

April 24, 2024

PROJECT NAME: NEXT DIMENSION CONSTRUCTION

PROJECT NUMBER: 2016110020

APPLICATION: MAJOR SITE PLAN #30535

- 1 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.10.B - Copy of NPDES Permit or NOI
STATUS OF REVIEW: INFO
REMARKS: Please provide a copy of the NPDES permit or NOI prior to construction.
- 2 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: Copy of District Permit (County Interest)
STATUS OF REVIEW: INFO
REMARKS: Please provide a copy of the District permit prior to construction.
- 3 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: Additional Stormwater comments
STATUS OF REVIEW: INFO
REMARKS: If you have questions or would like to discuss the stormwater review comments, please contact Alexander Turnipseed at (352) 671-8376 or at alexander.turnipseed@marionfl.org.
- 4 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: 10/16/23 - add waivers if requested in the future
- 5 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.
- 6 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.4 - Water (potable) Capital Charges and Flow Rates - proposed use identified to calculate
STATUS OF REVIEW: INFO
REMARKS: Domestic water & sewer capacity charges for the building will be invoiced by MCU Permitting upon review of the building permit application and are due prior to the issuance of your permit for each building. Each unit is required to have its own water service/meter - if the shell is ready to be served by water before the individual tenants are ready to occupy, the developer shall be responsible for each respective unit's meter's monthly fee. For more information, contact Claribel.Martinez@MarionFL.org or Brandy.Raymond@MarionFL.org

- 7 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.5.C - All issued permits related to this project shall be submitted to MCU (DOT, ROW, misc)
STATUS OF REVIEW: INFO
REMARKS:
- 8 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.5.C - DEP permit for water mains to be constructed/owned by developer
STATUS OF REVIEW: INFO
REMARKS:
- 9 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.15.3 - Fire Protection/Fire Flow Capacity
STATUS OF REVIEW: INFO
REMARKS: defer to MCFR
- 10 DEPARTMENT: DOH - ENVIRONMENTAL HEALTH
REVIEW ITEM: Additional Health comments
STATUS OF REVIEW: INFO
REMARKS: Proposed irrigation well will need a permit through the Department of Health in Marion County
- 11 DEPARTMENT: FRMSH - FIRE MARSHAL REVIEW
REVIEW ITEM: 6.18.2.D - Fire Department Connections
STATUS OF REVIEW: INFO
REMARKS: The fire department connection will need to be protected from vehicular traffic. Please indicate on the plans a barrier to protect the fire protection equipment.
- 12 DEPARTMENT: 911 - 911 MANAGEMENT
REVIEW ITEM: Additional 911 comments
STATUS OF REVIEW: INFO
REMARKS: Please be advised that when the building permits are submitted the addresses assigned including the unit numbering will not match the units listed on the plan.
- 13 DEPARTMENT: ZONE - ZONING DEPARTMENT
REVIEW ITEM: 4.4.4 -Sign (provisions for advertising signage), if it is a multi occupancy complex like shopping centers they must submit a master sign plan.
STATUS OF REVIEW: INFO
REMARKS: show location and size of any proposed signage.
- 14 DEPARTMENT: ZONE - ZONING DEPARTMENT
REVIEW ITEM: 2.12.27 - Show location of outside storage areas
STATUS OF REVIEW: INFO
REMARKS: will there be any outside storage?
- 15 DEPARTMENT: ENRAA - ACQ AGENT ENG ROW
REVIEW ITEM: Major Site Plan
STATUS OF REVIEW: INFO
REMARKS: IF APPLICABLE:
Sec. 2.18.1.I - Show connections to other phases.
Sec.2.19.2.H – Legal Documents
Legal documents such as Declaration of Covenants and Restrictions, By-Laws, Articles of Incorporation,

ordinances, resolutions, etc.

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

For Public Streets. "[All streets and rights-of-way shown on this plat or name specifically if less than all] are hereby dedicated for the use and benefit of the public."

Sec. 6.3.1.B.2 – Required Right of Way Dedication

For Non-Public Streets. "[All streets and rights-of-way shown on this plat or name specifically if less than all] are hereby dedicated privately to the [entity name]. All public authorities and their personnel providing services to the subdivision are granted an easement for access. The Board of County Commissioners of Marion County, Florida, shall have no responsibility, duty, or liability whatsoever regarding such streets. Marion County is granted an easement for emergency maintenance in the event of a local, state, or federal state of emergency wherein the declaration includes this subdivision or an emergency wherein the health, safety, or welfare of the public is deemed to be at risk."

Sec. 6.3.1.D.3 - Cross Access Easements

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

Sec. 6.3.1.C.1 - Utility Easements (select as appropriate)

"[All utility easements shown or noted or name specifically if less than all] are dedicated [private or to the public] for the construction, installation, maintenance, and operation of utilities by any utility provider."

Sec. 6.3.1.C.2 – Utility Easements

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

Sec.6.3.1.D(c)(1)(2)(3) - Stormwater easements and facilities, select as appropriate:

1. "[All stormwater and drainage easements as shown or noted or name specifically if less than all] are dedicated [private or to the public] for the construction and maintenance of such facilities."
2. "[All stormwater management tracts or identify each tract as appropriate] as shown are dedicated [private or to the public] for the construction and maintenance of such facilities."
3. When any stormwater easement and/or management tract is not dedicated to the public or Marion County directly, the following statement shall be added to the dedication language: "Marion County is granted the right to perform emergency maintenance on the [stormwater easement and/or management tract, complete accordingly] in the event of a local, state, or federal state of emergency wherein the declaration includes this subdivision or an emergency wherein the health, safety, or welfare of the public is deemed to be at risk."

Sec.6.3.1.D(f) –

If a Conservation Easement is required the following shall be provided: "A conservation easement [as shown or on tract and identify the tract, complete accordingly] is dedicated to [the Board of County Commissioners of Marion County, Florida or entity name, if not Marion County] for the purpose of preservation of [listed species, habitat, Karst feature and/or native vegetation, complete accordingly]."

16 DEPARTMENT: ENGDRN - STORMWATER REVIEW

REVIEW ITEM: 2.12.4.L(9)(b) - Data Block (Impervious Area)

STATUS OF REVIEW: NO

REMARKS: Please list the existing impervious area in the data block

17 DEPARTMENT: ENGDRN - STORMWATER REVIEW

REVIEW ITEM: 6.13.8.B(7) - Minimum Pipe Size

STATUS OF REVIEW: NO

REMARKS: There are several pipes that are smaller than the 18" diameter minimum. Staff would support a waiver provided supporting calculations

18 DEPARTMENT: ENGDRN - STORMWATER REVIEW

REVIEW ITEM: 6.13.2.A(6) - Existing/Proposed Stormwater Pipes

STATUS OF REVIEW: NO

REMARKS: See comment under "6.13.8.B(7) - Minimum Pipe Size"

- 19 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: Please provide a final signed and sealed hard copy signature page with references to the stormwater analysis or final hard copy of the full stormwater analysis.
STATUS OF REVIEW: NO
REMARKS: After all stormwater comments are resolved, please upload a digitally signed and sealed drainage report/letter. A hard copy signed and sealed report can be submitted if desired.
- 20 DEPARTMENT: ENGTRF - TRAFFIC REVIEW
REVIEW ITEM: 6.11.4.B - Cross access
STATUS OF REVIEW: NO
REMARKS: 9/6/23 - Provide the executed cross access easement. The template for the easement can be obtained by contacting Cheryl Weaver in the Right-of-way Office. Coordinate with the right-of-way office on recording the easement.
- 21 DEPARTMENT: ENGTRF - TRAFFIC REVIEW
REVIEW ITEM: 6.12.12 - Sidewalks
STATUS OF REVIEW: NO
REMARKS: 9/6/23 - Sidewalk is required along US 441.
- 22 DEPARTMENT: ENGIN - DEVELOPMENT REVIEW
REVIEW ITEM: 2.21.2.B - Major Site Plan fee of \$250.00 + (\$5.00 x total site acreage) made payable to Marion County BCC
STATUS OF REVIEW: NO
REMARKS: 10/16/23 - fee due with resubmittal
- 23 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.2.C.2(e) - Grease Trap, FOG Worksheet
STATUS OF REVIEW: NO
REMARKS: If any of these rentals will be cooking/preparing food and a 3-compartment sink is required, you must contact MCU for grease trap requirements prior to the final approval of this Major Site Plan; advise.
- 24 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.2.C - Industrial Pretreatment
STATUS OF REVIEW: NO
REMARKS: If any of these rentals will require IP, you must contact MCU for requirements prior to the final approval of this Major Site Plan; advise.
- 25 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.4 - Water (irrigation) Capital Charges and Flow Rates - total irrigated area identified
STATUS OF REVIEW: NO
REMARKS: Identify where on site plan the total irrigated SF (not landscaped area); this will be used to calculate the capacity charges for the irrigation meter, and will be invoiced by MCU Customer Service prior to the release of the irrigation meter.
- 26 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.5.A(6) - Submittal Requirements - Manhole locations, rim and invert elevations outside paved areas
STATUS OF REVIEW: NO
REMARKS: 1. all sewer gravity mains minimum 8 inch; revise
2. confirm flow direction from S1 to S2 is not more 180*; check angle

- 27 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.5.A(8) - Submittal Requirements - Connection to existing water system
STATUS OF REVIEW: NO
REMARKS: see changemarks on sheet C102 for connection notes
- 28 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.5.A(8) - Submittal Requirements - Connection to existing sanitary system
STATUS OF REVIEW: NO
REMARKS: see changemarks on sheet C102 for connection notes
- 29 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.5.B - Construction Notes - UT DETAILS - current LDC version
STATUS OF REVIEW: NO
REMARKS: Revise details on sheets C500, C501, C502, C503, C504 as per approved 4/13/23. The CAD versions of these details can be found online HERE: <https://utilities.marionfl.org/i-want-to/find-construction-related-forms>
- 30 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.14.7 - Construction Inspection - PLAN NOTE:
STATUS OF REVIEW: NO
REMARKS: Add to sheet C102 "MCU personnel are to inspect any work performed on or around existing MCU infrastructure. A pre-construction meeting is required to be held a minimum of 48 hours prior to start of any construction. If the pre-construction meeting is not completed, any work may be halted. To schedule, contact MCU's Construction Officer at 352-307-6163."
- 31 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.15.7 - Cross Connection Control and Backflow Prevention
STATUS OF REVIEW: NO
REMARKS: Backflow preventer noted needs to be changed to Double Detector Check Valve on Sheet C102
- 32 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: 6.16.5.A & B - Private Wastewater Pump Stations
STATUS OF REVIEW: NO
REMARKS: Provide how Primary TDH determined (113) - sheet C600.
- 33 DEPARTMENT: UTIL - MARION COUNTY UTILITIES
REVIEW ITEM: Utilities Plan Review Fee per Resolution 15-R-583 - payable to Marion County Utilities
STATUS OF REVIEW: NO
REMARKS: \$130 utility review fee - to pay by phone, call 352-671-8686 prior to resubmittal to clear this checklist item.
- 34 DEPARTMENT: FRMSH - FIRE MARSHAL REVIEW
REVIEW ITEM: 6.18.5 - Access Control Box
STATUS OF REVIEW: NO
REMARKS: Please note on the utility page page a Knox box will be installed near the front door 6 feet from floor level and 2 feet left of the door.
- 35 DEPARTMENT: FRMSH - FIRE MARSHAL REVIEW
REVIEW ITEM: 6.18.2.G - Painting and Marking of Fire Hydrants
STATUS OF REVIEW: NO
REMARKS: Please note on the utility page. The new hydrants are to be installed, tested, and painted per

NFPA 291, by a third party contractor and witnessed by a Marion County Fire Inspector. Fire hydrant locations shall be indicated by placement of a blue reflector in the middle of the roadway lane closest to the hydrant.

- 36 DEPARTMENT: FRMSH - FIRE MARSHAL REVIEW
REVIEW ITEM: NFPA 1 Chapter 18.2.3 - Fire Dept Access Roads
STATUS OF REVIEW: NO
REMARKS: The road way in the front of the multi-unit building appears to be over the 150 feet which will required an additional fire department turn around. Per NFPA 1 Chapter 18 for fire department access. Where fire department access roads exceed 150 feet a fire department turnaround shall be required.
- 37 DEPARTMENT: LUCURR - LAND USE CURRENT REVIEW
REVIEW ITEM: 2.12.16/6.5 - [EALS or EALS-ER provided?]
STATUS OF REVIEW: NO
REMARKS: Please provide an Environmental Assessment.
- 38 DEPARTMENT: 911 - 911 MANAGEMENT
REVIEW ITEM: 2.12.28 - Correct road names supplied
STATUS OF REVIEW: NO
REMARKS: Sheet C000 has address listed as TBD Highway 441, it should be TBD S US Highway 441. Also all sheets except for the Cover Sheet have the address incorrect as TBD SE Highway 441 in the Title Bar. It should be TBD S US Highway 441 ("SE" should be "S"). Sheet C002 has an incorrect road name of US HWY 441/27, the official 911 designation is S US HWY 441.
- 39 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.7.9 - Replacement trees; general requirements
STATUS OF REVIEW: NO
REMARKS: Mitigation inches do not meet requirements, please contact staff for further discussion
- 40 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.8.6 - Buffers
STATUS OF REVIEW: NO
REMARKS: 1. Type B buffer requires a 6' high wall. waiver required
- 41 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.8.7 - Parking areas and vehicular use areas
STATUS OF REVIEW: NO
REMARKS: Provide 5' min. strip of landscape screening around the perimeter of parking areas
- 42 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.8.12 - Landscape completion inspection requirements
STATUS OF REVIEW: NO
REMARKS: provide note from this section of code
- 43 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.9.6 - Completion inspection requirements
STATUS OF REVIEW: NO
REMARKS: provide note from this section of code

- 44 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.19.3 - Outdoor lighting plan requirements
STATUS OF REVIEW: NO
REMARKS: will there be outdoor lighting? if so, a photometric plan is required
- 45 DEPARTMENT: ZONE - ZONING DEPARTMENT
REVIEW ITEM: 2.12.24 - Landscape requirements/6.8.6 - Buffering
STATUS OF REVIEW: NO
REMARKS: label buffer types.
- 46 DEPARTMENT: ZONE - ZONING DEPARTMENT
REVIEW ITEM: 2.12.32 - Modified Environmental Assessment for Listed Species (LDC 6.5.4) -OR- EALS
Exemption Application (LDC 6.5.3) submitted (including habitat assessment as necessary per LDC 6.6.4)
STATUS OF REVIEW: NO
REMARKS: provide environmental assessment or exemption.



**Marion County
Board of County Commissioners**

AR 30535

Office of the County Engineer

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

DEVELOPMENT REVIEW COMMITTEE WAIVER REQUEST FORM

Date: 04/23/24 Parcel Number(s): 47696-000-01 Permit Number: 30535

A. PROJECT INFORMATION: Fill in below as applicable:

Project Name: Next Dimension Construction Commercial Residential
Subdivision Name (if applicable): N/A
Unit N/A Block N/A Lot N/A Tract N/A

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

Name (print): Shane Villareal
Signature: 
Mailing Address: 13624 SE Hwy 441 City: Summerfield
State: Florida Zip Code: 34491 Phone # (352) 857-1469
Email address: shanev@nextdimensionconstruction.com

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

Firm Name (if applicable): Next Dimension Construction Contact Name: Shane Villareal
Mailing Address: 13624 SE Hwy 441 City: Summerfield
State: Florida Zip Code: 34491 Phone # (352) 857-1469
Email address: shanev@nextdimensionconstruction.com

D. WAIVER INFORMATION:

Section & Title of Code (be specific): Section 6.13.8.B(7) - Minimum Pipe Size
Reason/Justification for Request (be specific): LDC requires 18" minimum pipe sizes but those pipe sizes are excessively large for the volume of runoff they convey in some cases. Hydraulic calculations are provided that justify the use of smaller pipe sizes.

DEVELOPMENT REVIEW USE:

Received By: Email 4/23/24 Date Processed: 4/24/24 BM Project # 2016110020 AR # 30535

ZONING USE: Parcel of record: Yes No Eligible to apply for Family Division: Yes No
Zoned: _____ ESOZ: _____ P.O.M. _____ Land Use: _____ Plat Vacation Required: Yes No
Date Reviewed: _____ Verified by (print & initial): _____



**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 COMMITTEE WAIVER REQUEST FORM

Section & Title of Code (be specific) Section 6.13.2.A(6) Minimum Pipe Size
Reason/Justification for Request (be specific): LDC requires 18" minimum pipe sizes but those pipe sizes are excessively large for the volume of runoff they convey in some cases. Hydraulic calculations are provided that justify the use of smaller pipe sizes.

Section & Title of Code (be specific) Section 6.12.12 Sidewalks
Reason/Justification for Request (be specific): No sidewalks exist in the area and the Applicant requests that a payment be made into the sidewalk fund in lieu of actual sidewalk construction.

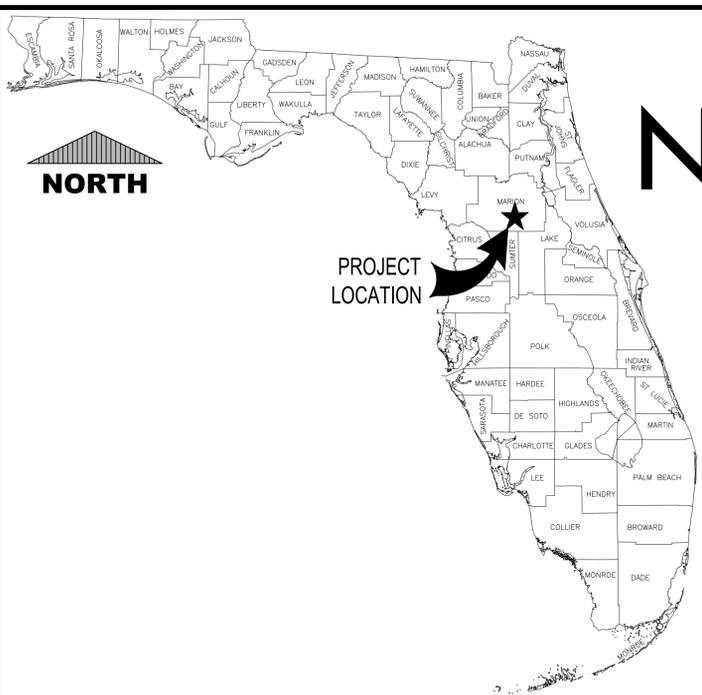
Section & Title of Code (be specific) _____
Reason/Justification for Request (be specific): _____

Section & Title of Code (be specific) _____
Reason/Justification for Request (be specific): _____

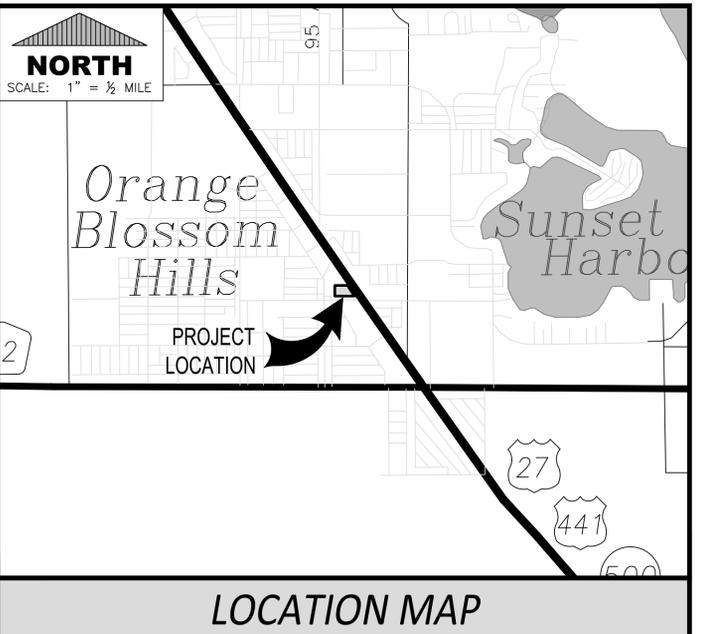
Section & Title of Code (be specific) _____
Reason/Justification for Request (be specific): _____

Section & Title of Code (be specific) _____
Reason/Justification for Request (be specific): _____

Section & Title of Code (be specific) _____
Reason/Justification for Request (be specific): _____



VICINITY MAP



LOCATION MAP

APPROVED WAIVERS:
 XXXXXXX

UTILITY PROVIDERS:

WATER	MARION CO. UTILITIES
SEWER	MARION CO. UTILITIES
ELECTRIC	DUKE ENERGY
GAS	TECO PEOPLES GAS

SITE DATA:

NAME: NEXT DIMENSION CONSTRUCTION

OWNER: BRETT VILLAREAL
 NEXT DIMENSION CONSTRUCTION, INC.
 13624 SE HWY 441
 SUITE 101
 SUMMERFIELD, FLORIDA 34491
 (352) 857-1469
 BRETTV@NEXTDIMENSIONCONSTRUCTION.COM

DEVELOPER: BRETT VILLAREAL
 NEXT DIMENSION CONSTRUCTION, INC.
 13624 SE HWY 441
 SUITE 101
 SUMMERFIELD, FLORIDA 34491
 (352) 857-1469
 BRETTV@NEXTDIMENSIONCONSTRUCTION.COM

CONTACT PERSON: BRETT VILLAREAL
 NEXT DIMENSION CONSTRUCTION, INC.
 13624 SE HWY 441
 SUITE 101
 SUMMERFIELD, FLORIDA 34491
 (352) 857-1469
 BRETTV@NEXTDIMENSIONCONSTRUCTION.COM

PARCEL NO.: 47696-000-01

LAND USE/ZONING: COM/B-4

PARCEL AREA: 3.8125 ACRES

FLOOR AREA RATIO: 0.1686 (16.86%)

PROPOSED USE: OFFICE & WHSE/STORAGE

HOURS OF OPERATION: 8:00 AM TO 8:00 PM

SPRINGS PROTECTIONS: SECONDARY SPRINGS PROTECTION AREA

PROPERTY LIES IN FLOOD ZONE X, AREA OF MINIMAL FLOODING

AREA CALCULATIONS:

SITE AREA:	166,071 SF =>	3.8125 AC
IMPERVIOUS AREA:		
NEW BUILDING	23,300 SF	
PAVEMENT	43,977 SF	
CONCRETE	3,723 SF	
TOTAL	71,020 SF (42.76%)	
OPEN SPACE	95,051 SF (57.24%)	

TRAFFIC STATEMENT:

SEE TRAFFIC STATEMENT PRODUCED BY TRAFFIC PLANNING AND DESIGN, INC.

GENERAL INFO. FROM TRAFFIC STATEMENT

AADT - 280 TRIPS/DAY

AM PK HR - 35 TRIPS (31 ENTER, 4 EXIT)

PM PK HR - 36 TRIPS (7 ENTER, 29 EXIT)

PARKING CALCULATIONS:

OFFICE SPACE:

REQUIRED PARKING: 2.5 SPACES PER 1,000 SF
 (2.5/1000) x 19,600 SF = 49 SPACES

WHSE/STORAGE:

REQUIRED PARKING: 1.0 SPACES PER 2,000 SF
 (1.0/2000) x 8,400 SF = 4.2 SPACES > 4 SPACES

TOTAL REQUIRED SPACES: 53 SPACES

PROVIDED PARKING: 57 REGULAR SPACES
 5 HC SPACES
 62 TOTAL SPACES

HC PARKING REQ'D: 1 SPACE PER 25 SPACES
 1/25 SPACES x 57 = 2.28 H/C SPACES

HANDICAP SPACES PROVIDED: 5 H/C SPACES

RADIO SIGNAL REQUIREMENT:

THIS BUILDING WILL BE REQUIRED TO CONDUCT A TEST FOR MINIMUM RADIO SIGNAL STRENGTH TO DETERMINE COVERAGE. IF THE MINIMUM SIGNAL STRENGTH IS DEEMED INSUFFICIENT THEN A RADIO SIGNAL ENHANCEMENT SYSTEM MUST BE INSTALLED AND THE BUILDING RETESTED TO ENSURE IT MEETS THE MINIMUM CRITERIA OF NFPA 1 CHAPTER 11.10.1.

CONCURRENCY NOTE:

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

CROSS-ACCESS NOTE:

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 CONNOR TRACTOR.

