October 24, 2024 PROJECT NAME: FREEDOM COMMONS SW 85TH STREET EXTENSION PROJECT NUMBER: 2024060063 APPLICATION: IMPROVEMENT PLAN #31709

- DEPARTMENT: ENGDRN STORMWATER REVIEW REVIEW ITEM: 6.13.2.B(8) - Calculation & Plan Consistency STATUS OF REVIEW: INFO REMARKS: This criteria to be reviewed with resubmittal.
- 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.
- 3 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.
- 4 DEPARTMENT: ENGIN DEVELOPMENT REVIEW
   REVIEW ITEM: 2.18.2.B Improvement Plan fee of \$1,200.00 + (\$10.00 x per lot)
   STATUS OF REVIEW: INFO
   REMARKS: 8/6/24-fee due with resubmittal
- 5 DEPARTMENT: ENGIN DEVELOPMENT REVIEW
   REVIEW ITEM: 2.12.4.K List of approved waivers, conditions, date of approval STATUS OF REVIEW: INFO
   REMARKS: 8/6/24-add waivers if requested in future
- 6 DEPARTMENT: ENGIN DEVELOPMENT REVIEW REVIEW ITEM: 2.18.2.G - Easement requirements of each utility shall be indicated by the utility on a copy of the Preliminary Plat or by letter. (Letters/emails of easement acceptance due with improvement plan.) STATUS OF REVIEW: INFO REMARKS:
- 7 DEPARTMENT: ENGIN DEVELOPMENT REVIEW REVIEW ITEM: 2.19.4.C - No Final Plat shall be accepted for filing by the Clerk of the Circuit Court until...an MSBU, CDD, or other special district for the purposes of maintaining the improvements for this plat has been established STATUS OF REVIEW: INFO REMARKS:
- 8 DEPARTMENT: ENGIN DEVELOPMENT REVIEW REVIEW ITEM: 6.3.1.F(1) - A copy of the documents demonstrating the establishment of a corresponding MSBU, CDD, or other State recognized special district responsible for the maintenance and operation of the dedicated improvements STATUS OF REVIEW: INFO REMARKS:

- 9 DEPARTMENT: ENGIN DEVELOPMENT REVIEW REVIEW ITEM: 6.12.9.F - Public dedications shall be pre-approved by DRC. If an MSBU is established as the maintenance and operation entity, roads and stormwater facilities can be platted as public STATUS OF REVIEW: INFO REMARKS:
- 10 DEPARTMENT: ENGIN DEVELOPMENT REVIEW REVIEW ITEM: Additional Development Review Comments STATUS OF REVIEW: INFO REMARKS: Establishment of an MSBU is required prior to final plat approval. Contact the MSTU Department at (352)438-2650 to create an MSBU or obtain a waiver from BCC via DRC.
- 11 DEPARTMENT: DOH ENVIRONMENTAL HEALTH REVIEW ITEM: Additional Health comments STATUS OF REVIEW: INFO REMARKS: N/A
- 12 DEPARTMENT: ZONE ZONING DEPARTMENT REVIEW ITEM: 2.12.16 - Modified environmental assessment or exemption if information is available to the county to indicate no habitat or existence of endangered species or vegetation. Check aerials, LANDSAT map in planning and Natural areas inventory to verify. STATUS OF REVIEW: INFO REMARKS: According to the Environmental Assessment, potential burrows are spotted. Please follow the recommendations of your environmental consultants and FWC.
- 13 DEPARTMENT: ZONE ZONING DEPARTMENT REVIEW ITEM: Additional Zoning comments STATUS OF REVIEW: INFO REMARKS: Staff understands the improvement plan is for a road extension. No land use and no zoning on the affected area. Thus, defer to OCE.
- 14 DEPARTMENT: LSCAPE LANDSCAPE DESIGN AND IRRIGATION REVIEW ITEM: Additional Landscape comments STATUS OF REVIEW: INFO REMARKS:
- 15 DEPARTMENT: ENRAA ACQ AGENT ENG ROW REVIEW ITEM: Improvement Plan STATUS OF REVIEW: INFO REMARKS: Verified owner with Sunbiz and checked project list. HR 8.6.24 IF APPLICAB LE: Sec. 2.18.2.I Show connections to other phases. Sec. 2.19.2.H. Legal documents such as Declaration of Covenants and Restrictions, By-Laws, Articles of Incorporation, ordinances, resolutions, etc.

Required Right of Way Dedication (select as appropriate)

Sec. 6.3.1.D.(1)(b)1. For Public Streets. "[All streets and right of way shown on this plat or name specifically if less than all] are hereby dedicated for the use and benefit of the public."

Sec. 6.3.1.D.(1)(b)2. For Non-Public Streets. "[All streets and right of way shown on this plat or name specifically if less than all] are hereby dedicated privately to the [entity name]. All public authorities and their personnel providing services to the subdivision are granted an easement for access. The Board of County Commissioners of Marion County, Florida, shall have no responsibility, duty, or liability whatsoever regarding such streets. Marion County is granted an easement for emergency maintenance in the event of a

local, state, or federal state of emergency wherein the declaration includes this subdivision or an emergency wherein the health, safety, or welfare of the public is deemed to be at risk."

Sec. 6.3.1.D.(1)(b)3. For Cross Access Easements. "All parallel access easements shown on this plat are hereby dedicated for the use and benefit of the public, and maintenance of said easements is the responsibility of [entity name]."

Sec. 6.3.1.D.(1)(c)1.2. Utility Easements, select as appropriate:

1."[All utility easements shown or noted or name specifically if less than all] are dedicated [private or to the public] for the construction, installation, maintenance, and operation of utilities by any utility provider." 2."[All utility tracts or identify each tract as appropriate] as shown are dedicated [private or to the public] for the construction and maintenance of such facilities."

Sec. 6.3.1.D.(1)(d)1.2.3. Stormwater easements and facilities, select as appropriate:

1."[All stormwater and drainage easements as shown or noted or name specifically if less than all] are dedicated [private or to the public] for the construction and maintenance of such facilities."

2."[All stormwater management tracts or identify each tract as appropriate] as shown are dedicated [private or to the public] for the construction and maintenance of such facilities."

3. When any stormwater easement and/or management tract is not dedicated to the public or Marion County directly, the following statement shall be added to the dedicated language: "Marion County is granted the right to perform emergency maintenance on the [stormwater easement and/or management tract, complete accordingly] in the event of a local, state, or federal state of emergency wherein the declaration includes this subdivision or an emergency wherein the health, safety, or welfare of the public is deemed to be at risk." Sec. 6.3.1.D.(1)(f). If a Conservation Easement is required the following shall be provided: "A conservation easement [as shown or on tract and identify the tract, complete accordingly] is dedicated to [the Board of County Commissioners of Marion County, Florida or entity name, if not Marion County] for the purpose of preservation of [listed species, habitat, Karst feature and/or native vegetation, complete accordingly]."

# 16 DEPARTMENT: ENGDRN - STORMWATER REVIEW

**REVIEW ITEM: 2.12.8 - Topographical Contours** 

STATUS OF REVIEW: NO

REMARKS: (1) LDC requires that the survey have been performed in the last 12 months. (2) LDC requires that one-foot contours extend 100 feet beyond the project boundary.

17 DEPARTMENT: ENGDRN - STORMWATER REVIEW

REVIEW ITEM: 2.12.9/10 - Proposed Drainage Right-of-Way/Easements STATUS OF REVIEW: NO

REMARKS: (1) The applicant proposes to construct a new roadway within County owned ROW. Please present an executed agreement authorizing this work. (2) There is a proposed drainage conveyance system conveying runoff to both private and County owned DRAs. Please submit executed agreements that authorize these discharges. (3) The proposed drainage conveyance systems cross private property to reach DRAs. Please submit either existing easements or proposed easement documents to allow for construction, access, and maintenance of the proposed infrastructure.

18 DEPARTMENT: ENGDRN - STORMWATER REVIEW REVIEW ITEM: 2.12.13/14/15 - General Exhibits STATUS OF REVIEW: NO REMARKS: The project location indicated on the submitted maps do not appear to delineate the project area correctly. Please revise and resubmit all required maps.

19 DEPARTMENT: ENGDRN - STORMWATER REVIEW REVIEW ITEM: 2.12.20 - Stormwater Infrastructure Supports Phasing STATUS OF REVIEW: NO REMARKS: Please confirm that the DRAs with necessary compacity required by this design will be constructed by the time this proposed roadway is constructed.

- 20 DEPARTMENT: ENGDRN STORMWATER REVIEW
   REVIEW ITEM: 6.13.7 Geotechnical Criteria
   STATUS OF REVIEW: NO
   REMARKS: Please add the soil boring locations to the planset on the Master Drainage Plan.
- 21 DEPARTMENT: ENGDRN STORMWATER REVIEW REVIEW ITEM: 6.13.4 - Stormwater Quantity Criteria STATUS OF REVIEW: NO REMARKS: See comment under "6.13.2.B(4) - Hydrologic Analysis"
- 22 DEPARTMENT: ENGDRN STORMWATER REVIEW REVIEW ITEM: 6.13.2.B(4) - Hydrologic Analysis STATUS OF REVIEW: NO

REMARKS: (1) The County DRA permitted under ERP 44002456.001 was designed with multiple cells. The portion of the pond that will receive flow from this project was designed for a specific treatment volume. Please review the original County design and provide calculations demonstrating the volume reduction alluded to in the written report. (2) If Freedom Commons Phase 5 DRA 11 remains in the location shown on the master plan, staff will require the existing County pond to be analyzed for percolation impacts as part of the Phase 5 analysis. It may make sense to analyze this pond now to ensure proper functionality of the County's DRA incorporating all the changes that are proposed. If this approach is taken please update the open space land use on the east and north sides of the County's DRA to reflect a residential land use rather than open space. (3) Upon review of the soil borings against the DRA bottom elevations, it appears that the pond bottoms for DRA DB-8 and DB-9 are intersecting the clayey soil strata. Can the engineer confirm that the ponds have been/ or will be constructed with methods that prevent the disturbance and compaction of these clayey materials? If these materials are compacted the vertical percolation rates can become compromised and severely impact pond performance. Additionally, most of the vertical percolation rates used in the analysis were calculated from the field horizontal tests performed, rather than from vertical field tests. Engineer may want to get additional percolation tests in the as-built ponds to confirm that assumed values are within field tested rates.

- 23 DEPARTMENT: ENGDRN STORMWATER REVIEW REVIEW ITEM: 6.13.4.C - Discharge Conditions STATUS OF REVIEW: NO REMARKS: See comment under "6.13.2.B(4) - Hydrologic Analysis"
- 24 DEPARTMENT: ENGDRN STORMWATER REVIEW REVIEW ITEM: 6.13.2.B(6) - Freeboard STATUS OF REVIEW: NO REMARKS: See comment under "6.13.2.B(4) - Hydrologic Analysis"
- 25 DEPARTMENT: ENGDRN STORMWATER REVIEW REVIEW ITEM: 6.13.4.D - Recovery Analysis
   STATUS OF REVIEW: NO REMARKS: See comment under "6.13.2.B(4) - Hydrologic Analysis"

26 DEPARTMENT: ENGDRN - STORMWATER REVIEW REVIEW ITEM: 6.13.2.B(5) - Hydraulic Analysis STATUS OF REVIEW: NO REMARKS: (1) Please clarify how the tailwater condition for County's existing pond was generated. (2) Please clarify which LDC methodology was used for calculating the tailwater condition for the DRA DB-09. Per the ICPR outputs, peak inflow appears to take place at a pond stage of 68.02. (3) Please provide conveyance system calculations for the conveyance system draining to DRA DB-08. (4) Please provide a culvert calculation for the driveway culvert at STA 86+75 (RT) to confirm there is sufficient capacity to convey the proposed runoff from the new paved roadway.

