July 14, 2025

PROJECT NAME: MULTI-FAMILY - 37 LAUREL PASS

PROJECT NUMBER: 2025030061

APPLICATION: MINOR SITE PLAN #32644

1 DEPARTMENT: ZONE - ZONING DEPARTMENT

REVIEW ITEM: 2.12.6 - Location of water and sewer. Does this need a special use permit? Verify if in

primary springs protection zone. Will it need an enhanced septic system?

STATUS OF REVIEW: INFO

REMARKS: Within City of Belleview service area.

2 DEPARTMENT: ZONE - ZONING DEPARTMENT

REVIEW ITEM: 2.12.32 - Modified environmental assessment or exemption if information is available to the county to indicate no habitat or existence of endangered species or vegetation (Article 6, Division 5, Sec.

6.5.4)

STATUS OF REVIEW: INFO

REMARKS: Initial Review: Provide an environmental assessment consistent with LDC Div. 6.5; or provide

a brief exemption request letter consistent with LDC Sec. 6.5.3

6/23/25: Submitted and transmitted to FWC

3 DEPARTMENT: ZONE - ZONING DEPARTMENT

REVIEW ITEM: 4.4.4 - Sign (provisions for advertising signage), if it is a multi occupancy complex like

shopping centers they must submit a master sign plan.

STATUS OF REVIEW: INFO

REMARKS: Initial review: Will there be an on-site sign?

6/23/25: No sign proposed by applicant. Otherwise, separate sign permit will be required

4 DEPARTMENT: ENGIN - DEVELOPMENT REVIEW

REVIEW ITEM: 2.12.4.K - List of approved waivers, conditions, date of approval

STATUS OF REVIEW: INFO

REMARKS: 3/25/25-add waivers if requested in future

5 DEPARTMENT: DOH - ENVIRONMENTAL HEALTH

REVIEW ITEM: Additional Health comments

STATUS OF REVIEW: INFO

REMARKS: Central Sewer/Central Water

6 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION

REVIEW ITEM: 2.12.25 - Marion Friendly Landscape Areas

STATUS OF REVIEW: INFO

REMARKS: MFLA not required on this site

7 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION

REVIEW ITEM: 6.7.4 - Shade tree requirements

STATUS OF REVIEW: INFO

REMARKS: No shade tree requirement on this site

8 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION

REVIEW ITEM: 6.8.7 - Parking areas and vehicular use areas

STATUS OF REVIEW: INFO

REMARKS: due to OHE, understory trees used in terminus island

9 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION

REVIEW ITEM: 6.8.11 - Landscape installation

STATUS OF REVIEW: INFO

REMARKS: All Landscape to be installed by landscape contractors licensed by Marion County Building

Dept, or the State of Florida

10 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION

REVIEW ITEM: Additional Landscape comments

STATUS OF REVIEW: INFO

REMARKS: What is sight line triangle shown through part of terminus island?

11 DEPARTMENT: LUCURR - LAND USE CURRENT REVIEW

REVIEW ITEM: 2.12.4.L(6) - Gross/wetland/floodplain acreage listed?

STATUS OF REVIEW: INFO REMARKS: Not in flood zone.

12 DEPARTMENT: ENRAA - ACQ AGENT ENG ROW

REVIEW ITEM: Minor Site Plan STATUS OF REVIEW: INFO REMARKS: IF APPLICABLE:

Sec. 2.18.1.I - Show connections to other phases.

Sec.2.19.2.H – Legal Documents

Legal documents such as Declaration of Covenants and Restrictions, By-Laws, Articles of Incorporation, ordinances, resolutions, etc.

Sec. 6.3.1.B.1 – Required Right of Way Dedication (select as appropriate)

For Public Streets. "[All streets and rights-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.B.2 – Required Right of Way Dedication

For Non-Public Streets. "[All streets and rights-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.3 - Cross Access Easements

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.C.1 - Utility Easements (select as appropriate)

"[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." Sec. 6.3.1.C.2 – Utility Easements

"[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(c)(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 dedication 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(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]."

13 DEPARTMENT: ZONE - ZONING DEPARTMENT

REVIEW ITEM: 2.20.2.B - \$150.00 Minor Site Plan fee payable to Marion County BCC effective July 8, 2019

STATUS OF REVIEW: NO

REMARKS: Initial Review: Provide \$150.00 for Growth Services' zoning review of minor site plan. This item will remain as [NO] until paid.

6/23/25: Not paid at this time

14 DEPARTMENT: ZONE - ZONING DEPARTMENT

REVIEW ITEM: 2.12.24 - Landscape requirements, (buffering) 6.8.6

STATUS OF REVIEW: NO

REMARKS: Initial review: Show required buffer areas labeled by type and dimensions. ROW buffers are not required for Juniper or Laurel Pass because they are classified as local roads. Buffers are not required between Multiple Family uses. Type A Buffer is required adjacent to the existing/vacant commercial properties. Refer to LDC Sec. 6.8.6 for Type A standards and other land use buffer information. Applicant may request a waiver to provide modified buffers or ask for exemption.

6/23/25: Buffers included. Will there be any garbage collection areas? Outdoor AC equipment indicated. In either case, buffering/screening shall be provided per LDC Sec. 6.8.9. Please indicate.

15 DEPARTMENT: ENGTRF - TRAFFIC REVIEW

REVIEW ITEM: 6.12.12 - Sidewalks

STATUS OF REVIEW: NO

REMARKS: 6/27/25 - Sidewalk fee in-lieu-of construction requires a DRC waiver. Contact OCE Customer Service (352) 671-8686 to schedule DRC review.

4/7/25 Sidewalks are required along Laurel Pass and Juniper Rd. Staff supports a waiver for sidewalks along Laurel Pass and a waiver for fee-in-lieu of construction along Juniper Rd. If approved, waiver for fee-in-lieu of construction comes out to \$5,000.00.

16 DEPARTMENT: 911 - 911 MANAGEMENT

REVIEW ITEM: 6.2.1.F - North arrow and graphic drawing and written scale

STATUS OF REVIEW: NO

REMARKS: New Sheet TDC LE 37LP IR-01 is missing the North Arrow and Scale.

17 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION

REVIEW ITEM: 6.8.6 - Buffers STATUS OF REVIEW: NO

REMARKS: 1. Type C buffers are required along roadways (Juniper Rd and Laurel Pass), please show on plan 2. If shade trees will conflict with OHE, evergreen understory trees may be used on a 1:1 basis. 3. Pine trees in buffers and near structures are not recommended, due to issues as they mature. Please consider alternative canopy trees.



Marion County Board of County Commissioners

Office of the County Engineer

AR 32644

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

DEVELOPMENT REVIEW COMMITTEE WAIVER REQUEST FORM

	Date: 7/10/2025 Parcel Number(s): 9024-0541-0	Permit Number:32644
Α.	. PROJECT INFORMATION: Fill in below as appl	icable:
	Project Name: Quadplex- 37 Laurel Pass	Commercial Residential
	Subdivision Name (if applicable): UnitBlock541Lot1Tract_	
В.		e property owner's signature authorizes the applicant to act on the re may be obtained by email, fax, scan, a letter from the property
	Name (print):Jorge Collado	
	Signature: /ºʃ/ (/// Mailing Address: 5028 Saint Denis Ct	City:Belle Isle
	State:FL Zip Code:32812 Phone	# 407-575-8583
	Email address:colladoworldwide@gmail.com	
C.	 APPLICANT INFORMATION: The applicant will all correspondence. Firm Name (if applicable): Linn Engineering and December 1. 	l be the point of contact during this waiver process and will receive
	Mailing Address: P.O. Box 140024	City:Orlando
	State: FL Zip Code: 32814 Phone Email address: clinn@linnengineering.com	# <u>407-775-5194</u>
D.	. WAIVER INFORMATION:	0 - 1 - 0 40 40 0 1 - 0 - 1 - 0
	Section & Title of Code (be specific): Reason/Justification for Request (be specific):	
	Reason/Justification for Request (be specific):	ree in lieu of construction
	EVELOPMENT REVIEW USE: eceived By: Email 7/11/25Date Processed: 7/14/2	5 BM Project # 2025030061 AR # 32644
Z (Eligible to apply for Family Division: Yes \(\Boxed{1}\) No \(\Boxed{1}\) and Use: \(\boxed{1}\) Plat Vacation Required: Yes \(\Boxed{1}\) No \(\Boxed{1}\)

Revised 6/2021 3

LEGAL DESCRIPTION LOT 1 BLOCK 541 SILVER SPRINGS SHORES UNIT 24 ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK J, PAGE 188 OF THE PUBLIC RECORDS OF MARION COUNTY, FLORIDA.

FLOOD DISCLAIMER
BY PERFORMING A SEARCH WITH THE LOCAL GOVERNING MUNICIPALITY OR
WAVEFLAM, GOV. THE PROPERTY APPEARS TO BE LOCATED IN ZONE X. THIS
PROPERTY WAS FOUND IN MARION COUNTY UNINCORPORATED AREAS, COMMUNITY
NUMBER 12016, PANEL 0735, SUPER D, DATED 08/28/2008.

I HEREBY CERTIFY THAT I, MY SUCCESSORS, AND ASSIGNS SHALL PERPETUALLY MAINTAIN THE IMPROVEMENTS AS SHOWN ON THIS PLAN

6/16/2025 Title

UTILITY PROVIDERS

CITY OF BELLEVIEW 5525 SE 119TH ST. BELLEVIEW, FL 34420

ENGINEER:

P.O. BOX 140024

PHONE: 407-775-5194

OFFICE: 352-245-7021

LINN ENGINEERING & DESIGN

ORLANDO, FL 32814 CONTACT: CHAD S LINN, P.E.

contact@lynxsureyors.con

EMAIL: CLINN@LINNENGINEERING.COM FL LIC. NO. 57524

SURVEYOR: LYNX SURVEYING CORP. 302 LAUREL ROAD EAST UNIT 291 LAUREL, FL 34272 OFFICE 833-721-2907

OWNER/APPLICANT: IDEAL HOUSING INVESTMENTS LLC JORGE COLLADO

JORGE COLLADO

ADDRESS: 5028 SAINT DENIS CT

BELLE ISLE, FL 32812

EMAIL: COLLADOWORLDWIDE@GMAIL.COM

SITE DATA: PROJECT AREA: 0.457 AC

ZONING: R-3

FLU: UR

PROPOSE USE: MULTIFAMILY APARTMENTS 2,400 SF/FLOOR

PROJECT LOCATION

ADJACENT PROPERTIES:

NORTH-R-3- FIII-IIR EAST: B-4; FLU- COM SOUTH: ROW WEST-ROW

SITE REQUIREMENTS: MIN. LOT WIDTH: 100 FT

MIN. LOT AREA: 12,500 SF

MAX DENSITY: MAX, 16 UNITS/AC MIN. 8 UNITS/AC

BUILDING SETBACKS: FRONT (WEST)- 25 FT SIDE (NORTH, SOUTH) - 8 FT SIDE REAR (EAST)- 25 FT

LANDSCAPE BUFFFRS: FRONT (ROW)- 0 FT SIDE (R-3,ROW)- 0 FT SIDE REAR (B-4)- TYPE A 30 FT

PARKING REQUIREMENTS: 2 SPACE/ DWELLING UNIT 24 FT AISLE LENGTH; TWO WAY TRAFFIC; 90' MIN. 9FT WIDE BY 18 FT LONG PARKING SPACE

MINOR SITE PLAN **FOR**

QUAD PLEX

37 LAUREL PASS, OCALA, FLORIDA 34480

MARCH 2025

PARCEL ID# 9024-0541-01

SECTION 12, TOWNSHIP 16, RANGE 22





DRAWING INDEX

COVER PAGE C01 C02 **GENERAL NOTES** C03 EXISTING CONDITIONS AND DEMOLITION PLAN C04

C05 PAVING, GRADING AND DRAINAGE PLAN C06 UTILITY PLAN

UTILITY DETAILS C07-C09

LINN ENGINEERING & DESIGN

P.O. Box 140024, Orlando, FL 32814 Phone: 407-252-6433 • Fax: 407-392-2776 @linnengineering.com • www.LinnEngineerin Description/ITE Code

Apartment 220

Units

Daily AM Hour PM Hour AM In AM Out Pass-By PM In PM Out Pass-By

Pass-by rates from ITE Trip Generation Handbook - 2nd Edition

Pass-By AM In AM Out PM In PM Out nt Variable
24% 76% 63% 37% DU

Total Distribution of Generated Trips

ITE Trip Generation Rates - 11th Edition

ITE Vehicle Trip Generation Rates

PM

Total Generated Trips

peak hours are for peak hour of adjacent street traffic unless highlighted)

MOTE

1. ACCORDANCE WITH MATERIALS QUALITY AND WORKMANSHIP SHALL BE IN
ACCORDANCE WITH MARION CORNTY SPICERICATIONS.
2. THE POLLOWING PROPOSED & PACILITIES SHOWN ON THE BEVELLOPMENT
PLANS ARE FOR REFERENCE PURPOSES ONLY AND EACH SHALL BEQUIE
PROPOSED BUILDINGS, SANTHAY HIP ITS TATIONS, LIGHT HIXTURES POLLS)
THAT ARE INDEPENDENT FROM ANY BUILDING STRUCTURE, INSICHS, CARLS
WALLS.
3. ANY PROPOSED BOADWAY LANG CLOSHER MUST BE SUBMITTED IN
SHORT STRUCTURE, AND ALL THE CONTRACT OF THE MOST OF THE MO

I HEREBY CERTIFY THAT THESE PLANS AND CALCULATIONS WERE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS OF THE MARION COUNTY LAND DEVELOPMENT CODE (LDC), EXCEPT AS WAIVED

Know what's below. Call before you dig

BY SAT SAT SAT

SHEET COVER

Units Expected

Units

MINOR SITE PLAN- QUADPLEX
37 LÄÜREL PÄSS
OCALA, FL 34480 \mathbb{A}

> PROJECT NO SHEET NUMBER

> > C01

CALL48 HOURS BEFORE YOUDIG

IT'S THE LAW! **DIAL 811**

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

2. PROR TO THE INITIATION OF SITE CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ANY EXISTING UTILITIES INCLUDING GAS, WATER, ELECTRIC, CABLE TY, COMMINICATIONS, SANITARY SEWERS AND STORM DENHAGE SYSTEMS, ON AND / OR ADJACENT TO THE SITE. REMOVE OR CAP AS NECESSARY.

3. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED, BY THE CONTRACTOR OR SUB-CONTRACTORS, AS CALLED FOR IN THESE CONT

4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERHIT AND INSPECTION REQUIREMENTS SPECIFIED BY THE VARIOUS OFTEN HAND RESEARCH PERHIT SPECIFIC OFTEN HAND RESEARCH PERHITS PROFIT TO CONSTRUCTION, AND SCHOOLE INSPECTIONS ACCORDING TO AGENCY INSTRUCTION, AND STRUCTION, FOR QUIPEMENTS.

5. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, ON ALL PRECAST AND MANUFACTURED ITEMS, TO THE OWNER'S ENGINEER FOR APPROVAL, FALURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.

ALL UTILITY SERVICE STUB-OUTS (WATER, SANITARY SEWER, etc.)
 ARE TO BE INSTALLED WITHIN 5' OF BUILDING(S), UNLESS OTHERWISE NOTED ON PLANS.

7. CONTRACTOR TO COORDINATE WITH THE APPLICABLE ELECTRIC UTILITY SUPPLIER REGARDING ANY NECESSARY RELOCATION(S) OF UNDERGROUND AND/OR OVERHEAD ELECTRIC FACILITIES, AND FOR THE LOCATION AND INSTALLATION OF TRANSFORMER PAD(S) AND ASSOCIATED ELECTRIC FACILITIES.

8. SAFETY:

A. DURING THE CONSTRUCTION AND/OR MAINTENANCE OF THIS PROJECT, ALL SAFETY REGULATIONS ARE TO BE EMPORED. THE CONTRACTOR OF HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE CONTROL AND SAFETY OF THE TRAVELING PUBLIC AND THE SAFETY OF HIS/HET PRESONNEL.

B. LABOR SAFETY REGULATIONS SHALL CONFORM TO THE PROVISIONS SET FORTH BY OSHA IN THE FEDERAL REGISTER OF THE DEPARTMENT OF TRANSPORTATION.

D. ALL TRAFFIC CONTROL MARKINGS AND DEVICES SHALL CONFORM TO THE PROVISIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES PREPARED BY THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION.

E. ALL SUBJECT FELLORAL HEAVING ADMINISTRATION.

E. ALL SUBJECTIFICE CONTRICTIONS SHALL INSURE THAT THE

TIRENOH SAFETY AST. THE CONTRICTION SHALL INSURE THAT THE

METHOD OF TRENCH PROTECTION AND CONSTRUCTION IS IN COMPLIANCE

WITH THE COCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

REGULATIONS.

IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY AND ENFORCE ALL APPLICABLE SAFETY REGULATIONS, THE ABOVE INFORMATION HAS BEEN PROMOED FOR THE CONTRACTOR'S INFORMATION ONLY AND DOES NOT IMPLY THAT THE OWNER OR ENGINEE WILL INSPECT AND/OR ENFORCE SAFETY REQUILITIONS.

MILL INSPECT MACHINE SWEET REQUIRED FOR CONTRACTOR TO OBTAIN AN TON-SITE PIPMS PERMIT (IF REQUIRED) FOR CONSTRUCTION OF THE PROPOSED UTILITIES. THIS PERMIT WIST BE OBTAINED BY A DULY LICENSED PLUMBING CONTRACTOR (OR CLASS A GENERAL CONTRACTOR) PRIOR TO THE STATE OF CONSTRUCTION. THESE PLANS AND ANY SUBSCIDENT REVISIONS TO THESE PLANS, THAT ARE ESSUED BY THE EPICHAET, MILL DE SIRBECT TO THE APPROVAL CONTROL SO THE

10. THE GRAPHIC INFORMATION DEPICTED ON THESE PLANS HAS BEEN COMPLED TO PROPORTION BY SCALE AS ACCURATELY AS POSSIBLE. HOWEVER, DUE TO REPRODUCTIVE DISTORTION, REDUCTION, AND REPUSIONS, INFORMATION CONTAINED HEREIN IS NOT INTENDED TO BE SCALED FOR CONSTRUCTION PURPOSES.

11. ALL SPECIFICATIONS AND DOCUMENTS REFERENCED HEREIN SHALL BE OF THE LATEST REVISION.

12. ALL UNDERGROUND UTILITIES MUST BE IN-PLACE, TESTED AND INSPECTED PRIOR TO BASE AND SURFACE CONSTRUCTION.

13. WORK PERFORMED UNDER THIS CONTRACT SHALL INTERFACE SMOOTHLY WITH ANY OTHER WORK BEING PERFORMED ON SITE BY OTHER CONTRACTORS/SUBCONTRACTORS AND UTILITY COMPANIES, IT WILL BE NECESSARY FOR THE GENERAL CONTRACTOR TO COORDINATE AND SOCHDULE HIS/HER ACTIVITIES ACCORDINATE.