- GENERAL NOTES:**
- THIS PROJECT SHALL BE SERVED WATER BY CONNECTION TO EXISTING MARION COUNTY CENTRAL WATER AND SEWER INFRASTRUCTURE LOCATED ADJACENT TO THE EXISTING PROJECT SITE.
 - ALL AREAS WITHIN THE FDOT RIGHT-OF-WAY THAT ARE DISTURBED BY CONSTRUCTION SHALL BE SODED WITH BAHIA ARGENTINA AND IN ACCORDANCE WITH ALL FDOT REQUIREMENTS.
 - ALL CONSTRUCTION COVERED BY THESE PLANS SHALL COMPLY WITH THE MATERIAL REQUIREMENTS AND QUALITY CONTROL STANDARDS CONTAINED IN THE MARION COUNTY LAND DEVELOPMENT CODE AND THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST ADOPTED EDITION AND THE FDOT STANDARD PLANS, LATEST ADOPTED EDITION.
 - THE STOP SIGNS MUST BE INSTALLED ON 2"x2" SQUARE POSTS, 14 FEET IN LENGTH, 14 GAUGE, 4 LBS/FT. ALL SIGNS ON-SITE SHALL MEET MARION COUNTY LAND DEVELOPMENT REGULATIONS AND ALL SIGNS WITHIN THE FDOT RIGHT-OF-WAY SHALL COMPLY WITH THE FDOT STANDARD PLANS AND SPECIFICATIONS, LATEST ADOPTED EDITIONS.
 - ALL STOP BARS SHALL BE WHITE 24" WIDE LEAD-FREE THERMOPLASTIC.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND BURIAL DEPTH OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
 - LANDSCAPE INSTALLATION PROFESSIONALS PERFORMING WORK FOR HIRE WITHIN THE UNINCORPORATED AREAS OF MARION COUNTY SHALL BE LANDSCAPE CONTRACTORS LICENSED BY THE MARION COUNTY BUILDING DEPARTMENT, UNLESS OTHERWISE LICENSED BY THE STATE OF FLORIDA.
 - NO SIGHT LIGHTING IS PROPOSED FOR THIS PROJECT.
 - NO CHANGE TO THE WORK AS SHOWN ON THE APPROVED PLANS SHALL BE MADE WITHOUT NOTIFICATION TO AND APPROVAL BY THE OFFICE OF THE COUNTY ENGINEER.

SITE/CIVIL DRAWINGS

C000	COVER SHEET
C001	NOTES AND LEGEND
C002	AERIAL PHOTOGRAPH
C100	SITE PLAN
C101	GRADING AND DRAINAGE PLAN
C102	UTILITY PLAN
C200	PLAN & PROFILE - DRIVEWAY
C201	PLAN & PROFILE - REVERSE ACCESS
C202	PLAN & PROFILE - FRONT PARKING
C203	PLAN & PROFILE - SOUTH DRIVEWAY
C204	PLAN & PROFILE - PRIVATE ACCESS
C500	DETAILS
C501	DETAILS
C502	DETAILS
C503	DETAILS
C504	DETAILS
C600	LIFT STATION

SWPPP

LANDSCAPE & IRRIGATION PLANS BY OTHERS

SURVEY BY OTHERS

OWNER CERTIFICATION:

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

OWNER SIGNATURE _____ DATE _____

ENGINEER CERTIFICATION:

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

BARRY GINN, PE
 FL 54595 _____ DATE _____

SURVEYOR CERTIFICATION:

I HEREBY CERTIFY THAT THE SURVEY REPRESENTED HEREON IS IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS OF THE LDC AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS.

PROJECT SURVEYOR _____ DATE _____
 PSM # _____

CONSULTANT

240 SW 8TH STREET, SUITE A
 OCALA, FLORIDA 34471
 (352) 287-1480
 WWW.INFINITEENGL.COM
 CERT. OF AUTH. # 33000

PROJECT TITLE

A MAJOR SITE PLAN FOR
 NEXT DIMENSION
 CONSTRUCTION
 TBD SE HIGHWAY 441
 SUMMERFIELD, FLORIDA 34491

SHEET TITLE

COVER SHEET

CLIENT INFORMATION

NEXT DIMENSION CONSTRUCTION, INC.
 13624 SE HIGHWAY 441
 SUITE 101
 SUMMERFIELD, FLORIDA 34491
 (352) 857-1469

SUBCONSULTANTS

ENGINEER OF RECORD

BARRY EDWARD GINN, P.E.
 FLORIDA PROFESSIONAL ENGINEER
 FL PE NUMBER 54595

ISSUE DATE

August 14, 2023

PROJECT NUMBER NUMBER

2023-002

REVISIONS

DATE	DESCRIPTION

SHEET DESIGNATION

C000

SHEET

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GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE TO THE LATEST EDITION OF THE MARION COUNTY'S "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION".
- ALL UNSUITABLE MATERIAL ENCOUNTERED SHALL BE DISPOSED OF AND REPLACED WITH APPROVED MATERIAL.
- NEW WATER MAIN TO BE INSTALLED AT 36" DEPTH (MIN.) TO TOP OF PIPE EXCEPT WHERE VERTICAL ADJUSTMENTS ARE REQUIRED TO AVOID CONFLICTS. SEE ALSO NOTES 14 AND 15 BELOW.
- ALL UTILITIES SHOWN ON THESE PLANS HAVE BEEN PLOTTED FROM THE BEST AVAILABLE RECORDS. IT IS THE CONTRACTORS RESPONSIBILITY TO ACQUIRE LOCATES FROM THE UTILITY AGENCIES TO VERIFY LOCATIONS AND CONDITIONS PRIOR TO CONSTRUCTION.
- EXCAVATED MATERIAL WILL BE LOADED ONTO DUMP TRUCKS DIRECTLY BEHIND THE EQUIPMENT AND HAULED OFF TO THE DESIGNATED SITE. TRAFFIC CONTROL MEASURES SHALL BE PLACED ACCORDINGLY TO ACCOMMODATE THIS PROCESS.
- INSTALL HAY BALES AT ALL INLETS TO MINIMIZE DEBRIS ENTERING THE STORM DRAIN SYSTEM.
- THE TRAFFIC CONTROL PLAN FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD); THE MARION COUNTY STANDARD SPECIFICATION FOR ROAD CONSTRUCTION (LATEST EDITION); THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC STANDARD PLANS, SERIES 102, LATEST EDITION; AND ANY REQUIREMENTS OF MARION COUNTY THAT MEET OR EXCEED ANY OF THE ABOVE.
- UNLESS OTHERWISE SPECIFIED ON THE PLANS, THE CONTRACTOR SHALL MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR MAY, UPON APPROVAL OF THE ENGINEER IN CHARGE, RESTRICT TRAFFIC TO ONE-WAY OPERATION FOR SHORT PERIODS OF TIME PROVIDED THAT ADEQUATE MEANS OF TRAFFIC CONTROL ARE EFFECTED AND TRAFFIC IS NOT UNREASONABLY DELAYED.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ACCEPTABLE ACCESS TO ALL BUSINESSES AND RESIDENCES ALONG THE PROJECT ROUTE WHENEVER CONSTRUCTION INTERFERES WITH THE EXISTING MEANS OF ACCESS. FLAGMEN SHALL BE USED WHEN NO ALTERNATE ACCESS IS POSSIBLE.
- THE REQUIRED TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION WHICH MAY CREATE ANY HAZARDOUS CONDITION. THE CONTRACTOR SHALL IMMEDIATELY REMOVE, COVER, OR TURN ANY DEVICE WHICH DOES NOT APPLY TO THE EXISTING CONDITIONS.
- THE CONTRACTOR SHALL HAVE A STATE OF FLORIDA CERTIFIED MAINTENANCE OF TRAFFIC SUPERVISOR WITH THE RESPONSIBILITY OF MAINTAINING THE POSITIONING AND CONDITION OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS THROUGHOUT THE DURATION OF THE PROJECT. THE ENGINEER IN CHARGE SHALL BE KEPT ADVISED AS TO THE IDENTIFICATION AND MEANS OF CONTACTING THIS EMPLOYEE ON A 24-HOUR BASIS.
- ALL DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL CONDITION.
- THE CONTRACTOR SHALL BE NOISE SENSITIVE FOR NIGHT OPERATIONS.
- NEW OR RELOCATED WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST 6 FEET AND PREFERABLY 10 FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING GRAVITY SEWER, SEWER FORCE MAIN OR RECLAIMED WATER MAINS. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO 3 FEET WHERE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE SEWER. NEW OR RELOCATED UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR NEW GRAVITY SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 6 INCHES AND PREFERABLY 12 INCHES ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPE LINE. IT IS PREFERABLE TO INSTALL THE WATER MAIN ABOVE OTHER PIPE LINES.
- AT THE UTILITY CROSSINGS, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE CROSSING PIPELINES, SO THAT WATER LINE JOINTS ARE AS FAR AS POSSIBLE FROM THE CROSSING PIPE. PIPE CROSSINGS SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST 3 FEET FROM JOINTS IN VACUUM TYPE RECLAIMED WATER SEWER MAINS AND AT LEAST 6 FEET FROM ALL JOINTS IN GRAVITY SEWERS AND SEWER FORCE MAINS.
- THE CONTRACTOR SHALL ADHERE TO ALL ELEMENTS OF THE TRENCH SAFETY ACT, F.S. 553, Part III (LATEST EDITION) AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION'S (OSHA) EXCAVATION SAFETY STANDARDS, 29 CFR s. 1926.650 Subpart P WHICH ARE INCORPORATED INTO THIS CONTRACT BY REFERENCE.

FDEP NOTES

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

FDOT NOTES

- ALL CONSTRUCTION WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE LATEST FDOT STANDARD PLANS AND THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE UTILITY ACCOMMODATION (UAM).
- RESTORE AND RE-SOD ALL DISTURBED AREAS IN ACCORDANCE WITH THE FDOT STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL MAINTAIN THAT PORTION OF THE RIGHT-OF-WAY AFFECTED BY THE PERMIT INSTALLATION UNTIL VEGETATION IS ESTABLISHED. PERFORM ALL WORK NECESSARY, INCLUDING WATERING AND FERTILIZING, TO SUSTAIN AN ESTABLISHED TURF UNTIL FINAL ACCEPTANCE, AT NO ADDITIONAL EXPENSE TO THE FDOT OR MARION COUNTY. PROVIDE FILLING, LEVELING, AND REPAIRING OF ANY WASHED OR ERODED AREAS, AS MAY BE NECESSARY.
- AT SUCH LOCATIONS WHERE FDOT SIGNS, REFLECTORS, OR OTHER STRUCTURES WILL INTERFERE WITH PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE LOCAL MAINTENANCE OFFICE OR RESIDENT ENGINEER 48 HOURS PRIOR TO CONSTRUCTION. ALL ITEMS THAT REQUIRE RELOCATION OR REPLACEMENT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR MOWING, AT NO ADDITIONAL EXPENSE TO FDOT OR MARION COUNTY, ANY AREA WITHIN PUBLIC RIGHTS-OF-WAY WHERE THE PERMITTED WORK OR WHERE UTILITY LOCATE FLAGS PLACED FOR PERMITTED WORK CREATES A HINDRANCE FOR OR INTERFERES WITH MAINTENANCE ENTITY'S REGULAR MOWING OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MOWING UNTIL ALL SUCH HINDRANCES ARE REMOVED SO THAT REGULAR MAINTENANCE ENTITY MOWING CAN BE RESUMED. THE CONTRACTOR SHALL MEET THE MOWING REQUIREMENTS ESTABLISHED BY THE DEPARTMENT'S MAINTENANCE RATING PROGRAM (MRP). CONTACT THE LOCAL FDOT MAINTENANCE OFFICE FOR DETAILS (352.732.1338).
- ALL UTILITY LOCATE FLAGS SHALL BE REMOVED BY THE CONTRACTOR WHEN THEY ARE NO LONGER NEEDED.
- REVIEW AND COMPLY WITH THE "SPECIAL PROVISIONS" AND OTHER ATTACHMENTS TO THE FDOT PERMIT FOR THIS PROJECT.
- CALL "SUNSHINE" FOR UTILITY LOCATION SERVICE 2 BUSINESS DAYS PRIOR TO CONSTRUCTION (1-800-432-4770).
- TRAFFIC CONTROL THROUGHOUT THE WORK ZONE SHALL BE PER THE FDOT STANDARD PLANS, SERIES 102.
- MOT PLAN SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS 102-602, 102-603, 102-661.
- COORDINATE ALL UTILITY CLEARANCES WITH THE OWNER OF SUCH UTILITIES PRIOR TO CONSTRUCTION COMMENCEMENT.
- CONTRACTOR SHALL CONDUCT A SIDEWALK SURVEY, IF APPLICABLE, TO DETERMINE THE EXISTING CONDITION OF AFFECTED SIDEWALKS AND SUBMIT SAID SURVEY TO FDOT AND MARION COUNTY PRIOR TO CONSTRUCTION COMMENCEMENT.
- CONTRACTOR SHALL NOTIFY ALL PROPERTY OWNERS AFFECTED BY PROPOSED CONSTRUCTION ACTIVITIES IN ADVANCE OF SUCH OPERATIONS IN ACCORDANCE WITH FDOT NOTIFICATION REQUIREMENTS.
- A PRE-CONSTRUCTION CONFERENCE SHALL BE CONDUCTED BY MARION COUNTY WITH THE CONTRACTOR & FDOT PERSONNEL.

CONSULTANT



Infinite Engineering

240 SW 8TH STREET, SUITE A
OCALA, FLORIDA 34471
(352) 281-1480
WWW.INFINITEENGL.COM
CERT. OF AUTH. # 33000

PROJECT TITLE

APPROVAL STAMP AREA

**A MAJOR SITE PLAN FOR
NEXT DIMENSION
CONSTRUCTION
TBD SE HIGHWAY 441
SUMMERFIELD, FLORIDA 34491**

SHEET TITLE

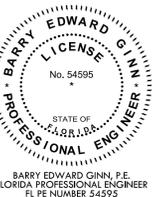
**NOTES AND
LEGEND**

CLIENT INFORMATION

NEXT DIMENSION CONSTRUCTION, INC.
13624 SE HIGHWAY 441
SUITE 101
SUMMERFIELD, FLORIDA 34491
(352) 857-1469

SUBCONSULTANTS

ENGINEER OF RECORD



BARRY EDWARD GINN, P.E.
FLORIDA PROFESSIONAL ENGINEER
FL PE NUMBER 54595

ISSUE DATE

August 14, 2023

PROJECT NUMBER NUMBER

2023-002

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DATE	DESCRIPTION

SHEET DESIGNATION

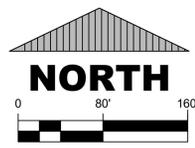
C001

SHEET

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SELECTIVE ABBREVIATIONS AND LEGEND SYMBOLS

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION	MH	MANHOLE	---	PROJECT BOUNDARY LINE	⊗	EXISTING WATER VALVE
AIP	ABANDON IN PLACE	FFE	FINISHED FLOOR ELEVATION	MIN	MINIMUM	---	RIGHT OF WAY OR PROPERTY LINE	⊕	PROPOSED GATE VALVE
APP	APPROVE, APPROVED	FH	FIRE HYDRANT	MISC	MISCELLANEOUS	---	EASEMENT OR SETBACK LINE	⊗	PROPOSED BUTTERFLY VALVE
APPROX	APPROXIMATE	FIG	FIGURE	N	NORTHING	---	EXISTING PAVEMENT	⊕	PROPOSED AIR RELEASE VALVE
BLDG	BUILDING	FIN	FINISHED	N/A	NOT APPLICABLE	---	PROPOSED PAVEMENT	⊗	FLUSH POINT
BM	BENCHMARK	FL	FLOOR	N/AVAIL	NOT AVAILABLE	---	CENTERLINE	⊕	SAMPLING POINT
BTM	BOTTOM	FLEX	FLEXIBLE	NIC	NOT IN CONTRACT	---	EXISTING STRUCTURES	⊗	PROPOSED FIRE HYDRANT
°C	DEGRESS CELCIUS	FPP	FIRE PROTECTION PIPING	No	NUMBER	---	EXISTING CONTOUR	⊕	PROPOSED TEE
CFM	CUBIC FEET PER MINUTE	FT	FOOT	NOM	NOMINAL	---	FENCE LINE	⊗	PROPOSED BEND
CO	COMPANY	GAL	GALLON	NTS	NOT TO SCALE	---	GATE	⊕	PROPOSED PLUG OR CAP
CONT	CONTINUOUS	GALV	GALVANIZED	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	---	OVERHEAD ELECTRIC	⊗	PROPOSED CROSS
C/M	CONSTRUCTION MONUMENT	GR	GRADE	PI	POINT OF INTERSECTION	---	OVERHEAD TELEPHONE CABLE	⊕	PUMPING STATION
CTRD	CENTERED	GS	GALVANIZED STEEL	RAD	RADIUS	---	OVERHEAD CABLE TELEVISION	⊗	PROPOSED WATER METER
DES	DESIGNATION	GSP	GALVANIZED STEEL PIPE	REQ	REQUIRED	---	UNDERGROUND ELECTRIC	⊕	PROPOSED CHECK VALVE
DET	DETAIL	H	HIGH	R/W	RIGHT-OF-WAY	---	UNDERGROUND TELEPHONE CABLE	⊗	PROPOSED REDUCER
DIA	DIAMETER	HDPE	HIGH DENSITY POLYETHYLENE	SAN	SANITARY SEWER	---	UNDERGROUND CABLE TELEVISION	⊕	PROPOSED SINGLE WATER SERVICE
DN	DOWN	HORIZ	HORIZONTAL	SCH	SCHEDULE	---	EXISTING GAS LINE	⊗	PROPOSED DOUBLE WATER SERVICE
DWG	DRAWING	HT	HEIGHT	SHT	SHEET	---	PROPOSED GAS LINE	⊕	PROPOSED BLOWOFF ASSEMBLY
E	EASTING	HWL	HIGH WATER LEVEL	SJRWMD	ST. JOHNS RIVER WATER MANAGEMENT DISTRICT	---	EXISTING WATER MAIN	⊗	PROPOSED SANITARY MANHOLE
EA	EACH	IE	INVERT ELEVATION	SPEC	SPECIFICATIONS	---	PROPOSED WATER MAIN	⊕	PROPOSED DROP MANHOLE
EL	ELEVATION	IW	INDUSTRIAL WATER	STA	STATION	---	EXISTING SANITARY SEWER	⊗	PROPOSED MANHOLE STUB OUT
ELEC	ELECTRICAL	LBR	LIMEROCK BEARING RATIO	STD	STANDARD	---	PROPOSED SANITARY SEWER	⊕	
EOP	EDGE OF PAVEMENT	LF	LINEAR FEET	STL	STEEL	---	EXISTING STORM SEWER	⊗	
EQ	EQUAL	MAX	MAXIMUM	TBM	TEMPORARY BENCH MARK	---	PROPOSED STORM SEWER	⊕	
EXIST	EXISTING	MECH	MECHANICAL	TYP	TYPICAL	---	PROPOSED FIRE HYDRANT	⊗	
*F	DEGREES FARENHEIT	MFR	MANUFACTURER			---	EXISTING FIRE HYDRANT	⊕	



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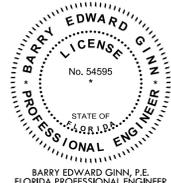
Infinite Engineering
 240 SW 8TH STREET, SUITE A
 OCALA, FLORIDA 34471
 (352) 267-1469
 WWW.INFINITEENGL.COM
 CERT. OF AUTH. # 33000

PROJECT TITLE
**A MAJOR SITE PLAN FOR
 NEXT DIMENSION
 CONSTRUCTION
 TBD SE HIGHWAY 441
 SUMMERFIELD, FLORIDA 34491**

SHEET TITLE
**AERIAL
 PHOTOGRAPH**

CLIENT INFORMATION
 NEXT DIMENSION CONSTRUCTION, INC.
 13624 SE HIGHWAY 441
 SUITE 101
 SUMMERFIELD, FLORIDA 34491
 (352) 857-1469

SUBCONSULTANTS

ENGINEER OF RECORD

 BARRY EDWARD GINN, P.E.
 FLORIDA PROFESSIONAL ENGINEER
 FL PE NUMBER 54595

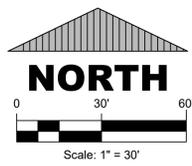
ISSUE DATE
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REVISIONS	
DATE	DESCRIPTION

SHEET DESIGNATION
C002

SHEET
3 OF 17



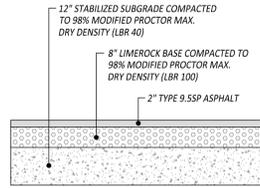
DISTRICT REQUIREMENTS

LOT WIDTH:	NONE
LOT DEPTH:	NONE
LOT AREA:	NONE
SETBACKS:	
FRONT	40 FEET
SIDE	10 FEET
REAR	25 FEET
OPEN SPACE	20 %
FLOOR AREA RATIO:	1.0 MAX.
MAX. BLDG. HT.:	50 FEET

PARKING CALCULATIONS:

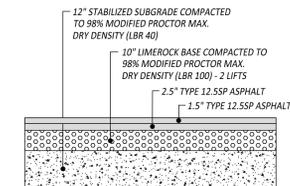
OFFICE: 2.5/1,000SF x 10,600SF = 26.5 SPACES
 RETAIL: 1/300SF x 9,000SF = 30 SPACES
 STORAGE/WHSE: 1/2,000SF x 8,400SF = 4.2 SPACES
 TOTAL SPACES REQUIRED: 60.7 > 61 SPACES
 HC SPACES REQ'D.: 1/25 SPACES x 61 SPACES = 3 SPCS.

REG. SPACES PROVIDED: 61 SPACES
 HC SPACES PROVIDED: 5 SPACES
 TOTAL SPACES PROVIDED: 66 SPACES



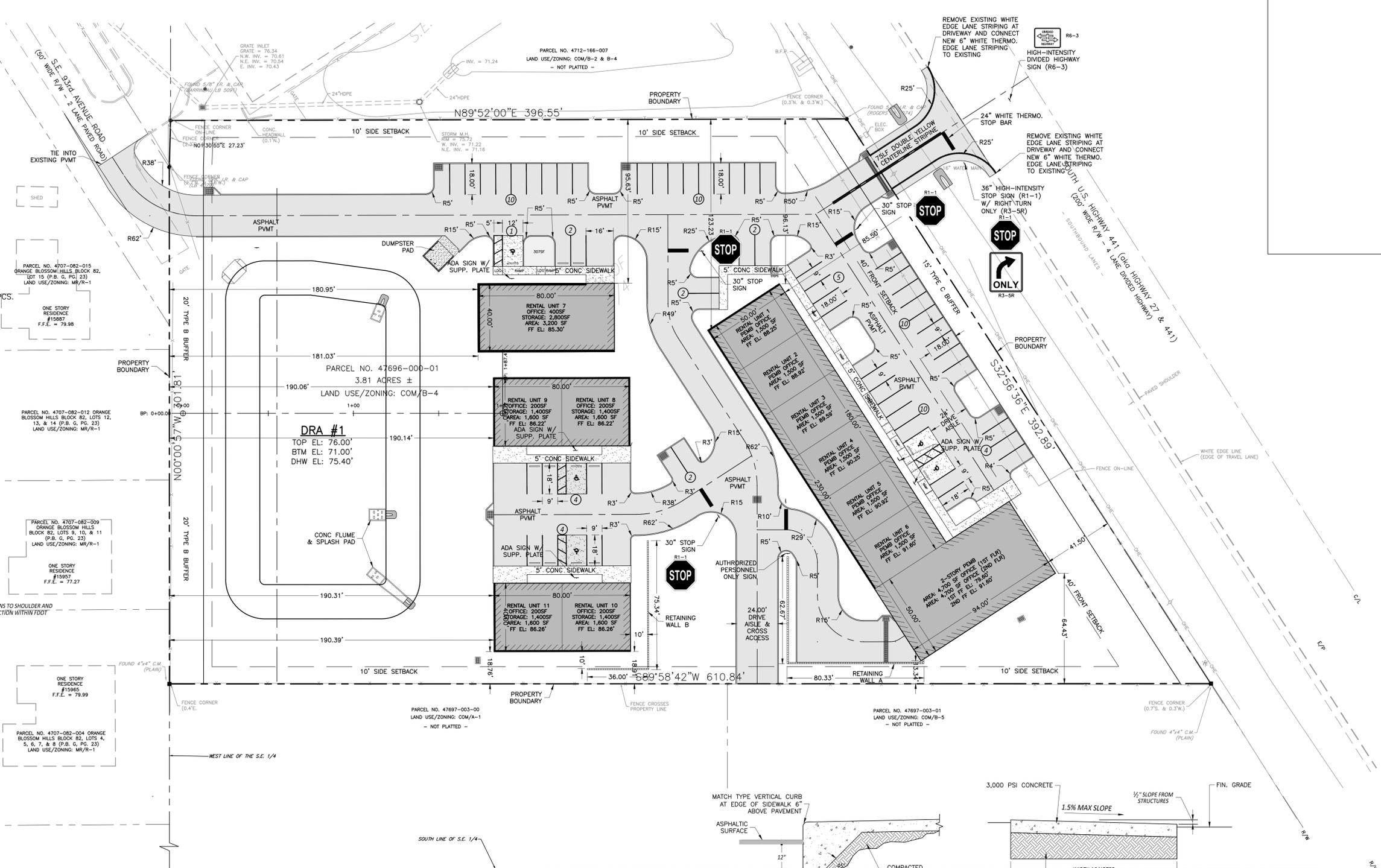
ASPHALT PAVEMENT SECTION

NTS



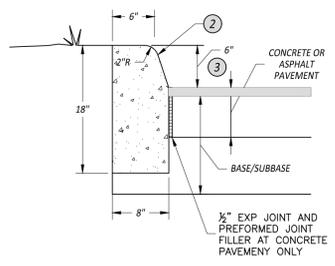
FDOT PAVEMENT SECTION

NTS



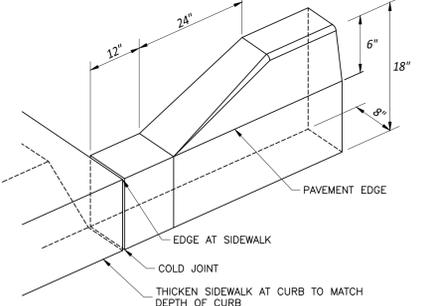
SITE PLAN LEGEND

- PROPOSED BUILDINGS
- PROPOSED PAVEMENT
- PROPOSED CONCRETE
- PROPOSED CURB
- PROPOSED SIGNAGE
- PROPOSED SETBACK/EASEMENT
- HANDICAP SYMBOL
- UNINTERRUPTED PARKING SPACES



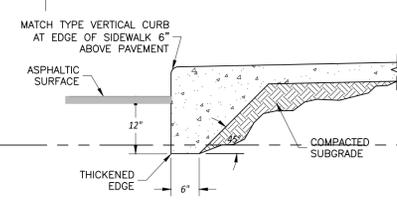
TYPE "D" CURB DETAIL
SCALE: NONE

- WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT.
- PROVIDE CONTRACTION JOINTS @ 10' O.C. AND EXPANSION JOINTS @ 50' O.C. ALL JOINTS SEALED PER SPECIFICATIONS
- 6" HEIGHT SHALL BE UNIFORM, IF HEIGHT VARIES +/- 1/2" THEN CURB WILL BE REPLACED AT THE DISCRETION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

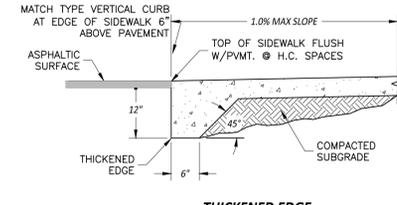


TYPE "D" CURB TERMINATION DETAIL
SCALE: NONE

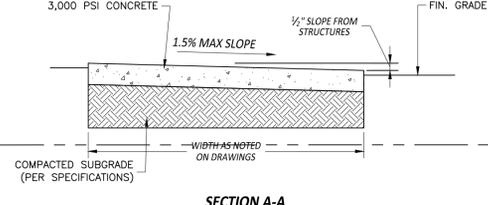
- EXTRUDE CURB AND BROOM FINISH
- PROVIDE 1/2" EXPANSION JOINTS AT ALL COLD JOINTS.
- SAW CUT CONSTRUCTION JOINTS AT 10'-0" O.C.
- ALL EXPOSED SURFACES SHALL BE STRIPED GREEN, TROWLED AND CURB EDGING RUBBED SMOOTH.
- "GLUED-ON" EXTRUDED CURB NOT PERMITTED.



