

Pipe Type	Dia D	Opening Area (SF)	Dimensions										Class II - Concrete (CC)										Dia D
		Number Of Pipes	A	B	C	E	F	G	Y	X			Number Of Pipe And Skew Angle Of Pipe (s)										
		1 2 3 4								0°	15°	30°	Single 45°	0°	15°	Double 30°	45°	0°	15°	Triple 30°	45°	Quadruple 0° 15° 30° 45°	
Concrete	18"	1.77 2.54 3.53 4.68	2'-2"	1'-4"	0'-8"	1'-11"	2'-5"	0'-6"	2'-10"	2'-10"	2'-11"	3'-3"	4'-0"	1.03	1.09	1.06	1.15	1.14	1.14	1.06	1.20	1.16	1.20	1.20	1.20	1.14	1.14	1.20	1.20	18"
	24"	3.14 4.52 6.28 8.38	2'-8"	1'-4"	0'-8"	2'-5"	2'-5"	0'-6"	3'-4"	3'-4"	3'-5"	3'-9"	4'-6"	1.77	1.83	1.85	1.93	1.93	1.93	1.85	2.01	1.96	2.01	2.01	2.01	1.93	1.93	2.01	2.01	24"
	30"	4.91 7.07 9.82 13.06	2'-8"	1'-4"	0'-8"	2'-5"	2'-5"	0'-6"	3'-10"	3'-10"	3'-11"	4'-3"	4'-10"	2.24	2.82	2.84	2.91	3.06	3.39	3.43	3.57	3.87	3.97	4.03	4.24	4.69	4.69	4.24	4.69	30"
	36"	7.07 10.18 13.85 18.10	3'-2"	1'-4"	0'-8"	2'-5"	2'-5"	0'-6"	4'-4"	4'-4"	4'-5"	4'-9"	5'-5"	2.71	3.41	3.43	3.52	3.70	4.10	4.15	4.32	4.68	4.80	4.87	5.13	5.67	5.67	5.13	5.67	36"
	42"	9.62 13.85 18.86 24.64	3'-2"	1'-4"	0'-8"	2'-5"	2'-5"	0'-6"	4'-10"	4'-10"	4'-11"	5'-3"	6'-0"	3.18	4.00	4.03	4.13	4.34	4.81	4.87	5.07	5.49	5.63	5.71	6.02	6.65	6.65	6.02	6.65	42"
	48"	12.57 18.10 24.64 32.20	3'-8"	2'-1"	0'-8"	2'-5"	2'-5"	0'-6"	5'-4"	5'-4"	5'-5"	5'-9"	6'-7"	3.65	4.59	4.62	4.74	4.98	5.52	5.59	5.82	6.30	6.46	6.55	6.91	7.63	7.63	6.91	7.63	48"
	54"	15.90 22.90 31.17 40.72	3'-8"	2'-1"	0'-8"	2'-5"	2'-5"	0'-6"	5'-10"	5'-10"	5'-11"	6'-3"	7'-2"	4.13	5.20	5.23	5.37	5.64	6.25	6.33	6.59	7.13	7.31	7.41	7.82	8.63	8.63	7.82	8.63	54"
	60"	19.63 28.27 38.48 50.27	4'-2"	2'-6"	0'-8"	2'-5"	2'-5"	0'-6"	6'-4"	6'-4"	6'-5"	6'-9"	7'-9"	4.59	5.76	5.80	5.95	6.25	6.93	7.02	7.31	7.91	8.10	8.21	8.67	9.57	9.57	8.67	9.57	60"
	66"	23.76 34.21 46.56 60.82	4'-2"	2'-6"	0'-8"	2'-5"	2'-5"	0'-6"	6'-10"	6'-10"	6'-11"	7'-3"	8'-4"	5.06	6.34	6.39	6.55	6.88	7.63	7.73	8.05	8.71	8.92	9.04	9.55	10.54	10.54	9.55	10.54	66"
	72"	28.27 40.72 55.42 72.38	4'-8"	2'-11"	0'-8"	2'-5"	2'-5"	0'-6"	7'-4"	7'-4"	7'-5"	7'-9"	8'-11"	5.58	6.98	7.04	7.21	7.58	8.40	8.51	8.86	9.59	9.82	9.95	10.51	11.60	11.60	10.51	11.60	72"
Corrugated Metal	18"	1.77 2.54 3.53 4.68	2'-2"	1'-4"	0'-8"	1'-11"	2'-5"	0'-6"	2'-10"	2'-10"	2'-11"	3'-3"	4'-0"	1.03	1.09	1.06	1.15	1.14	1.14	1.06	1.20	1.16	1.20	1.20	1.20	1.14	1.14	1.20	1.20	18"
	24"	3.14 4.52 6.28 8.38	2'-8"	1'-4"	0'-8"	2'-5"	2'-5"	0'-6"	3'-4"	3'-4"	3'-5"	3'-9"	4'-6"	1.77	1.83	1.85	1.93	1.93	1.93	1.85	2.01	1.96	2.01	2.01	2.01	1.93	1.93	2.01	2.01	24"
	30"	4.91 7.07 9.82 13.06	2'-8"	1'-4"	0'-8"	2'-5"	2'-5"	0'-6"	3'-10"	3'-10"	3'-11"	4'-3"	4'-10"	2.24	2.82	2.84	2.91	3.06	3.39	3.43	3.57	3.87	3.97	4.03	4.24	4.69	4.69	4.24	4.69	30"
	36"	7.07 10.18 13.85 18.10	3'-2"	1'-4"	0'-8"	2'-5"	2'-5"	0'-6"	4'-4"	4'-4"	4'-5"	4'-9"	5'-5"	2.71	3.41	3.43	3.52	3.70	4.10	4.15	4.32	4.68	4.80	4.87	5.13	5.67	5.67	5.13	5.67	36"
	42"	9.62 13.85 18.86 24.64	3'-2"	1'-4"	0'-8"	2'-5"	2'-5"	0'-6"	4'-10"	4'-10"	4'-11"	5'-3"	6'-0"	3.18	4.00	4.03	4.13	4.34	4.81	4.87	5.07	5.49	5.63	5.71	6.02	6.65	6.65	6.02	6.65	42"
	48"	12.57 18.10 24.64 32.20	3'-8"	2'-1"	0'-8"	2'-5"	2'-5"	0'-6"	5'-4"	5'-4"	5'-5"	5'-9"	6'-7"	3.65	4.59	4.62	4.74	4.98	5.52	5.59	5.82	6.30	6.46	6.55	6.91	7.63	7.63	6.91	7.63	48"
	54"	15.90 22.90 31.17 40.72	3'-8"	2'-1"	0'-8"	2'-5"	2'-5"	0'-6"	5'-10"	5'-10"	5'-11"	6'-3"	7'-2"	4.13	5.20	5.23	5.37	5.64	6.25	6.33	6.59	7.13	7.31	7.41	7.82	8.63	8.63	7.82	8.63	54"
	60"	19.63 28.27 38.48 50.27	4'-2"	2'-6"	0'-8"	2'-5"	2'-5"	0'-6"	6'-4"	6'-4"	6'-5"	6'-9"	7'-9"	4.59	5.76	5.80	5.95	6.25	6.93	7.02	7.31	7.91	8.10	8.21	8.67	9.57	9.57	8.67	9.57	60"
	66"	23.76 34.21 46.56 60.82	4'-2"	2'-6"	0'-8"	2'-5"	2'-5"	0'-6"	6'-10"	6'-10"	6'-11"	7'-3"	8'-4"	5.06	6.34	6.39	6.55	6.88	7.63	7.73	8.05	8.71	8.92	9.04	9.55	10.54	10.54	9.55	10.54	66"
	72"	28.27 40.72 55.42 72.38	4'-8"	2'-11"	0'-8"	2'-5"	2'-5"	0'-6"	7'-4"	7'-4"	7'-5"	7'-9"	8'-11"	5.58	6.98	7.04	7.21	7.58	8.40	8.51	8.86	9.59	9.82	9.95	10.51	11.60	11.60	10.51	11.60	72"

ELLIPTICAL CONCRETE AND CORRUGATED METAL PIPE ARCH

Pipe Type	Rise R	Span S	Opening Area (SF)	Dimensions										Class II - Concrete (CC)										Rise R	Span S	Approx Equiv. Round
			Number Of Pipes					X						Number Of Pipe And Skew Angle Of Pipe (s)												
			1	2	3	4	A	B	C	E	F	G	Y	Single 0°	Double 0°	15°	30°	45°	Triple 0°	15°	30°	45°	Quadruple 0°	15°	30°	45°			
Concrete	14"	18"	1.3	2.6	3.9	5.2	1'-4"	1'-2"	0'-5"	1'-10"	1'-2"	0'-3"	2'-10"	1.45	1.46	1.51	1.60	1.80	1.82	1.91	2.09	2.16	2.20	2.23	2.60	14"	18"	15"
	19"	24"	2.2	4.4	6.6	8.8	1'-8"	1'-5"	0'-6"	2'-4"	1'-5"	0'-4"	3'-6"	2.11	2.13	2.20	2.33	2.62	2.65	2.78	3.04	3.15	3.20	3.25	3.79	19"	24"	20"
	24"	30"	3.5	6.9	10.4	13.8	2'-0"	1'-7"	0'-7"	2'-10"	1'-8"	0'-5"	4'-2"	2.77	2.80	2.89	3.06	3.44	3.48	3.65	3.99	4.13	4.20	4.27	4.97	24"	30"	24"
	29"	36"	5.1	10.1	15.2	20.3	2'-4"	1'-10"	0'-8"	3'-4"	1'-11"	0'-6"	4'-10"	3.44	3.47	3.58	3.79	4.26	4.31	4.52	4.94	5.12	5.20	5.29	6.16	29"	36"	30"
	34"	42"	7.1	14.1	21.2	28.3	2'-8"	2'-1"	0'-9"	3'-10"	2'-2"	0'-7"	5'-6"	4.18	4.22	4.35	4.61	5.18	5.24	5.49	6.00	6.22	6.32	6.43	7.49	34"	42"	36"
	38"	48"	9.2	18.4	27.6	36.8	3'-0"	2'-4"	0'-10"	4'-4"	2'-5"	0'-8"	6'-2"	4.92	4.96	5.12	5.42	6.09	6.16	6.45	7.06	7.31	7.43	7.56	8.81	38"	48"	42"
	43"	54"	11.5	23.0	34.5	46.0	3'-4"	2'-7"	1'-0"	4'-10"	2'-8"	0'-9"	6'-10"	5.66	5.71	5.89	6.24	7.00	7.09	7.42	8.12	8.41	8.55	8.70	10.13	43"	54"	48"
	48"	60"	14.2	28.4	42.6	56.8	3'-8"	2'-11"	1'-2"	5'-4"	2'-11"	0'-10"	7'-6"	6.63	6.69	6.90	7.31	8.20	8.30	8.69	9.51	9.85	10.01	10.18	11.86	48"	60"	54"
	53"	66"	17.3	34.6	51.9	69.2	4'-0"	3'-2"	1'-3"	5'-10"	3'-2"	1'-0"	8'-2"	7.66	7.73	7.97	8.44	9.47	9.59	10.04	10.99	11.38	11.56	11.76	13.70	53"	66"	60"
	58"	72"	20.5	41.0	61.5	82.0	4'-4"	3'-5"	1'-4"	6'-4"	3'-5"	1'-1"	8'-10"	8.77	8.84	9.12	9.65	10.83	10.97	11.48	12.56	13.01	13.21	13.44	15.66	58"	72"	66"
	63"	78"	24.0	48.0	72.0	96.0	4'-8"	3'-8"	1'-5"	6'-10"	3'-8"	1'-2"	9'-6"	9.96	10.04	10.36	10.96	12.30	12.46	13.04	14.27	14.78	15.01	15.27	17.79	63"	78"	72"
	67"	84"	27.6	55.1	82.7	110.2	5'-0"	4'-0"	1'-6"	7'-4"	4'-0"	1'-3"	10'-2"	11.23	11.32	11.68	12.35	13.86	14.04	14.70	16.08	16.66	16.92	17.21	20.05	67"	84"	78"
	72"	90"	31.4	62.8	94.2	125.6	5'-4"	4'-3"	1'-8"	7'-10"	4'-3"	1'-4"	10'-10"	12.57	12.67	13.07	13.82	15.52	15.72	16.45	18.00	18.65	18.95	19.27	22.45	72"	90"	84"
Corrugated Metal	14"	18"	1.3	2.6	3.9	5.2	1'-4"	1'-2"	0'-5"	1'-10"	1'-2"	0'-3"	2'-10"	1.45	1.46	1.51	1.60	1.80	1.82	1.91	2.09	2.16	2.20	2.23	2.60	14"	18"	15"
	19"	24"	2.2	4.4	6.6	8.8	1'-8"	1'-5"	0'-6"	2'-4"	1'-5"	0'-4"	3'-6"	2.11	2.13	2.20	2.33	2.62	2.65	2.78	3.04	3.15	3.20	3.25	3.79	19"	24"	20"
	24"	30"	3.5	6.9	10.4	13.8	2'-0"	1'-7"	0'-7"	2'-10"	1'-8"	0'-5"	4'-2"	2.77	2.80	2.89	3.06	3.44	3.48	3.65	3.99	4.13	4.20	4.27	4.97	24"	30"	24"
	29"	36"	5.1	10.1	15.2	20.3	2'-4"	1'-10"	0'-8"	3'-4"	1'-11"	0'-6"	4'-10"	3.44	3.47	3.58	3.79	4.26	4.31	4.52	4.94	5.12	5.20	5.29	6.16	29"	36"	30"
	34"	42"	7.1	14.1	21.2	28.3	2'-8"	2'-1"	0'-9"	3'-10"	2'-2"	0'-7"	5'-6"	4.18	4.22	4.35	4.61	5.18	5.24	5.49	6.00	6.22	6.32	6.43	7.49	34"	42"	36"
	38"	48"	9.2	18.4	27.6	36.8	3'-0"	2'-4"	0'-10"	4'-4"	2'-5"	0'-8"	6'-2"	4.92	4.96	5.12	5.42	6.09	6.16	6.45	7.06	7.31	7.43	7.56	8.81	38"	48"	42"
	43"	54"	11.5	23.0	34.5	46.0	3'-4"	2'-7"	1'-0"	4'-10"	2'-8"	0'-9"	6'-10"	5.66	5.71	5.89	6.24	7.00	7.09	7.42	8.12	8.41	8.55	8.70	10.13	43"	54"	48"
	48"	60"	14.2	28.4	42.6	56.8	3'-8"	2'-11"	1'-2"	5'-4"	2'-11"	0'-10"	7'-6"	6.63	6.69	6.90	7.31	8.20	8.30	8.69	9.51	9.85	10.01	10.18	11.86	48"	60"	54"
	53"	66"	17.3	34.6	51.9	69.2	4'-0"	3'-2"	1'-3"	5'-10"	3'-2"	1'-0"	8'-2"	7.66	7.73	7.97	8.44	9.47	9.59	10.04	10.99	11.38	11.56	11.76	13.70	53"	66"	60"
	58"	72"	20.5	41.0	61.5	82.0	4'-4"	3'-5"	1'-4"	6'-4"	3'-5"	1'-1"	8'-10"	8.77	8.84	9.12	9.65	10.83	10.97	11.48	12.56	13.01	13.21	13.44	15.66	58"	72"	66"
	63"	78"	24.0	48.0	72.0	96.0	4'-8"	3'-8"	1'-5"	6'-10"	3'-8"	1'-2"	9'-6"	9.96	10.04	10.36	10.96	12.30	12.46	13.04	14.27	14.78	15.01	15.27	17.79	63"	78"	72"
	67"	84"	27.6	55.1	82.7	110.2	5'-0"	4'-0"	1'-6"	7'-4"	4'-0"	1'-3"	10'-2"	11.23	11.32	11.68	12.35	13.86	14.04	14.70	16.08	16.66	16.92	17.21	20.05	67"	84"	78"
	72"	90"	31.4	62.8	94.2	125.6	5'-4"	4'-3"	1'-8"	7'-10"	4'-3"	1'-4"	10'-10"	12.57	12.67	13.07	13.82	15.52	15.72	16.45	18.00	18.65	18.95	19.27	22.45	72"	90"	84"

NOTES:

1. Dimension X is calculated as: X = S*SEC θ.
2. Select tabular quantities using skew values as follows:

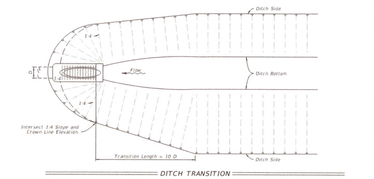
End Skew to Pipe	Use Tabulated Value
0° to 9°	0°
9° to 19°	15°
19° to 30°	30°
31° or Over	45°

CONCRETE AND METAL PIPE TABLES

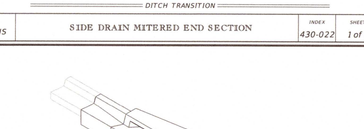
LAST REVISION 11/01/21	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	STRAIGHT CONCRETE ENDWALLS SINGLE AND MULTIPLE PIPE	INDEX 430-030	SHEET 3 of 4

GENERAL NOTES:

1. Unless otherwise designated in the plans, concrete pipe mitered end sections may be used with any type of solid wall pipe, corrugated steel pipe mitered end sections may be used with any type of side drain pipe except aluminum pipe, and, corrugated aluminum mitered end sections may be used with any type of side drain pipe except steel pipe. When bituminous coated metal pipe is specified for side drain pipe, construct the mitered end sections with like pipe or concrete pipe. When the mitered end section pipe is dissimilar to the side drain pipe, construct a concrete jacket in accordance with Index 430-001.
2. Use either corrugated metal or concrete mitered end sections for corrugated polyethylene pipe (HDPE), polyvinil-chloride pipe (PVC), steel reinforced polyethylene pipe (SRPE), and polypropylene pipe (PP). When used in conjunction with corrugated mitered end sections, make connection using either a formed metal band specifically designated to join HDPE, PVC, SRPE, or PVC pipe. When used in conjunction with a concrete mitered end sections, construct concrete jacket in accordance with Index 430-001.
3. Use class NS concrete cast-in-place reinforced slabs for all cross drain pipes.
4. Select lengths of concrete pipe that avoid excessive connections in the assembly of the mitered end section.
5. Repair corrugated metal pipe galvanizing that is damaged during beveling and perforating.
6. When existing multiple side drain pipes are spaced other than the dimensions shown in this Index, have temporarily axes, or non-uniform sections, either construct the mitered end sections separately as single pipe or collectively as multiple pipe end sections as directed by the Engineer.
7. Saddle Slope:
   1:4 Miter – Slope to ℄ of pipe for round pipes less than or equal to 18" diameter and 1:1 for round pipes greater than or equal to 24" diameter.
   Slope to the major axis for elliptical pipes 24"x38" or smaller and 1:2 for pipes 29"x45" or larger.
   Slope to the span line for pipe arch 28"x20" or smaller and 1:2 for pipe arch 35"x24" or larger.
   1:2 Miter – Slope to ℄ of pipe for round pipes less than or equal to 18"diameter and 1:2 for round pipes greater than or equal to 24" diameter.
   Slope to the major axis for elliptical pipes 29"x45" or smaller and 1:1 for pipes 34"x53" or larger.
   Slope 1:1 for all pipe arch sizes.
8. Quantities shown are for estimating purposes only.



