August 9, 2024 PROJECT NAME: HUDSON DEVELOPMENT PROJECT NUMBER: 1999001492 APPLICATION: MAJOR SITE PLAN #30968

- DEPARTMENT: ENGDRN STORMWATER REVIEW REVIEW ITEM: 6.13.10.B - Copy of NPDES Permit or NOI STATUS OF REVIEW: INFO REMARKS: Please provide a copy of the NPDES permit or NOI prior to construction.
- DEPARTMENT: ENGDRN STORMWATER REVIEW
   REVIEW ITEM: Copy of District Permit (County Interest)
   STATUS OF REVIEW: INFO
   REMARKS: Please provide a copy of the District permit prior to construction.
- 3 DEPARTMENT: ENGIN DEVELOPMENT REVIEW
   REVIEW ITEM: 2.12.4.K List of approved waivers, their conditions, and the date of approval STATUS OF REVIEW: INFO
   REMARKS: 3/4/24-add waivers if requested in future - sk
- 4 DEPARTMENT: ENGIN DEVELOPMENT REVIEW REVIEW ITEM: Additional Development Review Comments STATUS OF REVIEW: INFO

REMARKS: After approval, plans will be electronically stamped by the County. The applicant will receive an email indicating that approved plans are available for download and are located in the ePlans project Approved folder. For Development Review submittals, with the exception of Final Plats and Minor Site Plans, applicants are required to print, obtain required signatures, and sign and seal two 24"x 36" sets of the electronically stamped approved plan and deliver them to the Office of County Engineer, Development Review Section, located at 412 SE 25th Avenue Ocala, FL 34471. Upon receipt, a development order will be issued. Until such time as that development order is issued, the project does not have final approval and construction, if applicable, shall not commence. For plans requiring As-Builts, As-Builts and associated documentation shall be submitted on paper in accordance with current county requirements.

- 5 DEPARTMENT: DOH ENVIRONMENTAL HEALTH REVIEW ITEM: Additional Health comments STATUS OF REVIEW: INFO REMARKS: Central water/ Central sewer
- DEPARTMENT: FRMSH FIRE MARSHAL REVIEW
   REVIEW ITEM: Additional Fire comments
   STATUS OF REVIEW: INFO
   REMARKS: Food vendor containers shall require kitchen suppression systems where there is commercial cooking that would produce grease-laden vapors.
- DEPARTMENT: LSCAPE LANDSCAPE DESIGN AND IRRIGATION REVIEW ITEM: 6.9.5 - Irrigation system installation
   STATUS OF REVIEW: INFO REMARKS: Irrigation system to be installed by SOF Licensed professional

8 DEPARTMENT: ZONE - ZONING DEPARTMENT REVIEW ITEM: 2.12.6 - Location of water and sewer. Does this need a special use permit? STATUS OF REVIEW: INFO REMARKS: Defer to MCU.



## Marion County Board of County Commissioners

AR 30968

Office of the County Engineer

412 SE 25th Ave. Ocala, FL 34471 Phone: 352-671-8686 Fax: 352-671-8687

## **DEVELOPMENT REVIEW PLAN APPLICATION**

Date: 12/19/2023 mm/dd/yyyy

## A. PROJECT INFORMATION:

Project Name: Hudso	on Develo	pment					
Parcel Number(s): 90	22-0469	03 and 9022	2-0469-04			200 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	110 C 8 A
Section 31 Towns	ship_15	Range 23	_Land Use_	Vacant	Zonin	g Classification_	B4
Commercial Resid	lential	Industrial	Institutional	□ Mixed	Use□	Other	
Type of Plan: MAJ	OR SITE	PLAN	- 11 - 14 - 14 - 14 - 14 - 14 - 14 - 14				
Property Acreage						Miles of Roads	
Location of Property	with Cros	sroads East	side of SE 5	8th Ave 3	00' +/-	north of Almone	d
Additional comments							

## B. CONTACT INFORMATION (fill in as applicable):

### **Engineer:**

Firm Name: MCA Consulting Engineers, Inc	Contact	nderson			
Mailing Address: 2403 SE 17th St, Ste 502	City: Ocala			Zip Code: 34471	
Phone # 352-629-5591	Alternate Phone #	1/1/12			
Email(s) for contact via ePlans: miles.and	erson@mca-engineer	s.com	-		

### The rest of the second second

Surveyor: Firm Name:		Contact Name:	
Mailing Address:	City:	State:	Zip Code:
Phone #	Alternate Pl		
Email(s) for contact via ePlans:		60 NO XI	

### **Owner:**

Owner: R&B Sound Investments LLC	Contact	Name: K	evin H	udson
Mailing Address: 3865 SE 58th Ave	City: Ocala	State:	FL	_Zip Code: 34480
Phone # 352-207-0633	Alternate Phone #			
Email address: khudson615@aol.com	Contraction (Contraction)			

## **Developer:**

Developer:	(	Contact Name:		
Mailing Address:	City:	State:	Zip Code:	_
Phone #	Alternate Ph	none #		
Email address:				_

Revised 7/2017

**Empowering Marion for Success** 

www.marioncountyfl.org

## GENERAL PURPOSE

ZONE & URBAN GROWTH BOUNDARY OR EZOS OVERLAY ZONE

THE PROPOSED SITE AND DRAINAGE PLAN IN THIS SUBMITTAL INCLUDES A 0.92 ACRE SITE. THE SITE SHAL FUNCTION AS A COMMERCIAL ENTERTAINMENT FACILITY IN A B-4 ZONING

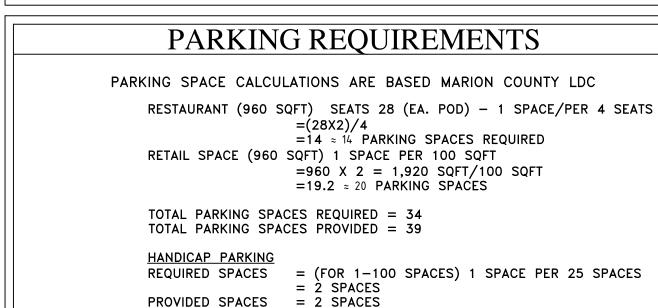
## CONCURRENCY:

THIS PROJECT HAS NOT BEEN GRANTED CONCURRENCY APPROVAL AND/OR GRANTED AND/OR RESERVED ANY PUBLIC FACILITY CAPACITIES. FUTURE RIGHTS TO DEVELOP THE PROPERTY ARE SUBJECT TO A DEFERRED CONCURRENCY DETERMINATION, AND FINAL APPROVAL TO DEVELOP THE PROPERTY HAS NOT BEEN OBTAINED. THE COMPLETION OF CONCURRENCY REVIEW AND/OR APPROVAL HAS BEEN DEFERRED TO LATER DEVELOPMENT REVIEW STAGES, SUCH AS, BUT NOT LIMITED TO, BUILDING PERMIT REVIEW.

-			
	SITE DATA:	PARCEL I	NUMBER: 9022-0469-03, 9022-0469-04
	TOTAL SITE AREA (WITHIN BOUNDARY)=39954.96 SF (0.92 AC'S) PROPOSED AREAS FOR TOTAL SITE:		ADDRESS: LOTS 3-4 ADDRESS TO BE DETERMINED~
	PROPOSED BUILDING = 4,000 SF PROPOSED ON SITE IMPERVIOUS AREA	ZONING: FLU: CON	MERCIAL
	TOTAL IMPERVIOUS AREA = 23,700 SF IMPERVIOUS PERCENT OF COVERAGE = 59% PERVIOUS AREA (OPEN AREA) = 16,254.96 SF PERVIOUS AREA PERCENT OF COVERAGE = 41% LANDSCAPED AREA PERCENT = 1,625 SF = 10%	OWNER:	R&B SOUND INVESTMENTS LLC 3865 SE 58TH AVE OCALA, FL 34480-7457
	THIS PARCEL LIES WITHIN THE PRIMARY SPRINGS PROTECTION	1	

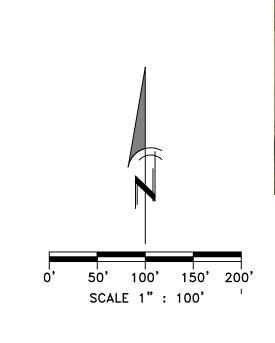
	SITE LAND	USE CHART	
IMPERVIOUS:	EXISTING (ACRES)	PROPOSED (ACRES)	PROPOSED (S.F.)
BUILDINGS	0.00	0.09	4,000
ASPHALT PAVING	0.15	0.36	15,540
CONCRETE PAVING	0.00	0.05	2,027
DRA BOTTOM	0.00	0.05	2,133
TOTAL IMPERVIOUS	0.00	0.55	23,700
PERVIOUS:			
RETENTION/ DETENTION (TOP - BTM)	0.00	0.11	4,934
OPEN AREA	0.77	0.259	11,320.96
TOTAL PERVIOUS	0.77	0.369	16,254.96
TOTAL SITE AREA	0.92	0.92	39,954.96

		ZONING INFORMATION	
ZONING	<u>FLU</u>	ACTUAL USE	PARCEL #
B-4	СОМ	COMMERCIAL	9022-0469-04
B-4	СОМ	COMMERCIAL	9022-0469-03
B-4	СОМ	COMMERCIAL	9022-0469-05
B-4	СОМ	COMMERCIAL	9022-0469-02
B-4	СОМ	COMMERCIAL	9022-0469-18
B-4	СОМ	COMMERCIAL	9022-0469-19
B-4	СОМ	COMMERCIAL	9022-0469-20
B-4	СОМ	COMMERCIAL	9022-0469-21



**ITE - TRIP GENERATION CALCULATIONS** 

FIGURE 7 ITE 11TH EDITION



FDOT DRIVEWAY STATEMENT: IN THE EVENT THAT THE DRIVEWAY BECOMES OVERLY DAMAGED DURING CONSTRUCTION OF THE SITE WORK IT MAY BE NECESSARY TO HAVE THE DRIVEWAY REPLACED . THE DRIVEWAY PAVEMENT SHALL BE 6" THICK AND CONSTRUCTED WITH 3,000 PSI CONCRETE. PER INDEX 522-003. FDOT SIDEWALK STATEMENT: CONTRACTOR SHALL ASSURE THAT THE SIDEWALK STAYS CLEAN AND FREE OF DEBRIS.

FDOT- UTILITIES IN THE R/W SHOULDER: CONTRACTOR SHALL PERFORM SHOULDER WORK AS PER INDEX 102-602. IF IT BECOMES NECESSARY TO CLOSE OR REMOVE/REPAIR THE SIDEWALK USE INDEX 522-003, AND REPLACE THE SIDEWALK TO THE NEASREST CONSTRUCTION JOINT, USE INDEX 102-660 FOR PEDESTRIANS.

FDOT - DISTURBED SOD STATEMENT: CONTRACTOR SHALL SHALL RE-SODD/SEED DISTURBED AREAS TO SPECIFICATION 570 AND 981.

TOTAL WEEKDAY TRIPS = 232 + 123 = 355

WEEKDAY = 2016 S. F. @ 107.2/1000 = 232

PEAK HOUR VARIETY STORE (814)

WEEKDAY/PEAK HOUR - HIGH TURNOVER (SIT DOWN)

RESTAURANT (932)

## CONSTRUCTION DISTURB AREA STATEMENT:

ONE HOUR BETWEEN 7 & 9 AM = 1,920 S.F. @ 9.57/1,000 = 18.37 = 19

ONE HOUR BETWEEN 4 & 6 PM = 1,920 S.F. @ 9.05/1,000 = 17.38 = 18

ONE HOUR BETWEEN 7 & 9 AM = 1,920 S.F. @ 3.04/1,000 = 5.8 = 6

ONE HOUR BETWEEN 4 & 6 PM = 1,920 S.F. @ 6.70/1,000 = 12.9 = 13

WEEKDAY - VARIETY STORE = 1,920 S.F. @ 63.68/1,000 = 122.3 = 123

ALL AREAS DISTURBED BY THE CONSTRUCTION OF THIS PROJECT WHICH ARE NOT OTHERWISE PAVED SHALL BE IMMEDIATELY SODDED FOLLOWING FINAL GRADING. ALLOW FOR THICKNESS OF SOD WITH A 2-INCH UNDERCUT. SOD SHALL BE AGENTINE BAHIA, AND SHALL BE REGULARLY WATERED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION DURATION.

## **PRE-CONSTRUCTION MEETING** NOTE:

NO SITE WORK SHALL BE CONDUCTED PRIOR TO OBTAINING A SITE PERMIT FROM THE MARION COUNTY PUBLIC WORKS @ 352-671-8686 TO SCHEDULE THE PRE-CONSTRUCTION MEETING WHICH MUST BE HELD BEFORE INSTALLING ANY REQUIRED EROSION CONTROLS OR OBTAINING ANY SITE PERMIT.

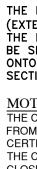
WAIVE	ERS:
APPROVAL DATE	CONDITION

## SITE MANAGEMENT STATEMENT:

ALL MATERIAL, MACHINERY AND VEHICLES SHALL BE STORED ON SITE IN AN ORDERLY FASHION.

# **OPERATION AND**

MAINTENANCE STATEMENT I HEREBY CERTIFY THAT I. MY SUCCESSORS. AND ASSIGNS SHALL PERPETUALLY OPERATE AND MAINTAIN THE STORMWATER MANAGEMENT AND ASSOCIATED ELEMENTS IN ACCORDANCE WITH THE SPECIFICATIONS SHOW HEREIN AND ON THE APPROVED PLAN.



KEVIN HUDSON *R&B SOUND INVESTMENTS LLC* 3865 SE 58TH AVE OCALA, FL 34480-7457 Tele: 352-207-0633



# MAJOR SITE & DRAINAGE PLAN FOR HUDSON DEVELOPMENT

LOTS 3 & 4

MARION COUNTY, FL PARCEL #: 9022-0469-03, 9022-0469-04 PROJECT AREA = 0.92 AC'S



LOCATION MAP SECTION 31, TWP-15, RNG-23 OCALA, FL

**OUT DOOR LIGHTING / EXTERIOR LIGHTING:** THE PROPOSED BUILDING CONSTRUCTION HAS A OUTDOOR LIGHTING (EXTERIOR LIGHTING) ON THE FACE OF THE BUILDING NEXT TO EACH OF THE ENTRY DOORS. THE LIGHTS SHALL HAVE A 60 WATT BULB AND SHALL BE SHIELDED. THE PHOTOMETRIC LIGHT SPREAD SHALL NOT OVER SHADOW ONTO THE ADJACENT PROPERTIES, AND COMPLY WITH MARION COUNTY SECTIONS 6.19.3 AND 6.19.4 OF THE LDC.

MOT/TRAFFIC CONTROL STATEMENT

THE CONTRACTOR SHALL PROVIDE A MAINTENANCE OF TRAFFIC PLAN AND INCLUDE LANE CLOSURE RESTRICTION FROM 7:00 AM TO 9:00 PM, FDOT INDEX #613 SHEETS 1 AND 2. MAINTENANCE OF TRAFFIC TO BE SUPERVISED BY A CERTIFIED PERSON. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT A MINIMUM OF TWO (2) BUSINESS DAYS PRIOR TO ANY LANE CLOSURES OR BEGINNING ANY CONSTRUCTION WITHIN THE FDOT RIGHT-OF-WAY.

STAKING NOTE ELECTRONIC PLANS SHALL BE PROVIDED TO FLORIDA LICENSED SURVEYOR FOR STAKING. STAKING FOR CONSTRUCTION SHALL TAKE PLACE AFTER PRE-CONSTRUCTION MEETING.

THE ADDRESS WILL BE VERIFIED AT THE PERMITTING STAGE AND INDIVIDUAL BUILDINGS WILL BE ISSUED UNIT NUMBERS AT THAT TIME OF PERMITTING.