14. WHERE APPLICABLE UTILITY TRENCHES CROSSING PAVEMENT AREAS SHALL BE BACKFILLED WITH GRANULAR MATERIAL IN TWELVE INCH (12") LAYERS AND COMPACTED TO NINETY EIGHT PERCENT (98 %) MAXIMUM DENSTY AS DETERMINED BY AASHTO T-19 OR T-238.

15. ALL DIMENSIONS ARE TO FACE OF CURB.

16. ALL DENSITIES AT UTILITY AND STORM STRUCTURES (INJET/MANHOLES WITHIN ROADINAY TO 3' IN BACK OF CURB) SHALL BE 98% WITHIN PAVEMENT AREAS, AND A DENSITY OF 95% FOR STRUCTURES OUTSIDE PAVED AREAS PER AASHTO-180 (MODIFIED) IS REQUIRED.



1. A MINIMUM HORIZONTAL SEPARATION OF SIX FEET [TEN (10) FEET PREFERRED] OUTSIDE TO OUTSIDE SHALL BE MANTAINED BETWEEN WATER MAINS AND SANITARY GRAVITY SEWER OR SANITARY FORCE MAINS.



3. IN AREAS WHERE IT IS NOT PRACTICAL TO MAINTAIN THE REQUIRED SEPARATION, THE WATER MAIN MUST BE LAID IN A SEPARATI TENENCH OR ON AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE SANITARY GRAVITY SEWER, STORM SEWER OR RECLAIMED WATER LINE AT SUCH AN ELECTION THAT THE BOTTOM

4. IF THE MINIMUM ALLOWABLE SIX (6) FOOT HORIZONTAL SEPARATION OR SIX (6) INCHES VERTICAL SEPARATION IN A SEPARATE TRENCH CANNOT BE MAINTAINED. UPGRADE THE WATER MAIN TO DUCTILE IRON IF THE OTHER LINE IS A STORM SENER.

5. IF THE NON-CONFORMING LINE IS A GRAVITY SANTARY SEMER, AND SX (6) FOOT HORZONTAL SEPARATION OR SIX (6) INCHES VERTICAL SEPARATION IN A SEPARATE TRENCH CANNOT BE MAINTAINE, UPGRADE THE GRAVITY SANTARY SEMER (FE BEIN REW, VINSTALLED) TO AWAW C-900, D.R. 18 PVC AND HYDROSTATICALLY TEST IT TO 150 PSI.

6. IF THE OTHER LINE IS A RECLAIMED WATER LINE AND THE ABOVE SEPARATION REQUIREMENTS ARE NOT MET, UPGRADE THE RECLAIMED WATER LINE MATERIAL TO DUCTILE IRON OR ENCASED THE PIPE IN CONCRET.

 DEVIATIONS AND OTHER ALTERNATIVES SHALL BE CONSIDERED ON CASE-BY-CASE BASIS AND MUST RECEIVE SPECIFIC APPROVAL BY D.E.P. PRIOR TO IMPLEMENTATION. 8. THERE SHALL BE AT LEAST A SIX (6) FOOT SEPARATION BETWEEN WATER MAINS AND SANTARY SEWER FORCE MAINS WITHOUT EXCEPTION. FIELD PROBLEMS SHALL BE REPORTED TO THE ENGINEER. SPECIAL SOLUTIONS MUST BE ACCEPTED BY D.E.P. PRIOR TO IMPLEMENTATION.

9. NO WATER PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF A SANITARY SEWER MANHOLE OR STORM SEWER STRUCTURE.



10. A MINIMUM OF VERTICAL SEPARATION OF SIX (6) INCHES [TWELVE (12) INCHES PREFERRED] OUTSIDE TO OUTSIDE SHALL BE MAINTAINED BETWEEN WATER MAIN, SANITARY GRAVITY SEWER, STORM SEWER OR RECLAIMED WATER LINES.

SOURCE SOURCE STATEMENT OF THE PROPERTY OF THE PROPERTY OF THE STATEMENT O

ALL CROSSINGS SHALL BE ARRANGED SO THAT THE SEWER PIPE JOINTS AND THE WATER MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING (Le. PIPES CENTERED ON THE CROSSING).

11. WHEN THERE IS LESS THAN 6" VERTICAL CLEARANCE BETWEEN THE WATER MAIN AND STORM SEWER. THE WATER MAIN SHALL BE UPGRADED TO DUCTILE IRON. ONE FULL LENGTH OF PIPE SHALL BE CENTERED AT THE POINT OF CROSSING.

12. IF THE NON-CONFORMED LINE IS A SHATTARY GRAVITY SEMEN WHERE THERE IS LESS THIS SK. (6) NOSS VERTICAL CLEAPANCE FROM THE WATER MAIN, UPPOUND. THE TO 100 PS. PPE SHALL BE LOCATED SO THAT JOINTS ARE AS FAR AS POSSBLE FROM EACH OTHER.

13. IF THE OTHER LINE IS A RECLAIMED WATER LINE AND THE ABOVE MINIMUM SEPARATION IS NOT MET, UPGRADE THE RECLAIMED WATER LINE MATERIAL TO DUCTILE IRON OR BLOASE THE PIPE IN CONCRET

14. SPECIAL STRUCTURAL SUPPORT OR CONCRETE SADDLES MAY BE NECESSARY AT THE CROSSING LOCATION. 15. IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE CROSSING HAZARD. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM VERTICAL SEPARATION IS

DEVIATIONS AND OTHER ALTERNATIVES SHALL BE CONSIDERED ON CASE— BY-CASE BASIS AND MUST RECEIVE SPECIFIC APPROVAL BY D.E.P. PRIOR TO IMPLEMENTATION.

17. THERE SHALL BE A SIX (6) INCH VERTICAL SEPARATION BETWEEN WATER MAINS AND SANITARY SEMER FORCE MAINS AT CROSSINGS WITHOUT EXCEPTION. COMPLICTS WITH BUSINGLY GURS, WHERE IT IS NOT POSSIBLE TO MAINTAIN THE REQUIRED SEPARATION, SHALL BE REPORTED TO THE ENGINEER. SPECIAL SOLUTIONS MUST BE ACCEPTED BY DLE-P. PRIOR TO INPLEMENTATION.

18. ALL WATER MAINS SHALL BE INSTALLED WITH A MINIMUM OF 36 INCHES OF COVER. 19. CONTRACTOR TO INSTALL TEMPORARY BLOWOFFS, AT THE END(S) OF PROPOSED WATER MANS AND SERVICE LATERALS TO BUILDING(S), TO ASSURE ADEQUATE FLUSHING AND DISINFECTION/CHLORINATION.

20. ALL WATER MAINS SHALL BE STERILIZED IN ACCORDANCE WITH THE APPLICABLE SECTION OF THE LATEST AWAY SPECIFICATION 0651 AND MUNICIPALITY WATER DEPARTMENT SPECIFICATIONS.

21. THE LOCATION OF EXISTING UTILITIES, SUCH AS WATER MAINS, SEMEPS, CAS LIMES, ETC. AS SHOWN ON THE FEARIS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GREAT FOR THE CONVENIENCE OF THE CONTRACTOR, HOMERER, THE ENGINEER AND OWNER DO NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF THE LOCATIONS SHOWN

LOCATIONS SHOW.

2255000E T. 480-425. 4777 (SURSHEE FLOWER SHOWN TO SEE A SHOWN THE SH (EXCLUDING SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS).

TRENCH SAFETY
CONTRACTOR SHALL COMPLY WITH OSHA TRENCH SAFETY STANDARDS 29 C.F.R., S.
206.650, SUBPART P, AND ALL SUBSEQUENT REVISIONS OR UPDATES ADOPTED BY
THE COPARTMENT OF LABOR AND EMPLOYMENT SECURITY AND WITH SECTION 553.62
(CORDA STANDER)

23. WHERE APPLICABLE UTILITY TRENCHES CROSSING PAVEMENT AREAS SHALL BE BACKFILLED WITH GRANULAR MATERIAL IN TWELVE INCH (12") LAYERS AND COMPACTED TO INICITY BIGHT PERCENT (98%) MAXIMUM DENSITY AS DETERMINED BY ASSHTO T-99. 24. ALL UNSUITABLE MATERIALS UNDER WATER PIPES THAT IS UNDER PAVEMENT SHALL BE REMOVED AND REPLACED WITH SELECTED BACKFILL COMPACTED TO NINETY-EIGHT PERCENT (085) OF ITS MAXMUM DENSITY AT TWO PERCENT (2.05) MORE OR LESS OF OFTHMUM MOSTURE CONTENT AS DETERMINED BY THE MODIFED PROCTOR TEST (ASTM. D1557). ALL UNSUITABLE MATERIALS UNDER WATER PIPES THAT IS NOT UNDER PARAMENT SHALL BE REMOVED AND REPLACED WITH SELECTED BACKFULL COMPACTED TO PAYEMENT SHALL BE REMOVED AND REPLACED WITH SELECTED BROWNIE COMPACTED IT IN INTETY-FIVE PERCENT (9.5%) OF ITS MAXAMUM DENSITY AT TWO PERCENT (2.0%) MORE OR LESS OF OPTIMUM MOISTURE CONTENT AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D1557).

 $25.\ \mbox{Any Damage}$ to underground utilities and/or structures shall be repaired at the contractor's expense.

26. ALL MATERIALS AND CONSTRUCTION ARE TO BE IN ACCORDANCE WITH THE CURRENT MUNICIPALITY STANDARDS AND SPECIFICATIONS. 27. WHERE APPLICABLE, SIX INCH (6") POLYVINYL CHLORIDE SEWER LATERALS SHALL HAVE A MINIMUM SLOPE OF ONE PERCENT (1.0%).

22. FRE SENGE PER SULL SE PCLYUN, CACROSE PRESSRE PER CONFORMON TO ARMA GOO WITH DIMESSION RATO (RK) OF FOURTEEN (14) AND A MINAMAN PRESSRE. SALL SE PCLYUNCH CACROSE PRESSRE PER CONFORMON TO ARMA GOO WITH DIMESSION RATO (RK) OF FOURTEEN (15) AND A MINAMAN PRESSRE. SALL SE PCLYUNCH CACROSE PER SOURCE PER CONFORMON TO ARMA GOOD WITH DIMESSION RATO (RK) OF EXIT DIMES

29. ALL WATER PIPES WITH A DIAMETER EQUAL OR LESS THAN 4" SHALL BE AWWA C-901 POLYTUBING.

C-901 PULTIVISMO.

3. ALL WAITE PIES SHALL BE DISINFECTED AND HYDROSTATICALLY TESTED IN ACCORDANCE WITH AWAR STANDARGS 0591, 0500, OR M23 FOR POLYWAYL, CHLORIDE AND COUNTY SPECIFICATIONS. HIE CONTRACTOR SHALL PROVIDE AT IN EXPENSE, AND COUNTY SPECIFICATION SHE CONTRACTOR SHALL PROVIDE AT IN EXPENSE, AND EXCHANGE TESTING.

EXCENSION TO SHE SHALL AND LEAKAGE TESTING.

31. ALL ON-SITE WATER, SANITARY SEWER AND STORMWATER IMPROVEMENTS SHALL BE INSTALLED AND MAINTAINED BY THE OWNER IN CONFORMANCE WITH THE MUNICIPALITY STANDARDS.

32. CONTRACTOR IS TO ADJUST ANY UTILITY ELEMENT MEANT TO BE FLUSH WITH GRADE (CLEAN OUT MANHOLES, CATCH BASINS, INLETS, ETC.) THAT IS AFFECTED BY SITE WORK OR GRADE CHANGES, WHETHER SPECIFICALLY NOTED ON PILANS OR NOT. 33. ELECTRICAL, TELEPHONE, GAS AND CABLE TELEVISION SERVICE WILL BE PROVIDED BY THE APPROPRIATE UTILITY COMPANIES. THE CONTRACTOR SHALL COORDINATE LOCATIONS AND SERVICES FOR THESE UTILITIES WITH THE ENTITIES INVOLVED.

34. ALL UTILITIES CONSTRUCTION CONNECTING TO THE MUNICIPALITY SYSTEM SHALL CONFORM TO THE MUNICIPALITY MANUAL OF STANDARDS AND SPECIFICATIONS FOR WASTEWATER AND WATER MAIN CONSTRUCTION.

THE CONTRACTOR SHALL NOTIFY THE MUNICIPALITY PUBLIC UTILITIES CONSTRUCTION DEPARTMENT 48 HOURS PRIOR TO ANY UTILITIES CONSTRUCTION.

36. ALL ABOVE GROUND EQUIPMENT NOT MOUNTED ON THE BUILDING MUST BE PAINTED BLACK AND SCREENED WITH LANDSCAPE, EXCEPT BACKFLOW PREVENTORS ARE TO BE COMPLETELY PAINTED THE COLOR OF THE CORRESPONDING UTILITY. POTABLE WATER IS BLUE, RECLAMMED WATER IS PURPLE, AND FIRE IS RED.

37. WHERE APPLICABLE UTILITY TRENCHES CROSSING PAVEMENT AREAS SHALL BE BACKFILLED WITH GRANULAR MATERIAL IN THIELVE INCH (12") LAYERS AND COMPACIED TO MENTY EIGHT PERCENT (98K) MAXIMUM DENSITY AS DETERMINED BY ASSHIO T—99.

38. ALL UNSUITABLE MATERIALS UNDER WATER PIPES SHALL BE REMOVED AND REPLACED WITH SELECTED BACKFILL COMPACTED TO INNETY-FIVE PERCENT (95%) OF ITS MAXIMUM DENSITY AT TWO PERCENT (2.07) MORE OR LESS OF OPTIMUM MOISTURE CONTENT AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D1557). 39. CONTRACTOR IS TO ADJUST ANY UTILITY ELEMENT MEANT TO BE FLUSH WITH GRADE (CLEAN OUT MANHOLES, CATCH BASINS, INLETS, ETC.) THAT IS AFFECTED BY SITE WORK OR GRADE CHANGES, WHETHER SPECIFICALLY NOTED ON PLANS OR NOT.

40. A SIGN SHALL BE PLACED AT IRRIGATED AREAS WITH THE WORDS "IRRIGATION BY REUSE WATER. DO NOT DRINK".

41. CONTRACTOR SHALL NOTIFY THE MUNICIPALITY PUBLIC UTILITIES CONSTRUCTION DEPARTMENT 48 HOURS PRIOR TO ANY UTILITIES CONSTRUCTION.

TESTING AND INSPECTION REQUIREMENTS (WATER):

1. ALL COMPONENTS OF THE WATER SYSTEM, INCLUDING FITTINGS, HYDRANTS, CONNECTIONS, AND VALVES SHALL REMAN UNCOVERED UNTE, PROTERTY PRESSURE ACCORDANCE WITH MARRION COUNTY, LABOR DEVELOPMENT CODE UTILIZES DEPARTMENT SPECIFICATIONS. CONTRACTOR TO NOTEY THE OWNER'S ENGINEER AND APPLICABLE ARROTY INSPECTIONS 44 HOURS IN A OWNARCE OF PERFORMENT ESTS.

CONTRACTOR TO PERFORM CHLORINATION AND BACTERIOLOGICAL SAMPLING, AS OBTAIN CLEARANCE OF DOMESTIC AND FIRE LINE WATER SYSTEM(S). COPIES OF ALL BACTERIOLOGICAL TEST RESULTS ARE TO BE SUBMITTED TO THE OWNER'S ENGINEER FOR CERTIFICATION PURPOSES.

AS-BUILT INFORMATION: AS-BUILT DRAWINGS WILL BE REQUIRED WITH THE FOLLOWING INFORMATION:

WATER STSTEM

1. ACTUAL LENGTHS OF PIPE BETWEEN BRANCHES AND VALUES IN THE RUN.

2. LOCATE WITH MEASUREMENTS FROM PERMANDER WAS USUED GREETS ALL
PITTINGLE COCCESSIONERS. FROM THE SURFACE MEMBER THE DOTT THES.)

HORARITS. THE EIGHTHS OF THE LIKES AT ALL VALUES, THINNES AND PIRE
HORARITS.

PAVING AND GRADING NOTES:

CATION, NOW, MODIFIED THE ATTEMPT AND THE MATERIAL (I.E. MUCK, PEAT, BURED DEBRIS, ALL DELETEROUS SUBJEMPACE MATERIAL (I.E. MUCK, PEAT, BURED DEBRIS, S). S TO BE EXCAVATED AND REPLACED WITH SUTHABLE/COMPACTED SOLS, AS COUNTED BY THE OWNER, ME OWNERS, NOW HOWERS, NOW THE SOLS THAT SUBJEMPACE AND THE OWNER, DECAMATED AREA ARE TO BE BACKFLIED WITH PROPER MATERIALS, AND COMPACTED AS SPORMO ON THESE PAISS, CONTRACTOR SESPONDED FOR ACCURACY ANY PERMITS THAT ARE NECESSARY FOR REMOVING PERSONSHIPS THAT ARE NECESSARY FOR PERSONSHIPS THAT ARE NECESSARY FOR PERSONSHIPS THAT ARE NECESSARY FOR PERSONSHIPS THAT PERSONSHIPS THAT ARE NECESSARY FOR PERSONSHIPS THAT ARE NECESSARY FOR PERSONSHIPS THAT ARE NECESSARY FOR PERSONSHIPS THAT THE NECESSARY FOR THE NECESSARY FOR THE NECESSARY FOR THE NECESSARY FOR THE NECESSARY FO

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS
AGAINST COLLAPSE AND WILL PROVIDE BRACING, SHEETING OR SHORING AS
NECESSARY, DEWITERING WEITHOOS SHALL BE USED AS REQUIRED TO KEEP
TRENCHES DRY WHILE PIPE AND APPURTENANCES ARE BEING PLACED.

3. ALL NECESSARY FILL AND EMBANKHENT THAT IS PLACED DURING CONSTRUCTION SHALL CONSIST OF MATERIAL SPECIFIED BY THE CONMERC'S SOLLS TESTING COMPANY OR ENGINEER AND BE PLACED AND COMPACTED ACCORDING TO THESE PLANS.

PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADES, UNLESS OTHERWISE NOTED.

5. IT MAY BE NECESSARY TO FIELD ADJUST PAVEMENT ELEVATIONS TO PRESERVE THE ROOT SYSTEMS OF TREES SHOWN TO BE SAVED, CONTRACTOR TO COORDINATE WITH OWNER'S ENGINEER PRIOR TO ANY ELEVATION CHANGES.

CONTRACTOR SHALL TRIM, TACK AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT.