SIDEDRAIN MITERED END SECTION
(Concrete Pipe Shown, Corrugated Metal Pipe Similar)



DITCH TRANSITION

TABLE OF CONTENTS:

Sheet	Description
1	General Notes and Contents
2	Single and Multiple Concrete Pipe
3	Concrete Pipe Dimensions and Quantities and Permissible Pavement Modifications
4	Single and Multiple Corrugated Metal Pipe
5	Corrugated Metal Dimensions and Quantities
6	Concrete Pipe Connection and Corrugated Metal Pipe Anchor Details
7	Fastener Unit and Grate Details

LAST REVISION 11/01/19	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	SIDE DRAIN MITERED END SECTION	INDEX 430-022	SHEET 1 of 7

TABLE OF CONTENTS:

SHEET	TABLE OF CONTENTS
1	General Notes, TTC Tables
2	Definitions Temporary Traffic Control Devices
3	Overhead Work Railroads Sight Distance Above Ground Hazard
4	Clear Zone Widths For Work Zones Superelevation Length Of Lane Closures
5	Oversight/Oversize Vehicles Lane Widths High-Visibility Safety Apparel Speed Reduction Signing
6	Flagger Control Survey Work Zones Signs
7	Work Zone Sign Supports
8	Commonly Used Warning and Regulatory Signs In Work Zones
9	Flashers/Crosshacks/Arrows Truck Mounted Attenuators Signals Channelizing Devices Channelizing Devices Consistency Advanced Warning Arrow Boards
10	Drop-Offs In Work Zones Business Entrance Temporary Asphalt Separator Channelizing Devices Notes
11	Temporary Barrier Notes Pavement Markings

GENERAL NOTES:

1. This Index contains information specific to the Federal and State guidelines and standards for the preparation of traffic control plans and for the execution of traffic control in work zones, for construction and maintenance operations and utility work on Highways, roads and streets on the State Highway System. Certain requirements in this Index are based on the high volume nature of State Highways. For highways, roads and streets off the State Highway System, the local agency (City/County) having jurisdiction may adopt requirements based on the minimum requirements provided in the MUTCD.
2. Use this Index in accordance with the Plans and Indexes 102-601 through 102-680. Indexes 102-601 through 102-680 are Department-specific typical applications of commonly encountered situations. Adjust device location or number thereof as recommended by the Worksite Traffic Supervisor and approved by the Engineer. Devices include, but are not limited to, Flaggers, portable temporary signals, arrow boards, signs, and channelizing devices. Comply with MUTCD or applicable Department criteria for any changes and document the reasons for the change.
3. Except for emergencies, any road closure on State Highway System must comply with Section 335.15, F.S.

TABLE 1
CHANNELIZING DEVICE SPACING

Work Zone Speed (mph)	Max. Spacing (feet) Cones or Temporary Tubular Markers	Type I Barricades, Type II Barricades, Vertical Panels, or Drums	Type III Barricades
≤ 45	25	50	100
≥ 50	25	50	100

TABLE 2
TAPER LENGTH "L"

Work Zone Speed (mph)	Min. Length (feet)
≤ 45	L = WS/60
≥ 45	L = WS

Where: W = width of offset in feet
S = speed in mph

TABLE 3
WORK ZONE SIGN SPACING "X"

Road Type	Min. Spacing (feet)
Arterials and Collectors with Work Zone Speed ≤ 45 mph	200
Arterials and Collectors with Work Zone Speed ≥ 45 mph	500
Limited Access Roadways *	1,500

* For Limited access roadways with work zone speed ≥ 55 mph, the minimum spacing may be reduced in accordance with the NOTICE and as approved by the Engineer.

TABLE 4
BUFFER LENGTH "B"

Work Zone Speed (mph)	Min. Length (feet)
20	115
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

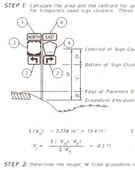
Note: Main Buffer Length "B" may be reduced to fit site geometric constraints, use the greatest length possible, but no less than 125 Feet.

LAST REVISION 11/01/20	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES	INDEX 102-600	SHEET 1 of 11

GENERAL NOTES:

1. Use a 1-piece cover, unless the 2-piece cover is called for in the Plans, except at inlets and manholes with sump bottoms. Use the 2-piece cover when the sump depth exceeds 2', unless otherwise noted.
2. Include "Adjustable" on the cover for Type 1 manhole

STEP 1: Calculate the area and the centroid for an individual sign or a sign cluster. Note that the centroid and areas have been calculated for frequently used sign clusters. These are shown on Sheets 7, 8, and 9.



	Size $A \times B$	Area of Sign A_n	Centroid Global X_n	Centroid Global Y_n	A_n	$Y_n \times A_n$	$Y_n \times A_n$
	(in. x in.)	(sq.ft.)	(in.)	(in.)	(in.²)	(in.³)	(in.³)
1	21 x 15	7.5	103.5-13.5 = 13.5	7.5	113	-4,252.5	2,362.5
2	21 x 15	7.5	103+13.5+13.5 = 133.5	7.5	113	-14,252.5	2,362.5
3	24 x 24	12	-12+13.5 = 13.5	15+12+2 = 28	576	-7,776	16,128
4	24 x 24	12	12+13.5 = 13.5	15+12+2 = 28	436	5,886	12,208
5	24 x 12	6	-12-13.5 = -13.5	15+12+24+6 = 47	288	-3,888	13,536
6	24 x 12	6	12+13.5 = 13.5	15+12+24+6 = 47	288	3,888	13,536
				TOTALS	2,218	-7,890	60,133

$1.(A_n) = 2,218$ in.² $= 15.4$ ft.² $\qquad 1.(Y_n \times A_n) = -7,890$ in.³ $= -1.09$ ft.³ $\qquad 1.(Y_n \times A_n) = 60,133$ in.³ $= 34.8$ ft.³

$$Y_n = \frac{\Sigma\,(Y_n \times A_n)}{\Sigma\,A_n} = -0.1 \text{ ft.} \qquad Y_c = \frac{\Sigma\,(Y_n \times A_n)}{\Sigma\,A_n} = 2.26 \text{ ft.}$$

STEP 2: Determine the height 'H' from groundline to the centroid of the individual sign or sign cluster.

Assume: $B = 1$ ft., $Y_n' = 3$ ft.

Calculated: $Y_n' = -0.1$ ft., $Y_c = 2.26$ ft.

$'H = B + C + D = 10.26$ ft. $\Rightarrow$ USE 11 ft. $\qquad 1.(A_n) = 15.4$ ft.² $\Rightarrow$ USE 16 ft.²

STEP 3: Refer to the Aluminum Column (Post) Selection Tables and find the intersection point. See Sheet 3.

ALUMINUM COLUMN (POST) SELECTION TABLE

TOTAL PANEL AREA (SF)	Column Size (Post)																			
	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5
5.0'	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
7.5'	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
10.0'	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
12.5'	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
15.0'	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
17.5'	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
20.0'	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
22.5'	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
25.0'	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
27.5'	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
30.0'	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
32.5'	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
35.0'	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
37.5'	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
40.0'	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

For $'H = 11$ ft., Area $= 16$ ft.²:

- Refer to the Aluminum Column (Post) Selection Table, from Sheet 3 and shown here for reference.
- To determine the required post size, find the intersection of the row labeled '16 SF' and the column labeled '11 FT'. For the example the intersection value is "4" (4" OD).
- In the Column (Post) and Foundation Table, the value 'P' shows the design requires a 4.0" diameter and 'Q' thick Aluminum Column (Post) and a 2.0' diameter and 3.5' deep Concrete Foundation and 3.6' Stub.

STEP 4: For sign assemblies with signs oriented in two directions, only the sign with the largest area should be analyzed to determine the Column (Post) requirements.

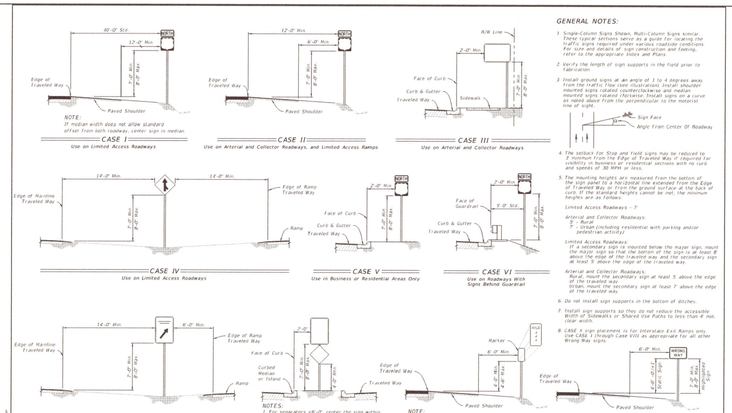
GUIDE TO USE THIS INDEX

SHEET	CONTENTS
1	General Notes and Design Example
2	Design Example – Centroid
3	Column and Foundation Tables
4	Strip Base and Foundation Details
5	Groundline Post, Concrete Stub, and Slip Base Details
6	Wind Beam Connection
7, 8 & 9	Frequently Used Sign Clusters

GENERAL NOTES AND DESIGN EXAMPLE

1. Shop Drawings
   This Index is considered fully detailed. Submit Shop Drawings only for minor modifications not detailed in the Plans.
2. Aluminum Sign, Wind Beams and Column (Post) Materials:
   A. Aluminum Plates: ASTM B209, Alloy 6061-T6
   B. Aluminum Bars and Extruded Shapes: ASTM B221, Alloy 6061-T6
   C. Aluminum Structural Shapes: ASTM B221 Alloy 6061-T6
   D. Aluminum Pipe: ASTM B429, Alloy 6061-T6
   E. Aluminum Wind Material: ER 5356 or 5356
3. Galvanized Steel Slip Base Stub Materials:
   A. Steel Plate and Structural Shapes: ASTM A36 or ASTM A709, Grade 36
   B. Steel Weld Metal: E7018
4. Slip Mounting Bolts, Nuts and Washers:
   A. Stainless Steel Bolts: ASTM F593 Alloy Group 2, Condition A, CW1 or SH1
   B. Aluminum Bolts: ASTM F468 Alloy 2024-T4 or 6061-T6 or 6262-T9
   C. Aluminum Washers: ASTM B221, Alloy 5075-T6
5. Stainless Steel Bolts, Nuts and Washers may be used in lieu of the Aluminum button head and flat head bolts as follows:
   A. Stainless Steel Bolts: ASTM F 593 Alloy Group 2, Condition A, CW1 or SH1
   B. Stainless Steel Nuts: ASTM F 594
6. Sign Column (Post) Bolts, Nuts and Washers:
   A. Galvanized U-Bolt (Column): ASTM A449 or ASTM A193 B7 according to ASTM A153, Class C (Hot-Dip Galvanized after Fabrication)
   B. Aluminum U-Bolt (Sleeve): ASTM F468, Alloy 6061-T6 or 2024-T4 with Hex Nuts F467 6061-T6 or 6262-T9 and Washers B221, Al Clad 2024-T4
   C. Galvanized High Strength Hex Head Bolts (Base/Bolts): ASTM F3125, Grade A325, Type 1
   D. Galvanized Nuts: ASTM A563 Grade D
   E. Galvanized Washers: ASTM F436
   F. Galvanized Bolts (Sleeve): ASTM A307 with Galvanized Hex Nuts and Washers
7. Coatings:
   A. Aluminum Fasteners: Anodic coating (0.0002 inches min.) and chromate sealed
   B. High Strength Steel Bolts Nuts and Washers: ASTM F3329
   C. All other steel items (excluding stainless steel) Hot-dip Galvanize ASTM A123
   D. Repair damaged galvanizing in accordance with Specification 562
8. BREAKAWAY SUPPORTS REQUIREMENTS: Install non-frangible aluminum column (post) (larger than 3½") with breakaway supports as shown on Sheet 4. Signs shielded by barrier wall or guardrail do not require breakaway support.

LAST REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	SINGLE COLUMN GROUND SIGNS	INDEX	SHEET
11/01/20					700-010	1 of 10



GENERAL NOTES:

1. Single-Column Signs Shown. Multi-Column Signs similar. Refer to Index 700-101 for Typical Sections for Placement of the traffic signs required under various roadside conditions. For size and details of sign construction and footing, refer to the appropriate Index and Plans.
2. Verify the length of sign supports in the field prior to fabrication.
3. Install ground signs at an angle of 1 to 4 degrees away from the traffic flow (see illustrations). Install shoulder mounted signs rotated counterclockwise and median mounted signs rotated clockwise so that the sign faces are noted above from the perpendicular to the motorist line of sight.
4. The setback for Stop and Yield signs may be reduced to 2' minimum from the Edge of Traveled Way if required for visibility in business or residential sections with no curb and speeds of 30 MPH or less.
5. The mounting heights are measured from the bottom of the sign panel to a horizontal line extended from the Edge of Traveled Way or from the ground surface at the back of curb. Where these mounting heights cannot be met, the minimum heights are as follows:

   Limited Access Roadways – 7'

   Arterial and Collector Roadways:
   7' – Urban
   5' – Urban (including residential with parking and/or pedestrian activity)

   Limited Access Roadways:
   If a secondary sign is mounted below the major sign, mount the major sign so that the bottom of the sign is at least 8' above the edge of the traveled way and the secondary sign at least 5' above the edge of the traveled way.

   Arterial and Collector Roadways:
   If a secondary sign is mounted below a major sign, mount the major sign so that the bottom of the sign is at least 7' above the edge of the traveled way.
   Urban, mount the secondary sign at least 7' above the edge of the traveled way.
6. Do not install sign supports in the bottom of ditches.
7. Install sign supports so they do not reduce the accessible Width of Sidewalks or Shared Use Paths to less than 4' non clear width.
8. CASE 5 sign placement is for Interstate Exit Ramps only. Use CASE 5 through Case VIII as appropriate for all other Wrong Way signs.

NOTES:
1. For separators ≤6'-0" center the sign within the median. For separators >6'-0" offset the sign 3' (Offset 6'-0" Std. (3'-0" Min.) from Median or Island Nose.

NOTE:
For more information refer to Section 214 of the MUTCD.

