August 19, 2024

PROJECT NAME: MIDWAY TERRACE APARTMENTS 9007-0101-27

PROJECT NUMBER: 2023120072

APPLICATION: MAJOR SITE PLAN #30983

1 DEPARTMENT: ENGIN - DEVELOPMENT REVIEW

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

STATUS OF REVIEW: INFO

REMARKS: 1/30/24 - add waivers if requested in the future

2 DEPARTMENT: ENGIN - DEVELOPMENT REVIEW

REVIEW ITEM: Additional Development Review Comments

STATUS OF REVIEW: INFO

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

3 DEPARTMENT: UTIL - MARION COUNTY UTILITIES

REVIEW ITEM: Utilities Plan Review Fee per Resolution 15-R-583 - payable to Marion County Utilities STATUS OF REVIEW: INFO

REMARKS: as of 5/28/24 review, fee not paid; checklist item will not be cleared until this fee is paid, regardless of whose responsible for paying it.

\$130 to pay this by phone call 352-671-8686 and advise for plan AR# 30983 "Utility Review Fee"

4 DEPARTMENT: DOH - ENVIRONMENTAL HEALTH

REVIEW ITEM: Additional Health comments

STATUS OF REVIEW: INFO

REMARKS: Central sewer/Central water

5 DEPARTMENT: ENRAA - ACQ AGENT ENG ROW

REVIEW ITEM: Major Site Plan STATUS OF REVIEW: INFO

REMARKS: Verified owner with Sunbiz and checked project list. HR 7.24.24

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]."



# Marion County Board of County Commissioners

Office of the County Engineer

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

# DEVELOPMENT REVIEW PLAN APPLICATION

Date: December 22, 2023

# A. PROJECT INFORMATION:

Project Name: Midway Terrace Apartments			
Parcel Number(s): 9007-0101-27			
Section Township 16S Range 23E	Land Use Residential	Zoning Classifica	ation Multi-Family R3
Commercial Residential Industrial	Institutional Mixed	Use Other	
Type of Plan: MAJOR SITE PLAN			
Property Acreage <u>.85</u> Numb	er of Lots 1Miles of Roads		oads
Location of Property with Crossroads			
Additional information regarding this submi	ittal:		
B. CONTACT INFORMATION (Check th	e appropriate box indicativ	ng the point for contact	for this project. Add <u>all</u> emails
to receive correspondence during this plan review.)			_
Engineer:			
Firm Name: Linn Engineering & Design Inc.			
Mailing Address: P.O. Box 140024			
Phone # 407252643	Alternate Phone #		
Email(s) for contact via ePlans: clinn@linnen	gineering.com,		
Surveyor:	Q	NT laff Hawtley	
Firm Name: Jeff Hartley	Contact	Contact Name: Jeff Hartley	
Mailing Address: 283 HgerLllyCt	City: Altamonte Springs State: FLZip Code: 32714Alternate Phone #		
Phone # 40/38369/8	Alternate Phone #		
Email(s) for contact via ePlans: jlhartley@cfl.	rr.com		
D			
Property Owner:		A 1 O. 1	
Owner: Acristo Investments LLC			
Mailing Address: 1911 Morning Dr			
Phone #4079672867	Alternate Phone #		
Email address: ordonezconstruction@adanord	onezp.com		
_			
Developer:	~		
Developer: Adan Ordonez	Contact Name: Adan Ordonez		
Mailing Address: 1911 Morning Dr	City: Orlando	State: FL	Zip Code: 32809
Phone # 4079672867	Alternate Phone #		
Email address: ordonezconstruction@adanordo	onezp.com		

Revised 6/2021

# **CONSTRUCTION PLANS**

# **MULTI-FAMILY MIDWAY TERRACE LOT 27** OCALA, FL 34472

SECTION 5, TOWNSHIP 16S, RANGE 23E

PROJECT AREA: TOTAL IMPERVIOUS AREA TOTAL PERVIOUS AREA NO OFFSITE DRAINAGE AREA

Legal Description:

Legal Description:
LOT 27, BLOCK 101, SILVER SPRINGS SHORES UNIT NO. 7,
ACCORDING TO THE PLAT THEREOF, AS RECORDED IN
PLAT BOOK J, PAGES 94-102, OF THE PUBLIC RECORDS OF
MARION COUNTY, FLORIDA

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



# UTILITY PROVIDERS

11800 SE US HIGHWAY 441 BELLEVIEW, FL 34420 (352) 307-6000

LINN ENGINEERING & DESIGN P.O. BOX 140024 ORLANDO, FL 32814 CONTACT: GREGORY T. CHATELAIN, P.E.

PHONE: 407-775-5194 EMAIL: greg@linnengineering.com

SURVEYOR:

HARTLEY SURVEYING, INC 283 TIGERLILLY COURT ALTAMONTE SPRINGS, FL 32714 407-383-6978 407-788-9415 (FAX)

ACRISTO INVESTMENTS LLC 1911 MORNING DR ORI ANDO EL 32809-7936 PHONE: ADAN ORDONEZ - (407)223-2109

# 9007-0101-27

# 1347513

**LOCATION MAP** 

DRAWING INDEX

COVER PAGE C01 C02 **GENERAL NOTES** 

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LOCATION MAP

C04 SITE PLAN

PARCEL ID:

PRIME KEY:

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UTILITY PLAN

C06A C07-C9 LIFT STATION DETAILS UTILITY DETAILS C10 FIRE TRUCK ROUTE

SWPPP-1 **EROSION CONTROL & STORMWATER POLLUTION** 

SWPPP-2 PREVENTION PLAN & DETAILS SL-1 SITE LIGHING AND PHOTOMETRICS

LANDSCAPE PLAN L-101

L-501 LANDSCAPE DETAILS AND NOTES PLAN

LI-101 IRRIGATION SITE PLAN

LI-501 IRRIGATION DETAILS AND NOTES

S1 SURVEY

STRICTION MATERIALS QUALITY AND WORKMANSHIP SIALL HE IN ACCURDANCE WITH MARROYCE INFORCED AND THE AND THE ACCURDANCE WITH MARROYCE INFORCED AND THE ACCURDANCE WITH ACCURDANCE AND THE A

PLAN, OR BUILDING PERMIT REVIEW.

NO CHANGE TO THE WORK AS SKIOWN ON THE APPROVED PLANS SHALL BE MADE WITHOUT NOTIFICATION TO AND APPROVAL BY THE OFFICE OF THE COUNTY ENGINEER.

OWER, ACRISTO INVESTMENTS LLC, WILL BE RESIDENSIBLE FOR MAINTENANCE AND MANAGEMENT OF THE COMM

PROJECT LOCATION

CALL48 HOURS

Know what's below.

BEFORE YOUDIG

IT'S THE LAW!

DIAL811

COVER SHEET

TERRACE LOT 27 MULTIFAMILY OCALA, FL 34472 MAJOR SITE PLAN

APPLICATION TYPE - MAJOR SITE PLAN

PROJECT NO

C01

A, FL 34.

TERRACE L OCALA, I MAJOR S

PROJECT NO SHEET NUMBER

2. PROTECTION AND STABLIZATION OF ON-SIE SUL STOCKPILES FILL MATERIAL STOCKPILES
SMALL RE PROTECTED AT ALL, TRACE BY ON-SIT COMMANZ CONTROLS WHICH EXPOSED ON THE STOCKPILES WATER OWNER, CONTROL OF DUST FROM SUCH STOCKPILES MAY BE REQUIRED,
RESPERANCE USEN THERE (DUSTRIC) AND THE DESTROY DUSTRING THE STOCKPILES MALL BE

PRESENT. IN NO CASE SHALL MAY UNSTOCKPILES MATERIAL REMAIN MORE THAN THRTY (30) CALINGAR DAYS AFTER SUBSTANTIAL PROJECT COMPLETION.

3. PROTECTION OF DISTING STORM SEMEN SYSTEMS: ELERAG CONSTRUCTION, ALL STORM SEMEN INLES IN THE WORLTY OF THE PROJECT SHALL BE PROTECTED BY SEMENT TRAPS SUCH AS 500, STORE, ETC., BHOCH SHALL BE MANTAGED AND INCOPED AS ROQUEDED BY CONSTRUCTION PRODRESS, AND WHICH MASS THE APPROVED BY THE DOWNER BEFORE INSTALLATION.

6. THE CONSTRUCTION OF UNDERGROUND UTILITY CONSTRUCTION: UNDERGROUND UTILITY LINES AND OTHER STRUCTURES SHALL BE DONE IN ACCORDANCE WITH THE FOLLOWING STRADARDS:

A. BANE CARRY MEAS SHALL BE WATERED DURING CONSTRUCTION AS MICESSARY TO MAKE THE PROPERTY OF CONSTRUCTION, BANE LARRY MEASS. C. AT HAY THE BOTH CLERIC AND ATTR SIE CONCRECTION THAT MATERIAL AND/ON VIGILATION ARE NOT DIFFICURE ON CONSIGNATION STORED AND/ON TRANSPORT OF FUTURE CONTROL OF THE CONTR

SECTION 3 CONTROL OF WIND EROSION: 3.1 WIND EXCISION SHALL BE CONTROLLED BY EMPLOYING THE FOLLOWING METHODS AS NECESSARY AND APPROPRIATE:

2.4 HAVY CONSTRUCTION COMPANY PARISHS AND MANITUMNET, MELAS SHALL BE CESSION TO STORMANTS COLLECTOR AND TRANSPORT STORMS, CONVINCIONS SHALL REFORM SHOUL SHOULD SHOUL SHOULD SHOUL SHOULD SHOU 2.5 SLT BARRIERS, ANY SLT WHICH ACCUMULATES BEHIND THE BARRIERS, AND ANY FILL USED TO MICHIGE THE BARRIERS SHALL BE REMOVED PROMPTLY AFTER THE END OF THE MAINTENANCE PERSON SPECIFIED FOR THE BARRIERS. 2.6 WHERE REQUIRED TO PREVENT ERISSION FROM SHEET FLOW ACROSS BARE GROUND FROM DITIONAL A LAKE OR MALE, A TOMPORANT SEDMENT SUMP SHALL BE CONSTRUCTED. THE TEMPORANT SEDMENT SUMP SHALL BE AND SHALL RECORD TO THE SHALL RELIAM IN PLACE UNTIL VECETATION IS ESTABLISHED ON THE GROUND DEARWING TO THE SUMP.

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

30. NEMORPALTY UTLITES GENERAL TELEPHONE NUMBER: MANICIPALITY UTLITES (656-6110)
37. The Minimparty Utlites Construction Section Shall be hotified at least sizem (7) days price to any
discrepatities activity. 2. THE CONTRACTOR SHALL LIMIT THE DISCHARGE OF TURBOD WATERS OFF—SITE, OR INTO ON—SITE/OFF—SITE RETLANDS (OF APPLICABLE), TO NO MODE THAN SO JULY (AUCKSON TURBODITY LIMITS) OR 20 MITS (DEPENDENTED TURBODITY LIMITS), ABOVE MACKEROUND LEVELS. 8. ALL SANTARY MANHOLES SHALL BE LOCATED NO MORE THAN 400 FEET APART AND SHALL CONFORM TO THE DETAILS CONTAINED HEREIN, AS WELL AS MITH ASTM. CATR. 38. THE MUNICIPALITY WATER DIVISION AND THE MUNICIPALITY WASTENATER DIVISION SHALL BE HOTIFIED AT LEAST (7) DAYS IN ADVANCE TO SCHEDULE MUNITIE-HIS AND VALVE OFFENDORS. 3. If MIND EXCISION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE THE AFFICTED MEA USING SPRINKLING, IRRIGATION OR OTHER ACCEPTABLE METHODS. 7. ALL SLOPES FOR GRANITY SEWER MAINS AND SERVICE CONNECTIONS SHALL COMPLY WITH THE FOLLOWING MINIMUM GRADES:  $4^{\circ}$  0 1,00%;  $6^{\circ}$  0 1,00%;  $4^{\circ}$  0 0,40%. B. ALL SANTARY SEMER WORK SHALL CONFORM WITH APPLICABLE MUNICIPALITY ENGNEEPING STANDARDS MANUAL. 39. OPERATION OF MUNICIPALITY VALVES WATER, WASTERATER, AND REUSE VALVES ARE TO BE OPERATED ONLY BY MUNICIPALITY UTILITIES INSPECTOR. ALL VALVES BEING INSTALLED ARE TO REMAIN CLOSED DURING CONSTRUCTION. 40. THE CONTRACTOR SHALL COORDINATE ALL PUMP STATION OPERATION AND SHUT DOWN WITH AN MUNICIPALITY UTILITIES INSPECTIOR. R. PROR TO COMMINION WORK WHOLI REQUIRES CONNECTING PROPOSED FACILITIES TO DISTING LINES OR APPARTEMANCES, THE CONTRACTOR SHALL VERRY THE LOCATION AND ELEXATION(S) OF DISTING CONNECTION FORM(S) AND MOTHY THE OWNER'S ENGINEER OF ANY CONFLICTS OR THE CONTRACTOR SHALL DISURE THAT SILTATION ACCUMULATIONS GREATER THAN THE LESSER OF INCHES OR ONE—HALF THE BEPTH OF THE SILTATION CONTROL BARRIER SHALL BE IMMEDIATELY PRIMODE AND PLACED IN URLAND APRAS. 6. STAKED HAY BALES WILL NOT BE UTILIZED FOR EROSION, SEDMENT AND TURBERTY CONTROL 42. ON-SITE WATER DISTRIBUTION SYSTEM IS PRIVATELY OWNED AND MAINTAINED.

4. ALL SANTARY SEMER MANS, LATERALS AND FORCE MAINS SHALL HAVE A MINIMUM OF 36 INCHES OF COVER, UNLESS OTHERWISE NOTED ON PLANS. 5. ALL GRANTY SENERS MUST BE SOR 28 PVC, EXCEPT FOR PPE DEEPER THAN 14 FEET, IN WHOH CASE SOR 28 PPE SHALL BE USED. BLASTOMERS GASHET JOINTS SHALL BE UTLIZED FOR PIC PPE. AND SHALL COMPLY WITH ASTM F477, ASTM DOOS4 & ASTM F478. JOINTS SHALL COMPLY WITH ASTM PARTY.

3. ALL PVC PIPE SHALL BE SOLID WALL POLYNING, CHLORDE PIPE AND COMPLY WITH ASTN D 3034 AND ALL APPLICABLE ASTN DOCUMENTS AS COMERD IN SECTION NO. 2 OF ASTN D 3034, MAIN LINES SHALL BE A MINIAUN OF 8" CAMETER, AND LATERALS SHALL BE A MINIAUM 6". COMMITTER.