7. CURBING SHALL BE PLACED AT THE EDGES OF ALL PAVEMENT, UNLESS OTHERWISE NOTED, REFER TO THE LATEST EDITION OF F.D.O.T. "POADWAY AND TRAFFIC DESION STANDARDS" FOR DETAILS AND SPECIFICATIONS OF ALL F.D.O.T. THEE CURB AND GUTTERS CALLED FOR IN THESE PLANS.

PRIOR TO CONSTRUCTING CONCRETE PAVEMENT, THE CONTRACTOR IS TO SUBMIT A PROPOSED JOINTING PATTERN TO THE SOILS ENGINEER FOR APPROVAL

10. ALL PAVEMENT MARKINGS SHALL BE MADE IN ACCORDANCE WITH F.D.O.T. STANDARD INDEX ∯17346.

11. THE CONTRACTOR MILL STABILIZE BY SEED AND MULCH, SOD, OR OTHER APPROVED MATERIALS ANY DISTURBED AREAS WITHIN ONE WEEK FOLLOWING CONSTRUCTION OF THE UTILITY SYSTEMS AND PAREMENT AREAS, CONTROL OF THE UTILITY SYSTEMS AND PAREMENT AREAS, CONTROL OF THE UTILITY SYSTEMS AND PAREMENT AREAS, CONTROL OF THE UTILITY SYSTEMS AND PAREMENT AREAS OF THE UTILITY OF THE UTIL

 THE CONTRACTOR SHALL RESTORE OFF-SITE CONSTRUCTION AREAS TO EQUAL ID/OR BETTER CONDITION THAN EXISTING PRIOR TO START OF CONSTRUCTION. 13. UNLESS OTHERWISE NOTED, GRADE TO MEET EXISTING ELEVATION AT PROPERTY LINES.

14. SURVEY MONUMENTS OR BENCHMARKS, WHICH HAVE TO BE DISTURBED BY THIS WORK, SHALL BE REPLACED UPON COMPLETION OF WORK BY A REGISTERED LAND SURVEYURE.

15. FINAL GRADES SHOWN INCLUDE SOO HEIGHT, ALL AREAS SHALL BE GRADED TO DRAIN AWAY FROM THE BUILDINGS.

 CONTRACTOR TO PREPARE AND SUBMIT SIGNED AND SEALED AS-BUILT DRAWINGS TO COUNTY STAFF PRIOR TO PROJECT CLOSE-OUT. REFER TO THE FDOT DESIGN STANDARDS FOR THE MANUFACTURE AND CONSTRUCTION OF REINFORCED CONCRETE PIPE AND CONCRETE DRAINAGE STRUCTURES.

TESTING AND INSPECTION REQUIREMENTS (PAVING/GRADING):

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING APPLICABLE TESTING WITH THE SOILS ENGINEER. TESTS WILL BE REQUIRED PURSUANT WITH THE SOILS REPORT. UPON COMPLETION OF MORK THE SOILS ENGINEER WILL SUBMIT CERTIFICATIONS TO THE OWNER AND OWNER'S ENGINEER STATING THAT ALL REQUIREMENTS HAVE BEEN MET.

2. A QUALIFED TESTING LABORATORY SHALL PERFORM ALL TESTING NECESSARY TO ASSURE COMPLIANCE OF THE IN-PLACE MATERIALS AS REQUIRED BY THESE PLANS, THE VAROOUS ACENCES AND PERMIT CONDITIONS. SHOULD MAY RETESTING BE REQUIRED DUE TO THE FAILURE OF ANY TESTS TO MEET THE REQUIREMENTS, THE CONTRACTOR MILL BEAR ALL COSTS OF SAID RETESTING.

THIS PLAN HAS BEEN PREPARED TO ENSURE COMPLIANCE WITH APPROPRIATE CONDITIONS OF FLORIDA DEPARTMENT OF DEVIRONMENTAL PROTECTION (COPP), MUNICIPALITY LAND DEVELOPMENT REGULATORS AND ST. JOHNS BURE WATER MANAGEMENT DISTRICT (S.RYMMD). THE PLAN ADDRESSES THE FOLLOWING AREA TO STATE THE PLAN ADDRESSES THE FOLLOWING ADDRES

GENERAL EROSION CONTROL.
 PROTECTION OF SURFACE WATER QUALITY DURING AND AFTER CONSTRUCTION.
 CONTROL OF WIND EROSION.

THE VARIOUS TECHNIQUES OR ACTIONS IDENTIFIED UNDER EACH SECTION INDOCATE THE APPROPRIATE STILLATION WHEN THE TECHNIQUES SHOULD BE ADMINISTRATED THE APPROPRIATE STILLATION WHEN THE TECHNIQUES SHOULD BE ADMINISTRATED THE ADMINISTRATED THE APPROVINGE FOR APPROVINGE AND ENGINE CONTRACTOR SHALL PROVINGE POLICIA PROVINCE AND ENGINE AND ENGINE AND ENGINE AND ENGINE AND ENGINE APPLICATION FOR THE APPLICATION AND AND AS INCESSARY FOR EACH SECTION APPLICATION AND AND ASS INCESSARY FOR EACH SECTION APPLICATION AND AND ASS INCESSARY FOR EACH SECTION APPLICATION AND AND ASS INCESSARY FOR EACH SECTION APPLICATION AND ASSESSARY FOR EACH SECTION APPLICATION APPLICATI SECTION 1 GENERAL EROSION CONTROL:

1.1 GENERAL EROSION CONTROL BEST MANAGEMENT PRACTICES SHALL BE EMPLOYED TO MINIUZE SOLL EROSION AND POTENTIAL POND SLOPE CAVE-INS. WHILE THE VARIOUS TECHNIQUES REQUIRED WILL BE SITE AND PLAN SPECPEC, THEY SHOULD BE EMPLOYED AS SOON AS POSSIBLE DURING CONSTRUCTION ACTIVITIES.

1.2 SLOPES OF BANKS OF RETENTION/DETENTION PONDS SHALL BE CONSTRUCTED NOT STEEPER THAN 5H:1V FROM TOP OF BANK TO TWO FEET BELOW THE CONTROL ELEVATION.

1.3 SOD SHALL BE PLACED FOR A MIN. 2-FOOT WIDE STRIP ADJOINING ALL CURBING AND AROUND ALL INLETS SOD SHALL BE PLACED BEFORE SILT BARRIERS ARE REMOVED. 1.4 CLEARED STE DEVELOPMENT AREAS NOT CONTINUALLY SCHEDULED FOR CONSTRUCTION ACTIVITIES SHALL BE COVERED WITH HAY OR OVER SEEDED AND PERCOLCALLY WATERED SUFFICIENTLY TO STABILIZE THE TEMPORARY GROUNDCOVER.

SECTION 2 PROTECTION OF SURFACE WATER QUALITY DURING AND AFTER CONSTRUCTION:

2.3 EROSION CONTROL MEASURES SHALL BE EMPLOYED TO MINIMIZE TURBIDITY OF SURFACE WATERS LOCATED DOWNSTREAM OF ANY CONSTRUCTION ACTIVITY. WHILE THE VARBIOUS MEASURES REQUIRED WILL BE SITE SPECIFIC, THEY SHALL BE EMPLOYED AS NEEDED IN ACCORDANCE WITH THE FOLLOWING.

PRACTICAL MONEYAL BROOM SHALL BE CONTROLLED AT THE FURTHEST PRACTICAL SOSTINGTION ASSISTS SHALL BE PROTECTED DURING CONSTRUCTION AS SHOWN ON THIS SHEET, PROTECTION MEASURES SHALL BE DIFFUOYED CONSTRUCTION. SILT BARRIERS SHALL BE EMPLOYED CONSTRUCTION. SILT BARRIERS SHALL REMAIN IN PLACE UNTIL SODING AROUND INLETS IS COMPLETE.

2.4 HEATY CONSTRUCTION EQUIPMENT PARKING AND MAINTENANCE AREAS SHALL BE DESIGNED TO PREVENT OIL, OREASE, AND LUBRICANTS FROM ENTERON STEED ANALONE EXTRUSES AND LUBRICANTS TROM PROPERTY COLLECTION OF STEED ANALONE EXTRUSIVE COLLING STORMART COLLECTION AND ANALONE STEED ANALONE EXTRUSIVE COLLING STEED ANALONE AND SERVICE TO SAFE WITHIN STORMART CONTRACTORS SHALL HAVE ANALONE. AND SHALL USE, ASSORBERT FILTER PAGE TO LICEN UP SPILLS AS SOON AS POSSEED ATTRUST COUNTRACTORS SHALL HAVE ANALONE. AND SHALL USE, ASSORBERT FILTER PAGE TO LICEN UP SPILLS AS SOON AS POSSEED ATTRUST COUNTRACTOR.

2.5 SILT BARRIERS, ANY SILT WHICH ACCUMULATES BEHIND THE BARRIERS, AND ANY FILL USED TO ANCHOR THE BARRIERS SHALL BE REMOVED PROMPTLY AFTER THE END OF THE MAINTENANCE PERIOD SPECIFIED FOR 1

2.6 WHERE REQUIRED TO PREVENT EROSION FROM SHEET FLOW ACROSS BARE GROUND FROM ENTERING A LAKE OR SWALE, A TEMPORARY SEDILING SUMP SHALL BE CONSTRUCTED. THE TEMPORARY SEDILING SHAWE SHALL REMAIN IN PLACE UNTIL VECETATION IS ESTABLISHED ON THE GROUND DRANING TO THE SUMP.

2.7 ALL PAINT(S) AND OTHER HAZARDOUS MATERIALS SHALL BE CONTAINED WITHIN A SINGLE ON-SITE AREA WITHIN SEALED CONTAINERS. 2.8 INSPECTION AND MAINTENANCE PROCEDURES FOR CONTROL MEASURES IDENTIFIED IN THE PLAN:

WITHIN 24 HOURS OF PROVIDE AN ON-SITE RAIN GAUGE PROVIDED RESISTING CONTROL RECORDING OF RAIN EXPENSION FOR PROVIDED RESISTING CONTROL RECORDING OF RAIN EXPENSION FOR PROVIDED RESISTING CONTROL RESISTING CONTROL RESISTING CONTROL RESISTING FOR PROVIDED RESISTING FOR PROVIDED RESISTING FOR PROVIDED RESISTANCE OR PROVIDED RESISTANCE PROVIDED RESISTANCE PROVIDED RESISTANCE PROVIDED RESISTANCE PROVIDED RESISTANCE

2.9 ALL WATER RUNOFF RESULTING FROM SOURCES OTHER THAN RAINFALL EVENTS (I.E. BLOW-OFF FROM HYDRO-STATIC TESTING, PROCESS WATER FROM HYDRO-WASHOUND, ELD, SHALL BE DIGITED TOWNERS THE CH-SITE CONDITION, SO THAT IT HAS NO ADVERSE MPACTS TO DOWNSTREAM WATER QUALITY CONDITIONS.

SECTION 3 CONTROL OF WIND EROSION:

CLEARING AND SITE PREPARATION NOTES:

3.1 WIND EROSION SHALL BE CONTROLLED BY EMPLOYING THE FOLLOWING METHODS AS NECESSARY AND APPROPRIATE:

A. BARE EARTH AREAS SHALL BE WATERED DURING CONSTRUCTION AS NECESSARY TO MINIMIZE THE TRANSPORT OF FUSITIVE DUST. IT MAY BE NECESSARY TO LIMIT CONSTRUCTION VEHICLE SPEED IF BARE EARTH HAS NOT BEEN EFFECTIVELY WATERED. IN NO CASE SHALL FUGITIVE DUST BE ALLORED TO LEAVE THE SITE UNDER CONSTRUCTION.

B. AS SOON AS PRACTICAL AFTER COMPLETION OF CONSTRUCTION, BARE EARTH AREAS SHALL BE VEGETATED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE EROSITION CONTRIOL DEVICES, AS SHOWN ON THE CONSTRUCTION PLANS, PRICE TO ANY SITE CLEARING AND/OR DEMOLITION, REFER TO THE "EROSION CONTROL NOTES" SECTION CONTAINED HEREIN FOR ADDITIONAL RECURREMENT.

2. PRIOR TO ANY SITE CLEARING, ALL TREES SHOWN TO REMAIN, AS INDICATED ON THE CONSTRUCTION PLANS, SHALL BE PROTECTED IN ACCORDANCE WITH LOCAL TREE ORDINANCES, AND DETAILS CONTAINED IN THESE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THESE TIRES IN GOOD CONDITION. NO TREE(S) SHOWN TO REMAIN SHALL BE REMOVED WITHOUT WRITTEN APPROVAL FROM THE OWNER AND THE LOCAL AGENCY HAVING JURISDICTION OVER THESE ACTIVITIES.

3. THE CONTRACTOR SHALL CLEAR AND GRUB ONLY THOSE AUDITURED THE SITE NECESSARY FOR CONSTRUCTION. AUDITURED AREAS MUST BE SEEDED, MULCHED, SOODED OR PLANTED WITH OTHER APPROVED LANDSCAPE MATERIAL, IMMEDIATELY CALDIWING CONSTRUCTION.

A, THE TOP 4" TO 8" OF GROUND REMOVED DURING CLEARING AND GRUBBING ACTIVITIES SHALL BE STOCKPIED, TO BE USED FOR COMMON FROM THE SHALL BE STOCKPIED, TO BE USED FOR COMMON FROM THE SHALL BE STOCKPIED, TO BE USED FOR COMMON FROM THE SHALL BE USED TO BE US

DIRECTED BY THE OWNER OR OWNER'S ENGINEER, OR REMOVED FROM THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING ANY EXCESS MATERIAL FROM THE SITE.

5. ALL EXISTING DEBRIS (ABOVE OR BELOW GROUND), CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL SHALL BE DISPOSED OF OFF—SITE BY THE CONTRACTOR, IN ACCORDANCE WITH APPLICABLE REGULATORY AGENCY REQUIREMENTS. 6. THE CONTRACTOR IS TO PREPARE THE SITE IN ACCORDANCE WITH THE SOILS REPORT, COPIES OF WHICH ARE AVAILABLE THROUGH THE OWNER OR SOILS TESTING COMPANY DIRECTLY.

7. CONTRACTOR TO BE RESPONSIBLE FOR INSTALLATION OF TEMPORARY CONSTRUCTION FENCE. TYPE OF FENCE TO BE SUBMITTED BY CONTRACTOR TO ENGINEER FOR APPROVAL. CONTRACTOR SHALL MAINTAIN STORMWATER MANAGEMENT SYSTEM TO INSURE NO DAMAGE TO ADJACENT PROPERTIES OCCURS DURING STORM EVENTS.

9. DISTURBED AREA(S) WITHIN THE ROW WILL COMPACTED TO 98% OF MAXIMUM DENSITY AND SODDED.

10. DO NOT DISTRUB EXISTING UNDERDRAIN OR STORM SYSTEMS. 11. NO STOCKPILING OF MATERIAL IN ROADWAY OR ON SIDEWALK;

13. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT LATERAL MOVEMENT, UNDERTWINING, WASHOUT AND OTHER HAZARDS CREATED BY THE DEMOLITION OPERATION.

14. REMOVE WASTE MATERIALS AND UNSUITABLE AND EXCESS TOPSOIL FROM PROPERTY AND DISPOSE OF OFF SITE IN A LEGAL MANNER.

15. DURNIG PREPARATION OF THE SUB GRADE AND UNTIL THE PANNIG IS IN PLACE, THE CONTRACTOR SHALL PROMPTLY TAKE REASONABLE MEASURES TO GOTORAN AND MARKINHA A DRY STE CONDITION. SUCH MEASURES SHALL INCLUDE PUMPHIG OF FREE SUFFACE WATER, MINOR HAND AND/OR MACHINE SHAPING OF FACULTIFIE MATER REMOVAL, AND OTHER OPERATIONS TO SPECIO

INTERIOR.

6. ALL DELETRIOUS SUBSURFACE MATERIAL (LE MIDC, FRAT, BARBO DERRE, TICL) IS TO BE DECLAVATED AND REPLACED. THE CONTROL AND REPLACED FOR THE CONTROL AND REPLACED FOR THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL AND REPLACED FOR THE CONTROL AND REPLACED FO

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND WILL PROVIDE BRACHIG, SHETING OF SHORING AS NECESSARY. DEWATERING METHODS SHALL BE USED AS REQUIRED TO KEEP TRENCHES DRY WHILE PIPE AND APPURTEMANCES ARE BEING PLACED.

PIEL AND APPLICAMENTS AND BEING PLACED.

B. THE CONTRACTOR MILL STRAUZE BY SEED AND MILCH, SOO, OR OTHER APPROVED MATERIAS MAY INSTRUBBED AREAS WITHIN ONE WEEK POLICIONING CONSTRUCTION OF THE UTILITY SYSTEMS AND PARKENT AREAS, CONTRACTOR SHALL MAINTAIN SUCH AREAS UNIT, INNIAL ACCEPTANCE BY OWNER, CONTRACTOR TO COORDINATE WITH OWNER RECARDING TIPE OF MATERIAL, LANDSCAPING AND RIRGATION REQUIREMENTS.

EROSION AND SILTATION CONTROL:

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2 BOTCOME AND STRINGLINE FOR-STEED SC STOCKERS.

ILL MATERIA, SCOOPERS SHALL BE PROTECTION AT ALL MISS BY ON-SITE BRAINAGE CONTROLS WHICH PREVIOUS FROSON OF THE PROTECTION AT STRONGHED MATERIAL CONTROL OF DUST FROM SHOT STOCKERS.

MAY BE RESUMED, OPPOLIED DUST FROM SHOT STOCKERS AND STRINGLINE FOR THE PROTECTION OF T

3. PROTECTION OF EXISTING STORM SEWER SYSTEMS: DURNING CONSTRUCTION, ALL STORM SEWER RILETS IN THE WORNING OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAFS SUCH AS SECURED HAY BALES, SOD, STONE, ETC., WHICH SHALL BE MAINTAINED AND MOORPED AS REQUIRED BY CONSTRUCTION PROCRESS, AND WHICH MUST BE APPROVED BY THE ENGINEER BEFORE INSTALLATION.

SEDIMENT BASINS AND TRAPS, SEDIMENT TRAPPING MEASURES: PERIMETER BERMS, SEDIMENT BARRIERS, VEGETATIVE BUFFERS AND

ALL SWALES, DITCHES AND CHANNELS: CHANNELS LEADING FROM THE SITE SHALL BE SODDED WITH ARGENTINE BAHIA WITHIN THREE (3) DAYS OF EXCAVATION.

DONE IN ACCURANCE WIN THE POLLOWING STANDARDS:

A. NO USED THAN SOO LINEAR FEET OF TRENCH SHALL BE
OPEN AT ANY ONE THE:
B. WHEREOR CONSISTENT WITH SAFETY AND SPACE
CONSIDERATION, EXCANATED MATERIA, SHALL BE CAST TO THE
UPHEL SEE OF TRENCHES. TRENCH MATERIA, SHALL NOT BE CAST
INTO OR ONTO THE SLOPE OF ANY STREAM, CHANNEL, ROAD, DITCH
OR WAITERWAY.