LAST REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	TYPICAL SECTIONS FOR PLACEMENT OF SINGLE AND MULTI COLUMN SIGNS	INDEX	SHEET
11/01/21					700-101	1 of 1

SHEET	TABLE OF CONTENTS
1	General Notes, TTC Tables
2	Definitions Temporary Traffic Control Devices Overhead Work Railroads
3	Sight Distance Above Ground Hazard Clear Zone Widths For Work Zones Superelevation Length of Lane Closures Overweight/Oversize Vehicles Lane Widths High-visibility Safety Apparel Speed Reduction Signing
4	Flagger Control Survey Work Zones Signs
5	Work Zone Sign Supports
6	Commonly Used Warning and Regulatory Signs in Work Zones
7	Markings/Crosswalk Closures Truck Mounted Attenuators Signals Channelizing Devices Channelizing Devices Consistency Advanced Warning Arrow Boards
8	Drop-Offs in Work Zones
9	Business Entrance Temporary Asphalt Separator
10	Channelizing Devices Notes Temporary Barrier Notes
11	Pavement Markings

GENERAL NOTES:

1. This Index contains information specific to the Federal and State guidelines and standards for the preparation of traffic control plans and for the execution of traffic control in work zones, for construction and maintenance operations and utility work on highways, roads and streets on the State Highway System. Certain requirements in this Index are based on the high volume nature of State Highways. For highways, roads and streets off the State Highway System, the local agency (City/County) having jurisdiction may adopt requirements based on the minimum requirements provided in the MUTCD.
2. Use this Index in accordance with the Plans and Indexes 102-601 through 102-680. Indexes 102-601 through 102-680 are Department specific typical applications of commonly encountered situations. Adjust device locations, numbers, and types as necessary for the project. Supplement and approved by the Engineer. Devices include, but are not limited to, flaggers, portable temporary signals, signs, pavement markings, and channelizing devices. Comply with MUTCD or applicable Department criteria for any changes and document the reason for the change.
3. Except for emergencies, any road closure on State Highway System must comply with Section 335.15, F.S.

TABLE 1
CHANNELIZING DEVICE SPACING

Work Zone Speed (mph)	Max. Spacing (feet)			
	Cones or Temporary Traffic Barrels	Type I Barricades, Type II Barricades, Type III Barricades		
	Taper	Tangent	Taper	Tangent
≤ 40	25	50	25	50
≥ 45	45	90	45	100

TABLE 2
TAPER LENGTH "L"

Work Zone Speed (mph)	Min. Length (feet)
≤ 40	$L = \frac{WS^2}{60}$
≥ 45	$L = WS$

Where W = width of offset in feet
S = speed in mph

TABLE 3
WORK ZONE SIGN SPACING "X"

Road Type	Min. Spacing (feet)
Arterials and Collectors with Work Zone Speed ≤ 40 mph	200
Arterials and Collectors with Work Zone Speed ≥ 45 mph	500
Limited Access Roadways *	1,500

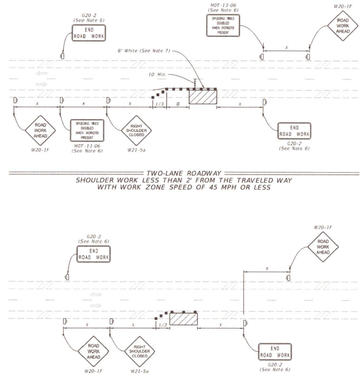
* For Limited Access roadways with work zone speed ≥ 55 mph, the minimum spacing may be reduced in accordance with the MUTCD and as approved by the Engineer.

TABLE 4
BUFFER LENGTH "B"

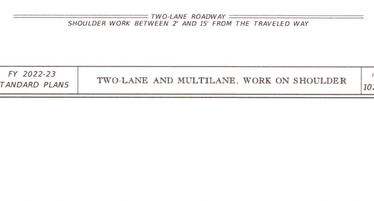
Work Zone Speed (mph)	Min. Length (feet)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

Note: When Buffer Length "B" cannot be attained due to geometric constraints, use the greatest length possible, but not less than 155 feet.

LAST REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES	INDEX	SHEET
11/01/20					102-600	1 of 11



TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY WITH WORK ZONE SPEED OF 45 MPH OR LESS



SYMBOLS:
- Work Area
- Channelizing Device (See Index 102-600)
- D Work Zone Sign
- Lane Identification and Direction of Traffic

TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

NOTE:
1. This Index applies to Two-Lane, Two-Way and Multi-lane Roadways, including Medians of divided roadways, with work on the shoulder.
2. L = Taper Length
   S = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "S", "B", and channelizing device spacing values.
3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.
4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a Flagger or lane closure to accommodate work vehicle ingress and egress.
5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.
6. The "Speeding Fines Doubled When Workers Present" signs (NOT-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.
8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

LAST REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX	SHEET
11/01/21					102-602	1 of 2

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NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR; NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
FDOT DETAILS

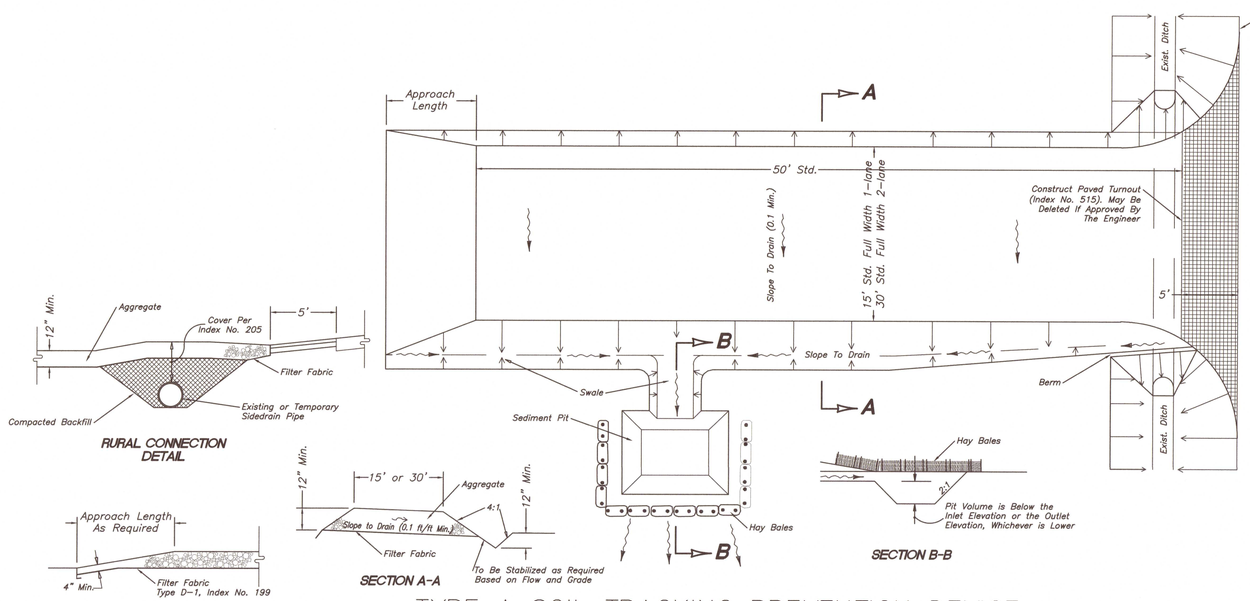
DATE
01-26-2022
03-02-2022
03-30-2022
04-29-2022
REVISIONS

JAMES A. LOWE LICENSE No 0044729 STATE OF FLORIDA PROFESSIONAL ENGINEER

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C708

CAD FILE: 20001743-CDN-FDOT DETAILS

FILE NAME: X:\20001743 Pensacola Grocery - Blue Angel Pkwy\20001743-CDN FDOT DETAILS.dwg LAST SAVED BY: rperthum 1/9/2022 1:28 PM PLOTTED BY: Hans Weigle 4/28/2022 PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) SERVICE: DWG To PDF 3000M.PCS PLOT STYLE: ATWELL.CTB



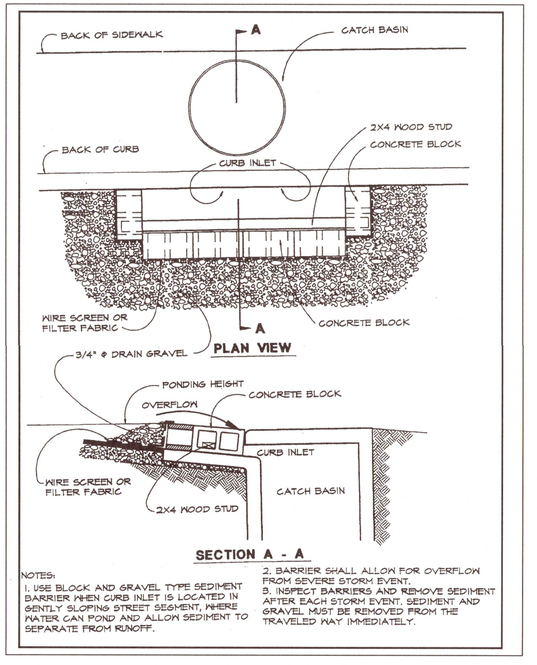
TYPE A SOIL TRACKING PREVENTION DEVICE

SOIL TRACKING DEVICE GENERAL NOTES

1. *A SOIL TRACKING PREVENTION DEVICE (STPD) SHALL BE CONSTRUCTED AT LOCATIONS DESIGNATED BY THE ENGINEER FOR POINTS OF EGRESS FROM UNSTABILIZED AREAS OF THE PROJECT TO PUBLIC ROADS WHERE OFFSITE TRACKING OF MUD COULD OCCUR. TRAFFIC FROM UNSTABILIZED AREAS OF THE CONSTRUCTION PROJECT SHALL BE DIRECTED THRU A STPD. BARRIERS, FLAGGING, OR OTHER POSITIVE MEANS SHALL BE USED AS REQUIRED TO LIMIT AND DIRECT VEHICULAR EGRESS ACROSS THE STPD.*
2. *THE CONTRACTOR MAY PROPOSED AN ALTERNATIVE TO MINIMIZE OFFSITE TRACKING OF SEDIMENT. THE ALTERNATIVE MUST BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO ITS USE.*
3. *ALL MATERIALS SPILLED, DROPPED, OR TRACKED ONTO PUBLIC ROADS (INCLUDING THE STPD AGGREGATE AND CONSTRUCTION MUD) SHALL BE REMOVED DAILY, OR MORE FREQUENTLY IF SO DIRECTED BY THE ENGINEER.*
4. *AGGREGATES SHALL BE AS DESCRIBED IN SECTION 901 EXCLUDING 901-2.3. AGGREGATES SHALL BE FDOT SIZE #1. IF THIS SIZE IS NOT AVAILABLE, THE NEXT AVAILABLE SMALLER SIZE AGGREGATE MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER. SIZES CONTAINING EXCESSIVE SMALL AGGREGATE WILL TRACK OFF THE PROJECT AND ARE UNSUITABLE.*
5. *THE SEDIMENT PIT SHALL PROVIDE A RETENTION VOLUME OF 3600 CUBIC FEET/ACRE OF SURFACE AREA DRAINING TO THE PIT. WHEN THE STPD IS ISOLATED FROM OTHER DRAINAGE AREAS, THE FOLLOWING PIT VOLUMES WILL SATISFY THIS REQUIREMENT:*

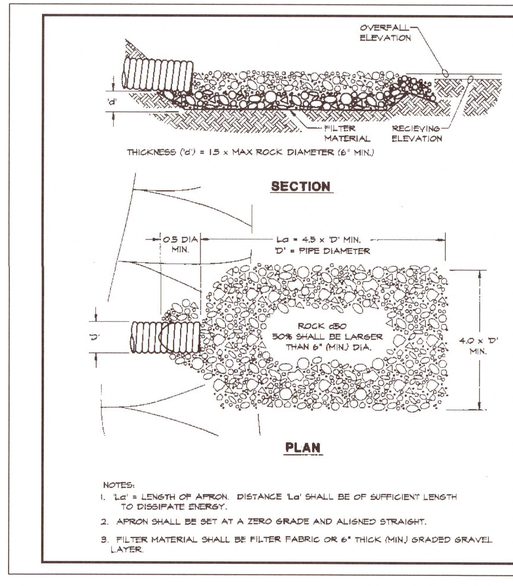
   15'X50'=100 FT^3 30'X50'=200 FT^3

   AS AN OPTION TO THE SEDIMENT PIT, THE WIDTH OF THE SWALE BOTTOM CAN BE INCREASED TO OBTAIN THE VOLUME. WHEN THE SEDIMENT PIT OR SWALE VOLUME HAS BEEN REDUCED TO ONE HALF, IT SHALL BE CLEANED. WHEN A SWALE IS USED, HAY BALES OR SILT FENCE SHALL BE PLACED ALONG THE ENTIRE LENGTH.
6. *THE SWALE DITCH DRAINING THE STPD SHALL HAVE A 0.2% MINIMUM AND A 1.0% MAXIMUM GRADE ALONG THE STPD AND TO THE SEDIMENT PIT.*
7. *MITERED END SECTIONS ARE NOT REQUIRED WHEN THE SIDEDRAIN PIPE SATISFIES THE CLEAR ZONE REQUIREMENTS.*
8. *THE STPD SHALL BE MAINTAINED IN A CONDITION THAT WILL ALLOW IT TO PERFORM ITS FUNCTION. TO PREVENT OFFSITE TRACKING, THE STPD SHALL BE RINSED (DAILY WHEN IN USE) TO MOVE ACCUMULATED MUD DOWNWARD THRU THE STONE. ADDITIONAL STABILIZATION OF THE VEHICULAR ROUTE LEADING TO THE STPD MAY BE REQUIRED TO LIMIT THE MUD TRACKED.*
9. *A STPD SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR SOIL TRACKING PREVENTION DEVICE, EA. THE UNIT PRICE SHALL CONSTITUTE FULL COMPENSATION FOR CONSTRUCTION, MAINTENANCE, REPLACEMENT OF MATERIALS, REMOVAL, AND RESTORATION OF THE AREA UTILIZED FOR THE STPD; INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING, TEMPORARY PIPE (INCLUDING MES WHEN REQUIRED), FILTER FABRIC, AGGREGATE, PAVED TURNOUT (INCLUDING ASPHALT AND BASE CONSTRUCTION), DITCH STABILIZATION, APPROACH ROUTE STABILIZATION, SEDIMENT REMOVAL AND DISPOSAL, WATER, RINSING AND CLEANING OF THE STPD AND CLEANING OF PUBLIC ROADS, GRASSING AND SOD. HAY BALES SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOE HAY OR STRAW BALED, EA. SILT FENCE SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE, LF.*
10. *THE NOMINAL SIZE OF A STANDARD STPD IS 15'X50' UNLESS OTHERWISE SHOWN IN THE PLANS. IF THE VOLUME OF ENTERING AND EXITING VEHICLES WARRANT, A 30' WIDTH STPD MAY BE USED IF APPROVED BY THE ENGINEER. WHEN A DOUBLE WIDTH (30') STPD IS USED, THE PAY QUANTITY SHALL BE 2 FOR EACH LOCATION.*



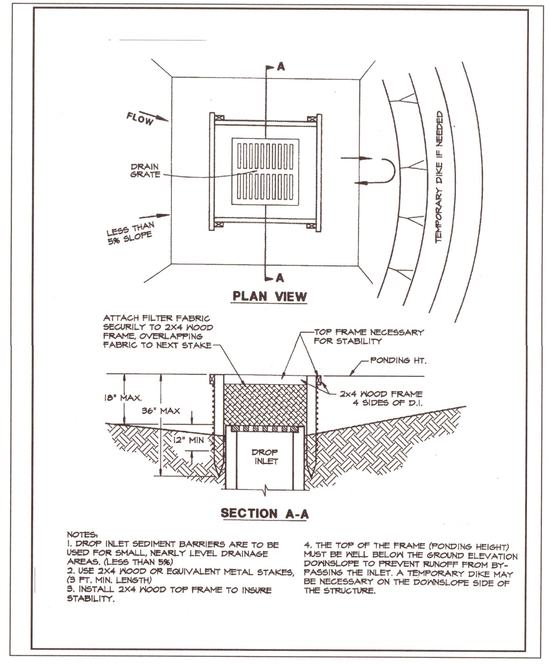
NOTES:
1. USE BLOCK AND GRAVEL TYPE SEDIMENT BARRIER WHEN CURB INLET IS LOCATED IN GENTLY SLOPING STREET SEGMENT, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. BARRIER SHALL ALLOW FOR OVERFLOW FROM SEVERE STORM EVENT.
3. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB INLET PROTECTION



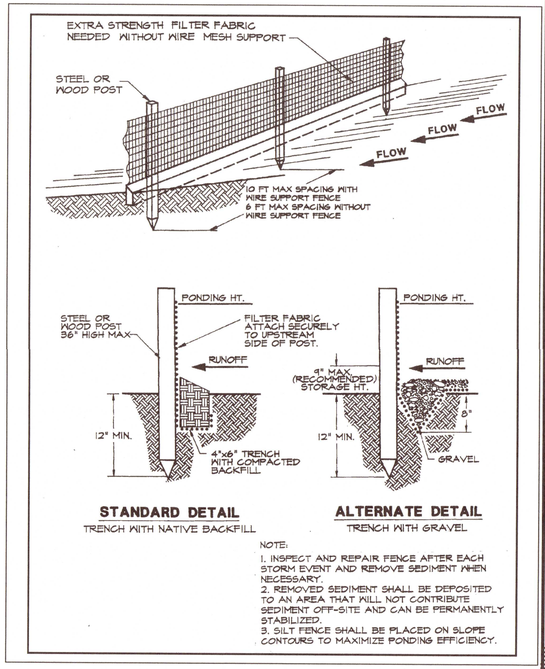
NOTES:
1. 'La' = LENGTH OF APRON. DISTANCE 'La' SHALL BE OF SUFFICIENT LENGTH TO DISSIPATE ENERGY.
2. APRON SHALL BE SET AT A ZERO GRADE AND ALIGNED STRAIGHT.
3. FILTER MATERIAL SHALL BE FILTER FABRIC OR 6" THICK (MIN.) GRADED GRAVEL LAYER.