- 27 DEPARTMENT: ENGDRN STORMWATER REVIEW
   REVIEW ITEM: 6.13.8.B(3) Lane Spread Calculations
   STATUS OF REVIEW: NO
   REMARKS: Please provide a gutter spread calculation for the valley gutter being installed at the entrance to the Ocala Crossings subdivision and the SW 82nd Place Road connections.
- 28 DEPARTMENT: ENGDRN STORMWATER REVIEW
   REVIEW ITEM: 7.1.3 Drainage Construction Specifications
   STATUS OF REVIEW: NO
   REMARKS: If this project will be turned over to the County after construction is complete, the only acceptable pipe material is RCP and Paving and Drainage Note #6 needs to be removed from the planset.
- 29 DEPARTMENT: ENGDRN STORMWATER REVIEW REVIEW ITEM: 6.13.12 - Operation and Maintenance STATUS OF REVIEW: NO

REMARKS: Please provide an O&M manual detailing the steps for operating and maintaining the proposed system of inlets, drains and DRAs. An owner's certification is required on the O&M manual. Certification to state "I hereby certify that I, my successor, and assigns shall perpetually operate and maintain the stormwater management and associated elements in accordance with the specifications shown herein and on the approved plan." The individual signing the certification needs to be an agent or member of the entity that will own and maintain the stormwater system, or an authorized signatory of that entity. If signatory is not an agent or member, a letter authorizing a different individual needs to be submitted with the signed documents. The authorization letter must be signed by and agent/officer of owner. Please have the person signing also print their name for verification. Sunbiz will be used to verify agents and/or officers. Please contact reviewer if you need examples of O&M manuals accepted in the past.

30 DEPARTMENT: ENGDRN - STORMWATER REVIEW

REVIEW ITEM: Please provide a final signed and sealed hard copy signature page with references to the stormwater analysis or final hard copy of the full stormwater analysis. STATUS OF REVIEW: NO REMARKS: After all stormwater comments are resolved, please upload a digitally signed and sealed report. A hard copy signed and sealed report can be submitted if desired.

- 31 DEPARTMENT: ENGDRN STORMWATER REVIEW REVIEW ITEM: Additional Stormwater comments STATUS OF REVIEW: NO REMARKS: (1) Please submit a copy of the DRA ownership/maintenance agreement(s) and/or easement agreement(s) for staff review. (2) If you have questions or would like to discuss the stormwater review comments, please contact Kevin Vickers, PE at 352-671-8695 or kevin.vickers@marionfl.org.
- 32 DEPARTMENT: ENGTRF TRAFFIC REVIEW REVIEW ITEM: 2.18.2.L - Road classification STATUS OF REVIEW: NO REMARKS: 8/16/24 - Roads shown are inconsistent with proposed "local subdivision... private" classification status indicated by Cover Sheet.

- 33 DEPARTMENT: ENGTRF TRAFFIC REVIEW REVIEW ITEM: 6.11.6 - Construction route STATUS OF REVIEW: NO REMARKS: 8/16/24 - 1) Show plan for construction access and route to nearest Collector or Arterial road.
  2) Specify road access continuity plan for parcel SW adjacent of intersection of SW 85th St and SW 40th Ave.
- 34 DEPARTMENT: ENGTRF TRAFFIC REVIEW
   REVIEW ITEM: 6.12.5 Cross sections
   STATUS OF REVIEW: NO
   REMARKS: 8/16/24 Include cross sections at 100 ft. intervals with specified level of detail.
- 35 DEPARTMENT: ENGTRF TRAFFIC REVIEW
   REVIEW ITEM: 6.12.12 Sidewalks
   STATUS OF REVIEW: NO
   REMARKS: 8/16/24 Show multi-modal path on Plan and Profile sheets.
- 36 DEPARTMENT: LSCAPE LANDSCAPE DESIGN AND IRRIGATION REVIEW ITEM: 2.12.18 - All trees 10" DBH and larger STATUS OF REVIEW: NO REMARKS: Show and label all existing trees
- 37 DEPARTMENT: LSCAPE LANDSCAPE DESIGN AND IRRIGATION REVIEW ITEM: 6.7.3 - Tree protection
   STATUS OF REVIEW: NO REMARKS: Show tree protection on plan and in detail
- 38 DEPARTMENT: LSCAPE LANDSCAPE DESIGN AND IRRIGATION REVIEW ITEM: 6.7.6 - Tree removal submittal requirements STATUS OF REVIEW: NO REMARKS: Show trees to be removed
- 39 DEPARTMENT: LSCAPE LANDSCAPE DESIGN AND IRRIGATION REVIEW ITEM: 6.7.8 - Protected tree replacement requirements STATUS OF REVIEW: NO REMARKS: Provide tree mitigation calculations
- 40 DEPARTMENT: LSCAPE LANDSCAPE DESIGN AND IRRIGATION REVIEW ITEM: 6.7.9 - Replacement trees; general requirements STATUS OF REVIEW: NO REMARKS: Show replacement trees in plant schedule
- 41 DEPARTMENT: LSCAPE LANDSCAPE DESIGN AND IRRIGATION REVIEW ITEM: 6.9.2 - Irrigation plan requirements (details, legend, notes) STATUS OF REVIEW: NO REMARKS: Show irrigation of replacement trees if applicable



# Marion County Board of County Commissioners

Office of the County Engineer

AR 31709

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

# DEVELOPMENT REVIEW COMMITTEE WAIVER REQUEST FORM

Date: 10/22/2024 Parcel Number(s): N/A Permit Number: AR#31709

# A. PROJECT INFORMATION: Fill in below as applicable:

Project 1	Name: Freedom C	Commer	cial	Residential		
Subdivis	sion Name (if app	licable):				
Unit	Block	Lot	Tract			

**B. PROPERTY OWNER'S AUTHORIZATION:** The property owner's signature authorizes the applicant to act on the owner's behalf for this waiver request. The signature may be obtained by email, fax, scan, a letter from the property owner, or original signature below.

Name (print): Freedom Commons Development, LLC c/o Chris Armstrong

Signature:									
Mailing Address:	1415 SW 17th Street		City: Ocala						
State: FL	Zip Code: 34471	Phone # (352) 624-0120							
Email address: chris@armstronghomes.net									

C. APPLICANT INFORMATION: The applicant will be the point of contact during this waiver process and will receive all correspondence.

Firm Name (if applicable): Tillman & Associates Engineering, LLC	Contact Name: Timothy C. Brooker, P.E.						
Mailing Address: 1720 SE 16th Ave., Bldg 100	City: Ocala						
State: FL Zip Code: 34471 Phone # (352) 387-45	640						
Email address: permits@tillmaneng.com							

# **D. WAIVER INFORMATION:**

Section & Title of Code (be specific):

2.12.8 - Topographical Contours

Reason/Justification for Request (be specific): Request to use current survey. The survey accurately reflects the site and construction is active around the site.

 DEVELOPMENT REVIEW USE:

 Received ByEmail 10/22/24
 Date Processed: 10/24/24 BM
 Project # 2024060063
 AR # 31709

ZONING USE:	Parcel of rec	ord: Yes 🗆 No 🗆	Eligi	ible to apply for Family Division: Yes 🛛 No 🗆
Zoned:	ESOZ:	P.O.M	Land Use:	Plat Vacation Required: Yes 🗆 No 🗆
Date Reviewed:		Verified by (print	& initial):	

Empowering Marion for Success

# PERMITS:

MARION COUNTY IMPROVEMENT PLA 8.W.F.W.M.D. - E.R.P. - PENDING FDEP - POTABLE WATER - PENDING FDEP - SANITARY SEWER - PENDING FDEP - NPDES (By Others)

REQUESTED WAIVERS:

## NOTES:

BASED ON THE FEDERAL EMERGENCY MANAGEMENT ANGENCY'S FLOOD INSURANCE RATE MAP (FIRM), COMMUNITY PANEL NO. 1288/S07028, EFFECTIVE DATE OF APRIL 19, 2017. THE PROPERTY DESCRIBED HEREON LIES WITHIN FLOOD ZONES "X", X-2%" AND ZONE "X" AN AREA WITHIN THE 101 YEAR FLOOD HAZARD AREA. THIS PROJECT IS LOCATED IN THE SILVER SPRINGS SECONDARY SPRINGS PROTECTION ZONE.

- ALL UTILITIES UNDER EXISTING OR PROPOSED PAVEMENT SHALL BE SLEEVED IN ACCORDANCE WITH SECTION B.2.6A OF THE MARION COUNTY LAND DEVELOPMENT CODE.
- SIGHT DISTANCE AT DRIVEWAYS COMPLIES WITH FDOT REQUIREMENTS.
- VERTICAL DATUM IS BASED ON NATIONAL GEODETIC SURVEY BENCHMARK DESIGNATION U 427, ELEVATION 59.81' (NAVE
- DESIGN SPEED = 35 M.P.H. TO BE POSTED AT 35 M.P.H. EXCEPT FOR CURVES WITH RADII LESS THAN 100.
- THIS PROPOSED PROJECT HAS NOT BEEN GRAVED CONCURENCY APPROVALAND/OR GRAVIED AND/OR RESERVED ANY PUBLIC APACITIES FUTURE BIGHTS TO DEVELOP THE PROPERTY ARE SUBJECT TO A DEFERRED CONCURENCY DETEMINATION, AND FINAL APPROVAL TO DEVELOP THE PROPERTY HAS OF BIGHTS TO A DEFERRED CONCURENCY ONCURENCY BRUIN WANDOR APPROVAL HAS BEEN DEFERRED AFTA DETARD THE OWNER STAGES, SUCH AS, BUT NOT LIMITED TO DEVELOP THE PROPERTY DESCRIPTION OF MORE AND APPROVAL AND APPROVAL AND APPROVAL AND APPROVAL AND APPROVAL AND APPROVAL HAS BUT NOT LIMITED TO DEVICE THE PROPERTY DESCRIPTION OF MORE AND APPROVAL APPROVAL AND APPROVAL APPROVAL AND APPROVAL APPROV
- ALL PROPOSED ROADS ARE TO BE LOCAL SUBDIVISION WITH PRIVATE ROAD STATUS. NO CHANGE TO THE WORK AS SHOWN ON THE APPROVED PLANS SHALL BE MADE WITHOUT NOTIFICATION TO AND APPROVAL BY THE OFFICE OF THE COUNTY ENGINEER.
- ORIENTATION FOR THE IMPROVEMENTS SHOWN HEREON SHOULD NOT BE USED TO RECONSTRUCT BOUNDARY UNES

### BASIS OF BEARING:

BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NORTH AMER DATUM OF 1980 (NAD 84), WITH 2011 ADJUSTMENT AS DERIVED FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION VIRTUAL REFERENCE STATION NETWORK

#### BENCHMARKS:

TEMPORARY RENCHMARK (100)) FOUND NAIL & DISC (I. R 6707) N 1738669 7520 E 625782 0160 ELEV. 71 27: (NAVD 1988) TEMPORARY RENCHMARK-FOUND 4" v 4" CONCRETE MONUMENT (FDOT) N 1778346 3110 F 678497 0010 FLEV 69 91' NARD 1988

#### LEGAL DESCRIPTION

OWNER/DEVELOPER: FREEDOM COMMONS DEVELOPMENT, LLC CONTACT: FRED C. ARMSTRONG

SURVEYOR: JCH CONSULTING GROUP, INC. CONTACT: CHRISTOPHER J. HOWSON, P.S.M., CFM 426 S.W. 15th ST. OCALA, FLORIDA 34471

1415 SW 17th STREET

PHONE (352) 624-0120

PHONE: (352) 405-1482

OCALA FL 34471

OF THE NY 14 AND A DEFINITION OF THE 3 W 14 OF THE NE 14 AND A SERVICE OF THE VIET 10 OF THE 51 40 DEFINITION OF THE SECOND SECO 