ENGINEER MILES CHRISTIAN ANDERSON CONSULTING ENGINEERS, INC. 1515 E. SILVER SPRINGS BLVD., SUITE 132 OCALA, FLORIDA 34470 TELE: 352 629-5591 CONTACT: MILES C. ANDERSON, P.E.



2001	COVER SHEET
2002	SURVEY PLAN
2003	SITE PLAN
C004	DRAINAGE AND GRADING PLAN
C005	UTILITY PLAN
2006	UTILITY DETAILS
C007	SWPPP
2008	LANDSCAPE PLAN

I HEREBY CERTIFY THAT THE DRAINAGE FACILITIES ARE DESIGNED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE MARION COUNTY LAND DEVELOPMENT REGULATIONS; THAT THE ADJACENT PROPERTIES WILL BE PROTECTED FROM STORM WATER DAMAGE AS A RESULT OF THIS PROPOSED DEVELOPMENT; THAT SIGHT DISTANCES COMPLY WITH THE AASHTO POLICIES; AND THAT THE APPROPRIATE APPLICATIONS HAVE BEEN SUBMITTED TO THE S.W.F.W.M.D.

ENGINEER'S CERTIFICATION:

MILES C ANDERSON PE FLORIDA PROFESSIONAL ENGINEER # 39385 CA # 00009842 THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY MILES ANDERSON, PE ON  $\underline{6-27-24}$  USING A DIGITAL SIGNATURE PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY

		VIL ————————————————————————————————————	STRUCTUR	PRINGS BLV 70	ND PLA	NNIN	G GOLF 2	,	DESIGN 9-5591
					COVE	R S	SHEET		
				MARIO	N CC	UN	ELOPME TY, FLO -15, rng	RIDA	
					OCAI	LA, FL	ORIDA		
2	COUNTY & FDOT COMMENTS	6-25-24	DATE:	5-3-23	DESIGN:	мса	PROJ. HUDSON	DEV	SHEET
1	COUNTY COMMENTS	6-12-24	SCALE:	AS SHOWN	DRAW:	ма	FILE:	22-029	C001
No.	REVISION	DATE	APPROVED:	МСА	CHECK:	МСА	FILEP: HUDSON	DEV	

MILES CHRISTIAN ANDERSON CONSULTING ENGINEERS INC

18. ALL ACCESS AND PARKING SHALL COMPLY WITH 1997 FAC. 19. AS BUILT DRAWINGS OR CERTIFICATION REQUIRED PRIOR TO C.O. ANY MODIFICATIONS TO THE PUBLIC RIGHT OF WAY SHALL BE APPROVED BY THE COUNTY OR FDOT ENGINEER'S OFFICE. 20. AN APPROVED RIGHT OF WAY UTILIZATION PERMIT MUST BE OBTAINED FROM THE COUNTY OF FDOT, AT LEAST 5 BUSINESS DAYS BEFORE SCHEDULED WORK DATE, FOR ANY WORK TO BE DONE WITHIN THE RIGHT OF WAY.

NUMBER 4. 13. REPRODUCTIONS OF THESE PLANS ARE NOT VALID UNLESS SIGNED BY THE SURVEYOR AND ENGINEER IN RESPONSIBLE CHARGE AND SEALED WITH RAISED EMBOSSED SEALS.

14. COPIES OF THESE PLANS AS DESIGNED BY THE PROFESSIONAL ENGINEER HAVE BEEN RETAINED BY THE PROFESSIONAL ENGINEER, AND

15. THE CONTRACTOR IS RESPONSIBLE FOR ASSURING THAT ALL NECESSARY PERMITS HAVE BEEN OBTAINED PRIOR TO ANY CONSTRUCTION

16. ALL DESIGNED IMPROVEMENTS SHOWN ON THESE PLANS ARE BASED ON EXISTING DATA SUPPLIED BY THE SURVEYOR AND BORING DATA

17. FOR ANY CONSTRUCTION WITHIN THE STATE OF FLORIDA AND OR MARION COUNTY R/W THE CONTRACTOR SHALL OBTAIN THE REQUIRED

HE WILL NOT BE RESPONSIBLE FOR ANY SUBSEQUENT CHANGES TO ANY REPRODUCIBLE ORIGINAL DOCUMENTS.

OF UTILITIES SHOWN ON THESE PLANS.

RIGHT-OF-WAY PERMITS BEFORE COMMENCING WITH THIS CONSTRUCTION.

SUPPLIED BY GEOTECH, INC.

CONTROL DEVICES AND SAFE PRACTICES FOR STREET AND HIGHWAY AND UTILITY OPERATION. SEE MAINTENANCE AND CONSTRUCTION NOTE

11. PEDESTRIAN AND VEHICULAR TRAFFIC SHALL BE MAINTAINED AND PROTECTED AT ALL TIMES. 12. ALL PAVEMENT MARKINGS, MATERIALS, AND SIGNS SHALL CONFORM TO FDOT STANDARDS AND THE "MANUAL ON UNIFORM TRAFFIC

SHALL BE 3000 PSI CONCRETE UNO. GEO-TECH TO FIELD VERIFY DURING CONSTRUCTION.

10. MINIMUM STRENGTH FOR ALL CONCRETE ON SITE SHALL BE 3000 PSI AT 28 DAYS OR AS OTHERWISE NOTED. ALL VEHICEL PARKING AREAS SHALL BE PAVED W/ AUTO PAVEMENT (SEE PAVEMENT STRUCTURE THICKNESS TABLE ON C003). ALL OTHER PAVEMENT AREAS SHALL BE IN ACCORDANCE WITH TRUCK PAVEMENT AS PER PAVEMENT STRUCTURE THICKNESS TABLE ON C003, ALL CONCRETE TRUCK LOADING APRONS

9. IF A SINKHOLE SHOULD FORM ON THIS SITE, ALL APPLICABLE PROCEDURES OUTLINED IN THE "APPLICANTS HANDBOOK-KARST SENSITIVE AREAS", SJRWMD, MAY 1988, SHALL BE FOLLOWED.

IMPERVIOUS AREAS.

8. ALL RETENTION IMPROVEMENTS AND STORM SEWER SYSTEMS EXISTING AND PROPOSED MUST BE COMPLETE PRIOR TO CONSTRUCTION OF

7. THE SITE, ACCESS & R.O.W.'S ARE TO BE KEPT CLEAN & FREE OF EXCESS DUST AND DEBRIS AT ALL TIMES DURING CONSTRUCTION. ANY INCIDENCE OF EROSION, SEDIMENTATION, DUST OR DEBRIS OCCURRING OFF-SITE AS A RESULT OF CONSTRUCTION ACTIVITIES ON THIS DEVELOPMENT SHALL BE CORRECTED BY THE CONTRACTOR WITHIN 48 HOURS OF EACH OCCURRENCE.

6. A TYPE III SILT FENCE SHALL BE INSTALLED ALONG BOUNDARIES AS SHOWN ON SHEET C007 OF THE PROPOSED CONSTRUCTION, PRIOR TO ANY SITE DEVELOPMENT.

5. ALL PARKING STALLS SHALL BE STRIPED WITH 6" WHITE LINES. HANDICAP SPACES SHALL BE SIGNED AND SHALL HAVE ADDITIONAL 6" BLUE LINES INSIDE EACH SPACE AT 2" FROM WHITE LINES. ALL WORK IS TO BE DONE IN ACCORDANCE WITH FDOT STANDARDS. ALL HANDICAP PARKING & ACCESS MUST COMPLY WITH FBC CHAPTER 11

3. BOUNDARY, TOPOGRAPHY AND TREE INFORMATION IS BASED ON A SURVEY BY PREECE LAND SURVEYORS. 4. BUILDINGS SHALL BE HANDICAP ACCESSIBLE AS PER THE STATE OF FLORIDA REGULATIONS. THE ARCHITECT/ENGINEER SHALL PROVIDE BUILDING PLANS. CLEAN AND SUITABLE MATERIAL SHALL BE USED FOR CONSTRUCTION OF THE BUILDING FOUNDATION AND SHALL BE COMPACTED TO A 95% MAXIMUM DENSITY WITH TERMITE TREATMENT

ENGINEERS

CONTAINED IN MARION COUNTY LAND DEVELOPMENT REGULATIONS. 2. NO CHANGE TO THE WORK AS SHOWN ON THIS PLAN SHALL BE MADE WITHOUT PRIOR APPROVAL BY THE COUNTY AND PROJECT

GENERAL NOTES: 1. ALL CONSTRUCTION COVERED BY THESE PLANS SHALL COMPLY WITH THE MATERIAL REQUIREMENTS AND QUALITY CONTROL STANDARDS

\* SEE DRAINAGE PACKAGE FOR SIGNED O&M LETTER BY DEVELOPER.

OPERATION AND MAINTENANCE (O&M) PROPOSED MAINTENANCE PRACTICES AND SCHEDULES OF DRAINAGE FACILITIES AND SYSTEMS SHALL BE AS PER MARION COUNTY LDC. THIS SHOULD INCLUDE THE IDENTIFICATION OF THE ENTITY RESPONSIBLE FOR OPERATION AND MAINTENANCE, INCLUDING NAME, ADDRESS AND TELEPHONE NUMBER.

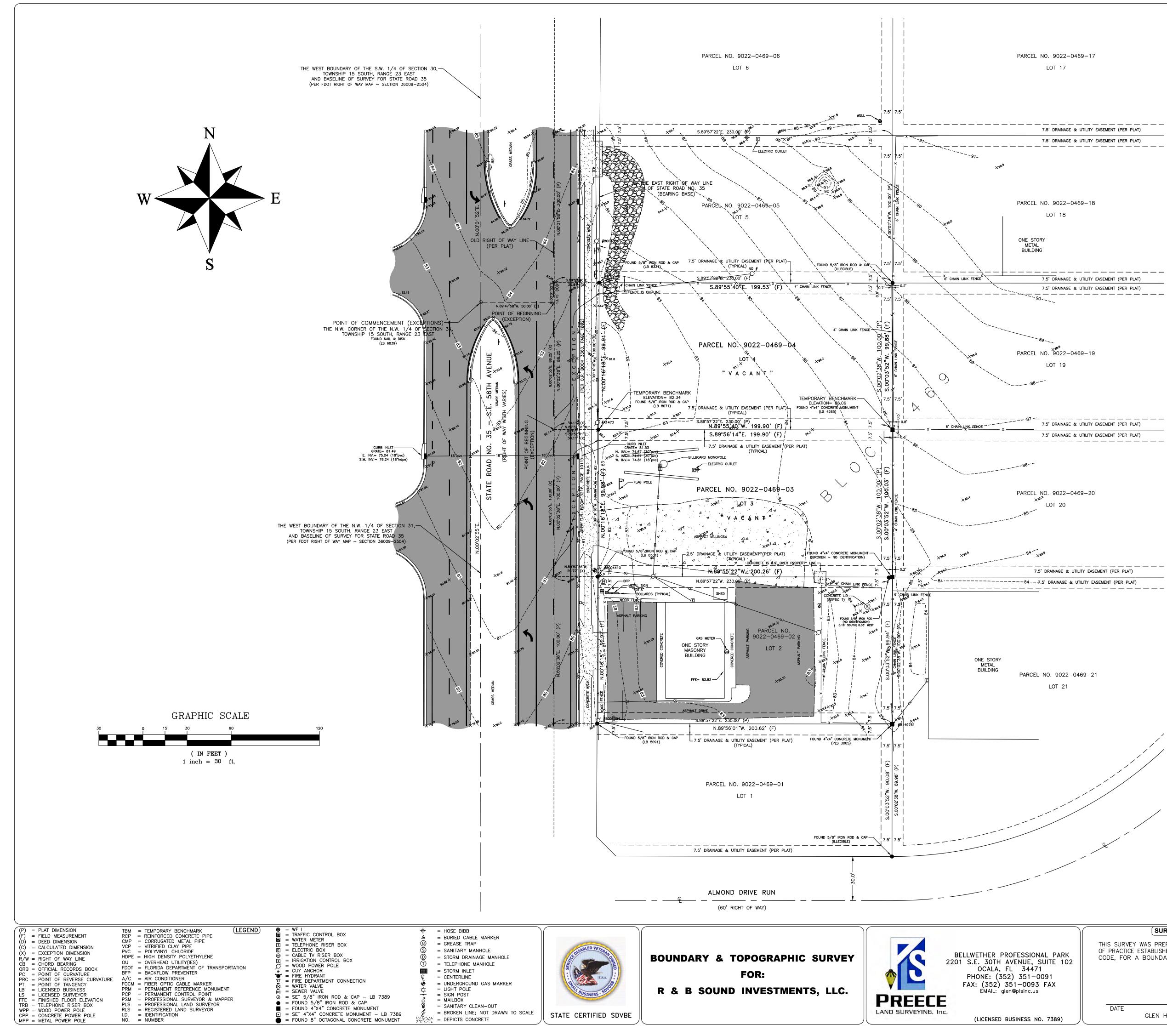
- CONSTRUCTION SHALL BE GRASSED UNLESS SOD IS SPECIFICALLY PROPOSED. SOD SHALL BE ARGENTINE BAHIA, AND SHALL BE REGULARLY WATERED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION DURATION. 4. SIGNAGE AND STRIPING WITHIN THIS SITE PLAN SHALL BE DIAMOND GRADE AND CONFORM TO F.D.O.T. T-1 SPECIFICATIONS. ALL SIGNAGE AND STRIPING TO BE INSTALLED FOR ENTRANCE ON US. HWY. 441 SHALL BE OF HIGH INTENSITY THERMOPLASTIC.
- RANSITIONS TO PIPE ENDS SHALL BE 25 FEET UNLESS OTHERWISE SHOWN ON PLAN-PROFILES. CONTRACTOR SHALL CLEAN OUT ALL PROPOSED CROSS DRAINS AFTER PLACEMENT OF SOD, OR GRASS AND MULCH ALL AREAS DISTURBED IN THE R/W DURING CONSTRUCTION OF THIS PROJECT WHICH ARE NOT OTHERWISE PAVED SHALL BE IMMEDIATELY SODDED FOLLOWING FINAL GRADING, ALLOW FOR SOD WITH A 1-1/2" UNDERCUT, OTHER AREAS DISTURBED AFTER

MAINTENANCE & CONSTRUCTION NOTES: AREA AROUND ANY PROPOSED PIPE ENDS SHALL BE FINISH GRADED AND SODDED AS PER THESE PLANS. SWALE ELEVATION

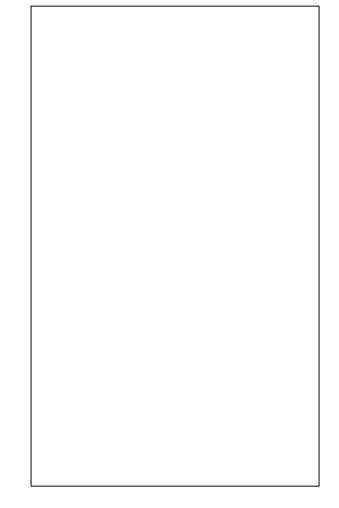
PRE-CONSTRUCTION MEETING NOTE NO SITE WORK SHALL BE CONDUCTED PRIOR TO OBTAINING A "SITE PERMIT" FROM THE COUNTY & WMD.

STORMWATER CONSTRUCTION NOTE NO CLEARING OR GRUBBING IS TO TAKE PLACE UNTIL PERMIT DOCUMENTS HAVE BEEN APPROVED ALL STORM WATER MANAGEMENT SYSTEMS SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION OF IMPERVIOUS AREAS.