OUTLET PROTECTION



NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%)
2. USE 2X4 WOOD OR EQUIVALENT METAL STAKES, (3 FT. MIN. LENGTH)
3. INSTALL 2X4 WOOD TOP FRAME TO INSURE STABILITY.
4. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY-PASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

SILT FENCE INLET PROTECTION



NOTE:
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE

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18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
SWPPP DETAILS

DATE
10-26-2021
01-26-2022
03-02-2022
03-30-2022
04-29-2022
REVISIONS

JAMES A. LOWE LICENSE No 0044729 STATE OF FLORIDA PROFESSIONAL ENGINEER

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. C800

CAD FILE: 20001743-C800 EROSION DETAILS
NOT-ISSUED-FOR-CONSTRUCTION

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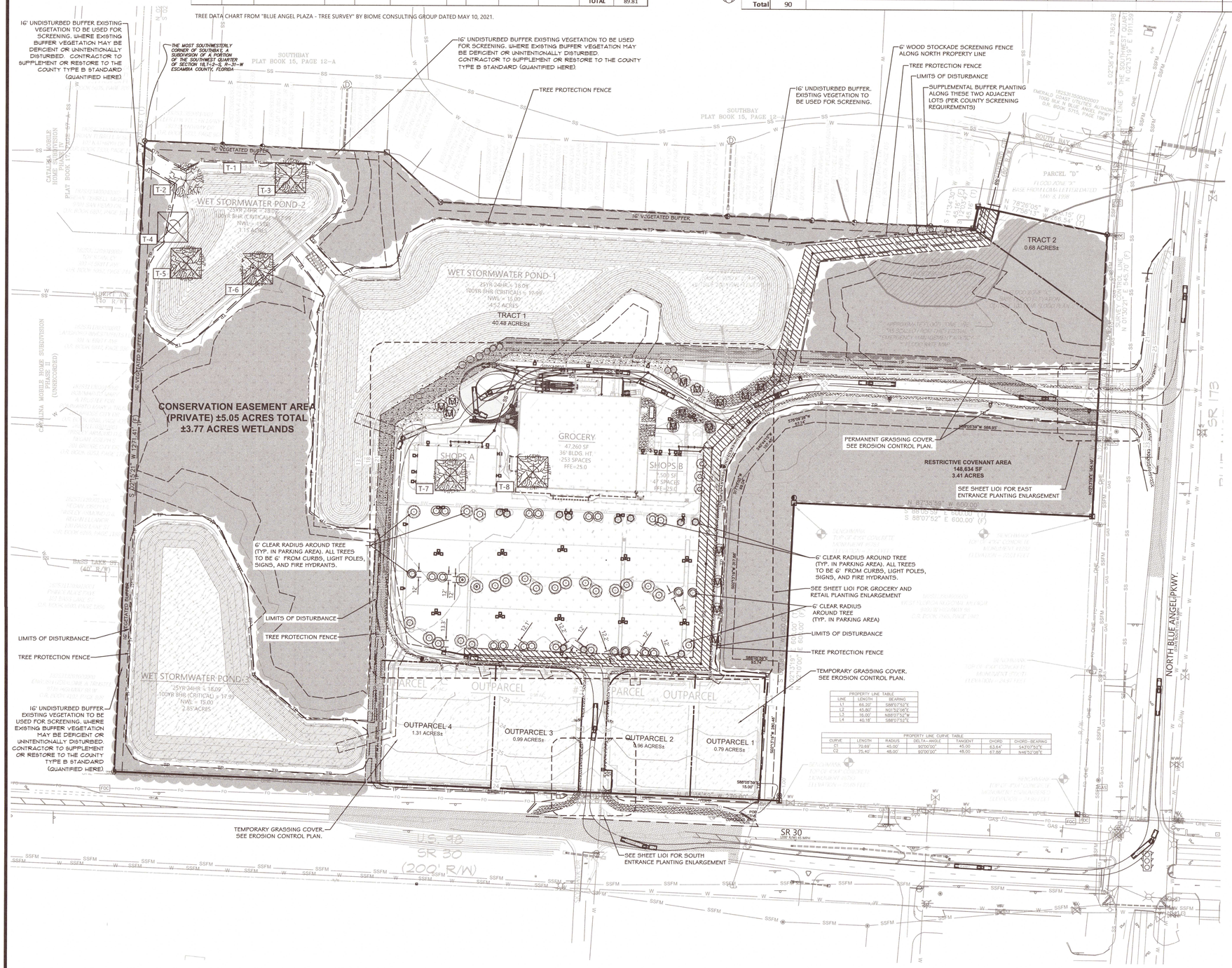
BLUE ANGEL PLAZA TREE DATA

NUMBER	FLAG NUMBER	SCIENTIFIC NAME	LATITUDE	LONGITUDE	COMMON NAME	DBH 1	DBH 2	DBH SUM OF INCHES SQUARED	FINAL DBH CALCULATION	NOTES	DBH TO BE REMOVED
T-1	R5	*Quercus virginiana*	30.407073	-87.348189	Live Oak	16.5		272.25	16.50		0.00
T-2	S2	*Quercus virginiana*	30.406941	-87.348676	Live Oak	12.4	10.6	266.12	16.31		16.31
T-3	R6	*Quercus hemisphaerica*	30.406982	-87.34801	Darlington Oak	15.5		240.25	15.50	Stressed	0.00
T-4	S1	*Quercus virginiana*	30.406681	-87.348747	Live Oak	13.5		182.25	13.50		13.50
T-5	S3	*Quercus virginiana*	30.406481	-87.34865	Live Oak	13.5		182.25	13.50		13.50
T-6	R3	*Quercus virginiana*	30.406468	-87.348234	Live Oak	15		225	15.00		15.00
T-7	R1	*Quercus virginiana*	30.405347	-87.34694	Live Oak	19.5		380.25	19.50		19.50
T-8	R2	*Magnolia virginiana*	30.405383	-87.346412	Sweet Bay Magnolia	12		144	12.00		12.00
										TOTAL	89.81

TREE DATA CHART FROM "BLUE ANGEL PLAZA - TREE SURVEY" BY BIOME CONSULTING GROUP DATED MAY 10, 2021.

TREE LIST

Trees	Quantity	Botanical	Common	Size	Container	Remarks	Percentage
CA	17	Carpinus caroliniana	American Hornbeam	2.5" Cal.	B&B	Straight trunk, even crown	18.9%
CE	5	Cercis canadensis	Eastern Redbud	2.5" Cal.	B&B or Cont.	Single trunk, Even crown	5.6%
CC	11	Chionanthus virginicus `CVSTF`	Prodigy White Fringetree	2.5" Cal.	B&B or Cont.	Even crown	12.2%
IE	6	Ilex x attenuata `Eagleston`	Eagleston Holly	2" Cal., 8` Ht.	B&B or Cont.	Full to ground	6.7%
MB	3	Magnolia grandiflora `Brackens Brown Beauty`	Bracken's Southern Magnolia	2" Cal., 8` Ht.	B&B or Cont.	Tree form	3.3%
ML	6	Magnolia grandiflora `Little Gem`	Dwarf Southern Magnolia	2" CAL., 6` ht.	B&B or Cont.	Full to ground	6.7%
NS	9	Nyssa sylvatica	Sour Gum	3" Cal.	B&B	Straight trunk, Even crown	10.0%
QF	6	Quercus falcata	Southern Red Oak	3" Cal.	B&B	Straight Trunk, Even Crown	6.7%
QS	3	Quercus shumardii	Shumard Red Oak	3" Cal.	B&B	Straight trunk, Even crown	3.3%
QV	8	Quercus virginiana	Southern Live Oak	3" Cal.	B&B	Straight trunk, Even crown	8.9%
TD	12	Taxodium distichum	Bald Cypress	3" Cal.	B&B	Straight trunk, Even crown	13.3%
UD	4	Ulmus parvifolia `Drake`	Drake Elm	3" Cal.	B&B	Straight Trunk, Full Crown	4.4%
Total	90						100.0%



LEGEND

- MITIGATION TREE SYMBOL
- PROPOSED TREE
- 6' RADIUS AROUND CANOPY TREES
- 4' RADIUS AROUND UNDERSTORY TREES
- T-1 — EXISTING TREES TO REMAIN
- CRITICAL ROOT ZONE
- T-2 — EXISTING TREE TO BE REMOVED
- TP — TREE PROTECTION FENCE
- LIMITS OF DISTURBANCE
- EXISTING WETLANDS
- ST AUGUSTINE SOD AREA (SEE PLANT LEGEND SHEET L110 FOR S.F.)
- BERMUDA SEED AREA (SEE PLANT LEGEND SHEET L110 FOR S.F.)
- DETENTION BASIN SEED MIX AREA (SEE PLANT LEGEND SHEET L110 FOR S.F.)
- TEMPORARY SEEDING (SEE EROSION CONTROL PLANS)
- EXISTING VEGETATION

SEE LANDSCAPE DETAIL SHEET LI10 FOR TREE PROTECTION FENCE DETAIL

LANDSCAPE AREA

REQUIRED: 15% OF SITE AREA TO BE LANDSCAPE
TOTAL SITE = 45.21 AC., 1,969,166 S.F.
TOTAL LANDSCAPE AREA REQUIRED: 1,969,166 S.F. * 0.15 = 295,375 S.F. (6.78 AC.)

TOTAL LANDSCAPE AREA PROPOSED: 525484 S.F (12.06 AC)= 26.7% LANDSCAPE AREA (LANDSCAPE AREA DOES NOT INCLUDE EXISTING WETLANDS, PROPOSED WETLANDS, OR DETENTION POND)

PARKING LOT TREES

REQUIRED: 5 FT. LANDSCAPE STRIP BETWEEN PROPERTY LINE AND VEHICLE USE AREAS.
PROPOSED: SEE PLAN

REQUIRED: LANDSCAPE ISLAND AT THE END OF PARKING BAY CONTAINING 1 CANOPY TREE
PROPOSED: SEE PLAN

REQUIRED: NO MORE THAN 12 CONTINUOUS PARKING SPACES WITHOUT INTERRUPTION BY A LANDSCAPE AREA.
PROPOSED: SEE PLAN

BUFFER LANDSCAPE

BUFFER: 2.5 CANOPY TREES / 100 LF
2 UNDERSTORY TREES/100 LF
20 SHRUBS / 100 LF

NORTH BUFFER = 2015 LF OF BUFFER
1895 LF UNDISTURBED BUFFER WITH EXISTING VEGETATION, 130 LF PLANTED BUFFER
120 /100 LF = 1.3 =
1.3 X 2.5 = 3 = 3 CANOPY TREES
1.3 X 2 = 2.6 = 3 UNDERSTORY TREES
1.3 X 20 = 26 SHRUBS

WEST BUFFER = 1271 LF OF UNDISTURBED BUFFER WITH EXISTING VEGETATION

PROTECTED TREE REPLACEMENT

REQUIRED: 50% OF PROTECTED TREE DBH INCHES REMOVED TO BE REPLACED BY TOTAL CALIPER INCHES OF NEW CANOPY TREES. REPLACEMENT LIMIT IS 25 CALIPER INCHES PER ACRE.

TOTAL PROTECTED TREE INCHES TO BE REMOVED = 89.81"
89.81" x 0.50 = 44.9 CALIPER INCHES / 3 CAL. INCH TREE = 14.96 = 15 (3") CAL. REPLACEMENT TREES

PROPOSED:
15 (3" CAL.) CANOPY TREES (45 TOTAL CALIPER INCHES)
(6 SOUTHERN RED OAK, 9 BALD CYPRESS)

NOTES:
1. THERE ARE NO HERITAGE TREES ON SITE.
2. EXISTING TREE LOCATIONS AND SIZES FROM "BLUE ANGEL PLAZA - TREE SURVEY" BY BIOME CONSULTING GROUP DATED MAY 10, 2021.

LANDSCAPE NOTES:

1. ALL PROPOSED PLANT MATERIALS SHALL BE FREE FROM INJURY, PEST, DISEASE, OR ROOT DEFECTS AND SHALL CONFORM TO THE STANDARDS FOR FLORIDA GRADE NO. 1, OR BETTER, AS PROVIDED IN THE LATEST EDITION OF GRADES AND STANDARDS FOR NURSERY PLANTS, DIVISION OF PLANT INDUSTRY, FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
2. ALL PROPOSED PLANT SPECIES ARE NATIVE OR LISTED IN THE FLORIDA FRIENDLY LANDSCAPING GUIDE TO PLANT SELECTION AND LANDSCAPE DESIGN .
3. PROPOSED CANOPY AND UNDERSTORY TREES SHALL BE PLANTED AT LEAST 12 FEET FROM ANY OTHER TREE.
4. TREE PROTECTION FENCE SHALL BE INSTALLED BEFORE SITE CLEARING AND SHALL REMAIN THROUGHOUT CONSTRUCTION.

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30067
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SEC 18, TSP 2S, RNG 31W
9500 W HIGHWAY 98
18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
OVERALL LANDSCAPE-TREE PLAN

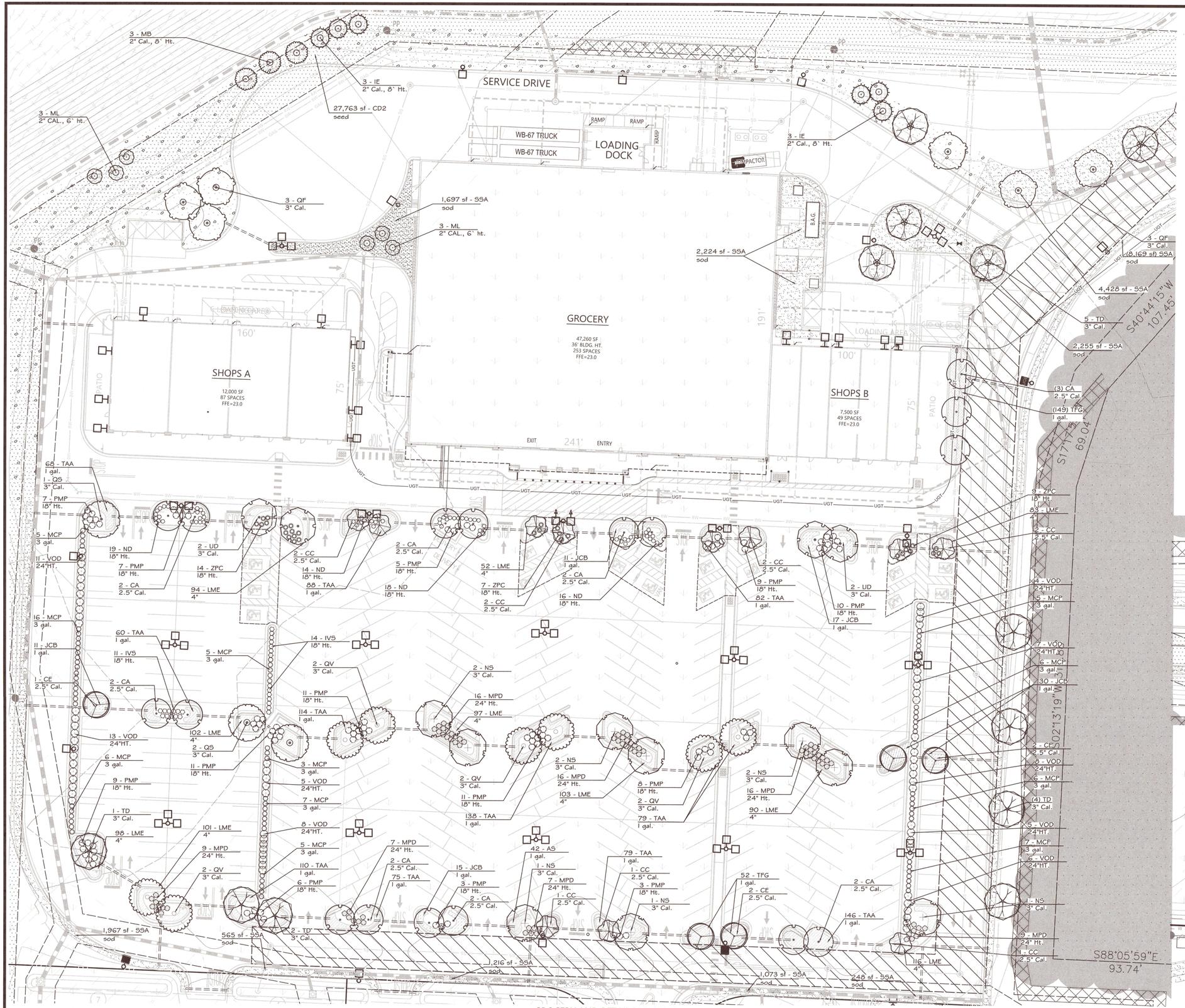
DATE
10-26-2021
01-26-2022
03-02-2022
03-30-2022
04-29-2022
REVISIONS

0 50' 100'
SCALE: 1" = 100'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. L100

CAD FILE: 20001743-L100 LANDSCAPE
NOT-ISSUED-FOR-CONSTRUCTION

FILE NAME: K:\20001743 Pensacola Grocery - Blue Angel Plaza\Design\SiteLM PRODUCTION\20001743 -L100 LANDSCAPE.dwg LAST SAVED BY: hwright 3/23/2022 9:22 AM PLOTTED BY: Hava Wright 4/29/2022 PAPER: ARCH D (24.00 X 36.00 INCHES) DEVICE: DWG To PDF - ACCUSOFT.PC3 PLOT STYLE: ATWELL.CTB



GROCERY AND RETAIL PLANTING

SCALE: 1" = 30'-0"

LEGEND

- ST AUGUSTINE SOD AREA (SEE PLANT LEGEND SHEET L110 FOR S.F.)
- BERMUDA SEED AREA (SEE PLANT LEGEND SHEET L110 FOR S.F.)
- DETENTION BASIN SEED MIX AREA (SEE PLANT LEGEND SHEET L110 FOR S.F.)
- TEMPORARY SEEDING (SEE EROSION CONTROL PLANS)

SEE SHEET L110 FOR PLANTING PLANT SCHEDULE DETAILS AND NOTES.
SEE SHEET L100 FOR REPLACEMENT TREES.