7. ALL EROSION AND SILTATION CONTROL DEVICES SHALL BE CHECKED REGULARLY, ESPECIALLY AFTER EACH RAINFALL AND WILL BE CLEANED OUT AND/OR REPAIRED AS REQUIRED.

8. STAKED HAY BALES WILL NOT BE UTILIZED FOR EROSION, SEDIMENT AND TURBIDITY CONTROL. DEWATERING NOTES: DEMOCRACION. NOLLO DE TRE STORMANTER PONOS, THE
DIMONO THE EXCENTION OF THE STORMANTER PONOS, THE
DEMOCRACIO PONOS DEMOCRACION DE SEDEMANTER SANS CON EL
DESCAMACE PONIT FOR DEMOCRACIO, THE SEDEMANT BASIN CON EL

LIN THE PROPOSED DECAMATON ALOY OF A PONO OR TI CAMHELD IN 17th SEDEMANT AND LIVIL THE WATER IS CLEAN SUON
THAT THERE MOLICE HE NO TURBOD DEMOCRACIO. ATTER THE MATTER
HATO THE ON-STILL PROP PROMEDO THERE IS NO ADVERSE MEACT
TO THE COSTSTORM CARRY GLADATION.

2. UNDER NO CIRCUMSTANCES WILL THE DISCHARGE FROM THE DEWATERING BE DIRECTLY INTO THE CANAL.

3. DURING THE EXCAVATION THE CONTRACTOR SHALL NOT PENETRATE THE EXISTING CLAY LAYER. IF THE CONTRACTOR

AF CONTRACTOR BOCOLITEES SATY/LAY SAND, WHICH CAUSE THE MATER TO RECORD HIRBOR, MY FAR SHALL TREAT THE SEDIMENT BASIN WITH CHEMICA ADDITIVE SHOT AS ALLIAN IN GROOT TO PROMOTE THE COLONIZATION OF THE PARTICLES WHICH ALLOW TURBOR WATER ENCOUNTERED DURBOR DECAMBING OF THE PROMOSE THE CONTRACTOR SHALL HOTH THE ENDERED OF RECORD AS APPROPRIATE TO CLIMANATE THE TURBOTY AND ALLOW DISCHARGE HAT MEET WATER COLITY STANDARD.

5. THE CONTRACTOR SHALL SEQUENCE THE EXCAVATION OF THE STORMMATER PONDS SUCH THAT A SCIDMENT BASIN MILL BE CANALAS AND ASSESSION OF THE STORMMATER PONDS SUCH THAT A SCIENCE THE SAME OF THE STORMS TH

EROSION CONTROL NOTES:

PROSENT CONTROL NOTES:

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REALTED TRAVETS OF THE STREET, STREE

2. THE CONTRACTOR SHALL LIMIT THE DISCHARGE OF TURBID WATERS OFF—SITE, OR INTO ON—SITE/OFF—SITE WEITLANDS (IF APPLICABLE), TO NO MORE THAN SO JUT'S (LOCKSON TURBIDITY UNITS) OR 29 NTU'S (INEPHELOMETRIC TURBIDITY UNITS), ABOVE BACKGROUND LEVELS.

IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION THE CONTRACTOR SHALL STABILIZE THE AFFECTED AREA USING SPRINKLING, IRRIGATION OR OTHER ACCEPTABLE METHODS.

CONTRACTOR SHALL INSPECT AND MAINTAIN ON A DAILY BASIS ALL EROSION/SEDIMENTATION CONTROL FACILITIES.

PENEIRATE THE CLAY LAYER, HE/SHE IS TO PLACE A MINIMUM OF ENCOUNTERS THE CLAY LAYER, HE/SHE IS TO PLACE A MINIMUM OF 2 FEET OF SANDY MATERIAL OVER THE CLAY AND TERMINATE THE DEPTH OF THE EXCAVATION.

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ENGINEER: CHAD S. LINN, F A REGISTRATION 57524 BY SAT SAT SY CSL

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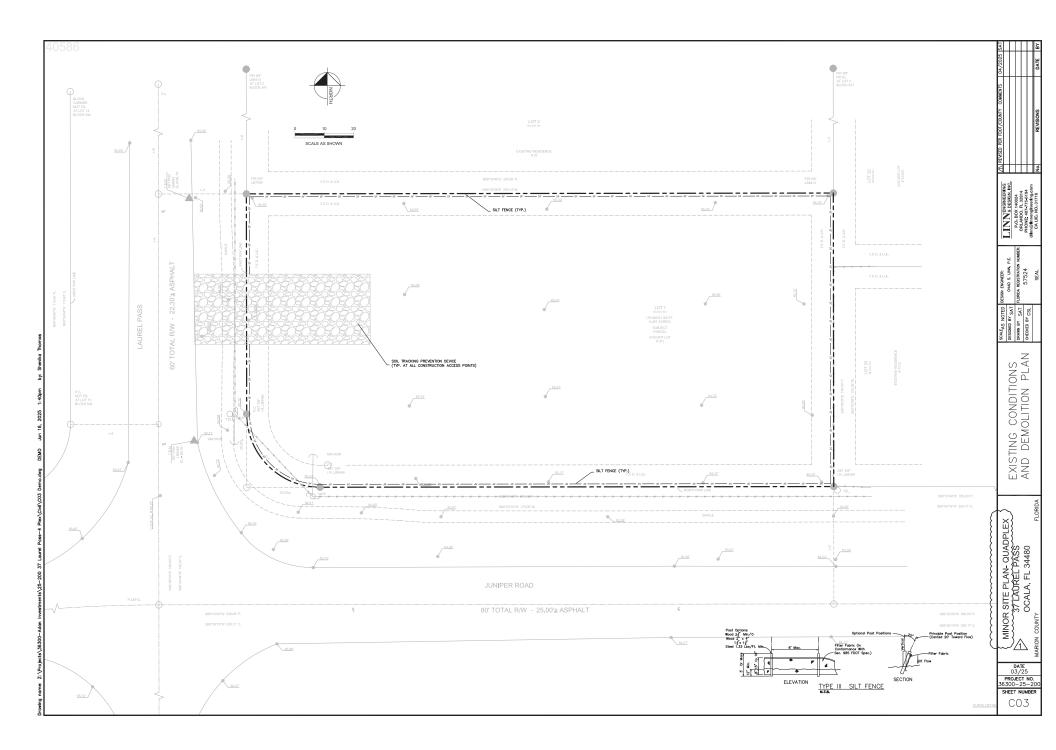
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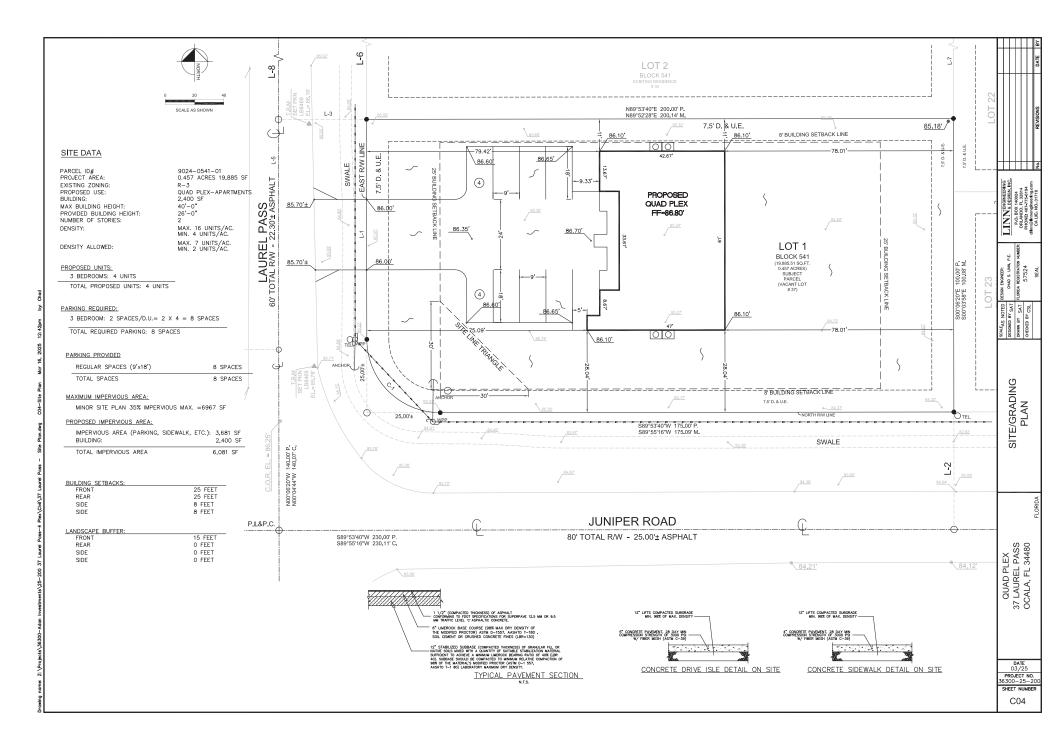
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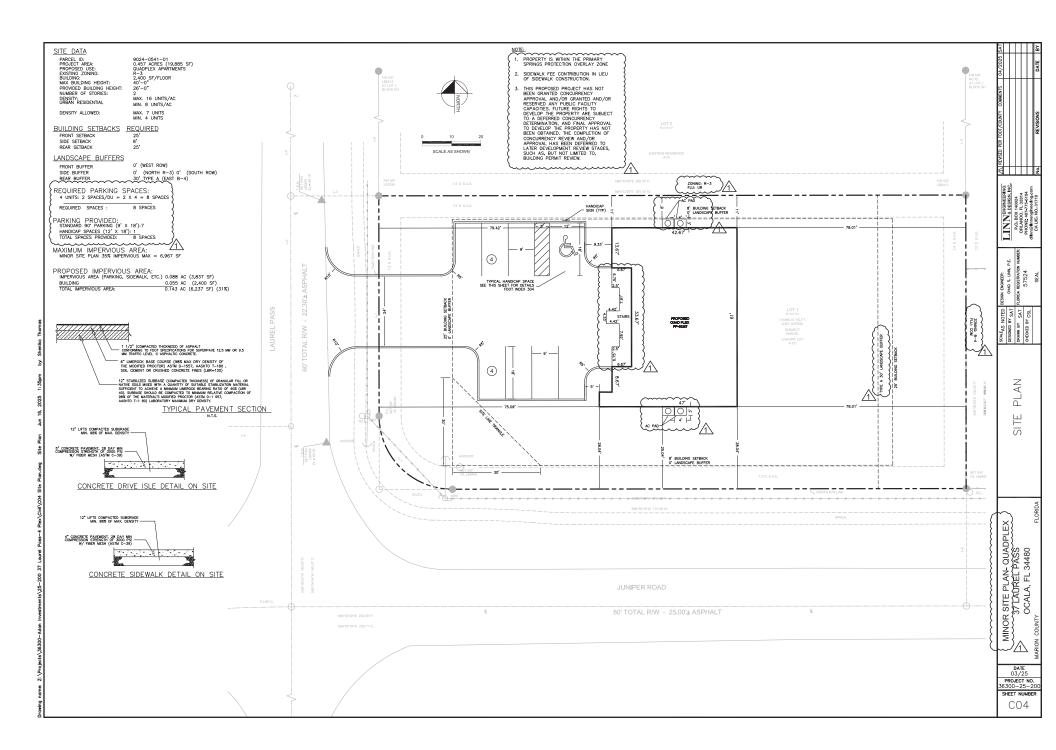
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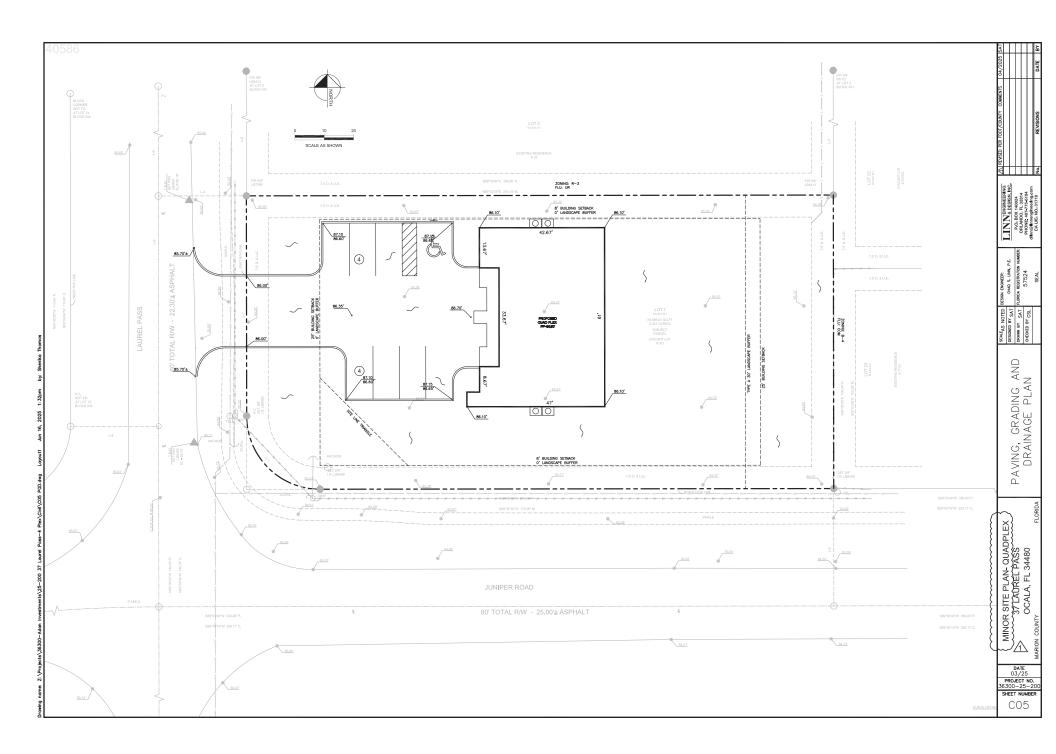
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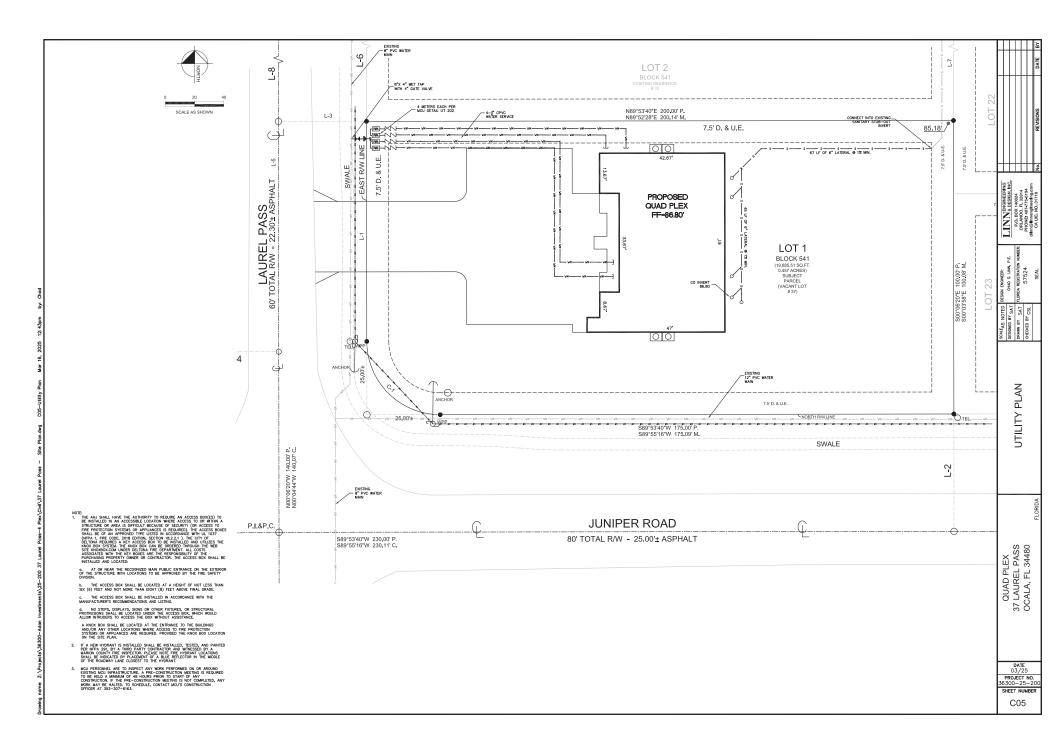
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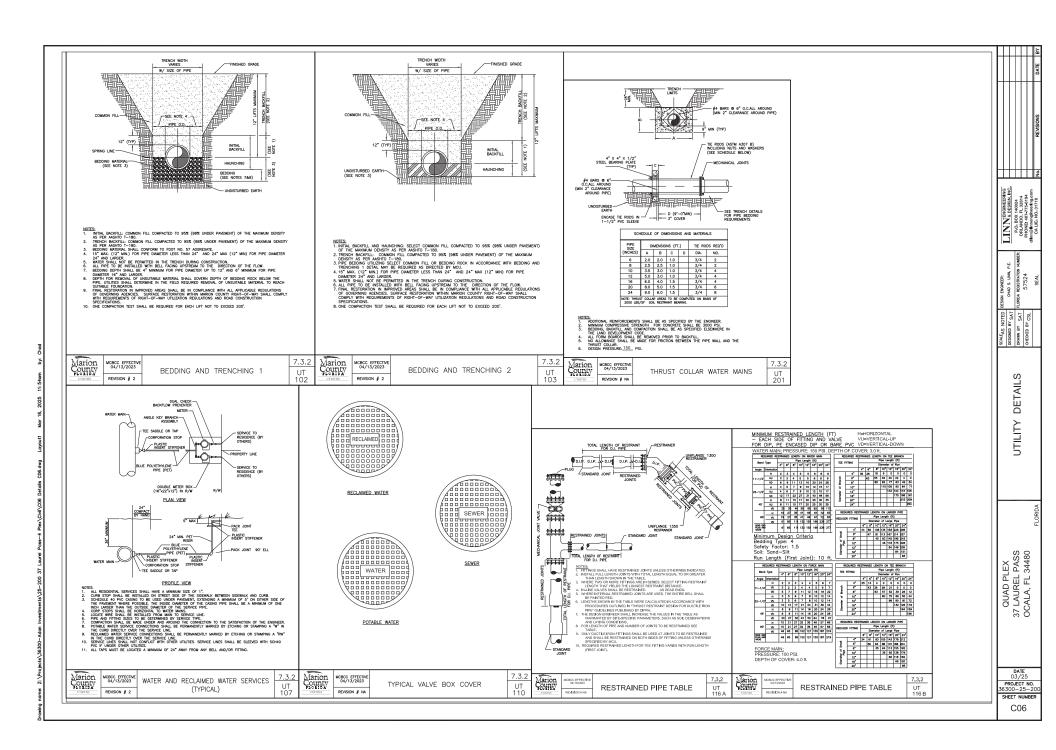