THE GENERAL CONTRACTOR SHALL PROVIDE COPY OF NOI SENT TO FDEP FOR NPDES GENERAL CONSTRUCTION PERMIT REQUIREMENTS FOR THIS PROJECT WHICH IS 2.50 ACRES IF APPLICABLE. (FOR CONSTRUCTION PROJECTS DISTURBING ONE OR MORE ACRE OF LAND)



SHEET 1 OF 1



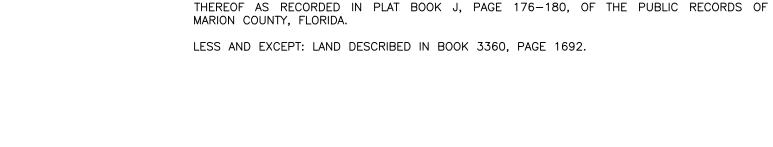
### STATE PLANE COORDINATES NORTHING (Y) ( EASTING (X) ) (SCALE FACTOR POINT 1750808.1707 639118.5637 0.999941510 1750608.2822 639117.6159 0.999941510

(PER OFFICIAL RECORDS BOOK 6891, PAGE 632, PUBLIC RECORDS, MARION COUNTY, FLORIDA)

LOT 3, BLOCK 469 OF SILVER SPRINGS SHORES UNIT NO. 22, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK J, PAGE(S) 176, OF THE PUBLIC RECORDS OF MARION

LOT 4, BLOCK 469 OF SILVER SPRINGS SHORES UNIT NO. 22, ACCORDING TO THE PLAT

LESS AND EXCEPT: LAND DESCRIBED IN BOOK 3216, PAGE 1011.



SURVEYOR'S NOTES:

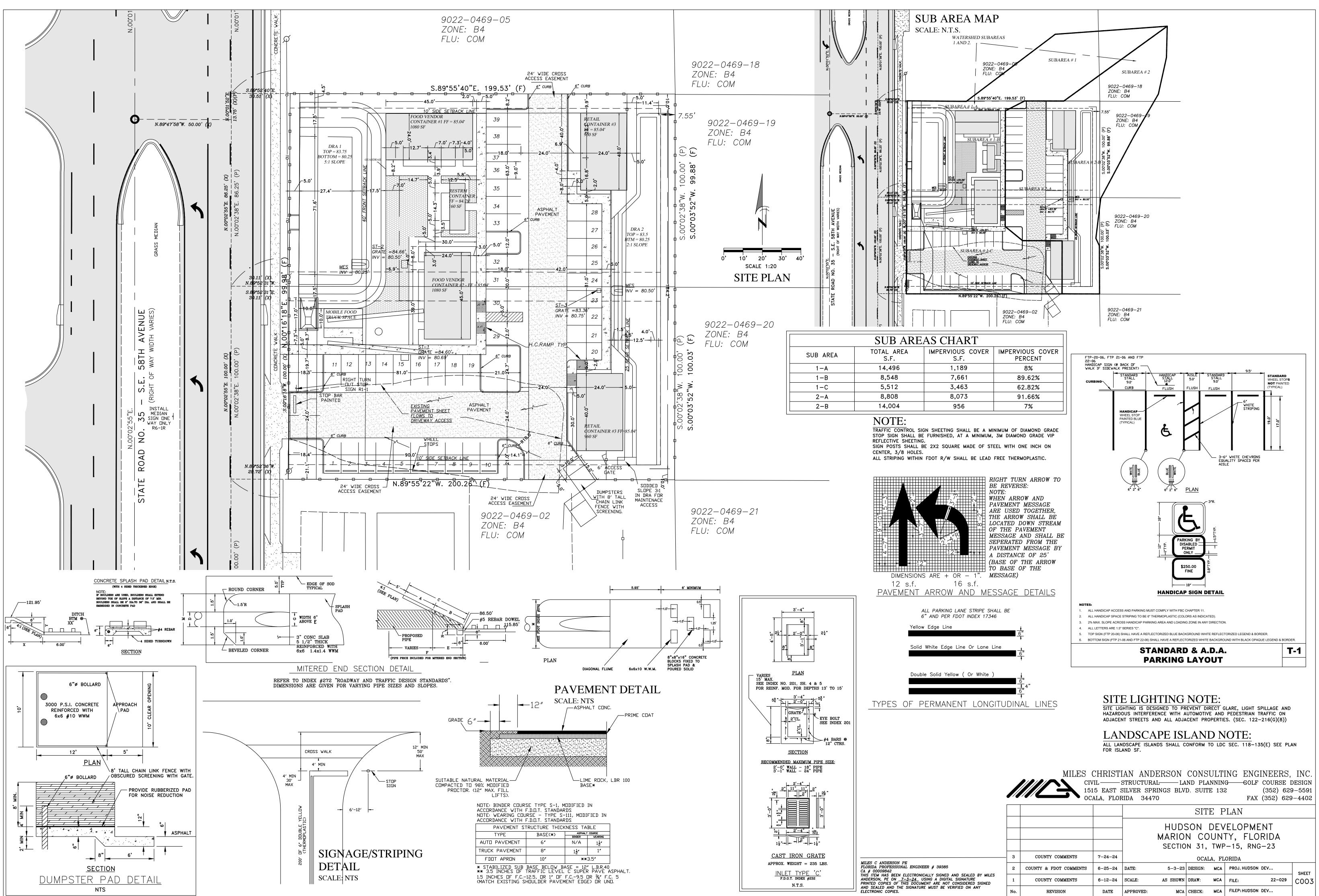
DESCRIPTION:

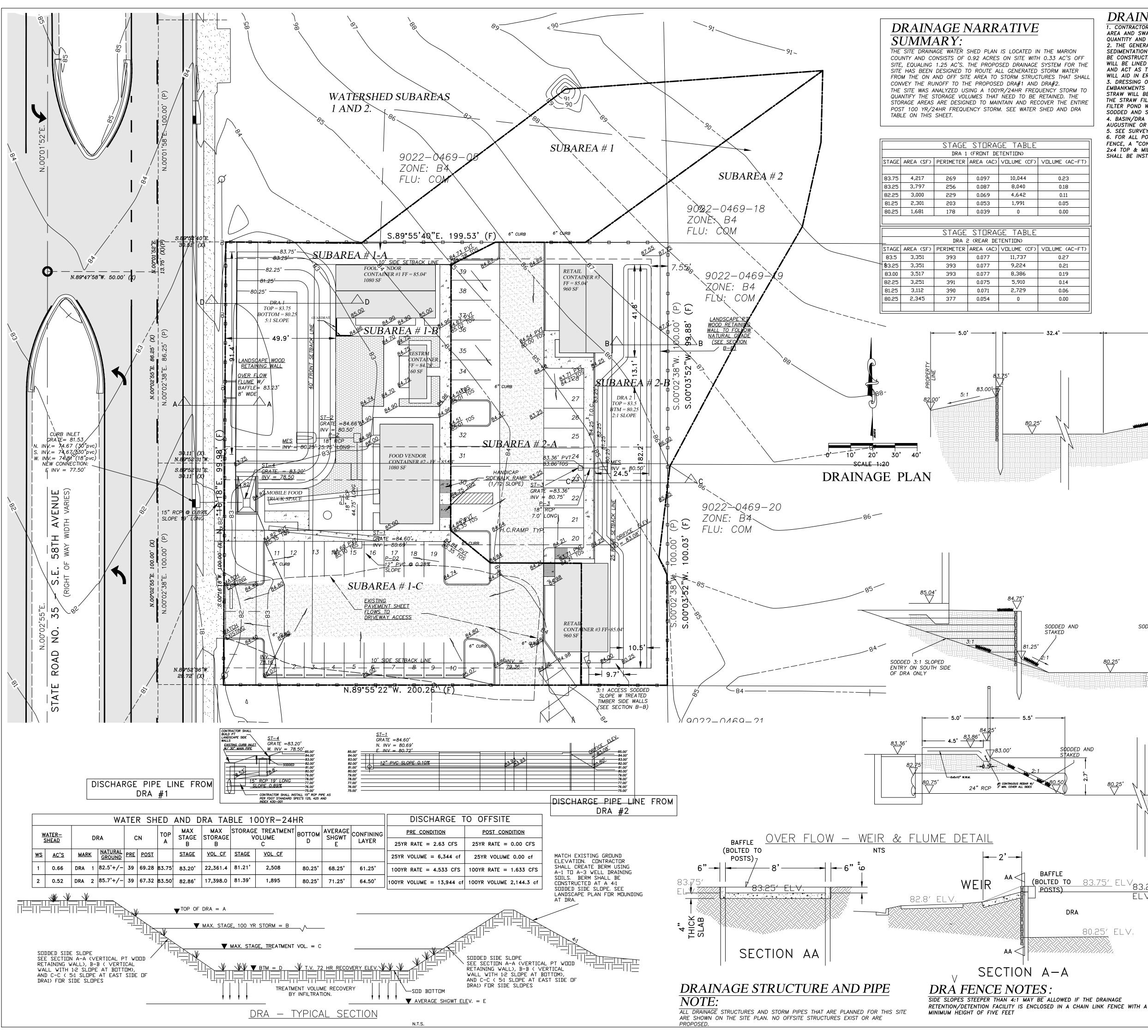
COUNTY, FLORIDA.

AND

- 1. THE FIELD MEASURED BEARINGS DEPICTED HEREON ARE ASSUMED, BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM (WEST ZONE), NAD-83, (1990 ADJUSTMENT); IN WHICH EAST RIGHT OF WAY LINE OF STATE ROAD NO. 35 ~ S.E. 58TH AVENUE BEARS N.00°16'18"E., AS DEPICTED HEREON.
- 2. UNLESS OTHERWISE SHOWN, UNDERGROUND IMPROVEMENTS WERE NOT LOCATED AS PART OF THIS SURVEY. 3. THE PUBLIC RECORDS OF MARION COUNTY, FLORIDA WERE NOT SEARCHED BY PREECE
- LAND SURVEYING, INC. 4. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE COMMITMENT.
- 5. THE LANDS DEPICTED HEREON ARE SUBJECT TO RECORDED AND UNRECORDED RIGHTS OF WAY, RESTRICTIONS, EASEMENTS AND RESERVATIONS THAT MAY OR MAY NOT APPEAR WITHIN THE PUBLIC RECORDS OF MARION COUNTY, FLORIDA.
- 6. ADDITIONS OR DELETIONS TO THIS MAP OF SURVEY AND/OR REPORT BY OTHER THAN THE SIGNING PARTY(IES) IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY(IES). 7. THIS SURVEY HAS BEEN PREPARED FOR SOLE AND EXCLUSIVE BENEFIT OF THE PARTY(IES)
- NAMED HEREON, AND SHALL NOT BE RELIED UPON BY ANY OTHER INDIVIDUAL OR ENTITY WITHOUT THE CONSENT OF SAID PARTY(IES) AND THE SIGNING SURVEYOR. 8. THIS MAP OF SURVEY IS NOT VALID AND IS TO ONLY BE USED FOR REFERENCE
- PURPOSES ONLY, UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF THE FLORIDA LICENSED SURVEYOR AND MAPPER INDICATED HEREON. 9. THE SYMBOLS USED TO REPRESENT PHYSICAL FEATURES ARE FOR GRAPHIC ILLUSTRATION ONLY AND MAY OR MAY NOT REFLECT THE ACTUAL SIZE AND SHAPE OF THE FEATURE
- BEING REPRESENTED. 10. THE SIGNING PARTY(IES) SIGNATURE DATE DOES NOT REPRESENT THE ACTUAL DATE OF SURVEY. 11. THE SURVEYED LANDS DEPICTED HEREON LIE WITHIN FLOOD ZONE "X" - AN AREA OF
- MINIMAL FLOODING, BASED ON GRAPHIC INTERPRETATION OF THE FLOOD INSURANCE RATE MAP, FOUND IN COMMUNITY PANEL NUMBER 12083C 0545 D, EFFECTIVE AUGUST 28, 2008
- 12. THE MOST CURRENT ABUTTING RECORDED INSTRUMENTS FOR ADJOINERS TO THE LANDS SURVEYED WERE NOT FURNISHED. 13. THE VERTICAL DATUM ESTABLISHED FOR THIS SURVEY WAS BASED ON THE CITY OF OCALA
- CONTROL POINT "0029", PUBLISHED ELEVATION = 69.82', NAVD-88. 14. THE STATE PLANE COORDINATES ESTABLISHED FOR THIS SURVEY WERE BASED ON N.G.S. CONTROL POINTS "V074" & "3690 GPS 1", NAD-83 (1990 ADJUSTMENT).

REVISI ADD STORM STRU		BY	DATE
ADD STORM STRU			DAIL
	ICTURE INVERTS	J.R.C.	12/20/23
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# DRAINAGE CONSTRUCTION NOTES: 1. CONTRACTOR MUST EXERCISE CAUTION AND CONSTRUCT DRAINAGE RETENTION

AREA AND SWALES AT ALL BOUNDARIES TO CONTROL MITIGATION OF ADVERSE QUANTITY AND QUALITY IMPACT OFF-SITE DUE TO STORM WATER RUNOFF. 2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROL. THE SWALE AND DRAINAGE AREAS ON THIS SITE SHALL BE CONSTRUCTED DURING THE EARTH MOVING PHASE OF CONSTRUCTION. THEY WILL BE LINED WITH STRAW DURING THE REMAINDER OF THE SITE CONSTRUCTION AND ACT AS TRAPS FOR ANY DEBRIS ORIGINATING FROM THE SITE. THE STRAW WILL AID IN EROSION AND SEDIMENTATION CONTROL. 3. DRESSING OF THE SWALE AND DRAINAGE RETENTION OR CONVEYANCE EARTHEN EMBANKMENTS WILL OCCUR DURING THE FINAL PHASE OF CONSTRUCTION. THE STRAW WILL BE REMOVED AS WILL ANY FINES THAT MAY HAVE PASSED THROUGH

THE STRAW FILTER. THE BANKS WILL THEN BE SODDED AND THE FLOOR OF THE FILTER POND WILL BE LEFT OPEN. ANY 2:1 OR STEEPER SLOPES SHALL BE SODDED AND STAKED. 4. BASIN/DRA SLOPES AND BOTTOM TO BE FULLY VEGETATED. USE OF ST

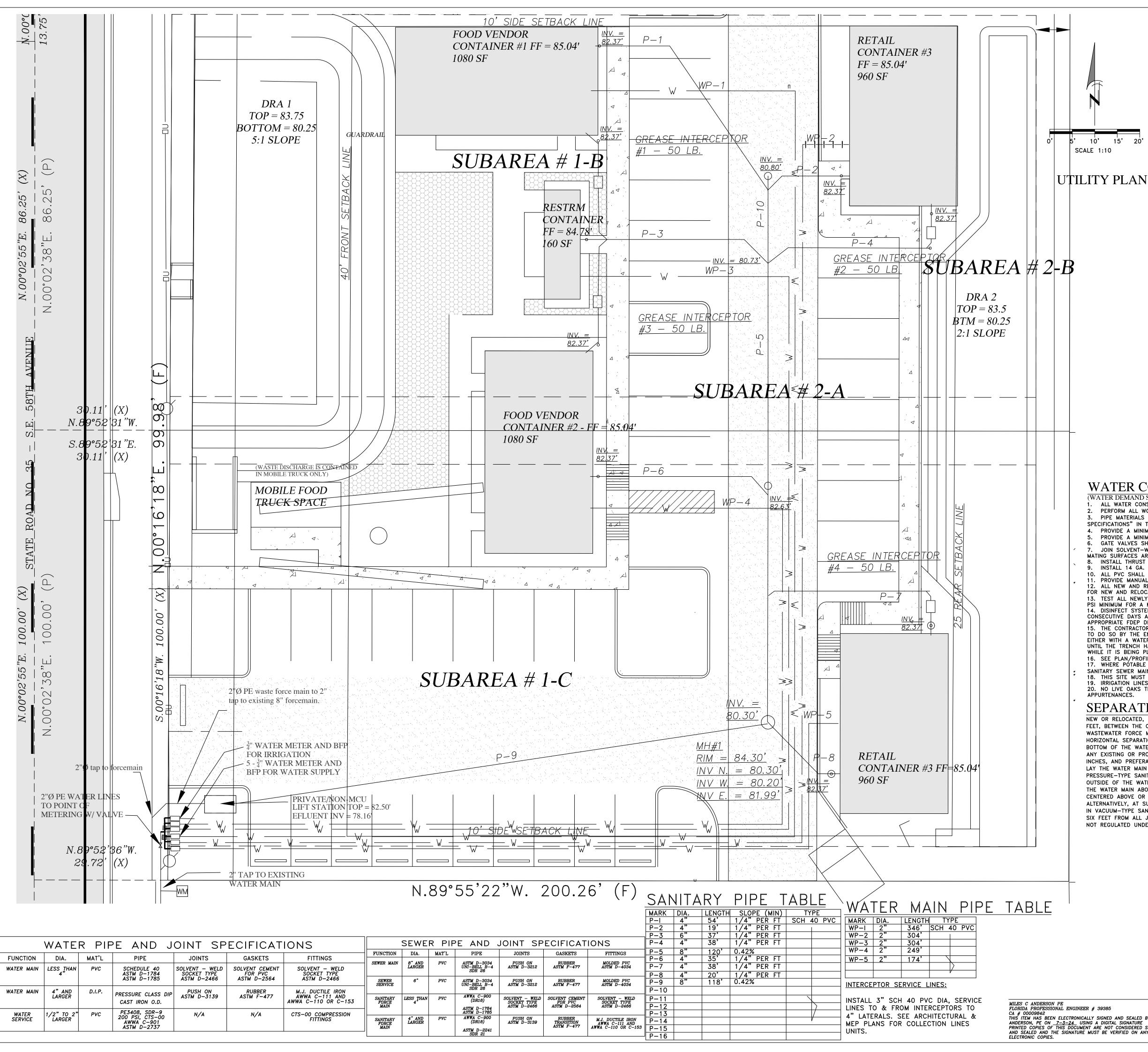
AUGUSTINE OR BERMUDA GRASS IS SUGGESTED. 5. SEE SURVEY SHEET FOR BENCHMARK 6. FOR ALL PORTIONS OF THE PROPERTY PERIMETER NOT LINED WITH TYPE III SILT

FENCE, A "CONSTRUCTION BARRIER" CONSISTING OF 2x4 POST @ 12' O.C. WITH 2x4 TOP & MIDDLE RAILS AND HEAVY DUTY HDPE ORANGE CONSTRUCTION FENCE SHALL BE INSTALLED.