IN CASES WERRE IT IS NOT POSSIBLE TO MAINTAIN A 10 FOOT HORIZONTAE, SEPARATION, THE WILTER MAIN MIST BE INSTALLED IN A SEPARATE TRENCH, OR IN AN INDISTRIBUTE DEATH SHELT, LOCATED ON ONe SECO FITE SERVER OF ROCKEE MAN, A 1200-MAIN ELATION HAT THE BOTTOM OF THE MEXER MAIN IS AT LEAST 18 MICHES / MOVES THE TOP OF THE SERVER LINE, MAD WATER MAD SERVER LINES AND MAIL SETANGERION. THE WATER MAIN SHOULD ALWAYS BE LOCATED ABOVE THE SEWER, JOHTS ON THE WATER MAIN SHALL BE LOCATED AS FAR APART AS POSSIBLE FROM JOHTS ON THE SEMER OR FORCE MAIN (LA.

MODES FOR IS NO ALTERNATE TO SEEP PRES DOCUMENT OFF MATER MANS, THE OFFERM AT THE FORM OF CONTINUE TO SEEP PRES DOCUMENT OF MATER MANS, THE OFFERM AT THE FORM OF CONTINUE SHALL BE ROUTED. THE WATER WAS SHALL BE FLACED A SIZE. THE OFFER OF CONTINUE SHALL BE ROUTED. THE WAS THAN SHALL MANNES SHALL BE AND SHALL BE SHALL BE AND SHALL BE SHAL

SANITARY SYSTEM NOTES: 1. SMATANY SCREEK, FURDIC MANK, AND STOMM SCRIEGS SHALD A MANYS CHOOSE UNCERNATAL MATER MANKS. SMALL MANKS M

TESTING AND INSPECTION REQUIREMENTS (DRAINAGE): 1. THE STORM CRAINACE PPING SYSTEM SHALL BE SUBJECT TO A VISUAL INSPECTION BY THE CHARGES PROBE TO THE PLACEMENT OF INACTILL CONTRACTOR TO MOTETY THE ENGINEER HOURS IN ADMINIST TO SECULLAR INSPECTION.

S. CONSTRUCTION OF THE STORMANIER MANAGEMENT SYSTEM MUST BE COMPLETE AND ALL DISTURBED MAKES STARLINGD IN ACCORDANCE WITH THE PERMITTED PLANS AND CONDITIONS FOR DAY OF THE PERMITTED PLANS AND CONDITIONS FOR THE PERMITTED PLANS AND CONDITIONS OF THE PERMITTED PLANS AND CONDITIONS OF THE PERMITTED PLANS OF THE PERMITTED P 6. NON-MUCK GROWN SOO MILL BE UTILIZED FOR STABILIZATION OF THE PROPOSED STORMMATER RETURNION FAGULTY. MUCK-GROWN SOO MAY IMPIDE THE PERCUATION OF RUMOFF INTO THE GROWN AND IS MUT PROTAMEMENT FOR THE STABILIZATION OF SETTIMENT PROP ROTTOMS.

 ALL STORM SERER PIPE SHALL SE REMPORDED CONCRETE CLASS III (ASTM C-76) UMLESS OFHICINESS MODID ON PLANS, ALL DRAWAGE STRUCTURES SHALL BE IN ACCORDANCE WITH F.D.C.T. ROZMANY AND TRAFFIC DESIDN STRUMANDS UNLESS OTHERWISE NOTED ON PLANS 3. PIPE LENGTHS SHOWN ARE APPROXIMATE AND TO CENTER OF DRAMAGE STRUCTURES, WITH THE EXCEPTION OF MITERED END AND FLARED END SECTIONS, WHICH ARE NOT INCLUDED IN LENGTHS.

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING APPLICABLE TESTING WITH THE SOLS DIGINEER. TESTS WILL BE REQUIRED PURSUART WITH THE SOLS REPORT. UPON COMPLETION OF WORK THE SOLS ENGINEER WILL SUBMIT CERTIFICATIONS TO THE CONNER AND OWNER'S ENGINEER STATING THAT ALL REQUIREMENTS HAVE BEEN WET. A CHALPED TESTING LABORATORY SHALL PERFORM ALL TESTING NECESSARY TO ASSURE COMPLIANCE OF THE IN-PLACE MATERIALS AS REQUIRED BY THESE PLANS, THE WARROUS AGENCIES AND PERMIT CONCRIDES, SHOULD ARK RECISTING HE REQUIRED DUE TO THE FAULINE OF ANY TESTS TO MEET THE REQUIREMENTS, THE CONTRACTOR MLL BEAR ALL COSTS OF SMO RECISTING.

14. SURVEY MONUMENTS OR BENCHMARKS, WHICH HAVE TO BE DISTURBED BY THIS WORK, SHALL BE REPLACED UPON COMPLETION OF WORK BY A REGISTERED LAND SURVEYOR. 15. FINAL GRADES SHOWN INCLUDE SOD HEIGHT, ALL AREAS SHALL BE GRADED TO DRAIN AWAY FROM THE BUILDINGS. TESTING AND INSPECTION REQUIREMENTS (PAVING/GRADING):

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

B. PRICE TO CONSTRUCTING CONCRETE PAREMENT, THE CONTRACTOR IS TO SUBMIT A PROPOSED JOINING PATTERN TO THE SOILS ENGINEER FOR APPROVAL.  $\theta_i$  contractor to provide a 1/2" to 1" bituminous expansion joint material, with sealer at abutment of concrete and other materials (structures, other poured)

7. CURBING SHALL BE PLACED AT THE EDGES OF ALL PAVEMENT, UNLESS OTHERWISE MOTED.
RETER TO THE LATEST EXTRON OF FLO.D.". THOUGHEN AND TRAFFIC DESIGN STAMBARGE FOR
DETAILS AND SPECIFICATIONS OF ALL F.D.D.T. THPE CURB AND QUITTERS CALLED FOR IN THESE
PLANS.

If may be necessary to field adjust pavement elevations to preserve the root systems of these shown to be saided. Compractor to coordinate with owner's engineer prier to any elevation changes.

3. THE CONTRACTOR SHALL EXERCISE CAUTION IN AREAS OF BURIED UTILITIES AND SHALL CALL "SUBSINE" AT 1-800-433-4770 AT LEAST 48 HOURS 1990R TO CONSTRUCTION TO ARRANGE FOR PED LOCATIONS OF PHIRTO INITIATES.

GENERAL NOTES: 1. LOCATIONS, ELEVATIONS, AND OMENSIONS OF EXISTING UTLITES, STRUCTURES AND OTHER PLANTES AND SHOWN ACCORDING TO THE REST INFORMATION ANALARLE AT THE TIME OF PREPARATION OF PRESE PLANS. HE EDISTRUCTURENT APPROPARATION FOR THESE PLANS. HE EDISTRUCTURENT APPROPARATION OF THESE PLANS. HE EDISTRUCTURENS ALL DESTING UTILITIES HAVE BEEN FIELD WERE ASSOCIATED AND AREAS OF INTEREST. 2. PRIOR TO THE INTUINION OF SITE CONSTRUCTION, THE CONTRACTOR SHALL VERBY ANY EXISTING UTILITIES INCLUDING ONE, INVEST, ELECTRIC, CABLE TV, COMMUNICATIONS, SANTARY SERIES AND STORN LEARNING SYSTEMS, ON MO / OR AUGUST 10 THE STEEP REMOVE OF CAP AS NECESSARY.

4. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THE WORK PRIFFORMED, BY THE CONTRACTOR OS UNE-CONTRACTORS, AS CALLED FOR IN THESE CONTRACT CONCIDENTS.

IT IS THE CONTRACTOR'S PESPONSBULTY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS SPECIFIED BY THE VARIOUS CONSTRUCTION. ASSOCIES AND THE ENGINEER. THE CONTRACTOR SHALL DISTANT ALL NECESSARY PERMITS PROY TO CONSTRUCTION, AND SCHEDULE INSPECTIONS ACCORDING TO ACCOUNT ADMINISTRATION.

THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, ON ALL PRECAST AND MANUFACTURED ITEMS, TO THE CONDUCTS DIABREE FOR APPROVAL FALLINE TO COSTAIN APPROVAL BEFORE INSTALLATION MAY PERSALT IN REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S SPEPINGS.

7. ALL UTLITY SERVICE STUB-OUTS (WATER, SANITARY SEWER, etc.) ARE TO BE INSTALLED WITHIN 5" OF BUILDINGS'S, LINLESS OTHERWISE MORED ON PLANS.

A. CLIENT THE CONSTRUCTION AND/OR MAINTENANCE OF THIS PROJECT, ALL SAFETY REGULATIONS ARE TO BE DIFFORCED. THE CONTRUCTOR OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE CONTRUC AND SAFETY OF THE TRANSLING PUBLIC AND THE SAFETY OF HIS ARREST PUBLIC AND THE SAFETY OF HIS ARREST PUBLIC AND THE SAFETY OF THE

B. LABOR SAFETY REGULATIONS SHALL COAFGEM TO THE PROVISIONS SET FORTH BY CISHA IN THE FEDERAL RECISTER OF THE DEPARTMENT OF TRANSPORTATION.

C. THE MINIMAN SYMMANDS AS SET FORTH IN THE CONSENSE DITION OF "THE STATE OF FLORENA, MANIAL, ON THAT PLO CONTROL, AND SAFE PRICINGS FOR STREET AND HIGHMAN CONSTRUCTION, MEMORY TO CONTROLL THE CHARGE AND THAT THE CHARGE WE SHARE AND THE CHARGE AND THE CHARGE AND THAT THE CHARGE WHEN IN CHARGE AND EMPRISH RECESSION TO PROTECT THE FLIBED AND CONSTRUCTION PROCESSION TO PROTECT THE FLIBED AND CONSTRUCTION.

D. ALL TRAFFIC CONTROL MARGINGS AND DEWICES SHALL CONFORM TO THE PROMISIONS SET FOR IN THE MANUAL ON LINFORM TRAFFIC CONTROL DEWICES PREPARED BY THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL MORPHAY ADMINISTRATION.

E. ALL SLESUMFACE CONSTRUCTION SHALL COMPLY WITH THE THENCH SAFETY ACT. THE CONTROL SHALL HOUSE THAT THE METHOD OF TERMIN PROJECTION AND CONSTRUCTION IS IN COMPLIANCE WITH THE COORDINATIONAL SAFETY AND HEALTH ADMINISTRATION (COMA) SECULATIONS.

TI SHALL SE THE SOLE SESTIMBLES WE'LL HEALTH ADMINISTRATION (SOLE) SECRLATORS

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APPLICAGE SESTIM SECRLATORS. THE ABOVE METIDATION HIS EEER PROPERTY OF THE
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13. IT SHALL BE THE RESPONSESUITY OF THE CONTRACTOR TO GETWIN AN "ON-SITE PPRING PRIMAT FOR FEGURE OF THE CHARGO) FOR CONTRACTOR OF THE REPORCED UTLIES. THIS FEMALE HELD SHADE FOR ALL VILLEGATE PRIMARY CONTRACTOR (OR ACCOUNT AND FEMALE) AND ALL VILLEGATE PRIMARY CONTRACTOR (OR ACCOUNT AND FEMALE AND ALL VILLEGATE AND ALL SHADE OF THE CONTRACTOR OF THE OWNER, AND ALL SHADE OF THE OWNER, AND ALL VILLEGATE OWNER, AND ALL VI

12. ALL SPECIFICATIONS AND DOCUMENTS REFERENCED HEREN SHALL BE OF THE LATEST REVISION.

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

15. ALL DISTURBED AREAS WITHIN THE FOOT R/W SHALL BE SCOOLED WITH ARGENTINE BAHA SOO.

96. WHERE APPLICABLE UTILITY TRENCHES CROSSING PAYMENT AREAS SHALL BE BACKFILLED WITH CRANLLAR MATERIAL IN THEIVE INCH. (12") LAYERS AND COMPACTED TO INNETY EXHT PERCENT (88 S) MAXIMUM CERSITY AS DETERMINED BY ARCHIO T—19 OR T—238.

"AS-BUILT" INFORMATION SHALL HICLIDE INVERT ELEVATIONS, LOCATIONS OF STRUCTURES FOR ALL UTILITES INSTALLED, AS WELL AS GRADE BREAK LOCATIONS AND ELEVATIONS FOR PROPOSED

2. PRIOR TO JAY SITE CLEARING, ALL TREES SHOWN TO REMAIN, AS ROCATED ON THE CONCRETIONS PLANS, SHALL BE PROTECTED IN ACCOUNTED WITH LOCAL THE CORMANIZATION OF THE COMMISSION SERVICIONATION TO MAKEN WHITE A PROPOSAL THOSE SERVICION OF THE COMMISSION SERVICIONATION TO MAKEN WHITTEN APPROVAL THOSE SEC CHROCK AND THE LOCAL ACQUITY HAVING ARRESOLTION OVER THESE ACTIVITIES.

3. THE CONTRACTOR SHALL CLEAR AND GRUE ONLY THOSE PORTIONS OF THE SITE NECESSARY FOR CONSTRUCTION, ALL DISTURBED AREAS MUST BE SEEZED, MUCHED, SODDED OR PLANTED WITH OTHER APPROVED LANGUAGE MATERIAL, IMPRICATELY FOLLOWING CONSTRUCTION.

4. THE TOP 4" TO 4" OF GROUND REMOVED DURING CLEARING AND ORDERING ACTIVITIES SHALL BE STOOPHED, TO BE USED FOR LANDSCAPING PURPOSES, UNLESS ORDERING ERRORDED BY THE OWNER, SHARMING EARTHWIGHT HE ROULES FIRM CLARING AND ORDER TO EXTRACT OF THE OWNER'S SOURCE STOOPHED ON-STEEL FOR THE OWNER'S SOURCE STOOPHED ON-STEEL, AS DESCRIBED BY THE OWNER'S SOURCE STOOPHED ON-STEEL, AS DESCRIBED BY THE OWNER'S SOURCE AND OWNER'S SOURCE A

CHART OR CHARTS ENCHEDE, OR FEMOLID FROM THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING ANY EXCESS MATERIAL FROM THE SITE.

All Editing Debris (Above or Below Ground), construction Debris and other waste material small be deposed of off-site by the downractor, in accordance with applicable regulations, acadicy requirements.

 $\alpha$  . The contractor is to prepare the site in accordance with the sols report, copies of which are avalable through the owner or sols testing company directly.

CONTRACTOR TO BE RESPONSIBLE FOR INSTALLATION OF TEMPORARY CONSTRUCTION FENCE ARCLING DURBLE PRIMACTER OF PROPERTY. TYPE OF FENCE TO BE SUBMITTED BY CONTRACTOR TO PROMERTE FOR APPROXIM.