FREEDOM COMMONS SW 85th STREET EXTENSION

**IMPROVEMENT PLANS** 

SECTION 15, TOWNSHIP 16, RANGE 21 MARION COUNTY, FLORIDA

> <u>THIS SITE CONTAINS:</u> PROPOSED ROADWAY RIGHT-OF-WAY = 80 FT (1543.3') & 50 FT (303.2') TOTAL RIGHT-OF-WAY AREA = 3.18 ac (138,539.8 sf) TOTAL PROJECT AREA = 3.28 ac (142,701.3 sf) PROPOSED IMPERVIOUS AREA = 1.18 ac (51,532.3 st) FUTURE IMPERVIOUS AREA = 0.00 ac (50,007 st) ROADWAY LENGTH = 0.35 mi (1,855 LF) ROADWAY CLASSIFICATION: MINOR LOCAL LAND USE: N/A ZONING: N/A



VICINITY MAP 1" = 1000'

	<form><form></form></form>	Difference of the second secon
123,307,4000 123,309,907,12 300,779,3404 303,773,4404 303,773,4404 303,773,4404	COUNTY ENGINEER'S SIGNATURE IHEAREN CENTEY THAT I, MY SUCCESSORS, AND ASSIEVES SHALL PERFETUALLY MAINTAIN THE IMPROVEMENTS AS SHOWN ON THE FLAX. THATY STRATE, P.E. MARION COUNTY ENGINEER	sht. <u>01.01</u>

NOT VALID UNLESS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER



که منطق جامع

01.01	COVER SHEET
02.01	GENERAL NOTES
03.01	AERIAL PHOTOGRAPH
04.01	TYPICAL ROADWAY SECTIONS
05.01	HORIZONTAL CONTROL PLAN
06.01	MASTER DRAINAGE PLAN
07.01 - 07.02	PLAN & PROFILES
08.01	SIGNAGE & STRIPING PLAN
09.01	ROADWAY & PAVEMENT DETAIL
10.01	DRAINAGE DETAILS
11.01 - 11.02	EROSION CONTROL PLAN & DETAILS
SL.01	SLEEVING PLAN
1 - 8	BOUNDARY & TOPOGRAPHIC SURVEY
	(PREPARED BY JCH CONSULTING GROUP INC.)

all 48 Hou pefore vou d

It's the Low

1-800-432-4770

એ

Tillman

GEOTECHNICAL CONSULTANT: GEO - TECH, INC CONTACT: CRAIG HAMPY 1016 S.E. 3RD AVENUE OCALA FLORIDA 34471 PHONE (352) 694-7711

CIVIL ENGINEER: TILLMAN AND ASSOCIATES ENGINEERING, LLC CONTACT: CONTACT: TIMOTHY BROOKER, JR., P.E. 1720 S.E. Ióth AVE., BLDG. 100 OCALA, FLORIDA 34471 PHONE: (352) 387-4540

UTILITY COMPANIES: SUMTER ELECTR CHARTER COMM. CENTURYLINK

JER SERVICE 24/7/36

#### ENERAL NOTES

# THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF SIZE AND LOCATION OF ALL EXISTING UTLITIES AND RELATED CONSTRUCTION PRIOR TO COMMENCEMENT ON WORK CONTRACTOR SHALL CONTRACT SUNSHINE STATE ONE CALL OF FLORIDA, INC. AT 3 406 0143 \* 701, IN ACCENDANCE WITH ON-PETER 50, FLORIDA STATUTES

- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE LATEST STANDARDS OF MARION COUNTY AND FOC
- PAVEMENT STRIPING TO BE IN ACCORDANCE WITH MARION COUNTY SPECIFIC TRAFFIC STANDARDS, INDEX 17346.
- ALL TRAFFIC CONTROL SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. WHERE MUCK OR OTHER ORGANC MATERIAL IS FOUND, IT SHALL BE REMOVED AND REPLACED BY GOOD QUALITY BACKFILL MATERIAL DITAINED FROM THE GRADING OPERATIONS OR OTHER SOURCE APPROVED BY THE ENGINEER. THE ORGANIC MATERIAL SHALL BE THAN USED AS TOP DESING WHEN MUCKD WITH CLEAR SARDY SOL.
- DES AND ELEVATIONS ARE AS DENOTED BY THE APPLICABLE LEGEN AS PART OF THE CLEARING AND GRUBBING OPERATION, THE CONTRACTOR IS TO REMOVE EXI FROM THE SITE AS SHOWN ON PLANS.
- THE CONTRACTOR SHALL NOTIFY MARION COUNTY ENGINEERING DIVISION AND TRIJMAN AND ASSOCIATES ENGINEERING, LLC AT LEAST ONE WEEK BEFORE COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR SHALL OBTAIN A MARION COUNTY R/W PERMIT
- IN SEPARATION OF 1.5 FEET BETWEEN THE LIMERDCK BASE AND THE HIGHEST GROUNDWATER ELEVATION SHALL BE IED WITHIN THE RIGHT-OF-WAY. CONTRACTOR TO NOTIFY ENGINEER IF 1.5 FEET OF SEPARATION IS NOT ACHIEVED.
- A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- PER SECTION 82-371, CODE OF ORDINANCES: FOR ANY WORK WITHIN PUBLIC RIGHT OF WAYS, A RIGHT OF WAY UTILIZATION PERMIT MUST BE OBTAINED FROM THE ENGINEERING DEPARTMENT A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT THREE (1) EST OF STANDARD SHOP DRIVINGS AND MANUACTUREST COLLARGE WITH THE MODEL INAMERE DRIVE OF THE THE INFORMATION OF DRIVING ENDORMOL, THE SUBMITTER SHALL BLAFT HARDONG OF THE UNDERIGIDATION UTTILT CONTRACTOR. ALL UTLITY THOP DRIVINGS AND MANUACTUREST CATALOOS SHALL BE APPROVED BY THE DRIVINGE OF RECENT AND MARKIN CONTRY THREE TO CONSTRUCTOR.
- ALL AS BUILTS SHALL COMPLY WITH THE CURRENT LDC, SECTION 6.14.8 AND RETURNED IN NADES W. FORMAT WITH NORTHING AND EASTING COORDINATES FOR ALL ITEMS UNDER WATER AND WASTEWATER COMPONENTS.
- MCU PERSONNEL ARE TO INSPECT ANY WORK PERFORMED ON OR AROUND EXISTING MCU INFRASTRUCTURE. A PRE-CONSTRUCTION METING IS ACQUIEDT TO BE HELD A NUMARIA OF A INCURS PRIOR TO START OF ANY CONSTRUCTION. IF THE PRE-CONSTRUCTION METING IS NOT COMPLETED, ANY MORE MAYEE HELTS TO SCIEDULE, CONSTRUCTION IF THE PRE-CONSTRUCTION METING IS NOT COMPLETED, ANY MORE MAYEE HELTS TO SCIEDULE, CONSTRUCTION IF THE PRE-CONSTRUCTION METING IS NOT COMPLETED, ANY MORE MAYEE HELTS TO SCIEDULE, CONSTRUCTION IF THE PRE-CONSTRUCTION METING IS NOT COMPLETED, ANY MORE MAYEE HELTS TO SCIEDULE CONSTRUCTION IF THE PRE-CONSTRUCTION METING IS NOT COMPLETED, ANY MORE MAYEE HELTS IN CONSTRUCTION IF THE PRE-CONSTRUCTION METING IS NOT COMPLETED, ANY MORE MAYEE HELTS IN CONSTRUCTION IF THE PRE-CONSTRUCTION METING IS NOT COMPLETED, ANY MORE MAYEE HELTS IN CONSTRUCTION IF THE PRE-CONSTRUCTION METING IS NOT COMPLETED, ANY MORE MAYEE HELTS IN CONSTRUCTION IF THE PRE-CONSTRUCTION METING IS NOT COMPLETED, ANY MORE MAYEE HELTS IN CONSTRUCTION OF THE PRE-CONSTRUCTION METING IS NOT COMPLETED, ANY MORE MAYEE HELTS IN CONSTRUCTION OF THE PRE-CONSTRUCTION OF
- ALL UTILITES UNDER EXISTING OR PROPOSED PAVEMENT SHALL BE SLEEVED IN ACCORDANCE WITH SECTION B.2.6A OF THE MANON COUNTY LAND DEVELOPMENT CODE.

#### PAVING AND DRAINAGE NOTES

#### DISTANCE BETWEEN CENTERLINES OF DRAINAGE STRUCTURES ALL PAVEMENT RETURN RADII SHALL BE 26' AND MEASURED FROM THE INTERFACE OF THE CONCRETE CURB AND PAVE SURFACE UNLESS OTHERWISE NOTED.

- DITCH BOTTOM AND CONTROL STRUCTURE INLET GRATES SHALL BE SECURED WITH CHAIN AND EVENOLT
- FIVE (5) FEET OF SOD IS REQUIRED AROUND ALL DITCH BOTTOM INLETS, MANHOLES, HEADWALLS AND MITERED END SECTIONS. TOP ELEVATIONS OF MANHOLES IN GRASSED AREAS SHALL BE LOCATED AT FINISHED GRADE ELEVATION.
- UP EXTENSION OF MANNELS CARTERS OF MANNELS AND ALL REAL AND ALL REAL TRADITION OF MANNELS CARTERS OF MANNELS AND ALL REAL AND ALL REAL
- TOP SOIL WHICH HAS BEEN STRIPPED AND STOCK PIELD DURING THE COURSE OF CONSTRUCTION SHALL BE REDISTIBUTED ON ALL REGRADED SUM ACES SO AS TO PROVIDE AT LEAST FOUR RICHES OF EVEN COVER TO ALL DISTURBED AREAS OF THE DEVELOPMENT AND SHALL BE STRAILED BY SEGNED OR FJANTING.
- ALL DISTURBED AREAS WITH SLOPES UP TO 6:1 SHALL BE SEEDED AND MULCHED. SLOPES STEEPER THAN 6:1 SHALL BE SODDED AND SLOPES 3:1 OR STEEPER SHALL HAVE THE SOD PEOGED. SEE TABLE 2.0 FOR REQUIRED STORM PIPE COVER BENEATH AN UN
- SEE TABLE 4.0 FOR REQUIRED STORM PIPE COVER BENEATH FLEXIBLE PAVEMENT
- THE TABULATED VALUES ARE RECOMMENDED MINIMUM DIMENSIONS TO WITHSTAND ANTICIPATED HIGHWAY TRAFFIC LOADS ADDITIONAL COVID MAR BERGURED TO SUPPORT CONSTRUCTION EQUIPMENT LOADS ON HIGHWAY TRAFFIC LOADS BET ADDITIONAL COVID MAR BERGURED TO SUPPORT CONSTRUCTION EQUIPMENT LOADS ON HIGHWAY TRAFFIC LOADS BET ADDITIONAL COVID MAR BERGURED TO SUPPORT CONSTRUCTION EQUIPMENT LOADS ON HIGHWAY TRAFFIC LOADS BET ADDITIONAL COVID MAR BERGURED TO SUPPORT CONSTRUCTION EQUIPMENT LOADS ON HIGHWAY TRAFFIC LOADS BET ADDITIONAL COVID MAR BERGURED TO SUPPORT CONSTRUCTION EQUIPMENT LOADS ON HIGHWAY TRAFFIC LOADS BET BORNEL SEE TO DIVISION AND ADDITION ADDITION AND ADDITION AND ADDITION AND ADDITION ADDITION AND ADDITION AND ADDITION AND ADDITION ADDITION ADDITION ADDITION ADDITION AND ADDITION ADDITIONAL ADDITICUMAL ADDITIONAL ADDITIO
- ALL RCP STORM W
- ALL STORM PIPE JOINTS SHALL BE WRAPPED AS SPECIFIED IN FDOT INDEX 280.
- THE LAST FOOT OF STORM WATER POND SHALL NOT BE EXCAVATED UNTIL ALL DISTURBED AREAS ARE STABILIZED. ANY FULL MATERIAL MUST BE APPROVED BY ENGINEER IN WRITING PRICE TO PLACEMENT.
- SIGNIFICANT CARE MUST BE TAKEN WHEN GRADING RETENTION PONDS TO ENSURE THAT POND BOTTOMS DO NOT RECOME COMPACTED DURING CONSTRUCTION OR SEALED BY CONSTRUCTION SEDIMENT. IF SEDIMENTATION OR COMPACTION OF A POND