SUB AREAS 1 & 2 ON & OFF SITE CHART								
SUB AREA	TOTAL AREA S.F.	IMPERVIOUS COVER S.F.	IMPERVIOUS COVER PERCENT					
1	31,517	16,177	51.33%					
2	22,890.	9,274	40.21%					
_		ON & OFF SIT						
1 & 2	54,399	26,577	48.8%					

	17.5'		2.0	·	S	ECTIO	N D-D
	5:1 FROM	- TO ST-2	PE RUN TA SIZE TYPE 24" RCP	,	33' 00YR		
	ST-2 TYPE C		30" RCP	25.75LF	.38%	82.30	
	ST-3 TYPE C	NES2	24" RCP	7.0 LF	0.89%	82.86	82.86
	ST-4 TYPE C	– EST DR	15" RCP	19.0 LF	0.89%	82.86	82.86
D AND SODDE B0.25' SODDED AND STAKED N 80.25' N 80.25'	F	VARIES FRO 87.75' TO E DDDED & PLANTING 85.55'	85.55'	ANDERSON PE	ION C		
E <u>To 83.75'</u> ELV <mark>83.2</mark> 5	5′ MILES	CHRISTIAN	CA # 000 THIS ITEM ANDERSON PRINTED C	HAS BEEN ELL I, PE ON <u>7-3</u> COPIES OF THIS ED AND THE S IC COPIES.	ECTRONICALLY <u> -24</u> USING A DOCUMENT AN IGNATURE MUS	SIGNED AND SI A DIGITAL SIGNA RE NOT CONSIL T BE VERIFIED	DERED SIGNED ON ANY
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A			HUDS MARIO SECTIC	N 31, 1	WP-15,		
	3 COUNTY & FDOT COMMENTS	7-24-24		UCALA	, FLORIDA		

COUNTY & FDOT COMMENTS 6-25-24 DATE: 5-3-23 DESIGN: MCA PROJ. HUDSON DEV... SHEET COUNTY COMMENTS 6-12-24 | SCALE: AS SHOWN DRAW: 22-029 C004 MCA | FILE: MCA CHECK: MCA FILEP: HUDSON DEV... REVISION DATE APPROVED



# **UTILITY NOTES:**

1. THE SITE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN, THROUGH DIRECT CONTACT WITH THE UTILITY COMPANIES. CONTACT SHALL BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT. ANY UTILITIES OBSTRUCTIVE TO THE CONTRACTOR'S OPERATION ARE TO BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION. 2. IT SHALL BE THE RESPONSIBILITY OF THE SITE CONTRACTOR TO COORDINATE ANY UNDERGROUND ELECTRIC AND/OR TELEPHONE PAVEMENT CROSSINGS TO ASSURE THAT THE DEPTH OF CONDUITS SHALL NOT CONFLICT WITH OTHER UNDERGROUND UTILITIES. 3. WATER SUPPLY SHALL BE PROVIDED BY CITY UTILITIES, AND THE DISTRIBUTION SYSTEM AS COVERED BY THE IMPROVEMENT PLANS, SHALL BE INSTALLED AT THE DEVELOPERS EXPENSE. THE DESIGN SHALL INCLUDE ADEQUATE FIRE FLOW PROTECTION. 4. THE UTILITIES' CONTRACTORS SHALL BE RESPONSIBLE FOR ACQUIRING ANY CONSTRUCTION PERMITS NECESSARY PRIOR TO CONSTRUCTION. UTILITY COMPANIES SHALL SUBMIT TO THE PROJECT ENGINEER FOR APPROVAL, A WRITTEN REQUEST TO UTILIZE ANY EASEMENTS SHOWN ON THESE PLANS OR IN AREAS NOT PRESENTLY DESIGNATED AS A UTILITY EASEMENT, PRIOR TO CONSTRUCTION. 5. EXISTING TREES TO REMAIN SHALL HAVE ANY LOW LIMBS TRIMMED TO ALLOW AERIAL CLEARANCE FOR VEHICLES AND/OR AERIAL UTILITIES. REFER TO FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", SECTIONS 110-2.3 AND 110-3. AERIAL UTILITIES SHALL BE 18' MINIMUM ABOVE CENTERLINE GRADE OF ROAD. TRIMMING TO BE SUPERVISED BY A CERTIFIED ARBORIST. 6. ALL WATER SERVICE SHALL BE INSTALLED BY CONTRACTOR. BACK FLOW PREVENTORS SHALL BE INSTALLED ON THE CUSTOMERS SIDE OF THE WATER METER BOX AT A MINIMUM OF 18" FROM FINAL GRADE TO BOTTOM OF BACKFLOW. 7. ANY MAIN OR WATER SERVICE 2 INCH OR ABOVE IN SIZE ARE HAVE GATE VALVES INSTALLED. ANY 2 INCH OR LARGER VALVE IS REQUIRED TO HAVE A VALVE TIE SHEET SUPPLIED WITH THE ASBUILT. 8. A DOUBLE SWEEP CLEAN-OUT IS TO BE INSTALLED AT PROPERTY LINE WHERE A MANHOLE IS NOT AVAILABLE. A CLEAN-OUT IS TO BE INSTALLED EVERY 75 FEET FROM THE POINT OF CONNECTION AND AT EACH BEND IN SEWER SERVICE. SEWER CONSTRUCTION NOTES' (SEWER DEMAND SEE CALCULATION FOR GPD) 1. ALL SEWER CONSTRUCTION SHALL CONFORM TO CURRENT WATER AND SEWER CONSTRUCTION FDEP OR FDOH STANDARDS. ALL OTHER SEWER SYSTEMS AND COMPONENTS SHALL COMPLY WITH THE REQUIREMENTS SHOWN BELOW. PROVIDE MINIMUM 48" COVER TO TOP OF PIPES FOR FORCE MAINS. 3. PERFORM ALL WORK IN COMPLIANCE WITH THE STANDARD PLUMBING CODE AND IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. 4. PIPE MATERIALS SHALL COMPLY WITH THE REQUIREMENTS AND STANDARDS SHOWN IN THE TABLE OF "WATER AND SEWER PIPE AND JOINT SPECIFICATIONS" IN THESE PLANS. 5. INSTALL PVC PIPE PER PROCEDURES OUTLINED IN ASTM D2321, UNDERGROUND INSTALLATION OF FLEXIBLE THERMOPLASTIC SEWER PIPE", AND UNI-BELL SPECIFICATION B-5. EMBED PIPE AND FITTINGS IN THE TRENCH TRUE TO LINE AND GRADE AND WITH THE PIPE BOTTOM UNIFORMLY AND CONTINUOUSLY SUPPORTED BY A FIRM FOUNDATIONS AND BEDDING. LAY PIPE WITH THE BELLS UPSTREAM. REMOVE BURRS AND BEDDING. LAT FIFE WITH THE BELLS OFSTREAM.
 REMOVE BURRS AND SMOOTHLY BEVEL ALL CUT ENDS OF FIPE.
 INSTALL 14 GA. COPPER LOCATING WEIR ON ALL NONMETALLIC FORCE MAINS.
 LAMP TEST COMPLETED SEWER MAINS. REPLACE ANY PIPE SHOWING LESS THAN FULL ROUND SECTION. 10. TEST ALL PIPES FOR LEAKAGE IN ACCORDANCE WITH VOLUME III CITY WATER AND SEWER UNI-B-6, "RECOMMENDED PRACTICE FOR LOW PRESSURE AIR TESTING," CORRECT ANY SECTION HAVING A PRESSURE DROP FROM 3.5 TO 3.0 PSI IN LESS THAN 5 MINUTES. 11. TEST ALL NEWLY INSTALLED SEWER FORCE MAINS IN ACCORDANCE WITH SECTION 4, "HYDROSTATIC TESTING" OF AWWA C-600. PRESSURE TEST AT 150 PSI MINIMUM FOR A MINIMUM DURATION OF TWO HOURS. 12. RECORD (ON RECORD DRAWINGS) THE DISTANCE TO ALL WYES AND TERMINAL POINTS FROM CENTER OF MANHOLE IMMEDIATELY DOWNSTREAM. 13. SEE FORCE MAIN THRUST BLOCK DETAILS. 14. WHERE POTABLE WATER AND SANITARY SEWER MAINS CROSS THE MINIMUM VERTICAL AND HORIZONTAL SEPARATION BETWEEN POTABLE WATER AND SANITARY SEWER MAINS SHALL COMPLY WITH RULES 62-604.400(2)(g) - (i),F.A.C. AND 62-604.400 (3),F.A.C. SEE SEPARATION NOTE ON THIS PAGE 15. NO LIVE OAK TREES OR AGGRESSIVELY ROOTED LANDSCAPING SHALL BE INSTALLED WITHIN 30 FEET OF SEWER APPURTENANCES.

## WATER CONSTRUCTION NOTES:

(WATER DEMAND SEE CALCULATIONS FOR GPD) 1. ALL WATER CONSTRUCTION SHALL CONFORM TO CURRENT WATER AND SEWER CONSTRUCTION FDEP STANDARDS.

2. PERFORM ALL WORK IN COMPLIANCE WITH STANDARD PLUMBING CODE AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PIPE MATERIALS SHALL COMPLY WITH THE REQUIREMENTS AND STANDARDS SHOWN IN THE TABLE OF "WATER AND SEWER PIPE AND JOINT

- SPECIFICATIONS" IN THESE PLANS. 4. PROVIDE A MINIMUM OF 36" COVER TO TOP OF PIPE FOR ALL MAINS.
- PROVIDE A MINIMUM OF 48" COVER FOR ALL SERVICE LINES WITHIN THE R/W AND 36" OUTSIDE THE R/W.
- GATE VALVES SHALL BE RESILIENT-SEATED GATE VALVES COMPLYING WITH AWWA C-509. JOIN SOLVENT-WELD PIPE AND FITTING IN ACCORDANCE WITH ASTM D2855 'MAKING SOLVENT CEMENTED JOINTS WITH PVC AND FITTINGS' SO THAT MATING SURFACES ARE TIGHTLY FUSED.
- INSTALL THRUST BLOCKING AT ALL DIRECTION CHANGES OR DEAD ENDS.
   INSTALL 14 GA. COPPER LOCATING WIRE ON ALL NON-METALLIC WATER MAINS AND SERVICES.
- 10. ALL PVC SHALL COMPLY WITH THE REQUIREMENTS OF NSF 14 AND SHALL BE LABELED WITH THE LOGO "NSF- POTABLE WATER". 11. PROVIDE MANUAL AIR RELEASE VALVES AT ALL LOCATIONS SHOWN, AND AT ANY OTHER HIGH POINTS IN LINE.
- 12. ALL NEW AND RELOCATED WATER MAINS, FITTINGS, AND SERVICES SHALL CONTAIN NO MORE THAN EIGHT PERCENT LEAD. ALL SOLDERS AND FLUX FOR NEW AND RELOCATED WATER LINES SHALL CONTAIN NO MORE THAN 8.2 PERCENT LEAD. 13. TEST ALL NEWLY INSTALLED WATER MAINS IN ACCORDANCE WITH SECTION 4, "HYDROSTATIC TESTING" OF AWWA C-805. PRESSURE TEST AT 150 PSI MINIMUM FOR A MINIMUM TWO HOUR DURATION.
- 14. DISINFECT SYSTEM PER AWWA C-651. FOLLOWING COMPLETION OF THE SYSTEM, OBTAIN SATISFACTORY BACTERIOLOGICAL TESTS FOR TWO CONSECUTIVE DAYS AT SAMPLE POINTS INDICATED ON THE PLANS. SUBMIT COPIES OF BACTERIOLOGICAL TEST RESULTS TO ENGINEER AND TO APPROPRIATE FDEP DISTRICT OFFICE WITHIN 30 DAYS OF TESTS. REFERENCE PERMIT NUMBER ON COVER SHEET OF THIS PLAN. 15. THE CONTRACTOR SHALL PROVIDE AND KEEP IN OPERATION ENOUGH SUITABLE PUMPING EQUIPMENT WHENEVER NECESSARY OR WHENEVER DIRECTED TO DO SO BY THE ENGINEER, FOR DE-WATERING OF EXCAVATIONS, WHENEVER PIPE LAYING IS NOT IN PROGRESS, CLOSE THE OPEN ENDS OF THE PIPE EITHER WITH A WATER TIGHT PLUG OR BY OTHER MEANS APPROVED BY THE ENGINEER. IF THERE IS WATER IN A TRENCH, LEAVE THIS SEAL IN PLACE UNTIL THE TRENCH HAS BEEN PUMPED COMPLETELY DRY. TAKE EVERY PRECAUTION TO KEEP WATER OR FOREIGN MATERIAL FROM GETTING INTO THE PIPE
- WHILE IT IS BEING PLACED IN THE TRENCH. 16. SEE PLAN/PROFILES FOR STATION OF HIGH POINT FOR LOCATING AIR RELEASE VALVES. 17. WHERE PÓTABLE WATER AND SANITARY SEWER MAINS CROSS THE MINIMUM VERTICAL AND HORIZONTAL SEPARATION BETWEEN POTABLE WATER AND SANITARY SEWER MAINS SHALL COMPLY WITH RULES 62-604.400(2)(g) - (i),F.A.C. AND 62-604.400 (3),F.A.C. SEE SEPARATION NOTE ON THIS PAGE.
- 18. THIS SITE MUST MEET THE MINIMUM ISO FIRE HYDRANT COUNT AND PRESSURE REQUIREMENTS.
- 19. IRRIGATION LINES AND SYSTEMS SHALL BE IN COMPLIANCE WITH THE MARION COUNTY LDC. 20. NO LIVE OAKS TREES OR AGGRESSIVELY ROOTED LANDSCAPING SHALL BE INSTALLED WITHIN 30 FEET OF EXISTING OR PROPOSED WATER