L COMMISCRE SI DI RIGICAE ESSONA CONTRO, CRISSIANTANO RAPPORTO (SILITANO CUSTANO). DI PREDITI SILILATO, CONTROLLO SI ALUCATA ROPPORTO, VIGILIZZA SINONA DI RIGICATA, COMPRECIO SILILATO, CISTANO, MICCO RE DIRES SILITANE L'ALUZARI, UN SILILATO SILILATO, CISTANO, MICCO RE DIRES SILILATO, CISTANO, MICCO RE DIRES SILILATO, CISTANO, MICCO RE DIRECTORI CONTROLLO SILILATO, CISTANO DI RIGICATO, CISTANO DI RIGICALI SILILATO, CISTANO

17. ALL DMENSIONS ARE TO FACE OF CURB.

CLEARING AND SITE PREPARATION NOTES:

AS BUILT:

2. THE CONTRACTOR SHALL MANTAIN AND PROTECT FROM MUD, DRT, DEBRIS, ETC. THE STORM DRAMAGE SYSTEM UNITE FINAL ACCEPTANCE OF THE PROJECT. THE STORM SYSTEM WILL BE REMORPECED BY THE OWNER'S DUMBER PROOF TO APPROACE FOR CERTIFICATE OF OCCUPANCY PURPOSES. THE CONTRACTOR MAY BE REQUIRED TO BELLEAN PRISS AND INJETS FOR THESE PURPOSES.

4. ALL DRAWAGE STRUCTURE GRATES AND COVERS, ETHER EBSTING OR PROPOSED SHALL BE TRAFFIC RATED FOR H-20 LOADINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NOTICE SHALL BE SERVICED FOR THE SHALL SHALL BE SESPONSIBLE FOR ANY NOTICE SHALL BE SHALL SHA

STORM DRAINAGE SYSTEM NOTES: 1. STANDARD INDEXES REFER TO THE LATEST EDITION OF F.D.O.T. "ROADWAY AND TRAFFIC DESIGN STANDARDS"."

10. ALL PAVEMENT MAPRINGS SHALL BE MADE IN ACCORDANCE WITH F.O.O.T. STANDARD INDEX 11. THE CONTRACTOR THAL STANDARD BY SEED AND MALON, 200, OR OTHER APPROVED MATERIALS ANY BOSTREED MEASS WITH ONE MEET PRACTICATION CONSTRUCTION OF THE UTILITY STITES AND PARMENT MEASS. CONTRACTOR STANDARD MANAGEMENT AND THE UTILITY STITES AND PARMENT MEAST CONTRACTOR TO CONSTRUCT WITH CONTRACTOR TO CONTRA

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

4. PROPOSED SPOT ELEVATIONS REPRESENT FRISHED PAVEMENT OR GROUND SURFACE GRADES, UNLESS OTHERWISE MOTED.

 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCANATIONS AGAINST COLLAPSE AND MILL PROVINCE BRACING, SHETTING OR SHORNOV AS INCISSANY, CERNITARIOS METHODO SHALL BE USED AS REQUIRED TO MEET PROMISES ONLY MILLE PIET AND APPLICITAMICES ONE BEING PLACED. 3. ALL NECESSARY FILL AND EMPANOMENT THAT IS PLACED DURING CONSTRUCTION SHALL CONSIG OF MATERIAL SPECIFIC BY THE OWNER'S SOLIS TESTING COMPANY OR ENGINEER AND BE PLACED AND COMPACTO ACCORDING TO THISSY PLACE.

PAVING AND GRADING NOTES: A. ALL CULTURED PROGRAMS UNITED, \$1, MINO, \$141, MINO, \$161, \$1, 00 ST DOLLARD AND STREET OF STREET, \$1, 00 ST DOLLARD AND STR

CONTRACTOR TO INSPECT & TEST MANHOLE FOR WATERTONINESS OR DAMAGE PRIOR TO FLACING INTO SIENCE. ARE TESTING, IF SPECIFIED FOR CONCEPTE SINNER MANHOLES, SHALL CONFORM TO THE TEST PROCEDURES ISSUED IN ASTIN 6-1244.

A. CONNECTION TO PRISHOM APPROPRIATE EFFICIENCY BISTS FOR ALL FLORIES PRE. TESTING OS REQUINDO THETO, HE FINAL BLOTZEL HAS EDITE HE FLOCK AT LEGET 3D JUNES TO FORMER ALL FLORIES AND FLORIES HE F

1, ALL DOWN'T SIZES FROM SHALL SE SALECT TO A MUSIL RESISTION OF THE OWNERS AND SHALL RESISTION OF THE OWNERS AND SHALL RESISTION OF COMMITTIES ON ALL RESISTION OF REPORT OF THE OWNERS AND SHALL RESISTION OF THE OWNERS AND SHALL RESISTING OF THE YE MEDICAL RESISTION OF THE OWNERS AND SHALL RESISTING OF THE YE MEDICAL RESISTION OF THE OWNERS AND SHALL RESISTING OWNERS AND SHALL RESISTING OWNERS. THE OWNERS AND SHALL RESISTING OWNERS AND SHALL RESISTING OWNERS AND SHALL RESISTING OWNERS. THE CONTRACTOR SHALL PERFORM AN INFLITATION/DISTRACTOR TEST ON ALL GRANTY SENESS IN ACCORDANCE WITH THE REQULATORY ASSECT HAVING JURISDICTION, SAID TESTS ARE TO BE CONTRIBE BY THE ELECTRON OF RECORD AND SUMBITIED TO THE REQULATORY ADDICTYOR APPROVAL. THE SEPECTURE, COORDINATION AND MORFICATION OF ALL PARTIES IS THE

TESTING AND INSPECTION REQUIREMENTS (SANITARY):

14. PLUG VALVE TO BE INSTALLED VERTICALLY AND TAPPING VALVE TO BE INSTALLED HORIZONTALLY AND ABANDONED IN THE OPEN POSITION.

11. SANTARY SENER MAINS SHALL HAVE SUITABLE MAGNETIC LOCATOR TAPE(S) BURIED AT LEAST 18 MONES ABOVE THE MAIN LINES. 12. FORce wans shall have suitable magnetic locator tape(s) buried at least 18 inche above the water wan. 13. ON SITE WASTEMATER COLLECTION SYSTEM AND PUMP STATION IS PRIVATELY OWNED AND MAINTAINED.

6. If the other line is a reclaimed water line and the above separation reclarements are not met, upgrade the reclaimed baser line material, to cucifile iron on encased the fire in concrete. 7. DEMATIONS AND OTHER ALTERNATIVES SHALL BE CONSIDERED ON CASE-BY-CASE BASIS AND MUST RECEIVE SPECIFIC APPROVIAL BY D.E.P. PROCE TO MATERIATION. 8. THEPE SHALL BE AT LEAST A SIX (4) FOOT SEPARATION BETWEEN WATER MAINS AND SANITARY SERER FORCE WAMIS WITHOUT DEEPTION. FIELD PROBLEMS SHALL BE REPORTED TO THE ENGAGER. SPECIAL SOLUTIONS WIST BE ACCEPTED BY D.E.P. PRIOR TO IMPRIBITATION. 9. NO MATER PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF A SANITARY SEMER MANHOLE OR STORM SEMER STRUCTURE.

4. IF THE MINIMUM ALLOMABLE SIX (6) FOOT HORIZONTAL SEPARATION OR SIX (6) MOHES VERTICAL SEPARATION IN A SEPARATE TRENCH CANNOT BE MANTAMED. LIPORACE THE MATER MAIN TO DUCTLE HIGH IF THE OTHER LINE IS A STORM SEMER. S. If The Non-Conforming line is a granty sanitary seier, and six (4) foot horizontal separation or six (6) inches vertical separation in a separate termic cannot be maintained. Lephane the granty sanitary seier (if being newly nestaled) to anno 4-bod, dr. 18 foc and independently test it to 15 do 78.

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TO, A MINIMUM OF MERTICAL SEPARATION OF SIX (6) INCHES [THELVE (12) INCHES PREFERRED] DUTSDE TO DUTSDE SHALL BE MAINTAINED RETURN MATTE MAIN CAMITARY CRANTY SPAFE STORM SPARE OR RECOMMENT MATTE LIMPS.

THE ORDINGS SHALL BE AMENDED SO THAT SHEER ARMS AND BREAT ACRES SHALL BE (DESCRIVE FIRM THE PAYED FOR THE AMENDED FOR THE AMENDED FOR THE AMENDED FOR THE AMENDED FOR THE RESERVENCE OF THE RESERVENCE OF THE RESERVENCE OF THE AMENDED FOR TH

ALL CHOSSINGS SHALL BE ARRANGED SO THAT THE SEBER PIPE JOINTS AND THE WATER MAIN PIPE JOINTS ARE EQUIDISTRAT FROM THE POINT OF CHOSSING (I.A. PIPES CONTINED ON THE CHOSSING).

11. WHEN THERE IS LESS THAN 6" VERTICAL CLEARANCE BETWEEN THE WATER MAIN AND STORM SEVER. THE WATER MAIN SHALL BE EPIRALED TO DUCTLE HOW. ONE FULL LENGTH OF PPE SHALL BE CONTEXED AT THE POINT OF CROSSING.

12. IF THE HON-CONTORMING LINE IS A SANTARY GRANTY SERER WHERE THERE IS LESS THAN SIX (4) INCHES VERTICAL CLEARANCE FROM THE WATER MAINL UPGRADE THE SANTARY GOARTY SEREN TO ARRIX C-80 D.R. 16 PMC AND HORGISTACHLY TEST IT TO 10 PSI. PME SANTAL EL LOCALED SO THAT LOWES ME AS FAR AS POSSIBLE FROM EACH OTHER.

13. IF THE OTHER USE IS A RECLAMED WATER USE AND THE ABOVE MINIMUM SEPARATION IS NOT MET, UPGRADE THE RECLAIMED WATER USE MATERIAL TO DUCTLE FROM OR ENCASE THE PIPE IN CONCRETE.

15. IT IS PREFERABLE TO LAY THE MATER MAN ABOVE THE CROSSING HAZARD. WHEN WATER MAIN MIST BE BELOW OTHER PIPE, THE MINIMUM VERTICAL SEPARATION IS TRIEVE (12) INDIES.

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

17. THERE SHALL BE A SX (6) MCH MERTICAL SEPARATION BETREEN WATER MANS AND SANTERFY SERER FORCE MARKS AT DISCISSION WHICH DISCIPSION. COMPLICES WITH EXISTING LINES, WHERE IT IS NOT PROBLED TO MARKINA THE REQUIRED SEPARATION, SHALL BE REFORMED TO THE EXPORTED STOCKES, SQUITTONS MIST BE ACCEPTED ON DLIF, PROBLE TO

18. ALL DIP PIPE SHALL BE CLASS 50 OR HIGHER, REFER TO MOTE 1/24 BELOW FOR ACCITIONAL DIP SPECIFICATIONS. AGEOLATE WESSINGS. AGAINST COMPASSION SHALL BE UTILIZED.

12. ALL MATER MAN PIPE RITINGS AND APPURIDANCES SHALL DUCTLE IRON AND BE INSTALLED TO COMPLY MITH MANICIPALITY STRADMED MID. SPECIFICATIONS.

21. ALL WATER SERVICE LINES, VALVES AND METERS SHALL BE INSTALLED TO COMPLY WITH APPLICABLE MUNICIPALITY/AGENCY EXPANDENT'S STANDARDS AND SPECIFICATIONS.

All water system construction, up to and including point of metering and back flow prevention (if required), shall be built according to the previously referenced standards and specifications.

24. FRE HYDRANTS SHALL BE OF A TIPE OR STILE SHALL COMPLY WITH THE REQUIREMENTS OF THE MATER UTILITY THAT SUPPLES THE DEVELOPMENT. PRIVATE HYDRANTS SHALL ALSO COMPLY WITH MATCHALL FIRE PROTECTION ASSOCIATION STANDARD HYPA 24. PRIVATE FIRE STREAM MARIS AND THE APPLY REPORT AND THE APPLY THAT THE STREAM MARIS AND THE APPLY REPORT AND THE APPLY THAT THE STREAM THAT THE STREAM MARIS AND THE APPLY REPORT AND THE APPLY THAT THE

26. CONTRACTOR TO INSTALL TEMPORARY BLONDFS, AT THE DID(S) OF PROPOSED WATER MAINS AND SERVICE LATERALS TO BUILDING(S), TO ASSURE ADEQUATE FLUSHING AND DESIVECTION/OLLOWINSTON.

27. ALL WATER MANS SHALL BE PRESSURE TESTED IN ACCORDANCE WITH AWAR MANUAL M23, CONCERNING HORIGITATIC TESTING OF PVC PIPMG. OFF-SITE UTLITIES HYDROSTATIC TESTING TO BE WITNESSED BY MANICIPALITY WATER CEPARTMENT

28. ALL WATER MAINS SHALL BE STERUZED IN ACCORDANCE WITH THE APPLICABLE SECTION OF THE LATEST ANNA SPECIFICATION DIST AND MANOPALITY. BATER DEPARTMENT SPECIFICATIONS.

29. ALL PVC BATER MAN, 4" TO 8" DIMMETER PPRIA, SHALL CONFORM TO ASTM 02241 AND ASTM 1784, PIPE SHALL BE ANNA C-000 DR-18. JOINTS SHALL BE RESERF GOODTED PLOSH-ON CONFORMED TO ASTM 03802, FOR PIPES LESS THEM 4". THEY SHALL MATE THE REQUESTMENTS OF SECONS ASSALL OF THE CITY'S STANMAND SPROPLACHINGS FOR UNLIFIES CONTRIBUTION.

30. ALL POLYMYN, CHLORGE PPE SHALL BE LAD WITH AM INSULATED 12 GAINE AIRC, SOLD STOMD COPPER WER WOUND ARCHOO THE PPE FORMAD ONE COMPLETE SPRAL PER LOUT OF PPE. THIS WER IS TO BE CONTINUOUS WITH SPUCES MADE ONLY BY METHOD

31. FIRE LINES SHALL BE INSTALLED BY A CONTRACTOR, DULY LICENSED BY THE STATE OF FLORIDA FIRE WARSHALL'S OFFICE, CONTRACTOR TO VERIFY REQUIREMENTS PRIOR TO CONSTRUCTION OF THE FIRE PROTECTION SYSTEM.

34. THE MUNICIPALITY DISPATCH OPERATOR SHALL BE NOTIFED OF ANY BREAK OR DAMAGE TO THE GRANITY SEVER OR WATER MAIN.

33. ALL DAMAGE TO MENOPALITY'S MANS SHALL BE REPARED BAMERARELY BY THE CONTRACTOR AT THE CONTRACTOR'S DOPING. IF THE REPART IS NOT MADE IN A THELY MANNER, AS CELEBRADED BY THE MANOPALITY UTILITIES INSPECTOR, MANOPALITY AND TRESCOR REPARTS AND THE CONTRACTOR THE CONVERTE FOR REPARTS.

32. FRE PROTECTION SHALL WEET ALL THE REQUIREMENTS OF THE APPLICABLE MUNICIPALITY OR COUNTY. 33. THE CONTRACTOR SHALL DEPICISE EXTREME CAUTION WHEN EXCAVATING IN PROGRAPTY OF MASTERANCE FORCE MAINS AND GRANTY SEWERS. FROM: MAIN MAD SEWER LOCATIONS SHOWN ON PLANS ARE NOT EXACT OR GUMANNIEGO. CONTRACTOR IS RESPONDED FOR FEED VERFING.