LANDSCAPE AREA

REQUIRED: 15% OF SITE AREA TO BE LANDSCAPE
TOTAL SITE = 45.21 AC., 1,969,166 S.F.
TOTAL LANDSCAPE AREA REQUIRED: 1,969,166 S.F. * 0.15 = 295,375 S.F. (6.78 AC.)

TOTAL LANDSCAPE AREA PROPOSED: 594,004 S.F (13.63 AC)= 30.2% LANDSCAPE AREA (LANDSCAPE AREA DOES NOT INCLUDE EXISTING WETLANDS, PROPOSED WETLANDS, OR DETENTION POND)

PARKING LOT TREES

REQUIRED: 5 LANDSCAPE STRIP BETWEEN PROPERTY LINE AND VEHICLE USE AREAS.
PROPOSED: SEE PLAN

REQUIRED: LANDSCAPE ISLAND AT THE END OF PARKING BAY CONTAINING 1 CANOPY TREE
PROPOSED: SEE PLAN

REQUIRED: NO MORE THAN 12 CONTINUOUS PARKING SPACES WITHOUT INTERRUPTION BY A LANDSCAPE AREA.
PROPOSED: SEE PLAN

LANDSCAPE NOTES:

1. ALL PROPOSED PLANT MATERIALS SHALL BE FREE FROM INJURY, PEST, DISEASE, OR ROOT DEFECTS AND SHALL CONFORM TO THE STANDARDS FOR FLORIDA GRADE NO. 1, OR BETTER, AS PROVIDED IN THE LATEST EDITION OF GRADES AND STANDARDS FOR NURSERY PLANTS, DIVISION OF PLANT INDUSTRY, FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
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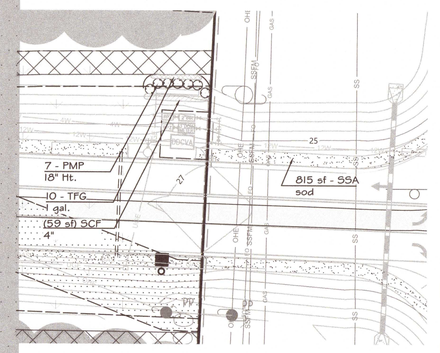
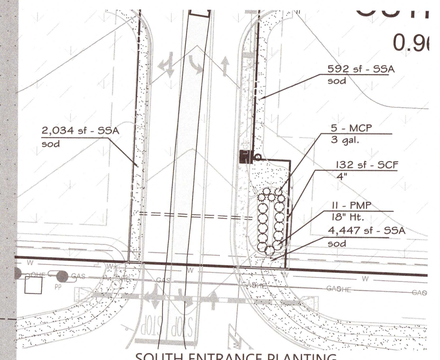


EAST ENTRANCE PLANTING

SCALE: 1" = 30'-0"



SOUTH ENTRANCE PLANTING

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BLUE ANGEL PLAZA

BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
LANDSCAPE PLAN

DATE
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REVISIONS

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CAD FILE: 20001743-L100 LANDSCAPE

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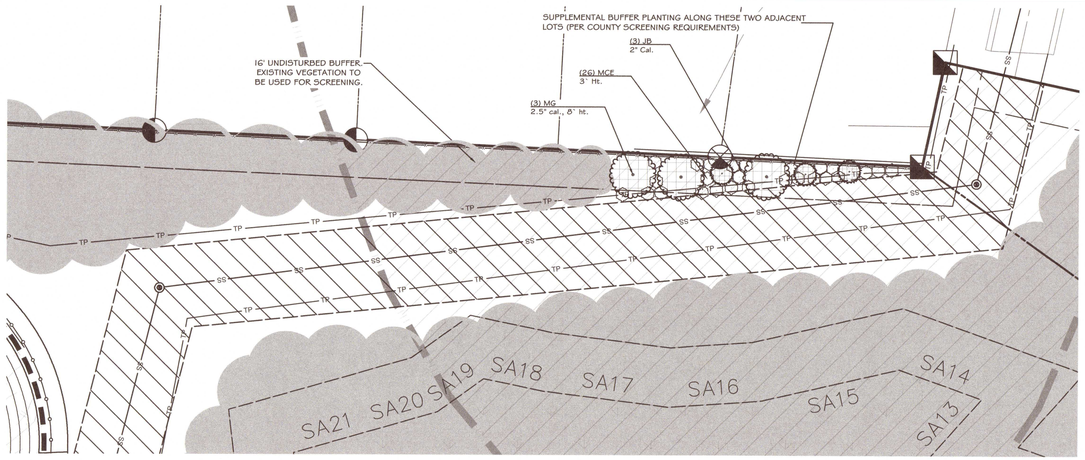


NORTH BUFFER PLANTING

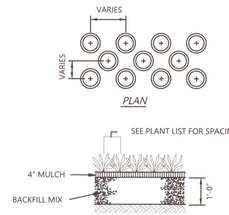
SCALE: 1"= 30'-0"

PLANT SCHEDULE WHOLE SITE

TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER		REMARKS
CA	17	Carpinus caroliniana	American Hornbeam	2.5" Cal.	B&B		Straight trunk, even crown
CE	5	Cercis canadensis	Eastern Redbud	2.5" Cal.			Single trunk, full crown
CC	11	Chionanthus virginicus `CVSTF`	Prodigy White Fringetree	2.5" Cal.	B&B or Cont.		Even crown
IE	6	Ilex x attenuata `Eagleston`	Eagleston Holly	2" Cal., 8` Ht.	B&B or Cont.		Full to ground
JB	3	Juniperus virginiana `Brodie`	Brodie Columnar Cedar	2" Cal.			Full to Ground, Native
MG	3	Magnolia grandiflora	Southern Magnolia	2.5" cal., 8` ht.	B&B or Cont.		Full to ground
MB	3	Magnolia grandiflora `Brackens Brown Beauty`	Bracken`s Southern Magnolia	2" Cal., 8` Ht.	B&B or Cont.		Full to ground
ML	6	Magnolia grandiflora `Little Gem`	Dwarf Southern Magnolia	2" CAL., 6` ht.	B&B or Cont.		Full to ground
NS	9	Nyssa sylvatica	Sour Gum	3" Cal.	B&B		Straight trunk, Even crown
QF	6	Quercus falcata	Southern Red Oak	3" Cal.	B&B		Straight Trunk, Even Crown
QS	3	Quercus shumardii	Shumard Red Oak	3" Cal.	B&B		Straight trunk, Even crown
QV	8	Quercus virginiana	Southern Live Oak	3" Cal.	B&B		Straight trunk, Even Crown
TD	12	Taxodium distichum	Bald Cypress	3" Cal.	B&B		Straight trunk, Even crown
UD	4	Ulmus parvifolia `Drake`	Drake Elm	3" Cal.	B&B		Straight Trunk, Full Crown

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	REMARKS
IVS	25	Ilex vomitoria `Schillings`	Schillings Holly	18" Ht.	Pot	36" o.c.	Full, Rounded Head. Native
MCE	26	Morella cerifera	Wax Myrtle	3` Ht.	Pot	72" o.c.	Full to ground. Native
MCP	76	Muhlenbergia capillaris	Pink Muhly	3 gal.	Pot	42" o.c.	Full pot, Native
MPD	80	Myrica pusilla	Dwarf Southern Wax Myrtle	24" Ht.	Pot or Cont.	42" o.c.	Full even head. Native
ND	67	Nandina domestica `Fire Power`	Firepower Nandina	18" Ht.	Pot	30" o.c.	Full head
PMP	118	Podocarpus macrophyllus `Pringles`	Dwarf Podocarpus	18" Ht.	Pot	48" o.c.	Full head
VOD	67	Viburnum obovatum `Densa`	Viburnum	24"HT.	Pot	60" o.c.	Full even head
ZPC	30	Zamia pumila	Coontie Cycad	18" Ht.	Pot	42" o.c.	Full even head, Native

GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	REMARKS
AS	42	Aristida stricta	Wiregrass	1 gal.	Pot	24" o.c.	Full pot, Native
CD2	27,763 sf	Cynodon dactylon	Bermuda grass	seed			
HEC	410,501 sf	Hancock`s Detention Basin Seed Mix	Detention Seed Mix	seed	N/A		
JCB	84	Juniperus conferta ``Blue Pacific`	Blue Pacific Juniper	1 gal.	Pot	42" o.c.	Full, min. 3 stems over pot
LME	936	Liriope muscari `Emerald Goddess`	Liriope	4"	Pot	18" o.c.	Full
SCF	191 sf	Seasonal Color Flowers	Flowers	4"	Pot		Submit concept sketch for approval to L.A. prior to planting
SSA	34,477 sf	Stenotaphrum secundatum	St. Augustine Grass	sod			Sod
TAA	1,039	Trachelospermum asiaticum	Asian Jasmine	1 gal.	Pot	18" o.c.	Full, min. 3 stems over pot
TFG	211	Tripsacum floridanum	Florida Gamagrass	1 gal.	Pot	30" o.c.	Full

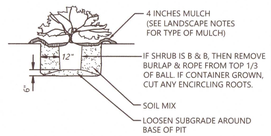


NOTE:

1. ENTIRE BED SHALL BE EXCAVATED TO RECEIVE SOIL MIX AND GROUNDCOVERS.
2. GROUNDCOVER BEDS SHALL BE RAISED 4" ABOVE SURROUNDING GRADE.

GROUND COVER PLANTING

L1G



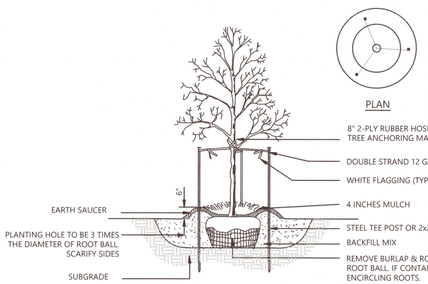
NOTE:

1. WHEN SHRUBS ARE USED IN MASSES, ENTIRE BED SHALL BE EXCAVATED TO RECEIVE SOIL MIX AND PLANT MATERIAL.
2. SHRUB BEDS SHALL BE RAISED 4" ABOVE SURROUNDING GRADE.

SHRUB PLANTING

N.T.S.

L1H

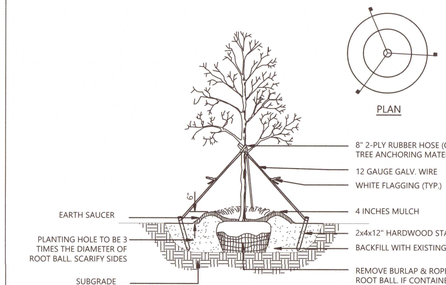


NOTES:

1. SEE LANDSCAPE NOTES FOR TYPE OF MULCH MATERIAL TO BE USED.
2. TREE SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO EXISTING GROUND.
3. USE STAKING SYSTEM WHERE NECESSARY FOR WIND OR SOIL CONDITIONS.
4. REMOVE STAKES AND EARTH SAUCER ONE YEAR FROM TIME OF PLANTING.

STAKED TREE PLANTING

L1E



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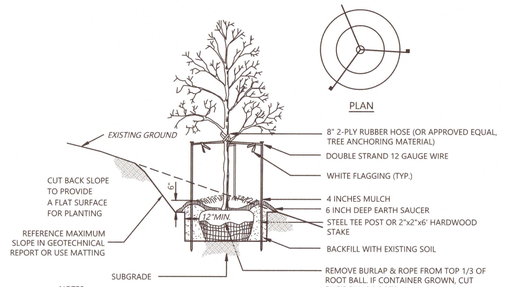
GUYED TREE PLANTING

L1D



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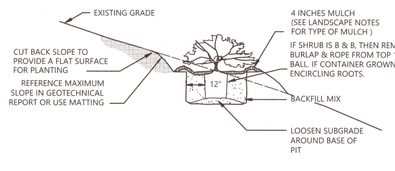
TREE PLANTING ON SLOPE

N.T.S.

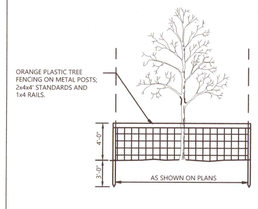
L1B



SHRUB PLANTING ON SLOPE

N.T.S.

L1I



TREE PROTECTION

L1K

GENERAL

1. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING ALL WORK AS SPECIFIED IN ACCORDANCE WITH THE PLANS AND AS LISTED IN THE GENERAL NOTES.
2. BEFORE BEGINNING ANY WORK, ALL UTILITIES AND UNDERGROUND CONSTRUCTION SHALL BE LOCATED BY THE LANDSCAPE CONTRACTOR SO THAT PROPER PRECAUTIONS MAY BE TAKEN NOT TO DISTURB OR DAMAGE ANY SUBSURFACE IMPROVEMENTS. WHERE PUBLIC UTILITIES ARE PRESENT, THE LANDSCAPE CONTRACTOR SHALL REQUEST ON-SITE LOCATIONS BY ALL UTILITY COMPANIES AND CONFIRM THAT SUCH LOCATIONS HAVE BEEN COMPLETED. THE LANDSCAPE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MAKING, AT HIS OWN EXPENSE, ALL REPAIRS TO DAMAGED UTILITIES RESULTING FROM WORK COVERED BY THIS CONTRACT.
3. ANY DAMAGE DONE BY THE LANDSCAPE CONTRACTOR TO ANY PAVING, BUILDINGS, CURB, OR WALKS SHALL BE REPAIRED OR REPLACED BY THE LANDSCAPE CONTRACTOR.
4. THE LANDSCAPE CONTRACTOR SHALL TAKE MEASURES TO PREVENT DUST, MUD, MARKS, ETC FROM SOILING AND DAMAGING IMPROVEMENTS. ANY DAMAGE SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
5. THE LANDSCAPE CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE FROM ALL PARTS OF THE PROJECT.
6. ALL PROPOSED PLANT MATERIALS SHALL BE FREE FROM INJURY, PEST, DISEASE, OR ROOT DEFECTS AND SHALL CONFORM TO THE STANDARDS FOR FLORIDA GRADE NO. 1, OR BETTER, AS PROVIDED IN THE LATEST EDITION OF GRADES AND STANDARDS FOR NURSERY PLANTS, DIVISION OF PLANT INDUSTRY, FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
7. PLANTS SHALL BE WATERED PRIOR TO TRANSPORTATION AND SHALL BE KEPT MOIST UNTIL PLANTED. ALL PLANTS SHALL BE PROTECTED FROM DESICCATION DURING DELIVERY WITH A PROTECTIVE COVERING OR ENCLOSED TRUCK.
8. THE PLANT LIST IS FOR THE LANDSCAPE CONTRACTORS CONVENIENCE. THE LANDSCAPE CONTRACTOR SHALL VERIFY THE COUNT FROM THE PLAN AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.
9. ALL LANDSCAPE AREAS WHERE ASPHALT OR CURBING HAS BEEN REMOVED AND ALL LANDSCAPE ISLANDS MUST HAVE CLEAN, FRIALBE TOPSOIL TO A TOTAL DEPTH OF TWO (2) FEET.
10. THE LANDSCAPE CONTRACTOR SHALL FURNISH ALL MATERIALS INCLUDING, BUT NOT LIMITED TO, TOPSOIL, MULCHES, LIMES, AND FERTILIZERS NECESSARY FOR THE HEALTHY GROWTH OF PLANT MATERIAL.
11. INSTALL TREES PLUMB. DO NOT DEPEND ON STAKING TO PULL PLANTS TO PLUMB POSITION. STAKING SHALL BE ON AN AS-NEEDED BASIS.
12. ALL MOWABLE LAWN AREAS SHALL BE SODDED WITH ST. AUGUSTINE GRASS. ALL SLOPES 3:1 OR GREATER SHALL BE SEEDED AS NOTED ON PLAN.
13. MULCH ALL GROUND COVER AND PLANTING BEDS AND A 4'-0" DIAMETER BASE AROUND ALL FREE STANDING TREES WITH 3" MIN. SHREDDED HARDWOOD MULCH.
14. ALL TEMPORARY CONSTRUCTION ACTIVITIES WILL OCCUR IN PARKING LOT AREAS ON THE SITE.
15. SHRUB HEIGHTS SHALL BE MAINTAINED AT 2'-0" AND TREE CANOPIES SHALL BE ABOVE 6'-0" AT ALL PLANTING ISLANDS AND DRIVE OPENINGS WITHIN THE PARKING LOT AND INTERSECTING STREETS BY LANDSCAPE CONTRACTOR AND OWNER TO INSURE SAFE SIGHT DISTANCES.
16. ALL CONSTRUCTION DEBRIS IS TO BE ENTIRELY REMOVED FROM SITE BY THE LANDSCAPE CONTRACTOR.
17. THE LANDSCAPE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE MAINTENANCE, INCLUDING WATERING, WEEDING, PRUNING, MOWING OF LAWNS, AND RE-MULCHING OF THIS WORK UNTIL DATE OF FINAL ACCEPTANCE.