## **SEPARATION NOTE:**

NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE SEWER. NEW OR RELOCATED, UNDERGROUND WATER MAIN CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 6 INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORM WATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE. AT THE UTILITY CROSSINGS DESCRIBED ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRAIGNED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III CHAPTER 62-610, F.A.C. AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY-OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

	GREASE INTERCEPTOR CALCULATION											
			MARK	SEATS	GS	HR	HR/12	LF	TOTA		INTERCEPTORS	
A2810100.83.75174.3 GALLONSCOMMERCIAL CAPACITY 25 GPM												
INTERCEPTOR EQUATION: $(S)(GS)(HR/12)(LF) = TOTAL GALLONS$ MARK: $A = SINGLE SERVICE$ (PAPER, PLASTIC, NO CUTLERY OR DISHES) MAX GPM = 2.4 ; PEAK FLOW FACTOR 4 = 9.6 GPM/CONTAINER SET UP.												
MILES CHRISTIAN ANDERSON CONSULTING ENGINEERS, INC.												
CIVIL — STRUCTURAL LAND PLANNING GOLF COURSE DESIGN 1515 EAST SILVER SPRINGS BLVD. SUITE 132 (352) 629–5591 0CALA, FLORIDA 34470 FAX (352) 629–4402								29-5591				
		UTILITY PLAN										
			HUDSON DEVELOPMENT MARION COUNTY, FLORIDA									
				SECTION 31, TWP-15, RNG-23 OCALA, FLORIDA								
R # 39385	2	COUNTY & FDOT COMMENTS	6-25-24	DATE:		5	5-3-23	DESIGN:	МСА	PROJ.	. HUDSON DEV	SHEET
ALLY SIGNED AND SEALED BY MILES ING A DIGITAL SIGNATURE INT ARE NOT CONSIDERED SIGNED	1	COUNTY COMMENTS	6-12-24	SCALE:		AS	SHOWN	DRAW:	МСА	FILE:	22–029	C005
MUST BE VERIFIED ON ANY	No.	REVISION	DATE	APPROVE	D:		МСА	CHECK:	МСА	FILEP	:HUDSON DEV	

WATER AND SEWER (GPD) PER CHAPTER 64E-6.008,F.A.C.: ESTIMATED SEWER **RESTAURANT (FAST FOOD): 20 GPD PER SEAT** TOTAL SEATS = 28 (EA. POD) 20 GPD X 28 X 2 = 1,120 GPD RETAIL SPACE: .01 GPD PER SQ.FT TOTAL FLOOR AREA = 1,920 SF (EA. POD)  $1920 \times 0.1 \times 2 = 384 \text{ GPD}$ SEWER DEMAND: = 1,504 GPD WATER DEMAND: = SEWAGE FLOW X 80% = 1,504 X .80 = 1,203.2 GPD RESTAURANT/RETAIL = GPD / 24= 1,203.2 / 24 = 50.13 GPH

TOTAL SITE BUILDING USAGE AREAS

TOTAL RESTUARANT SPACE = 1,920 SF SF

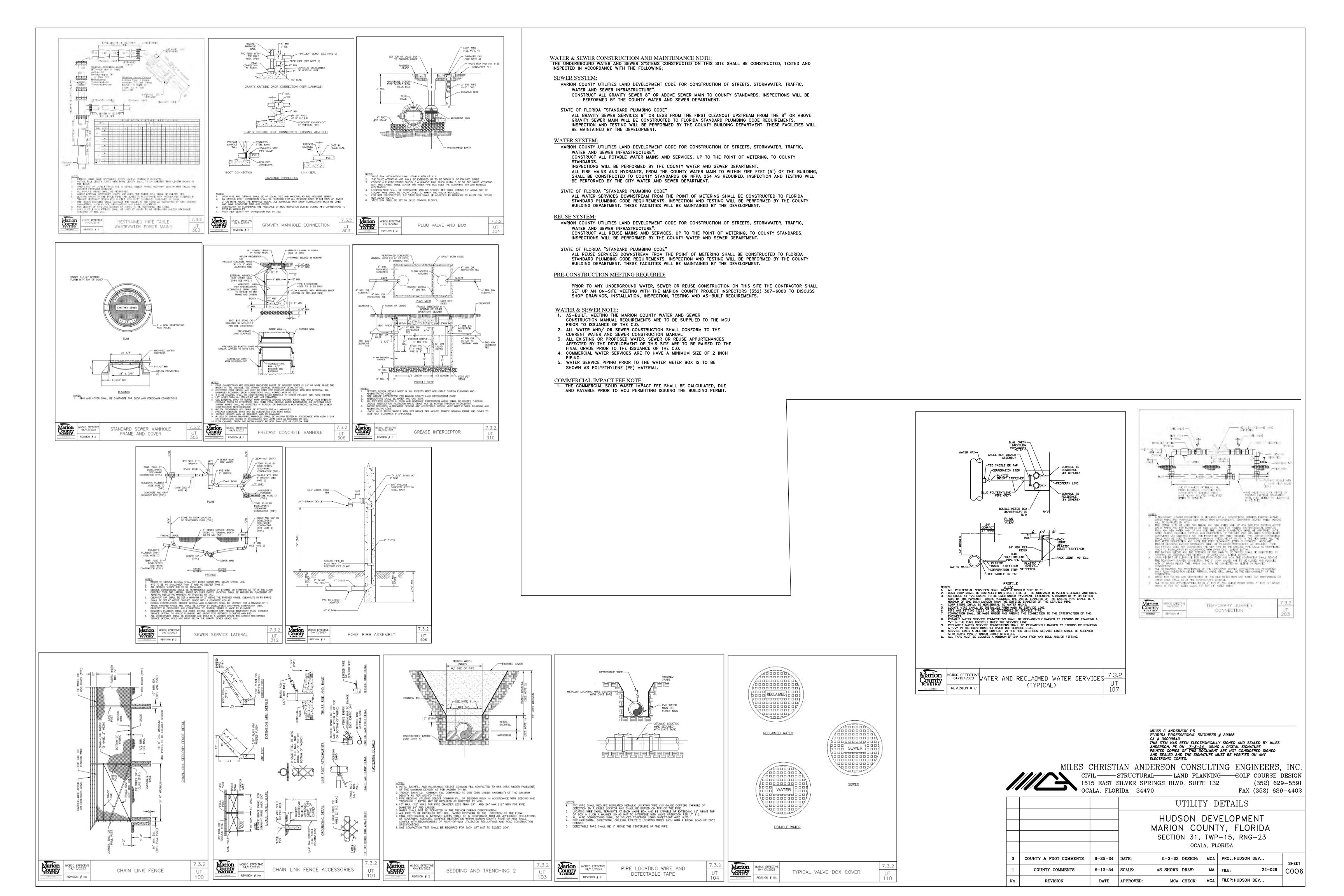
TOTAL RETAIL SPACE = 1,920 SF

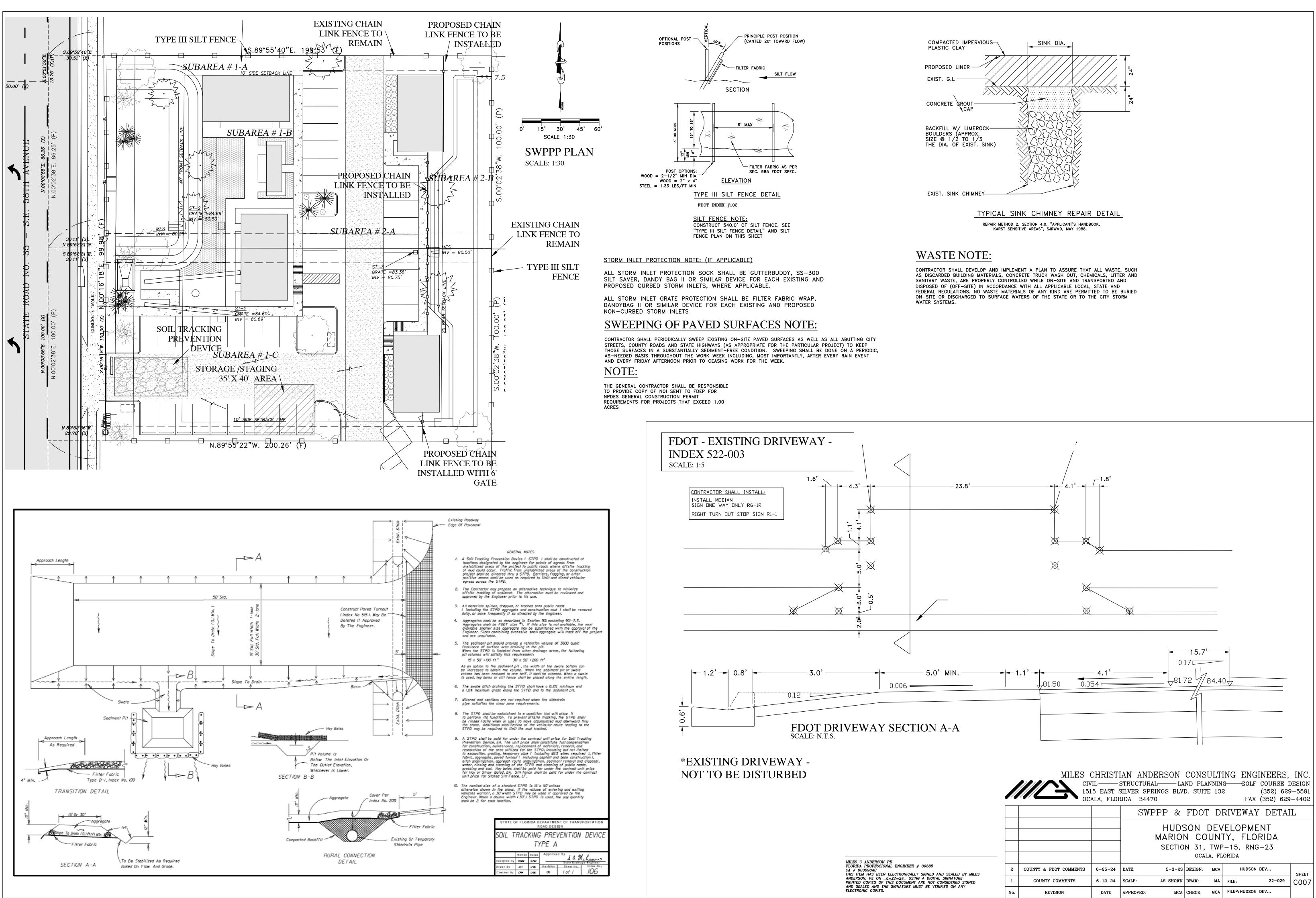
PEAK FACTOR: = 4.00 X GPH = 4.00 X 50.13 GPH = 200.53 GPH **IRRIGATION DEMAND** 

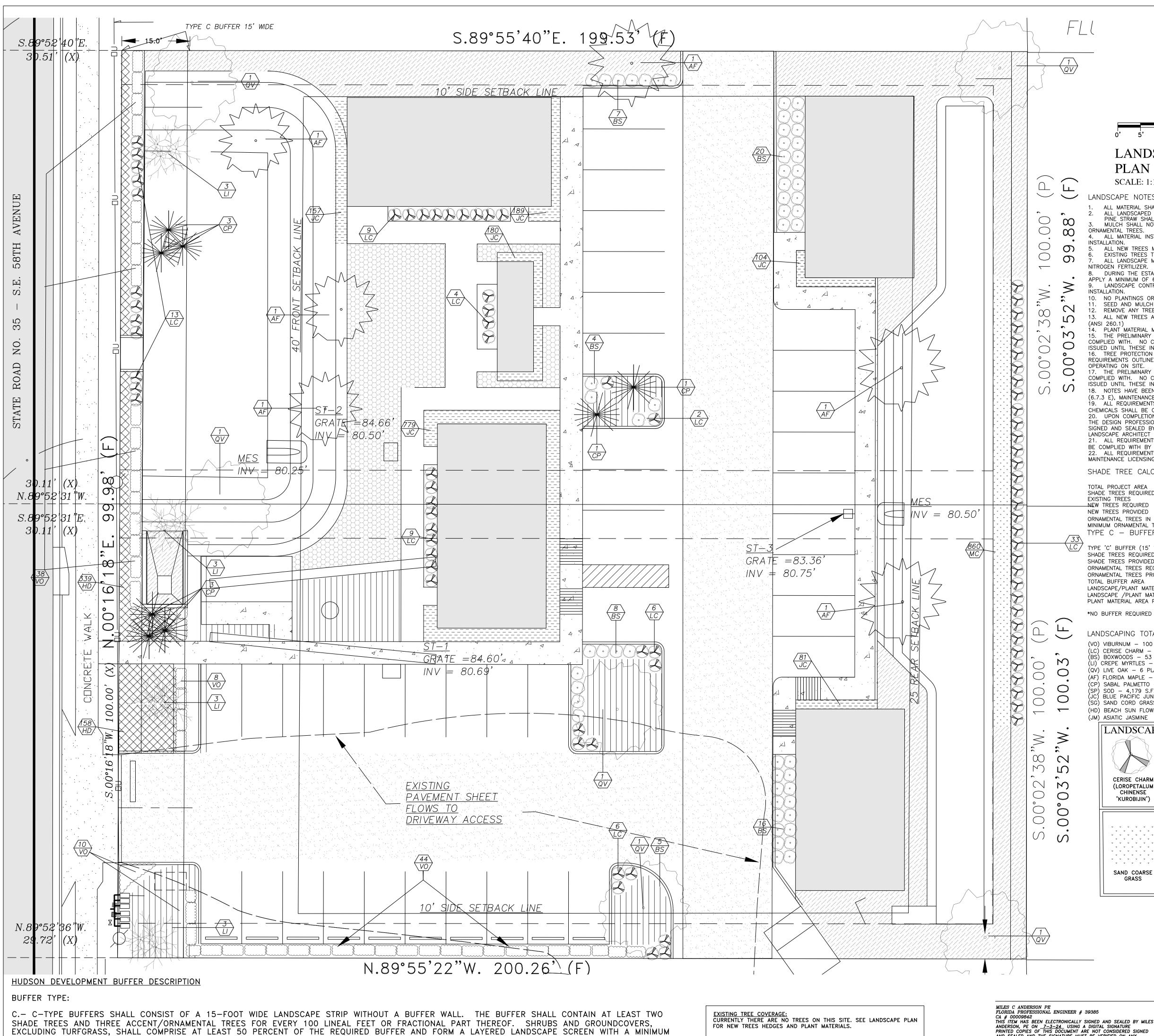
LANDSCAPED AREA = 26,670,33 SF IRRIGATION = 2" PER WEEK IRRIGATION RATE = 85.54 GPD

IFAS RECCOMENDATION  $\frac{1}{2}$ " TO  $\frac{3}{4}$ " PER SF. SEE LANDSCAPE PLAN 449.29 GPR 449.29 GPR X 2 RUNS/WEEK = 898.6 GPW 89+8.6 GPW / 7 DAYS / WK = 128.37 GPD ON AVERAGE

INSTALL<sup>3</sup>/<sub>4</sub>" IRRIGATION METER AND BFP

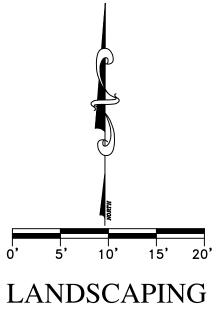






HEIGHT OF THREE FEET ACHIEVED WITHIN ONE YEAR.

AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



# PLAN

SCALE: 1:10

LANDSCAPE NOTES ALL MATERIAL SHALL BE FLORIDA #1 GRADE OR BETTER. ALL LANDSCAPED AREAS SHALL BE MULCHED WITH CYPRESS BARK MULCH PINE STRAW SHALL NOT BE USED MULCH SHALL NOT BE INSTALLED ON TOP OF THE ROOT BALLS OF ANY SHADE OR ORNAMENTAL TREES. 4. ALL MATERIAL INSTALLED SHALL MEET THE 2020 GRADES AND STANDARDS FOR LANDSCAPE NATIVE TREE CALCULATIONS INSTALLATION. ALL NEW TREES MUST BE GUYED OR STAKED AS DETAILED. EXISTING TREES THAT ARE TO REMAIN MUST BE PROTECTED THROUGHOUT CONSTRUCTION. TOTAL NEW TREES = 32 ALL LANDSCAPE MATERIAL MUST BE INSTALLED WITH NATIVE PEAT AND SLOW-RELEASE NATIVE TREES REQUIRED = 16 (50%)NITROGEN FERTILIZER. NATIVE TREES PROVIDED = 32(100%)DURING THE ESTABLISHMENT PERIOD (FIRST 30 DAYS) THE LANDSCAPE CONTRACTOR SHALL APPLY A MINIMUM OF 60-80 GPD TO ALL NEW TREES. NATIVE MATERIAL CALCULATIONS LANDSCAPE CONTRACTOR MUST LOCATE ALL UNDERGROUND UTILITIES PRIOR TO ANY INSTALLATION. 10. NO PLANTINGS OR OTHER OBSTRUCTIONS MAY BE WITHIN THE 2' VEHICULAR OVERHANG AREA. TOTAL PLANT MATERIAL USED = 3,455 NATIVE MATERIAL REQUIRED = 864 (25% INSIDE UGB) SEED AND MULCH SHALL BE INSTALLED IN ALL DISTURBED AREAS. NATIVE MATERIAL PROVIDED = 1,896(55%)12. REMOVE ANY TREE WRAP FROM AROUND THE TRUNK OF NEW TREES TO BE INSTALLED. 13. ALL NEW TREES AND SHRUBS MUST MEET THE "AMERICAN STANDARDS FOR NURSERY STOCK' INCHES DBH REQUIRED CALCULATIONS (ANSI 260.1) 14. PLANT MATERIAL MUST MEET ALL SIZE SPECIFICATIONS, NOT JUST CONTAINER SIZE. 15. THE PRELIMINARY AND FINAL INSPECTIONS AS OUTLINED IN SECTION 6.7.12 SHALL BE TOTAL REQUIRED = 100 INCHES / AC = 92"COMPLIED WITH. NO CERTIFICATE OF OCCUPANCY OR CERTIFICATION OF COMPLETION SHALL BE EXISTING INCHES PRESERVED = 0 ISSUED UNTIL THESE INSPECTIONS HAVE BEEN COMPLETED AND APPROVAL GRANTED. REPLACEMENT INCHES = 92 INCHES REQUIRED 16. TREE PROTECTION SHALL CONTINUE DURING THE COURSE OF CONSTRUCTION. ALL TOTAL PROVIDED: REQUIREMENTS OUTLINED IN SECTION 6.7.3 E SHALL BE COMPLIED WITH BY ALL CONTRACTORS  $OAK - 6 \times 3.5" = 21"$ FLORIDA MAPLE - 6 X 3.5" = 21" OPERATING ON SITE. 17. THE PRELIMINARY AND FINAL INSPECTIONS AS OUTLINED IN SECTION 6.7.12 SHALL BE SABAL PALMETTO  $-8 \times 6 = 48"$ COMPLIED WITH. NO CERTIFICATE OF OCCUPANCY OR CERTIFICATION OF COMPLETION SHALL BE CREPE MYRTLE  $- 12 (4 \times 3.5) = 14"$ ISSUED UNTIL THESE INSPECTIONS HAVE BEEN COMPLETED AND APPROVAL GRANTED. Total = 104" 18. NOTES HAVE BEEN SHOWN REGARDING LICENSING (6.18.15 & 6.9.10), TREE PROTECTION (6.7.3 E), MAINTENANCE (6.8.13 & 6.9.8) FERTILIZER USE (6.8.4) AND WATERING (6.9.9). 19. ALL REQUIREMENTS OUTLINED IN SECTION 6.8.4 REGARDING FERTILIZER AND OTHER LANDSCAPE BUILDING FRONTAGE LANDSCAPING CHEMICALS SHALL BE COMPLIED WITH BY THE OWNER AND/OR OTHER LANDSCAPE PROFESSIONALS. 20. UPON COMPLETION OF THE INSTALLATION, THE CONTRACTOR SHALL REQUIRE AN INSPECTION BY TOTAL BUILDING FRONTAGE = 45 LF BLDG. 1 & 2 THE DESIGN PROFESSIONAL. A LANDSCAPE AND IRRIGATION AS-BUILT CERTIFICATION SHALL BE TOTAL BUILDING FRONTAGE = 40 LF BLDG. 3 & 4 SIGNED AND SEALED BY THE DESIGN PROFESSIONAL AND SUBMITTED TO THE MARION COUNTY TOTAL BUILDING FRONTAGE = 170 LF LANDSCAPE ARCHITECT PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY. 21. ALL REQUIREMENTS OUTLINED IN SECTION 6.8.13 REGARDING LANDSCAPE MAINTENANCE SHALL LANDSCAPE AREA REQUIRED = 102 LF (60%) BE COMPLIED WITH BY THE OWNER AND/OR OTHER MAINTENANCE PROFESSIONALS. LANDSCAPE AREA PROVIDED = 134 LF (78%)22. ALL REQUIREMENTS OUTLINED IN SECTION 6.8.15 REGARDING LANDSCAPE INSTALLATION AND MAINTENANCE LICENSING AND CERTIFICATION SHALL BE COMPLIED WITH. FLORIDA-FRIENDLY MATERIAL CALCULATIONS SHADE TREE CALCULATIONS TOTAL PLANT MATERIAL USED = 3,455 FF MATERIAL REQUIRED = 1,728 (50%) = 40,075 SF (0.92 AC) TOTAL PROJECT AREA OPEN SPACE REQUIRED: FF MATERIAL PROVIDED = 3,455 (100%) SHADE TREES REQUIRED = 14 EXISTING TREES NEW TREES REQUIRED = 14 (3.5 CAL. MIN.) TOTAL PROJECT AREA = 40,075.2 SF (0.92 AC) REQUIRED OPEN SPACE = 40,075.2 X 0.20 = 8,015.04 SF NEW TREES PROVIDED = 16 ( 6 QV, 6 AF, 4 LI) TOTAL OPEN SPACE PROVIDED = 16,254.96 SF ORNAMENTAL TREES IN LIEU OF SHADE TREES SHALL BE 3:1 TOTAL LANDSCAPED OPEN SPACE PROVIDED = 8,332 SF MINIMUM ORNAMENTAL TREES DBH = 1.25" TYPE C - BUFFER CALCULATIONS TYPE 'C' BUFFER (15' WIDE) TOTAL LENGTH = 200 LF LESS DRIVEWAY = 176 LF SHADE TREES REQUIRED = (2/100 LF) PROVIDE 4 TREES SHADE TREES PROVIDED = 0.00 DUE TO POWER LINE, SEE 9 ORNAMENTAL TREES & 6 SABAL PALMS PROVIDED. ORNAMENTAL TREES REQUIRED = 5.25 (3/100 LF) PROVIDE 6 TREES ORNAMENTAL TREES PROVIDED = 6(12 LI)(6 CP)TOTAL BUFFER AREA = 2,640 SF (176 X 15) LANDSCAPE/PLANT MATERIAL AREA REQUIRED = 1,320 SF (50%) LANDSCAPE / PLANT MATERIAL AREA PROVIDED = 1,325 SF PLANT MATERIAL AREA PROVIDED = 12 LC, 62 VO, & 497 HD. \*NO BUFFER REQUIRED TO THE NORTH ,SOUTH, OR EAST (SIMILAR ZONING) LANDSCAPING TOTALS (VO) VIBURNUM - 100 PLANTS (NATIVE) SHRUBS SHALL PLANTED AT 3' ON CENTER OR AS APPROPRIATE TO THE (LC) CERISE CHARM - 81 PLANTS (NON NATIVE) TYPE OF SHRUB SPECIES. GROUND COVER GROWN TO 24" TALL SHALL (BS) BOXWOODS - 53 PLANTS (NATIVE) BE SPACED AT 2'-3'. (LI) CREPE MYRTLES - 12 PLANTS (NATIVE) (QV) LIVE OAK - 6 PLANTS (NATIVE) (AF) FLORIDA MAPLE - 6 PLANTS (NATIVE) (CP) SABAL PALMETTO - 8 PLANTS (NATIVE) \*ALL LANDSCAPE BEDS SHALL BE (SP) SOD - 4,179 S.F. MULCH USING NUGGET STYLE MULCH C) BLUE PACIFIC JUNIPER – 662 S.F. (221 PLANTS) (NON NATIVE) \*\*ALL DRAS SHALL BE SODDED SEE DRAINAGE PLANS (SG) SAND CORD GRASS - 382 S.F. (128 PLANTS) (NATIVE) (HD) BEACH SUN FLOWER - 400 S.F. (133 PLANTS) (NATIVE) (JM) ASIATIC JASMINE – 1,345 SF (897 PLANTS) (NON NATIVE) LANDSCAPE LEGEND : \_ \_ \_ \_ \_ \_\_\_\_\_ \_ \_ \_ \_ \_ \_\_\_\_\_ \_ \_ \_ \_ \_ \_ \_ \_ \_ CERISE CHARM BLUE PACIFIC (LOROPETALUM JUNIPER CREPE MYRTLE LIVE OAK FLORIDA MAPLE VIBURNUM BOXWOOD CHINENSE (JUNIPERUS (LAGERSTROEMIA) (QUERCUS VIRGINIANA) (ACER FLORIDANUM) (VIBURNUM OPULUS) (BUXUS) 'KUROBIJIN') CONFERTA) (LI) (QV) (AF) (V0) (BS) ASIATIC JASMINE BEACH SUN FLOWER COARSE BEACH SOD SABAL' PALMETTO SAND COARSE (TRACHELOSPERNUM (HELIANTHUS DEBILIS) SAND (PACEAE) (CHAMAEROPS PALMETTO) ASIATICUM MINIMA) GRASS (CP) MILES CHRISTIAN ANDERSON CONSULTING ENGINEERS, INC 1515 EAST SILVER SPRINGS BLVD. SUITE 132 (352) 629-5591 OCALA, FLORIDA 34470 FAX (352) 629-4402 LANDSCAPE PLAN HUDSON DEVELOPMENT MARION COUNTY, FLORIDA SEC 31, TWP 15, RGE 23 OCALA, FLORIDA COUNTY COMMENTS 7-24-24 6-25-24 DATE: 5-24-23 DESIGN: MCA PROJ. HUDSON DEV... COUNTY & FDOT COMMENTS SHEET

COUNTY COMMENTS

REVISION

6-12-24 SCALE:

DATE APPROVED:

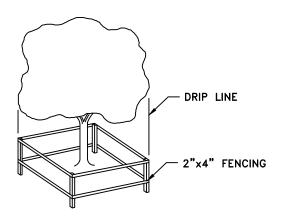
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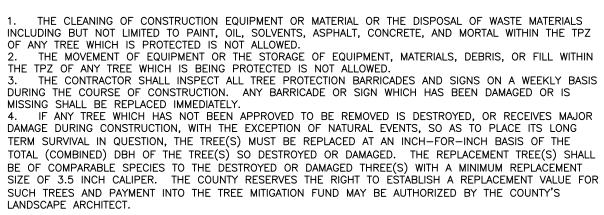
# LANDSCAPE PROTECTION:



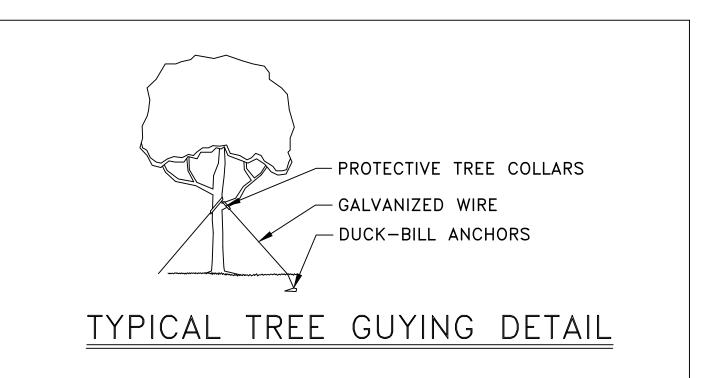
TYPICAL TREE PROTECTION AT TIME OF CONSTRUCTION APPROPRIATE PROTECTIVE MEASURES SHALL BE TAKEN TO PREVENT THE DESTRUCTION OR DAMAGE OF ALL TREES TO BE RETAINED ON THE SITE. NO PLACEMENT OF MATERIALS, MACHINERY, TEMPORARY SOIL DEPOSITS, OR ADDITIONAL FILL OR ASPHALT PAVEMENT FOR VEHICULAR CIRCULATION SHALL BE PLACED ANY CLOSER TO ANY TREE THAN THE DRIP LINE. NO ATTACHMENTS OF WIRES, EXCEPTING PROTECTIVE GUIDE WIRES, SHALL BE ATTACHED TO ANY TREE. NO CHANGE OF GRADE MORE OR LESS THAN 6 INCHES MAY BE MADE WITHIN THE DRIP LINE OF A TREE UNLESS SHOWN ON THE APPROVED SITE DEVELOPMENT PLAN. \*\*\*\* PLEASE USE EXTREME CARE & CAUTION WHEN WORKING IN THE AREAS SURROUNDING THE TREES TO BE SAVED. DO NOT ROOT RAKE. IF ROOT CUTTING IS NECESSARY, PLEASE CUT ROOTS SHARPLY AND COVER WITH 6 TO 12 INCHES TOPSOIL. NO WORK SHALL BE DONE WITHIN THE 2"x4" TREE PROTECTION FENCE LINE.

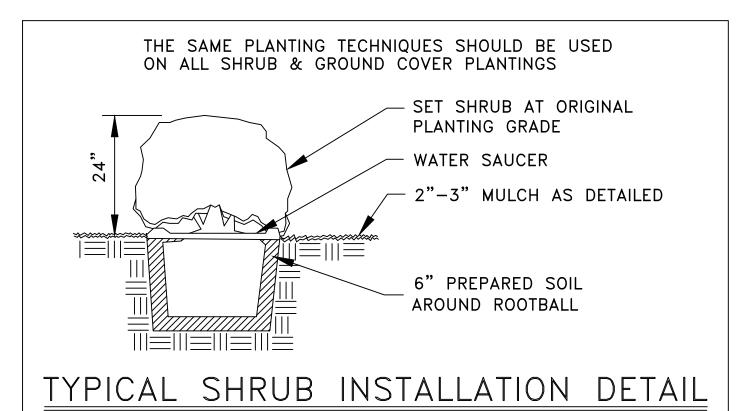
TREE PROTECTION DETAIL

TREE PROTECTION NOTES



# LANDSCAPE PLANTING DETAILS:





IRRIGATION NOTES

INSTALLATION PROFESSIONALS. NEIGHBORHOOD PROGRAM.

# IRRIGATION DETAILS & NOTES

1. THE OWNER SHALL BE RESPONSIBLE FOR IRRIGATING ALL NEW LANDSCAPE MATERIAL UNTIL ESTABLISHED. 2. ALL NEW IRRIGATION SHALL BE MICRO-SPRAY HEADS, DRIP-IRRIGATION, AND/OR BUBBLER HEADS.