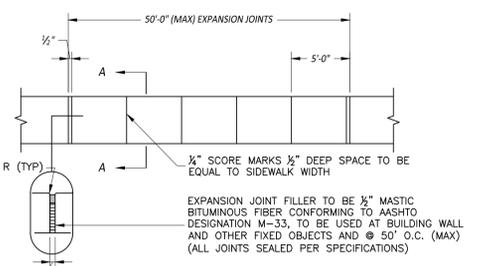
THICKENED EDGE ADJACENT TO PAVEMENT



THICKENED EDGE ADJACENT TO ADA WALKWAY



SECTION A-A



PLAN

SIDEWALK DETAILS
SCALE: NONE

CONSULTANT

 Infinite Engineering
 240 SW 8TH STREET, SUITE A
 OCALA, FLORIDA 34471
 (352) 287-1489
 WWW.INFINITEENGINEERING.COM
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PROJECT TITLE
**A MAJOR SITE PLAN FOR
 NEXT DIMENSION
 CONSTRUCTION
 CONSTRUCTION**
 TBD SE HIGHWAY 441
 SUMMERFIELD, FLORIDA 34491

SHEET TITLE
SITE PLAN

CLIENT INFORMATION
 NEXT DIMENSION CONSTRUCTION, INC.
 13624 SE HIGHWAY 441
 SUITE 101
 SUMMERFIELD, FLORIDA 34491
 (352) 857-1469

SUBCONSULTANTS

ENGINEER OF RECORD

 BARRY EDWARD GINN, P.E.
 FLORIDA PROFESSIONAL ENGINEER
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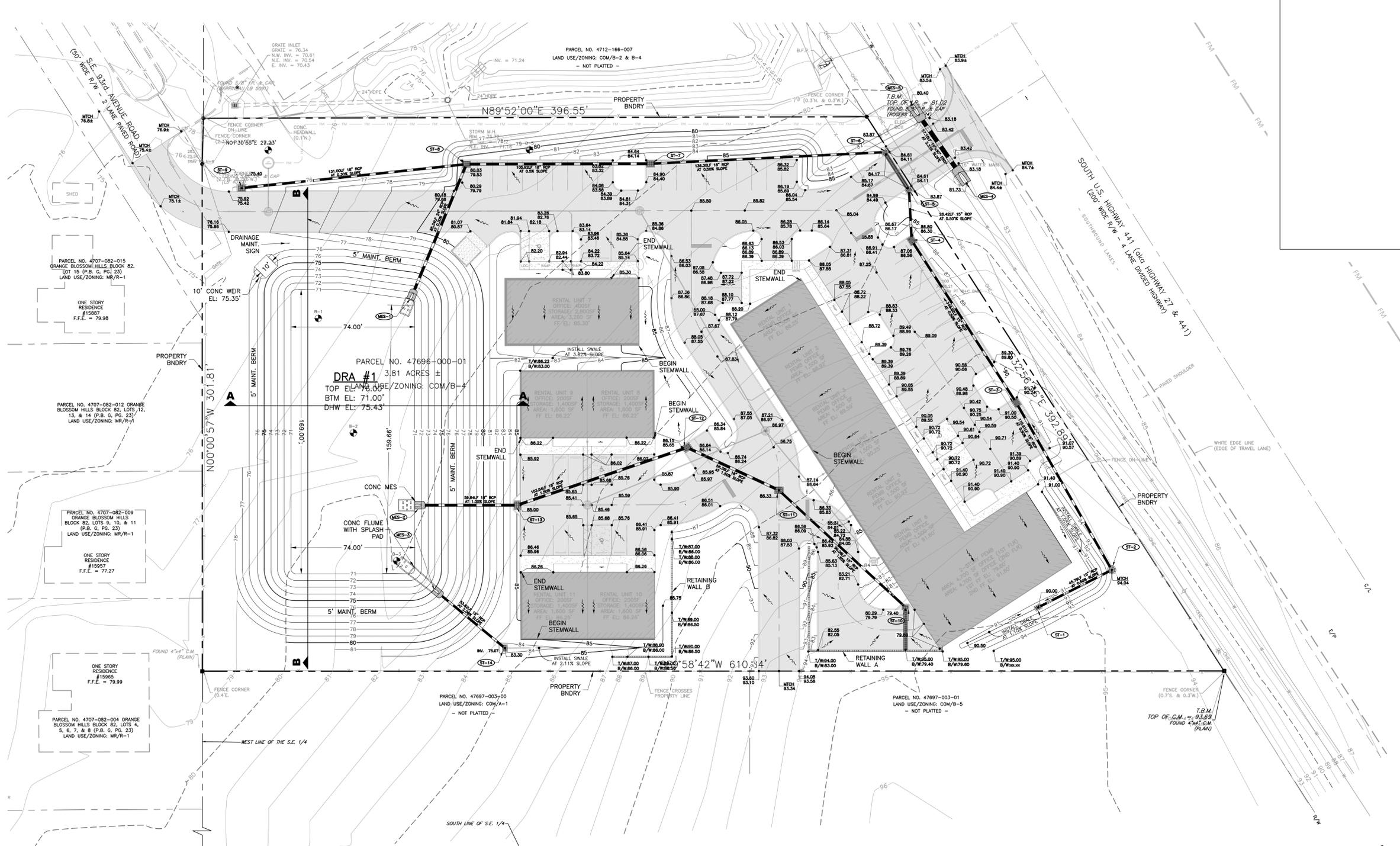
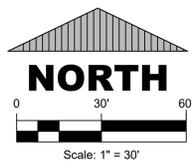
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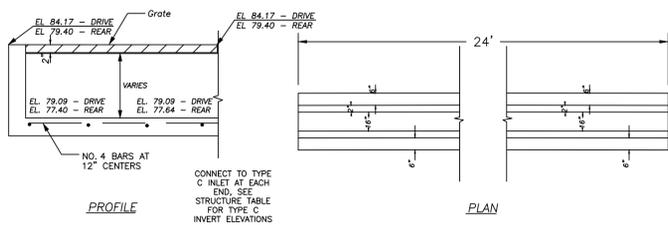
SHEET DESIGNATION
C100

SHEET
4 OF 17



DRAINAGE LEGEND

- PROPOSED STORM PIPE
- PROPOSED STORM INLET
- PROPOSED CONTOURS
- PROPOSED DRAINAGE BNDY
- PROPOSED SPOT ELEVATIONS
- PROPOSED MITERED END SECTION



TRENCH DRAIN DETAILS
NTS

STORM STRUCTURE TABLE							
INLET DES.	INLET RIM/GRD.	N INV.	S. INV.	E INV.	W INV.	TYPE	NOTES
ST-1	90.00'	-	-	86.52'	-	TYPE C INLET	FDOT STANDARD PLAN 425-052
ST-2	94.04'	86.29'	-	-	86.29'	4" DIA. MH	FDOT STANDARD PLAN 425-010
ST-3	90.24'	82.30'	85.74'	-	-	TYPE D INLET	FDOT STANDARD PLAN 425-052
ST-4	86.30'	79.47'	81.75'	-	-	TYPE D INLET	FDOT STANDARD PLAN 425-052
ST-5	84.17'	79.09'	79.34'	-	-	TYPE C INLET	FDOT STANDARD PLAN 425-052
ST-6	84.17'	79.09'	79.09'	-	-	TYPE C INLET	FDOT STANDARD PLAN 425-052
ST-7	84.14'	-	-	78.41'	75.56'	TYPE D INLET	FDOT STANDARD PLAN 425-052
ST-8	79.53'	-	71.26'	75.03'	71.26'	TYPE D INLET	FDOT STANDARD PLAN 425-052
ST-9	75.40'	-	-	-	71.65'	TYPE D INLET	FDOT STANDARD PLAN 425-052
ST-10	79.38'	75.49'	-	-	-	TYPE C INLET	FDOT STANDARD PLAN 425-052
ST-11	86.33'	-	74.00'	-	74.00'	TYPE D INLET	FDOT STANDARD PLAN 425-052
ST-12	85.65'	-	73.15'	-	-	TYPE D INLET	FDOT STANDARD PLAN 425-052
ST-13	85.00'	-	-	-	71.60'	TYPE D INLET	FDOT STANDARD PLAN 425-052
ST-14	83.30'	-	-	-	76.07'	TYPE C INLET	FDOT STANDARD PLAN 425-052
MES-1	71.00'	-	-	-	-	24" MES	FDOT STANDARD PLAN 430-022
MES-2	71.00'	-	-	-	-	18" MES	FDOT STANDARD PLAN 430-022
MES-3	75.00'	-	-	-	-	15" MES	FDOT STANDARD PLAN 430-052
MES-4	81.73'	-	-	-	-	19"x30" MES	FDOT STANDARD PLAN 430-022
MES-5	80.40'	-	-	-	-	19"x30" MES	FDOT STANDARD PLAN 430-022

CONSULTANT

 Infinite Engineering
 240 SW 8TH STREET, SUITE A
 OCALA, FLORIDA 34471
 (352) 281-1480
 WWW.INFINITEENGL.COM
 CERT. OF AUTH. # 33000

PROJECT TITLE
**A MAJOR SITE PLAN FOR
 NEXT DIMENSION
 CONSTRUCTION
 CONSTRUCTION**
 TBD SE HIGHWAY 441
 SUMMERFIELD, FLORIDA 34491

SHEET TITLE
**GRADING AND
 DRAINAGE PLAN**

CLIENT INFORMATION
 NEXT DIMENSION CONSTRUCTION, INC.
 13624 SE HIGHWAY 441
 SUITE 101
 SUMMERFIELD, FLORIDA 34491
 (352) 857-1469

SUBCONSULTANTS

ENGINEER OF RECORD

 BARRY EDWARD GINN, P.E.
 FLORIDA PROFESSIONAL ENGINEER
 FL. NO. 54595

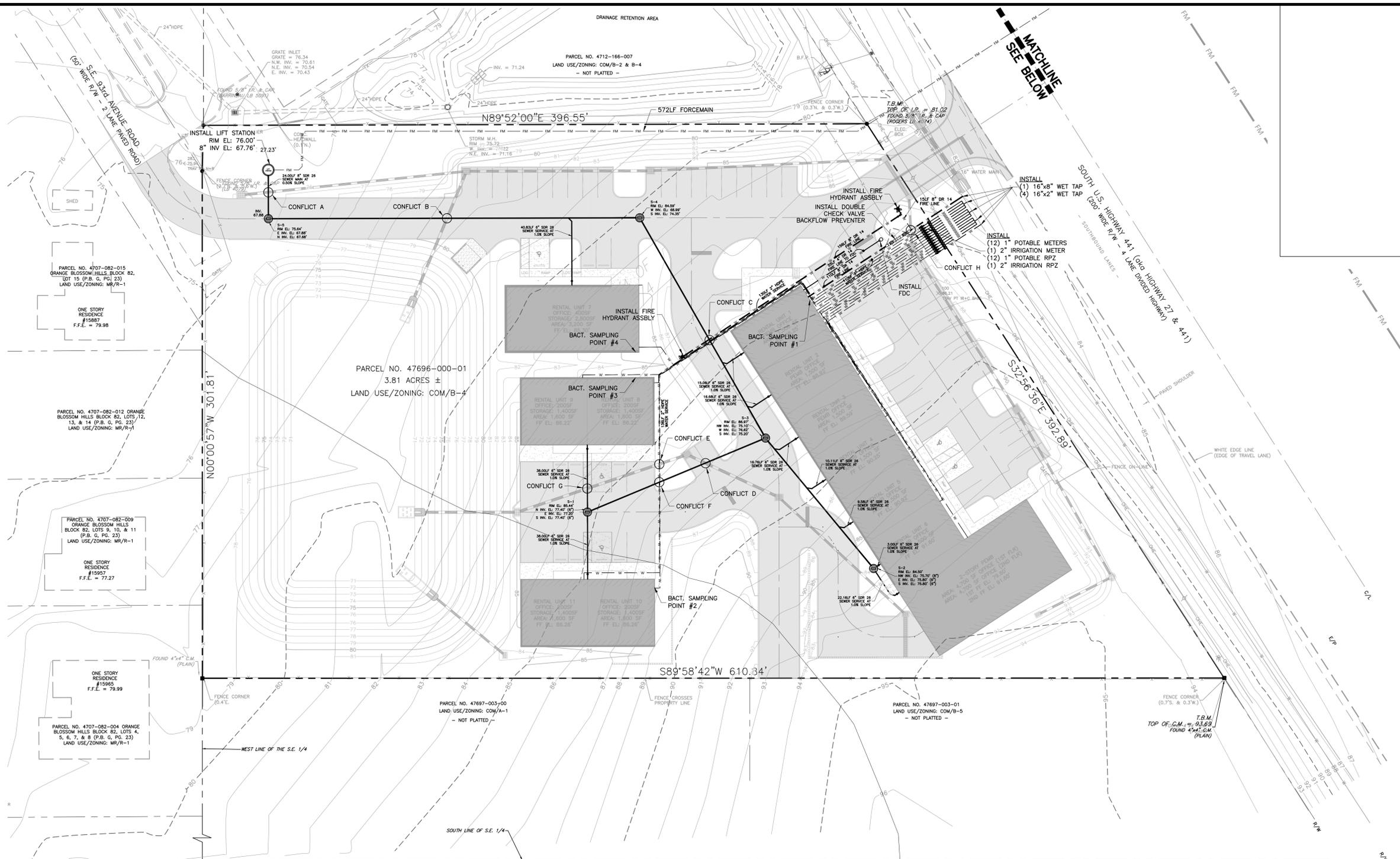
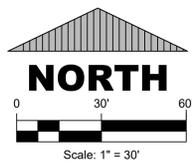
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August 14, 2023

PROJECT NUMBER NUMBER
2023-002

REVISIONS

DATE	DESCRIPTION

SHEET DESIGNATION
C101
 SHEET
5 OF 17

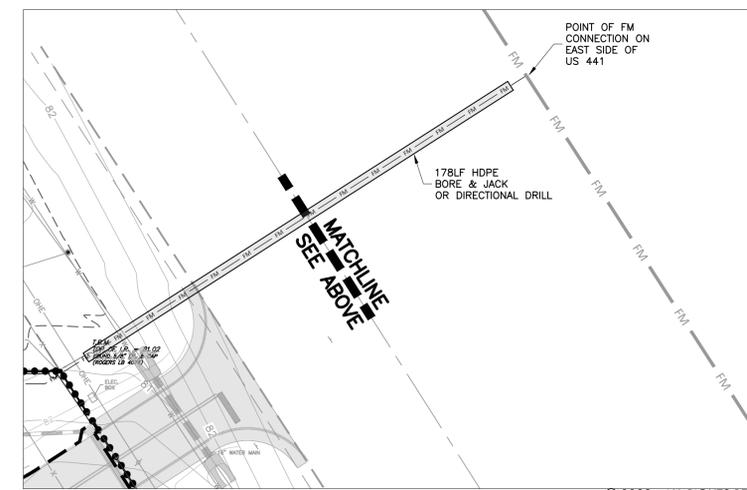


UTILITY LEGEND

- PROPOSED SEWER MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER MAIN
- PROPOSED SEWER MAIN
- PROPOSED FORCE MAIN
- PROPOSED ELECTRIC
- PROPOSED RECLAIMED

PIPE CONFLICTS

CONFLICT A	CONFLICT B	CONFLICT C
STORM PIPE BTM - 70.44'	STORM PIPE BTM - 70.92'	WATER PIPE BTM - 84.05'
SEWER PIPE TOP - 71.44'	SEWER PIPE TOP - 69.11'	SEWER PIPE TOP - 76.75'
PROPOSED SEPARATION - 1.00'	PROPOSED SEPARATION - 1.81'	PROPOSED SEPARATION - 7.30'
CONFLICT D	CONFLICT E	CONFLICT F
STORM PIPE BTM - 79.84'	WATER PIPE BTM - 82.74'	WATER PIPE BTM - 82.74'
SEWER PIPE TOP - 77.49'	STORM PIPE TOP - 74.42'	SEWER PIPE TOP - 77.68'
PROPOSED SEPARATION - 2.35'	PROPOSED SEPARATION - 8.32'	PROPOSED SEPARATION - 5.06'
CONFLICT G	CONFLICT H	
SEWER PIPE BTM - 77.35'	WATER PIPE BTM - 81.19'	
STORM PIPE TOP - 73.74'	STORM PIPE TOP - 80.59'	
PROPOSED SEPARATION - 3.61'	PROPOSED SEPARATION - 0.60'	



CONSULTANT

Infinite Engineering
 240 SW 8TH STREET, SUITE A
 OCALA, FLORIDA 34471
 (352) 281-1489
 WWW.INFINITEENGL.COM
 CERT. OF AUTH. # 33000

PROJECT TITLE
**A MAJOR SITE PLAN FOR
 NEXT DIMENSION
 CONSTRUCTION
 CONSTRUCTION**
 TBD SE HIGHWAY 441
 SUMMERFIELD, FLORIDA 34491

SHEET TITLE
UTILITY PLAN

CLIENT INFORMATION
 NEXT DIMENSION CONSTRUCTION, INC.
 13624 SE HIGHWAY 441
 SUITE 101
 SUMMERFIELD, FLORIDA 34491
 (352) 857-1469

SUBCONSULTANTS

ENGINEER OF RECORD

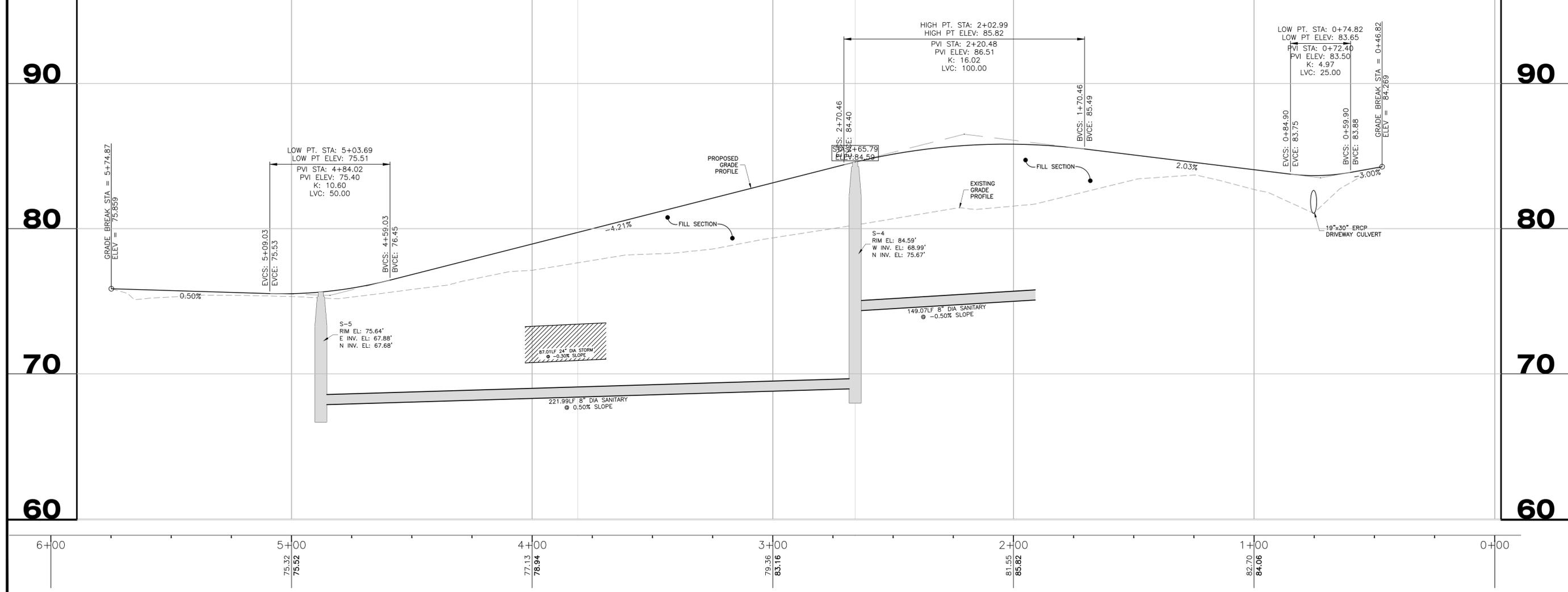
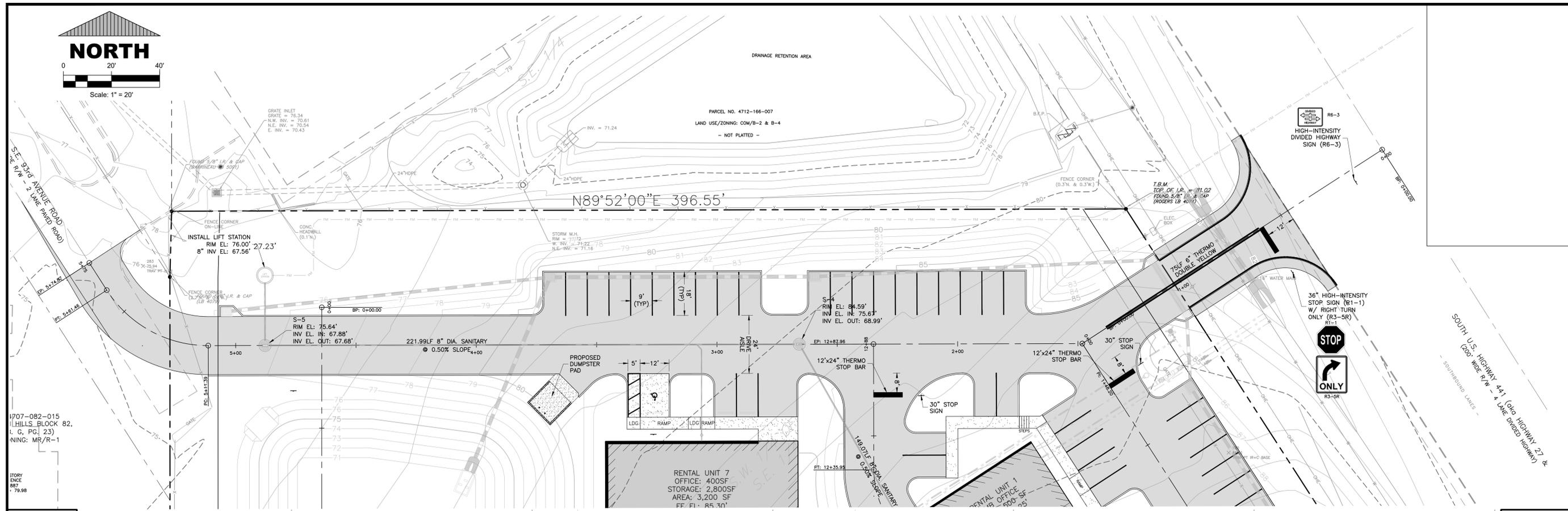
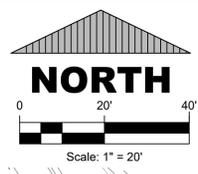
 BARRY EDWARD GINN, P.E.
 FLORIDA PROFESSIONAL ENGINEER
 FL PE NUMBER 54595