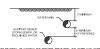
22. ALL DUCTLE HON PIPE,  $4^{\circ}$  TO  $24^{\circ}$ , shall be manufactured in accordance with the latest edition of awar c151/23.51. PIPE Shall be planned in 18 or 20 foot sections, pipe theoress shall be class 50, unless otherwise specific.

14. SPECIAL STRUCTURAL SUPPORT OR CONDICTE SACRLES WAY BE NECESSARY AT THE CROSSING LOCATION

20. ALL WATER WANS SHALL BE INSTALLED WITH A MINIMUM OF 36 INCHES OF COVER.

25. ALL HYDRANTS SHALL MEET THE ORTERIA SET FORTH BY MUNICIPALITY

3. IN APEAS WREEL IT IS NOT PRACTICAL TO MAINTAIN THE REQUIRED SEPARATION, THE MATER MAIN MIGHT BE LAID IN A SEPARANE HEADON OF AN INDESTINED LAWIN SHEEL LOCATION OF THE SANSTHAY CRAIM'S SERVES, STOMM SERVER ON RECOMMEND WATER LIKE AT SOOM AN LEQUATION THAT THE OPTION OF THE WRITE WANTS AT LIKEST SE (6) MODES



1. A MANAGEM HORIZONTAL SEPARATION OF SIX (6) FEET [TEN (10) FEET PREFERSED) OUTSIDE TO OUTSIDE SHALL BE MANTAINED BETWEEN MATER MAINS AND SANITARY CRAWITY SZERIF OR SANITARY FORCE MAINS. A MINIMAIN HORIZONTAL SEPARATION OF THREE (3) FEET OUTSIDE TO OUTSIDE SHALL BE MAINTAINED BETWEEN WATER MAINS AND STORM SEMENS OR RECLAIMED WATER LINES CARRYING UNRESTRICTED PUBLIC ACCESS RELISE WATER.

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WATER SYSTEM NOTES:

2. CONTRACTOR TO PERFORM CHLORINATION AND BACTEROLOGICAL SAMPLING, AND GRIAN CLEARANCE OF DOMESTIC AND FIRE LINE WATER SYSTEM(S), COPES OF ALL BACTEROLOGICAL TEST RESULTS ARE ON DE SUBMITTED TO THE OWNEYS DOMESTER FOR CERTIFICATION PROFOSES. Consistent with ordinance no. 06-2019 the City has granted a baste haller circulate roots to har saste and rouse descorda, and achieves consistent uses) with the City Lants of the 2014. The Propose, all baste bankedent, roused bit first lained to, seeks and other refuse greenand curry; the Land Clearage and Construction frame.

A NOT MORE THAN 100 FEET OF TRENCH SHALL BE OPEN AHEAD OF PIPE LAYING OFFERATIONS AT ONE TIME UNLESS A GREATER LENGTH OF OPEN TRENCH IS APPROVED BY THE OFFERENCE OFFERATION. TESTING AND INSPECTION REQUIREMENTS (WATER): B. INVERENCE CONSISTENT WITH SAFETY AND SPACE CONSIDERATION, DICANATED MATERIAL, SHALL BE CAST TO THE UPPEL SIDE OF TRENCHES, TRENCH MATERIAL SHALL NOT SE CAST INTO OR ONTO THE SLOPE OF ANY STREAM, CHAMBLE, ROAD, OFFOR OR MATERIAL. ALL COMPONENTS OF THE MATER SYSTEM, INCLUDING PITTHES, HYDRANTS, CONNECTIONS, AND WARM MACHINE PROSERVE TISTS OF BY ADDRESSMENT STEED AND ACCOPTED BY THE OWNER'S DAMBLEY, PRESSMENT TISTS OF BY ADDRESSMENT WITH MACHINETY OF USES.
 EXPANSION SPECTOCK ON CONTROLLER OF THE PROSERVE TISTS.
 ADDRESSMENT SPECTOCK ON THE ADDRESSMENT TISTS. 7. ALL EROSON AND SILTATION CONTROL DENCES SHALL BE MAINTENANCE: TO REQUIRE DAILY INSPECTIONS BY THE CONTRACTOR TO DETERMINE THE EFFECTIVENESS OF EROSION/SEDMENT CONTROL (FFORIS), ANY MICESSARY REMEDIES SHALL BE PRIFORMED IMMEDIATELY

A SEGMENT EASE AND TRANSPORT THE EXPERIENT SERVICE STEPS, SECREDIT AND ASSOCIATION, AND THE SERVICE AND CONTRACT TOPPOSE ASSOCIATION TO THE SECRETARY AND CONTRACTOR RESPONSE RESPONSE TO SECRETARY AND CONTRACTOR AND CONTRACTOR OF ANY ASSOCIATION AND ASSOCIATION AND ASSOCIATION AND ASSOCIATION AND ASSOCIATION AND ASSOCIATION AND ASSOCIATION A 2.1 SURFACE WATER QUALITY SHALL BE MAINTAINED BY EMPLOYING THE FOLLOWING BMPS IN THE CONSTRUCTION PLANNING AND CONSTRUCTION OF ALL IMPROVEMENTS. 2.2 WHERE PRACTICAL, STORMWATER SHALL BE CONNEYED BY SWALES. 2.3 DOSGON CONTROL MEASURES SHALL BE EMPLOYED TO MINIMAZ TURBUST OF SURFACE WATERS LOCATED DOMESTICAM OF MIST CONSTRUCTION ACTIVITY. BHILL THE VANDOUS MEASURES REQUIRED MILL BE SHE SHEDRY, THEY SHALL BE EMPLOYED AS MEETED IN ACCORDANCE WITH THE FOLLOWING. FULLY OPERATIVE BEFORE MAY OTHER DISTURBANCE OF THE SITE BEGINS, EARTHEN STRUCTURES INCLUDING BUT NOT LIMITED TO BERMS, EARTH FILTERS, DAMS OR DISES SHALL BE STABLIZED AND PROTECTED FROM CRAIMAGE DAMAGE OR ERGIGIN WITHIN ONE WEEK OF INSTITULATION. s. All sinkles, ditches and channels: channels leading from the site shall be socced with argentine baha within three (3) days of excavation.

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

1.2 CLEARED SITE DEVELOPMENT AREAS NOT CONTINUALLY SCHEDULED FOR CONSTRUCTION ACTINITIES SHALL BE COVERED WITH HAY OR OVER SEEDED AND PERCONCALLY WATERED SUFFICIENTLY TO STABILLY THE TEMPORATY GROUNDOOVER. 1.3 SLOPES OF BANKS OF RETENTION/DETENTION PONDS SHALL BE CONSTRUCTED NOT STEEPER THAN 59: TV FROM TOP OF BANK TO TWO FEET BELOW CONTROL ELEVATION. 1.4 900 SHALL BE PLACED FOR A 2-FOOT WIDE STRP ADJOINING ALL CURBING AND AROUND ALL INLETS AND 500 SHALL BE PLACED BEFORE SLT BAPRIERS ARE REMOVED.

SECTION 1 GENERAL EROSION CONTROL 1.1 CHERRAL EXCISION CONTROL BMFS SHALL BE EMPLOYED TO MINIMEZE SOL EXCISION AND PORDHIAL PORD SLOPE CANE-ING. WRILE THE WINCOLS TECHNICLES SECURED WILL BE SITE AND PLAN SPECIFIC, THEY SHOULD BE EMPLOYED AS SOON AS POSSBLE DURING CONSTRUCTION ACCUMENS.

THE WHOUS EXHANCES OF ACTIONS DIMITIFED UNDER EACH SECTION RIGHARD THE MATERIANS STATEMENT OF THE TOWNS SHOULD BE USED ON THE CONTROL OF A TOWN OF THE CONTROL OF A TOWN OF THE MATERIANS SECTION OF

2. PROTECTION OF SURFACE WATER QUALITY DURING AND AFTER CONSTRUCTION.

BEST MANAGEMENT PRACTICES: THIS PLAN HAS BEEN PREPARED TO ENSURE COMPLIANCE WITH APPROPRIATE CONDITIONS OF MEMORPHITY DEVELOPMENT REGULATIONS AND SPINAD. THE PLAN ACCRESSES THE FOLLOWING MEMORPHIST DEVELOPMENT REGULATIONS AND SPINAD.

4. If contractor encounters suty/clay sand, which cause the water to become turbed, ec/see sand, treat the sembert basin with chemical according such as allum in order to premote the conculation of the particular which allow that to still and the water to PRODUCE THE CONFIGURATION OF THE PARTICLES WHICH ALLOW THE TO SETTLE AND THE WATER TO BECOME LESS THERD. IF THERD WATER DECONTRED DURING DICHARDON OF THE PORCS, THE CONTRACTOR SHALL NOTIFY THE DISABLES OF RECORD MANDICARDY TO DETERMINE THE COLURS; OF ACTION THAT IS APPROPRIATE TO ELIMINATE THE TURBITY AND ALLOW DISCHARDE THAT MEET WATER WATER TERMINED.

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

1. REPORT THE DISCUSSION OF THE STORMANTE PRIOR, THE CONTRICTOR MUST CHEMISTRY AS CONTRICTOR WHITE PRIORISE ADDRESS OF THE RESERVANT, ARE STEARN ITS AREA COLL IN THE PROPOSED EDUCATION MEAN OF A PHON OF IT CHE HE A BEBINE MASK AND CHEMIST AND THE PROPOSED EDUCATION MEAN OF A PHON OF IT CHEMIST AND THIS WELL WELL AND CHEMIST AND THE STORMANT AND ANTICE WHITE SO CLUS STORMANT AND THE PROPOSED WITH THE STORMANT AND ANTICE WHITE SOLUTION STORMANT AND AND THE PROPOSED AND THE CHEMIST WAS THE RELIGIOUS INTO THE CHE-STE RELIGIOUS PROPOSED THEFE IS NO ADMINISTRATION OF EASTERN REMOVED.

48. ALL UNCERCROUND MANS SERVING THE HIDRANTS OR FIRE PROTECTION SYSTEMS ON PRIVATE PROPERTY MUST BE PERMITTED PRIOR TO INSTALLATION, THE CRAIMING SHALL INDICATE THAT ALL UNDIPORTUNO FIRE MANS WILL BE INSTALLED IN ACCORDANCE WITH MIPA, 24, 2016 EXTRICAL DEWATERING NOTES:

47. CONTRACTOR SHALL NOTFY THE MUMOPALITY PUBLIC UTILITIES CONSTRUCTION DEPARTMENT 48 HOURS PRIOR TO ANY UTILITIES CONSTRUCTION. PHONE (407) 838-7274 48. ALL UTLITES CONSTRUCTION CONNECTING TO THE OCPU SYSTEM SHALL CONFORM TO MUNICIPALITY MANUAL OF STANDARDS AND SPECIFICATIONS FOR BASTEWATER AND WATER MAIN CONSTRUCTION.

45. COMPRACTOR IS TO ADJUST ANY UTILITY ELEMENT MEANT TO BE FILISH WITH GRADE (CLEAN OUT MANUALES, CATION BASINS, MALES, ETC.) THAT IS AFFECTED BY SITE WORK OR GRADE CHANGES, WRITTER SPECIFICALLY NOTICE ON PLANS OR NOT. 46. A SIGN SHALL BE PLACED AT IRRIGATED AREAS WITH THE WORDS "PRIGATION BY REUSE WATER. SO NOT DRINK".

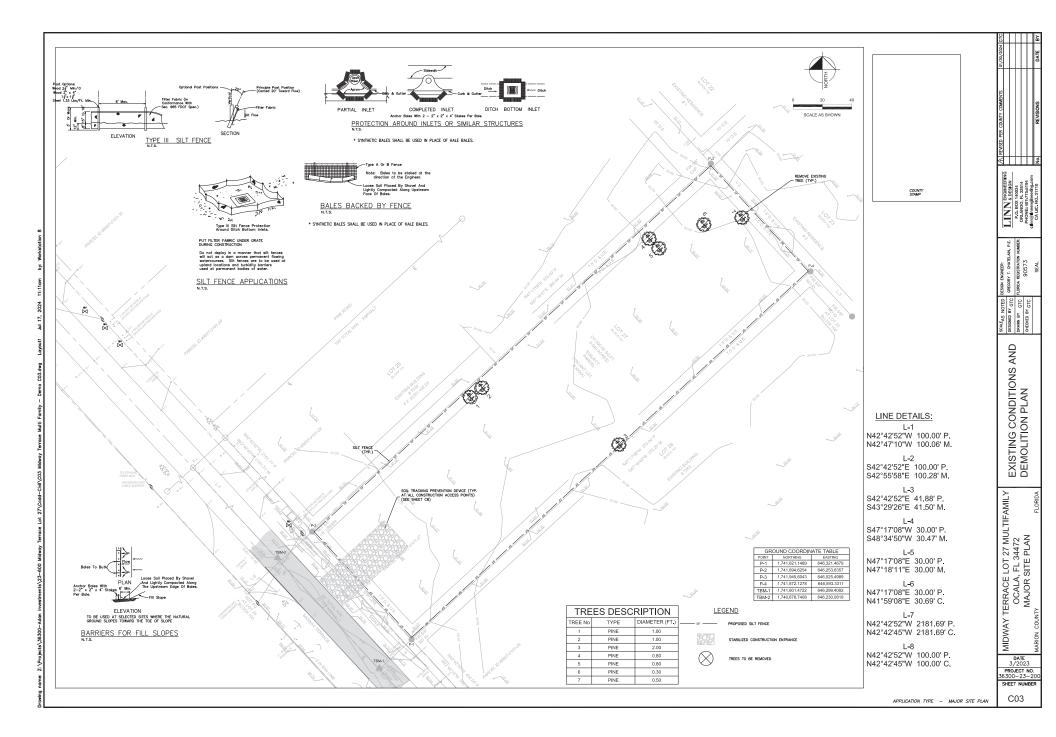
43. MHERE APPLICABLE UTILITY TRENCHES CROSSING PAWEMENT AREAS SHALL BE BACKFILLED WITH GRANULUR MATERIAL IN TRELVE INCH (12<sup>7</sup>) LAYERS AND COMPACTED TO MINETY EIGHT PERCENT (465) MAXIMIN DINNETY AS DITFERMANED BY ALEXED TO MINETY SIZE OF THE PARTY OF ALEXED TO MINETY SIZE OF THE PARTY OF ALEXED TO THE PARTY OF THE P 44. ALL UNSITIABLE MATERALS UNDER WATER PPES SHALL BE REMOVED AND REPLACED WITH SELECTED BACKFELL COMPACIED TO MINETY-FIVE PERCENT (MSIS) OF ITS MAXIMUM GENETY AT TWO PERCENT (2.00) MORE OLESS OF OPTIMUM MOSTURE CONTENT AS GETERMINED BY THE MODIFED PROCTOR TEST (ASTIM 19557).