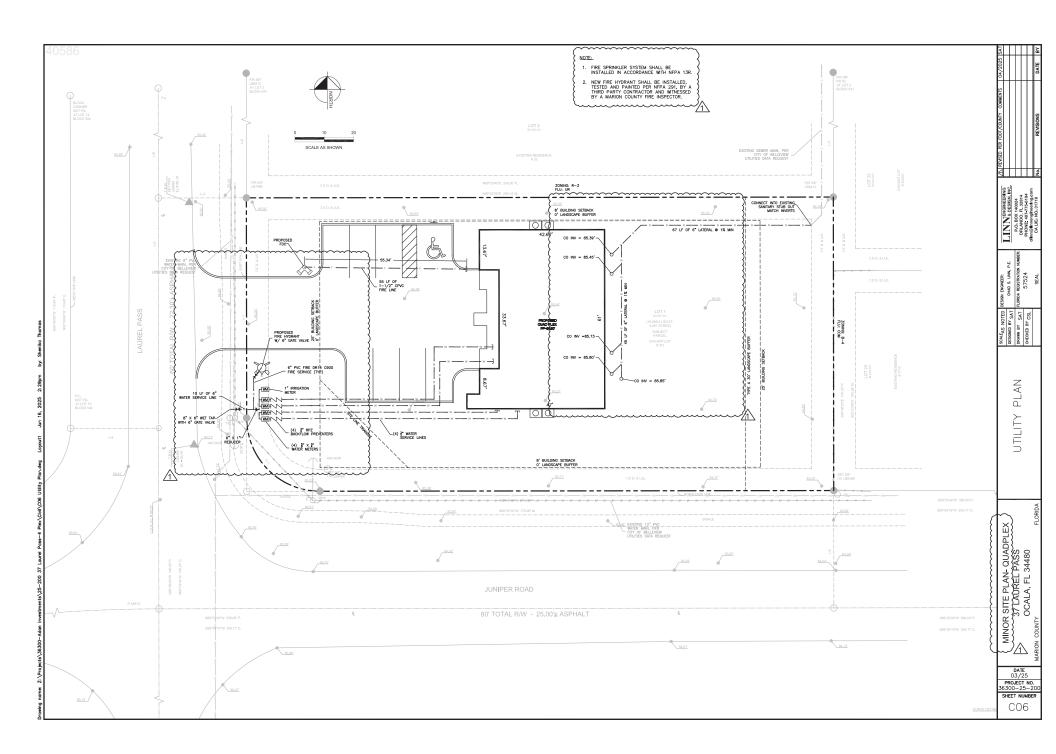


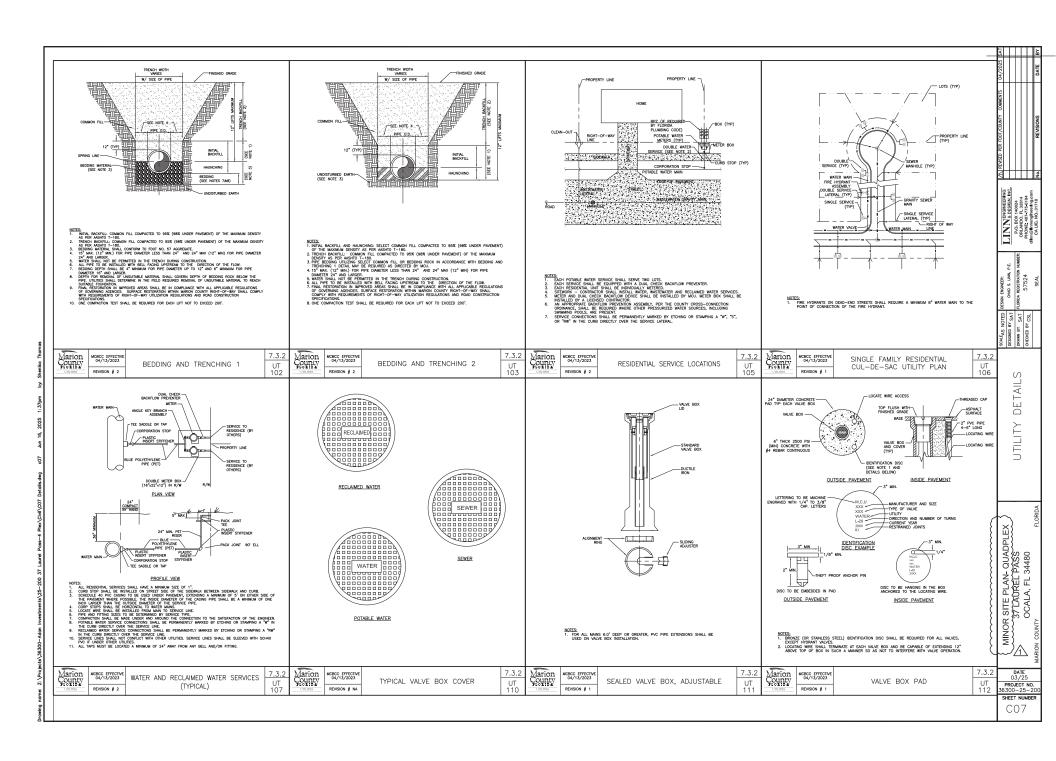


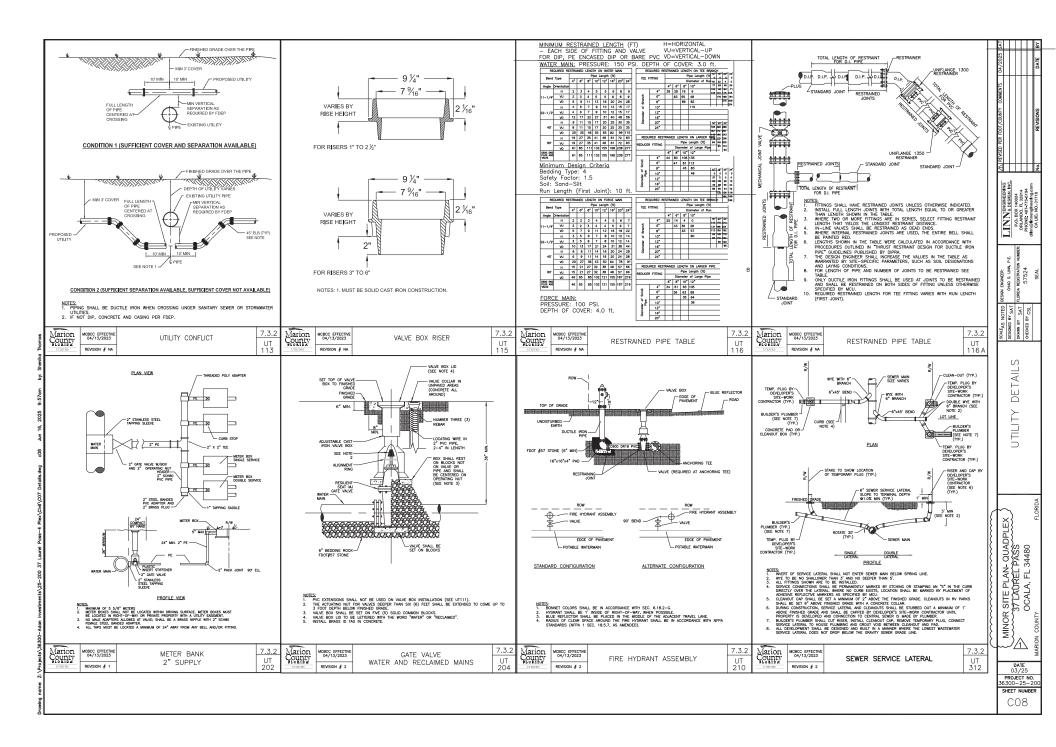


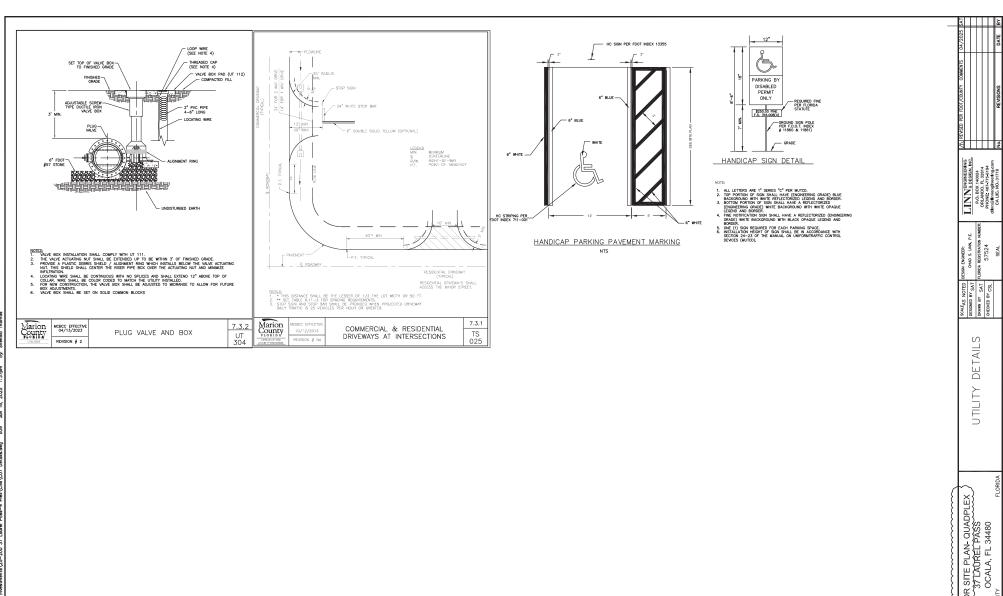






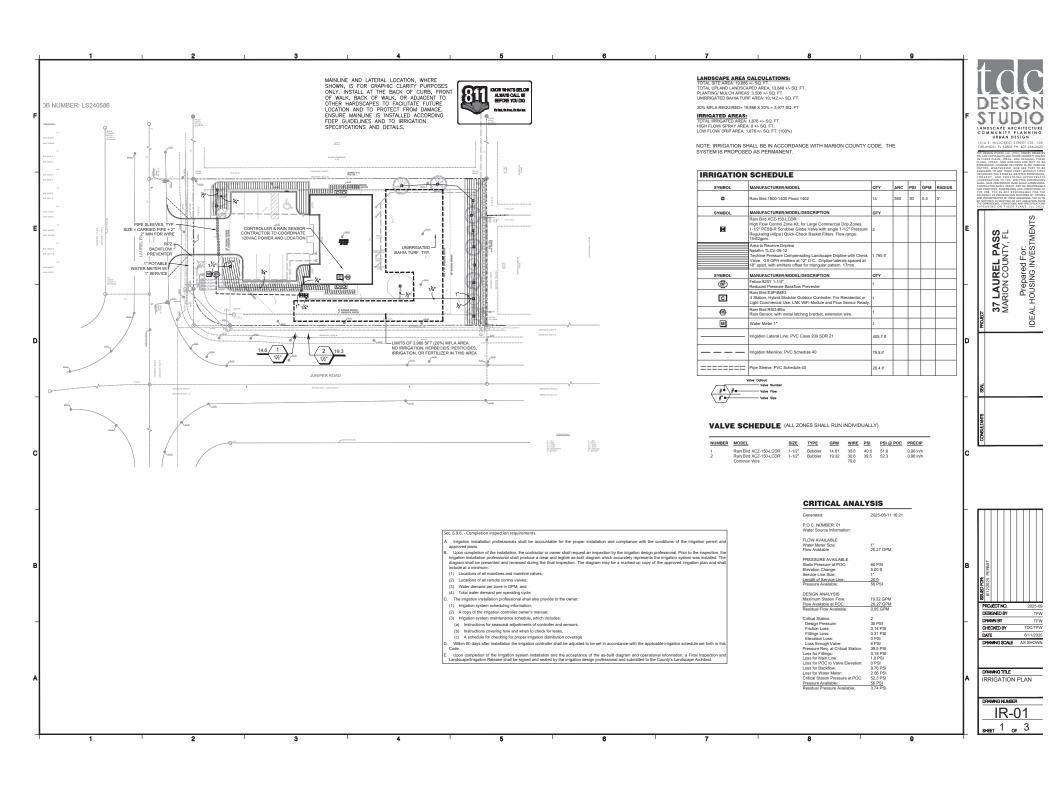


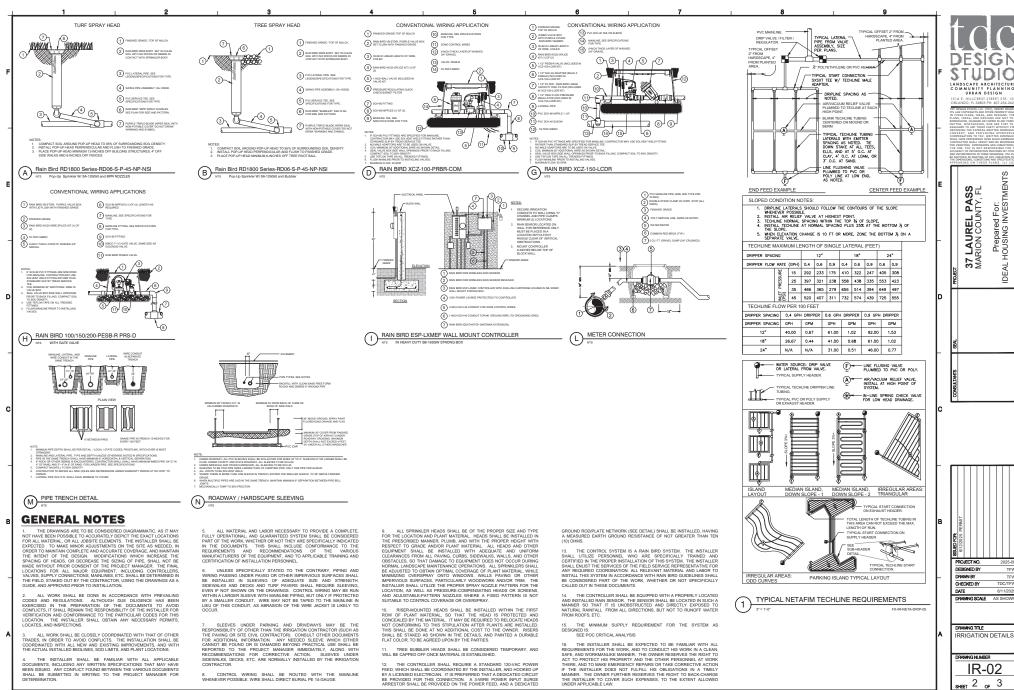




MINOR SITE PLAN- QUADPLEX
37 LAUREL PASS
OCALA, FL 34480 DATE 03/25

PROJECT NO. 36300-25-20 SHEET NUMBER C09





12. THE CONTROLLER SHALL REQUIRE A STANDARD 120-VAC POWER FEED, WHICH SHALL BE CORDONATED BY THE INSTALLER, AND HOOKED UP BY A LICENSED ELECTRICIAN. IT IS PREFERRED THAT A DEDICATED CIRCUIT BE PROVIDED FOR THIS CONNECTION. A SWIRE POWER INPUT SURGE ARRESTOR SHALL BE PROVIDED ON THE POWER FEED, AND A DEDICATED

8. CONTROL WIRING SHALL BE ROUTED WITH THE MAINLINE WHENEVER POSSIBLE. WIRE SHALL DIRECT BURIAL PE 14-GAUGE.

DETERMINATION.

STUDIO LANDSCAPE ARCHITECTURE COMMUNITY PLANNING URBAN DESIGN 1516 E. HILLCREST STREET STE. 105 ORLANDO, FL 32803 PH: 407-256-2622

Prepared For: DEAL HOUSING INVESTMENTS

2025-09

RRIGATION DETAILS

IR-02 sheet 2 of 3 Irrigation design based on the TDC Design Studio Landscape Plan dated 7/19/2021. Contractor shall refer to these plans to coordinate sprinkler and pipe locations.

The system has been designed to conform with the requirements of all applicable codes, laws, ordinances, rules, regulations and conventions. Should any conflict exist, the requirements of the codes shall prevail. It is the responsibility of the owner/installation contractor to ensure the entire system is installed as designed. Irrigation contractor responsible for obtaining all req permits according to federal, state and local laws

The scope of work is shown on the plans, notes and details. The Irrigation Contractor shall be certified as a CERTIFIED IRRIGATION CONTRACTOR by the Irrigation Association. The certification shall be current and in good standing.

The work specified in this section consists of furnishing all components necessary for the The work specimed in this section consists or furnishing all components necessary for the installation, letting, and delivery of a complete, fully functional automatic landscape irrigation system that complies with the irrigation plans, specifications, notes, and details. This work shall include, but not be limited to, the providing of all required material if applicable (pump(s), backflows, pipes, valves, filtings, controllers, wire, primer, glue, etc.), layout, protection to the public, excavation, assembly, installation, back filling, compacting, repair of road surfaces, controller and low voltage feeds to valves, cleanup, maintenance, guarantee and as-built plans

All irrigated areas shall provide 100% head-to-head coverage from a fully automatic irrigation system with a rain (and freeze as appropriate) shut off device. If the rain shut off device is a rain sensor, it shall be installed to prevent activation by adjacent heads. Zones are prioritized first by public safety and then by hydraulic concerns. This sequencing will be a mandatory punch lis

These plans have been designed to satisfy/exceed the Florida Irrigation Society Standards and Specifications for Turf and Landscape Irrigation Systems, fourth edition, All products should be installed per manufacturer's recommendation. Contractor shall verify all underground utilities 72 nours prior to commencement of work

It is the responsibility of the irrigation contractor to familiarize themselves with all grade differences, location of walls, retaining walls, structures and utilities. Do not willfully install the untertunes, location of wass, retaining when, studenties and united. Explored will will write many statements specified in a shown on the drawings when it is obvious in the field that unknown obstruction, grade differences or differences in the area dimensions exist that might not have been considered in the engineering. Such obstructions, or differences, should be brought to the attention of the owner's authorized representative. In the event this notification is not performed, the irrigation contractor shall assume full responsibility for any revisions necessary.

Irrigation contractor shall repair or replace all items damaged by their work. Irrigation contractor shall coordinate their work with other contractors for the location and installation of pipe sleeves and laterals through walls, under roadways and paving, etc.

The contractor shall take immediate steps to repair, replace, or restore all services to any utilities which are disrupted due to their operations. All costs involved in disruption of service and repairs due to negligence on the part of the contractor shall be their responsibility.

POINT OF CONNECTION (P.O.C.)