#### IRE DEPARTMENT

- THE STRUCTURES BEING CONSTRUCTED ON THE PROPERTY WILL BE CONSTRUCTED UNDER THE 7TH EDITION OF FLORIDA FIRE PREVENTION CODE.
- FITE MANDEM COUNTY OFFICE: FITE: INTERNET BUILT DEL LOCATE DS OA S NOT TO REQUIRE THE LAVING OF MORE THAN FOUR-HUNDRED (400) FIET OF HOSE CONNECTED TO SUCH HYDRANT, ALONG THE BLARGET PUBLIC RIGHT-OF-WAY, TO THE CENTER OF ANY BUILDARE LOCID (PARCEL) IN THE DEVELOPMENT.
- ANY NEW HYDRANTS MUST BE ABLE TO SUPPLY 1000 G.P.M. OF WATER AT 20 P.S.I. AT ANY TIME OF THE DAY ANY NEW HYDRANTS SHALL BE TESTED BY THE CONTRACTOR IN THE PRESENCE OF THE FIRE DEPARTMENT PRORT TO APPROVAL OF THE FIRE HYDRANTS BY THE FIRE DEPARTMENT (THE EFTING OF IS ORDAL BIRE
- EACH NEW FIRE HYDRANT SHALL BE CLOW MEDALION WITH TOPS AND BONNETS POWDER COATED FROM FACTORY, SAFETY BUE. WHERE UNDERGROUND WATER MAINS AND HYDRANTS ARE TO BE PROVIDED, THEY SHALL BE INSTALLED, COMPLETED, AND IN SERVICE PROR TO CONSTRUCTION WORK. (7TH EDITION OF FLORIDA FIRE
- THE ACCESS ROADS SHALL REMAIN CLEAR OF VEHICULAR OBSTRUCTIONS TO ALLOW ACCESS OF FIRE DEPARTMENT UNITS WHILE THE BUILDINGS ARE BEING CONSTRUCTED. (ITH EDITION OF FLORIDA FIRE PREVENTION CODE)
- IF LAND CLEARING OPERATIONS REQUIRE BURNING, A BURN PERMIT MUST BE OBTAINED FROM THE DEPARTMENT OF FORESTRY PRIOR TO BURNING ANY MATERIAL.
- ANY NEW FIRE HYDRANT INSTALLED MUST BE FLOWED & PAINTED BY CONTRACTOR PER NIPA 201 ONCE ALL NEW HYDRANTS HAVE BEEN INSTALED, TESTED, AND PAINTED PER NIPA 201 BY A THIRD PAITY CONTRACTOR. A THIRD PAIRTY CONTRACTOR WILL PROVIDE THE MARION COUNTY FIRE PREVENTION OFFICE WITH A COPY OF THE HYDRANT FOR THAT AND A THIRD PAIRTY OFFICE.
- ORCE MAIN NOTES

#### ALL CONSTRUCTION

ALL FORCE MAIN CONSTRUCTION AND MATERIALS TO BE OWNED AND MAINTAINED BY MARION COUNTY UTILITIES. PIPE LENGTHS SHOWN IN REPRESENT SCALED DISTANCES BETWEEN FITTINGS OF BRANCHES AND MAI

S SHALL BE IN COMPLIANCE WITH THE MARION COUNTY LDC FOR FORCE MAR

- DEFLECTIONS AT PIPE JOINTS SHALL NOT EXCEED THOSE RECOMMENDED BY THE PIPE MANUFACTURER.
- VALVES SHALL BE EQUIPPED WITH AN ADJISTABLE CAST IRON VALVE BOX WITH COVER, WITH THREADED EXTENSIONS WHERE NEEDED, UNLESS OTHERWISE NOTED.
- ALL PVC FORCE MAIN SHALL BE AS SPECIFIED IN THE CONTRACT DOCUMENTS, MARKED WITH THE SEAL OF APPROVAL OF THE NATIONAL SANITATION FOUNDATION (NSF).
- ALL NON-METAULE FORCE MINE SHALL DE VIN HA CONTINUOUS INSEATED IN CAUSE COPPER WHE INSTALLD DRECTLY ON TO OF THE PIPE FOR LOCATION INSPOSES. SEE STANDARD DEAVINGS. IN ADDITION LA INFC YORIE MINE SHALL BE ETHER AS CAUSE GREEN COLOR ON WHITE WITH TRENE TERMENT. ALL LETTERING SHALL APPEAR LEDIES YOR IPPE AND SHALL RIK THE DITIONE LENCTH OF THE PIPE. LETTERING SHALL READAS STANDARDER FOR THE INTERDED USE.
- HYDROSTATIC & LEAKAGE TESTING OF THE FORCE MAIN SHALL BE DONE IN ACCORDANCE WITH THE AWWA STANDARDS. HYDROSTATIC TESTING TO BE DONE IN ACCORDANCE WITH AWWA C-600.

MATERIALS - SHALL BE MAN L HAVE A MINI H.S. BE MANUFACTURED IN ACCORDANCE WITH AWWA STANDARD CROD, LATEST EDITION. THE PVC A NUMMUM WORKING PRESSURE OF 100 PSI AND SHALL HAVE A DMENSION RATIO (DR) OF 25 SIMUE NOTED. PPE SHALL BE THE SAME O.D. AS DUCTLE INON PIFE. PVC JOINT - SHALL BE IN UTITH ASTM DISD. DUCTLE IRON (DRT) - SHALL BE IN ACCORDANCE WITH ANN 391 11 ANN 1

- AR RELEASE VALVES SHALL BE REQUIRED AT ALL HIGH POINTS IN THE PROPOSED FORCE MAIN, AS SHOWN ON PLANS HIGH POINTS IN THE FORCE MAIN ARE DEFINED AS A CHANGE IN ELEVATION TWICE THE DIAMETER OF THE PRE.
- ALL FORCE MAINS TO BE CONSTRUCTED WITH A MINIMUM OF 4 FEET OF COVER

WATER MAIN CONSTRUCTION NOTES ALL CONSTRUCTION AND MATERIALS SHALL BE IN COMPLIANCE WITH AWWA STANDARDS AS WELL AS THE MARIN COMMYLIC ROSTRUCTION. SANITARY SEWER NOTES

ALL MATERIALS AND CON

3. ALL MANHOLES SHALL BE 4 FT. INSIDE DIAMETER.

8. MARK LATERALS BY ETCHING AN "5" INTO CURBING.

LEAKAGE TEST ARE SPECIFIED REQUIRING THAT

TESTING OF THE SEWAGE COLLECTION

REUSE NOTES

EROSION CONTROL NOTES

ORM SEWER, ORMWATER FORCE MAI CLAIMED WATER (2)

PIPE MATERIAL IS ASTM D3034, SDR-25 UNLESS OTHERWISE NOTE

PIPE LENGTHS SHOWN REPRESENT SCALED DISTANCES BETWEEN MANHOLE CENTERLINE

5. ALL SANTARY SERVICE LATERALS SHALL BE 6 INCH DIAMETER, UNLESS SPECIFIED OTHERWISE ON PLAN

INVERTS OF SANTARY SERVICE LATERALS AT THEIR CONNECTION TO SANTARY MANHOLES SHALL BE NO MORE THAN ONE (1) FOOT ABOVE THE MANHOLE INVERT.

A MINIMUM 1.00% SLOPE SHALL BE MAINTAINED ON THE SANTARY SEWER SERVICE LATERALS. AT NO TIME SHALL A SANTARY SEWER LATERAL HAVE A SLOPE OF 15% OR GREATER.

A) THE LEARAGE EXELIMATION OR INVESTIGATION DOES NOT EXCEED 200 GALLONS PER INCH OF IPPE DIAMETER INLE PER DAY FOR ANY DESCINO OF THE EXPERIMENT A MINISMIN POSITIVE HEAD OF 2 FEET. D) ART LETSTA AS MININUL CONFORM TO THE TEST PROCEDURE DESCRIBED IN ASTA C-244 FOR CONFIETE PER OL ART LETSTA AS MININUL CONFORM TO THE TEST PROCEDURE DESCRIBED IN ASTA C-244 FOR CONFIETE PER D) ART LETSTA AS MININUL CONFORM TO THE TEST PROCEDURE DESCRIBED IN ASTA C-244 FOR CONFIETE PER D) ART LETSTA DISCUSSION OF DISCUSSION DESCRIPTION DESCRIPTION

AR TESTS, AS MINMUM, CONFORM TO THE TEST PROCEDURE DESCRIBED IN ASTM C-624 FOR CONCILETE PIPE, ASTM F-1417 FOR PLASTIC PIPE AND FOR OTHER MATERNALS APPROPRIATE TEST PROCEDURES, AR TESTING, IF SPECIFIED FOR CONCRETE SEWER MANHOLES, CONFORMS TO THE TEST PROCEDURES DESCRIBED IN ASTM C-

NO PIPE SHALL EXCEED A DEFLECTION OF 5%.
 USING A RIGID DALL OR MANDREL FOR THE IPPE DEFLECTION TESTS WITH A DAMETER NOT LESS THAN SN' OF THE BASE INSIDE CAMETTION ON VERYORS INSIDE DUMETER OF THE IPPE, DEPENDING ON WHICH IS SPECIFIED IN THE ASTM SPECIFICATION INCLUDING THE APPENDIX. TO WHICH THE IPPE IS MANUFACTURED.
 IPPENDIX THE TEST WITHOUT MECHANICA, PULLOR DEVICES.

A. ALL GRAVITY SEWER MAINS REQUIRE LOW PRESSURE AIR TESTING IN ACCORDANCE WITH THE LATEST UNI-BELL STANDARD FOR LOW PRESSURE AIR TESTS. AIR TEST, AS A MINIMUM, SHALL CONFORM TO THE TEST PROCEDURES DESCREED IN ASTM SPECIFICATIONS, ASTM PILAY FOR FASTIC PIPE.

D. HYDRO-STATIC TESTS CONSISTING OF A HYDROSTATIC PRESSURE TEST AND HYDROSTATIC LEAKAGE TEST SHALL BE CONDUCTED ON ALL NEWLY INSTALLED SEWER FORCE MAIN SYSTEM PRESSURE PRES AND APPURTEMANESS IN ACCORDANCE WITH AWWAR GOOD RN 23 AS APPLICABLE. THE PRESSURE MAILES ID PS FOR TWO (2) HOURS.

E. DEFLECTION TEST ARE REQUIRED FOR ALL FLEXIBLE PIPE EXCLUDING FORCE MAINS. TESTS SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.D MICAUIDE FROM THE INTERFACE TO THE CONCRETE CURB AND PAVEMENT. SURFACE UNLESS OTHERWISEN FORTD.

ALL IRRIGATION, REUSE AND EFFLUENT REUSE PIPING TO BE OWNED AND MAINTAINED BY MADION COLINTY SHALL BE A SOLID PURPLE COLOR.