FOR SODDED AREA

1. SOD SHALL BE WELL ROOTED, 2 YEAR OLD STOCK. THE SOD SHALL BE TOP QUALITY CERTIFIED SOD, FREE OF WEEDS, UNDESIRABLE NATIVE GRASSES, INSECTS AND DISEASES. PROVIDE CERTIFICATION TAG TO OWNER. ALL SOD SHALL BE MACHINE CUT AND VIGOROUSLY GROWING (NOT DORMANT)
2. LAY SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. BUTT ENDS AND SIDES OF SOD STRIPS. DO NOT OVERLAP.
3. IN SLOPING AREAS, SOD SHALL BE LAID WITH THE LONG EDGES PARALLEL TO THE CONTOURS AND WITH JOINTS STAGGERED.
4. SOD SHALL BE SECURED IN-PLACE WITH STAPLES ON SLOPES GREATER THAN 3:1. STAPLES FOR SOD STAKING SHALL BE NO. 11 GAUGE STEEL WIRE, U-SHAPED WITH LEGS 12 INCHES IN LENGTH AND 1" CROWN. STAPLES SHALL BE PLACED AT INTERVALS NO GREATER THAN 2' ON CENTER. TOP OF STAKES SHALL BE DRIVEN FLUSH WITH SOD AS NOT TO INTERFERE WITH MOWING OPERATIONS.
5. TAMP OR ROLL TO INSURE CONTACT WITH SOIL. WORK SIFTED SOIL INTO MINOR CRACKS BETWEEN PIECES OF SOD. REMOVE EXCESS SOIL TO AVOID SMOTHERING OF ADJACENT GRASS.
6. SOD SHALL BE WATERED IMMEDIATELY AFTER ROLLING OR TAMPING.

GRASSING

1. PREPARE AREAS TO BE GRASSED BY REFINED GRADING TO INSURE PROPER DRAINAGE AND DISCOURAGE EROSION.
2. ELIMINATE UNDESIRABLE GRASS AND WEED GROWTH IN AREAS TO BE GRASSED AND TAKE MEASURES AS NECESSARY TO PREVENT REGROWTH OF UNDESIRABLE PLANTS. SOIL SHALL BE TILLED OR LOOSENED TO 4" MIN. DEPTH, INCORPORATING FERTILIZER, LIME AND OTHER APPROPRIATE ADDITIVES AS INDICATED BY SOIL TEST INTO THE TOP 2" TO 3".

INSPECTION

1. THE OWNER'S REPRESENTATIVE SHALL INSPECT THE TOTAL WORK FOR ACCEPTANCE UPON REQUEST OF THE LANDSCAPE CONTRACTOR. ANY UNSATISFACTORY ITEMS SHALL BE NOTED AND MUST BE REMEDIED BY THE LANDSCAPE CONTRACTOR PRIOR TO ACCEPTANCE. UPON SATISFACTORY COMPLETION OF ALL WORK, THE OWNER'S REPRESENTATIVE SHALL CERTIFY IN WRITING ACCEPTANCE OF THE WORK. PAYMENT FOR CONTRACT WORK TO THE CONTRACTOR PURSUANT TO ISSUANCE OF ACCEPTANCE SHALL BE DEEMED THE FINAL PAYMENT FOR SAID WORK.

WARRANTY

1. ALL PLANT MATERIAL SHALL BE WARRANTEED BY THE LANDSCAPE CONTRACTOR FOR A PERIOD OF ONE YEAR FOLLOWING ACCEPTANCE. THE LANDSCAPE CONTRACTOR SHALL REPLACE, AT NO EXPENSE TO THE OWNER, UNHEALTHY PLANTS WITHIN 15 DAYS. THIS ASSUMES THAT THE OWNER HAS FOLLOWED THE APPROPRIATE MAINTENANCE PROCEDURES AND THAT NO SUCH REPLACEMENTS ARE NECESSITATED BY NEGLECT OR ABUSE BY OWNER, BY VANDALISM OR BY ACTS-OF-GOD DAMAGE.
2. REPLACEMENT SIZES SHALL BE COMPARABLE TO THOSE ATTAINED BY ADJACENT THRIVING PLANTS. ALL REPLACEMENT STOCK WILL BE SUBJECT TO THE SAME WARRANTY REQUIREMENTS AS THE ORIGINAL STOCK. REPLACEMENT WARRANTY BEGINS ON DAY OF INSTALLATION.
3. THE LANDSCAPE CONTRACTOR SHALL MAKE ALL NECESSARY REPAIRS TO GRADES, VEGETATIVE COVER AND PAVING REQUIRED BECAUSE OF PLANT REPLACEMENTS. SUCH REPAIRS SHALL BE DONE AT NO EXTRA COST TO THE OWNER.

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30067
COA# PEF005804

SEC 18, TSP 2S, RNG 31W

9500 W HIGHWAY 98

18-2S-31-3100-000-000

ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA

BLUE ANGEL PLAZA VSI, LLC

SITE DEVELOPMENT PLANS

LANDSCAPE DETAILS

DATE
10-26-2021
01-26-2022
03-02-2022
03-30-2022
04-29-2022

REVISIONS

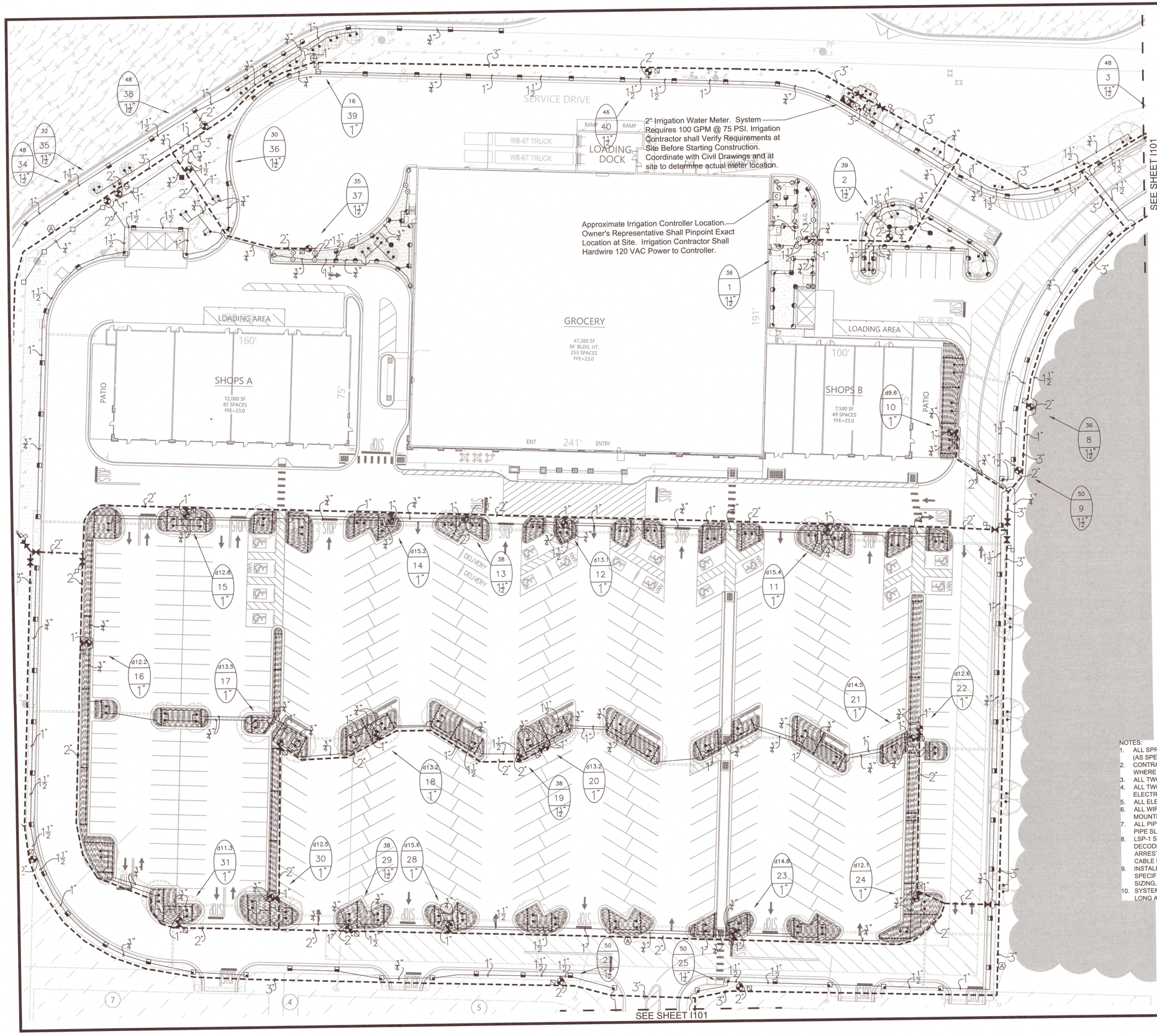
0 15' 30'
SCALE: 1" =30'

DRAWN BY: HW
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. L110

CAD FILE: 20001743-1100 LANDSCAPE

NOT-ISSUED FOR CONSTRUCTION

FILE NAME: N:\20001743 Pensacola Grocery - Blue Angel Pkwy\Design\Site\04 PRODUCTION\20001743-1100 LANDSCAPE.dwg LAST SAVED BY: hwright 3/28/2022 8:22 AM PLOTTED BY: mark.wright 4/28/2022 PAPER: ARCH D (24.00 X 36.00 INCHES) DEVICE: DWG to PDF 300DPI.PC3 PLOT STYLE: ATWELL.CTB



NOTES:

1. ALL SPRINKLER TO BE MOUNTED ON MARLEX ELLS OR UNITIZED SWING JOINTS (AS SPECIFIED ON DETAILS).
2. CONTRACTOR TO UTILIZE A AUTOMATIC DRAIN CHECK VALVE DEVICE WHERE LOW HEAD DRAINAGE MAY OCCUR.
3. ALL TWO-WIRE CABLE TO BE MINIMUM SIZE OF 14-2 MAXI-CABLE
4. ALL TWO-WIRE CABLE TO BE INSTALLED IN 1" SCH 40 PVC ELECTRICAL CONDUIT.
5. ALL ELECTRICAL CONDUITS OPENINGS TO BE FOAM SEALED.
6. ALL WIRE SPLICES TO BE MADE WITH 3M DBR/Y-6 CONNECTORS MOUNTED IN A MINIMUM OF 10" CARSON VALVE BOX
7. ALL PIPING AND WIRING UNDER HARDTOPS WILL BE IN CLASS 200 PVC PIPE SLEEVE.
8. LSP-1 SURGE ARRESTORS SHALL BE INSTALLED EVERY 300' OR EVERY 6 DECODERS (WHICHEVER IS SHORTER) ALONG TWO-WIRE PATH. LSP-1 SURGE ARRESTORS SHALL ALSO BE INSTALLED AT ALL TERMINAL ENDS OF TWO-WIRE CABLE PATHS (STAR CONFIGURATION). REFER TO DETAIL-T.
9. INSTALLATION CONTRACTOR SHALL ADHERE TO ALL MANUFACTURER SPECIFICATIONS FOR TWO-WIRE CONTROL SYSTEM INSTALLATION (WIRE SIZING, WIRE LENGTH OF RUNS, GROUNDING, ETC).
10. SYSTEM IS DESIGNED SO THAT MULTIPLE ZONES CAN OPERATE AT A TIME SO LONG AS TOTAL SYSTEM DEMAND DOES NOT EXCEED 100 GPM.

811 SUNSHINE STATE ONE-CALL OF FLORIDA, INC. 1-800-432-4770 IT'S THE LAW!

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

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24 HOUR EMERGENCY CONTACT

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MARIETTA, GA
30067-8237
COA# PEF003804

BLUE ANGEL PLAZA

BLUE ANGEL PLAZA VSI, LLC

SITE DEVELOPMENT PLANS

IRRIGATION PLAN

SEC 18, TSP 25, RNG 31W

9500 W HIGHWAY 98

18-25-31-3100-000-000

ESCAMBIA COUNTY, FLORIDA

DATE
1-28-2022
11-03-2021
01-17-2022

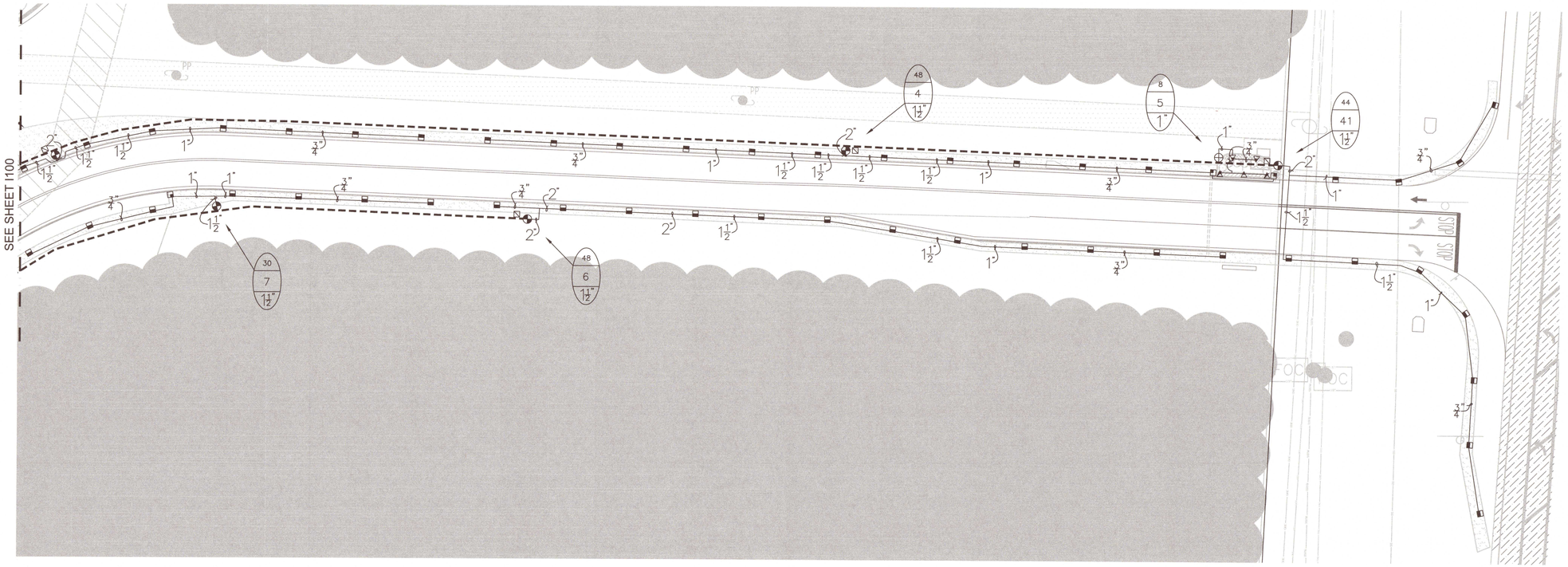
REVISIONS

SCALE: 1" = 30'

DRAWN BY: ICS
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. I100

CAD FILE: PUB-PDV-RR-BASE

NOT ISSUED FOR CONSTRUCTION



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1-800-432-4770
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MARIETTA, GA
30067-8237
COA# PE1705804

SEC 18, TSP 2S, RNG 31W
9500 W HIGHWAY 98
18-2S-31-3100-000-000
ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
IRRIGATION SLEEVING PLAN

DATE 1-28-2022
11-03-2021
01-17-2022

REVISIONS

ROBERT A. STOKOE
FLORIDA REGISTERED PROFESSIONAL ENGINEER
No. 49483
NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED ENGINEER

0 15' 30'
SCALE: 1"=30'