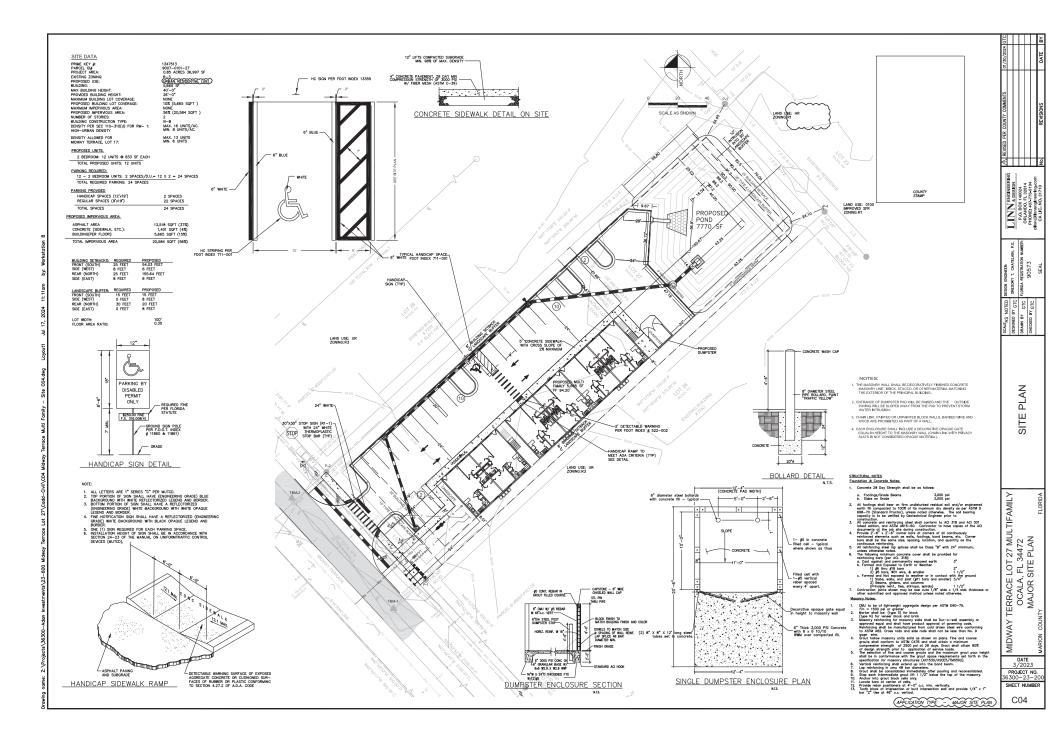
WATER SYSTEM NOTES CONTINUED:

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LINN & CANTON OF THE PHONE: 407-7 CHANGING

SREGORY T. CHATELA





COUNTY STAMP

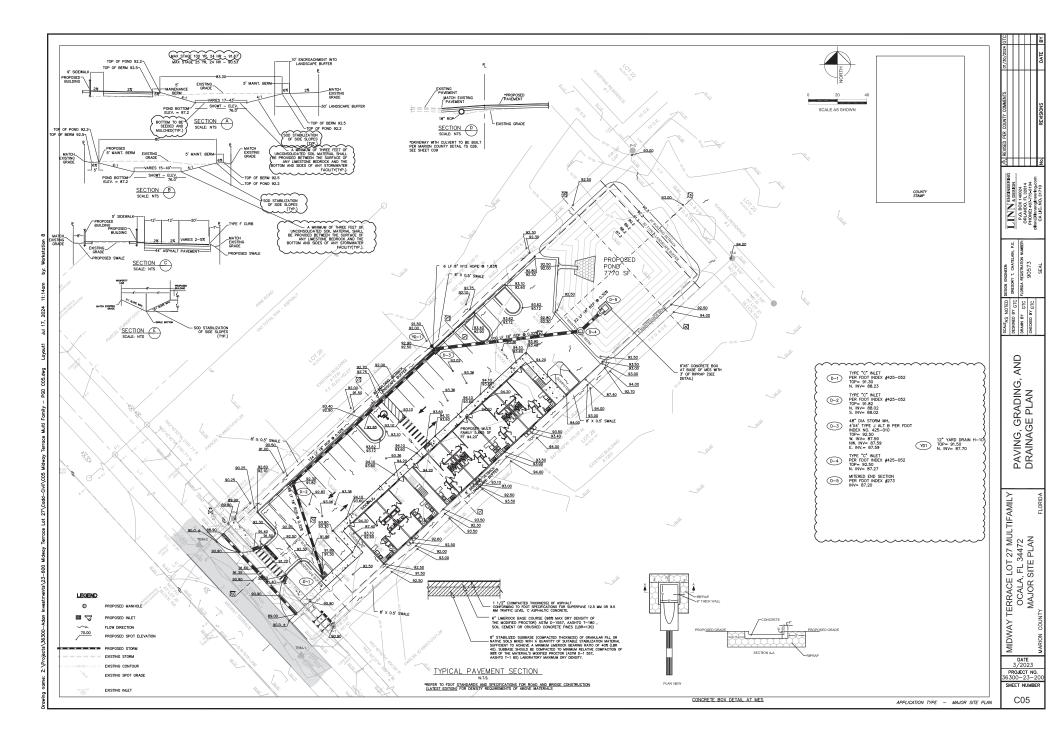
SITE PLAN

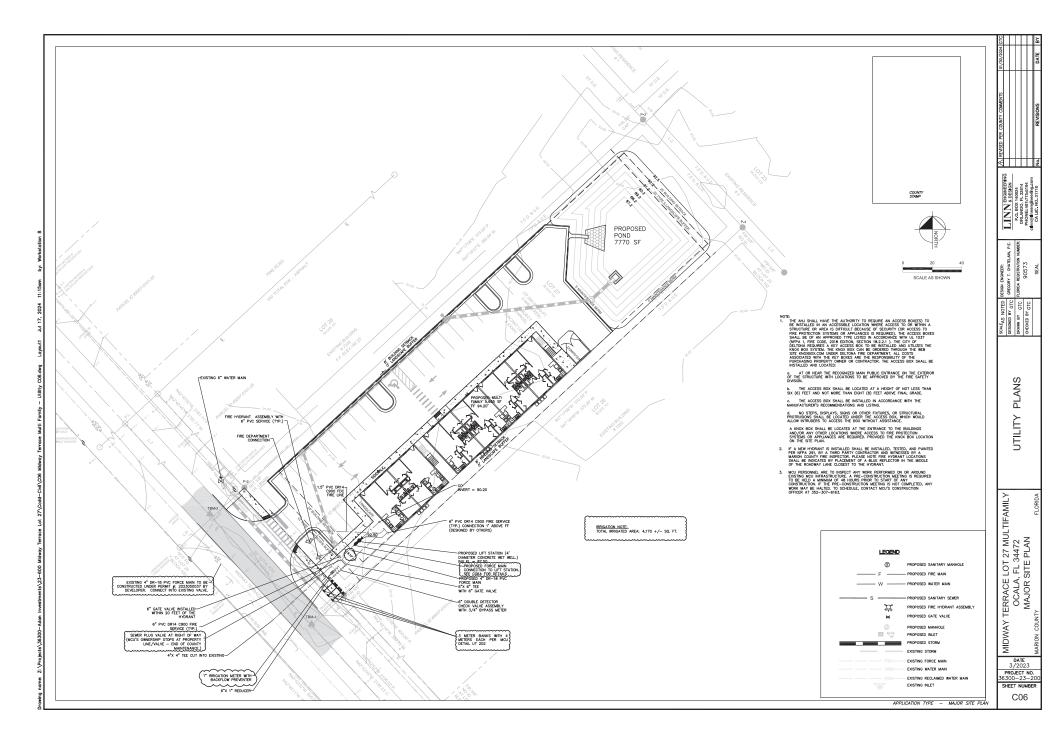
MIDWAY TERRACE LOT 27 MULTIFAMILY OGALA, FL 34472 MAJOR SITE PLAN

DATE 3/2023 PROJECT NO. 36300-23-200

APPLICATION TYPE - MAJOR SITE PLAN

C04A





NOTE: PUMP CONTROL PANEL SHALL BE LOCATED 3 FEET FROM WETWELL PERIMETER

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ISOLATION PLUG VALVE

# SPECIFICATION

Wet well FRP Wall Laminate must be designed to withstand wall collapse or buckling based on these assumptions and Third

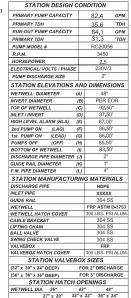
Hydrostatic Pressure 62.4 lbs. Per SQ Ft Saturated soil weight 120 lbs. Per Cubic Ft. Soil Modulus of 700 lbs Per SQ Ft. Pipe Stiffness As specified in ASTM D 3753

The wet well FRP laminate must be constructed to with stand or exceed two times the assumed loading on any depth of the

The cover shall be constructed of ½ inch thick material finish aluminum diamond plate pattern with 300 sories stainless steel hardware. The hinch shall have a positive means of holding door open in the vertical position (Locking hold open am) made of non-corrosive material. The cover shall be mounted with minimum of six 300 series stainless steel fasteners. The access hatch cover shall have a lift handle and a means of locking.

The prefabricated FRP lift station manufacture shall guarantee the prefabricated lift station as approved drawings for a period of

EXECUTION: Installation shall be in strict accordance with the manufacturer's recommendations in the locations shown on the drawing.





# 82.4 GPM RILEY & Company, Inc. (H-20 GP)

w/ BATTERY BACK-UP FOR AUDIO AND VISUAL ALARMS ©

### SPECIFICATION

Submersible grinder pumps shall be: Manufacturer HOMA - Model RC20056.

The pumps shall be installed in the FRP wetwell utilizing a dual slide rail system. The grinder system shall be capable of girind with the waste materials normally found in domestic and commercial sways into a fine sharp which will pass through the pump and discharge piping. Stato winding shall be open yield Capar His insulation and shall be heat shrink fitted into the stator housing. Shall withstand a continuous pouring temperature of 155°C.

A heat sensor (2) thermal switches shall be attached to the motor winding: The pump motor grinder shaft shall be EN 1.4301 / AISI 304SS connection to take the pump impeller and

the grinder assembly.

Semi Azial Centritugal Impelier shall be Cast Iron EN-GJL-200 / ASTM A48 30B.

Cutter/Grinder Assembly shall be Stainless Steel EN 1.4301 / AISI 304.

Double mechanical cartridge shall seals shall be provided. The seal springs located inside the oil housing should be fully protected from the pumped liquid. The mechanical seals should be able to

wimstand rotation on emers side.

Mioisture sensor (2) shall be included in the motor housing assembly.

Power and Control cables shall be clamped against tensile loads and have a serviceable inlet to the motor, with hermotically sealed polyurethnen filled, stainless steel cable plug connection. The pump and electric cables shall be capable of continuance submergance, witout loss of waterproof integrity to a depth of 65 ft.

# SPECIFICATION

The Enclosure shall be NEMA 4X, minimum 30" high x 20" wide x 10" deep with 3 point latching system.

- The Enclosure shall be nesset as, minimim 30 mgn 32 mgn 32 to "deep Three enclosures shall have seturan insomiting feet to allow for wall mounting. The enclosures shall have seturan insomiting feet to allow for wall mounting.

  1-a. Rest Alarm Beacon (Light) LED 380 Degree viewable range

  1-a. Alarm Hom (minimum 95 DGS)

  1-a. Generator Receptacle wi weatherproof cover 60A Minimum. Shall meet UI. 1852 and UI. 1856 Configuration.

The back panel shall be fabricated from .125, 5052-H32 marine alloy aluminum. All components shall be mounted by machined stainles

- screws.
  The following components shall be mounted to back panel:
  2- ea. IEC style Motor Contactors
  1- ea. Volt Monitor (1 Ph) Phase Monitor (3 Ph) w/2 N/O & 1 N/C Contacts
  1- ea. Alternation

- 1-ea. Alternater
  1-ea. Centrol Transformer (480 Volt Only) (Min. 500VA)
  1-ea. Model RCBB54H Battery Back-Up w Smart Charger (UPS)
  20-ea. Terminals For Field Connections
  6-ea. Terminals For Motor Connections (Single Phase Only)
  1-ea. Grounding Lugs
  1-ea. Lightning and Surge Protection shall meet the UL 1449 2nd Edition

The inner door shall be fabricated from .080, 5052-H32 marine alloy aluminum. The linner door shall have a continuous aluminum plann house.

New Components shall be mounted through the inner door:

1- e.s. Main Clicuit Breaker.

1- e.s. Energency Cicuit Breaker.

1- e.s. Mechanical Interlock For Emergency And Main Breakers (UL Listed).

2- e.s. Short Circuit Breaker.

1- e.s. Control Circuit Breaker.

1- e.s. Control Circuit Breaker.

- MISCELLANEOUS: All wiring on the back panel shall be contained within the wiring duct. All wiring between the

inner door and the back panel shall be contained with in a plastic spiral wrap.

Each wire shall have a wire number at each end to correspond to the as built drawing for field troubleshooting.

The control panel must be manufactured in-house by lift station supplier and be a TUV (ULS08A Certified) facility.

INSPECTION & TESTING: A factory representative shall be provide for a one (1) time start-up and shall have complete knowledge of the proper operation and maintenance of complete system. Megger the motors. The pump motors shall be megged out prior to the start-up to ensure that the insulation of the pump motorcable is intact. The pump controls and pumps shall be checked for mechanical reliability and proper operation.

# NOTES:

1. DRAWING NOT TO SCALE

2. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES

3. ELECTRICIAN SHALL SEAL OFF CONDUIT RUNS

4. CONTRACTOR SHALL VERIFY POWER SOURCE PRIOR TO ORDERING EQUIPMENT 5. NEUTRAL TO BE SUPPLIED FOR 23OV-3 PHASE OR 230V-SINGLE PHASE PO

PRIVATE SANITARY SEWER PUMP STATION N GASE OF EMERGENCY CONTACT TO FACILITY OWNED BY FACILITY MAINTAINED BY:

LIFT STATION WILL BE PRIVATELY OWNED AND MAINTAINED.

NO SUBSTITUTIONS - NO ALTERNATES

THIS IS A COPYRIGHTED DRAWING. ANY CHANGES OR MODIFICATIONS WITHOUT WRITTEN APPROVAL FROM RILEY & COMPANY, INC. IS STRICTLY PROHIBITED.