3. A MINIMUM OF TWO (2) BUBBLER HEADS SHALL BE INSTALLED AT EACH NEW TREE PLANTING. IRRIGATION SHALL BE SET SO THERE IS NO OVERSPRAY ONTO ANY PAVED AREAS. THE OWNER SHALL BE RESPONSIBLE FOR WATERING THE SEEDED AREAS UNTIL ESTABLISHMENT.

"RAIN-CHECK" MONITOR SHALL BE INSTALLED ON ANY PERMANENT IRRIGATION SYSTEM. BACK-FLOW PREVENTION DEVICE SHALL BE INSTALLED AT THE CONNECTION OF ANY WELL OR METER. 8. UPON COMPLETION OF THE IRRIGATION SYSTEM INSTALLATION AND THE ACCEPTANCE OF THE AS-BUILT DIAGRAM AND OPERATIONAL INFORMATION, A FINAL INSPECTION AND

LANDSCAPE/IRRIGATION RELEASE SHALL BE SIGNED AND SEALED BY THE IRRIGATION DESIGN PROFESSIONAL AND SUBMITTED TO THE MARION COUNTY LANDSCAPE ARCHITECT. ALL REQUIREMENTS OUTLINED IN SECTION 6.9.6 SHALL BE COMPLIED WITH BY THE IRRIGATION

9. ALL REQUIREMENTS IN SECTION 6.9.8 REGARDING SYSTEM INSTALLATION, SCHEDULING, OPERATION, AND MAINTENANCE SHALL BE COMPLIED WITH. SYSTEM SHALL BE OPERATED AND MAINTAINED IN ACCORDANCE WITH FLORIDA-FRIENDLY BEST MANAGEMENT PRACTICES FOR PROTECTION OF WATER RESOURCES BY THE GREEN INDUSTRIES OF THE FLORIDA YARDS AND 10. ALL REQUIREMENTS OUTLINED IN SECTION 6.9.9 REGARDING THE IRRIGATION SCHEDULING SHALL BE COMPLIED WITH BY THE IRRIGATION INSTALLATION PROFESSIONALS. 11. ALL REQUIREMENTS OUTLINED IN SECTION 6.9.10 REGARDING LICENSING AND CERTIFICATION OF THE IRRIGATION INSTALLATION AND MAINTENANCE PROFESSIONALS SHALL BE COMPLIED WITH. 12. NOTES HAVE BEEN SHOWN REGARDING CLOSE-OUT REQUIREMENTS (6.9.6) WATERING

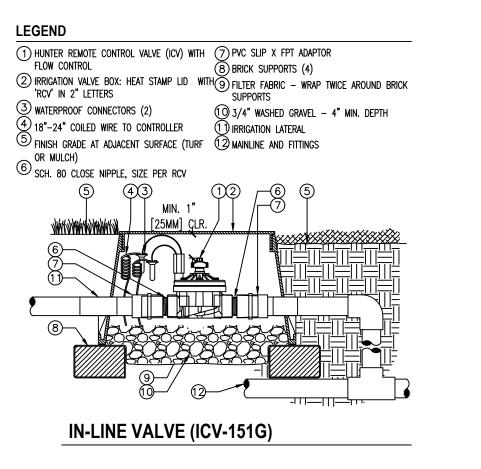
INSTALLATION (6.9.9) AND INSTALLATION LICENSING REQUIREMENTS (6.9.10). 13. BUBBLER'S FOR TREES SHALL BE STAKED IN THEIR PROPERTY LOCATIONS.

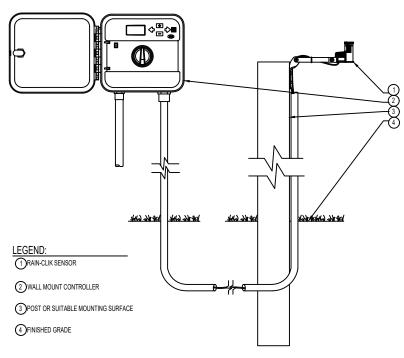
## LANDSCAPE/IRRIGATION PERMIT NOTES:

A PERMIT WILL BE ISSUED FROM MARION COUNTY BUILDING DIVISION PRIOR TO INSTALLATION OF IRRIGATION SYSTEMS. UPON COMPLETION OF THE LANDSCAPE AND/OR IRRIGATION INSTALLATION, THE CONTRACTOR SHALL REQUEST AN INSPECTION BY THE DESIGN PROFESSIONAL. PRIOR TO THE INSPECTION, THE CONTRACTOR MUST PROVIDE A CLEAR AND LEGIBLE AS-BUILT DIAGRAM OF THE IRRIGATION SYSTEM. A LANDSCAPE AND IRRIGATION AS-BUILT CERTIFICATION SHALL BE SIGNED AND SEALED BY THE DESIGN PROFESSIONAL AND SUBMITTED TO THE COUNTY LANDSCAPE ARCHITECT PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY. AS PER MARION COUNTY LAND DEVELOPMENT CODE SECTION 6.8.12 & 6.9.9

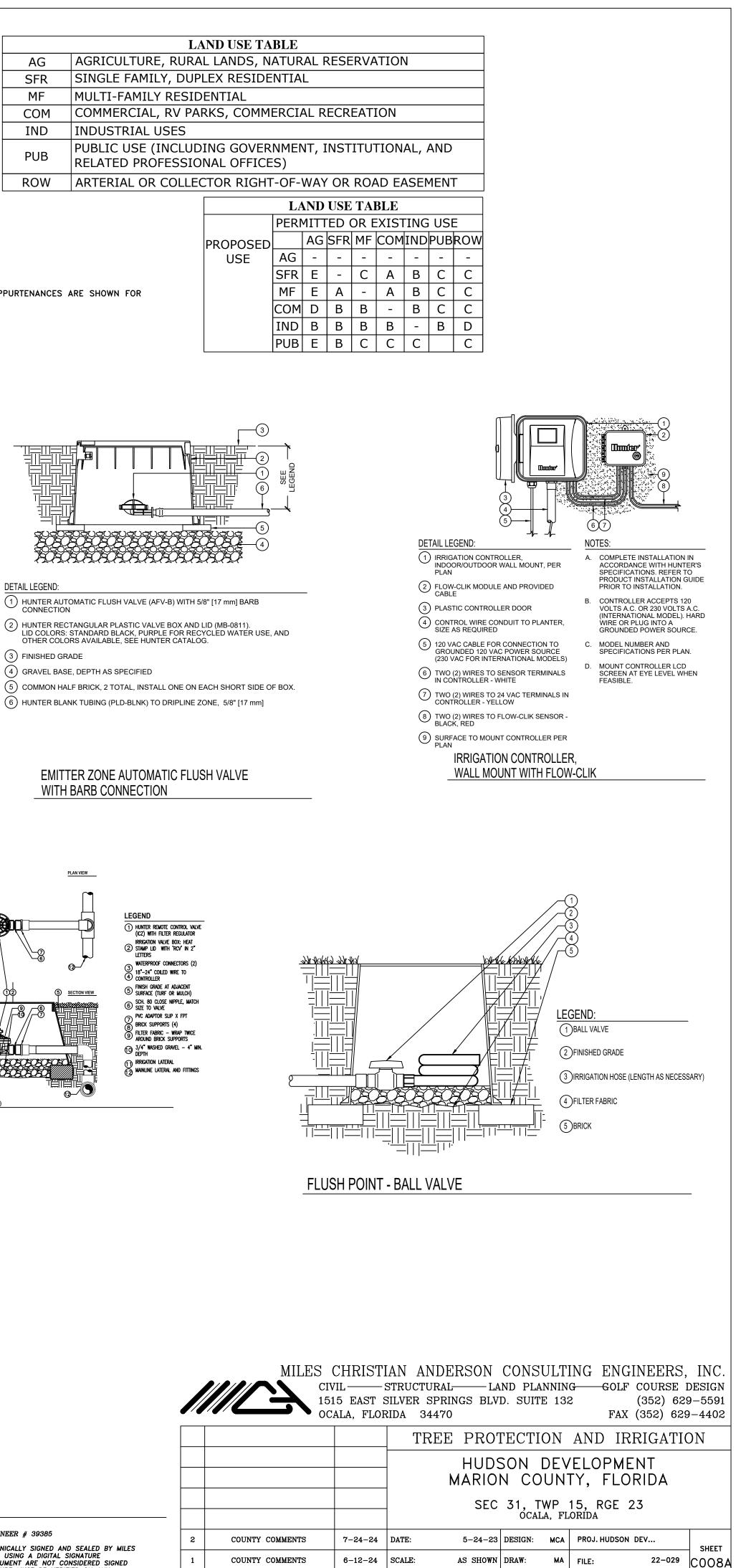
NOTE: CONTRACTOR RESPONSIBLE FOR HIS OWN TAKE-OFFS.

THE IRRIGATION PLAN IS DIAGRAMMATIC IN NATURE. LOCATIONS OF PIPING AND OTHER APPURTENANCES ARE SHOWN FOR CLARITY. FIELD CHANGES MAY BE REQUIRED TO ACHIEVE PROPER IRRIGATION COVERAGE. ALL PIPE SHALL BE LOCATED WITHIN PROPERTY BOUNDARIES.





RAIN-CLIK WITH GENERIC WALL MOUNT CONTROLLER



DRIP CONTROL ZONE KIT (ICZ-151)

# DETAIL LEGEND:

1) HUNTER AIR RELIEF VALVE

(2) HUNTER RECTANGULAR PLASTIC VALVE BOX AND LID (MB-0811). LID COLORS: STANDARD BLACK, PURPLE FOR RECYCLED WATER USE, AND OTHER COLORS AVAILABLE, SEE HUNTER CATALOG.

(3) FINISHED GRADE

(4) GRAVEL BASE, DEPTH AS SPECIFIED

(5) COMMON HALF BRICK, 2 TOTAL, INSTALL ONE ON EACH SHORT SIDE OF BOX.

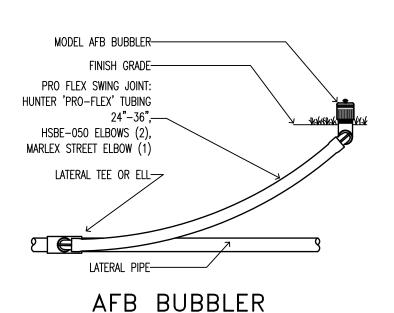
(6) 3/4" MPT X 1/2" FPT BUSHING

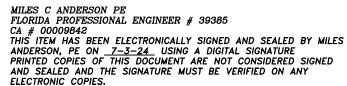
7 PLD-075-TBTEE FITTING

(8) PROFESSIONAL LANDSCAPE DRIPLINE

(9) FILTER FABRIC

AIR RELIEF VALVE - TUBING

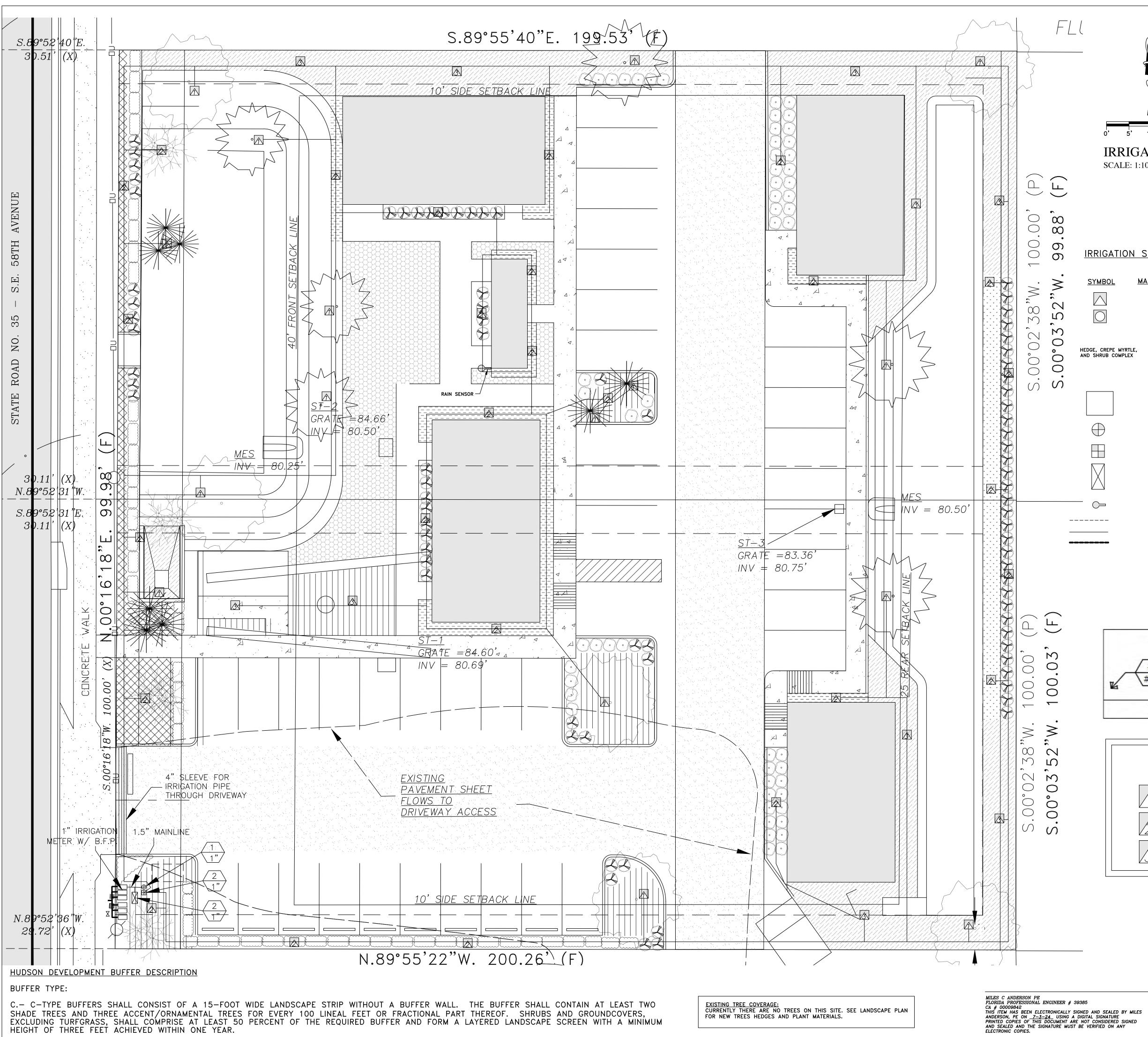


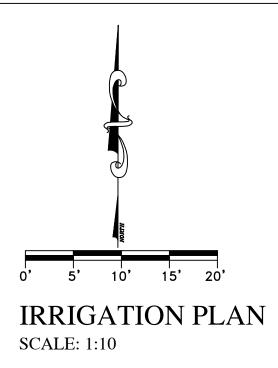


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6-12-24 SCALE: AS SHOWN DRAW: MA | FILE: DATE APPROVED:

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## IRRIGATION SCHEDULE

NTER PCB-50 (1 BUBBLER PER TREE)				
	TREE	15-70 GAL	1 @ 0.50 GPM	SIZED BY ARE
NTER PCZ-101 (DRIP CONTROLLER @ 2' O.C. )				
PLANTING AREA TO RECEIVE POINT SOURCE IRRIGATION				
NTER HE POINT SOURCE EMITTERS AT EACH PLANT: -10-B (BLACK; 1GPH) = 1 ASSIGNED TO EACH #1 PLANT -20-B (RED; 2GPH) = 1 ASSIGNED TO EACH #3 PLANT -20-B (RED; 2GPH) = 2 ASSIGNED TO EACH #7+ PLANT				
'ES: PIERCE BLANK TUBING WITH EMITTERS AT EACH PLAN'	T			
IRRIGATION METER, BACKFLOW PREVENTION PER COUNTY (	CODE			
ITER ICV-151 - 1 $\frac{1}{2}$ " ELECTRIC GLOBE VALVE W/ FLOW C	CONTROL			
ITER PCZ-101 DRIP CONTROLLER (FLOW 0.5-1.5 GPM) W/ ER SYSTEM. JUMBO VALVE BOX REQUIRED.	/			
ITER PRO-C MODULAR STATION CONTROLLER				
VED PCM MODULES AS REUQUIRED				
TER RAIN-CLIK SENSOR NT IN LOCATION WITH OPEN VIEW TO SKY.			VALVE STZING	
ATION MAINLINE: 1.5" PVC CLASS 200 SDR 21				
ATION LATERAL LINE: PVC CLASS 160 SDR 26 (NOT SHOW 40 IRRIGATION SLEEVE	WN, SIZE PER CHART)	PGV PRI Flow 1 GPM G 1 1 5 1	ESSURE LOSS IN PSI "1½" lobe Globe .1 .9	2" Globe
LVE CALLOUT       valve number       GPM ← valve flow (gpm)		15 1 20 3 30 9 35 1	.6 . <u>3</u> 3 .13 63	1 2 2 1 2 3 5 6 8 10
VALVE SIZE (INCHES)		10.00		
ZONE SCHEDULE			EMITTER SPAC	ING
				222
-TREE BUBBLER		20	169 235	295 346
		30	218 308	390 425
-DRIP ZONE		40	263 362	452
		45 50	288 401	
-IRRIGATION HEAD		(	LENGTH ON 0% SLO SEE MNFR'S SPECS	
MILES CHRISTIA	FRUCTURAL	-LAND PLAN	NING GOLF CO	DURSE DESIG
	LVER SPRINGS DA 34470		FAX (3	•
1515 EAST SI	DA 34470	IRRIGAT	fax (3 ION PLAN	52) 629–440
1515 EAST SI	DA 34470	IRRIGAT JDSON D	FAX (3	
	10-B (BLACK; 1GPH) = 1 ASSIGNED TO EACH #1 PLANT 20-B (RED; 2GPH) = 2 ASSIGNED TO EACH #3 PLANT 20-B (RED; 2GPH) = 2 ASSIGNED TO EACH #3 PLANT 20-B (RED; 2GPH) = 2 ASSIGNED TO EACH #7+ PLANT ERAL LINE TO EMITTERS = HUNTER BLANK TUBING PLD=B ES: PIERCE BLANK TUBING WITH EMITTERS AT EACH PLAN IRRIGATION METER, BACKFLOW PREVENTION PER COUNTY TER ICV=101 - 1" ELECTRIC GLOBE VALVE W/ FLOW CO TER ICV-151 - 1.4" ELECTRIC GLOBE VALVE W/ FLOW CO TER ICV-201 - 2" ELECTRIC GLOBE VALVE W/ FLOW CO TER PC2-101 DRIP CONTROLLER (FLOW 0.5-1.5 GPM) W, ER SYSTEM. JUMBO VALVE BOX REQUIRED. TER PRO-C MODULAR STATION CONTROLLER EL: PC OUTDOOR VED PCOM MODULES AS REUQUIRED TER RAIN-CLIK SENSOR NT IN LOCATION WITH OPEN VIEW TO SKY. ATION MAINLINE: 1.5" PVC CLASS 160 SDR 26 (NOT SHOW 40 IRRIGATION SLEEVE       EVE CALLOUT VALVE NUMBER GPM ← VALVE FLOW (GPM) VALVE SIZE (INCHES)      VALVE LOCATION SLEEVE      EVE CALLOUT VALVE SIZE (INCHES)      VALVE LOCATION SYMBOL	<ul> <li>10-B (BLACK; 10FH) = 1 ASSIGNED TO EACH #1 PLANT 20-B (RE); 20FH) = 1 ASSIGNED TO EACH #7 + PLANT 20-B (RE); 20FH) = 1 ASSIGNED TO EACH #7 + PLANT</li> <li>ERAL LINE TO EMITTERS = HUNTER BLANK TUBING PLO-BLINK 17mm ES: PIERCE BLANK TUBING WITH EMITTERS AT EACH PLANT</li> <li>IRRIGATION METER, BACKFLOW PREVENTION PER COUNTY CODE</li> <li>TER ICV-201 - 1" ELECTRIC GLOBE VALVE W/ FLOW CONTROL TER ICV-201 - 2" ELECTRIC GLOBE VALVE W/ FLOW CONTROL TER ICV-201 - 2" ELECTRIC GLOBE VALVE W/ FLOW CONTROL TER PC2-101 DRIP CONTROLLER (FLOW 0.5-1.5 GPM) W/ ES SYSTEM. JUMBO VALVE BOX REQUIRED.</li> <li>TER PRO-C MODULAS STATION CONTROLLER (E): PC OUTDOR VED PCM MODULES AS REUQUIRED</li> <li>TER RAIN-CLIK SENSOR VED PCM MODULES AS REUCHTEN VALVE RUMERER GPM VALVE RUMERER</li> <li>GPM VALVE RUM (GPM) VALVE SIZE (INCHES)</li> <li>VALVE LOCATION SYMBOL</li> </ul>	10-B GRUACK; 10PH) = 1 ASSIGNED TO EACH #1 PLANT 20-B GRD; 20PH) = 1 ASSIGNED TO EACH #3 PLANT 20-B (RED; 20PH) = 1	10-B (Ed) 267H) = 1 ASSIGNED TO EACH # J FLANT 20-B (KE) 267H) = 1 ASSIGNED TO EACH # J FLANT 20-B (KE) 267H) = 2 ASSIGNED TO EACH # J FLANT 20-B (KE) 267H) = 2 ASSIGNED TO EACH # J FLANT 20-B (KE) 267H) = 2 ASSIGNED TO EACH # J FLANT 20-B (KE) 267H) = 2 ASSIGNED TO EACH # J FLANT 20-B (KE) 267H) = 2 ASSIGNED TO EACH # J FLANT 20-B (KE) 267H) = 1 = 2 ASSIGNED TO EACH # J FLANT 20-B (KE) 267H) = 1 = 2 ASSIGNED TO EACH # J FLANT 20-B (KE) 267H) = 1 = 2 ASSIGNED TO EACH # J FLANT 20-B (KE) 267H) = 1 = 2 ASSIGNED TO EACH # J FLANT 20-B (KE) 267H) = 1 = 2 ASSIGNED TO EACH # J FLANT 20-B (KE) 267H) = 1 = 2 ASSIGNED TO EACH # J FLANT 20-B (KE) 267H (KE) 400 (KE) (KE) 400 (KE) (KE) 400 (KE)

6-12-24 SCALE: AS SHOWN DRAW: MCA CHECK: MCA FILEP: HUDSON DEV ... DATE APPROVED:

7-24-24 DATE:

COUNTY COMMENTS

COUNTY COMMENTS

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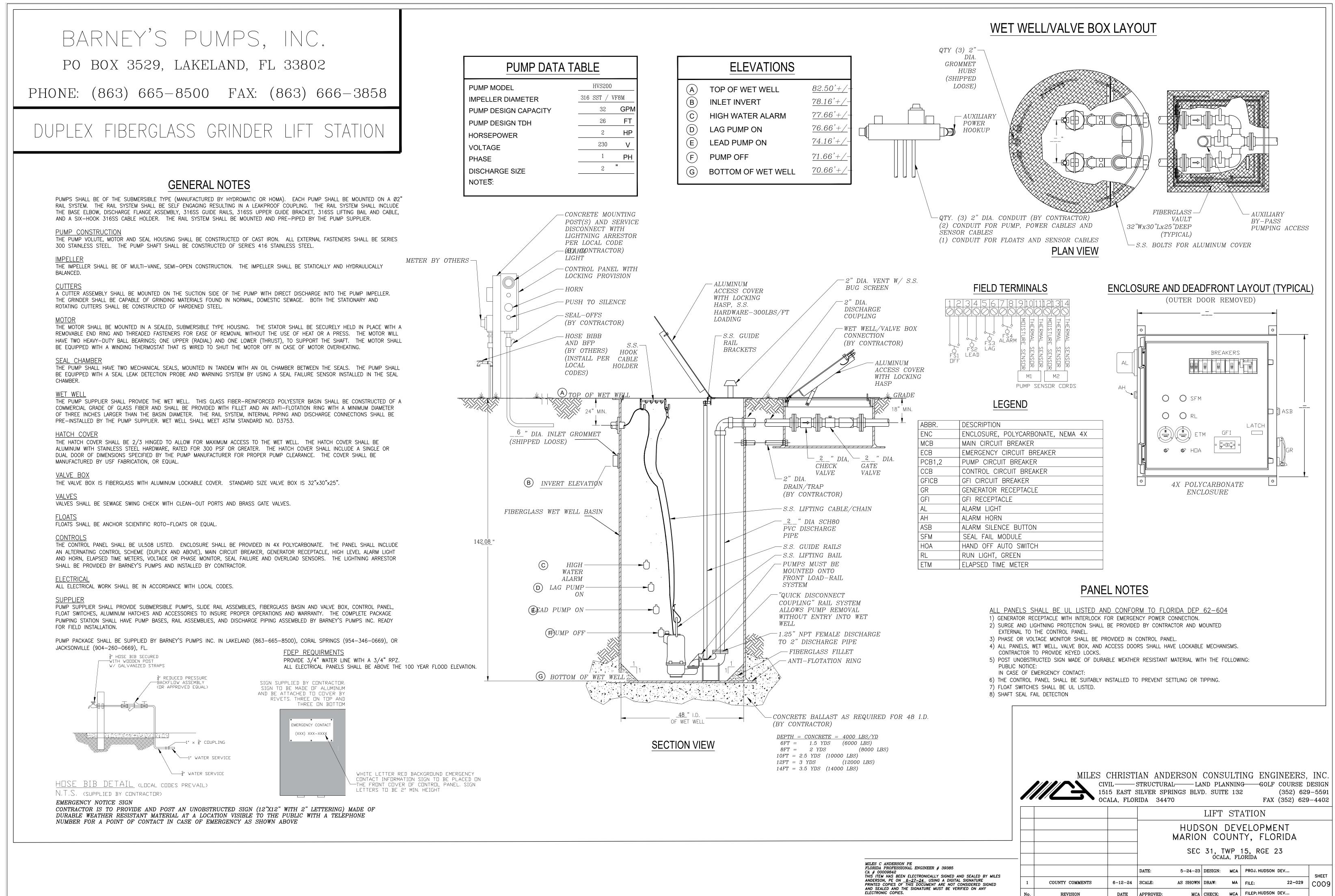
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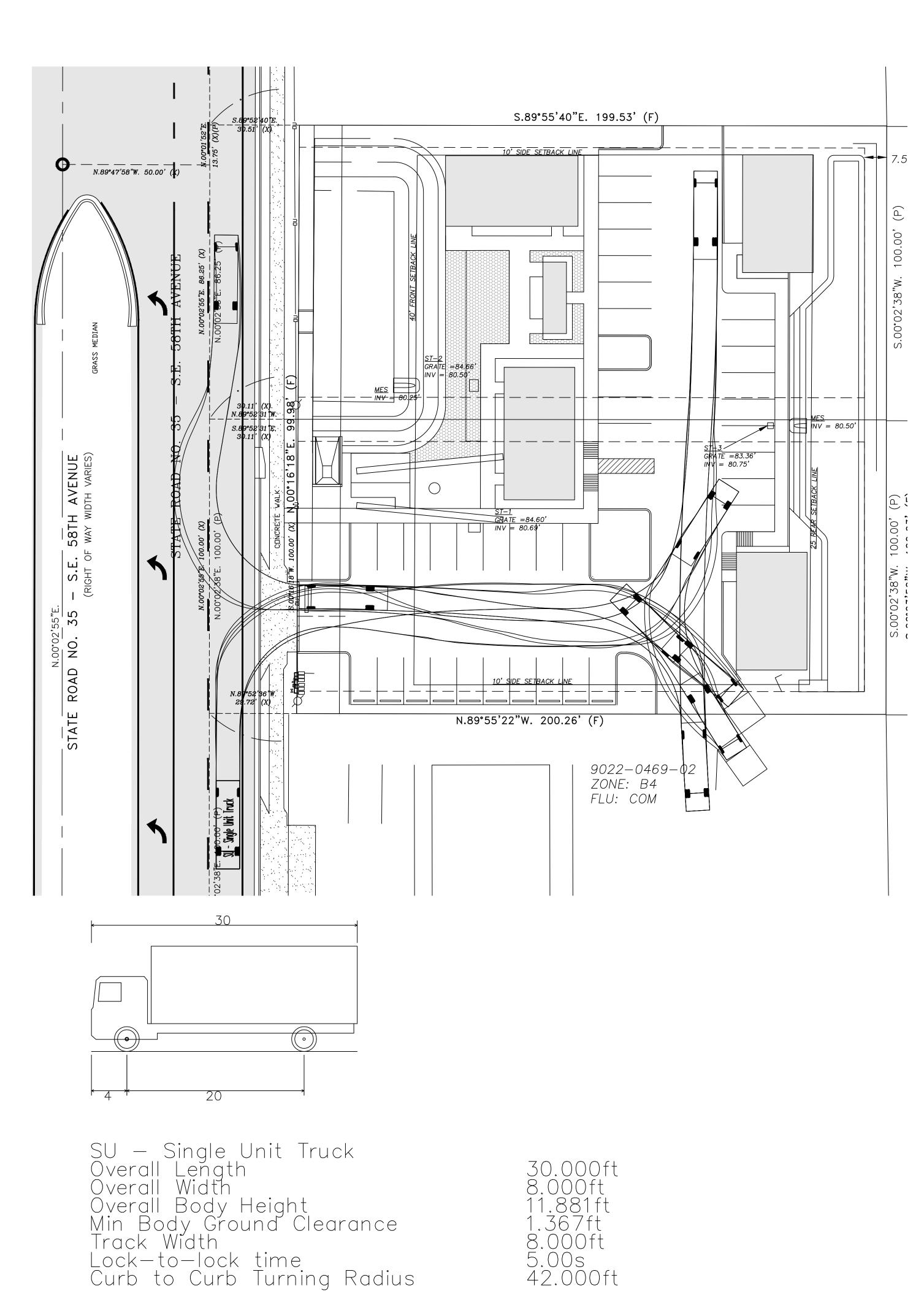
<sup>22–029</sup> C008B

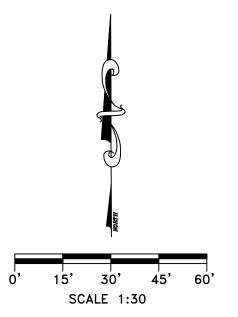


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REVISION





WHEEL TRACKING

PLAN

SCALE: 1:30

FDOT DRIVEWAY STATEMENT: IN THE EVENT THAT THE DRIVEWAY BECOMES OVERLY DAMAGED DURING CONSTRUCTION OF THE SITE WORK IT MAY BE NECESSARY TO HAVE THE DRIVEWAY REPLACED . THE DRIVEWAY PAVEMENT

FDOT SIDEWALK STATEMENT: CONTRACTOR SHALL ASSURE THAT THE SIDEWALK STAYS CLEAN AND FREE OF DEBRIS.

CONTRACTOR SHALL PERFORM SHOULDER WORK AS PER INDEX 102-602. IF IT BECOMES

SHALL BE 6" THICK AND CONSTRUCTED WITH 3,000 PSI CONCRETE. PER INDEX 522-003.

NECESSARY TO CLOSE OR REMOVE/REPAIR THE SIDEWALK USE INDEX 522-003, AND REPLACE THE SIDEWALK TO THE NEASREST CONSTRUCTION JOINT, USE INDEX 102-660 FOR PEDESTRIANS.

FDOT - DISTURBED SOD STATEMENT: CONTRACTOR SHALL SHALL RE-SODD/SEED DISTURBED AREAS TO SPECIFICATION 570 AND 981.

FDOT- UTILITIES IN THE R/W SHOULDER:



**CONNECTION SPACINGS** 

FDOT - DRIVEWAY

SCALE:1:100