DRAWN BY: ICS
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. I101

CAD FILE: PUB-PEN-IRR-BASE
NOT-ISSUED-FOR-CONSTRUCTION

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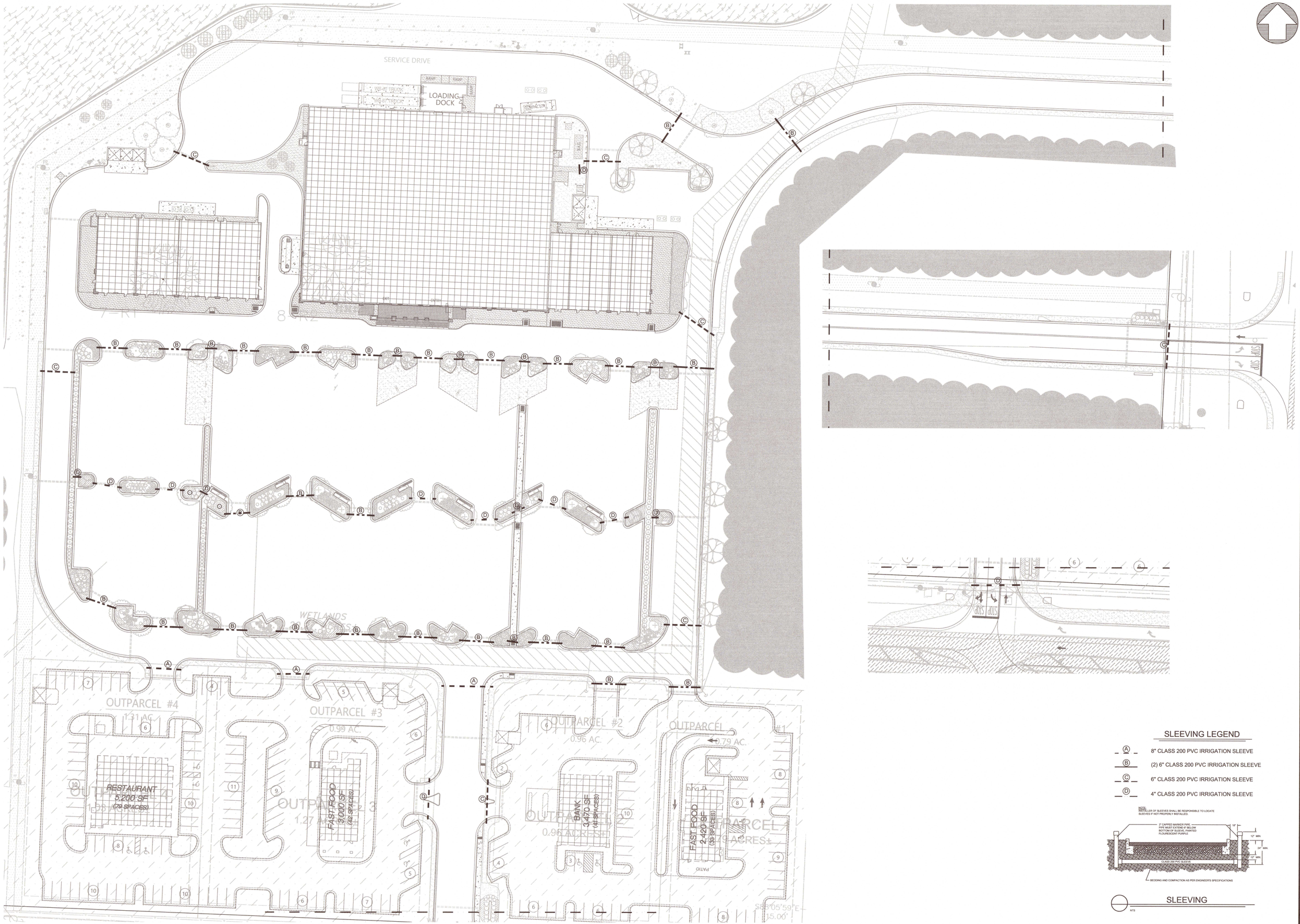

SLEEVING LEGEND

- (A) 8" CLASS 200 PVC IRRIGATION SLEEVE
- (B) (2) 6" CLASS 200 PVC IRRIGATION SLEEVE
- (C) 6" CLASS 200 PVC IRRIGATION SLEEVE
- (D) 4" CLASS 200 PVC IRRIGATION SLEEVE

NOTE:
INSTALLER OF SLEEVES SHALL BE RESPONSIBLE TO LOCATE SLEEVES IF NOT PROPERLY INSTALLED.

SLEEVING
NTS

811
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BLUE ANGEL PLAZA

BLUE ANGEL PLAZA VSI, LLC

SITE DEVELOPMENT PLANS

IRRIGATION PLAN

SEC 18, TSP 2S, RNG 31W

9500 W HIGHWAY 98

18-2S-31-3100-000-000

ESCAMBIA COUNTY, FLORIDA

DATE
1-28-2022
11-03-2021
01-17-2022

REVISIONS

ROBERT A. SCHIFINO
REGISTERED LANDSCAPE ARCHITECT
FLORIDA
No. 1667
ATWELL GREEN
COMMERCIAL

0 20' 40'
SCALE: 1"=40'

DRAWN BY: ICS
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. I200

CAD FILE: PUD-PEN-IRR-BASE

NOT-ISSUED-FOR-CONSTRUCTION

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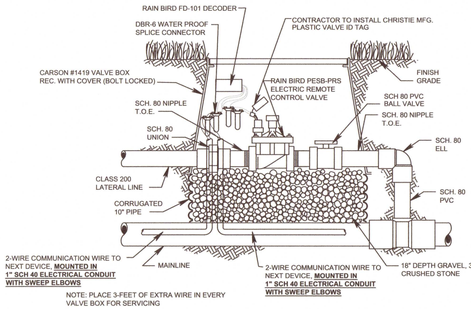
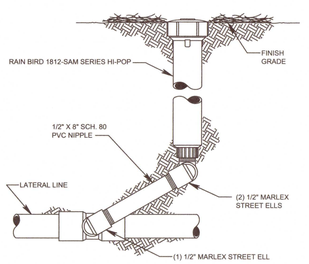
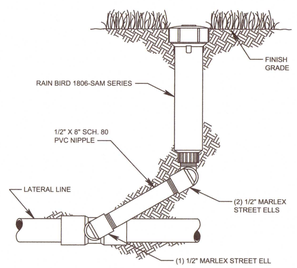
NOTE:
ALL VALVE BOXES SHALL BE BLACK IN COLOR



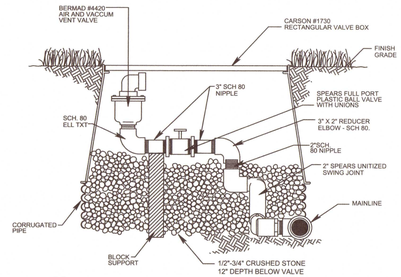
A CONTROL VALVE
NTS



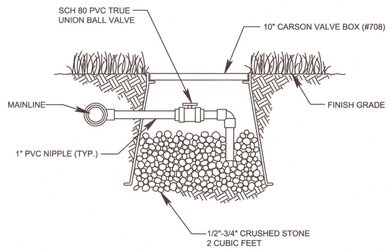
B SHRUB SPRAY
NTS



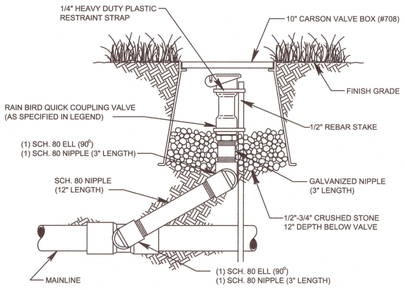
C LAWN SPRAY
NTS



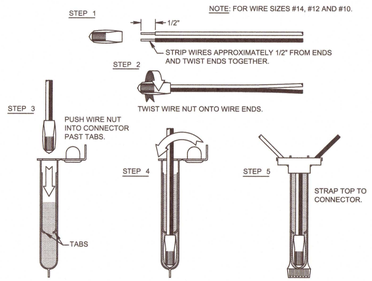
D AIR VENT ASSEMBLY
NTS



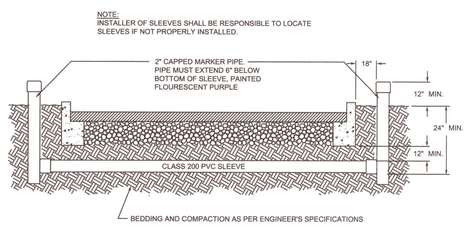
E MANUAL DRAIN VALVE
NTS



F QUICK COUPLING VALVE
NTS



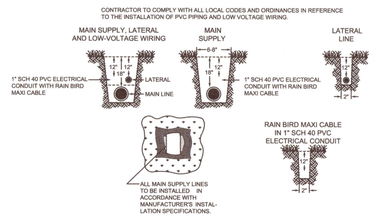
G WIRE CONNECTION
3M-DBR/Y-6
NTS



H SLEEVING
NTS

GENERAL NOTES

1. ALL MAINLINES TO HAVE A MINIMUM OF 18" OF COVER. (CLASS 200 PVC PIPE, CLASS 200 PVC FOR 4" AND LARGER).
2. ALL LATERAL AND SUB-MAIN PIPE TO HAVE A MINIMUM OF 12" OF COVER. (CLASS 200 PVC PIPE).
3. NO ROCKS, BOULDER, OR OTHER EXTRANEOUS MATERIALS TO BE USED IN BACKFILLING OF TRENCH.
4. ALL PIPE TO BE INSTALLED AS PER MANUFACTURERS' SPECIFICATIONS.
5. ALL THREADED JOINTS TO BE COATED WITH TEFLON TAPE OR LIQUID TEFLON.
6. ALL LINES TO BE THOROUGHLY FLUSHED BEFORE INSTALLATION OF SPRINKLER HEADS.
7. SPRINKLER AND RELATED EQUIPMENT TO BE INSTALLED AS PER DETAILS.
8. ALL ELECTRICAL JOINTS TO BE MADE USING WATERPROOF CONNECTIONS AS SHOWN ON DETAILS.
9. ALL EQUIPMENT NOT SPECIFIED IN THE LEGEND SHALL BE DETERMINED AND FURNISHED BY THE CONTRACTOR.
10. NO ELECTRICAL CONNECTIONS SHALL BE MADE IN THE FIELD EXCEPT AT A VALVE CONTROL BOX OR ANOTHER VALVE BOX SPECIFICALLY FOR CONNECTIONS.
11. ANY DISCREPANCY BETWEEN THIS SHEET AND OTHERS IN THIS SET MUST BE REFERRED TO THE IRRIGATION CONSULTANT BY THE CONTRACTOR FOR CLARIFICATION BEFORE PRECEEDING WITH THE WORK.
12. ALL TWO-WIRE CONTROL WIRES SHALL BE #14-2 MAXI CABLE, INSTALLED IN 1" SCH 40 PVC ELECTRICAL CONDUIT.
13. CONTRACTOR TO BE RESPONSIBLE FOR PROPER COVERAGE OF AREAS TO BE WATERED. I.E. ADJUST HEADS WITH INSUFFICIENT COVERAGE DUE TO BLOCKAGE BY EXISTING OR PROPOSED SITE FEATURES.
14. CONTRACTOR TO REFER TO LANDSCAPE PLAN TO KEEP SPRINKLER EQUIPMENT AND ACCESSORY MATERIAL FROM INTERFERING WITH PROPER PLANTING, i.e. VERIFY ROOT BALL SIZE FOR PLANTING.
15. CONTRACTOR SHALL PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX (WRAP AROUND 3/4" PIPE 12 TIMES).
16. CONTRACTOR TO UTILIZE APPROPRIATE AUTOMATIC DRAIN DEVICE WHERE LOW HEAD DRAINAGE MAY OCCUR.
17. ALL SPRINKLERS TO BE INSTALLED AS DETAILED ON PLANS.
18. CONTRACTOR SHALL UTILIZE VALVE I.D. TAGS ON ALL REMOTE CONTROL VALVES.
19. 24 VOLT WIRE SHALL BE COLOR CODED PER SEPARATE WIRE RUNS.
20. CONTRACTOR SHALL INSTALL MANUFACTURERS' RECOMMENDED GROUNDING EQUIPMENT FOR POWER SUPPLY AND VALVE OUTPUT WITH PAIGE WIRE GROUND PLATE ASSEMBLY.
21. CONTRACTOR SHALL INSTALL MANUFACTURERS' RECOMMENDATION ON FAULT GROUND AND LIGHTNING PROTECTION.
22. CONTROLLER GROUNDING MUST BE AS PER RAIN BIRD WIRE GROUNDING REQUIREMENTS
23. ALL MATERIAL TO BE SUPPLIED BY CONTRACTOR TO OWNER:
    A. TWO WRENCHES FOR DISASSEMBLING AND ADJUSTING EACH TYPE OF SPRINKLER HEADS AND VALVE SUPPLIED.
    B. TWO KEYS FOR EACH OF THE AUTOMATIC CONTROLLERS.
    C. TWO QUICK COUPLER KEYS WITH MATCHING HOSE SWIVELS.
24. SYSTEM IS DIAGRAMMATIC TO IMPROVE CLARITY. ALL MAINLINE PIPING ELECTRIC VALVES AND WIRING ARE TO BE INSTALLED IN LANDSCAPE AREAS AND WITHIN PROPERTY BOUNDARIES. CONTRACTOR SHALL REFERENCE THE LANDSCAPE PLAN PRIOR TO THE INSTALLATION OF PIPING TO AVOID CONTACT WITH PLANT MATERIALS EXISTING OR NEW.
25. CONTRACTOR TO ADD EXTENSION RISER TO POP-UP HEADS WHEN NEEDED FOR PROPER COVERAGE.
26. CONTRACTOR SHALL INSTALL SPRINKLER EQUIPMENT 12" FROM FOUNDATIONS. ALSO INSTALL SPRINKLERS 4" FROM CURB OR WALKS.
27. PRIOR TO BID IRRIGATION CONTRACTOR SHALL VERIFY RIGHT-OF-WAY AND BACKFLOW REQUIREMENTS. NO LATER THAN FIVE DAYS BEFORE BID SUBMITTALS CONTRACTOR SHALL NOTIFY CONSULTANT OF ANY CHANGES FROM PLANS AND SPECIFICATIONS.
28. IRRIGATION CONTRACTOR SHALL PROVIDE THE OWNER AND LANDSCAPE ARCHITECT WITH A REPRODUCIBLE CROSS MEASURED AS-BUILT DRAWING OF THE INSTALLED IRRIGATION SYSTEM IN AUTOCAD 2017 FORMAT BEFORE FINAL ACCEPTANCE.
29. A 1-YEAR WARRANTY PERIOD SHALL BE PROVIDED FOR SYSTEM AFTER SUBSTANTIAL COMPLETION IS ACCEPTED. START UP AND ADJUSTING OF SYSTEM IN SPRING TIME SHALL BE INCLUDED IN WARRANTY.
30. PRIOR TO BID, CONTRACTOR SHALL VERIFY THAT ALL MATERIALS, INSTALLATION PARAMETERS AND OPERATIONS CONFORM TO ALL APPLICABLE CODES AND ORDINANCES. NO LATER THAN FIVE DAYS BEFORE BID SUBMITTALS CONTRACTOR SHALL NOTIFY IRRIGATION CONSULTANT/DESIGNER OF ANY CHANGES REQUIRED DUE TO CURRENT CODE OR ORDINANCE DISCREPANCIES. IF CONTRACTOR DOES NOT COMPLY TO THIS NOTIFICATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY INSTALLATION CHANGE AND REDESIGN COSTS FOR NON-COMPLIANCE.
31. UNLESS OTHERWISE NOTED, THE CONTRACTOR MUST COMPLETE 2 PRESSURE TESTS OF THE IRRIGATION SYSTEM MAINLINE (BOTH TO SHOW NO DROP IN PRESSURE DURING DURATION OF TEST.
    A. 2-HOUR PRESSURE TEST AT 1.5 TIMES THE SYSTEM STATIC PRESSURE
    B. 24-HOUR PRESSURE TEST AT THE SYSTEM STATIC PRESSURE
32. IRRIGATION INSTALLATION CONTRACTOR SHALL PROVIDE OWNER WITH A COLOR-CODED ZONES DIAGRAM PLAN, 8-1/2"X11" LAMINATED SHEET(S), TO IDENTIFY CONTROLLER STATION TO THE CONTROL VALVE NUMBER FOR EACH CONTROLLER. TO BE LOCATED IN ADHESIVE POUCH ATTACHED INSIDE OF CONTROLLER(S).



I TRENCHING
NTS

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8. LSP-1 SURGE ARRESTORS SHALL BE INSTALLED EVERY 300' OR EVERY 6 DECODERS (WHICHEVER IS SHORTER) ALONG TWO-WIRE PATH. LSP-1 SURGE ARRESTORS SHALL ALSO BE INSTALLED AT ALL TERMINAL ENDS OF TWO-WIRE CABLE PATHS (STAR CONFIGURATION). REFER TO DETAIL-T.
9. INSTALLATION CONTRACTOR SHALL ADHERE TO ALL MANUFACTURER SPECIFICATIONS FOR TWO-WIRE CONTROL SYSTEM INSTALLATION (WIRE SIZING, WIRE LENGTH OF RUNS, GROUNDING, ETC).
10. SYSTEM IS DESIGNED SO THAT MULTIPLE ZONES CAN OPERATE AT A TIME SO LONG AS TOTAL SYSTEM DEMAND DOES NOT EXCEED 100 GPM.

TYPICAL VALVE INDICATOR

28.5 — GALLONS PER MIN.
10 — STATION NUMBER
1 1/2" — VALVE SIZE

IRRIGATION LEGEND

2" WATER METER, SYSTEM REQUIRES 100 GPM @ 75 PSI. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE SYSTEM REQUIREMENTS AT SITE BEFORE STARTING CONSTRUCTION.