There is ONE P O.C. ('s)

#1-P.O.C. is a new 1" potable meter & RPZ Backflow (by others) with a 1" service line by others. The P.O.C. must be capable of delivering a minimum of 20.3 GPM at 60 PSI downstream of the water meter

Contractor to verify these minimum conditions can be met prior to ordering of materials and the beginning of installation. If the conditions can not be met, the contractor must notify the designer prior to proceeding with the work. If the contractor does not do so, the contractor proceeds at their own risk and becomes responsible for any future work required to make the system perform as required.

Pipe locations shown on the plan are schematic and shall be adjusted in the field. When laying out mainlines place a maximum of 18" away from either the back of curb, front of walk, back of walk, or other hardscape to allow for ease in locating and protection from physical damage.

Install all lateral pipe near edges of pavement or against buildings whenever possible to allow space for plant root balls. Always install piping inside project property's boundary

All pipes are to be placed in planting beds. If it is necessary to have piping under hardscapes. such as roads, walks, and natios, the nines must be sleeved using Class 200 PVC with the sleeve diameter being twice the size of the pipe it is carrying with a minimum sleeve size of 2"

Pipe sizes shall conform to those shown on the drawings. No substitutions of smaller pipe sizes shall be permitted, but substitutions of larger sizes may be approved. All damaged and rejected nine shall be removed from the site at the time of said rejection

Mainline shall be Pantone Purple Sch 40 solvent-weld (sized per plan) PVC with Sch 40 PVC

Contractor to ensure all mainline piping is properly restrained using mechanical joint fittings, restraining collars, threaded rods, thrust blocks, etc.., as and where required. Contractor shall refer to pipe manufacturers recommended installation practices for further direction.

PVC pipe joint compound and primer: The PVC cement shall be Weld-On 711 (grey, slow-drying, heavy duty) and the primer shall be Weld-On P70 (purple tinted, co

Electrical supply for irrigation pumps, controllers, sensors, relaysto be provided by irrigation contractor. Contractor to coordinate with local utilities for the installation of, and con site available power supplies for required electrical components as set forth in the irrigation

All electrical work is to comply with the National Electrical Code and any, and all, other An electrical work is to compay with the reduction account of the any and any cure applicable electrical codes, laws and regulations. A licensed electrical shall perform all electrical hook-ups. Power for each controller/CCU shall be a dedicated 120 volt, 20 amp circuit unless otherwise specified in the plans. Power for each pump to be according to pump specifications indicated in these plans.

Irrigation control wire shall be thermonlastic solid conner single conductor, low voltage irrigation oller wire: suitable for direct burial and continuous operation at rated voltage

Tape and bundle control wires every 10' and run alongside the mainline. At all turns in direction make a 2' coil of wire. At all valve boxes coil wire around a 3/4" piece of PVC pipe to make a coil using 30 linear inches of wire. Make electrical connections with 3MDRY/R connectors

r all wires, using an electrical book of numbers, according to the plans. Number wires in

Wire sized numbered and colored as follows:

- #14 white for common #14 spare black common
- #14 individual color coded hot wire
- #14 spare yellow hot wire

As part wires to a part wires in both directions (twelve spare wires total) latal Leaving each controller, run six spare wires in both directions (twelve spare wires into each RCV lating the path and terminate in the last valve box controlled by the wires respective controller. The loop into each valve box shall extend up into the valve box a minimum of 8" and be readily accessible by opening the valve box lid. These wires must be all numbered and color coded as

Controller and Pump station Control Panel grounding - Contractor to utilize 4"X8'X5/8" coppe grounding plates, 5/8"X10' copper clad grounding rods, 'One Strike' CAD wells at all connection points #6 bare copper wire, and earth contact material. Install these and other required points, no dare copper wire, and earm contact material, install these and other required components as outlined in the detail. Contractor to verify that the earth to ground resistance does not exceed 10 ohms. Contractor shall provide a written certification, on a licensed electrical contractors letter head, showing the date of the test, controller/pump location, and test results. Each controller/pump shall be so grounded and tested. Each component must have its own separate grounding grid, unless they are sitting side by side, in which case up to two

Lay out irrigation system mainlines and lateral lines. Make the necessary adjustments as required to take into account all site obstructions and limitations prior to excavating trenches.

Stake all sprinkler head locations. Adjust location and make the necessary modifications to nozzle types, etc. required to ensure 100% head to head coverage. Refer to the Edge of Pavement Detail on the Irrigation Detail Sheet.

Spray heads shall be installed 4" from sidewalks or curbed roadways and 12" from uncurbed roadways and building foundations. Rotors shall be installed 4" from sidewalks or curbed roadways, 12" from building foundations, and 36" from uncurbed roadways.

Shrub heads shall be installed on 3/4" Sch 40 PVC risers. The risers shall be set at a minimum of 18" off sidewalks, roadway curbing, building foundations, and/or any other hardscaped areas. Shrub heads shall be installed to a standard height of 4" below maintained height of plants and shall be installed a minimum of 6" within planted masses to be less visible and offer protection. Paint all shrub risers with flat black or forest green paint, unless irrigation system will utilize reuse water; in this case the risers shall be purple PVC and shall not be painted.

Locate valves prior to excavation. Ensure that their location provides for easy access and that Locate valves print to excavation. Ensure that their location provides in the easy access and that there is no interference with physical structures, plants, trees, poles, etc. Valve boxes must be placed a minimum of 12" and a maximum of 15" from the edge of pavement, curbs, etc. and the top of the box must be 2" above finish grade. No valve boxes shall be installed in turf areas without approval by the irrigation designer - only in shrub beds. Never install in sport field areas.

Sequence all valves so that the farthest valve from the P.O.C. operates first and the closest to the P.O.C. operates last. The closest valve to the P.O.C. should be the last valve in the programmed sequence

Adjust the flow control on each RCV to ensure shut off in 10 seconds after deactivation by the

Using an electric branding iron, brand the valve I.D. letter/number on the lid of each valve box. This hrand must be 2"-3" tall and easily legible.

All pop-up heads and shrub risers shall be pressure compensating. All pop-up heads shall be mounted on flex-type swing joints. All rotors shall be installed with PVC triple swing joints unless otherwise detailed.

All sprinkler equipment, not otherwise detailed or specified on these plans, shall be installed as per manufacturer's recommendations and specifications, and according to local and state laws

TRENCHING

Excavate straight and vertical trenches with smooth, flat or sloping bottoms. Trench width and depth should be sufficient to allow for the proper vertical and horizontal separation betw piping as shown in the pipe installation detail on the detail sheet.

Protect existing landscaped areas. Remove and replant any damaged plant material upon job completion. The replacement material shall be of the same genus and species, and of the same size as the material it is replacing. The final determination as to what needs to be replaced and the acceptability of the replacement material shall be solely up to the owner or owner's

Solvent Weld Pipe: Cut all pipe square and deburr. Clean pipe and fittings of foreign material; then apply a small amount of primer while ensuring that any excess is wiped off immediately tinen apply a small amount or former wine pie ensuring instal ray excess is weight on immediately. Primer should not public or for piner wine pie or filtings. Next apply a thin locat of PVC cement; first apply a thin layer to be pie, next a the filting, and finally another to extend layer on the pies. The pies the pies is the filting install that the pies is install layer on the pies of the pies of the filting is the pies of the filting. The pies of the filting is the pies deserth of the filting is the pies of the filting if the pies of the filting is the pies of the filting. If the pies of the filting is the pies of the pies of the filting is the pies of the pies of the pies of the filting is the pies of the pies of the pies of the filting is the pies of is unacceptable and must be discarded

Pipes must cure a minimum of 30 minutes prior to handling and placing into trenches. A longe curing time may be required; refer to the manufacturer's specifications. The pipe must cure a minimum of 24 hours prior to filling with water.

Gasketed Pipe: With pipe in the trench, cut pipe square, deburr, and place beveled edge on <u>continued up.</u> an interest in the single piece with a factory bevol. Clean pipe and fittings of foreign material, which is a factory between the piece of the single piece with a factory bevol. Clean pipe and fittings of foreign material, which is a small amount of pipe greate to the rubbeet pipe and fittings of foreign material. Fully insert the maile end of the pipe into the bell end of adjacent pipe until the bevel is fully seated into the bell. Restrain pine as required

The Back fill 6" below, 6" above, and around all piping shall be of clean sand and anything beyond that in the trench can be of native material but nothing larger than 2" in diameter

Main line nine depth measured to the top of pipe shall be

all fille pipe deput measured to the byte strain be.
24" minimum for 34"-2 1/2" PVC with a 30" minimum at vehicular crossings;
30" minimum for 3" & 4" PVC with a 36" minimum at vehicular crossings. 36" minimum for 6" PVC with a 36" minimum at vehicular crossings

Lateral line depths measured to top of pipe shall be: 18" minimum for 3/4"-3" PVC with a 30" minimum at vehicular crossings; 24" minimum for 4" PVC and above with a 30" minimum at vehicular crossings

Contractor shall backfill all piping, both mainline and laterals, prior to performing any pressure tests. The pipe shall be backfilled with the exception of 2' on each side of every joint (bell fittings, 90's, tees, 45's, etc.). These joints shall not be backfilled until all piping has satisfactorily passed its appropriate pressure test as outlined below.

FLUSHING

Prior to the placement of valves, flush all mainlines for a minimum of 10 minutes or until lines are completely clean of debris, whichever is longer

Prior to the placement of heads, flush all lateral lines for a minimum of 10 minutes or until lines

Use screens in heads and adjust heads for proper coverage avoiding excess water on walls, walks and paving.

Soil: At a minimum of 2 locations on the site, soil tests for Infiltration and texture shall be performed according to the USDA Soil Quality Test Kit Guide. The tests shall be documented in a USDA Soil Worksheet. (All of the above is available at http://soils.usda.gov/sqi/assessment/ test kit html) The completed worksheet shall be submitted to the owners representative for oval. Do not proceed without written direction from the owner/ov

Mainline: Remove all remote control valves and cap using a threaded cap on SCH 80 nipple. maintime. Natirove at member durind venies and cap using a timeated cap in orac or unject. Fill mainline with water and pressurize the system to 125 PSI. Monitor the system pressure at two gauge locations; the gauge locations must be at opposite ends of the mainline. With the same respective pressures, monitor the gauges for two hours. There can be no loss in pressure at either gauge for solvent-welded pipe. For HDPE pipe, see HDPE notes. For gasketed pipe, testing requires measurement of the water pumped into the mainline system, using a hydrostatic pump, to maintain 125 PSI - this water volume shall be no more than the result of the follow

I =(ND\/P)/7400

where L=Allowable leakage in gallons per hour N=Number of joints in pipe tested D=Nominal diameter of pipe (in inches) P=Average Test Pressure (in PSI)

This procedure must be followed until the mainline passes the test

If these parameters are exceeded, locate the problem; repair it; wait 24 hours and retry the test.

Lateral Lines: The lateral lines must be fully filled to operational pressure and visually checked or leaks. Any leaks detected must be repaired.

Operational Testing -Once the mainline and lateral lines have passed their respective tests, and the system is completely operational, a coverage test and demonstration of the system is required. The irrigation contractor must demonstrate to the owner, or his/her representative that proper coverage is obtained and the system works automatically from the controller. This demonstration requires each zone to be turned on in the proper sequence as shown on the plans, from the controller. Each zone will be inspected for proper coverage and function. The determination of proper coverage and function is at the sole discretion of the owner or owner.

Upon completion of the operational test, run each zone until water begins to puddle or run off This will allow you to determine the number of irrigation start times necessary to meet the weekly evapotranspiration requirements of the planting material in each zone. In fine sandy soils, it is possible no pudding will occur: If this is experienced, then theoretical calculations run times will be required for controller programming.

<u>Pre-Construction:</u> The contractor must submit for written approval, prior to installation, five (5) copies of the manufacturer's cut sheets/specifications for all components to be used in the

After project completion:

Arter project completion:
As a condition of final acceptance, the irrigation contractor shall provide the owner with:

1. Irrigations As-builts - shall be provided utilizing a sub-foot Global Positioning System (GPS) to accurately locate all mainlines, sleeves, remote control valves, gate valves, independent wire runs, wire splice boxes, controllers, high voltage supply sources/conduit path, control mechanisms, sensors, wells and water source connections in Florida East State Plane, NAD 83, and CORS 96 format. The data collected shall be in POINT format and include an ID for each data point with Manufacturer. Type. Size, and Depth. All mainline and

independent runs of wire shall be located every 30' for straight runs and at every change of direction. Sleeves will be located at end points and every 20' of length. All underground items shall include depth in inch format. These POINTS once collected shall be imported into an AutoCAD DWG geo-referenced base file to be labeled accordingly. The completed AS-Built shall be a Geo-Referenced DWF file and delivered to the owner on a compact disk (CD).

2. Controller charts - Upon completion of "as-built" prepare controller charts; one per controller Indicate on each chart the area controlled by a remote control valve (using a different color fo each zone). This chart shall be reduced to a size that will fit inside of the controller door. The reduction shall be hermetically sealed inside two 2ml pieces of clear plastic

3. Grounding Certification - Provide ground certification results for each controller and pump panel grounding grid installed. This must be on a licensed electrician letter head indicating location tested (using IR plan symbols), date, time, test method, and testing results.

INSPECTIONS AND COORDINATION MEETINGS REQUIRED - Contractor is required to schedule, perform, and attend the following, and demonstrate to the owner and/or or representative to their satisfaction, as follows:

- Pre-construction meeting Designer and contractor to review entire install process and
- He-consultation intensity beging it all contractor to review entire install process and schedule with owner/general contractor.
 Mainline installation inspection(s) all mainline must be inspected for proper pipe, fittings depth of coverage, backfill, and installation method
 Mainline pressure test- all mainline shall be pressure tested according to this designs
- Flow Meter calibration All flow meters must be calibrated provide certified calibration
- eport for all flow meters.

 USDA Soil Quality Tests for infiltration/texture
- Coverage and operational test
- Final inspection
- Punch list inspection

FINAL ACCEPTANCE

Final acceptance of the irrigation system will be given after the following documents and conditions have been completed and approved. Final payment will not be released until these conditions are satisfied

- All above inspections are completed, documented, and approved by owner.
 Completion and acceptance of 'as-built' drawings.
 Acceptance of required controller charts and placement inside of controller. 4. All other submittals have be made to the satisfaction of the owner

GUARANTEE: The irrigation system shall be guaranteed for a minimum of one calendar year from the time of final acceptance.

MINIMUM RECOMMENDED IRRIGATION MAINTENANCE PROCEDURES

 Every irrigation zone should be checked monthly and written reports generated describing the date(s) each zone was inspected, problems identified, date problems repaired, and a list of

- materials used in the repair. At minimum, these inspections should include the following to
- A. Turn on each zone from the controller to verify automatic operatio B. Check schedules to ensure they are appropriate for the season, plan
- and soil type, and irrigation method. Consult an I.A. certified auditor for methods used in determining proper irrigation scheduling requirements
- methods used in determining proper irrigation scheduling requirements.

 C. Check remote control valve to ensure proper operation.

 D. Check settling on pressure regulator to verify proper settling, if present.

 E. Check flow control and adjust as needed; ensure valve closure within

- 10-15 seconds after deactivation by controller.
- F Check for leaks mainline lateral lines valves heads etc. G. Check all heads as follo
- Proper set height (top of sprinkler is 1" below mow height)
 Verify head pop-up height 6" in turf, 12" in ground cover, and
- pop-up on riser in shrub beds. Check wiper seal for leaks - if leaking, clean head and re-inspect.
- If still leaking, replace head with the appropriate head with pressure regulator and built-in check valve.
- . All nozzles checked for proper pattern, clogging, leaks, correct make
- & model, etc. replace as needed
- Check for proper alignment perfectly vertical; coverage area is correct; minimize over spray onto hardscapes.
 Riser height raised/lowered to accommodate plant growth patterns.
- and ensure proper coverage.

 7. verify the pop-up riser retracts after operation. If not, repair/replace as needed
- 2. Check controller/C.C.U. grounds for resistance (10 ohms or less) once per year. Submit
- 3. Check rain shut-off device monthly to ensure it functions properly 4. Inspect all filters monthly and clean/repair/replace as needed.
- 5. Inspect backflow devices by utilizing a properly licensed backflow inspector. This should be
- 6. Inspect all valve boxes to ensure they are in good condition, lids are in place and locked.
- 7. Check pump stations for proper operation, pressures, filtration, settings, etc. refer to pump
- 8. Check and clean intake screens on all suction lines quarterly, at minimum. Clean and/or renair as needed 9. Winterize, if applicable, as weather in your area dictates. Follow manufacture
- recommendations and blow out all lines and equipment using compressed air. Perform seasonal startup of system as per manufacturer recommendations
- 10. Conduct additional inspections, maintenance tasks, etc. that are particular for your site