REUSE AND EFFLUENT REUSE MAINS SHALL BE PVC CONFORMING TO AWWA C-000, OR 18 FOR PIPE SZES 4"-12" PIPES LARGER THAN 12" SHALL BE AWWA CORD, OR 18. ALL COURLINGS, LITANING COMPOUND, SOLVENTS, LUBRICANTS, AND PIPE PIEPARATION, FOR LAVING SHALL BE IN ACCORDANCE WITH THE PIPE MANUFACTURES LATEST RECOMMENDATIONS.

ALL REUSE AND EFFLUENT REUSE MAINS UNDER PAVEMENT SHALL BE DUCTLE IRON PIPE AND SHALL EXTEND 5' BEYOND THE EDGE OF PAVEMENT OR BACK OF CURB.

6. ALL IRRIGATION SLEEVING UNDER PAVEMENT SHALL EXTEND 5' BEYOND THE EDGE OF PAVEMENT OR BACK OF CURB.

DURING CONSTRUCTION, THE CONTRACTORS SHALL TARE ALL REASONABLE MEASURES TO INSURE AGAINST POLILING, SILTING OR DISTUBIENT TO SUCH AN EXTERN AS TO CAUSE AN INCREASE IN THE EXESTING SURFACE WATERS, SUCH MEXISTER SHALL RE APPROVED BY THE PRODUCT ENDERHER AND NAM INCLUE, BUT NOT LIMITED TO, CONSTRUCTION OF TEMPORARY ROBION CONTROL STRUCTURES SUCH AS SEDIMENT BARING, SUBMERT CHARGE, OR SULT ADMIRES.

2. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL EROSION CONTROL MEASURES AS SHOWN ON THE EROSION

SODDING OF DETENTION PONDS SHOULD BE ACCOMPLISHED WITHIN 14 DAYS OF POND GRADING TO MINIMIZE BROSIGN POTENTIAL.

AT A MINIMUM, THE RETENTION/DETENTION STORAGE AREA MUST BE EXCAVATED WITHIN ONE FOOT PRIOR TO BUILDING CONSTRUCTION OR PLACEMENT OF IMPERVIOUS SUMPACE WITHIN THE AREA TO BE SERVED BY THOSE

ALL SODIED AND/OR SEEDED AREAS MUST BE WATERED AS NECESSARY DURING CONSTRUCTION AND 2 MONTHS AFTER COMPLETION OF CONSTRUCTION IN ORDER TO ENSURE STABILIZATION AND SURVIVAL.

LOCATION OF PUBLIC WATER SYSTEM MAINS IN ACCORDANCE WITH F.A.C. RULE 62-555.314

Water Main

Water Main

O Water Main

. LATED UNDER PART III OF CHAPTER 62-630, F.A.C. RY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVT

12 inches is preferm 6 inches minimum

Water Main

Ш

Water Main

Ц

н

Water Mai

lain 🛛

dain |

FACILITIES. TO PREVENT REDUCTION IN STORAGE VOLUME AND PERCOLATION RATES. ALL ACCI MUST BE REMOVED FROM THE STORAGE AREA PRIOR TO FINAL GRADING AND STABILIZATION. IF DURING CONSTRUCTION, THE INCIDENT EDUSCING SYSTEM DOCS NOT PERSONAL ARTISFACTORY, ALTERNATIVE AND ADDITIONAL MITCHORS OF POTECTION SHALL BE MIN EMMETTION TO THE CONTRACTORY ADDITION TO COMPAY WITH S.J.R.W.B.J.S.W.M.M.D. AND <u>MEMONY CONTRY</u>. ENDISON CONTROL COSTS INCLUDING ANY COSTS ASSOCIATED WITH COMPLANCE ISSUES AND DIMONCEMENT ACTIONS.

Water Main

Water Main 10 ft. preferred 3 ft. minimum

Water Main 10 ft. preferred 6 ft. minimum (3)

minimum

5 A 2 STRIP OF SOD SHALL BE IN ACED REHIND BACK OF CLIPS

NTRACTOR SHALL SUBMIT THREE (3) SETS OF COMPLETE DETAIL TO SHOP DRAWNOS FOR ALL SANTARY MANHOLES, WE , OTHER CASTINGS, AND PUMPS. THE SUBMITTALS SHALL BEAR THE APPROVAL OF THE UNDERGROUND UTLITY CONTRU-OL SHET, A COMPLETE SET OF THE UIT STATION ELECTRICAL SHOP DRAWNOS SHALD BEQUINTD IF APPLICABLE. ALL DRAWNOS SHALL SANTONIC DI YIE HENDREED OF RECOMPLETION DAM <u>MARKO CAUCUTT</u> PRIORI TO CONSTRUCTION.

15. SANTARY SEWER SERVICES SHALL BE INSTALLED 10' FROM BACK OF CURB.

DEPTH OF REUSE AND EFFLUENT REUSE LINES TO BE 36" BELOW FINISHED GRADE RELISE AND EFFLUENT RELISE MAINS TO BE LOCATED 5' FROM BACK OF CUIBE OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

B. ALL SEWER MAINS SHALL BE LAMPED BY IN THE PRESENCE OF A MARION COUNTY REPRESENTATIVE. C. ALL MANHOLES SHALL BE INSPECTED FOR INFILTRATION, ALIGNMENT, FLOW CHANNEL CONSTRUCTION AND COAL TAR EPCKY FAINT THROUGHOUT.

SANTARY SEVER GRAVITY MANS ARE TO BE UPGRADED IN NATERIAL TO WATER MAIN STANDARDS AND HYDROSTATICALLY PRESSURE TESTED WITH WATER TO ENSURE JOINT TIGHTNESS IF EITHER OF THE HORZ VERTICAL MINIAUM REQUIRED CLEANANCE PROLA VIATER MAIN CANOT BE MANTARED OR IF THE SEVER ABOVE THE WARTER MARL UNDER TO MATERIA. CHARGT BE MADE WHITCH PRICH APPROVAL PROLATED.

MINIMUM AS BUILT 8" PVC SEWER LINE SLOPE WILL BE 0.40% MINIMUM SLOPE OR WILL BE RE-LAID BY CONTRACTOR TO MEET THE MINIMUM SLOPE REQUIREMENT AT NO ADDITIONAL COST.

- ALL WATER MAIN CONSTRUCTION AND MATERIALS WITHIN R/W OR EASEMENT TO BE OWNED AND MAINTAINED BY MARDON COMPTY UTILITIES. 3. SEPARATION REQUIREMENTS (SEE TABLE 1.0-UTILITY SEPARATIONS
- 3.1. HORIZONTAL SEPARATION BETWEEN LINDERGROUND WATER MAINS, SANITARY OR STORM SEWERS, WASTEWATER OR STORM WATER FORCE MAINS, RECLAIMED WATER PIPEUNES AND ON-SITE SEWAGE TREATMENT AND DEPORTS A EXTERNOL
- 3.1.1. NEW OR RELOCATED UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AL LEAST 3 RETWERE THE OUTSIDE OF THE WATER MARK AND THE OUTSIDE OF ANY EXISTING OR PROFOXED STORM SERVER, STORM WATER FORCE MARK OR PRELINE CONVETING RECLARED WATER REGULATED UNDER PART III OF OWNERS 4-2010, F.A.C.
- 3.1.2. NEW OR RELOCATED UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AN LEAST 3' AND PRETRABLY 3D' BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TIPE SANTARY SERVER.
- 3.1.3. NEW OR RELOCATED UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE LEAST 6' AND PREFERALEY 30' BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF AVITE OR PROPOSED GRAVITY OR PRESSURE-THE SANTIARY SEWER. WASTEWATER FORCE MAIN OR PRELINE.
- 3.2. VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORM WATER FORCE MAINS OR RECLAIMED WATER PIPELNES:
- NEW OR RELOCATED UNDERGROUND WATER MAINS CROSSING ANY GRAVITY OR VACUUM-TYPE SANITARY SEVER IPPE SMALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 5<sup>°</sup> AND PREFERANCE 12<sup>°</sup> ABOVE OR AT LEAST 12<sup>°</sup> BELOW THE OUTSIDE OF THE OTHER IPPE. IT IS PREFERANCE TO LAY THE WATER MAIN ABOVE THE OTHER BEININ
  - 3.2.2. NEW OR RELOCATED UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED RESSURE-THRE SANITARY SEWER, WASTEWATER OR STORM WATER FORCE MAIN OR FIFELINE CONVENING RECLAIMED WATE SINUL BE LAD SO THE OUTSIDE OF THE WATER MAIN SAY LEAST 12<sup>1</sup> ARDVE OR BELOW THE OUTSIDE OF THE OTHER PROVING. IT & PREFERENT TO LATT THE WATER MAIN ADDRET THE OTHER PREIME.

  - 3.3. NO WATER MAIN SHALL PASS THROUGH OF CONTACT WITH ANY PART OF A SANITARY SEWER MAINFOLE OR A STORM SEWER MANHOLE.
  - KARDINGLE LIK A SUBMIT STREET REMANDALING ALL REVEALS AND A
  - TIONS IN THE ABOVE ITEMS SHALL BE CO WITHOUT EXCEPTION. IF FOR SOME REASON WHERE IT IS NOT TECHNICALLY FEASIBLE OR ECONOMICALS SINIBLE THAT THE ADVECTIMES CANNOT BE COMMULE WITH, CONTRACTOR IS TO STOW WORK AND NOTIFY THE ENGINEER OF RECORD FOR THE APPROPRIATE SOLUTION THE SOLUTION WILL BE SUMMITTED TO THE CONTRACT OF RECORD INCOMENDATION OF CONTRACT ON THE SOLUTION WILL BE SUMMITTED
- DEFLECTIONS AT PIPE JOINTS SHALL NOT EXCEED THOSE RECOMMENDED BY THE PIPE MANUFACTURER.
  - ALL GATE VALVES SHALL BE EQUIPPED WITH AN ADJUSTABLE CAST IRON VALVE BOX WITH COVER, WITH THREADI WHERE NEEDED.
  - ALL PUBLIC WATER SYSTEMS COMPONENTS, EXCLUDING FIRE HYDRANTS, THAT SHALL BE INSTALLED UNDER THIS PROJECT THAT SHALL COME INTO CONTACT WITH DIBINING WATER SHALL CONFORM TO NSF INTERNATIONAL STANDARD BL AND BE MARIED WITH NOF SEAL OF APRICVAL.
  - EE MARED WITH THE YEAR UP APPROVAL. AND THE PROPERTY AND THE STATUSED AND THE STRUCT SHALL BE CLORE CODED MARED IN ACCORDANCE WITH SIGNAMAGENET STS 3202128). A L SUBJECT SHALL BE CARE COMMANY CODE ALL CONTENT AND WITH MARES SHALL BE SIGNAMAGENET STS 3202128). A L SUBJECT SHALL BE CARE OF STRUCTURE AND THE STATUS AND THE MARENT SHALL BE AND THE SHALL BE CARE CODE AND THE STATUS AND THE STATUS AND THE STATUS AND THE MARENT SHALL SHALL BE AND THE SHALL BE CARE OF STRUCTURE AND THE STATUS AND THE STATUS AND THE MARENT SHALL SHALL BE AND THE STATUS AND T
  - ALL NON-METALLIC WATER MAINS SHALL BE INSTALLED WITH A CONTINUOUS, INSULATED 14 GAUGE COPPER WIRE INSTALLI DIRECTU'S ON TOP OF THE FIPE FOR JOCATION PURPOSES. SEE STANDARD DRAWINGS. IN ADDITION, ALL PVC WATER MAINS SHALL BE A SOLD BLUE COLOR. 10 MARK DRINKING WATER SERVICES BY FECHING & "W" INTO CURRING
- PIPE MATERIALS: ALL PIPES, PIPE FITTINGS, PIPE JOINT PACKING AND JOINTING MATERIALS, VALVES, FIRE HYDRANTS, AND METERS INSTALLED UNDER THIS PROJECT SHALL CONFORM TO APPLICABLE AWWA STANDARDS.
  - The PARTIELEMENT AND ADDRESS TO JE PARTIES AND ADDRESS ADDRESS
  - SOUNTS SHALL BE IN ACCORDANCE WITH ANSI A21.12 AND AWAY C111. ALL SERVICES SHALL BE POLYETHYLENE TUBING, CLASS 160 AND SHALL BE IN ACCORDANCE WITH AWAY C011.
- 13. ALL VALVES SHALL BE LOCATED IN NON PAVED AREAS, UNLESS SPECIFIED ON I 14. FIRE HYDRANT LEADS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 6" AND SHALL INCLUDE AN AUXILIARY VALVE
- IF AGGRESSIVE SOL CONDITIONS ARE FOUND DURING CONSTRUCTION, WATER MAINS SHALL BE PROTECTED THROUGH THE USE OF CORROSION RESISTANT MATERIALS, THROUGH ENCASEMENT OF THE WATER MAINS IN POLYETHYLENE, OR THROUGH BROWNING OF CATHORINE REDIFFETION
- 16. ALL PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT SHAL BE "LEAD FREE" AS DEFINED IN THE LATEST VERSION OF THE SAFE WATER DRINKING ACT.
- 17. WHERE NEW OR ALTERED DEAD-IND WATER MAINS INCLUDED IN THIS PROJECT CANNOT BE AVOIDED, THEY SHALL BE PROVIDED WITH A FIRE FLUSHING HYDRANT OR BLOW-OFF FOR FLUSHING PURPOSES.
- ALL FILE HYDRANTS THAT WILL BE NOTALLED UNDER THIS PROJECT SHALL BE LOCATED AT LEAST THREE FEET FROM ANY OR PRODUCED STOM SERVER, STOMA WATER FORCE MANN, PRELINE CONVENTION RECLAMED WATER RECOLUTED UNDER ID CONVETTER SEGLIAL, C.C., ON VACUUM THYS SANTRAYTS WITH, AL LOSS THEY THIS THOM ANY DISTU GRAVITY OR PRESSURE THYS SANTRAYT SERVER, WASTEWATER FORCE MAIN, OR PRELINE CONVENING RECLAMED WATE REQUILATED UNDER WATER IN CONVENTION 2000, PLACE
- 19. PROPOSED FIRE HYDRANTS CONNECTED TO THE POTABLE WATER MAIN, FOR THIS PROJECT, SHALL BE PAINTED PER NIPPA AND AWWA STANDARDS. FIRE HYDRANTS CONNECTED TO THE DESIGNATED FIRE UNIX SMALL BE PAINTED PER JURISDICTION.