ISSUE DATE
August 14, 2023

PROJECT NUMBER NUMBER
2023-002

REVISIONS	
DATE	DESCRIPTION

SHEET DESIGNATION
C102
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CONSULTANT

Infinite Engineering

240 SW 8TH STREET, SUITE A
OCALA, FLORIDA 34471
(352) 287-1489
WWW.INFINITEENGL.COM
CERT. OF AUTH. # 33000

PROJECT TITLE

**A MAJOR SITE PLAN FOR
NEXT DIMENSION
CONSTRUCTION
CONSTRUCTION
TBD SE HIGHWAY 441
SUMMERFIELD, FLORIDA 34491**

SHEET TITLE

**PLAN & PROFILE
DRIVEWAY**

CLIENT INFORMATION

NEXT DIMENSION CONSTRUCTION, INC.
13624 SE HIGHWAY 441
SUITE 101
SUMMERFIELD, FLORIDA 34491
(352) 857-1469

SUBCONSULTANTS

ENGINEER OF RECORD

BARRY EDWARD GINN, P.E.
FLORIDA PROFESSIONAL ENGINEER
FL PE NUMBER 54595

ISSUE DATE

August 14, 2023

PROJECT NUMBER

2023-002

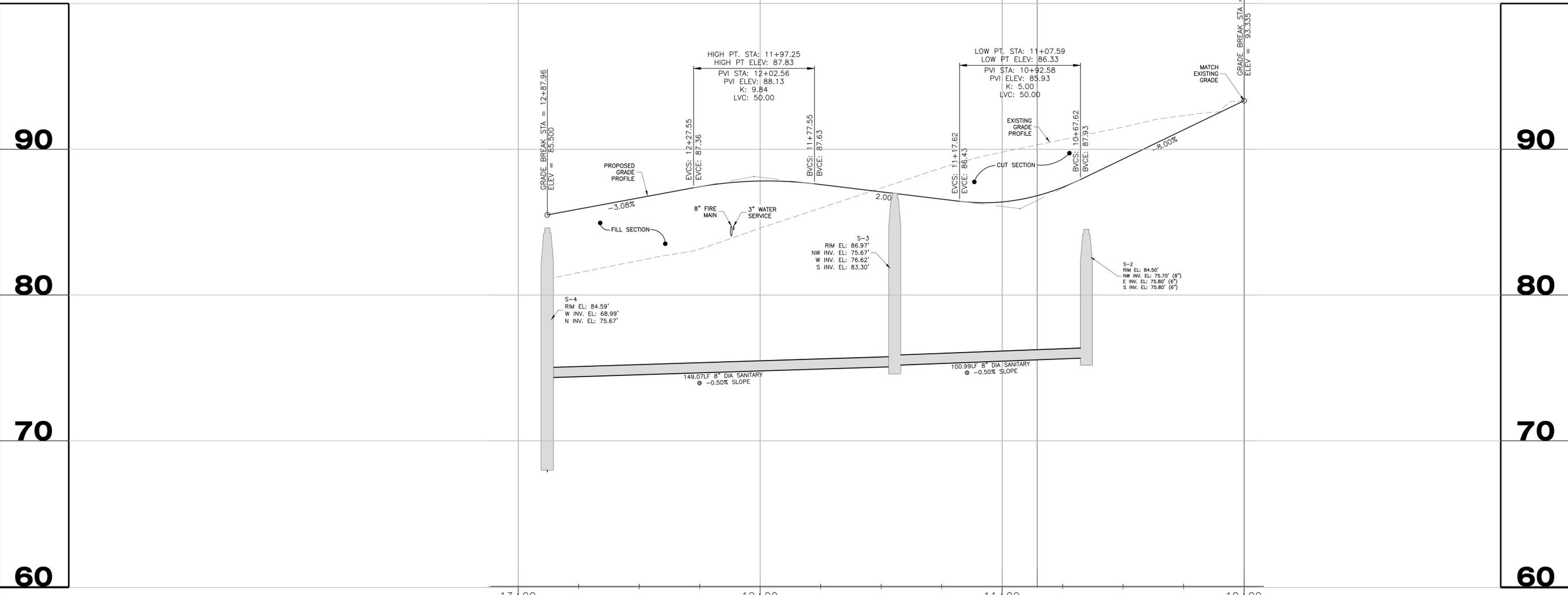
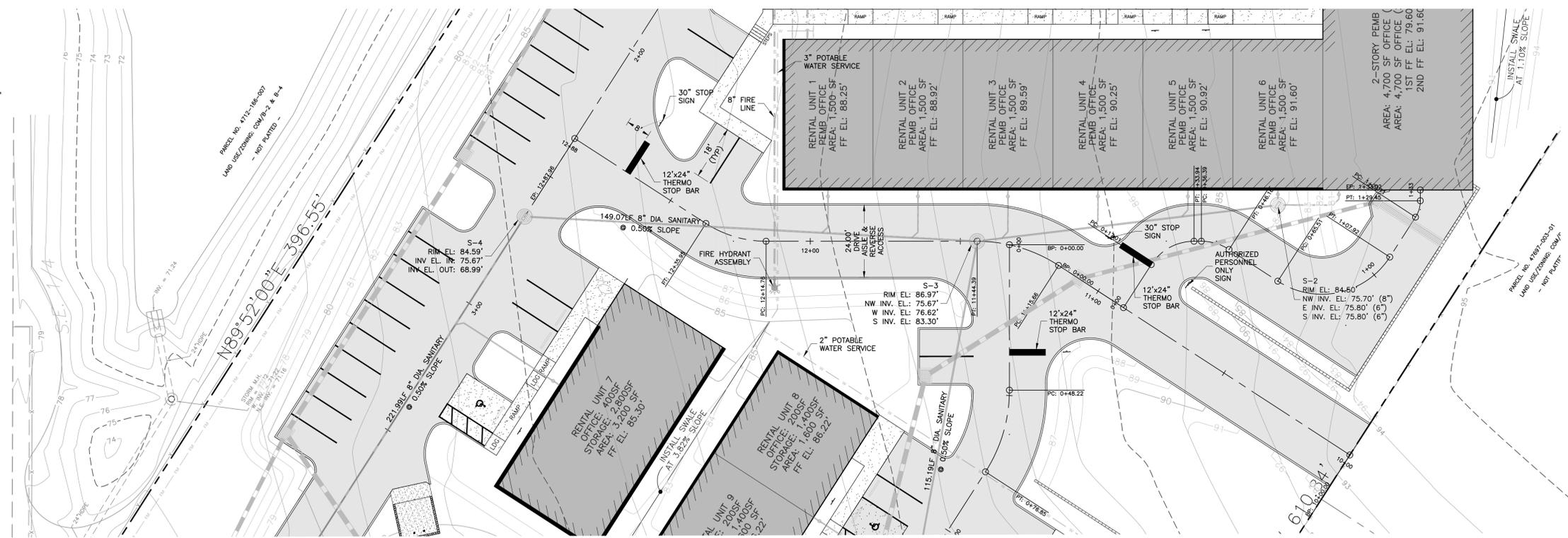
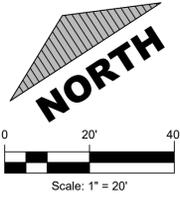
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C200

SHEET

7 OF 17



CONSULTANT

Infinite Engineering

240 SW 8TH STREET, SUITE A
OCALA, FLORIDA 34471
352.257.1480
WWW.INFINITEENGR.COM
CERT. OF AUTH. # 33009

PROJECT TITLE

**A MAJOR SITE PLAN FOR
NEXT DIMENSION
CONSTRUCTION
TBD SE HIGHWAY 441
SUMMERFIELD, FLORIDA 34491**

SHEET TITLE

**PLAN & PROFILE
REVERSE
ACCESS**

CLIENT INFORMATION

NEXT DIMENSION CONSTRUCTION, INC.
13624 SE HIGHWAY 441
SUITE 101
SUMMERFIELD, FLORIDA 34491
(352) 857-1469

SUBCONSULTANTS

ENGINEER OF RECORD

BARRY EDWARD GINN, P.E.
FLORIDA PROFESSIONAL ENGINEER
FL. NO. 54595

ISSUE DATE

August 14, 2023

PROJECT NUMBER NUMBER

2023-002

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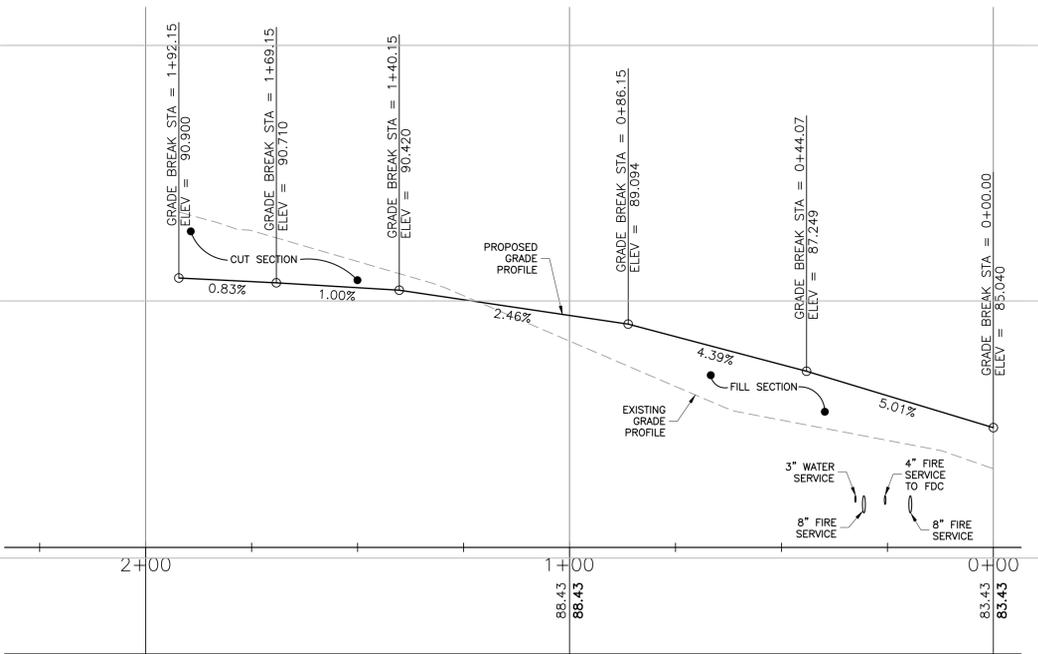
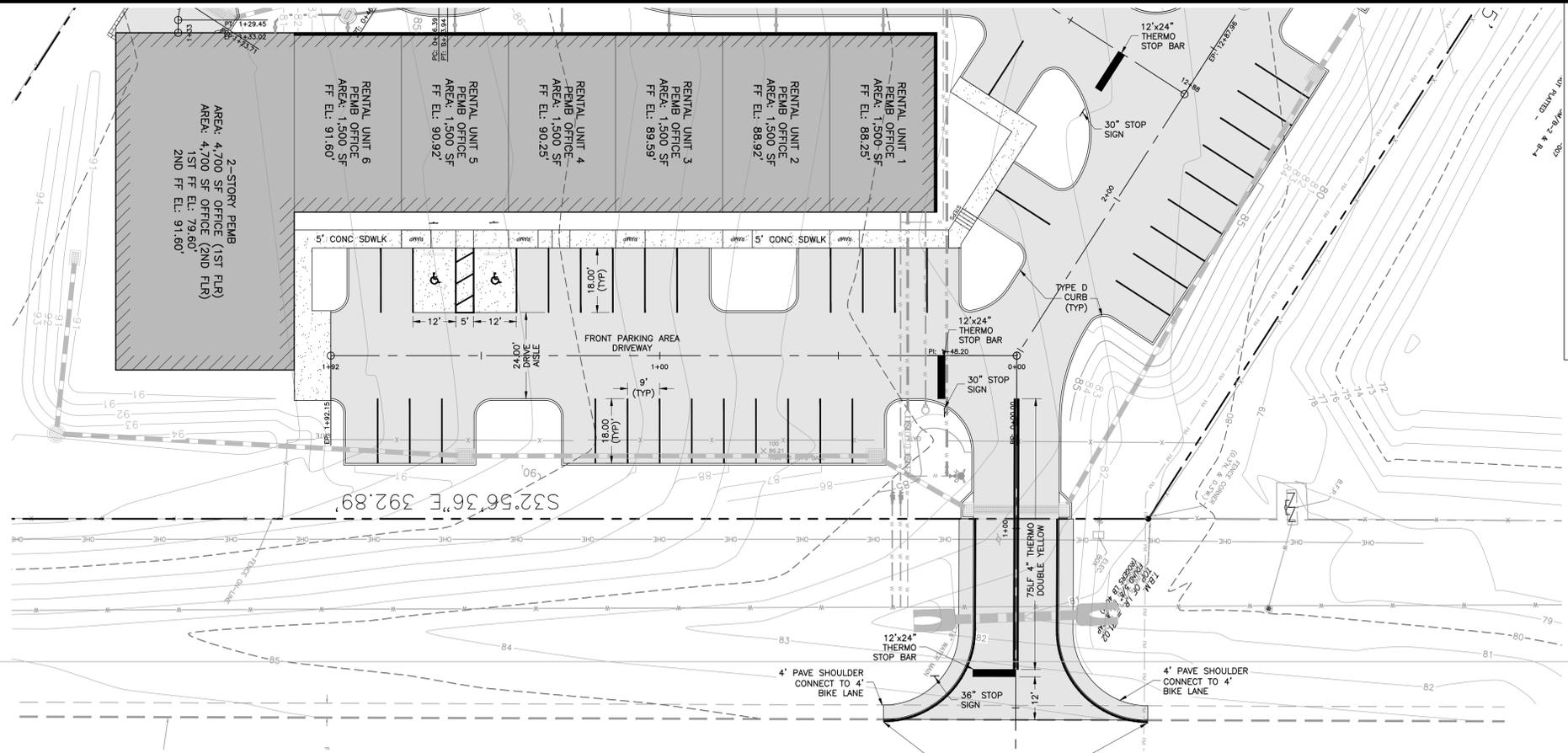
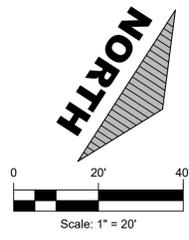
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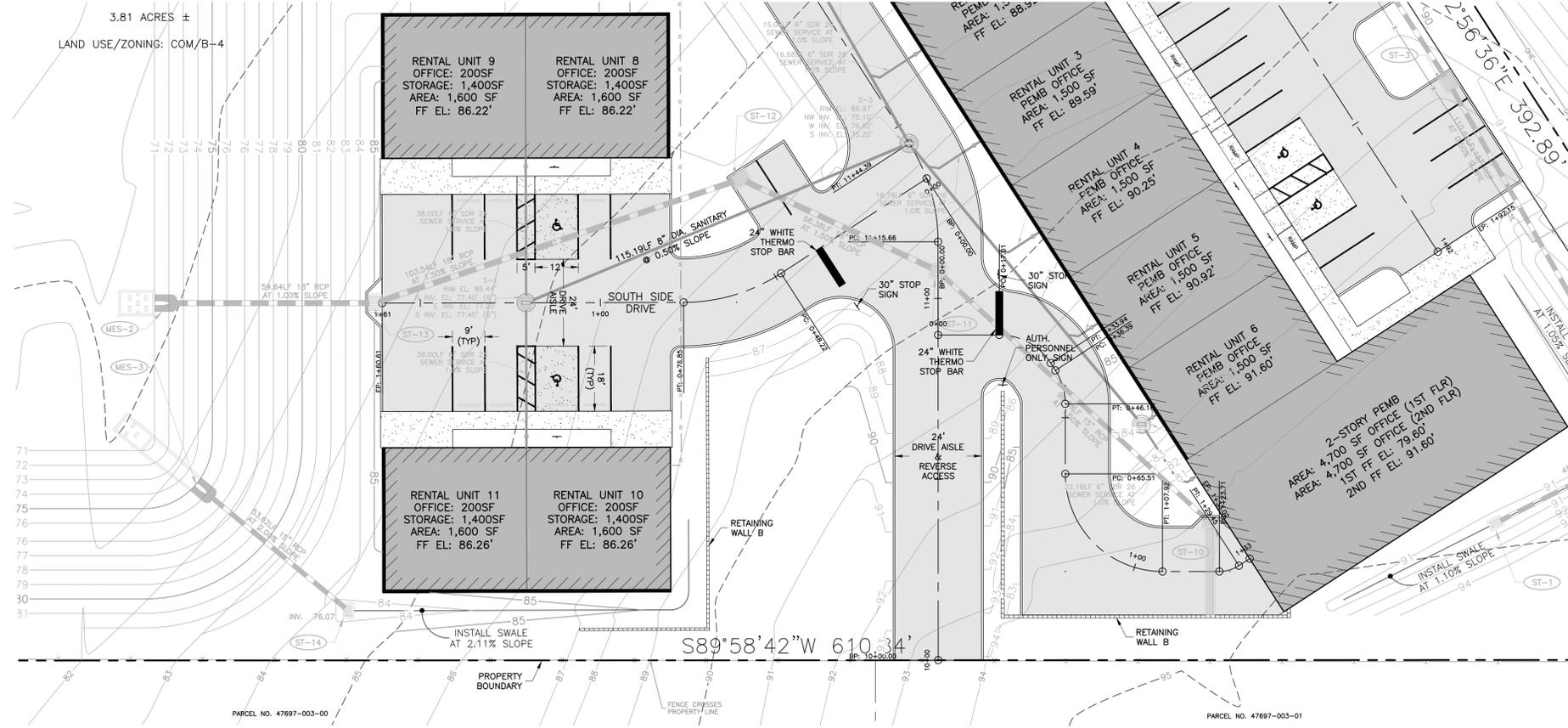
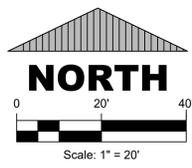
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REVISIONS	
DATE	DESCRIPTION



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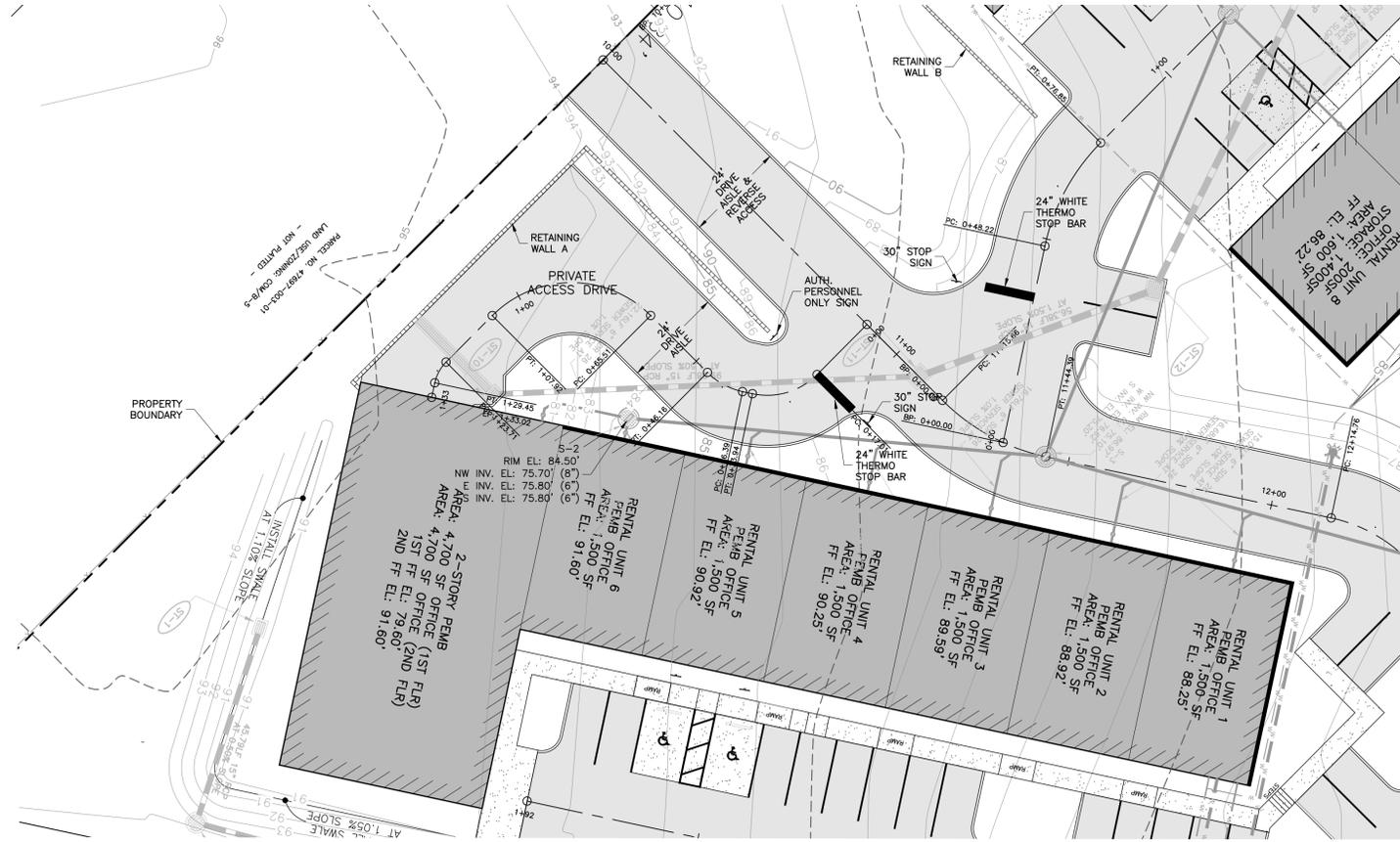
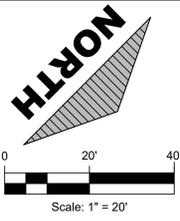
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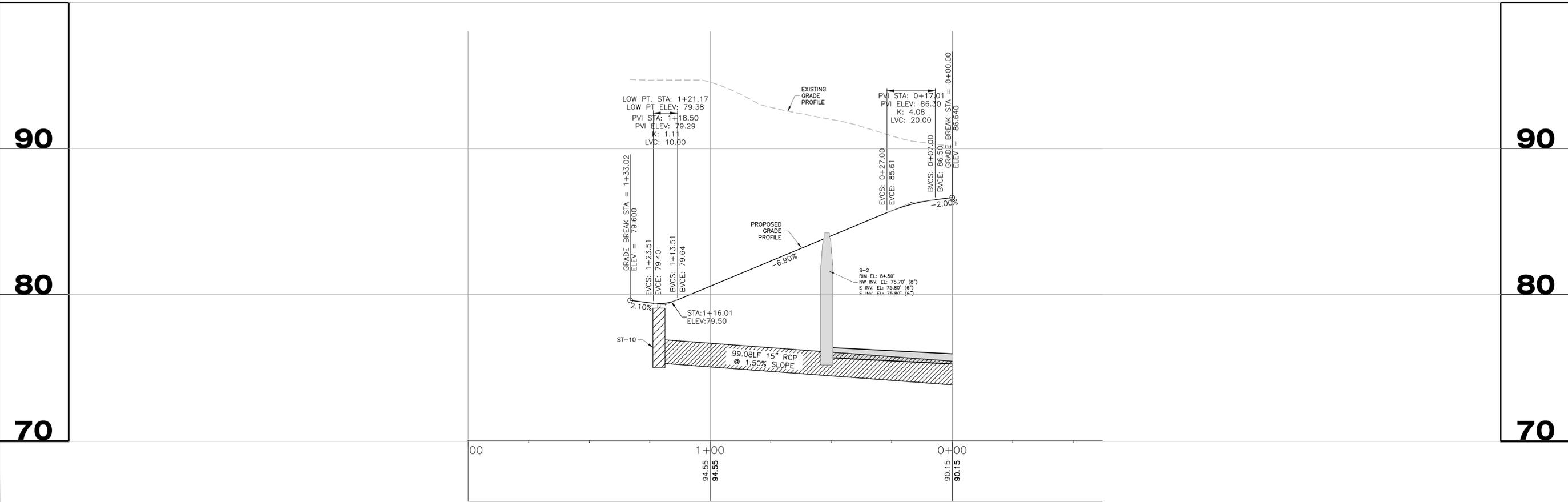
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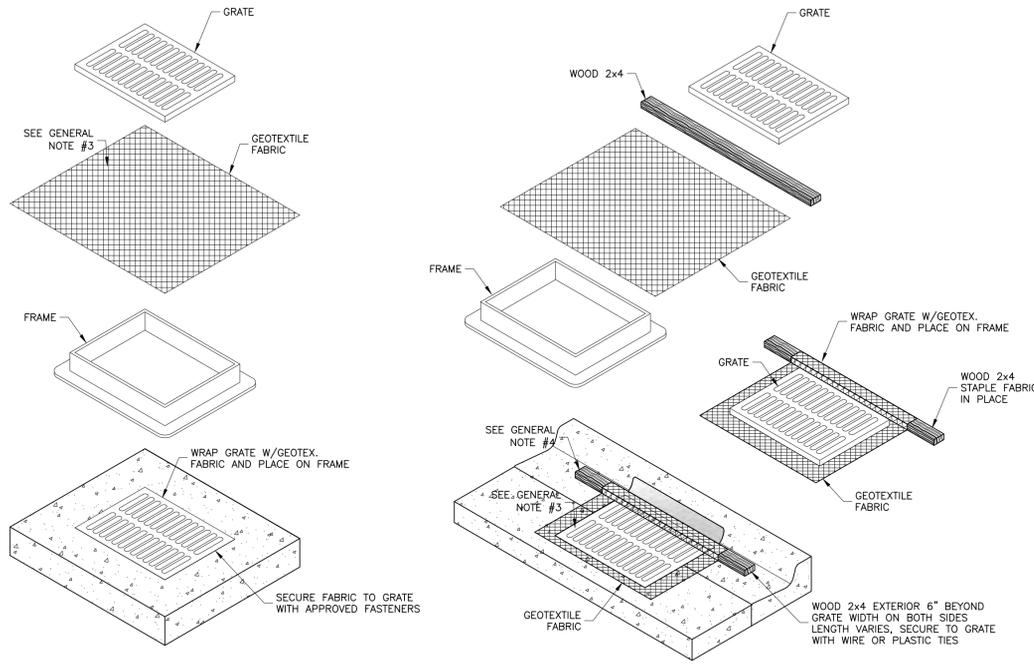
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DATE	DESCRIPTION