34" HOSE BIB SLEEVE REQUIRED --2" RIGID GALV, POSTS NOTE:

2" GALVANIZED CARS (TUREADED)

**ELECTRICAL RISER FOR** ILLUSTRATION PURPOSES ONLY

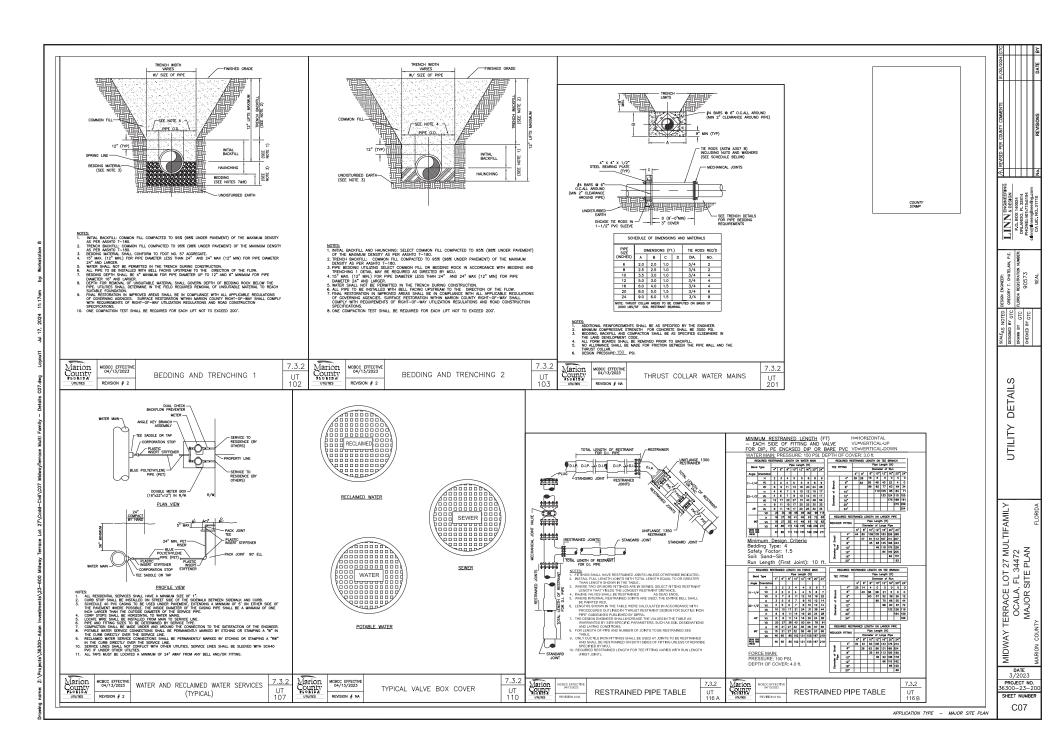
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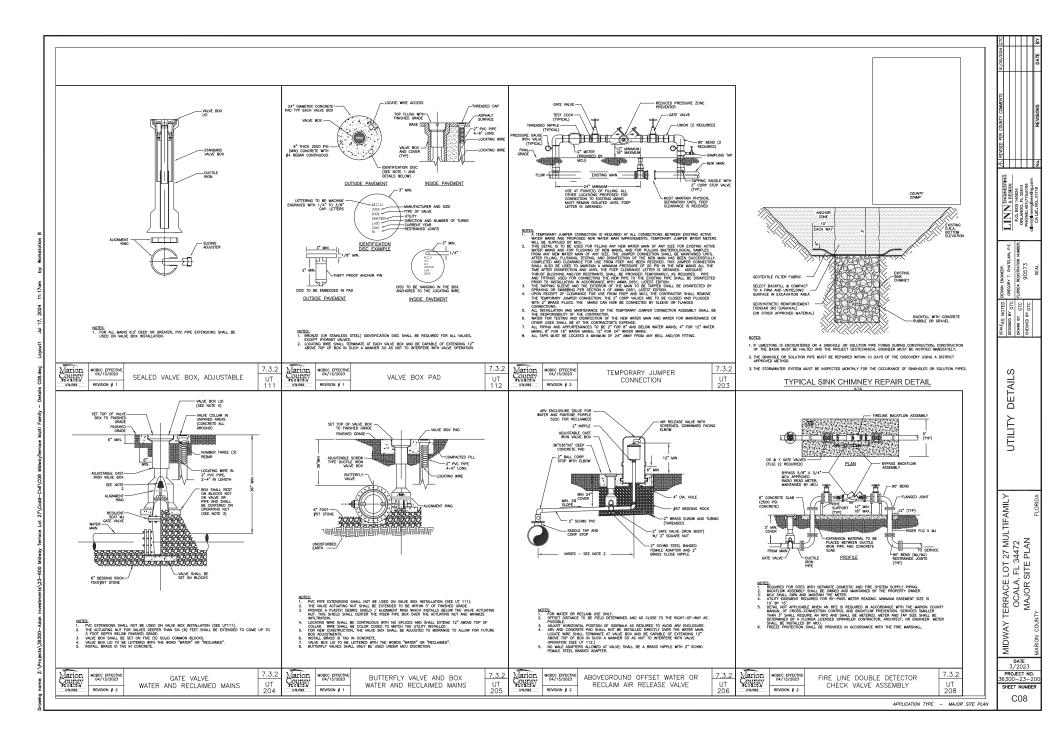
LIFT STATION DETAILS

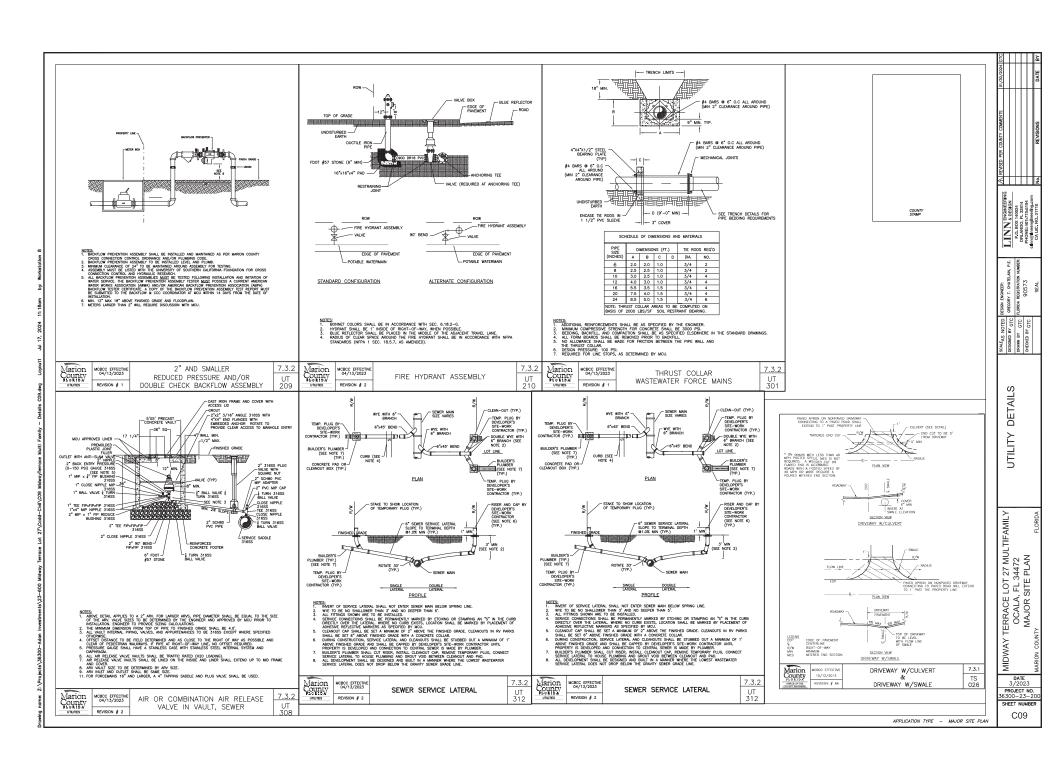
E LOT 27 MULTIFAMILY A, FL 34472 S SITE PLAN

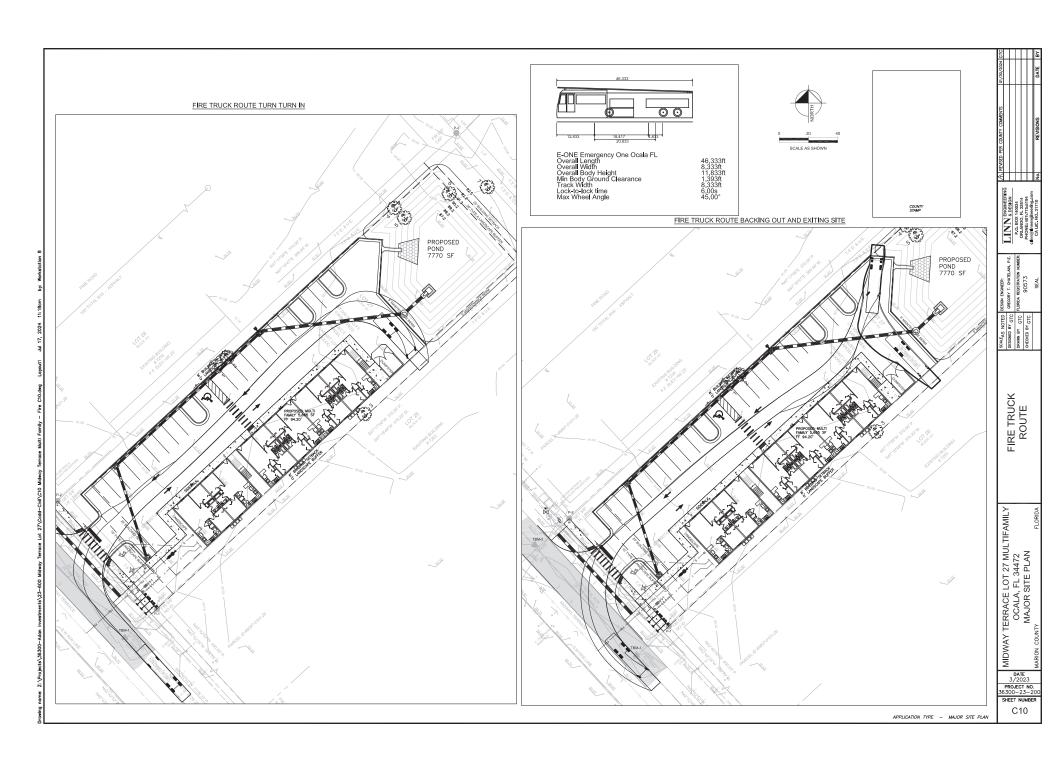
PROJECT NO SHEET NUMBE C06A

APPLICATION TYPE - MAJOR SITE PLAN

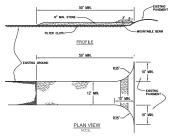






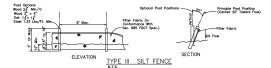


SILT FENCE APPLICATIONS



### STABILIZED CONSTRUCTION ENTRANCE

- 1. STONE SIZE USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- 2. LENGTH AS REQUIRED, BUT NOT LESS THAN 50 FEET.
- 3. THICKNESS NOT LESS THAN SIX (6) INCHES.
- 4. WIDTH TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- 6. SUPRACE WATER ALL SUPPACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERN WITH \$5.1 SLOPES WILL BE PERMITTED.
- MANTENANCE THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL
  PREVENT TRACK OR FLOWING OF SEDMENT ONTO PUBLIC RIGHTS—OF—MAY. THIS MAY
  REQUIRE PROTOCO TOP ORESSAN WITH ACCIDIONAL SHORM AS CONDITIONS GLAWAD. AND
  SPILED. DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS—OF—MAY MUST BE REMOMMEDIATELY.
- 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



### BEST MANAGEMENT PRACTICES:

THIS PLAN HAS BEEN PREPARED TO ENSURE COMPLIANCE WITH APPROPRIATE CONDITIONS OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP), THE MUNICIPALITY LAND. DEVELOPMENT REGULATIONS AND ST. JOHNS RIVER WATER MANAGEMENT. DISTRICT (S.RYMID). THE PLAN ADDRESSES THE FOLLOWING AREAS.

THE VARIOUS TECHNIQUES OR ACTIONS IDENTIFIED UNDER EACH SECTION INDICATE THE APPROPRIATE STUATION WHEN THE TECHNIQUES SHOULD BE EUPILOPIED. IT SHOULD BE HORD THE MEASURES IDENTIFIED ON THIS FUNA ARE ONLY SUGGESTED BURFOS. THE CONTRACTOR SHALL PROVIDE POLIUTION PREVENTION AND EXOSION CONTROL MEASURES AS SPECIFIED IN TOOT MEXES THE ONLY AS RECEIVED IN TOO THE APPLICATION.

# SECTION 1 GENERAL EROSION CONTROL:

1.2 SLOPES OF BANKS OF RETENTION/DETENTION PONDS SHALL BE CONSTRUCTED NOT STEEPER THAN 3H-1V FROM TOP OF BANK TO POND BOTTOM.

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

## 2.2 WHERE PRACTICAL STORMWATER SHALL BE CONVEYED BY SWALES

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

A. IN GONERAL, EROSON SHALL BE CONTROLLED AT THE FURTHEST PRACTICAL UPSTREAM LOCATION.

AN IN GONERAL, EROSON SHALL BE EMPOTED DURING CONSTRUCTION AS SHOWN ON THE SHEET. PROTECTION MEASURES SHALL BE MANDED AS SOON AS PRACTICAL UDWINNING SHEET, BROOKE SHEET, DEVELOPED AS SOON AS PRACTICAL UDWINNING SHEET SHALL REMAIN IN PLACE UNITS SOOME SHEAD SHEET.

2.0 Favir Construction Equipility France And Unantituries (Ass.2 Shall be Second Prince) for the Prince And Library France Franc

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 THE BARRIERS.

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

PLANE

A THE CONTRACTOR IS REQUIRED TO PROVIDE A QUALIFIED INSPECTION TO PERFORM AND

B. ALL DETURBERS, MARCS, STONAGE, RAPAS, AND CONSTRUCTION DOTS MUST BE RESPECTED.

B. ALL DETURBERS AND CONTRACTOR OF THE RESPECTED OF THE PROVIDE AND CONTRACTOR OF THE RESPECTED.

C. INSPECTIONS USED ECONTACTED ONCE CHEVY STON DO AND/OR WITHIN A 10 HORSE
OF A STONE EXIT OF G.S HOUSE OR GENTATE (CONTRACTOR TO PROVIDE AN ON-SITE RAN

D. ALL AREAS OF MAINTAINED, CONTROL MEASURES) SHALL BE
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2.9 ALL WATER RUNOFF RESULTING FROM SOURCES OTHER THAN RAINFALL EVENTS (I.E. BLOW-OFF FROM HYDRO-STATIC TESTING, PROCESS WATER FROM VEHICLE WASHOOM, E.C.) SHALL BED RICKEDE TOWARDS THE CON-STE SURFACE WATER MANAGEMENT SYSTEM, WHETHER IN TOMPORARY OR FINAL COMDITION, SO THAT IT HAS NO ADVERSE METALTS TO DOWNSTREAM WATER CULLIFECTOROPHICS.