DIGULT

Prepared For: HOUSING INVESTMENTS 37 LAUREL PASS MARION COUNTY, FL

PROJECT NO. 2025-09 DESIGNED R

CHECKED BY

DRAWING TITLE RRIGATION SPECIFICATIONS

DRAWING SCALE AS SHOWN

IR-03

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GENERAL NOTES SEE CIVIL ENGINEERING DRAWINGS FOR GENERAL GRADING OF THE SITE, INCLUDING FINISH GRADES FOR PARKING LOTS, ROADWAYS, SIDEWALKS, AND PLANTING AREAS. PARRIGIGOTS, ROMANYS, SEGRANICA, MO PARITIMO AREA THE CONTRICTION BELL SECREM FAILABLE WITH THE PROCEST SITE FROM TO BIDDING THE WORK. THE FROM TO DINATING ANY COMMITTION THE COLORITOR OF ALL THEIR SAME DAKE PROMIATION BY APPROVING THE WITHOUT SECREM COLORITOR OF ALL THEIR SAME DAKE PROMIATION BY APPROVING THE CONTRICTOR SHALL VIEW ALL RESPONSIBLE FOR REPARK ON REPARK CONTRICTORS THE ANY ADMINISTRATION OF SECREM RESPONSIBLE FOR REPARK ON REPARK CONTRICTORS THE ASSISTANCE OF SECREM COUNTRICTORS THE CONTRICTORS THE ASSISTANCE OF THE CONTRICTORS TH THE OWNER'S REPRESENTATIVE SHALL HAVE THE RIGHT, AT ANY STAGE OF THE OPERATIONS, TO REJECT ANY AND ALL WORK AND MATERIAL WHICH, IN HIS OPINION, DO NOT MEET WITH THE REQUIREMENTS OF THESE PLANS AND SECRETATIONS. ALL GRADES, DIMENSIONS, AND EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR ON-SITE BEFORE CONSTRUCTION BEGINS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL VEREY ALL DIMENSIONS AND CONDITIONS ON THE JOB SITE PRIOR TO START OF CONSTRUCTION ANDOR FARRCATION. CONTRACTOR SHALL NOTIFY OWNERS REPRESENTATIVE OF ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DEVANDANCE. REPORT ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND FIELD CONDITIONS TO THE OWNERS REPORTS ENTATE. THE CONTRACTOR SHALL COORDINATE ACCESS AND STADING AREAS WITH THE CONNERS REPRESENTATIVE. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING ERRORION AND SEDIMENTATION CONTRACTOR LHEASURES DURING CONSTRUCTION. PROVIDE ADDITIONAL MEASURES AS NECESSARY TO IMMINIZE ADVERSE IMPACTS IN ACCORDANCE WITH ALL APPLICABLE FEDERAL STATE, AND LOCAL COORS. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN CONSENT OF THE OWNER'S REPRESENTATIVE. DURING THE COURSE OF THIS WORK, EXCESS WASTE MATERIAL SHALL BE REMOVED DAILY FROM THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATION OF WORK WITH OTHER TRADES AND THE OWNER'S REPRESENTATIVE. 12. "FLORIDA LIVE S 450 LINGERORION FACILITY DAMAGE PREVENTION AND SAFETY ACT MANDATES THAT EXCAVATORICONITRACTORS SHALL CONTACT SUNSHINE 81 (16.22 SUNSHINE STATE ONE-CALL OF FLORIDA) BY CALLING 300-24-770 OR 811 ALEST 2 FALL BUSINESS BLAYS PROOF TO THE BEGINNION, SAY PEXCAVATION OR DEMOLITION TO ALLOW MEMBER OPERATORS AN OPPORTUNITY TO DEMITEY AND MARK THEIR UNDERGROUND FACILITIES AND APPROPRIATE VIEWS PROSTRON TO THE OPSITION FROM SYSTEM. 13. ALL EXISTING SITE ROADS, PARKING LOTS, CURBS, UTILITIES, SEWERS, AND OTHER ELEMENTS TO REMAIN SHALL BE SITE OF DEPARTMENT OF BE FALLY PROTECTED PROD ANY DAMAGE UNLESS OTHERWISE NOTED. CONTRACTION IS REPORTED THAT OF ALLY COMMETTE AN ASSEMBLY, SYSTEM, CONTRACTION IS REPORTED THAT OF A SESSION IN THE CONTRACTION OF A THE C **LANDSCAPE NOTES** THE CONTRACTOR BALL REGION INCONTECTURESHONEERING PLANS TO SECOND THOROUGH Y PARLLAR WITH MERCEL AND INSERPORCE IT THE REPORT AND THE CONTRACTOR IN THE CONTRACTOR IN THE CONTRACTOR IN THE CONTRACTOR IN SERVICE PROVIDED THE CONTRACTOR IN CONTRACT AWARD AND PROOF TO THE COMMENCEMENT OF WORK ALL REQUESTS FOR SUBSTITUTION USE TO LOCK OF AWARD. HAVE THAT SER BUILD OF THE COMMENCEMENT OF WORK ALL REQUESTS FOR SUBSTITUTION USE TO LOCK OF AWARD. HAVE THAT SER BUILD OF THE CONTRACTOR IN SERVICE PROVIDED THE SERVICE PROVIDE THE SERVICE PROVIDED THE SERVICE PROVIDED THE SERVICE PROVIDE THE SERVICE PROVIDED T PRIOR TO PLANTING INSTALLATION, THE CONTRACTOR SHALL CONFIRM THE AVAILABILITY OF ALL THE SPECIFIED PLANT MATERIALS. SUBMIT DATED PHOTOGRAPHS OF TREE MATERIAL AND SPECIMEN PLANT MATERIAL TO THE OWNERS REPRESENTATIVE FOR REVIEW.

- SECURIOR STATE OF THE STATE OF
- AUDITIONAL COSTS TO THE UNIVER.

 ALL INSTALLATION OF PLANT MATERIAL SHALL COMPLY WITH APPLICABLE JURISDICTIONAL CODES. THE
 CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS ASSOCIATED WITH THIS WORK. COMPRACTOR SHALL
 BRUSEA MANUFACE DEABNACE OF ALL UNITIES A FRE MORNINS ALL ACCORDING WITH THE ROBOTH APPRIVATION CODE 18.57.1

 CONTRACTOR SHALL INSURE SIGHT TRANCIE VISBLITY IN ALL APPLICABLE ROUGHNYS PER FDOT STANDARDS.
- ALL PLANT MATERIAL SIZES SPECIFIED ARE MINIMUM SIZES. CONTAINER SIZE SHALL BE INCREASED IF NECESSARY TO PROVIDE OVERALL PLANT SIZE SPECIFIED.
- NELSONAT ID PROVIDE OFFICE PLANT SEE SECURED.

 REPLANT MATERIAL DOES NOT COME YITH THE REQUIREMENTS AS SPECIFIED HEREM, THE OWNER'S MEDICAL TO THE PLANT SAME DECIDING THE CONTINUCTION TO REPLACE PROPERTIES AND FOUND THE CONTINUCTION TO REPLACE PROPERTIES AND FOUND TO BE ACCEPTABLE.

 RESPECTED AND FOUND TO BE ACCEPTABLE.

 THE CONTINUETOR SHALL PROVIDE AN APPROVED PLANTING SOR MIXTURE FOR ALL PLANT MATERIAL. SEE SPECIFICATIONS FOR REQUIREMENTS.

- SPECIFICATIONS FOR REQUIREMENTS.
 THE CONTRACTOR SHALL BE REPORTEDIES FOR TABILITY AND PLUME CONDITION OF ALL TREES AND SHRIBS,
 AND SHALL BE LEGALLY LUBLE FOR ANY CHARGE CLAIRED BY HESTRALITY OF ANY PLANT MATERIALS, STAWNO
 THE CONTRACTOR SHALL REPORT REQUIREMENT VERTICAL DISABILITY OF ANY PLANT MATERIALS, STAWNO
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 PROVISION ACCEPTION.
- PEG SOD ON SLOPES GREATER THAN 1:3 (33% SLOPE)
- IORK:
 A. REMOVE BRANCHES FROM TREES THAT ARE TO REMAIN, IF REQUIRED, AS DIRECTED BY OWNER'S

- C. PERFORM TREE REPARK WORK FOR DAMAGE PACINESS OF YEAR YOUNG THE TOWN CONSTRUCTION.

 CONTRACTOR SHALL PROTOCE TEMPORARY MERGINATION STYSTER FOR ELECATED TREES.

 CONTRACTOR SHALL PROTOCE TEXTING VIGETATION TO TERMAN AS SHOWN ON DAWNINGS OR BY MEANS

 REPROVED BY THE OWNERS REPRESENTATION, ALL DESTROY AFTER MEDIO TO TREAMN WITHIN THE OWN THE OWNERS ARE SHOWNED TO THE OWNER SHOWNED AND THE OWNER SHOWNED. AND THE OWNER SHOWNED AND THE OWNER SHOWNED.
- CONTRACTOR TO CLEAN, PRUNE, AND SHAPE EDGES OF EXISTING VEGETATION AS DIRECTED BY OWNER'S REPRESENTATIVE. CREATE SMOOTH BED LINES AROUND EXISTING VEGETATION.

- WEED FREE THROUGHOUT PLANTING OFERATIONS. THE LANDSCAPE TO SCARIFY SOILS IN ALL PLANTING AREAS TO A MINIMAM DEPTH OF 4". DENSELY COMPACTED AREAS BETWEEN 80% AND 90% ARE TO BE CROSS RIPPED TO A MINIMAM PETH IN THE PROPESS OF TILLING ARE MINIFORMED FRAILE SHOULDING, BUT NOT LIMITED TO FOREIGN DEBRIS, CONSTRUCTION WASTE, ROOTS, CONCRETE, ASPHALT AND ROCKS (REATER THAN 1/2" DUMBLETE HOW AREADED, IN AMERICA TO EXCEVE SOOT ILL IN FERTILIZES TO A DEPTH OF 2" AT A RANGE OF 12
- POUNDS FER CURIC PT.

 ALL PARTING REST SHAPE IF A MOST PLACE THAT FE PLASS AND A PREVIOUS PT. FEE LOCACIAN.

 ALL PARTING REST SHAPE IF A MOST PLASS AND A PREVIOUS PT. FEE LOCACIAN.

 STARES OF REGISTRATION FLASS TO LOCATE THE EDGES OF ALL SHARE AND CROLOEOCOMET PLANT ESDS AND INSERVELL THESE PLANT PALLES, ALL SHAPE AND CROLOEOCOMET PLANT ESDS AND INSERVELL THESE PLASS AND FRAME PLASS AND THE PALLES AND THE ALL SHAPE PLASS AND THE PALLES AND THE PALLES AND THE ALL SHAPE PLASS AND THE PALLES AND THE PALLE
- UNLESS EXPLICITLY SHOWN ON DRAWINGS, NO TREES SHALL BE PLANTED WITHIN DESIGNATED UTILITY CORRIDORS, PUBLIC RIGHTS OF WAY NOR LOCATED WITHIN FOUR FEET (#) OF ANY SWALE CENTERLINE, BUILDING, OR STRUCTURE IDENTIFIED ON THE DRAWINGS OF EXISTING IN THE FIELD, NO CAMPY TREES SHALL BE PLANTED WITHIN 9 FEET OF UNDERGROUND UTILITIES, 20 FEET OF ENSITING OVERHEAD POWER LINES, WITH 4 FEET OF AN PAVED SURFACE, OR UNDER CANOPY TREES THAT LINET ACCESS TO LIGHT AND ROOM TO GROW FIELD ADJUST AS NECESSARY AND REVIEW ADJUSTMENTS WITH THE LANDSCAPE ARCHITECT PRICH TO MISTALLATION. THESS SHALL BE WANTAMED AT A NUMBER OF 15F VERTICAL CLEARNING FOR ARCHITECT PRICH TO
- EPHATIMENT ACCESS ROUSS.
 ALL PROPOSED THESE SYMPTICES INSTALLED ETHER ENTRIES YAN OR ENTRIELY OUT OF PLANTING EEDS, PLANTING ALL PROPOSED THESE SYMPTICES OF STRUCTURES OF SYMPTIMES AND AND SHALL BE SMOOTH AND FLOWING. IF TREES ARE LOCATED OUTSIDE PLANTING EEDS IN GRASS AREAS, MANTAIN A MINIMUM THREE FEET 3 WIDE OFFSETTO ALLOW FOR MOVERS TO MANELYER.

- 21. THE LANDSCAPE CONTRACTOR SHALL YERRY THE EXTENT OF SOO & TURE WORK IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SOO A TURE IN THE REASS SHOWN ON THE PLAN IN SUFFICIENT QUANTITY TO PROVIDE FULL COVERAGE. ADDITIONAL GRASS REQUIRED WILL BE ADJUSTED BASIS ON A SQUARE POOTAGE UNIT PRICE. AREAS TO BE SOODED SHALL BE AMENDED PER SOILS REPORT TO PROVIDE. DR A SUDMATTED TAKE MY IN PRICE. ARE ENVISED SUBJECT SUBJECT SOURCE ARE SUBJECT SUBJECT TO PROVIDE A SUBJECT S
- 22. CONTRACTOR SHALL FIELD-ADJUST LOCATION OF PLANT MATERIAL FOR THE REVIEW AND APPROVAL OF THE OWNER'S REPRESENTATIVE PRIOR TO INITIATING INSTALLATION
- 23. ALL PLANT MATERIAL SHALL BE IN FULL AND STRICT ACCORDANCE WITH FLORIDA NO. 1 GRADE, ACCORDING TO THE "GRADES AND STANDARDS FOR NURSERY PLANTS" PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSIMER SERVICES.
- ALL PLANTING BEDS SHALL BE TOP-DRESSED WITH A 3" LAYER OF MULCH AS SPECIFIED. ALL TREES SHALL HAVI A "1" DEEP, 24" RADIUS (FROM THE TRUNK) MULCH RING PLACED AROUND THE BASE OF THE TRUNK. ON WELL DRAINED SOIL, THE MULCH RING SHALL BE MOUNDED AT ITS EDGES TO RETAIN WATER WITHIN THE TREE RING. OF POORLY DRAINED SOIL, THE MULCH RING SHALL BE MOUNDED AT THE TRUNK TO SHED WATER AWAY FROM THE
- 25. SHRUB AND GROUND COVER BED QUANTITIES ARE INDICATED ON THE PLANT LIST. PLANT ACCENT SHRUBS AND TREES AS SHOWN ON THE LANDSCAPE PLANTING PLANTS WHEN INDIVIDUAL PLANTS ARE DELINEATED.
- PALM HEIGHTS, AS INDICATED ON THE PLANS, REFER TO CLEAR TRUNK (C.T.), GRAY WOOD (G.W.), OR OVERALL HEIGHT (O.A.) AS SPECIFIED ON THE PLANT LIST.
- 27. CONTRACTOR SHALL COORDINATE ALL PLANTING WORK WITH IRRIGATION WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL HAND WATERING AS REQUIRED TO SUPPLEMENT IRRIGATION WATERING AND RAINFALL
- CONTRACTOR SHALL BE RESPONSIBLE FOR HAND WATERING IN ALL PLANTING AREAS, REGARDLESS OF THE STATUS OF EXISTING OR PROPOSED IRRIGATION.
- 29. CONTRACTOR SHALL REGRADE ALL AREAS DISTURBED BY PLANT REMOVAL, RELOCATION, AND/OR INSTALLATION
- WORK

 OWNERS OF SHALL SET ACE SET FEMALS SEE AND EARLY FAY AND ALL SETS FOR FAUNT MATERIAL

 OWNERS OF SHAME SET ACE SET SET SHALL SEE AND EARLY SET AND EARLY SHALL SHE SHARLT SON RUBBLE SHALL SHE SHALL SEE SHALL SHE SHALL SEE SHALL SHOW AND EARLY SHALL SEE SHALL SHE SHALL SHOW SHOW AND EARLY SHALL SEE SHALL SHOW SHE SHALL SHOW SHALL SHOW SHALL SHALL SHOW SHALL SHA
- 32. UPON COMPLETION OF ALL LANDSCAPING, AN INSPECTION FOR SUBSTANTIAL COMPLETION OF THE WORK SHALL BE HELD. THE CONTRACTOR SHALL MOTIFY THE OWNERS REPRESENTATIVE FOR SCHEDULING THE INSPECTION AT LEAST SEVEN (T) DAYS PRIOR TO THE ANTICIPATEO INSPECTION DATE.
- 33. CONTRACTOR SHALL SUBMIT WRITTEN GUARANTEE OF SURVIVABILITY OF ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.
- 34 CONTRACTOR MUST APPROVE ALL GRADED AREAS PRIOR TO THE COMMENCEMENT OF PLANTING
- THE CONTRACTOR SHALL BEAR ALL COSTS OF TESTING OF SOILS, AMENDMENTS, ETC. ASSOCIATED WITH THE WORK. SEE SPECIFICATIONS FOR ADDITIONAL TESTING REQUIREMENTS.
- 36. THE LANDSCAPE CONTRACTOR SHAP PROVIDE THE CHINER'S REPRESENTATIVE WITH RECORD COPIES OF ALL RECEPTS, NYOLES, AND, OR SHIPPING MANIFESTS FOR ALL MATERIALS, INCLUDING PLANTS AND SOO, DELIVERED TO THE PROJECT SITE SITE WHICH CONTRACTOR OR SUPPLIED TO THE CONTRACTOR DO REVIEW OF ALL FERTILIZER AND SOL AMERICANET MATERIALS MUST BE IN ORIGINAL LANDERSED CONTRACTOR DELIVERY OF ALL MANIFACTURES QUIPARTIES DELIVERAL AND STEEL THE TRACE MANIFACTURE OF CONTRACTOR WITH STATE LAW.

HARDSCAPE NOTES

- SEE CIVIL ENGINEERING DRAWINGS FOR GENERAL GRADING OF THE SITE, INCLUDING SIDEWALK AND FINISH GRADES FOR PARKING LOTS, ROADWAYS, SIDEWALKS, AND PLANTING AREAS.
- ALL PAVEMENT SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. ALIGNMENT MAY BE ADJUSTED UPON APPROVAL TO ACCOMMODATE EXISTING SITE ELEMENTS
- SLOPES OF WALKS TO BE NO GREATER THAN FIVE PERCENT, UNLESS EXPRESSLY NOTED OTHERWISE. CROSS-SLOPE OF WALKS NOT TO EXCEED TWO PERCENT. SEE CIVIL DRAWINGS FOR ADDITIONAL LAYOUT AND INSTALLATION DETAILS. SEE MANDEY AND FOR MANUS ENT ELINISE INSTEADUR.
- ALL COLORS AND MATERIALS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE. FOR THIS PURPOSE, THE CONTRACTOR SHALL CONSTRUCT OR SUBMIT AS DIRECTED BY THE OWNER'S REPRESENTATIVE PANELS DEPICTING PROPOSED FINISHES AND COLORS FOR REVIEW AND APPROVIAL.
- 5. ALL NAILS, LAG SCREWS, BOLTS AND MISCELLANEOUS FASTENERS SHALL BE HOT DIPPED GALVANIZED OR A
- FOUNDATIONS
 FOOTINGS HAVE BEEN DESIGNED FOR A MAXIMUM ALLOWABLE SOIL BEARING VALUE OF 2000 PSF. IN-PLACE SOILS TO BE UNIFORMLY COMPACTED AND TESTED TO ENSURE MINIMUM SOIL BEARING PRESSURE CAPACITY OF 2,000 PSF.
 - PREPARATION FOR AND CONSTRUCTION OF WALL/COLUMN FOOTING(S) TO BE IN COMPLIANCE WITH THE APPLICABLE CHAPTERS AND SECTIONS OF ACI 332R
 - E. ANY ACCITIONAL FILL LINE FIGURES SHALL CORREST OF SPILE THAT COURTAIN NOT MORE THAN 11 FIG. OF FIRES ISST OR CALL PRINTINGES PRESIDENT AND AND SPILE THE AND SHALL BE HEALED INLINE FIRES HOT EXCEEDINGS 10 MOLES LODGE. EACH LAYER SHALL BE SYSTEMITICALLY AND UNFORMLY COMPACTED IN THE MANNER AND TO THE DEGREE SPICIPLED FOR THE IN-PLACE SOLLS.