REVISIONS	
DATE	DESCRIPTION





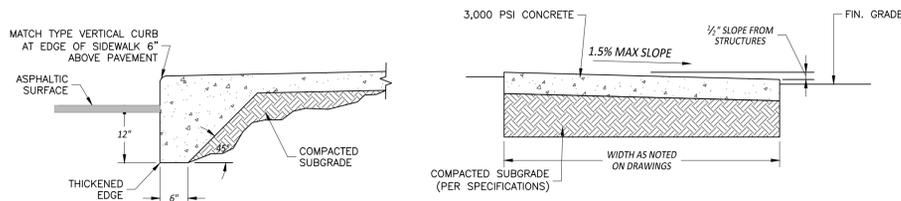
GENERAL NOTES:

1. GEOTEXTILE TO BE MIRAFI FILTERWEAVE 402 OR GEOTEX 111F. ALTERNATIVES INCLUDE APPROVED EQUAL ASTM D4491 OR 100 TO 150 GALLON PER MINUTE PER SQUARE FOOT.
2. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.
3. FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
4. FOR CURB INLET PROTECTION AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
5. TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF GRATE.
6. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS, OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING INLET.

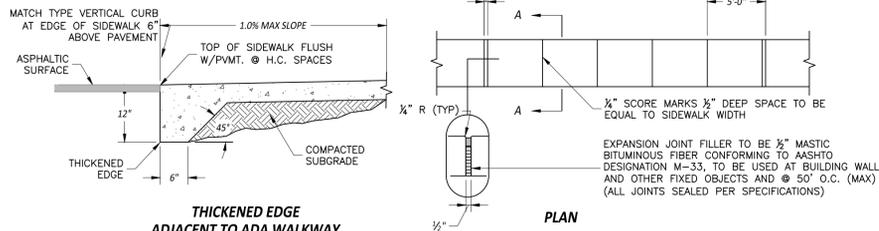
GEOTEXTILE FABRIC INLET PROTECTION

SCALE: NONE

CONCRETE WALKS SHALL BE 4 INCHES THICK HAVING A 3,000 PSI STRENGTH, POURED OVER PROPERLY PREPARED SUBGRADE. ALL CONCRETE SIDEWALKS SHALL BE 8 INCHES THICK ACROSS DRIVEWAYS. 1/2 INCH EXPANSION JOINTS SHALL BE PLACED AT A MAXIMUM OF 50'. CRACK CONTROL JOINTS SHALL BE 5' ON CENTERS.

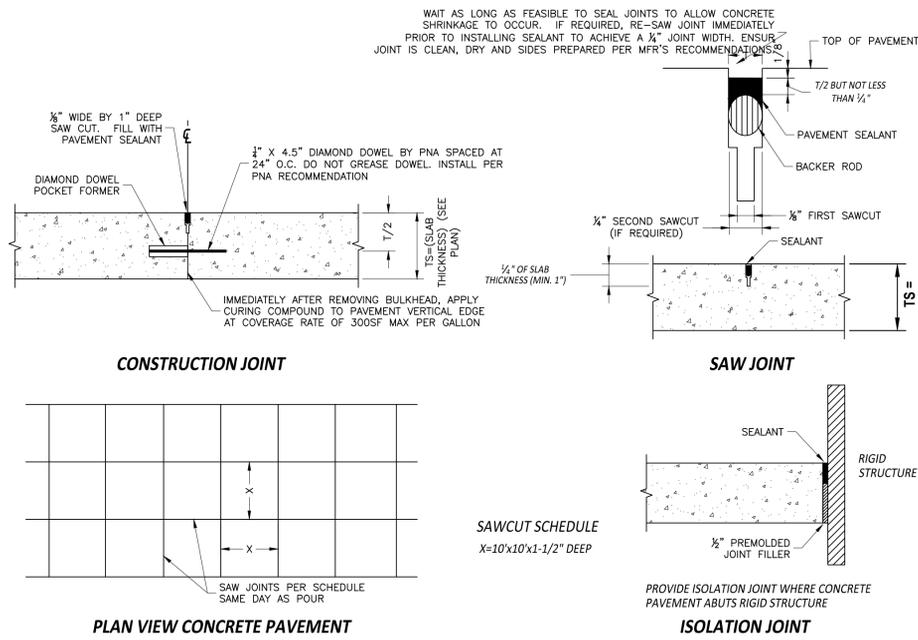


THICKENED EDGE ADJACENT TO PAVEMENT



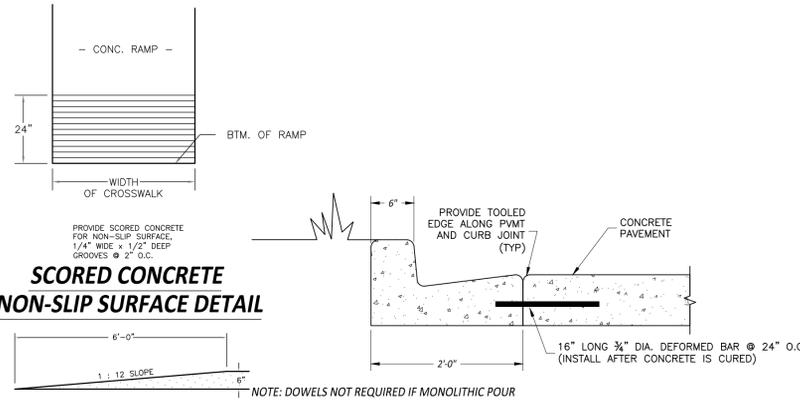
SIDEWALK DETAILS

SCALE: NONE



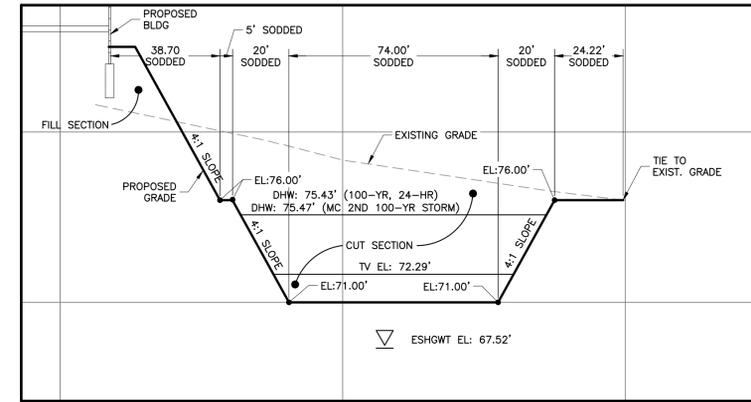
CONCRETE PAVEMENT JOINT DETAILS

SCALE: NONE



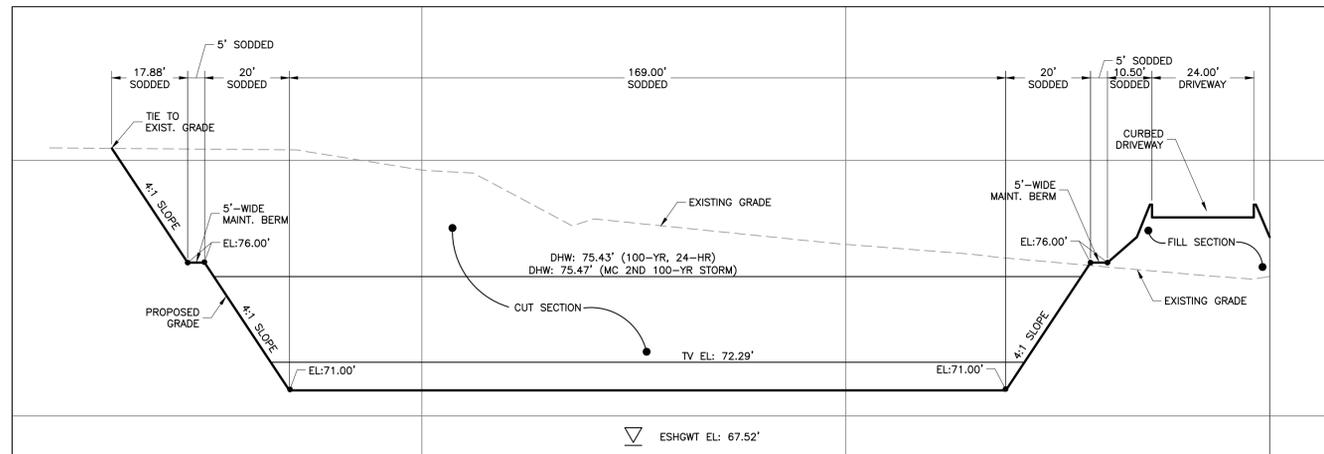
CONCRETE CURB AND GUTTER DOWELED JOINT DETAIL

SCALE: NONE



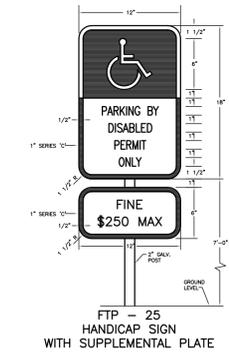
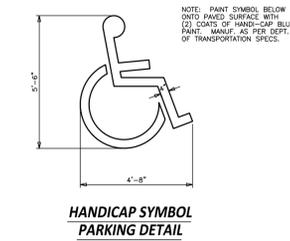
DRA SECTION A

SCALE: 1" = 30'



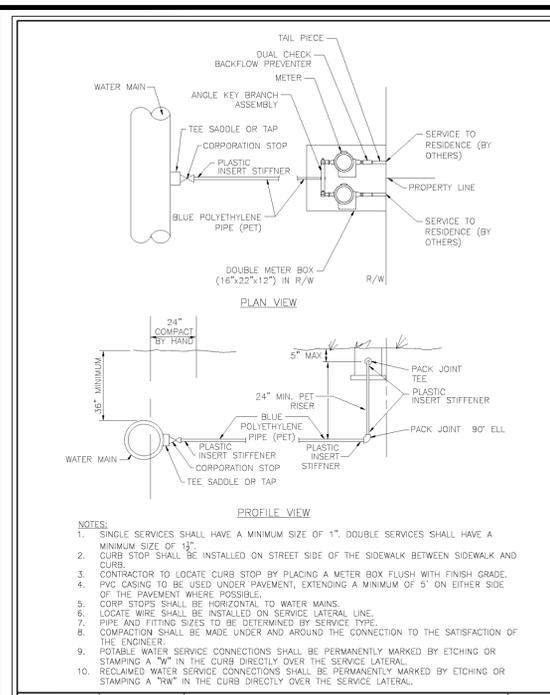
DRA SECTION B

SCALE: 1" = 20'

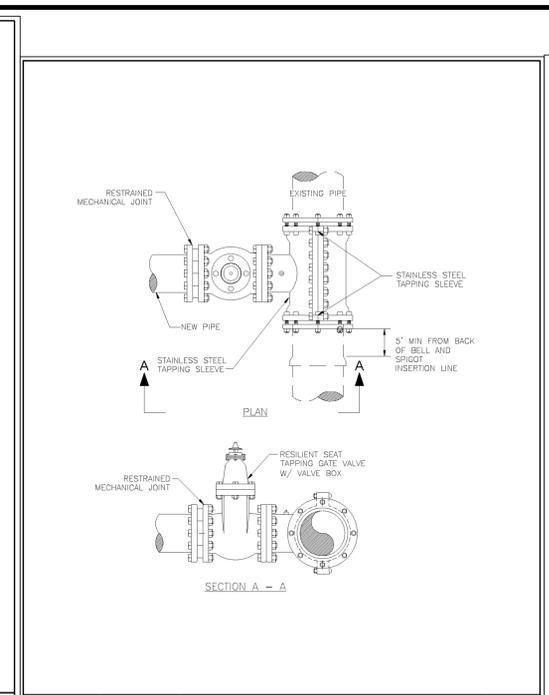


HANDICAP SPACE DETAIL

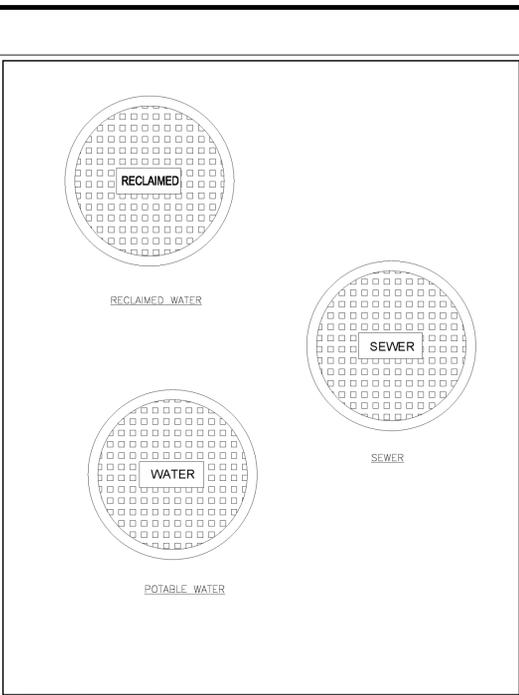
REVISIONS	
DATE	DESCRIPTION



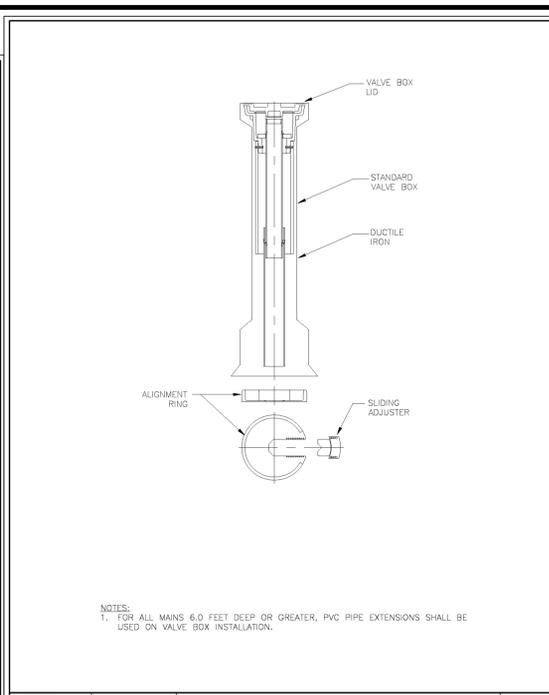
Marion County
 MCBC EFFECTIVE 04/17/2018
 REVISION # 1
WATER AND RECLAIMED WATER SERVICES (TYPICAL)
 7.3.2
 UT 107



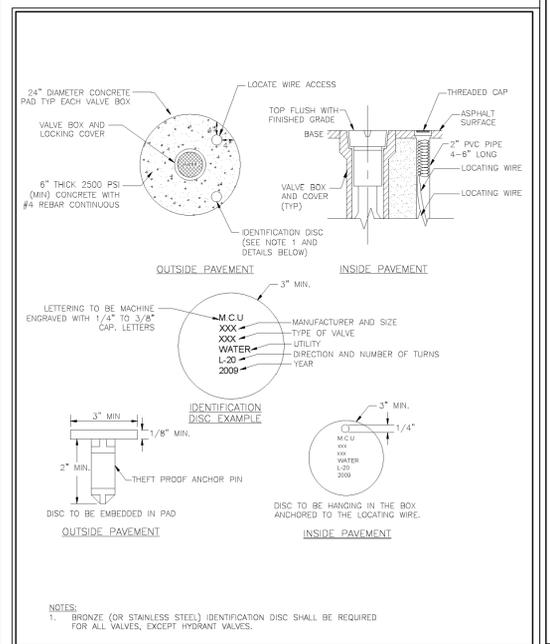
Marion County
 MCBC EFFECTIVE 10/12/2013
 REVISION # NA
MJ TAPPING SLEEVE AND GATE VALVE ASSEMBLY FOR WATER AND RECLAIMED WATER
 7.3.2
 UT 108



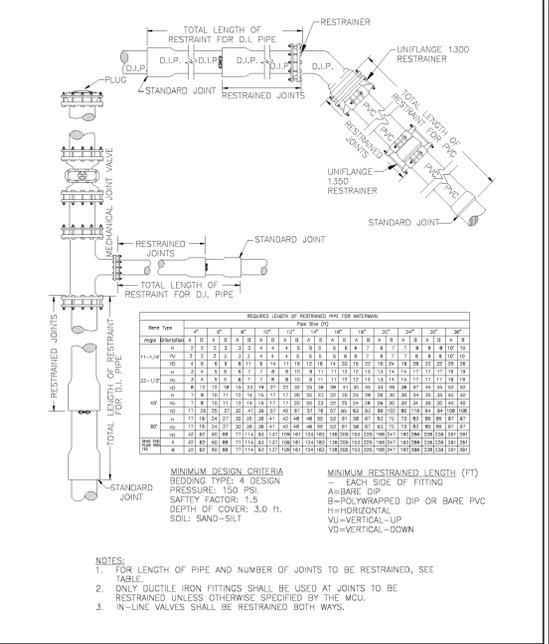
Marion County
 MCBC EFFECTIVE 10/12/2013
 REVISION # NA
TYPICAL VALVE BOX COVER
 7.3.2
 UT 110



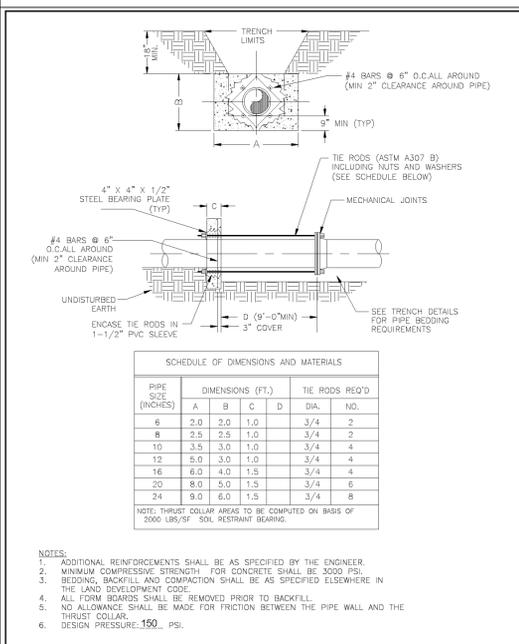
Marion County
 MCBC EFFECTIVE 04/17/2018
 REVISION # 1
SEALED VALVE BOX, ADJUSTABLE
 7.3.2
 UT 111



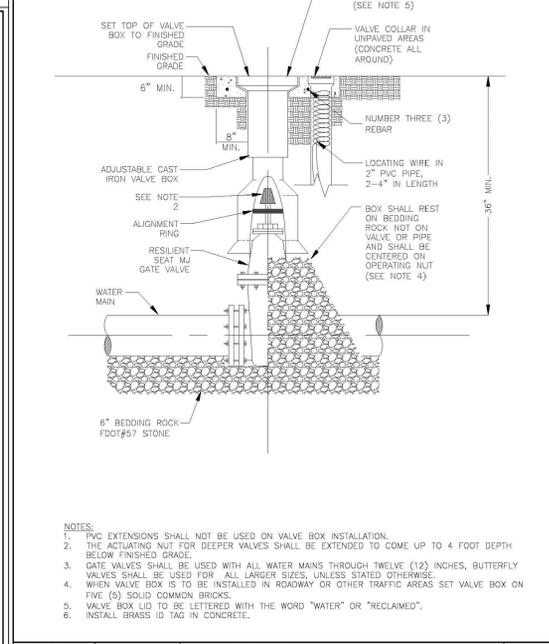
Marion County
 MCBC EFFECTIVE 10/12/2013
 REVISION # NA
VALVE BOX PAD
 7.3.2
 UT 112



Marion County
 MCBC EFFECTIVE 04/17/2018
 REVISION # 1
RESTRAINED PIPE TABLE WATER AND RECLAIMED MAINS
 7.3.2
 UT 200



Marion County
 MCBC EFFECTIVE 10/12/2013
 REVISION # NA
THRUST COLLAR WATER MAINS
 7.3.2
 UT 201



Marion County
 MCBC EFFECTIVE 04/17/2018
 REVISION # 1
GATE VALVE WATER AND RECLAIMED MAINS
 7.3.2
 UT 204

APPROVAL STAMP AREA

CONSULTANT
Infinite Engineering
 240 SW 8TH STREET, SUITE A
 OCALA, FLORIDA 34471
 (352) 281-1489
 WWW.INFINITEENGL.COM
 CERT. OF AUTH. # 33000

PROJECT TITLE
A MAJOR SITE PLAN FOR NEXT DIMENSION CONSTRUCTION CONSTRUCTION TBD SE HIGHWAY 441 SUMMERFIELD, FLORIDA 34491

SHEET TITLE
DETAILS

CLIENT INFORMATION
**NEXT DIMENSION CONSTRUCTION, INC.
 13624 SE HIGHWAY 441
 SUITE 101
 SUMMERFIELD, FLORIDA 34491
 (352) 857-1469**

SUBCONSULTANTS

ENGINEER OF RECORD
BARRY EDWARD GINN
 LICENSE
 No. 54595
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 BARRY EDWARD GINN, P.E.
 FLORIDA PROFESSIONAL ENGINEER
 FL PE NUMBER 54595

ISSUE DATE
August 14, 2023

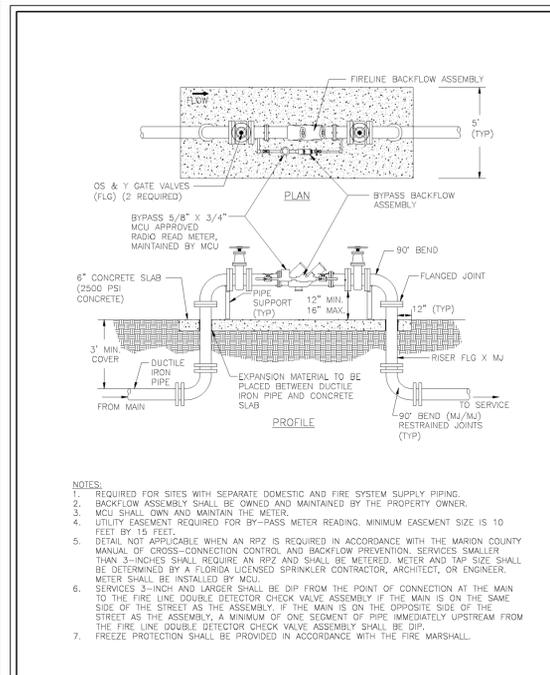
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2023-002