- A start was one multi-start was an end of the start was at the start was an end of the start was and the start was an end o
- THE OPEN END OF THE AIR RELIEF PIPE FROM ALL AUTOMATIC AIR RELIEF VALVES WILL BE EXTENDED TO A ABOVE GRADE AND WILL BE PROVIDED WITH A SCREENED. DOWNWARD FACING ELDOW. [FAC 63-555.32 ABOV 8.4.21 22. A CONTINUOUS AND UNIFORM BEDDING WILL BE PROVIDED IN TRENCHES FOR UNDERGROUND PIPE; BACKFILL MATERIAL WILL BE TAMOPO IN LAYERS ABOUND LINDERGROUND REP TO ADE OLIVERY SUBSORT AND REDERCT THE REP. AND LINSUITARY SOT
- STONES (AS DESCRIPTION APPLICATEL AWAY STANDARD ON A MANUFACTURES' RECOMMOND INSTALLADO AN PROCEDURES, FOUND IN TRENCHES WILL BE REMOVED FOR A DEPTH OF AT LEAST SIX INCHES BELOW THE BOTTOM OF UNDERGROUND PIPE
- ALL WATER MAIN TEES, BENDS, PLUGS, AND HYDRANTS WILL BE PROVIDED WITH THRUST BLOCKS OR RESTRAINED JOINTS TO PREVENT MOVEMENT. [FAC 62-555.320[21](b)(3, AND RSWW 8.5.4]
- 24. NEW OR ALTERED WATER MAIN INSTALLATION AND PRESSURE AND LEAKAGE TESTING, SMALL BE PROVIDED IN ACCORDANCE WITH APPLICABLE AWAK STANDARDS. PVC WATER MAIN INSTALLATION AND TESTING SHALL CONFORM TO AWWA CEDS. DUICTUE INDIV WATER MAIN INSTALLATION AND ISTING SHALL CONFORM TO AWWA CEDS.
- 25. NEW OR ALTERED WATERMANK, INCLUDING FIRE HYDRANT LEADS AND SERVICE LINES THAT WILL BE UNDER THE CONTROL OF A PUBLIC WATER SYSTEM AND THAT HAVE AN INSIDE COAMETER OF THREE INCHES OR GREATER, SHALL BE DISINFECTED AND BACTERIZOCICULY TISTED IN ACCORDANCE WITH AWAYA GSS.
- 26. THE MINIMUM COVER TO BE PROVIDED OVER POTABLE WATER LINES SHALL BE 3".
  - 27. WATER SERVICES SHALL BE INSTALLED 10' FROM BACK OF CURB.
- - TED UNDER PART II OF CHAPTER 62-610. F.A.C.

- AS-BUILT NOTES ICTION SHALL BE IN COMPLIANCE WITH THE MARION COUNTY LDC FOR WASTEWATER
- INTERVIEW IN CONSTRUCTION PROGRESS. RECORD DRAWINGS SUBMITTED TO THE E 2. ALL SANTARY SEVER CONSTRUCTION AND MATERIALS WITHIN RW OR EASEMENT TO BE OWNED AND MAINTAINED BY MARDIN COUNTY UTILITIES. WINGS SHALL BE LEGIBLY MARKED T DRAWINGS SHALL SHOW ACTUAL LOCATION OF ALL UNDERGROUND AND ABOVE GROUND STORM DRAINAGE. WATER, REUSE AND WASTEWATER PIPING AND REL
  - GROUND STORM DIMENSION, WHITEN, REUSE AND WASIEWAN DA PERMAN APPLIETENNEES, ALL PIPRO LOCATIONS INCLUONS OPPORTUNAL AND VERTICAL LOCATIONS OF UTILITIES AND APPLIETENANCES SHALL BE CLEARLY SHOWN AND REFERENCED TO PERMANENT SURFACE IMPROVEMENTS. DRAWINGS SHALL ALSO SHOW ACTUAL INSTALLED PPE MATERIAL, CLASS, ETC. C. DRAWINGS SHALL CLEARLY SHOW ALL FIELD CHANGES OF DIMENSION AND DETAIL INCLUDING CHANGES MADE BY FIELD ORDER OR BY CHANGE ORDER.

IBMIT A CERTIFIED SET OF RECORD DRAWINGS TO THE

- D. DRAWINGS SHALL CLEARLY SHOW ALL DETAILS NOT ON ORIGINAL CONTRACT DRAWINGS BUT CONSTRUCTED IN THE FIELD. ALL EQUIPMENT AND PIPING RELOCATION SHALL BE CLEARE VEHICLEN.
- LOCATION OF ALL INLETS AND MANHOLES, HYDRANTS, VALVES AND VALVE BOXES SHALL BE SHOWN. ALL VALVES SHALL BE REFERENCED FROM AT LEAST TWO PREFERABLY
- DIMENSIONS BETWEEN ALL INLETS AND MANHOLES SMALL BE VERIFIED AND SHOWN. THE INVERTS AND GRADE ELEVATIONS OF ALL INLETS, CONTROL STRUCTURES AND MANHOLES SHALL BE SHOWN. CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY FOR POND GRADING. SPOT ELEVATIONS SHALL BE TAKEN AT TOP OF BANK, POND BOTTOM, AND ALL GRADE BREAKS AT 50'

  - DRAWINGS SHALL CLEARLY INDICATE VERTICAL AND HORIZONTAL SEPARATION BETWEEN WATER MAIN AND STORM DRAINAGE/SANTARY SEWER/RECLAIM WATER MAINS AT POINTS OF CROSSING IN ACCORDANCE WITH FOR CRITERIA. WHERE THE WATER MAIN CROSSES OTHER UTILITIES (STORM, GRAVITY SEWER, FORCE IN NON BECAMPED WATER), THE CERTIFICATION AND A CONSTRUCT AN ADDRESS AND CONSTRUCT CART THE CONSTRUCTED SELVICION IS SUCH ANY THAT THE VERTICAL WATION ELTIVECENTE SELVICIONIS IS SUCH ANY THAT THE VERTICAL MARION ELTIVECENT HE WATER MAIN AND OTHER UTLITIES MAY BE VERIFICA THER. FAILURE TO PROVIDE THE WINCEMATION WILL RESULT IN THE CONTRACT WATION AND SURVEYING THE UTILITIES AT NO ADDITIONAL COST TO THE OWNER
  - WHERE THE WATER MANN CROSSES OTHER UTUITIES (STORM, GRAVITY SEWER, FORCE MARK AND RECLARED WATER), THE CRITIERO A-SUILT DRAWINGS SHALL CLEARLY REDCATED THE LOCATIONS OF IPPE (CONTY IS \$10.01 A MARKINE AS TO DRAWINGSTRATE WILL REDCATE THE CONTRACTOR EXCANATING AND SUBVETING THE UTUITIES AT NO ADDITIONAL COST TO THE CONTRACTOR EXCANATING AND SUBVETING THE UTUITIES AT NO ADDITIONAL COST TO THE OWNER.

EET OF THE PLANS SHALL BE SIGNED, SEALED AND DATED BY REGISTERED SURVEYOR WITH A DDING "THESE AS-BUILT DRAWINGS ACCURATELY DEPICT THE ACTUAL IMPROVEMENTS AS

II 48 Hou It's the Low! -800-432-477



PIPE TYPE/SIZE & SHAPE

......

ATED ALLIMINUM

WYL CHLORIDE

15" - 30" ROUN SHOWN IN PARENTHESIS (

108" & LARGE

CLEARANCES

THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WHICH WE DAYS PRIOR TO THE ANTICIPATED COMPLETION OF CONSTR AMO/OR CERTIFICATION OF COMPLETION APPROVAL DATE.

PROVIDED TO THE ENGINEER 60 DAYS PRIOR TO THE ANTICIPATED COMPLETION OF CONSTRUCTION AND/OF CERTFICATION OF COMPLETION APPROVAL DATE.