 - CONCRETE
 9. STRUCTURAL CONCRETE, INCLUDING FOOTINGS, SHALL CONFORM TO THE REQUIREMENTS OF ACI 301 AND SHALL
 ATTAIN A MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS OF 3000 PSI UNLESS OTHERWISE NOTED. CONCRETE FOR
 SLABS ON-GRADE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS OF 2500 PSI. 10 CONCRETE WHEN BLACED SHALL HAVE A MAYARIAN SLUMB OF SINCHES AND A MINIMUM OF 3 INCHES
 - 11. ALL REINFORCING SHALL CONFORM TO ASTM 615 FOR GRADE 60 STEEL; WELDED WIRE MESH TO ASTM A-185

 - CHECK ALL DRAWINGS AND APPLICABLE MANUFACTURER'S SHOP DRAWINGS FOR LOCATION OF ALL EMBEDDED ITEMS SUCH AS PIPE SLEEVES, ANCHOR BOLTS, ETC., PRIOR TO PLACING CONCRETE.
 - 13. #5 REINFORCEMENT FOR CONTINUOUS FOOTINGS SHALL BE CONTINUOUS AND SPLICED WITH A FULL SOUNCE LAP

 - 14. PROTECT FRESH, Y PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURES. START NITLL CURRIG AS SOON AS FREE WATER HAS DISAMPEARED FROM THE CONCRETE SURFACE AFTER PLACINA AND TINISHMS. REEP CONTINUOUSLY WORSF FOR NOT SEST WAY TO YES IN CONCOMING WITH AND SIP PROCEDURE PERFORM CURRING OF THE CONCRETE BY CURRING AND SEALING COMPOUND, BY MOIST CURRING, BY MOISTURE RETAINING COVER CURRING OR BY COMBINATION THEREOF.
 - 15. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR THE REINFORCEMENT

- MASCONEY

 M.S. CONCRETE MASONRY UNITS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C90 FOR LOAD BEARING MASON
 WITH A MINIMUM FM OF 1500 PSL BRICK MASONRY UNITS SHALL CONFORM TO ASTM C42 FOR STRUCTURAL AND
 NON-STRUCTURAL MASONRY. REFER TO DRAWING SFOR SPECIFIC TYPE OF BRICK MASONRY LAVOUR PATTERNS
- MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM WITH ALL THE REQUIREMENTS OF THE "SPECIFICATIONS
 FOR MASONRY STRUCTURES" (ACI 530.1-96/ASCE 6-96/TIMS 602-02), AS PUBLISHED BY THE MASONRY STANDARDS JOIN
 COMMITTEE.
- 18. MAGOINY CONSTRUCTION SMALL BE PERFORMED MICRET THE DIRECT SUPERVISION OF A "YESTIFED STRUCTURAL MASKINKY CONTRACTOR" OR FORTIFED STRUCTURAL MASKINKY CONTRACTOR" OR FORTIFED STRUCTURAL MASKINKY SOCIOMAZIO BY THE ROTRIAL CONCRETE HAVD PRODUCTS ASSOCIATION (FCAPA). THE SENIOR MAGOINY SUPERVISION WILL BE RESPONSIBLE TO ASSURE THAT TO WORK IS ACCOMPLEIGHED IN ACCORDANCE WITH THE CONTRACT DOLUMENTS.
- 19. ALL MORTAR SHALL BE TYPE M OR S IN ACCORDANCE WITH ASTM C 270.
- GROUT SHALL HAVE A MINIMUM SLUMP OF 8 INCHES AND A MAXIMUM SLUMP OF 11 INCHES, BE IN CONFORMANCE WITH ASTM C 476, AND ATTAIN A COMPRESSIVE STRENGTH OF 1800 PSI.
- ASTIN CET, AND ATTAIN A COMPRESSIVE STREAMTH OF 1800 PSE.

 CONCRETE MANDONY UNITS SHALL BE FINISH THAT OIL NOW, WITH LEVEL COURSES ACCURATELY SPACED AND BUILT TO THE THICKNESS AND IN A REAMING BOWN AS INDICATED AND CONFORMENT OF THE TOTAL SPACE SEPECIAL DESCRIPTION AND CONFORMENT OF THE TOTAL SPACE SEPECIAL SPACE SEPECIAL DESCRIPTION AND CONFORMENT AND CONFORMENT
- 22 HOLLOW UNITS SHALL BE LAD WITH FIAL HEAD AND BED JOINTS TO THE THICKNESS OF THE FACE SHELL AS A MINIMAM. THE WEBS SHALL AS O BE BEDGED IN ALL COURSES, STARTING AT THE FOUNDATION, ADJACENT TO CELLS TO BE REINFORCED AMONG FILLED WITH FOUND OF GONCHETE. WHICH FOUNDATION HEAD WITH MORTAR IS THAUBERNOTH HARD, BOTH ON THE INSIDE AND OUTSDE SURFACES OF THE BILLIONS WALL WITH A TOOL PRODUCTION A CONCINCAE SURFACE. BED JOINTS SHALL BE 88" + 118" ANDROXES, READ JOINTS SHALL BE 88" (1" 8" ANDROXES, READ JOINTS SHALL BE 81." (1" 8") THOROUGH, SHALL BE SHALL BE 81" 118" ANDROXES, READ JOINTS SHALL BE 81." (1" 8") THOROUGH, SHALL BE WITH SHALL BE 81" 118" ANDROXES, READ JOINTS SHALL BE 81." (1" 8") THOROUGH, SHALL BE WITH SHALL BE 81" 118" ANDROXES, READ JOINTS SHALL BE 81." (1" 8") THOROUGH, SHALL BE 81. (1" 8") THOROUGH, SHALL BE 81.

- ALL REMOVEMENT STEEL TO BE GRADE 69 PER ASTIM A 618. REMOVEMENT BAYS SHALL SE PLACED IN THE MIDDLE OF THE CELLS AND INDER ON THERWISE SCURENCY SUPPORTIES AT THE TOP AND BOTTOM TO BOURDET HAT THE BAR DOES NOT MOVE DURING GROUTING. MINIMUM LAP AT ALL SPLICES OR DOWELS SHALL BE 30 INCHES UNLESS OTHERWISE NOTED ON THE DRAWING.
- 24 GROUTING QUALLER ACCOMPLIQUED IN A FOOT LIETS FOR COMPRETE MASONIBY AND 2 FOOT LIETS FOR BRICK GROUTING SHALL BE ACCOMPLISHED BY A FOOT LIFT FOR CONCRETE MASSINY AND 2 FOOT LIFT FOR RIPICA MASSINY. HOW IT SHALL BE EXCONALLY CONDUCATED BY OTHER PREVIOUS LIFT, WHICH PACED, SO AS TO MASSINY. HOW IT SHALL BE THE PACED AT THE BOTTOM OF BACK COLL TO BE FILLED AND IT SHALL BE THOROUGHY CLEANED OF PROM TO PER MACED AT THE BOTTOM OF BACK COLL TO BE FILLED AND IT SHALL BE THOROUGHY CLEANED OF PROM TO PER LANGE OF THE BOTTOM OF BACK COLL TO BE FILLED AND IT SHALL BE THOROUGHY CLEANED TO BE FILLED AND THE PACED AND THE
- 25. THE MINIMUM CONTINUOUS UNOBSTRUCTED CELL AREA IN CELL TO RECEIVE GROUT MUST NOT BE LESS THAN 2" X 3 MORTAR FINS MUST BE REMOVED AS BLOCK PLACEMENT PROCEEDS. MORTAR DROPPINGS MUST BE KEPT OUT OF CELLS WHICH ARE TO BE GROUTED.
- 26. UNLESS SPECIFICALLY SHOWN OTHERWISE, PROVIDE #9 GA. "DUR-O-WALL" TRUSS TYPE REINFORCING IN EVERY OTHER COURSE OF CONTINUOUS WALLS FOR CONCRETE MASONRY, AND EVERY FOURTH COURSE FOR BRICK MASONRY. DO NOT LAY JOINT REINFORCEMENT ACROSS EXPANSION JOINTS.
- 27. TEMPORARY BRACING AND SHORING OF ALL CONCRETE MASONRY CONSTRUCTION, TO PROVIDE STABILITY DURING CONSTRUCTION, UNTIL CONSTRUCTION ACHIEVES IT'S PROPER STRENGTH, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- STRUCTURAL STEEL

 ALL STRUCTURAL STEEL SHAPES AND PLATE SHALL CONFORM TO ASTM A-36 AND THE "SPECIFICATION FOR THE

 DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" BY THE AMPRICAN INSTITUTE OF

 STEEL CONSTRUCTION. ALL TUBE STEEL SHALL CONFORM TO ASTM A-300, GRADE B (FY = 46 KS).
- 29. ALL SHOP CONNECTIONS TO BE WELDED (UTILIZING E7XXX LOW HYDROGEN ELECTRODES) AND FIELD CONNECTION TO BE BOLTED UNLESS OTHERWISE SPECIFICALLY NOTED ON THE STRUCTURAL DRAWNISS. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF "THE STANDARD CODE FOR WELDING IN BUILDING CONSTRUCTION" OF THE AMERICAN WELDING SOCIETY.
- 30. ALL STEEL TO RECEIVE ONE SHOP COAT AND ONE FIELD TOUCHUP COAT OF APPROVED PAIN
- 31. ALL BOLTED CONNECTIONS SHALL CONSIST OF ASTM A325 HIGH STRENGTH BOLTS AND HARDENED WASHERS A SHOWN ON THE STRUCTURAL DRAWINGS. ALL BOLTED CONNECTIONS SHALL CONFORM TO THE "SPECIFICATION STRUCTURAL JOINTS USING ASTM A325 OR 4409 BOLTS" BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION
- 32. ALL ANCHOR BOLTS SHALL CONFORM TO ASTM A36 OR A307 (THREADED ROD).
- 33. ERECT ALL STEEL TO CONFORM TO "SPECIFICATION FOR THE DESIGN, PARRICATION AND ERECTION OF STRUCTURAL CHIEF AND INSPECIFICAL CHIEF AND INSPECIFICAL STRUCTURAL CHIEF AND INSPECIFICAL CHIEF AND INSPECIFICATION CHIEF AND INSPECIFICAL CHIEF AND INSPECIFICATION CHIEF AND INSPECIFICATION
- 34. LOCATE FINISH HOLES PRECISELY TO INSURE PASSAGE THROUGH ASSEMBLED MATERIALS WITHOUT DRIFTING.
 ENLARGE HOLES BY REAMING IF NECESSARY. POOR MATCHING OF HOLES IS SUFFICIENT CAUSE FOR REJECTION.
- 35. GROUT FOR COLUMN BASE PLATES SHALL BE NON-SHRINK GROUT BY "EMBECO" OR APPROVED EQUAL, 5000 PSI

- LUMBER
 ALL LIBERS SHALL BE SOUTHERN YELLOW PINE, GRADE NO. 2 OR BETTER OR AS SPECIFIED ON THE DRAWINGS
 (REFORE LUBBERS SIZES NOTED TO BE IN CONFORMANCE WITH VALUES LISTED IN THE NATIONAL FOREST PROD
 ASSOCIATION MICHINAL SOURCE STRANDARD SUPPELIENTY, AND SHALL CONFORM TO THE NATIONAL GROWING
 ASSOCIATION. LILLIMERS, THE SOLUTIENTH PINE INSECTION BERLEAVA DRE THE SOLUTIENT PRODUCTS
 ASSOCIATION.
- EXPOSED WOOD MEMBERS SHALL BE PRESSURE-TREATED WITH TYPE WATERBORNE PRESERVATIVE IN ACCORDANCE WITH THE AMERICAN WOOD-PRESERVERS STANDARD U1-03 FOR THE FOLLOWING APPLIC.

		AWPA USE	TREATMENT
	APPLICATION	CATEGORY	(LBS/CU.F.T)
١.	ABOVE-GROUND USE	UC3B	ACQ 0.25
3.	CONCRETE- OR GROUND-CONTACT, OR IN-GROUND USE	UC4A	ACQ 0.40
2.	FRESHWATER USE	UC4A	ACQ 0.40
0.	IN-GROUND OR FRESHWATER PILES	UC4C	CCA 0.80 (NOTE 1
	SALTWATER USE, MARINE PILES	UC5C	CCA 2.50 (NOTE 2

- NOTE 1: CREOSOTE (12 LBS/CU.FT.) MAY BE USED IF APPROVED BY OWNER'S REPRE!
 NOTE 2: CREOSOTE (25 LBS/CU.FT.) MAY BE USED IF APPROVED BY OWNER'S REPRE!

- 1) CITE HOT D'IN-EL UNE, VINNELLE VINE L'INTERNATION EN CONTROL THE L'INTERNATION D'INTERNATION D'IN

40. ALUMINUM TUBING, PLATES, BARS, AND ANGLES SHALL BE 6061-T6 UNLESS NOTED OTHERWISE.

- 41. ALL WELDING TO BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY'S STANDARD AWS D1.2, STRUCTURAL WELDING CODE ALUMINI IM
- . ISOLATE ALL ALUMINUM FROM STEEL AND CONCRETE BY THE USE OF NEOPRENE WASHERS, BUSHINGS, AND SHEE AS REQUIRED IN ORDER TO PREVENT GALVANIC ACTION OR CORROSION.
- 43. ALL FASTENERS, BOLTS, NUTS, ETC. IN CONTACT WITH ALUMINUM SHALL BE STAINLESS STEEL
- POOLISPAIFOUNTAIN
 THE POOLISPAIFOUNTAIN CONTRACTOR WILL STAKE OUT THE POOLISPAIFOUNTAIN AND SET THE FINISHED GRADE
 THE CHAMPER'S REPRESENTATIVE WILL BE NOTIFIED FOR APPROVAL OF THIS WORK PRIOR TO INSTALLATION.
- POLUSPAPOUNTAIN CONTRACTOR IS RESPONSELE FOR ALL POLUSPAPOUNTAIN EQUIPMENT, PIPMO, POLUSPA SHELL FOUNTAIN WALS. TRE, COPMO, ELECTRICAL TO JUNCTION BOOKS, REPAIRE, AND COCK COMPLIANCE. SUBBILT SHOP DRAWNINGS AND FINISH SAMPLES FOR REVIEW AND APPROVAL OF THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- 46. REQUIRED UTILITIES AT THE FILTER/PUMP LOCATION TO BE COORDINATED WITH THE OWNER'S REPRESENTATIVE.
- 47. FINISH PATTERN ON THE POOL DECK TO BE LAID OUT EXACTLY AS SHOWN. EXPANSION JOINTS, DECK DRAINS, ETC. TO COINCIDE WITH THE GRID. EXPANSION JOINT FILLER AND ANY DECK DRAIN MATERIALS ARE TO MATCH THE COLOR OF THE DECK.
- PRECAST/EIFS
 48. PRECAST/EIFS MANUFACTURER IS RESPONSIBLE FOR DESIGN OF INDIVIDUAL COMPONENTS, INCLUDING VERIFICATION OF FIELD CONDITIONS AND DESIGN OF CONNECTIONS.
- DESIGN, FABRICATION, AND INSTALLATION OF PRECAST/EIFS COMPONENTS SHALL COMPLY WITH APPLICABLE ACI,
- MANUFACTURER SHALL SUBMIT SHOP DRAWINGS AND FINISH SAMPLES FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO FABRICATION AND INSTALLATION
- . ALL CAST STONE PRODUCTS SHALL CONFORM WITH ALL REQUIREMENTS OF ASTM C1364

- EIRMEINING

 THE CONTRACTOR TO PROVIDE THE FOLLOWING SUBMITTALS.

 ALL MANUFACTURERS OFF, INCLUDING DIRECTIONS OF RECOMMEDIATIONS FOR INSTALLATION, METHODS.

 ALL MANUFACTURERS OFF, INCLUDING SIZE OF THE PRINSHIPMORE SIZE OF THE PRINSHIPMORE OFF.

 COMPLETE SIZE OFF POWENDINGS FOR ALL INSTALLATION, METHODS, INSTERNAL QUALITY AND ALL OTHER

 SIZE OFF. THE PRINSHIPMORE OFF. OFF. THE PRINSHIPMORE SIZE OFF. THE PRINSHIPMORE SIZE OFF.

 SIZE OFF. THE PRINSHIPMORE SIZE OFF. THE SIZE OFF. THE PRINSHIPMORE SIZE OFF. THE SIZE OFF. THE SIZE OFF
- 53. DELIVER ALL MATERIALS WITH MANUFACTURER'S TAGS AND LABELS INTACT IN CLEAN, DRY AND PROTECTED LOCATIONS.
- 54. STORE AND HANDLE ALL SITE FURNISHINGS SO AS TO AVOID DAMAGE. ALL SITE FURNISHINGS SHALL BE GUARANTEED BY THE CONTRACTOR FREE OF DEFECTS, CRACKS, CHIPS, STAINS AND SHALL BE COMPLETELY CLEAN AND FREE OF DAMAGES UPON FINAL PLACEMENT AND APPROVAL.
- 56. ALL SITE FURNISHINGS LOCATIONS ARE TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO BEING PLACED ON SITE. FAILURE TO SECURE OWNER'S APPROVAL MAY REQUIRE THE CONTRACTOR TO MOVE AND/OR REINSTALL THE FURNISHINGS AT THE CONTRACTORS EXPENSE.

STANDARD DRAWING SYMBOLS



ELEVATION DETAIL REFERENCE



SECTION DETAIL REFERENCE DETAIL NUMBER SHEET NUMBER



PLAN ENLARGEMENT REFERENCE



GENERAL DETAIL REFERENCE DETAIL NUMBER SHEET NUMBER



DETAIL ENLARGEMENT REFERENCE



X FINISH ITEM

MATCHLINE



PLANT TAG QUANTITY

FINISH REFERENCE SEE FINISH SCHEDULE



EXISTING CONTOUR

100

PROPOSED CONTOUR

 $\xrightarrow{\times}$

STORMWATER ELOW DIRECTION SLOPE DIRECTION PERCENTAGE OR RATIO

SPOT ELEVATION

N 1493681.5115 E 447607.7445

COORDINATE REFERENCE

CONTRACTOR NOTES

NOT ALL ITEMS SHOWN ON THIS SHEET APPEAR IN THE CONSTRUCTION DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS RELATED TO CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, BUILDING, LANDSCAPE, IRRIGATION & RIGHT OF WAY UTILIZATION PERMITS.

CODE COMPLIANCE NOTES

IT IS THE INTENT OF THIS DESIGN TO COMPLY WITH ALL APPLICABLE LOCAL AND STATE BUILDING CODES.
ALL EDITIONS OF THE FLORIDA BUILDING CODE 2023 (8TH ED)
NATIONAL ELECTRIC CODE 2027.

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WINDLOAD NOTES

WIND DESIGN LOAD INFORMATION (TO BE CONFIRMED BY ENGINEER OF RECORD): (PER RBC 2020 7th EDITION CHAPTER 16, REF. ASCE 7-16)

BASIC WIND SPEED (Vult) = 140 MPH (3 SECOND GUST) (Vasd) = 108 MPH (3 SECOND GUST) STRUCTURE CATEGORY = II (ASCE 7-16) WIND EXPOSURE(ALL SIDES) = C (ASCE 7-16) C = 1.4

STUDIO

AND INCORPORATED IN THESE DRAWINGS, TDC IS TO BE NOTIFIED IN WRITING OF ANY VARIATION FROM THE DIMENSIONS, CONDITIONS AND SPECIFICATIONS

Prepared For: HOUSING INVESTMENT 37 LAUREL PAS MARION COUNTY, F



DRAWING SCALE DRAWING TITLE INDEX SHEET

ID-01 SHEET 1 OF 1