REVISIONS

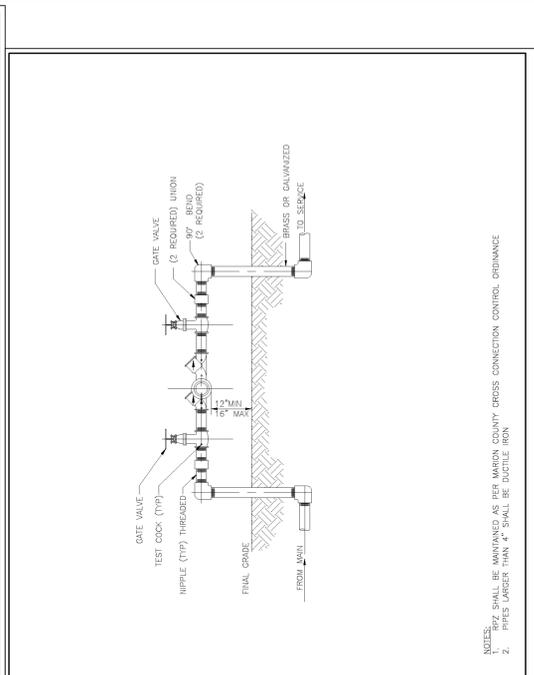
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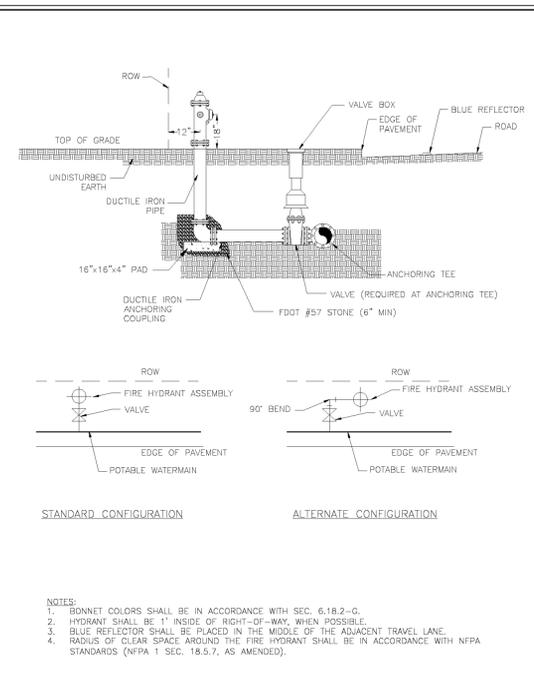
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14 OF 17



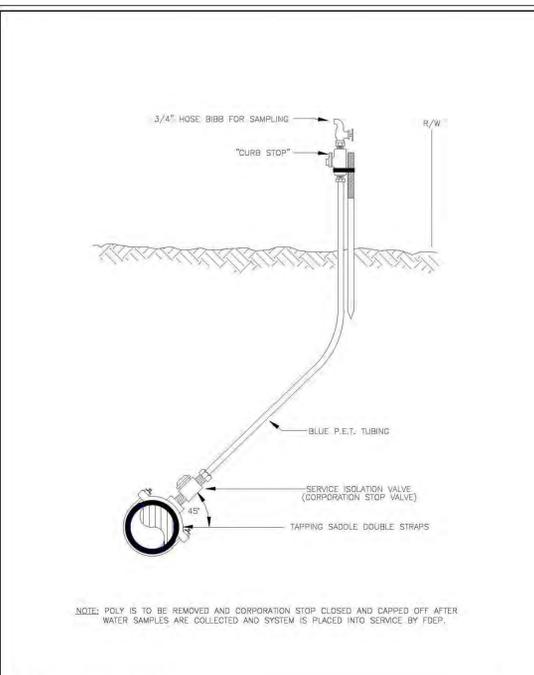
Marion County
 MCBC EFFECTIVE 04/17/2018
FIRE LINE DOUBLE DETECTOR CHECK VALVE ASSEMBLY
 REVISION # 1
 7.3.2
 UT 208



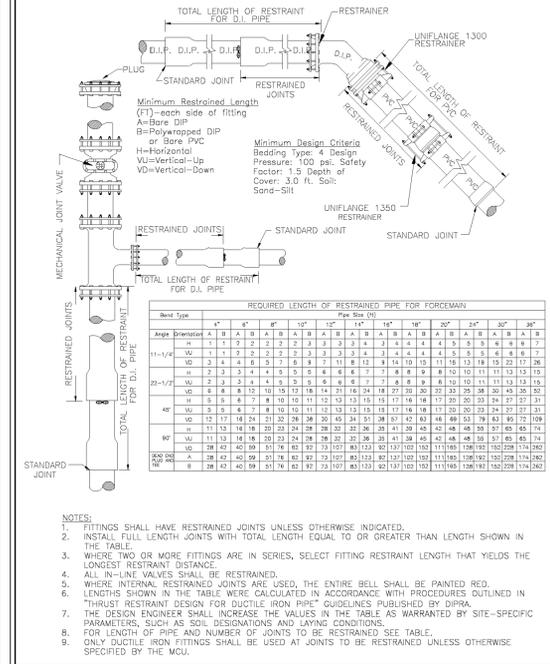
Marion County
 MCBC EFFECTIVE 10/12/2013
REDUCED PRESSURE BACKFLOW PREVENTER
 REVISION # NA
 7.3.2
 UT 209



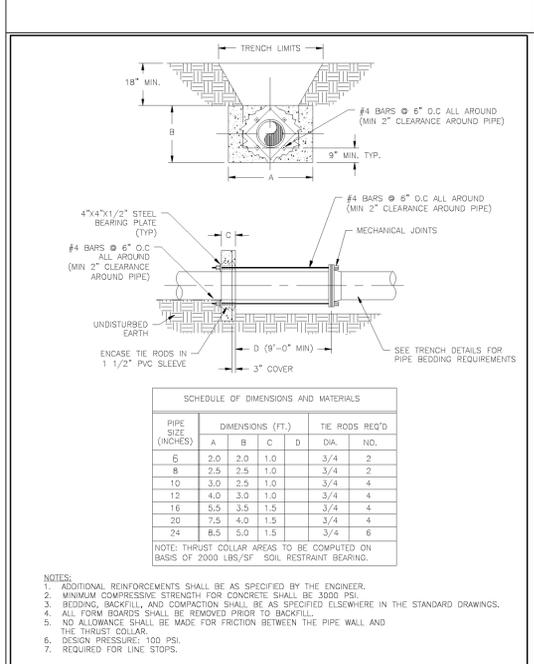
Marion County
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FIRE HYDRANT ASSEMBLY
 REVISION # 1
 7.3.2
 UT 210



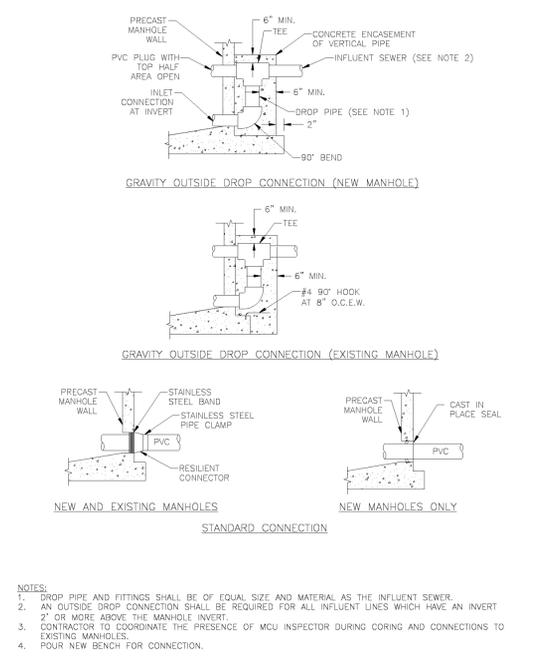
Marion County
 MCBC EFFECTIVE 04/17/2018
TEMPORARY SAMPLE POINT
 REVISION # NA
 7.3.2
 UT 211



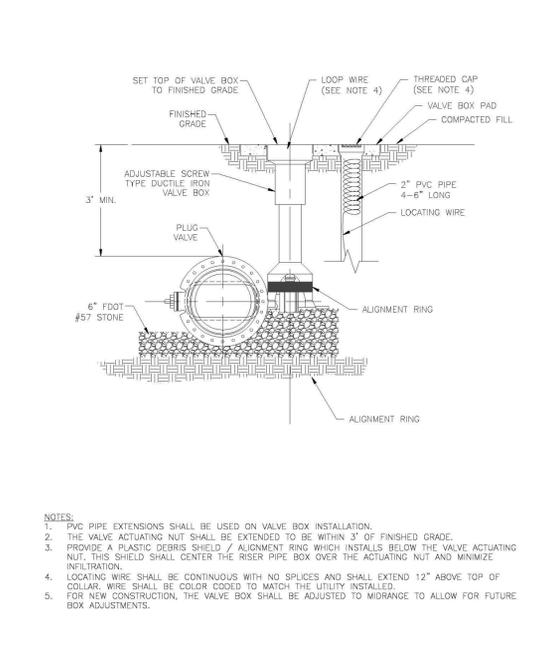
Marion County
 MCBC EFFECTIVE 04/17/2018
RESTRAINED PIPE TABLE WASTEWATER FORCE MAINS
 REVISION # 1
 7.3.2
 UT 300



Marion County
 MCBC EFFECTIVE 10/12/2013
THRUST COLLAR WASTEWATER FORCE MAINS
 REVISION # NA
 7.3.2
 UT 301



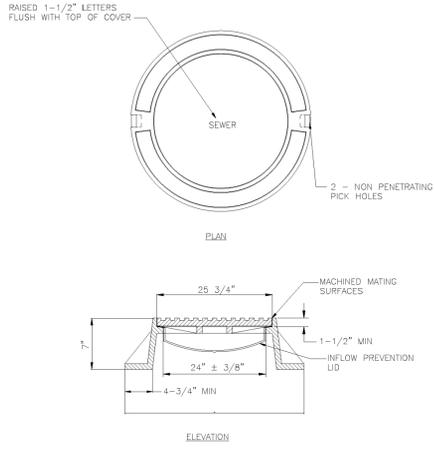
Marion County
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GRAVITY MANHOLE CONNECTION
 REVISION # 1
 7.3.2
 UT 303



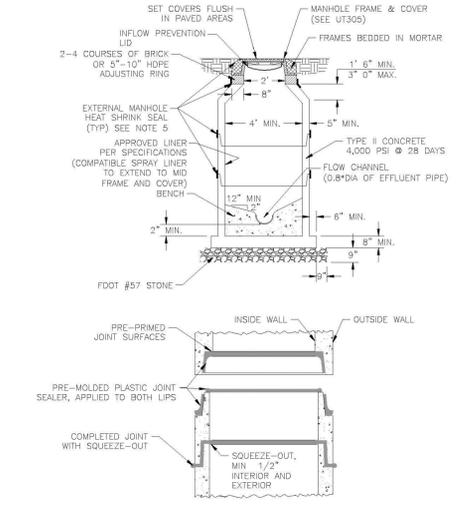
Marion County
 MCBC EFFECTIVE 04/17/2018
PLUG VALVE AND BOX
 REVISION # 1
 7.3.2
 UT 304

REVISIONS

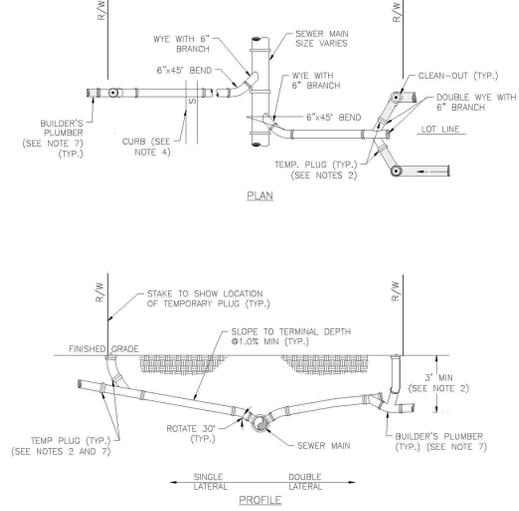
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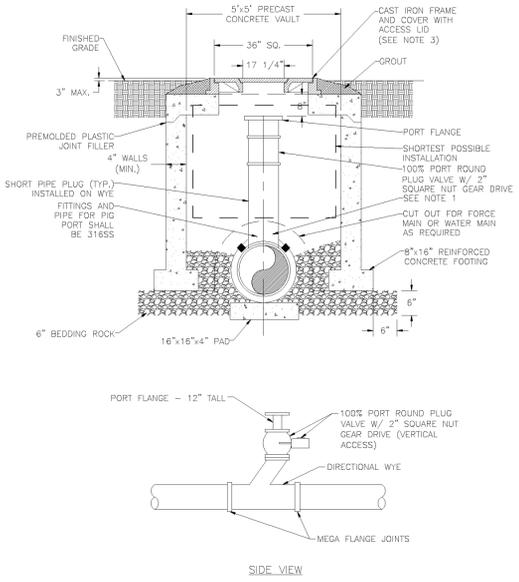
Marion County
 MCBC EFFECTIVE 04/17/2018
 STANDARD SEWER MANHOLE FRAME AND COVER
 REVISION # 1
 7.3.2
 UT 305



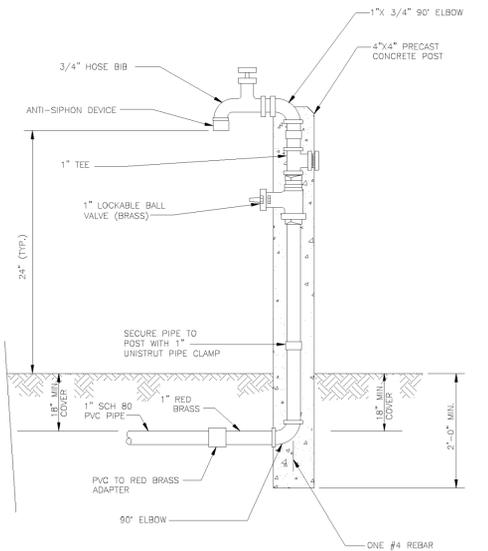
Marion County
 MCBC EFFECTIVE 04/17/2018
 PRECAST CONCRETE MANHOLE
 REVISION # 1
 7.3.2
 UT 306



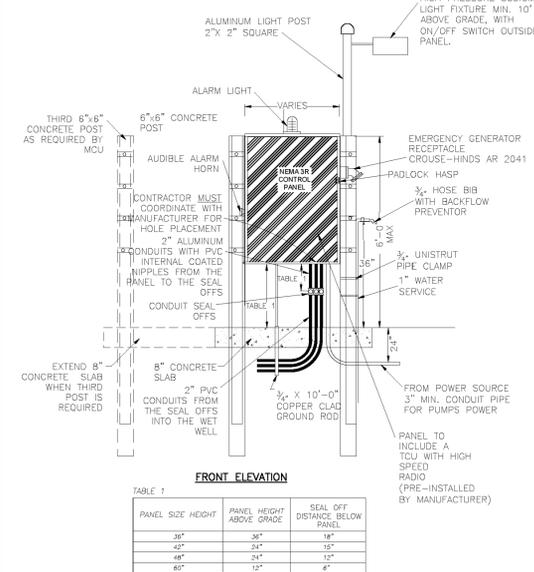
Marion County
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 SEWER SERVICE LATERAL
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 UT 312



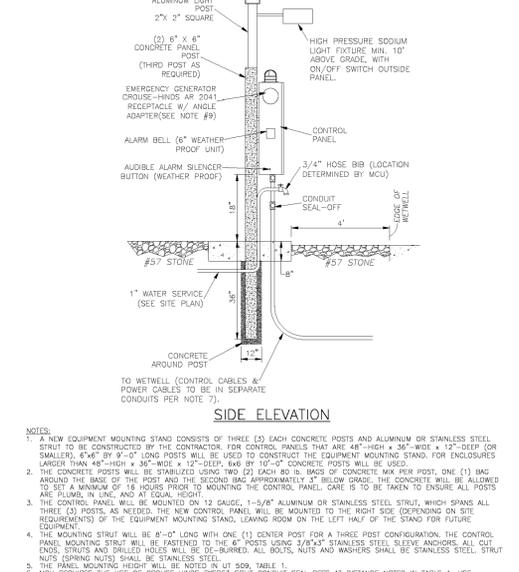
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 PIG PORT
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 7.3.2
 UT 313



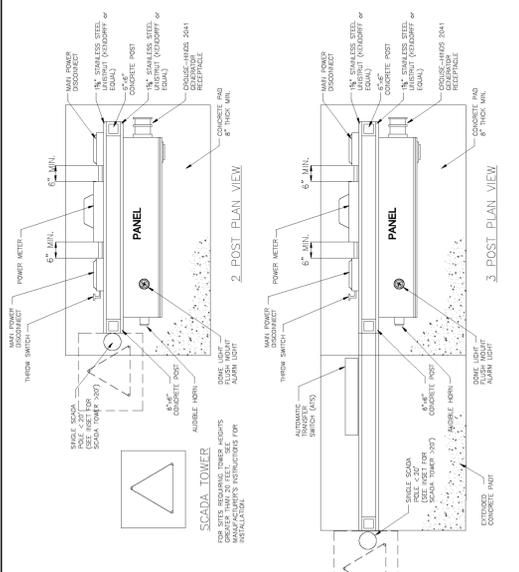
Marion County
 MCBC EFFECTIVE 04/17/2018
 HOSE BIBB ASSEMBLY
 REVISION # NA
 7.3.2
 UT 508



Marion County
 MCBC EFFECTIVE 04/17/2018
 SERVICE PEDESTAL 1 OF 3
 REVISION # NA
 7.3.2
 UT 509



Marion County
 MCBC EFFECTIVE 04/17/2018
 SERVICE PEDESTAL 2 OF 3
 REVISION # NA
 7.3.2
 UT 510



Marion County
 MCBC EFFECTIVE 04/17/2018
 SERVICE PEDESTAL - PANEL RACK 3 OF 3
 REVISION # NA
 7.3.2
 UT 511

REVISIONS

DATE	DESCRIPTION

NOTE: COMPLETE SYSTEM TO BE SUPPLIED BY:

RILEY & COMPANY, INC.
SANFORD, FL 32773
(407)265-9963

NO SUBSTITUTIONS - NO ALTERNATES
LIFT STATION WILL BE PRIVATELY OWNED AND MAINTAINED.

The H-20 Load Rated Fiberglass Wetwell Must Be Manufactured By L.F. Manufacturing, Gladings, Texas, Which Includes a 20 Yr. Warranty. Certification of the wetwell H-20 load rating must be supplied with submittals. H-20 certification must be signed and sealed by an engineer registered in the State of Florida.

After the H-20 load rated wetwell has been installed, the ASTM Certification Number and Serial Tracking Number must be visible inside wetwell.

PUMPS: (3 YR. WARRANTY)

Submersible grinder pumps shall be HOMA Model RC40168. The pumps shall be installed in the H-20 GP FRP wetwell utilizing a slide rail system. The grinder unit shall be capable of macerating materials normally found in domestic and commercial sewage into a fine slurry which will pass through the pump and the HDPE discharge piping.

Stator winding shall be open type with Class H insulation and shall be heat-shrink fitted into the stator housing. The use of pins, bolts, or other fastening devices is not acceptable.

A heat sensor thermostat shall be attached to the top end of the motor winding and shall be connected in series with the magnetic contactor coil in the control panel to stop motor if winding temperature exceeds 140 C., but shall automatically reset when the winding temperature returns to normal.

Two heat sensor thermostats shall be used on three phase motors. The pump motor grinder shaft shall be AISI 430F SS threaded to take the pump impeller and the grinder impeller.

Upper & lower mechanical seals shall be Silicon Carbide vs Silicon Carbide.

DUPLEX CONTROL PANEL: (3 YR. WARRANTY)

To insure complete unit and warranty responsibility the electrical control panel must be manufactured and built by the pump supplier. The pump supplier must be a TUV (UL508A CERTIFIED) manufacturing facility, with a minimum of 10 years history in the manufacturing of electrical control panels.

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

The enclosure shall have external mounting feet to allow for wall mounting. The following components shall be mounted through the enclosure:

- 1- ea. Red Alarm Beacon (Light) 4" x 4" Minimum Diameter
- 1- ea. Alarm Horn (minimum 95 DCB)
- 1- ea. Generator Receptacle w/ weatherproof cover (SCM460 -UL 1686)
- 1- ea. Alarm Silence Pushbutton

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

The following components shall be mounted to back panel:

- 2- ea. Motor Contactors
- 1- ea. Phase Monitor (3 Ph) w/2 N/O & 1 N/C Contacts
- 1- ea. Control Transformer (480 Volt Only) (Min. 500VA)
- 1- ea. Lightning Arrestor
- 1- ea. Silence Relay Module
- 1- ea. Duplex Alternator w/ Pump Selector Switch
- 1- ea. Model RCBB5AH Battery Back-Up w/ Smart Charger For The High Level Alarm System
- 20- ea. Terminals For Field Connections
- 6- ea. Terminals For Motor Connections (Single Phase Only)
- 7- ea. Grounding Lugs
- 1- ea. Seal Failure Relay

The inner door shall be fabricated from .080, 5052-H32 marine alloy aluminum. The inner door shall have a continuous aluminum piano hinge.

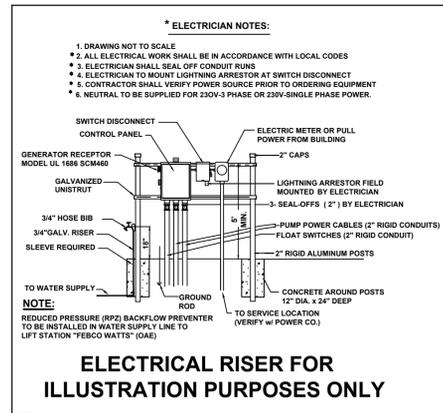
The following components shall be mounted through the inner door:

- 1- ea. Main Circuit Breaker
- 1- ea. Emergency Circuit Breaker
- 1- ea. Mechanical Interlock For Emergency And Main Breakers (UL Listed)
- 2- ea. Short Circuit Protectors w/ Auxiliary Contacts
- 1- ea. Control Circuit Breaker
- 2- ea. Seal Failure Indicator Lights
- 1- ea. Hand-Off-Auto Selector Switches
- 2- ea. Pump Run Pilot Lights
- 1- ea. Power On Pilot Light
- 2- ea. Elapse Time Meters (Non-Resettable)
- 1- ea. GFI Duplex Convenience Outlet

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

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

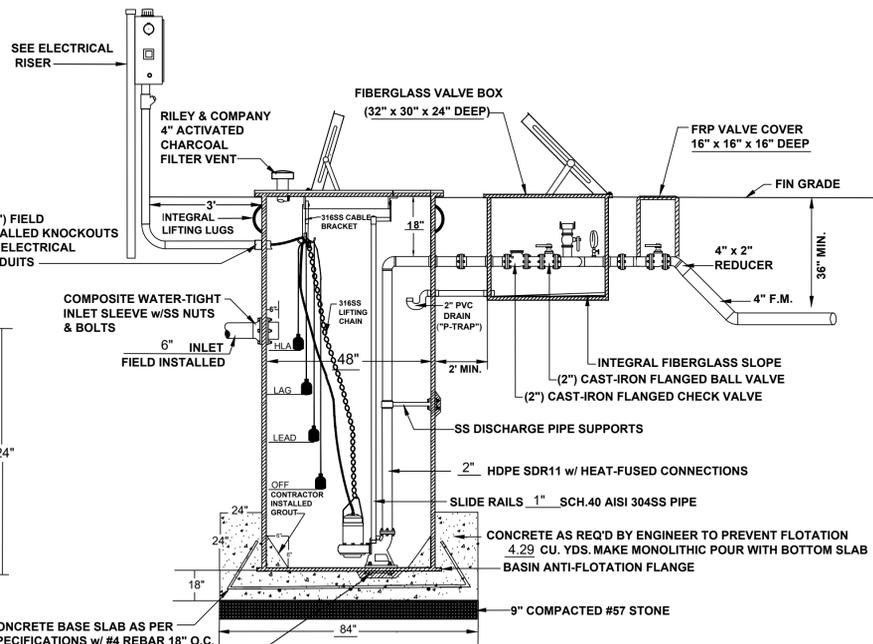
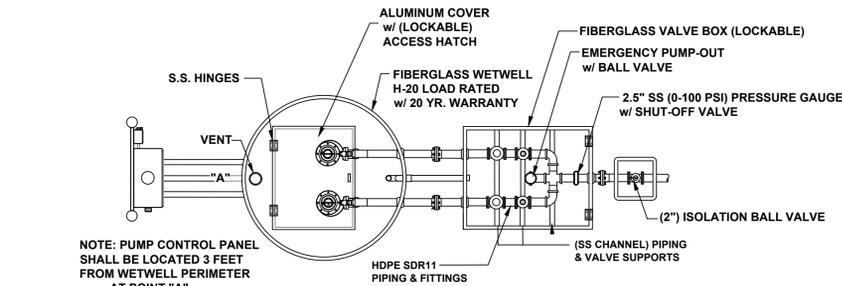
PUMP DATA		ELEVATIONS	
PRIMARY PUMP CAPACITY	83 GPM	TOP OF WETWELL	76.00
PRIMARY TDH	113 'TDH	INLET INVERT	67.56
PUMP MANUFACTURER	HOMA	HIGH LEVEL ALARM (HLA)	67.06
PUMP MODEL #	RC40168	2nd PUMP ON (LAG)	66.56
R.P.M.	3450	1st PUMP ON (LEAD)	66.06
HORSEPOWER	6.80	PUMPS OFF (OFF)	65.31
IMPELLER DIAMETER	6.8504"	BOTTOM OF WETWELL	63.00
ELECTRICAL/ VOLTS / PHASE	230V/3	WETWELL DIAMETER	48"
FULL LOAD AMPS/ PER PUMP	17.00		
PUMP DISCHARGE SIZE	2"		



NOTES:

1. Water service with hose bibb and reduced pressure backflow preventer to be installed near lift station. (See Electrical Riser Illustration)
2. System shall be operated and maintained to provide uninterrupted service as required by DEP Chapter 62-604.500.
3. Approved Operation & Maintenance Manual (O&M) shall be kept available for operation and maintenance personnel
4. A weather resistant emergency contact sign shall be installed at the lift station and made visible to the public (Lettering shall be min. 2" in height).
5. 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 for the complete system.