## SECTION 3 CONTROL OF WIND EROSION:

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

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

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

C. AT ANY TIME BOTH DURBING AND AFTER SITE CONSTRUCTION THAT WATERING AND/OF VEGETATION ARE NOT EFFECTIVE IN CONTROLLING WIND EROSION AND/OR TRANSPORT OF VEGETATION ARE NOT EFFECTIVE IN CONTROLLING WIND EROSION AND/OR TRANSPORT OF UPIGITY DUTY. OF THE METHODS MAY INCLUDE ERECTION OF DUST CONTROL FEXICES. IF ENDURED, DUST CONTROL FEXICES. ALL BE CONSTRUCTED IN ACCORDANCE WITH APPLICABLE PROJECTION OF THE PROJECT OF THE PROJ

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE EROSION CONTROL DEVICES, AS SHOWN ON THE CONSTRUCTION PLANS, PRIOR TO ANY STEE CLEARING AMO/OR DEMOLITION. REFER TO THE "EROSION CONTROL NOTES" SECTION CONTANED HEREIN FOR ADDITIONAL REQUIREMENTS.

2. PRIOR TO AN SIE CLEARING, ALL TREES SHOWN TO REMAIN, AS 2. PRIOR TO AN SIE CLEARING, ALL TREES SHOWN TO REMAIN, AS 3. PRIOR TO AN SIE CLEARING AND THE SIE CLEARING AND SIE CONTAINED THE ACCORDANCE WITH LOCAL TREE ORDINANCES, AND DETAILS CONTAINED TO MINESE PLANS. IT SHALL BE THE CONTRACTOR'S REPORTIBILITY TO MINESE PLANS. IT SHALL BE THE CONTRACTOR'S REPORTIBILITY TO AND THE CONTRACTOR'S REPORTIBILITY TO AND THE CONTRACTOR'S REPORTIBILITY TO AND THE CONTRACTOR OF THE CONTR

3. THE CONTRACTOR SHALL CLEAR AND GRUB ONLY THOSE PORTIONS OF THE SITE NECESSARY FOR CONSTRUCTION, ALL DISTURBED AREAS MUST BE SEEDED, MULCHED, SODDED OR PLANTED WITH OTHER APPROVED LANDSCAPE MATERIAL, IMMEDIATELY FOLLOWING CONSTRUCTION.

CARGINATE MATERIAL IMMEDIATE PROCESSION CONTROLLER.

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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.

8. 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 SCODED.

10. DO NOT DISTRUB EXISTING UNDERDRAIN OR STORM SYSTEMS.

10 be 3 mer 1 one. 1 one 1 one

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

15. DURING PREPARATION OF THE SUB GRADE AND UNITL THE PAYING IS IN PLACE. THE CONTRACTOR SHALL PROMPTLY TAKE REASONABLE MEASURES TO OBTIAN AND MANTIAN A DRY SITE CONDITION. SUCH MEASURES SHALLM NICLIDE PUMPING OF FREE SWEFACE WATER, MINOR HAND AND/OW MACHINE SHALLM DEPAYING.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATION:

18. THE CONTRACTOR WILL STABILIZE BY SEED AND MULCH, SOD, OR OTHER APPROVED MATERIALS ANY DISTURBED AREAS WITHIN COR. WEEK FOLLOWING ONSTRUCTION OF THE UTILITY SYSTEMS AND PAYMENT AFFACE OF THE OFFICE OF THE OFFICE AND A

EROSION AND SILTATION CONTROL-

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TO PROTECTION AND STREETING TO CON-SITE SOIL STOOPPIES FIRE AMERICA.

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PREVENT FORSION OF THE STOOPPIES WATERLA. CONTROL OF DUST FROM SUCH STOOPPIES WAY BE RECOURDED, DEPRODUCE UPON THEM FLOOR LOCATION AND THE PREVENT OF THE STOOPPIES WAY BE RECOURDED, DEPRODUCE UPON THEM TO COLOTION AND THE PREVENT WAS COMED AND AND THE PREVENT OF THE PROTECTION OF THE PREVENT OF THE PREV

3. PROTECTION OF FUSING STORM SEMER SYSTEMS: DURING CONSTRUCTION, ALL STORM SEMER NALETS IN THE WOMITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS SUCH AS SECURED HAY BALES, SON, STORE, ETC., WHICH SHALL BE MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS, AND WHICH MUST BE APPROVED BY THE RIGHTER PROFER RISHLALFORD.

SEDIMENT BASINS AND TRAPS, SEDIMENT TRAPPING MEASURES: PERIMETER BERMS,

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

THE CONSTRUCTION OF UNDERGROUND UTILITY CONSTRUCTION: UNDERGROUND UTILITY UNES AND OTHER STRUCTURES SHALL BE DONE IN ACCORDANCE WITH THE FOLLOWING STRUMPING.

A. NO MORE THAN SOO LINEAR FEET OF TRENCH SHALL BE OPEN AT ANY ONE TIME.

M. HERENGER COMSISTENT WITH CAPETY AND SPACE CONSIDERATION, DICKNATED

M. TERNAL SHALL BE CAST TO THE UPHILL SIZE OF TRENCHES. TRENCH AMERICAL

NOT BE CAST INTO OR ONTO THE SLOPE OF ANY STREAM, CHANNEL, ROAD, DITCH OR

WATERWAY.

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

ENGINEER: NY T. CHATEL REGISTRATION 90573

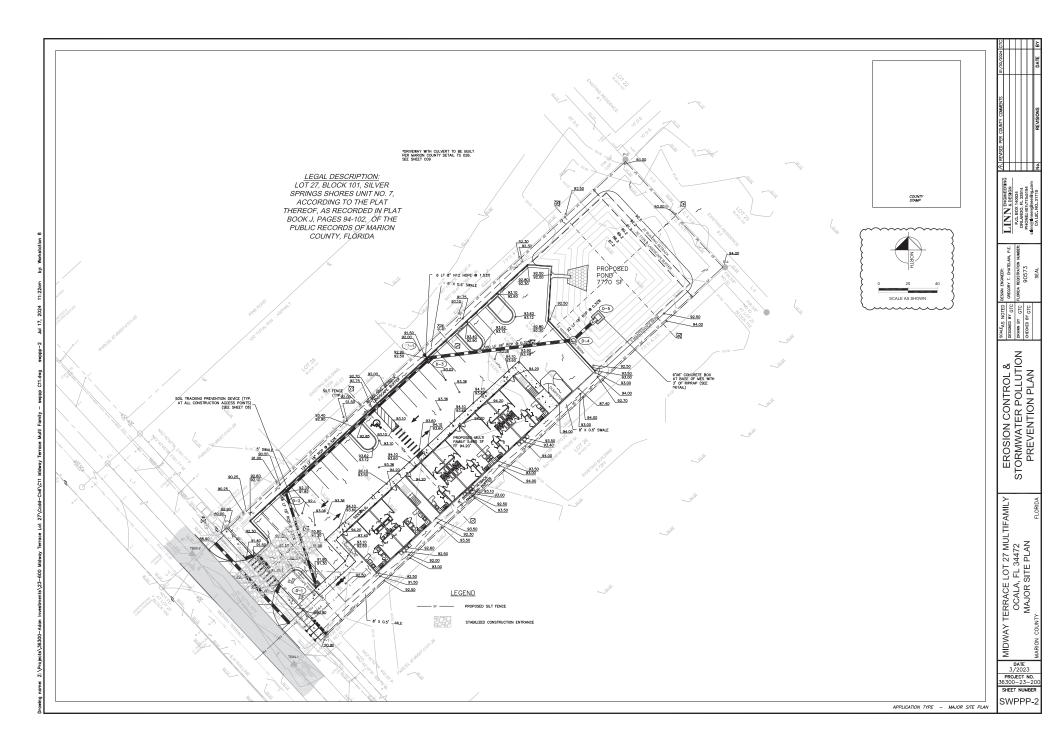
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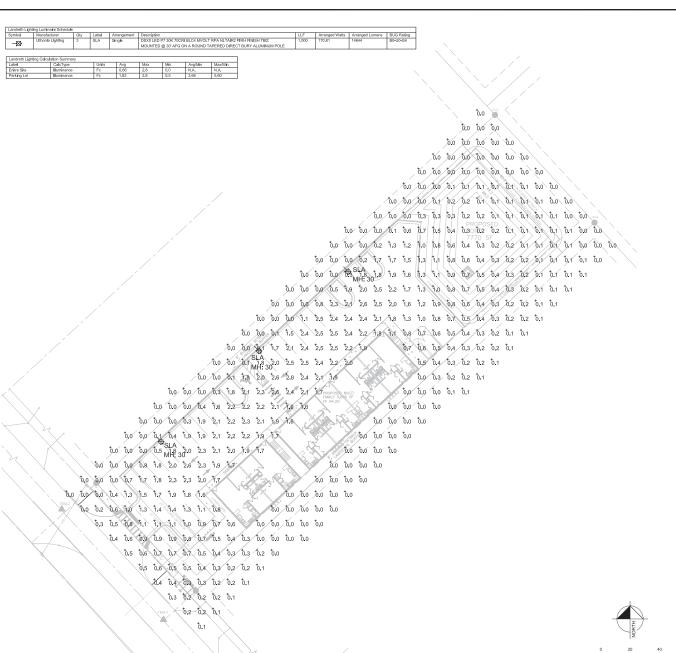
EROSION CONTROL & STORMWATER POLLUTION PREVENTION PLAN

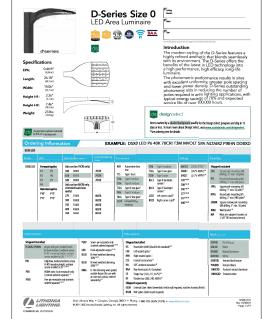
TERRACE LOT 27 MULTIFAMILY OCALA, FL 34472 MAJOR SITE PLAN

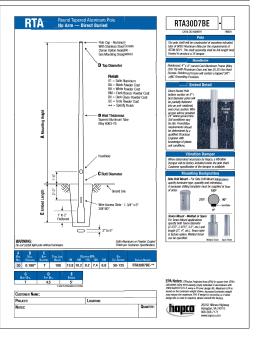
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MIDWAY TERRACE LOT 27 MULTIFAMILY SITE LIGHTING & OCALA, FL 34472 PHOTOMETRICS MAJOR SITE PLAN FLORDA FLORDA

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SCALEAS NOTED DESIGNED BY GTC
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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 CONTRICCTOR BULL ECCOME FAILURE WITH THE PROCEST SITE FROM TO BIDDING THE WORK. THE FROM TO PRINTING ANY CONSTRUCTION. LOCATION OF ALL THESE AND BASE PROMIATION BY APPROVING THE PROPERTY OF THE PRO 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 FARRICATION. CONTRACTOR SHALL NOTIFY OWNERS REPRESENTATIVE OF ANY VARIATION FROM HE BIOMESSIONS AND CONDITIONS SHOWN ON THESE DEVANDANCE. REPORT ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND FIELD CONDITIONS TO THE OWNERS REPRESENTATIVE. THE CONTRACTOR SHALL COORDINATE ACCESS AND STADING AREAS WITH THE CONNERS REPRESENTATIVE. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING ERRORION AND SEDIMENTATION CONTRACTOR BALL MAINTAIN ALL EXISTING ERRORION AND SEDIMENTATION CONTRACTOR LIEASURES DURING CONSTRUCTION, PROVIDE ADDITIONAL MEASURES AS NECESSARY TO MINIMIZE ADVERSE IMPACTS IN ACCORDANCE WITH ALL APPLICABLE FEBERAL 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 (In. 82 JUNSHINE 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 PROSTROOT THE OFFICIAL 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** SECURIOR STATE OF THE STATE OF

- 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 TO THE COMMENCEMENT OF WORK ALL REQUESTS FOR SUBSTITUTION USE TO LOCK OF AWARD. HAVE THAT SER BUILD TO THE COMMENCEMENT OF WORK ALL REQUESTS FOR SUBSTITUTION USE TO LOCK OF AWARD. AND THE SERVICE PROVIDED THE SERVICE PROV
- 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
  BRUERA MANUTAND ADABMACE OF ALL UNITIES A FRE MORNINS ALL ACCORDING WITH THE ROBOTH APPREVENTION CODE 18.57.1

  CONTRACTOR SHALL INSURE SIGHT TRANCILE VISBLITY IN ALL APPLICABLE ROUGHNA'S PER FDOT STANDARDS.
- 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.
- 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 REPLACE PROPERTY AND REPLACES HEREOFFICE PLANTS AND REQUIRE THE CONTRACTOR TO REPLACE PROPERTY OF THE CONTRACTOR TO REPLACE PROPERTY OF THE CONTRACTOR TO REPLACE PROVIDE AND TO SEE CACCEPTABLE.

  THE CONTRACTOR SHALL PROVIDE AN APPROVED PLANTING SOR MIXTURE FOR ALL PLANT MATERIAL. SEE SPECIFICATIONS OR 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
  THE CONTRACTOR SHALL REPORT REQUIREMENT VERTICAL DISABILITY OF ALL PLANT EETS OF DISABILITY OF ANY
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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 TEMPORARY PROGRAM AS SHOWN ON DAMANDES OR BY MEANS

  REPROVED BY THE OWNERS REPRESENTATION TO REMAIN AS SHOWN ON DAMANDES OR BY MEANS

  REPROVED BY THE OWNERS REPRESENTATION ALL DESTRIPS CHAPTER OF THE OWNERS OF THE OWNERS AND THE OWNERS AND
- 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 SCARFFY 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 INSTRUMENT THAT PLASS AND CROCKED PLANT ESDS AND INSTRUMENT THAT PLASS AND CROCKED PLANT ESDS AND INSTRUMENT THAT PLASS AND THAT PLASS
- 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 OR EXISTING IN THE FIELD, NO CANOPY TREES SHALL DEPARTMENT OF A STRUCTURE MERTHET PERISTING OVERHEAD POWER LINES, WITHIN A TEST OF ANY PAWES DISTRACE, OIL MUDICE CANOPY TREES SHALL UNDER CANOPY TREES THAT LINES A CESS TO LIGHT AND ROOM TO GONEY THE OF ANY PAWES DISTRACE, OIL WIDER CANOPY TREES THAT LINES A CESS TO LIGHT AND ROOM TO GONEY TED ADJUST AS NECESSARY AND REVIEW ADJUSTMENTS WITH THE LANDISCAPE AND CHIEFET PROOF TO BNSTALLATION. TREES SHALL BEAMARDED A A
- 20. ALL PROPOSED TREES SHALL BE INSTALLED EITHER ENTERLY IN OR ENTIRELY OUT OF PLANTING BEDS. PLANTING BED OUTLINES SHALL NOT BE GISTRUCTED AND SHALL BE SMOOTH AND FLOWING. IF TREES ARE LOCATED OUTSIDE PLANTING BEDS IN GRASS AREAS, MAINTAIN A MINIMUM THREE FEET 3" WIDE OFFSET TO ALLOW FOR MOVIERS TO MAJECUER.

- 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 TAKEN IN PHOLE. AMERINGERS SUND STALL BE AMERINGED FOR SULFA SHE NOT 10 PHOLINE.