SIGNED AND SEALED AS-BUILTO UP ALL VIVIN-IMPROVEMENTS AND ANY OTHER INFORMATION IN FOR THE CLEARANCE APPROVALS WITH S.J.R. W.M.D.S.W.F. WALD, AND THE LOCAL UTILITY THIS INFORMATION SHALL BE PROVIDED TO THE DAYS PRIOR TO THE ANTICIPATED COMPLETION OF DAYS PRIOR TO THE ANTICIPATED COMPLETION OF COMP

THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH SIGNED AND SEALED AS-BUILTS OF ALL UTILITY IMPROVEMENTS, PRESSURE TESTS, BACTERIDOLOCIAL TESTS, AND ANY OTHER INFORMATION NECESSARY FOR THE CLEARANCE APPROVALS WITH <u>FLEEP</u>, AND THE LOCAL UTILITY PROVIDER. THIS INFORMATION SHALL BE

THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH SIGNED AND SEALED AS-BUILTS OF ALL STORM WATER SYSTE IMPROVEMENTS AND ANY OTHER INFORMATION NECESSARY

34471 7-4545

Dcala, (352)

ете ARCH. 100, С Fax: (

WDSC4F Bldg 540 **S** 

PLANUN 2 16th A (352) 7

NOTES

GENERAL

LAINS DNS - SW 8: FLORIDA

IMPROVEMENT PL/ FREEDOM COMMOI MARION COUNTY F

DATE 8/5/24

DRAWN BY KD

CHKD. BY <u>TB</u> JOB NO. <u>24-9046</u>

sht. 02.01

NOT VALID UNLESS SIGNED AND SEALED BY A PROFESSIONAL ENGINEE

ENGINE ENGINE ENGINE ENGINE ENGINE PLANTING - DLANTING - DL 1720 SE 16th Ave. Office: (352) 387-4

5

ł

# TABLE 2.0 - STORM PIPE COVER (LINPAVED)

UNPAVED CONCRETE D STEEL (18") [27"] 24" [33"] 18" [21] 24" (12") [21"] 30" (18") [24"] (24") [27"] (18") [21"] TED ALUMINUM 54" - 72" ROUND 78" - 102" ROUND 30° (24°) [27°] (30°) [33°] 24" (18") [21"] (24") [27"] 0" - 48" ARCH EQUIVA 54" - 72" ARCH EQUIVA 38" (24") [30"] 30" (18") [24"] (30") [36"] (24°) [30'] (30'') 96" - 102" ARCH EQUIVALE RUGATED POLYETHYLENE ANYL CHLORIDE 15" - 48" ROUND VALUES SHOWN IN PARENTHESIS () ARE FOR 3" X 1" CORRUGATIONS WHICH MUST BE SPECIFIED TO UTILIZE THE LESSER COVER. VALUES SHOWN IN BRACKETS [] APPLY TO TYPE 1-R (SPIRAL RIB) PIPE WHICH MUST BE TILIZE THE LESSER COVER. "5" WITH DIAMETERS OF 12" TO 30", HEIGHT OF FILL IS 3".



















NOT VALID UNLESS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER







## LEGAL DESCRIPTION: (AS SURVEYED)

### PARCEL 1A

A PORTION OF THE N.W. 1/4 OF SECTION 15, TOWNSHIP 16 SOUTH, RANGE 21 EAST, MARION COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS

ESCRED AS FRIZINES COMENCE AT NE SUTINEST COMENT OF SUBJECTION IN TRIVER ALONG THE WEST FROMMEN OWN 'S AND SCIENT IS, INSTRY'N'T, LADATA FEET TO BE FORM OF BESIMENT AND THE COMENT ALONG SAM WEST BOUNDARY, ADOT THE TO THE THE THE THE DEPARTING SAD WEST BOUNDARY, ADOT OF WESTING, THENE COMING HAVING SAM WEST BOUNDARY, ADOTT THE TOT THE THE THE COMEND MATTABAD ROTT OF WESTING ANTANATURY IMMETING AND RECORDED IN BOOK IF FARE THE INCLE OPARTING SAD WEST BOUNDARY, ADOTT OF WESTING, ADVINCE SAM WEST BOUNDARY, ADOTT THE TOT THE TOT THE THE TOT THE THE TOT THE TOT THE MATTABAD ROTT OF WESTING ANTANATURY IMMETING AND RECORDED IN BOOK IF FARE THE INCLE OPARTING SAD WEST BOUNDARY, ADOTT OF WESTING, ADVINCE AND RECORDED IN BOOK IF FARE THE INCLE OPARTING SAD WEST BOUNDARY, ADOTT OF WESTING, ADATABAD STORY IMMETING AND RECORDED IN BOOK IF FARE THE INCLE OPARTING SAD WEST BOUNDARY, ADOTT OF WESTING, ADATABAD STORY IMMETING AND RECORDED IN BOOK IF FARE THE INCLE OPARTING SAD WEST BOUNDARY, ADOTT OF WESTING, ADAT WESTING AND RECT TO THE SIL COMENT OF SAD LANGES SERVITOT, INSTALL TEET, THE RECE RECORDED OF MANNO AND RECORDER OF MANNO AND RECORDED OF MANNO AND RECORDER OF MANNO AND AND RECORDER OF MANNO AND RECORDER OF MANNO AND RECORDER OF MA

#### PARCEL 1B

A PORTION OF THE N.W. 1/4 AND A PORTION OF THE S.W. 1/4 OF THE N.E. 1/4 AND A PORTION OF THE WEST 1/2 OF THE S.E. 1/4 OF SECTION 15, TOWNSHIP 16 SOUTH, RANGE 21 EAST, MARION COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHNEST COMMENT OF SAD SECTION 15; THENCE ALONG THE NEST BOUNDARY OF SAD SECTION 15; NOO22/26°E, 2,807.61 FEET, THENE DEPARTING SAD NEST BOUNDARY, SADVIS'E, 570.07 FEET TO THE FONT OF BROWNING, THENCE ALONG THE MORTH MORT WAY LING OF SKE MIST STREET, MISSTITU'H, SLAF TEET THE NEWER DEPARTING SAD MORTH MORT OF WAY LING, ALONG THE ANTEM THE NEW LING NEW AND NEWER, STREET, MISSTITU'H, SLAF TEET THE MENER DEPARTING SAD MORTH MORT OF WAY LING, ALONG THE ANTEM THE MENU LING OF SKE MISSTITU'H, SLAF TEET THE MENER DEPARTING SAD MORTH MORT OF WAY LING, ALONG THE ANTEM THE MENU LING SKE MAN MENNE MENER THE STREET OF THE DEPARTING SAD MORTH MORT OF MENT AND ALONG THE ANTEM THE AND ALONG THE AND ALONG THE AND ALONG ALONG THE STREET, LAS THEMES ALONG THE AND ALONG THE AND ALONG ALONG AND ALONG ALONG AND ALONG THE MALANGLE OF MENT AND ALONG ALONG AND ALONG ALONG AND ALONG ALONG ALONG AND ALONG ALONG ALONG AND ALONG ALO We use is with above on the routions of the constant (i) consets (i) three varies (i) three transformers (ii) there with the transformers (iii) the constant of the constant

### PAROFI 1C

A PORTION OF THE WEST 1/2 OF THE S.E. 1/4 OF SECTION 15, TOWNSHIP 16 SOUTH, RANGE 21 EAST, MARION COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

PARTICULARY DESCREPT AS FOLLOWES: COMENCE AT HE SOUTHWEST COMENT OF SAD SECTION IS INFORME ALONG THE WEST FOUNDARY OF SAD SECTION IS INFORMATION FEET TO BE SOUTH ROOT OF WIN YOF S.W. SAD SECTION IS INFORME. ALONG THE WEST FOUNDARY OF SAD SECTION IS INFORMATION FEET TO BE SOUTH ROOT OF WIN YOF S.W. SAD SECTION IS INFORME. ALONG THE WORL OF WIN LEE AF CALLBORNE THE (C) COMENCE (J) SERVICES (TET TO A FORM OF GENERANCE TO A COME COMMUNE OF SAD SOUTH ROOT OF WIN LEE AF CALLBORNE THE (C) COMENCE (J) SERVICES (TET TO A FORM OF GENERANCE COMMUNE ADORS SOUTH ROOT OF WIN LEE AF CALLBORNE THE (C) COMENCE (J) SERVICES (TET TO A FORM OF GENERANCE COMMUNE ADORS SOUTH ROOT OF WIN LEE AF CALLBORNE THE (C) COMENCE (J) SERVICES (TET TO A FORM OF GENERANCE COMMUNE ADORS SOUTH ROOT OF WIN LEE AF CALLBORNE THE (C) COMENCE (J) SERVICES (TET A COMENTARY OF COMMUNE OF A COME COMMUNE OF A COME COMMUNE OF A COME SOUTH COMENT (TET A) SERVICES (TET TO A FORM OF COMENTARY OF SUBJECT). HANNO A FORM SOUTH ROOT COMENT SOUTH COMENTARY OF SUBJECT (TO THE ADORS OF THE ASSI) (J) OF THE SEL (J) OF THE SEL (J) SERVICES (

SHEET

A PORTION OF THE S.W. 1/4 OF THE S.E. 1/4 AND A PORTION OF THE S.E. 1/4 OF THE S.W. 1/4 OF SECTION 10, TOWNSHIP 16 SOUTH, RANGE 21 EAST, OF THE PUBLIC RECORDS OF MARION COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

Long is the first backward of anticle line in the set of the set

SHEET INDEX

CONTENTS

3 TOPOGRAPHY, TREES & FLOOD ZONE DELINEATION (NORTH OF MATCHLINE A) TOPOGRAPHY, TREES & FLOOD ZONE DELINEATION (SOUTH OF MATCHINE A)
 TOPOGRAPHY, TREES & FLOOD ZONE DELINEATION (SOUTH OF MATCHLINE A)
 DETAILS OF S.W. BOTH STREET

1 DESCRIPTIONS, NOTES, LEGEND, SURVEYOR'S CERTIFICATION

2 OVERALL BOUNDARY, CURVE & LINE TABLES

6 DETAILS OF S.W. 49TH AVENUE RD 7 DETAILS OF SW 49TH AVENUE PO





### LEGAL DESCRIPTION: (AS FURNISHED)

(PER FIRST AMERICAN TITLE INSURANCE COMPANY, ISSUING AGENT GRAY, ACKERMAN & HAINES, P.A., FILE NO. 2076-5142750, BEARING AN EFFECTIVE DATE OF JANUARY OB, 2021)

#### PARCEL 1A, 1B, &1C

RIGHT-

RIGHT-C

LEGAL DESCRIPTION:

PARCEL 2

SHEET 1 OF 8

PARCEL IC: THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF MARION, STATE OF FLORIDA, AND DESCRIBED AS FOLLOWS:

A PORTION OF SECTION 15, TOWNSHIP 16 SOUTH, RANGE 21 EAST, MARION COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS

A PORTION OF SECTION IS, TURNISMO IS SUM, MANGE 21 ESST, MARINO CONTY, TARDA MORE PARTICULARL DESCRIBEL AS ALLANDON OF SECTION IS, TURNISMO IS SUM, MANGE 21 ESST, MARINO CONTY, TARDA MORE PARTICULARL DESCRIBEL AS PORTION DESCRIPTION DESCRIPTION OF SECTION IS, DARROW IS SUM IS ALL DESCRIPTION DESCRIPT

ALSO LESS AND EXCEPT THOSE LANDS CONVEYED TO MARION COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA BY RIGHT-OF- WAY DEED RECORDED IN OFFICIAL RECORDS BOOK 6558, PAGE 1700, OF THE PUBLIC RECORDS OF MARION COUNTY,

ALSO LESS AND EXCEPT THOSE LANDS CONVEYED TO MARION COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA BY RIGHT-OF- WAY DEED RECORDED IN OFFICIAL RECORDS BOOK 6558, PAGE 1708, OF THE PUBLIC RECORDS OF MARION COUNTY,

ALSO LESS AND EXCEPT THOSE LANDS CONVEYED TO MARION COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA BY RIGHT-OF- WAY DEED RECORDED IN OFFICIAL RECORDS BOOK 6558, PAGE 1713, OF THE PUBLIC RECORDS OF MARION COUNTY, FLORIDA;

ALSO LESS AND EXCEPT THOSE LANDS CONVEYED TO MARION COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA BY SPECIAL MARANITY DEED RECORDED IN OFFICIAL RECORDS BOOK 6558, PAGE 1722, OF THE PUBLIC RECORDS OF MARION COUNTY,

ALSO LESS AND EXCEPT THOSE LANDS CONVEYED TO MARION COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA BY SPECIAL WARRANTY DEED RECORDED IN OFFICIAL RECORDS BOOK 6912, PAGE 330, OF THE PUBLIC RECORDS OF MARION COUNTY,

(PER OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY, COMMITMENT NUMBER: 985086-A1, ISSUING OFFICE FILE NUMBER: 1006.1.3, ISSUING OFFICE: 814501, BEARNIG AN EFFECTIVE DATE OF JANUARY 30, 2021)

THE SOUTHWEST QUARTER OF SOUTHEAST QUARTER OF SECTION TEN, TOWNSHP SIXTEEN SOUTH, RANGE TWENTY-ONE EAST, AND ALSO THE SOUTHEAST QUARTER OF SOUTHWEST QUARTER OF SECTION TEN, TOWNSHP SIXTEEN SOUTH, RANGE TWENTY-ONE EAST, MARION COUNTY, RANGAN, CONSISTING OF FIGHTY ADRES, WARE OR LESS

ALSO LESS AND EXCEPT THOSE LANDS CONVEYED TO MARION COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA BY SPECIAL WARRANTY DEED RECORDED IN OFFICIAL RECORDS BOOK 6558, PAGE 1696, OF THE PUBLIC RECORDS OF MARION COUNTY,

LESS AND EXCEPT THOSE LANDS CONVEYED TO BRADFORD EXECUTIVE HOLDINGS, LLC, A FLORIDA LIMITED LIABULTY COMPANY BY WARMANTY DEED RECORDED IN OFFICIAL RECORDS BOOK 6538, PAGE 1693, AS PRERECORDED IN OFFICIAL RECORDS BOOK 6582, PAGE 1424, OF THE PUBLIC RECORDS OF MARION COUNTY, FLORIDA.