07-21-2023



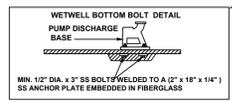
PRIVATE SANITARY SEWER PUMP STATION

IN CASE OF EMERGENCY CONTACT THE FOLLOWING NUMBERS:

FACILITY OWNED BY: _____
 NAME: _____
 PHONE NUMBER: _____

FACILITY MAINTAINED BY: _____
 NAME: _____
 PHONE NUMBER: _____
 STATION NUMBER: _____

NOTE: CONTRACTOR MUST SUPPLY INFORMATION SIGN AT START-UP.



NOTE: ORANGE COUNTY REQUIREMENT
 OWNER MUST HAVE A 1 YR. LIFT STATION PREVENTIVE MAINTENANCE CONTRACT WITH A QUALIFIED LIFT STATION MAINTENANCE AND REPAIR COMPANY AT OR BEFORE START-UP OF THE LIFT STATION.

NOTE: ELECTRICAL INFORMATION IS SHOWN FOR REFERENCE ONLY AND IS NOT INCLUDED AS PART OF THE ENGINEERING DESIGN OR CERTIFICATION BY THE PROFESSIONAL ENGINEER. ANY ELECTRICAL DESIGN NEEDED FOR THE LIFT STATION SHALL BE CONFIRMED AND CERTIFIED BY A PROFESSIONAL ELECTRICAL ENGINEER.

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

REVISIONS	BY

RILEY & Company, Inc.
 5491 Benchmark Lane
 Sanford, FL 32773
 PH. 407-265-9963

NEXT DIMENSION

DRAWN
CHECKED
DATE
SCALE
JOB NO.

PROJECT TITLE
A MAJOR SITE PLAN FOR NEXT DIMENSION CONSTRUCTION CONSTRUCTION
 TBD SE HIGHWAY 441
 SUMMERFIELD, FLORIDA 34491

SHEET TITLE
LIFT STATION

CLIENT INFORMATION
 NEXT DIMENSION CONSTRUCTION, INC.
 13624 SE HIGHWAY 441
 SUITE 101
 SUMMERFIELD, FLORIDA 34491
 (352) 857-1469

SUBCONSULTANTS

ENGINEER OF RECORD
BARRY EDWARD GINN
 LICENSE
 No. 54595
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 BARRY EDWARD GINN, P.E.
 FLORIDA PROFESSIONAL ENGINEER
 FL PE NUMBER 54595

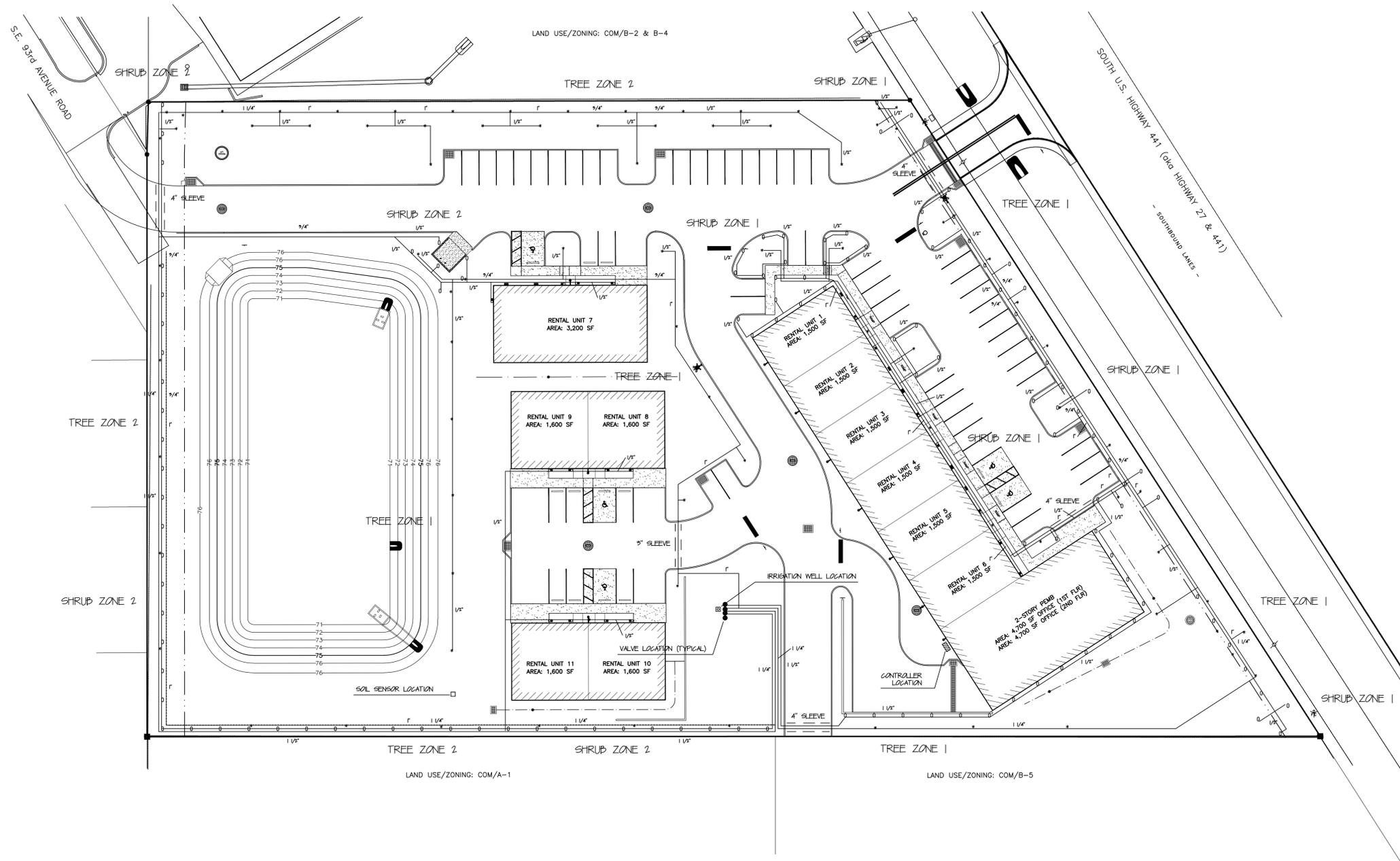
ISSUE DATE
August 14, 2023

PROJECT NUMBER NUMBER
2023-002

REVISIONS	
DATE	DESCRIPTION

SHEET DESIGNATION
C600

SHEET
17 OF 17



LAND USE/ZONING: COM/B-2 & B-4

SOUTH U.S. HIGHWAY 441 (Old HIGHWAY 27 & 441)
- SCOURBOUND LANES -

LAND USE/ZONING: COM/A-1

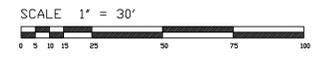
LAND USE/ZONING: COM/B-5

IRRIGATION LEGEND

- HUNTER MP 1000 SERIES POP-UP SPRAY HEADS
- HUNTER MP 1000 SERIES POP-UP SIDE-SPRAY HEADS
- × HUNTER P20 SERIES BUBBLER HEADS FOR TREES
- SOL SENSOR LOCATION
- ⊠ 4" IRRIGATION WELL W/ 5 HP PUMP
- ⊞ HUNTER X-CORE (4 STATION) CONTROLLER
- 2" NELSON VALVES IN WATER-RESISTANT BOXES
- == SLEEVING - SCH 40 P.V.C.

IRRIGATION ZONE DATA

- TREE ZONE 1 = 400 GPM
- TREE ZONE 2 = 400 GPM
- SHRUB ZONE 1 = 356 GPM
- SHRUB ZONE 2 = 256 GPM
- 192 GPM x 15' = 2880 GPR x 7 = 20160 GPD
- 416 GPM / 7 = 594 GPD
- GPM = GALLONS PER MINUTE
- GPR = GALLONS PER ZONE RUN TIME
- GPD = GALLONS PER DAY

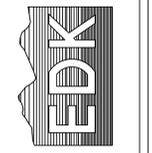


NO.	DATE	DESCRIPTION	BY

DATE: 8 / 23
DRAWING NO.:
JOB NO.:
SCALE: 1" = 30'
JOB NO.:

DRAWN BY: RAK
SCALE: 1" = 30'
JOB NO.:

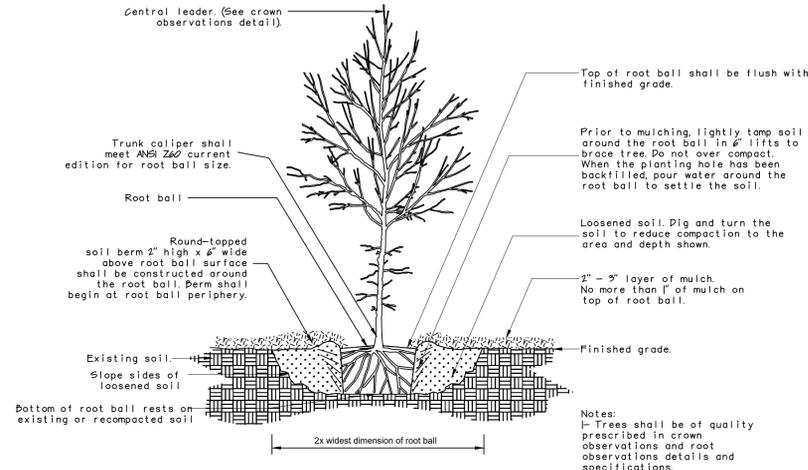
ENVIRONMENTAL DESIGN
ANDY KESSELRING, LANDSCAPE ARCHITECT
1920 SE. 8th STREET
OCALA, FLORIDA 34478
(352) 622-8899
LANDSCAPE ARCHITECTURE, SITE PLANNING,
GOLF COURSE DESIGN, COMMERCIAL-RESIDENTIAL DESIGN



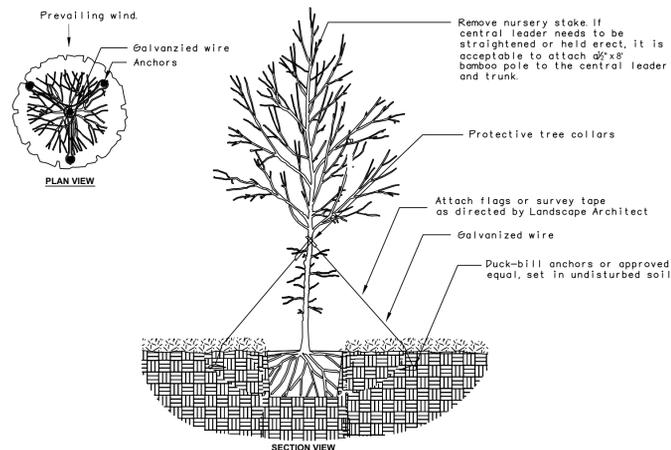
IRRIGATION PLAN
NEXT DIMENSION CONSTRUCTION
SUMMERFIELD FLORIDA

LANDSCAPE NOTES

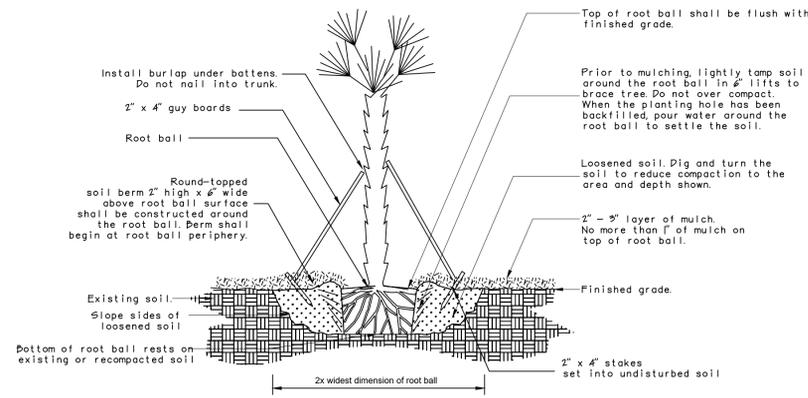
1. ALL MATERIAL SHALL BE FLORIDA #1 GRADE OR BETTER
2. ALL LANDSCAPE AREAS SHALL BE MULCHED WITH 2" - 3" OF FINE DARK MULCH
3. MULCH SHALL NOT BE INSTALLED ON TOP OF THE ROOT BALLS OF ANY SHADE OR ORNAMENTAL TREES
4. ALL MATERIAL INSTALLED SHALL MEET THE 2015 GRADES AND STANDARDS FOR LANDSCAPE INSTALLATION
5. CERTIFICATION IS REQUIRED FROM THE NURSERY AND/OR THE LANDSCAPE CONTRACTOR THAT THE TREE ROOT BALL HAS BEEN SHAVED PER GRADES AND STANDARDS
6. ALL TREES MUST BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO ACCEPTANCE
7. ALL NEW TREES MUST BE GUYED OR STAKED AS DETAILED
8. EXISTING TREES THAT ARE TO REMAIN MUST BE PROTECTED THROUGHOUT CONSTRUCTION
9. THE LANDSCAPE ARCHITECT SHALL REVIEW WITH THE CONTRACTOR ALL LANDSCAPING THAT IS TO BE DONE AND SHALL IDENTIFY THE SCOPE OF WORK
10. PLACEMENT OF ALL LANDSCAPE MATERIAL MUST BE APPROVED BY THE LANDSCAPE ARCHITECT
11. ALL LANDSCAPE MATERIAL MUST BE INSTALLED WITH NATIVE PEAT AND SLOW-RELEASE NITROGEN FERTILIZER
12. ALL PALMS SHALL HAVE STRAIGHT, UNBLEMISHED TRUNKS AS APPROVED BY LANDSCAPE ARCHITECT
13. SABEL PALMS MAY BE "HURRICANE" CUT BUT MUST MAINTAIN A FULL HEALTHY BUD
14. ALL MATERIAL SHALL BE GUARANTEED FOR 90 DAYS FROM THE DATE OF ACCEPTANCE
15. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING IN ALL TREES & PALMS AND REMOVING AIR-POCKETS
16. DURING THE ESTABLISHMENT PERIOD (FIRST 90 DAYS) THE LANDSCAPE CONTRACTOR SHALL APPLY A MINIMUM OF 60 - 80 GPD TO ALL NEW TREES AND PALMS
17. DURING INSTALLATION OF ALL PALMS 'DEHARD' PALM TRANSPLANT SHALL BE APPLIED PER MANUFACTURER'S SPECIFICATIONS AND CONTRACTOR MUST VERIFY THIS TO THE LANDSCAPE ARCHITECT
18. LANDSCAPE CONTRACTOR MUST LOCATE ALL UNDERGROUND UTILITIES PRIOR TO ANY INSTALLATION
19. NO PLANTINGS OR OTHER OBSTRUCTIONS MAY BE WITHIN THE 2' VEHICULAR OVERHANG AREA
20. ALL NEW SOD SHALL BE ARGENTINE BAHIA INSTALLED WITH NO GAPS OR OVERLAPS
21. JOINTS SHALL BE SANDED AS DIRECTED AND EDGES SHALL BE SHOVEL-CUT AND ROUNDED
22. ALL WIRE / MESH PACKING MUST BE COMPLETELY REMOVED PRIOR TO ANY ACCEPTANCE
23. ALL OTHER DISTURBED AREAS OUTSIDE THE PLANTING BEDS SHALL BE SEEDED WITH ARGENTINE BAHIA SEED MIX
24. SEEDING SHALL BE APPLIED AT 8 LBS / 1000 SF
25. SEED AREAS SHALL BE OVER-MULCHED WITH STRAW OR OTHER ACCEPTABLE MATERIAL
26. SOD AND SEED AREAS SHALL BE WATERED BY THE CONTRACTOR UNTIL ESTABLISHMENT / GERMINATION
27. SOD AND SEED AREAS SHALL BE HAND-RAKED AND ALL ROCKS, STICKS, AND OTHER DEBRIS REMOVED
28. 6' TALL OPAQUE PVC FENCE, FINISHED SIDE OUT, SHALL BE INSTALLED IN SOUTH AND WEST BUFFERS
29. FENCE TYPE TO BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION
30. PLANTING SOIL USED FOR THE BUILDING PLANTERS AND BACKFILLING OF THE LANDSCAPE ISLANDS, ETC., MUST BE REVIEWED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO ANY INSTALLATION. ALL SOIL SHALL BE WEED-FREE, CONTAIN NO STICKS, ROCKS, OR OTHER FOREIGN OBJECTS, AND SHALL BE A MIXTURE OF 40% SAND, 50% LOAM, AND 10% TOP-SOIL
31. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL PLANT MATERIAL, ROOTS, SOIL, AND OTHER LANDSCAPE ITEMS REMOVED FROM THIS SITE
32. THE LANDSCAPE CONTRACTOR MUST PROVIDE AN AS-BUILT OF THE IRRIGATION SYSTEM TO THE LANDSCAPE ARCHITECT PRIOR TO REQUESTING ANY INSPECTIONS AND/OR APPROVALS
33. THE CONTRACTOR SHALL KEEP THE SITE CLEAN OF ALL DEBRIS, SEDIMENT, DIRT, ETC., AND ENSURE THAT THAT DRAINAGE SYSTEM REMAINS CLEAR AND THAT PEDESTRIAN WAYS ARE NOT BLOCKED
34. DO NOT PLANT NEW TREES TOO DEEP. UNCOVER THE TRUNK FLARE AND SET THIS AT OR ABOVE THE SURROUNDING SOIL LEVEL
35. REMOVE ANY TREE WRAP FROM AROUND THE TRUNK OF NEW TREES TO BE INSTALLED
36. ALL NEW TREES AND SHRUBS MUST MEET THE 'AMERICAN STANDARDS FOR NURSERY STOCK' (ANSI 240)
37. LANDSCAPE ARCHITECT MAY REQUIRE PRUNING OF NEW TREES AFTER INSTALLATION IF IT IS DETERMINED THAT THE TREES NEED A SINGLE DOMINANT LEADER ESTABLISHED OR CLUSTER BRANCHES REMOVED
38. ALL PLANT MATERIAL MUST MEET ALL OF THE SIZE SPECIFICATIONS, NOT JUST THE CONTAINER SIZE
39. HAVING THE LANDSCAPE ARCHITECT APPROVAL OF PLANT PLACEMENT IS ESSENTIAL FOR ACCEPTANCE
40. ALL SIZE SPECIFICATIONS SHOWN ON THE MATERIAL LIST ARE FOR THE HEIGHT OF THE MATERIAL UNLESS OTHERWISE NOTED. MEASUREMENT SHALL BE AS PER THE CURRENT INDUSTRY GRADES AND STANDARDS



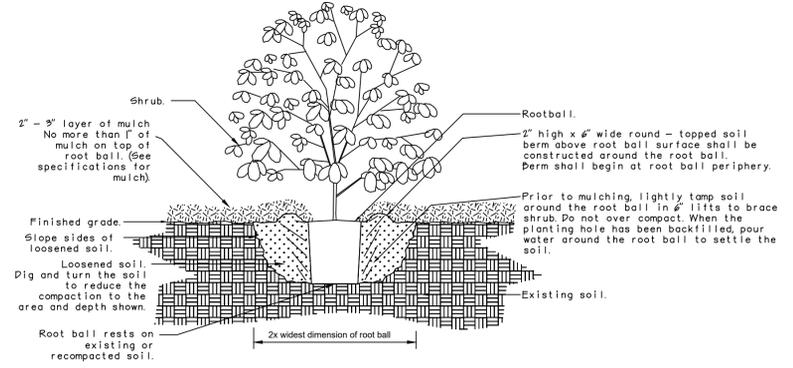
TREE INSTALLATION



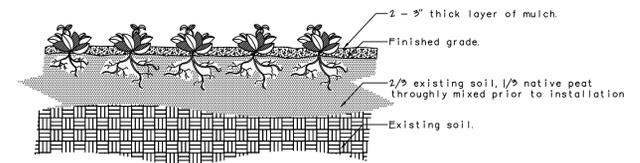
TREE STAKING - TREES < 2" CALIPER



PALM INSTALLATION



SHRUB INSTALLATION



GROUNDCOVER INSTALLATION

NO.	DATE	DESCRIPTION	BY

DATE: 8 / 23	DRAWING NO.:	FC
SCALE: 1" = 30'	VIEW NAME:	FB
JOB NO.:		

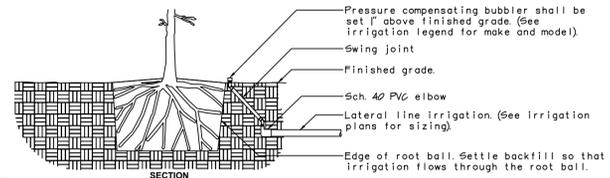
ENVIRONMENTAL DESIGN
 ANDY KESSELRING, LANDSCAPE ARCHITECT
 1920 SE. 8th STREET
 Ocala, Florida 34478
 (352) 622-8899
 LANDSCAPE ARCHITECTURE, SITE PLANNING,
 GOLF COURSE DESIGN, COMMERCIAL-RESIDENTIAL DESIGN



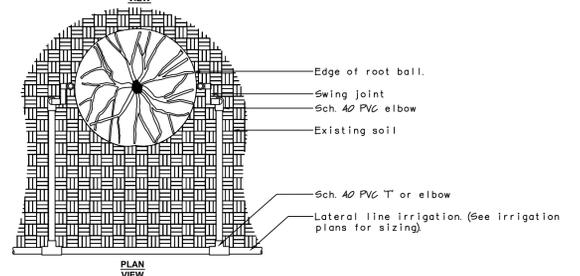
LANDSCAPE NOTES & DETAILS
 NEXT DIMENSION CONSTRUCTION
 SUMMERFIELD FLORIDA

IRRIGATION NOTES

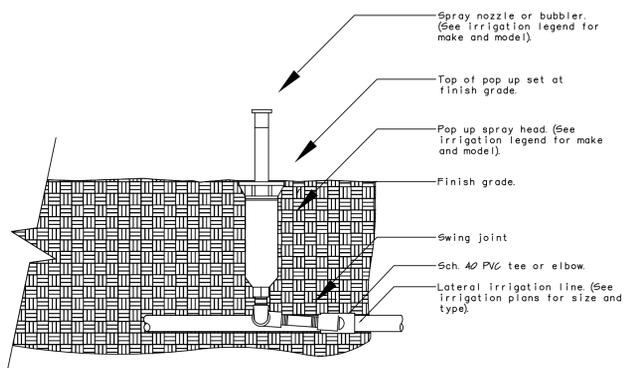
- MINOR CHANGES MAY BE MADE IN THIS LAYOUT WITH APPROVAL BY THE LANDSCAPE ARCHITECT
- ALL HEAD LOCATIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO ANY INSTALLATION
- HEADS SHALL BE 1/4, 1/2, OR FULL CIRCLE AS EACH LOCATION REQUIRES
- SPRAYS PATTERNS SHALL BE SET TO MINIMIZE SPRAY ONTO ADJACENT WALKS, DRIVES, AND BUILDINGS
- WATER SOURCE SHALL BE A NEW 4" WELL WITH 5 HP PUMP FOR IRRIGATION USE ONLY
- PRIOR TO ANY INSTALLATION, THE IRRIGATION CONTRACTOR SHALL INSPECT THE EXISTING SITE AND PROPOSED SYSTEM DESIGN AND PROVIDE ANY QUESTIONS TO THE LANDSCAPE ARCHITECT, IN WRITING, PRIOR TO THE START OF ANY INSTALLATION. ANY MODIFICATIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO ANY INSTALLATION
- THE OWNER WILL PROVIDE ELECTRICAL SERVICE TO THE WELL SITE
- THE CONTROLLER SHALL BE LOCATED IN THE GENERAL AREA SHOWN AND SHALL BE MOUNTED AS APPROVED BY THE LANDSCAPE ARCHITECT IN A LOCKABLE CASE
- THE OWNER WILL PROVIDE AN ELECTRICAL OUTLET IN THE CONTROLLER AREA
- ALL VALVES SHALL BE INSTALLED IN WATER-RESISTENT BOXES
- ALL SLEEVING MUST BE INSTALLED PRIOR TO THE LIMEROCKING OF THE PAVED AREAS
- ALL SLEEVING SHALL BE SCH. 40 PVC AND INSTALLED A MINIMUM OF 18" DEEP
- ALL FEEDER LINES SHALL BE INSTALLED A MINIMUM OF 12" DEEP
- RAINFALL "RAINGAUGE" DEVICE SHALL BE INSTALLED TO MINIMIZE IRRIGATION DURING SUFFICIENT RAINFALL (RSD SERIES). IN ADDITION, AN AGLUMA TDT SENSOR WITH SOX CONTROL MONITOR MUST BE INSTALLED AS LOCATED BY THE LANDSCAPE ARCHITECT FOR PROPER IRRIGATION AMOUNTS
- THE ENTIRE SYSTEM MUST BE OPERATIONAL, REVIEWED, AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO FINAL ACCEPTANCE
- THE CONTRACTOR SHALL RETURN WITHIN THE FIRST 30 DAYS TO ADJUST THE SYSTEM AS NECESSARY AND DIRECTED BY THE LANDSCAPE ARCHITECT
- ALL LABOR AND MATERIALS SHALL BE GUARANTEED FOR 1 YEAR FOR FINAL ACCEPTANCE
- THE CONTRACTOR MUST PROVIDE AN AS-BUILT DRAWING TO THE LANDSCAPE ARCHITECT PRIOR TO FINAL ACCEPTANCE
- BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED AT THE WELL PER ALL APPLICABLE CODES
- SLEEVES MUST BE INSTALLED IN ALL AREAS WHERE IRRIGATION PIPING IS INSTALLED UNDER PAVEMENT
- ZONES ARE DESIGNED TO FUNCTION AT 50 GPM AND 40 PSI AT THE VALVE LOCATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING AT ALL HEADS TO INSURE PROPER PRESSURE AND WATER QUANTITY FOR THE DESIGNED COVERAGE
- CONTRACTOR SHALL CONSULT WITH BOTH OWNER AND THE LANDSCAPE ARCHITECT FOR THE TIMING OF THE SYSTEM, BASED ON CURRENT WATER RESTRICTIONS
- SYSTEM DOES NOT PROVIDE 100% COVERAGE OF THE ENTIRE PROJECT SITE. CONTRACTOR MUST ADJUST HEADS TO COVER NEW TREE AND SHRUB PLANTINGS AS DIRECTED BY THE LANDSCAPE ARCHITECT
- ALL LINE LOCATIONS MUST BE ADJUSTED ON-SITE TO INSURE THAT THEY DO NOT IMPACT THE MAJOR ROOT SYSTEMS OF THE TREES TO BE PRESERVED
- ALL IRRIGATION HEADS SHALL BE LOW-VOLUME, MICRO-IRRIGATION TO MINIMIZE WATER CONSUMPTION
- SET RUN TIMES FOR THE SYSTEM PER RECOMMENDATIONS BY IFAS @ EDIS/FFASU/LEU/AE210
- ON HEADS LOCATED BELOW THE VALVE LOCATIONS, INSURE CHECK VALVES ARE INSTALLED AT THE HEAD
- POP-UP HEIGHTS WITHIN SOG AREAS SHALL BE SET AT 6"
- ALL VALVES SHALL HAVE A FACTORY-INSTALLED FILTER SENTRY AND VERIFIED BY CONTRACTOR
- VERIFY CONTROLLER SET-UP WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION
- ALL IRRIGATION INSTALLATION SHALL MEET 2015 GRADES AND STANDARDS
- NO IRRIGATION HEADS SHALL BE INSTALLED ON RISERS UNLESS SPECIFICALLY NOTED AND DETAILED
- ALL AS-BUILTS, VERIFICATIONS, ETC., MUST BE SUBMITTED PRIOR TO FINAL INSPECTION AND ACCEPTANCE
- BUBBLERS AT ALL TREES AND PALMS SHALL BE STAKED AT THEIR PROPER LOCATIONS



Notes:
 1- All irrigation fittings shall be Sch. 40 PVC unless specified otherwise.
 2- All threaded connections from Sch. 40 to Sch. 80 PVC shall be made using teflon tape.
 3- Contractor shall settle the area around the bubbler and edge of the root ball so that all irrigation flows through the root ball.

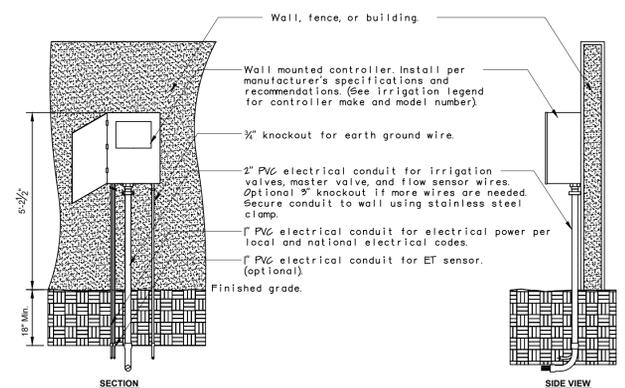


TREE BUBBLER LAYOUT



Notes:
 1- 6" pop ups shall be used in turf areas.
 2- Contractor shall settle soil around the pop up after installation.
 3- All pop up spray heads shall have check valves.
 4- All Sch. 40 PVC to Sch. 80 PVC connections shall be made using teflon tape.

POP UP-SPRAY HEAD



Notes:
 1- Common and controller wire to be bundled using electrical tape at 1/2" on center.
 2- Grounding rods shall be located between 6"-7" to 12" away from the controller. Grounding rods shall be 6' in length. Connect the grounding rod to the controller using #6 gauge bare copper wire per manufacturer's specifications.
 3- Rain sensor device shall be installed within 24" of the controller, a minimum of 18" high, and out from any overhead obstructions such as building overhangs, trees, or utilities.

WALL MOUNTED CONTROLLER

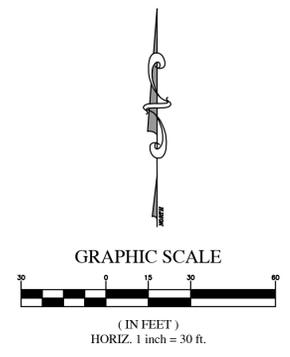
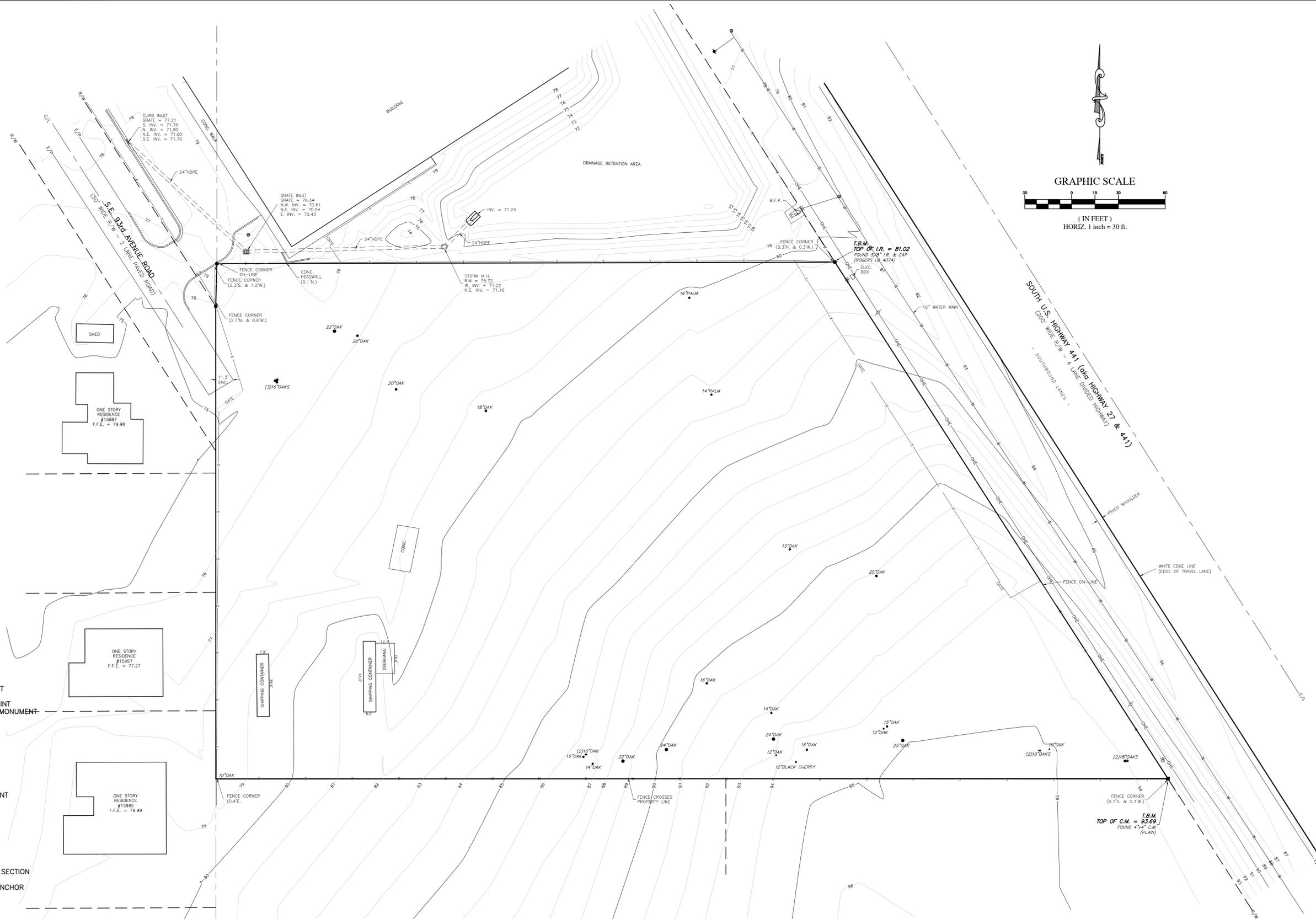
NO.	DATE	DESCRIPTION	BY

DATE: 8 / 23	DRAWN BY: RAK	SCALE: 1" = 30'	JOB NO.:
DRAWING NO.:	VIEW NAME:	PG:	FB:

ENVIRONMENTAL DESIGN
 ANDY KESSELRING, LANDSCAPE ARCHITECT
 1920 SE. 8th STREET
 Ocala, Florida 34478
 (352) 622-8899
 LANDSCAPE ARCHITECTURE, SITE PLANNING,
 GOLF COURSE DESIGN, COMMERCIAL-RESIDENTIAL DESIGN



IRRIGATION NOTES & DETAILS
 NEXT DIMENSION CONSTRUCTION
 SUMMERFIELD FLORIDA



SEE SHEET 1 FOR BOUNDARY SURVEY

- LEGEND**
- ENC. ENCROACHMENT
 - T.B.M. TEMPORARY BENCHMARK
 - F.F. FINISH FLOOR
 - ELEV. ELEVATION
 - INV. INVERT
 - P.O.B. POINT OF BEGINNING
 - P.O.C. POINT OF COMMENCEMENT
 - D.E. DRAINAGE EASEMENT
 - P.C.P. PERMANENT CONTROL POINT
 - P.R.M. PERMANENT REFERENCE MONUMENT
 - C.M. CONCRETE MONUMENT
 - I.R. IRON ROD
 - N&D NAIL & DISC
 - R/W RIGHT OF WAY
 - E/P EDGE OF PAVEMENT
 - C/L CENTERLINE
 - SEC. SECTION
 - TWP. TOWNSHIP
 - RGE. RANGE
 - (P) PLAT MEASUREMENT
 - (D) DESCRIPTION MEASUREMENT
 - (F) FIELD MEASUREMENT
 - R RADIUS
 - D or Δ CENTRAL ANGLE
 - CB CHORD BEARING
 - LC LENGTH OF CHORD
 - O.R.B. OFFICIAL RECORDS BOOK
 - PG. PAGE
 - CONC. CONCRETE
 - C.M.E.S. CONCRETE MITERED END SECTION
 - B.F.P. BACKFLOW PREVENTER
 - UTILITY POLE AND GUY ANCHOR
 - OVERHEAD WIRES
 - FENCE
 - CONCRETE
 - ASPHALT
 - TREE (SEE TREE SCHEDULE)
 - GROUND CONTOUR
 - TRAFFIC SIGNAL BOX
 - SANITARY MANHOLE
 - WATER METER
 - WATER VALVE
 - TRAFFIC SIGN
 - STREET SIGN
 - GAS MARKER
 - FIBER OPTIC CABLE MARKER
 - LIGHT POLE
 - FIRE HYDRANT
 - TELEPHONE PEDESTAL
 - ELECTRIC METER

DATE	REVISION

Robert L. Rogers, PE
 rrogers@rogerseng.com
 Rodney K. Rogers, PSM
 rkrogers@rogerseng.com
 Mekelle M. Boyette, PSM
 kboyette@rogerseng.com

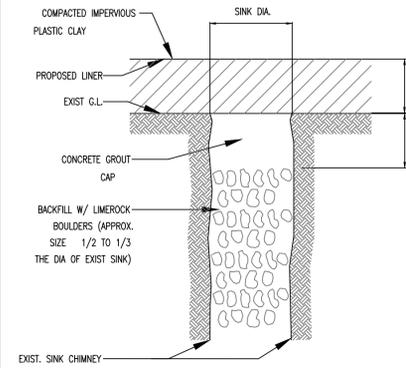
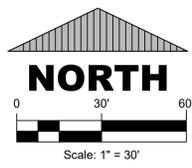
ROGERS ENGINEERING, LLC
Civil Engineering & Land Surveying

1105 S.E. 3rd Avenue • Ocala, Florida 34471 • Ph. (352) 622-9214 • Lic. Bus. #4074

A BOUNDARY & TOPOGRAPHIC SURVEY
 FOR
 NEXT DIMENSION CONSTRUCTION, INC.
Topographic Survey Map

JOB No. 23_47696-000-01
DATE 2-8-2023
SCALE 1" = 30'
SHEET 2 OF 2

RODNEY K. ROGERS DATE
 PROFESSIONAL SURVEYOR & MAPPER
 REGISTRATION NO. 5274
 STATE OF FLORIDA

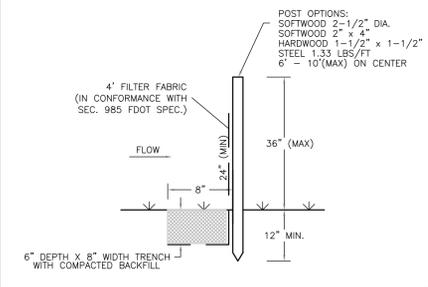


SINKHOLE REPAIR DETAIL

SCALE: NONE
SOURCE: REPAIR METHOD 2, SECTION 4.0, "APPLICANTS HANDBOOK, KARST SENSITIVE AREAS", SURFIND, MAY 1988.

SOLUTION CHANNEL PLAN AT DRA

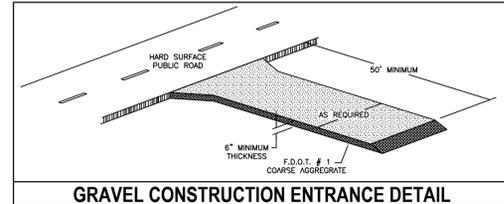
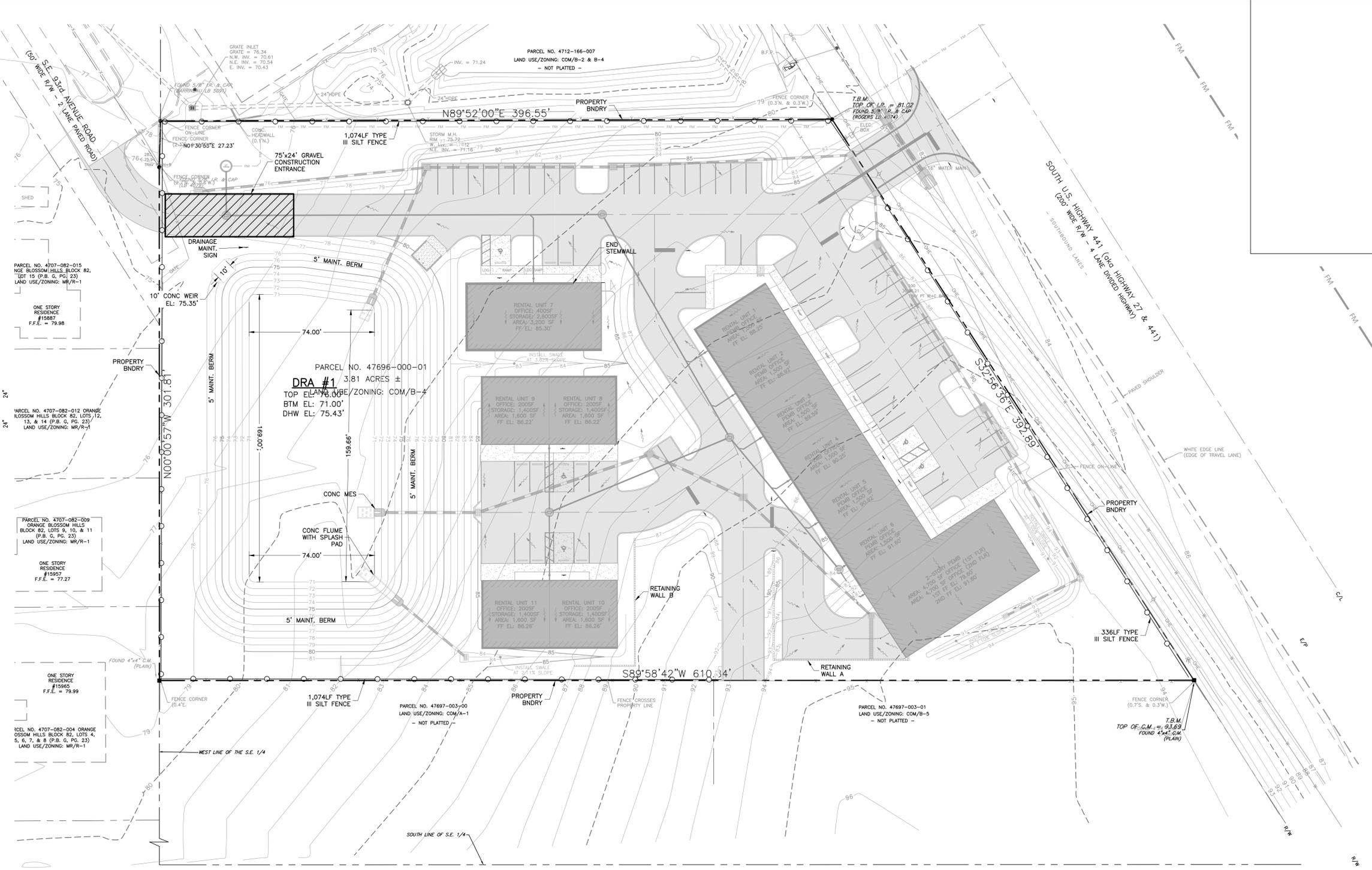
- IF A SINKHOLE SHOULD FORM ON THIS SITE, ALL APPLICABLE REPAIR PROCEDURES SHALL BE FOLLOWED AS OUTLINED IN THE TYPICAL SINK CHIMNEY REPAIR DETAIL SHOWN HERE. CONTACT PROJECT ENGINEER.
- IF LIMESTONE IS ENCOUNTERED DURING CONSTRUCTION OF THE RETENTION AREA, THE AREA SHALL BE OVER EXCAVATED THREE (3') FEET AND BACKFILLED WITH A SUITABLE (CLAYEY) INDIGENOUS SOIL TO MEET THE KARST SENSITIVE REQUIREMENTS. THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- THE CONTRACTOR SHALL NOTIFY THE DISTRICT (1-800-423-1476) WITHIN 48 HOURS IF A SINKHOLE DEVELOPS DURING CONSTRUCTION ACTIVITIES.
- AT COMPLETION OF CONSTRUCTION, ENSURE THE MAXIMUM DEPTH OF THE PROPOSED DRA(S) ARE NOT EXCAVATED SIGNIFICANTLY DEEPER THAN THE PROPOSED DRA BOTTOM ELEVATION. UNDER NO CIRCUMSTANCE MAY THE BOTTOM DRA BASIN DEPTH EXCEED TEN FEET.
- ENSURE THE BOTTOM AND SIDES OF THE PROPOSED DRA(S) ARE FULLY VEGETATED, PREFERABLY WITH ST. AUGUSTINE GRASS.
- ENSURE RIPRAP IS LOCATED AT THE DISCHARGE POINT OF ALL STORMWATER INLETS.



SILT FENCE DETAIL
NOT TO SCALE

SWPPP LEGEND

TYPE III SILT FENCE



S.W.P.P.P. NOTES:

- SILT FENCING (SEE DETAIL) SHALL BE INSTALLED PRIOR TO CLEARING OF THE PROPERTY AND MAINTAINED UNTIL COMPLETION OF CONSTRUCTION AND STABILIZATION OF ALL DISTURBED AREAS.
- THE GRAVEL CONSTRUCTION ENTRANCE (SEE DETAIL) SHALL BE CONSTRUCTED AND MAINTAINED UNTIL COMPLETION OF ALL PAVING.
- ALL GRATE INLETS SHALL BE PROTECTED BY EITHER OF THE FOLLOWING PROCEDURES:
 - THE GRATE OVER THE INLET SHALL BE REMOVED AND A PREFABRICATED DROP INLET INTERNAL FILTER BAG (AFC SILT SACK) INSERTED AND THE GRATE REPLACED TO HOLD THE BAG IN PLACE. WHEN SEDIMENT HAS ACCUMULATED TO WITHIN ONE FOOT OF THE BOTTOM OF THE GRATE, THE FILTER BAG MUST BE REMOVED BY A FRONT END LOADER OR FORKLIFT, DISCARDED AND REPLACED WITH A NEW OR A CLEAN REUSED FILTER BAG.
 - INSTALL A 2"x4"x3' STAKED FRAME AROUND THE PERIMETER OF THE INLET WITH THE STAKES DRIVEN A MINIMUM OF 8" INTO THE GROUND WITH A 2"x4" FRAME AROUND THE TOP, AND BURLAP STAPLED TO THE STAKES, WITH AT LEAST 8" OF THE BOTTOM OF THE BURLAP BURIED AT LEAST 4" DEEP AROUND THE ENTIRE PERIMETER.
- INLET PROTECTION SHALL REMAIN IN PLACE UNTIL ALL SURFACE AREAS WITHIN THE PROJECT HAVE BEEN COMPLETED TO THEIR PROPOSED FINISHED CONDITION.

CONSULTANT
Infinite Engineering
240 SW 8TH STREET, SUITE A
OCALA, FLORIDA 34471
(352) 287-1480
WWW.INFINITEENGL.COM
CERT. OF AUTH. # 33000

PROJECT TITLE
**A MAJOR SITE PLAN FOR
NEXT DIMENSION
CONSTRUCTION
CONSTRUCTION
TBD SE HIGHWAY 441
SUMMERFIELD, FLORIDA 34491**

SHEET TITLE
SWPPP

CLIENT INFORMATION
NEXT DIMENSION CONSTRUCTION, INC.
13624 SE HIGHWAY 441
SUITE 101
SUMMERFIELD, FLORIDA 34491
(352) 857-1469

SUBCONSULTANTS

ENGINEER OF RECORD
BARRY EDWARD GINN
LICENSE
No. 54595
STATE OF FLORIDA
PROFESSIONAL ENGINEER
BARRY EDWARD GINN, P.E.
FLORIDA PROFESSIONAL ENGINEER
FL PE NUMBER 54595

ISSUE DATE
August 14, 2023

PROJECT NUMBER NUMBER
2023-002

REVISIONS	
DATE	DESCRIPTION

SHEET DESIGNATION
SWPPP

SHEET
1 OF 1