WATTS #909-M1-QT-2", 2" REDUCED PRESSURE ASSEMBLY BACKFLOW PREVENTER. DETAIL-F.

WINTERIZATION ASSEMBLY. DETAIL-V.

MANUAL DRAIN VALVE. SCH 80 PVC TRUE UNION BALL VALVE. DETAIL-E.

RAIN BIRD ESP-LXD CONTROLLER . 50 TOTAL STATIONS, 2-WIRE/DECODER BASED MODULAR CONTROLLER, FOUR PROGRAMS, PLASTIC, WALL MOUNTED. DETAIL-J,K,U. IRRIGATION CONTRACTOR SHALL ALSO INSTALL A WIRELESS RAIN/FREEZE SENSOR FOR EACH CONTROLLER. IRRIGATION CONTRACTOR SHALL HAVE RAIN BIRD VERIFY LIGHTNING PROTECTION AND OPERATION - CONTACT DONN MANN AT 520..904.1146.

RAIN BIRD 150-PEB-PRS PLASTIC ELECTRIC REMOTE CONTROL VALVE, 1-1/2" 2" SIZE, MOUNTED WITH SCH 80 PVC TRUE UNION BALL VALVE WITH PRESSURE REGULATION DEVICES, MOUNTED WITH RAIN BIRD SINGLE STATION DECODER (FD-101TURF). DETAIL-A.

RAIN BIRD 100-PEB-PRS PLASTIC ELECTRIC REMOTE CONTROL VALVE, 1" SIZE, MOUNTED WITH SCH 80 PVC TRUE UNION BALL VALVE WITH PRESSURE REGULATION DEVICES, MOUNTED WITH RAIN BIRD SINGLE STATION DECODER (FD-101TURF). DETAIL-A.

RAIN BIRD 1806-SAM, 6" POP-UP LAWN SPRAY SPRINKLER, 12' RADIUS, FULL-2.0 GPM, HALF-1.0 GPM, QUARTER-0.5 GPM, 30 PSI. DETAIL-C.

RAIN BIRD 1806-SAM, 6" POP-UP LAWN SPRAY SPRINKLER, 15' RADIUS, FULL-4.0 GPM, HALF-2.0 GPM, QUARTER-1.0 GPM, 30 PSI. DETAIL-C.

RAIN BIRD 1806-SAM, 6" LAWN POP-UP SIDE STRIP SPRAY SPRINKLER, 9' X 18' RADIUS, 1.5 GPM, 30 PSI. DETAIL-C.

RAIN BIRD 1806-SAM, 6" LAWN SIDE STRIP SPRAY SPRINKLER, 4' X 30' RADIUS, 1.5 GPM, 30 PSI. DETAIL-C.

RAIN BIRD 1806-SAM, 6" LAWN END STRIP SPRAY SPRINKLER, 4' X 15' RADIUS, 1.0 GPM, 30 PSI. DETAIL-C.

RAIN BIRD 1812-SAM, 12" HI-POP SHRUB SPRAY SPRINKLER, 15' RADIUS, FULL-4.0 GPM, HALF-2.0 GPM, QUARTER-1.0 GPM, THREE QUARTER-3.0 GPM, 30 PSI. DETAIL-B.

RAIN BIRD 1812-SAM, 12" HI-POP SHRUB SPRAY SPRINKLER, 12' RADIUS, FULL-2.0 GPM, 30 PSI. DETAIL-B.

RAIN BIRD 1812-SAM, 12" HI-POP SHRUB SIDE STRIP SPRAY SPRINKLER, 9' X 18' RADIUS, 1.5 GPM, 30 PSI. DETAIL-B.

RAIN BIRD 1812-SAM, 12" HI-POP SHRUB SIDE STRIP SPRAY SPRINKLER, 4' X 30' RADIUS, 1.5 GPM, 30 PSI. DETAIL-B.

RAIN BIRD 1812-SAM, 12" HI-POP SHRUB END STRIP SPRAY SPRINKLER, 4' X 15' RADIUS, 1.0 GPM, 30 PSI. DETAIL-B.

RAIN BIRD TREE ROOT WATERING ASSEMBLY. RWS-BG-01, 0.5 GPM. DETAIL-Y.

HUNTER I-20-06-SS LAWN ROTOR, 40' RADIUS, FULL-8.0 GPM, HALF-4.0 GPM, QUARTER-2.0 GPM, 45 PSI, DETAIL-X.

HUNTER I20-06-22 LAWN ROTOR, 30' RADIUS, FULL-4.0 GPM, HALF-2.0 GPM, QUARTER-1.0 GPM, 45 PSI, DETAIL-X.

RAIN BIRD DRIP ZONE ASSEMBLY KIT, MODEL #XCZ-100-PRB-COM. 1" SIZE, AS NOTED ON PLANS. TO BE INSTALLED WITH RAIN BIRD SINGLE STATION DECODER (FD-101). DETAIL-O.

NOTE: FOR ANY DRIP ZONE WITH FLOW UNDER 3 GPM, MUST UTILIZE RAIN BIRD XCZ-LF-100-PRF, LOW FLOW DRIP VALVE ASSEMBLY.

POINT OF CONNECTION - DRIP LINE TUBING TO PVC PIPE, DETAIL-P,Q.

DRIP TUBING: RAIN BIRD XFS DRIPLINE DRIP TUBING, .6 GPH, 12" CENTERS, STAKED EVERY TURN OR EVERY 4', INSTALL NETAFIM AIR RELIEF VALVE KIT IN 10" CIRCULAR VALVE BOX AT HIGH POINT OF EACH ZONE AND INSTALL NETAFIM DRIP DRAIN VALVE(S) IN 10" CIRCULAR VALVE BOX AT LOW POINT(S) OF EACH ZONE. DETAIL-P,Q,R,S,W.

TREE RING DRIP TUBING: RAIN BIRD XFS DRIPLINE DRIP TUBING, .6 GPH, 12" CENTERS, STAKED EVERY TURN OR EVERY 4', INSTALL NETAFIM AIR RELIEF VALVE KIT IN 10" CIRCULAR VALVE BOX AT HIGH POINT OF EACH ZONE AND INSTALL NETAFIM DRIP DRAIN VALVE(S) IN 10" CIRCULAR VALVE BOX AT LOW POINT(S) OF EACH ZONE. DETAIL-P,Q,R,S,W.

NOTE:
CONTRACTOR SHALL INSTALL RAIN BIRD DRIP OPERATION INDICATOR KIT AT ENDS OF EACH DRIP ZONE AREA.

RAIN BIRD #5 QUICK COUPLING VALVE 1" SIZE. CONTRACTOR TO SUPPLY TWO QCV KEYS AND MATCHING HOSE SWIVELS. DETAIL-F.

MAINLINE ISOLATION GATE VALVE, DOMESTIC DUCTILE IRON GASKETED, DETAIL-L.

MAINLINE PIPE: 3" SIZE IF NOT NOTED. CLASS 200 PVC. ALL PIPE 2-1/2" AND LARGER SHALL BE UNIBELL GASKETED PVC PIPE AND HARCO PVC GASKETED FITTINGS. THRUST BLOCK AS PER MANUFACTURER'S RECOMMENDATIONS FOR PIPE TYPE, PIPE SIZE, AND LOCAL ENVIRONMENTAL CONDITIONS.

IRRIGATION SLEEVE: CLASS 200 PVC, SIZE NOTED ON PLAN. DETAIL-H.

LATERAL LINE PIPE: CLASS 200 PVC SOLVENT WELD PIPE UTILIZING SCH 40 PVC SOLVENT WELD FITTINGS, SIZE NOTED.

ELECTRICAL CONDUIT SLEEVE, REFER TO NOTES ON PLANS.

SUNSHINE STATE ONE-CALL OF FLORIDA, INC.
1-800-432-4770
IT'S THE LAW IN FLORIDA
THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR; NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
IRRIGATION DETAILS

DATE
1-28-2022
11-03-2021
01-17-2022

REVISIONS

CAD FILE: PUB-PEN-IRR-BASE

DRAWN BY: ICS
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. I300

NOT-ISSUED-FOR-CONSTRUCTION

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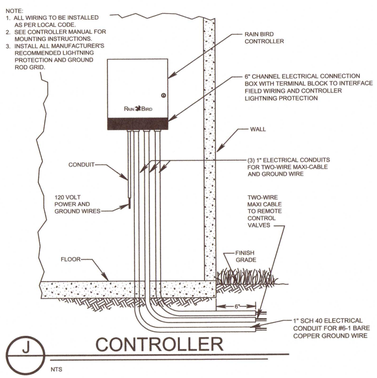
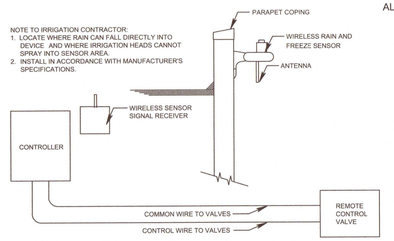


J CONTROLLER
NTS



K RAIN/FREEZE SENSOR
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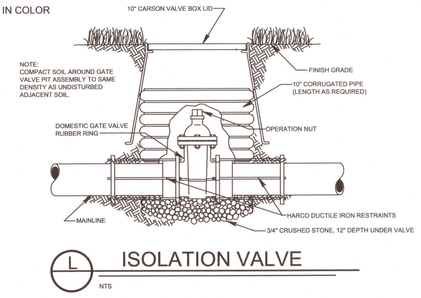
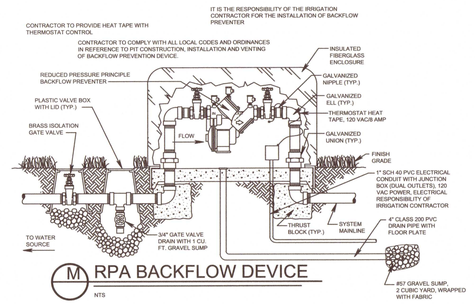
NOTE:
ALL VALVE BOXES SHALL BE BLACK IN COLOR

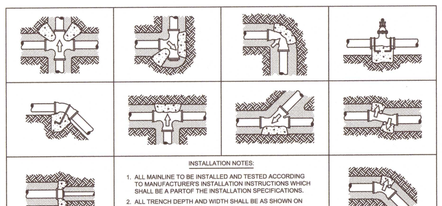


L ISOLATION VALVE
NTS

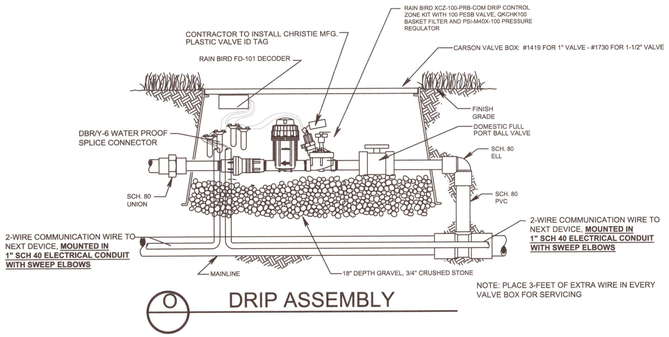


M RPA BACKFLOW DEVICE
NTS

✳ IRRIGATION CONTACTOR SHALL SUBMIT BACKFLOW DETAIL TO LOCAL AUTHORITIES FOR APPROVAL BEFORE STARTING CONSTRUCTION.

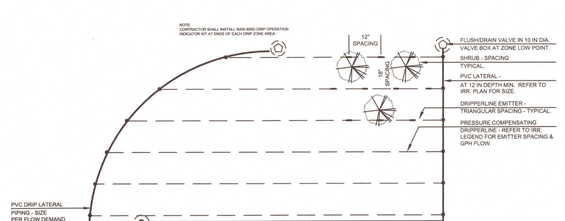


N THRUST BLOCK
NTS

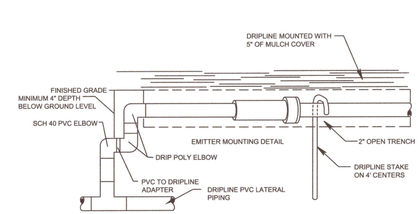


NOTE: PLACE 3-FEET OF EXTRA WIRE IN EVERY VALVE BOX FOR SERVICING

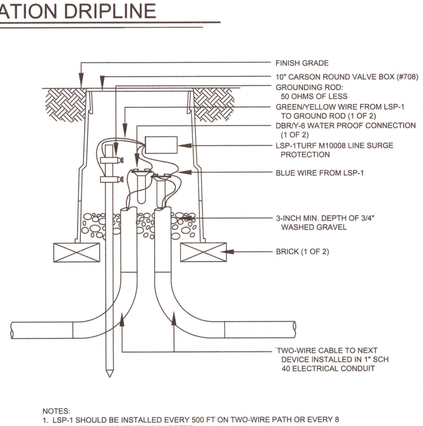
O DRIP ASSEMBLY



P IRRIGATION DRIPLINE
NTS

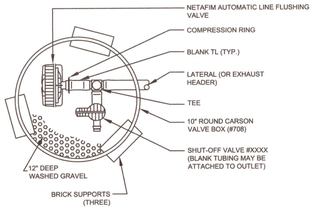


Q DRIP EMITTER
NTS

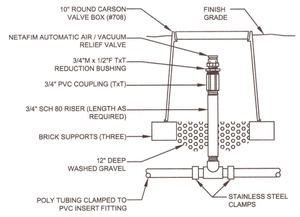


NOTES:
1. LSP-1 SHOULD BE INSTALLED EVERY 500 FT ON TWO-WIRE PATH OR EVERY 8 DECODERS (WHICHEVER IS SHORTER).
2. LSP-1 TO BE INSTALLED AT END OF WIRE RUN THAT TERMINES IN THE FIELD (STAR CONFIGURATION).

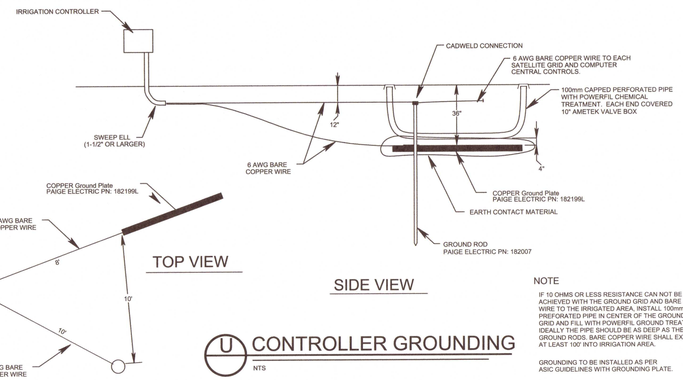
T SURGE PROTECTION TO TWO-WIRE PATH
NTS



R LINE FLUSHING VALVE
NTS PUT ON EACH DRIP ZONE



S AIR/VACUUM RELIEF
NTS PUT ON EACH DRIP ZONE



NOTE
IF 10 OHMS OR LESS RESISTANCE CAN NOT BE ACHIEVED WITH THE GROUND GRID AND BARE WIRE TO THE IRRIGATED AREA, INSTALL 100mm PREFORATED PIPE IN CENTER OF THE GROUNDING GRID AND FILL WITH POWERFIL GROUND TREATEMENT. IDEALLY THE PIPE SHOULD BE AS DEEP AS THE GROUND RODS. BARE COPPER WIRE SHALL EXTEND AT LEAST 100' INTO IRRIGATION AREA.

GROUNDING TO BE INSTALLED AS PER ASIC GUIDELINES WITH GROUNDING PLATE.

U CONTROLLER GROUNDING
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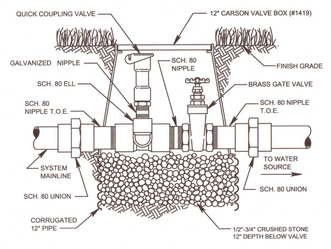
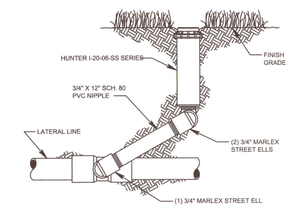


V WINTERIZATION ASSEMBLY
NTS



X LAWN ROTOR
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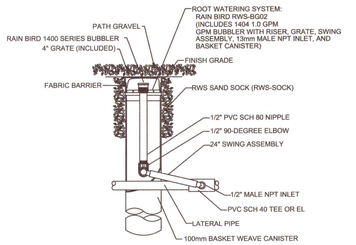

Y ROOT WATERING SYSTEM
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ESCAMBIA COUNTY, FLORIDA

BLUE ANGEL PLAZA
BLUE ANGEL PLAZA VSI, LLC
SITE DEVELOPMENT PLANS
IRRIGATION DETAILS

DATE
1-28-2022
11-03-2021
01-17-2022

REVISIONS

ROBERT A. SCHIFINO JR. CERTIFIED LANDSCAPE ARCHITECT FLORIDA REG. #LA0001483 STATE OF FLORIDA COMMERCIAL

CAD FILE: PUB-PEN-IRR-BASE

DRAWN BY: ICS
CHECKED BY: BK
PROJECT MANAGER: BK
JOB #: 20001743
FILE CODE: ##
SHEET NO. I301

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