  ALL SOO SHALL BE ONLY NURSERY (FORM) NOR PASTURE RAISED, MACHINE CLY SOO FRALE STALL SOO SHALL BE WELL-MATTED WITH ROOTS, FREE CHARGES OF THE TYPE INDICATED ON THE DRAWNINGS. SOO SHALL BE WELL-MATTED WITH ROOTS, FREE CHARGES OF THE TYPE INDICATED ON THE DRAWNINGS. SOO SHALL BE WELL-MATTED WITH ROOTS, FREE CHARGES OF EXCESSIVE WEEDS & DEBRIS AND SHALL BE RESERVED.
- 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 3" 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
- 28. 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.
- CONTRACTOR SHALL REPLACE (BY EQUAL SIZE AND QUALITY) ANY AND ALL EXISTING PLANT MATERIAL DISTURBED OR DAMAGED BY PLANT REMOVAL RELOCATION, AND/OR INSTALLATION WORK.
- 31. MAINTENANCE SHALL BEGIN AFTER EACH PLANT HAS BEEN INSTALLED AND SHALL CONTINUE UNTIL THE DATE OF SUBSTANTIAL COMPLETION. MAINTENANCE INCLIDES WATERING, PRINING, WEEDING, MILCHING, REPLACEMENTS OF SICK OR DEAD PLANTS, AND ANY OTHER CARE NECESSARY FOR THE PROPER GROWTH OF THE PLANT MATERIAL.
- 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 HARDSCAPE DRAWINGS FOR FINISH PATTERS.
- 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.
- ALL NAILS, LAG SCREWS, BOLTS AND MISCELLANEOUS FASTENERS SHALL BE HOT DIPPED GALVANIZED OR A CORROSION RESISTANT ALLOY

- 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
    STRUCTURAL CONCRETE, INCLIDING FOOTINGS, SHALL CONFORM TO THE REQUIREMENTS OF ACI 301 AND SHALL
    ATTAIN A NIMIMUM COMPRESSIVE STRENGTH IN 28 DAYS OF 3000 PSI LINLESS 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 MAYINLIN SLUND 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 FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURES.
    START INITIAL CURING AS SOON AS FREE WATER HAS DISAPPEARED FROM THE CONCRETE SURFACE AFTER PLACING AND PINISHING, KEEP CONTINUOUSLY WORLD'S FOR NOT LESS THAN 7 DAYS IN ACCORDANCE WITH ACI
  - PROCEDURES. PERFORM CURING OF THE CONCRETE BY CURING AND SEALING COMPOUND, BY MOIST CURING, BY MOIST CURING, BY MOIST CURING AND SEALING COMPOUND, BY MOIST CURING, BY MOISTURE RETAINING COVER CURING OR BY COMBINATION THE
  - 15. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR THE REINFORCEMENT

- MASCHIEV

  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.
- WITH JATE C R. AND ATTAIN A COMPRESSIVE STREETING PERIOD.

  CONCRETE MANDAY WITH SHALL BE THAN THE TO TAKE, WITH LEVEL COURSES ACCURATELY SPACED AND BILLY
  TO THE TROCKESS AND IN A BANANIC BOHOLD IS INDICATED AND CONCRETION TO THE TOLERANCES WEIGHTED IN AD
  THE PROPARED BORNO BEAUTION OF THE THE TOLERANCES WEIGHTED IN ATTER
  THE PROPARED BORNO BEAUTION OF THE THE TOLERANCES WEIGHTED IN ATTER. CONCRETE UNITS SHALL BO
  THY WHICH ALD, SACH LIMIT SHALL BE AUDISTED TO THAN FORTITION BY THE WAIL WHILE THE MOSTAND SHITL SOFT
  THE SHAM FORTION SHATCH CALLES SHALL BE AUDISTED TO FORMER. ALL AND CHARGE AND CONTROL SHATCH SHALL BE ADMINISTED TO THE WAIL AND CHARGE AND THE WAIL WHILE THE MOSTAND SHATCH S
- 22 HOLLOW UNITS SHALL BE LAD WITH FILL HEAD AND BED JOINTS TO THE THOCKIESS OF THE FACE SHELL AS A MINIMAN. THE WEBS SHALL ALSO BE BEDDED IN ALL COURSES, STARTING AT THE FOUNDATION, ADJACENT TO CELLS TO BE REPORTED AND MORE FILE WITH ROGULT OR COLDERET. MORTHAY, DOTHER SHALL BE TOCKLE WHEN THE MORTHAR IS THAMBERINHT HAVED, BOTH ON THE MORE AND CUTSICE SUPPLIES. FOR THE BUILDON WALL, WITH A TOOL PRODUCING A COUNCY SUPPLIES. BEED JOINTS SHALL BE SO "I IN IN THATOCOSES, HARD JOINTS SHALL BE ST. [VII.F.].

- 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 THE WINDES SCURENCY SUPPORTIES AT THE TOP AND BOTTOM TO BOUNGET 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 LIFTS FOR CONCRETE MASSINY AND 2 FOOT LIFTS FOR BRICK MASSINY. HOW IT SHALL BE EXCENSIVELY CONCRETE MASSINY AND THE PREVIOUS LIFT, WHICH PRACES, SO AS TO DISCOVERY AND A SHALL BE THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE BOTTOM OF BACK COLL TO BE FILLED AND IT SHALL BE THOROUGHY CLEANED OF PROVED TO PLAND OF THE COLL FOR THE PROPERTY OF THE BOTTOM OF BACK COLL TO BE FILLED AND IT SHALL BE THOROUGHY CLEANED TO ENSURE COMPLETE FILLING OF GROUT SPACE. GROUT IT ACCEMENT STOPPED OR MORE THAN ONE HOUR SHALL BE STOPPED BECOME TOTO OF THE MASSING THAN IT THE TOP OF THE MASSING THAN IT TO THE THE MASSING AND THE PRACEMENT OF THE MASSING THAN IT THE PROPERTY OF THE THE MASSING AND THE PRACEMENT OF THE MASSING THAN IT THE TOP OF THE MASSING
- 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

- LIAMBER

  ALL LIABBER SHALL BE SOUTHERN YELLOW PINE, GRADE NO.2 OR BETTER OR AS SPECIFIED ON THE DRAWINGS

  (FE FOR LIABBER SIZES NOTED TO BE IN CONFORMANCE WITH VALUES LISTED BY THE NATIONAL FOREST PROD

  ASSOCIATION NATIONAL ESSON STANDARD SUPPLEMENT, AND SHALL CONFORM TO THE NATIONAL GROUND

  ASSOCIATION LIABBER, THE SOLITHERN PINE INSECTION BURGAPA DATE TO SUPPLIENT PRODUCTS

  ASSOCIATION.
- 7. DO NOT LOCATE ANY HOLES CLOSER THAN FIVE (5) BOLT DIAMETERS FROM THE END OF ANY MEMBER
- ABOVE-GROUND USE CONCRETE- OR GROUND-CONTACT, OR IN-GROUND USE FRESHWATER USE IN-GROUND OR FRESHWATER PILES SALTWATER USE, MARINE PILES

- 1) CITE HOT D'IN-EL URE, VINNELLE VIEWE L'INTERNATION EN CONTROL THE L'INTERNATION D'INTERNATION D'I

# ALUMINUM 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.
- POOLSPAFGUATIAN CONTRACTOR IS RESPONSBLE FOR ALL POOLSPAFGUATIAN EQUIPMENT, PIPMO, POOLSS SHELL FOUNTAIN WHLLS THE COPING ELECTREAL TO JUNCTION BOXES, FEMBLES, AND CODE COMPLIANCE. SUBMIT SHOP DRAWINGS 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

- 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 FRA
- 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



SHEET NUMBER

FINISH REFERENCE SEE FINISH SCHEDULE

MATCHLINE



PLANT TAG QUANTITY

PROPOSED CONTOUR

EXISTING CONTOUR

STORMWATER ELOW DIRECTION

 $\xrightarrow{\times}$ 

100

SLOPE DIRECTION PERCENTAGE OR RATIO SPOT ELEVATION

COORDINATE REFERENCE

# **CONTRACTOR NOTES**

N 1493681.5115 E 447607.7445

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 2020 (7TH ED)
NATIONAL ELECTRIC CODE 2021

ACTUAL

TOTAL

# 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

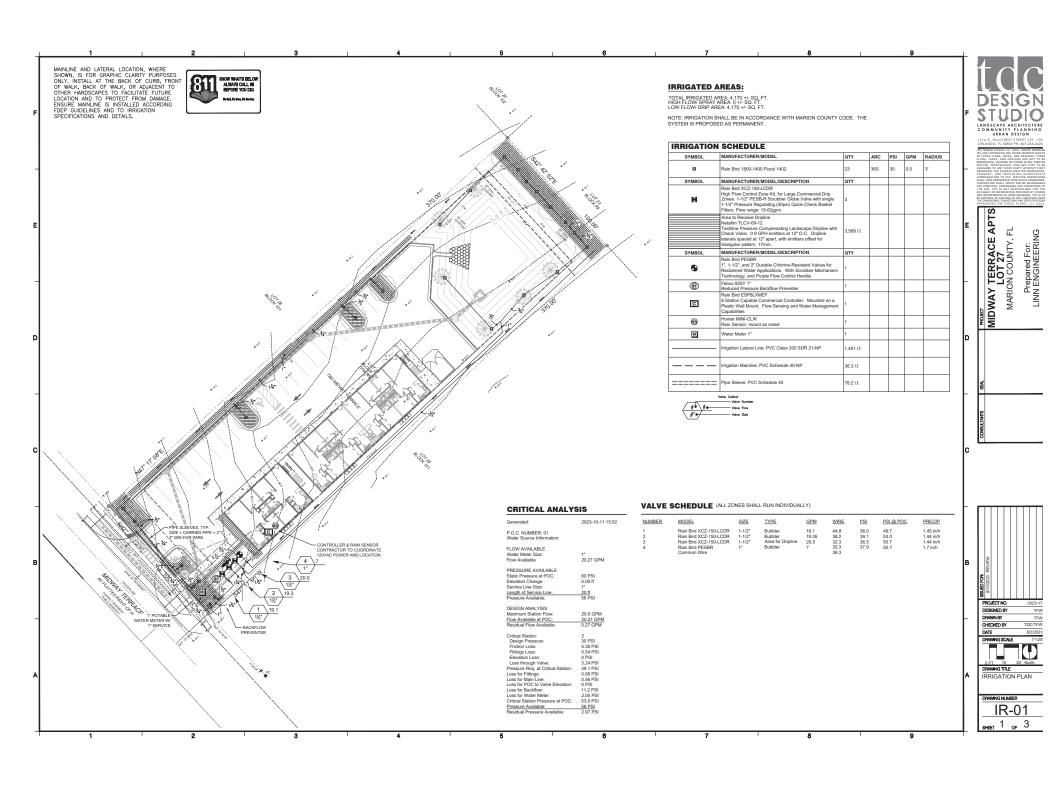
AND INCORPORATED IN THESE DRAWINGS, TOC IS TO BE NOTIFIED IN WRITING OF ANY VARIATION FROM THE DIMENSIONS, CONDITIONS AND SPECIFICATIONS

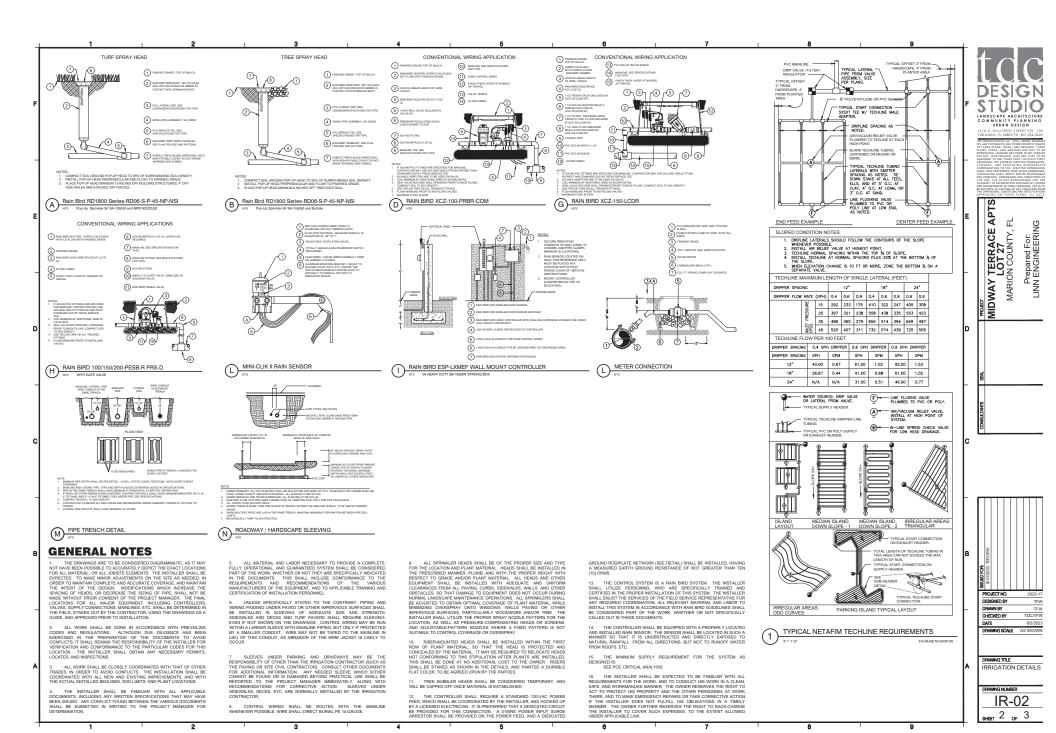
APT Prepared For: LINN ENGINEERING WAY TERRACE / LOT 27 MARION COUNTY, F MIDWAY



DRAWING TITLE INDEX SHEET

ID-01 SHEET 1 OF 1





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 me specified system as 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 ONF P O C ('s)

#1-P.O.C. is a new a new 1" potable meter (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 POWER SLIPPLY

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 applicable electrical codes, laws and regulations. A licensed electrician 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 thin layer inside the filting, and finally another two the layer on the pies. The pies the pies in the filting is insert that the pies is inside the filting, and finally another the layer on the pies. The pies are the pies of the filting is the pies of the filting, the pies of the filting, the pies of the filting if the pies of the filting if the pies of the filting if the pies of the filting is the pies of the filting in the pies of the filting is the pies of the filting in the pies of the filting is the pies of the filting is the pies of the pie 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 fittings of foreign material, the apply 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

24" minimum for 3/4"-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)

If these parameters are exceeded, locate the problem; repair it; wait 24 hours and retry the test. This procedure must be followed until the mainline passes the test

<u>Lateral Lines:</u> 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 weekly evapour aspiration requirements of the printing material in each soils, it is possible no puddling will occur. If this is experienced, then the 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 ach 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 folio
- 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.

seasonal startup of system as per manufacturer recommendations

- 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 10. Conduct additional inspections, maintenance tasks, etc. that are particular for your site

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APT Prepared For: LINN ENGINEERING WAY TERRACE / LOT 27 MARION COUNTY, F MIDWAY

PROJECT NO. 2023-17 DESIGNED R CHECKED BY

> DRAWING TITLE RRIGATION DETAILS

DRAWING SCALE AS SHOWN

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