- MMARY 06, 202 0 & 60 AM, TE FOLLOWIG SOEDUE 0-1 TIES ARE INTO PERIOD PERIOD.
   TIEM 10: ROTTO: SUM 1255MT IN TANDO G'UNITE ELEMINE COMPANIES.
   TIEM 10: ROTTO: SUM 1255MT IN TANDO G'UNITE: ELEMINE COMPANIES, LE CONCOURT IN DEBUGA AFFECTS INSUEST PROPETING DIS ELMINET IN MARE.
   TIEM 11: EXERUITS) IN TANDO G'UNITE: ELEMINE COMPANIES, LE CONCOURT IN DEBUGA AFFECTS INSUEST PROPETING DIS ELMINET IN MARE.
   TIEM 11: EXERUITS) IN TANDO G'UNITE: ELEMINE COMPANIES, LE CONCOURT IN DEBUGA AFFECTS INSUEST PROPETING DIS ELMINET IN MARE.
   TIEM 11: EXERUITS) IN TANDO G'UNITE: TORMIN DIS ELEMINES INSUESTI AS ET FORMI IN MARINE CONTIT, TORGE AT AMERICAN ELEMINES AND TELECOMPT COMPANIE, AS ET FORMI IN MARINE CONTIT, TORGE AT AMERICAN DIS INSUESTI AS ELMINEST IN MARE.
   TIEM 12: PROPETUAL, ROIT-OF-WIX ELEMINET IN FUND G'UNITA DISCOMPTIATIONE DISCOMPTIATIONES INSUESTI AND AFFECTS THE SUBJECT PROPERTI AND IS EVENTED INFERENCESSI OF MARINE ALL ROUT, TILE AND INTEREST OF MARINO COUNTY, TLORGA, A BODY CONFORME UNDER THE LANGE OF THE PROPERTICA DISCOMPTIATION DISCOMPTIATIONE SUBJECT DISCOMPTIATIONE INSUESTI IN AND TILE IN AND TO AN OUNDERD THAE-FORMEN WITH AND ELEMINE COUNTY, TLORGA, AFECTS THE SUBJECT OF MARENT AND AND THAN THE AND THAE HEALTH AND THAE HEALTH AND THAE HEALTH AND THAE HEALTH AND THE AND AND AND AND THAE HEALTH AND AND AND AND AND AND THAE HEALTH AND THAN THAN AND THAN AND THAE HEALTH AND THAE HEALTH AND THAE HEALTH AND THAE HEALTH AND TH

- INE SUBJECT PROMENTI AND IS BLANNET IN NATURE. DEVELOPER'S AREEMENT (COLAL CROSSINGS NORTH-PUD) RECORDED IN OFFICIAL RECORDS BOOK 6144, PAGE249, AS AFFECTED BY ASSIGNMENT, ACKNOMLEDGEMENT OF ASSIGNEE, AND ACHNOMLEDGEMENT OF MARGIN COUNTY RECORDED IN OFFICIAL RECORDS BOOK GIJS, PAGE 472.

SURVEYOR'S CERTIFICATE I HEREBY CERTIFY THIS SURVEY MEETS THE APPLICABLE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5/17.050-.052, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.



THIS SUBJECT IS NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SUBJECTOR AND MARPER

2102	ONE IS NOT COMPLETE WITHOUT THE OTHERS						(CERTIFICATE OF AUTHORIZATION NO. LB 8071)				
		REVISIONS			LOCATED IN SECTIONS 10 & 15	BLAT OF	FB/PG	FIE	ELD DATE	100.410	
2 FE	PG DATE DRAWN	REVISIÓN	CKD		LUCATED IN SECTIONS TO & TS,	PLAT OF				JUB NO.	
<u>.</u>	07/15/21 KLJ	ADD "AS SURVEYED" DESCRIPTIONS	CJH		TOWNSHIP 16 SOUTH	BOUNDARY & TOPOCRAPHIC SURVEY	21-2/59	03	/03/2021	210239TOPORADD2	
	07/27/21 CJH	REVISED PARCEL 1C	CJH	CONSULTING GROUP, INC.		DOUNDART & TOP OURATHIC SURVET					OF
21	-03 09/09/21 KLJ	ADD TOPOGRAPHY	CJH	L AND D EVELOPMENT + S URVEYING & M APPING	RANGE ZI EASI	-FOR-	DRAWING DATE	BY	APPROVED	SCALE	
prime	01/18/22 CJH	ADDRESS STAFF COMMENTS	CJH	12 F LANNING + E INVIRCINALENTAL + G.T.S. 426 SW 15TH STREET, OCALA, FLORIDA 34471		FREEDOM COMMONS DEVELOPMENT. LLC	07/01/2021	ма	CH	1" - 400'	8
ă	09/21/22 M.A.	ADD TOPOGRAPHY ALONG S.W. 85TH STREET	CJH	PHONE (352) 465-1482 FAX (888) 272-8335 www.jCHig.com CERTIFICATE OF AUTHORIZATION - 1.B. 8071	MARION COUNTY, FLORIDA			mira		1 = 400	

### 1. PARCEL ID: 35523-000-00 ADDRESS: VACANT LAND 2. PARCEL ID: 35623-000-00 ADDRESS: 4390 S.W. 80TH STREET OCALA, FL

FREEDOM COMMONS DEVELOPMENT, LLC FREST AMERICAN THE NISUANCE COMPANY GRAY, ACKERNAN AND HANNES, P.A. FOELITY LAND, LLC THIE MASTERS, LLC STEPHEN GREENE AS SUCCESSOR TRUSTEE UNDER THE 603 ACRE LAND TRUST U/T/A DATED MARCH 4, 2004

LEGEND AND ABBREVIATIONS

MORE OR LESS LB LS

0.R.B.

С.Д. С.В. (F)

(D) (P) DIP PVC CMP ROP NGVD PG(S) R/W FID CCR RLS

ICENSED BUSINESS LAND SURVEYOR OFFICIAL RECORDS BOOK CENTERLINE PADIUS

CONTENT HE AND SOLUTION ADD/CONTENT HE AND SOLUTION ADD/CONTENT AND SOLUTION ADD/CONTENT A

REGISTERED LAND SU CONCRETE MONUMENT IRON ROD AND CAP IRON ROD CHAIN LINK FENCE CATCH BASIN STORM MANHOLE

SANITARY MANHOLE SANITARY CLEANOU ELECTRIC RISER BOX CABLE TELEVISION RISER BOX TELEPHONE RISER BOX WELL WELL WATER METER WATER VALVE FIRE HYDRANT GAS LINE MARKER FLAG POLE

MAILBOX
 MAILBOX
 MAILBOX
 MARKER
 OFTIC BOX
 TRAFFIC SIGNAL POLE
 ← PEDESTRIAN CROSSWALK POLE
 UAULT - COX

X
 FINCE LINE AS NOTED
 OVERHEAD UTUTY LINE
 VIE
 APPROXIMATE TOP OF SUM
 VIE
 APPROXIMATE TOP OF SUM
 VIE
 SUM
 VIE
 SUM
 VIE
 VIE

FOUND 5/8" IRON ROD & CAP (LB 696)
 FOUND MALL & DISC (AS NOTED)
 FOUND 4\*4\* CONCRETE MONUMENT (AS NOTED)
 FOUND 4\*4\* CONCRETE MONUMENT (AS NOTED)

FOUND 1/2" IRON ROD & CAP (AS NOTED)

SET 5/8" IRON ROD & CAP (I.B. 8071)

ASPHALT PAVEMENT

FREEDOM COMMONS DEVELOPMENT LLC

### SURVEY NOTES:

PROPERTY DATA:

3

- BURYEY NOTES DATE OF FRED SUPER'S AUGUST 18, 2021. WE BASED ON THE TLANDA SINT FLAME COMMING SAMPAS AND COMMINATES SHOW HEADLINH OF IMAL ADD. SLI WHY 2011 AUUSTMOTT IS ERMED FROM THE TLANDA DEVELOPMENT OF THANGROFTATION WITHIN EFFERINGES STATION ACTIONS BASED ON THE TREMM, BAREANDAY OF MANAGENT A MARKET ALL MARKETS TOO MANAGENT AS ERMED FROM THE TLANDA DEVELOPMENT OF THANGROFTATION WITHIN EFFERINGES STATION ACTIONS MARKET ALL MARKET AUGUST 18, 2020 THAN A THAN A MARKET AND A MARKET MARKET ALL MARKET AND A MARKET AND A MARKET ALL MARKETS TOO MARKET ALL MARKET AND A MARKET AND A MARKET AND A MARKET AND A MARKET MARKET ALL MARKET AND A MARKET AND A MARKET AND A MARKET AND A MARKET MARKET ALL MARKET AND A MARKET AND A MARKET AND A MARKET AND A MARKET MARKET ALL MARKET AND A MARKET AND A MARKET AND A MARKET AND A MARKET MARKET ALL MARKET AND A MARKET AND A MARKET AND A MARKET AND A MARKET MARKET AND A MARKET MARKET AND A MARKET MARKET AND A MARKET MARKET AND A MARKET MARKET AND A MARKET MARKET AND A MARK

CERTIFIED TO

- z
- 8
- 10.
- 11 12.
- 15
- CONTY, FLORDA DU NOTI MATCH FERVOUS BORDAMY SARVEY COMPETTO BY LAMEROLE E BAND WITH BOTTMANH A WARRAK, AS AN ON STUDIAL DALLA DALLA

### NOTES CORRESPONDING TO SCHEDULE B-2 ITEMS:

ABSTRACT INFORMATION WAS ISSUED BY FIRST AMERICAN TITLE INSURANCE COMPANY, FILE NO.: 2076–5142750, ISSUMG ACENT: GRAY, ACKERNANI & HANNES, FA. ISSUMG OFFICE FILE NUMBER: 21–2022, COMMITMENT DATA WAUNARY OG, 2210 & BOO AM, THE FOLLONNYG SCHEDULE B-IT TIERSA KR. BOTDE DREATHE TO PARCEL:

- ITEM 17:
- ITEM 18-

ITEM 19:













