



Planning and Development
510 North Baker Street
Mount Dora, Florida 32757
352-735-7112

Email: plandev@cityofmountdora.com

PLANNING & ZONING COMMISSION

City Hall Board Room

Wednesday, April 20, 2022, 10:00 AM

AGENDA

- I. Call to Order
- II. Roll Call with Determination of Quorum
- III. Approval of Minutes
 - A. February 16, 2022 Minutes
- IV. Public participation/hearing for non-agenda items
- V. New Business
 - A. **Request for Site Plan; Dollar Tree** (Project Name); Located on Southeast Corner of Robie Ave and US 441 (Site Address); 21761 US 441 (Location); FRP Properties LLLP (Owner); Dynamic Commercial Real Estate Advisors (Applicant); Kimley-Horn and Associates, Inc. (Engineer); Kimley-Horn and Associates, Inc. (Landscape Architect); Clark, Geer, Latham, and Associates (Architect). Project No. SP21-13.
 - 1. Swearing in of witnesses by City Attorney
 - 2. Ex Parte Communication regarding this item.
 - 3. Staff/Applicant presentation
 - 4. Public Input
 - 5. Commission deliberation and action
- VI. Announcement of next scheduled meeting date
 - A. Regularly Scheduled meeting: Wednesday, May 18, 2022 at 10:00 a.m.
- VII. Adjournment

NOTICE: For purposes of Section 286.011, *Florida Statutes*, two (2) or more members of the City Council may be present at this meeting and this meeting may be considered a City Council meeting although no decision of the City Council will be made at this meeting and the City Council shall comply with the requirements of controlling State law in every respect.

NOTICE: If any person decides to appeal any decisions made at this meeting with respect to any matter considered at this meeting, such person may need a record of these proceedings. For such purpose, a person may need to ensure that a verbatim record of the proceedings is made which record includes the testimony and evidence upon which the appeal is to be based. The City shall not make or perfect such a record. Section 286.0105, *Florida Statutes*.

NOTICE: In accordance with the *Americans with Disabilities Act*, persons needing a special accommodation to participate in this proceeding should contact the Planning and Development Department no later than seven (7) days prior to the proceedings. Telephone (352) 735-7112 for assistance, if hearing impaired, telephone the Florida Relay Service numbers, (800) 955-8771 (TDD) or (800) 955-8770 (Voice) for assistance.



CITY OF MOUNT DORA
PLANNING AND ZONING COMMISSION
REGULAR MEETING MINUTES – February 16, 2022

I. CALL TO ORDER

Having been duly advertised as required by law Chairman, Harmon Massey called the regular meeting of the Planning and Zoning Commission to order at 10:00 a.m. on Wednesday, February 16, 2022.

II. ROLL CALL WITH DETERMINATION OF QUORUM

Present:

Committee Members: Harmon Massey, *Chairperson*, Rebecca Carter, *Vice-Chair*, Miles Beach, Tom Dring (Via phone call), and Kris Haukoos.

Absent: Ryan Parent and James Homich.

City Staff and Attorney: Vince Sandersfeld, *Planning Director*; Shelby Eldridge, *Planner II*; Sherry Sutphen, *City Attorney*; Emily Ragusa, *Associate Planner*.

Presenters: Allan Bradley, *Huber Group, LLC*; Tim Green, *Green Consulting Group, Inc.*, Boyd Joiner, *Miles Architecture Group, Inc.*

III. APPROVAL OF MINUTES:

Ms. Carter motioned to approve the meeting minutes dated January 19, 2022. Ms. Haukoos seconded the motion and it was approved unanimously.

IV. PUBLIC PARTICIPATION/HEARING FOR NON-AGENDA ITEMS:

None

V. NEW BUSINESS

- A. **Request of Future Land Use Map Amendment (Small-Scale) from Regional Office (County) to Commercial, Office, and Conservation (City);** Located South side of US Highway 441, North of Limit Ave, and South West of County Club Blvd. (Location); 19630 US Highway 441 (Site Address); 6.962 Acres (Site Area); Robert L. Simpson (Owner); The Huber Group, LLC (Applicant); Project No. FLUM22-01SM.
- B. **Request for Final PUD;** Mount Dora Self Storage (Project Name); 6.962 Acres (Size); located South side of US Highway 441, North of Limit Ave, and South West of County Club Blvd. (Location); Robert L. Simpson (Owner); The Huber Group, LLC (Applicant); Project No. PUD22-01FNL.

City Attorney, Sherry Sutphen addressed swearing in of witnesses.
No Ex Parte Communication regarding these agenda items.

Mr. Sandersfeld gave a summary of both of the proposed applications and stated that Staff recommends approval of the above-referenced request for the Small-Scale Future Land Use Map Amendment and Final PUD Master Plan. Approval subject to annexation.

Mr. Sandersfeld stated that Staff recommends approval of the above-referenced for the Mount Dora Self Storage Final PUD Master Plan. Approval subject to Annexation and Future Land Use Map Amendment.

Mr. Sandersfeld and Mr. Massey had a discussion regarding the conservation easement and frontage road connections.

Ms. Haukoos and Mr. Sandersfeld had further discussion regarding the conservation land and when the Stormwater and Soils reports would be conducted. Mr. Sandersfeld stated reports are conducted forthcoming at the Site Plan phase.

Mr. Sandersfeld and Mr. Dring had a discussion regarding the allowed use for a storage facility. Mr. Sandersfeld stated the Final PUD includes mixed uses, such as retail and office in addition to the storage use.

Project Applicant, Allan Bradley gave an overview of the project and the proposal of a mixed use project. The Huber Group, held a voluntary meeting for the County Club of Mount Dora residents to showcase the project, and received positive feedback from the meeting including an approval letter from the County Club of Mount Dora HOA.

Ms. Haukoos and Mr. Bradley had a discussion regarding the buffer landscape and making sure the rear outside storage would not visible from view from US Highway 441.

Mr. Bradley stated that the landscaping will be enhanced surrounding the back and they will install a gate with a covering to hide the storage as well from the side.

Mr. Beach stated he would like to add the additional landscaping buffer requirement to the motion.

Ms. Haukoos and Mr. Huber had a discussion regarding the clarification on the building material and architectural designs.

Ms. Carter motioned to approve the Future Land Use Map Amendment (Small-Scale) as presented.

Mr. Beach seconded the motion and it was approved by a roll call vote (5:0).

Mr. Beach motioned to approve the Final Planned Unit Development Master Plan for Mount Dora Self-Storage, as presented with additional landscape and architectural designs meeting the Land Development Code. Ms. Haukoos seconded the motion and it was approved by a roll call vote (5:0).

C. Request for Site Plan; Mount Dora Hotel Center (Project Name); 19720 US Highway 441 and 19740 US Highway 441 (Site Addresses); South side of US Highway 441 and west of Limit Avenue (Location); Alysha Enterprises, Inc. and AJK of Orlando, Inc. (Owner); Green Consulting Group, Inc. (Applicant); Mitch Collins PE, Inc. (Engineer); Green Consulting Group, Inc. (Landscape Architect); Miles Architecture Group, Inc. (Architect). Project No. SP21-09 City Attorney, Sherry Sutphen addressed swearing in of witnesses.

Mr. Beach stated that he is the project architect so he is recused from this agenda item. No further Ex Parte Communication regarding this agenda item.

Mr. Sandersfeld gave a project overview and stated that Staff recommends approval of the above-referenced site plan with conditions. Approval is subject to satisfactorily addressing engineering requirements and frontage road vacate/land transfer prior to issuance of the

City Development Permit. Approval subject to Lake County engineering and right-of-way requirements and permitting requirements.

Project Applicant, Mr. Tim Green provided an overview of the proposed project and details of the two hotel site plan. He explained the history of the original site plans and intended uses. The configuration of the site need to be modified with new storm water, access points, and other site improvements to accommodate the two hotels.

Mr. Massey asked for clarification on the middle common area is between the two hotels.

Mr. Green and Mr. Boyd Joiner stated the middle common area will be used for loading/unloading providing a water fountain and monument sign in the middle.

Discussion ensued regarding the frontage road and conversion for vacate of the original deeded internal roadway.

Ms. Sutphen stated easements for public access and utilities will be deeded back to the City for the frontage road.

Ms. Haukoos motioned to approve the Site Plan as presented. Ms. Carter seconded the motion and it was approved by a roll call vote (4:0). Mr. Beach recused from voting.

VI. ANNOUNCEMENT OF NEXT SCHEDULED MEETING DATES

Regularly Scheduled Meeting: Wednesday, March 16, 2022 (10:00 am)

VII. ADJOURNMENT

The meeting was adjourned at 11:04 am.

Emily Ragusa, *Associate Planner*

Harmon Massey, *Commission Chair*



CITY OF MOUNT DORA

Planning and Development

510 N. Baker St.

Mount Dora, FL 32757

352-735-7113

Fax: 352-735-7191

E-mail: plandev@cityofmoundora.com

DATE: April 20, 2022

TO: Planning and Zoning Commission

FROM: Development Review Committee
Vince Sandersfeld, Planning Director

RE: **Request for Site Plan; Dollar Tree** (Project Name); Located on Southeast Corner of Robie Ave and US 441 (Site Address); 21761 US 441 (Location); FRP Properties LLLP (Owner); Dynamic Commercial Real Estate Advisors (Applicant); Kimley-Horn and Associates, Inc. (Engineer); Kimley-Horn and Associates, Inc. (Landscape Architect); Clark, Geer, Latham, and Associates (Architect). Project No. SP21-1

SUMMARY OF RECOMMENDATION:

Staff recommends of the above-referenced request, subject to engineering requirements and validation of the bank estimate prior to issuance of the Site Development Permit.

REFERENCES/SUPPORT:

Section 5.2 LDC

SITE SUMMARY:

Existing Use: Vacant Land
Proposed Use: Retail
Future Land Use: Commercial
Zoning: C-3 (Highway Commercial)
Overlay Zones: None
Building Height: 65 feet Allowed (Maximum)
29'-3" Proposed (one-story)
Building Size: 9,984 square feet
Total Site Area: 1.774 acre (75,777 square feet) 252'x300'
Maximum ISR: 65%
Proposed ISR: 49%
Maximum FAR: 0.35 (or maximum 26,985 sf building size)
Proposed FAR: 0.13

Surrounding Property Table:

Direction	City/County	FLU	Zoning	Existing Use(s)
North	County	Urban Low	R-1/R-7	SFRs
South	County	Regional Office	LM	Auto Repair & Sales
East	County	Regional Office	LM/R-1	SFRs
West	City	Industrial	WP-1	Auto Repair & Sales/Thrift Shop

ANALYSIS:

ANALYSIS:

The Site Plan proposal is for a retail store within the C-3 zoning district. This is a recent annexation enacted by Ordinance No. 2021-20 on December 7, 2021. The Future Land Use was changed from county to City Commercial under Ordinance No. 2021-21 on November 16, 2021. C-3 zoning was adopted under Ordinance No. 2021-22 on December 7, 2021.

The attached Site Plan shows the proposed site layout, parking, access, buffer yards, and improvements for the project. The proposal will consist of a new 9,984 square foot retail building. The proposed use of a retail is consistent with the City's C-3 zoning as well as the Commercial future land use category.

The site has provide 44 parking spaces (includes 2 handicap spaces). 40 spaces required by code. Two ingress/egress access drives to the site will is located from Robie Avenue. FDOT has limited access drive off US Highway 441. The proposed access points located off Robie Avenue will assist in traffic management. Robie Avenue is under Lake County jurisdiction and subject to access permitting and improvements to Robie Avenue.

On-site retention ponds are proposed along the western and southern property lines. In addition to landscaping plantings, a proposed 6 feet high vinyl fence is being proposed at part of this buffer area treatments.

The site is heavily wooded site and the applicant has provided, as required, a tree removal and replacement plan showing the amount of trees to be removed and saved. Existing trees will be impacted (removed) by the proposed improvements and site grading. The Land Development Code requires existing trees removed to be replaced. The proposal tree mitigation plan has included a tree replacement program with a tree bank contribution for the remaining deficient trees. The applicant has estimated tree bank contribution in the amount of \$12,375. Staff requires validation of the retail tree cost. In the event the cost is higher than listed on the tree replacement plan, the applicant will be required to remit the higher contribution amount accordingly.

ATTACHMENTS:

Vicinity Map

Application

Elevations

Site Plan

21761 US Highway 441 Vicinity Map

Legend

 21761 US Hwy 441



0 170 340 680 Feet



Map Date: 9/20/2021



CITY OF
MOUNT
DORA

SP21-13

City of Mount Dora
Planning and Development
510 N. Baker St.
Mount Dora, FL 32757
352-735-7112

E-mail: plandev@cityofmountdora.com

SITE PLAN
APPLICATION

Date: OCT 22, 2021 Project Name: Dollar Tree - Mt. Dora, FL

1. Site Address: South East Corner of Robie Ave and US 441
(Contact City Staff for New Address Assignments)
2. Applicant's Name: Ric Bushey
Company's Name: Dynamic Commercial Real Estate Advisors
Address: 500 N. Birdneck Road, Suite 200
City, State & Zip: Virginia Beach, Virginia 23451
Phone: 772-794-4099 E-mail: daniel.blasco@kimley-horn.com
3. Property Owner's Name(s): CHRIS BERENS
Company's Name: FRP Properties LLLP
Address: 6779 Round Lake Road
City, State & Zip: Mount Dora, FL 32757
Phone: 352 223.6766 E-mail: CBZEVO@EMAIL.COM
4. Engineer's Name: Melibe Thomas, PE
Company's Name: Kimley-Horn and Associates, Inc.
Address: 445 24th Street, Suite 200
City, State & Zip: Vero Beach, FL 32960
Phone: 772-794-4055 E-mail: melibe.thomas@kimley-horn.com
5. Landscape Architect's Name: Marie Robirds, PLA, LI
Company's Name: Kimley-Horn and Associates, Inc.
Address: 6160 Warren Pkwy, Suite 210
City, State & Zip: , Frisco, TX 75034
Phone: 469-287-5196 E-mail: Marie.Robirds@kimley-horn.com

6. Architect's Name: Linda Snapp AIA, NCARB, LEED AP
Company's Name: Clark, Geer, Latham, and Asscoaties, Inc.
Address: 3901 Springhill Avenue
City, State & Zip: Mobile, Alabama 36608
Phone: 251-344-7073 E-mail: lsnapp@cglengineers.com
7. Briefly describe the property project and proposed use(s): _____
Proposed +/- 10,000 Retail Commercaill Building and Asscoiated Infrasturcutre
8. Property is located on the following adjacent streets: _____
South East Corner of Robie Ave and US 441
9. Zoning District: C-3 Future Land Use Category: City Commercial
10. Building Size Existing (SF): 0 SF Proposed (SF): +/- 10,000 SF
Total (SF): +/- 10,000 SF
11. Proposed Number of Seats: 0
12. Size of property in Acres: +/- 1.74 ac Square Feet: +/- 75,777
13. Number of structures to be built on the site: 1
14. Height of structures(s): +/- 30' Building Stories: 1
15. Total square footage of impervious surface: +/- 48,537 SF
16. The percentage of lot coverage: 64.05%
17. Are vested rights being requested as part of this application? Yes _____ No X
If no, by signing this application you are waiving any future vested development rights on this property.

CERTIFICATION AND SIGNATURE

By my signature below, I certify that the information contained in this application is true and correct to the best of my knowledge at the time of the application. I acknowledge that I understand and have complied with all of the submittal requirements and procedures and that this application is a complete application submittal pursuant to the City's Land Development Code. I further understand that an incomplete application submittal may cause my application to be deferred to the next posted deadline date.

Chris Berens, FRB PROPERTIES

Owner/Applicant Signature

Site Plan Application

Oct. 22, 2021

Date

Date: Oct. 22, 2021

RE: Dollar Tree – Mt. Dora, FL
Applications for Permits and Approvals

TO: Whom it May Concern

FRP Properties LLLP (the "Owner") is in the process of submitting applications for permits and approvals located at SE Corner of Robie Ave and US 441, Mt. Dora, FL (the "Site")

I hereby authorize Kimley-Horn and Associates, Inc. (the "Engineer") and Dynamic Commercial Real Estate Advisors (the "Applicant") to act as agents of the Owner for the purpose of obtaining permits and approvals related to the renovation of the Site.

In such capacity, the Engineer's authority is expressly limited to signing and delivering applications for permits and approvals that are related to the renovation of the Site and to advancing nominal funds on the Owner's behalf as required to file such applications. The Engineer is not authorized to negotiate on the Owner's behalf or to bind or obligate the Owner in any manner whatsoever, including without limitation accruing any obligations on the Owner's behalf to pay for or construct improvements without additional authorization in writing from the Owner.

Sincerely,

Chris Berens

Name: CHRIS BERENS
Title: GENERAL PARTNER
Company: FRP PROPERTIES

NOTARY

County of Lake

State of Florida

The foregoing instrument was acknowledged before me this 22 day of October, 2021 by Christopher Berens of FRP Properties, who is (personally known to me) or who has produced identification and who did not take an oath.

NOTARY PUBLIC:

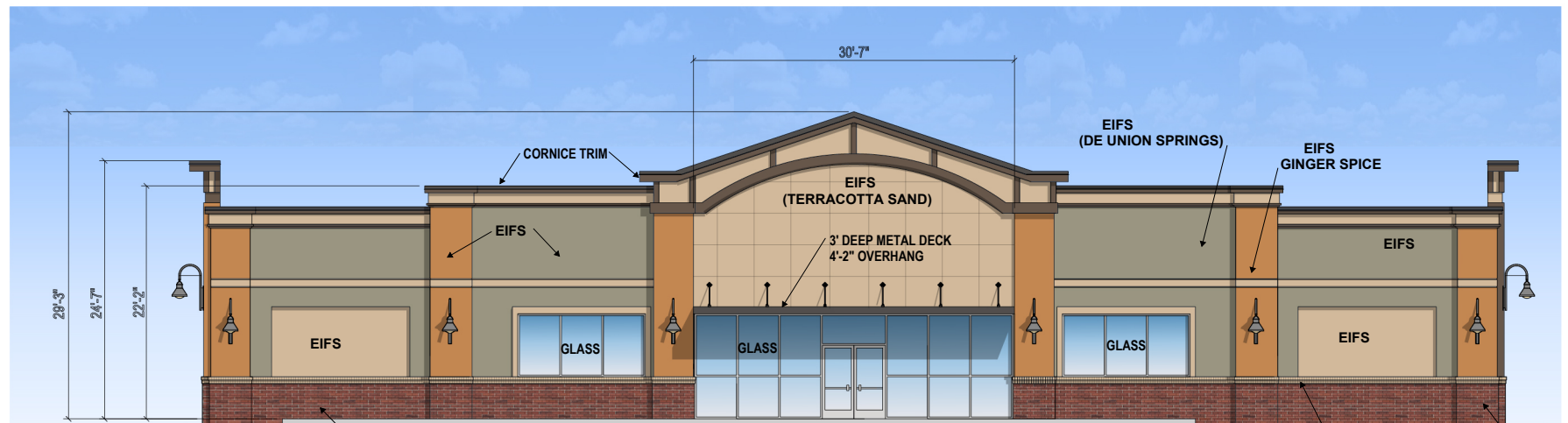
[Signature]

My Commission Expires:

04/15/2023

Print Name: Dhruvil Shah



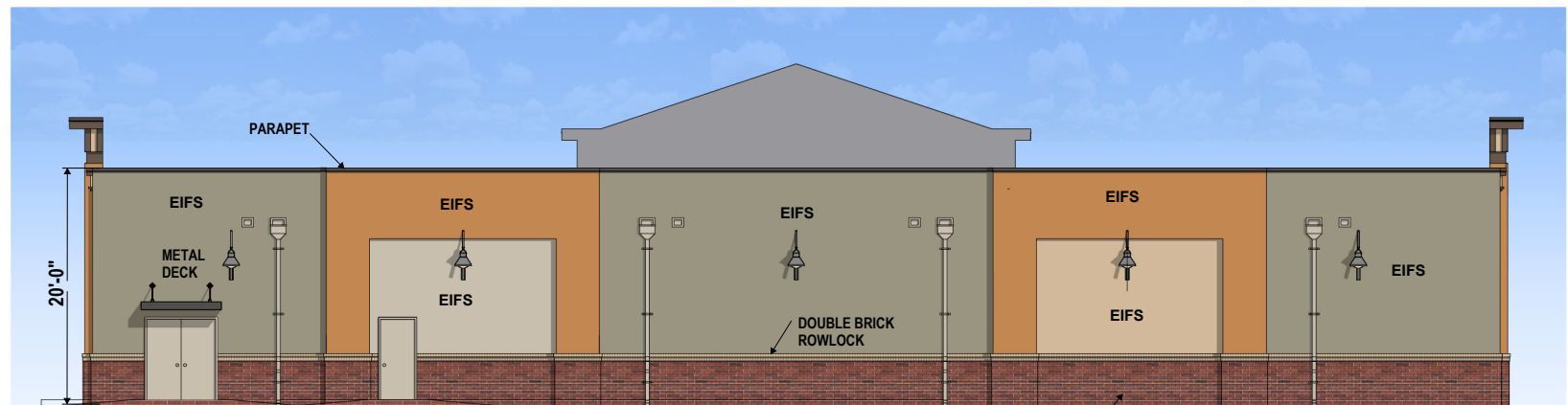


WEST ELEVATION

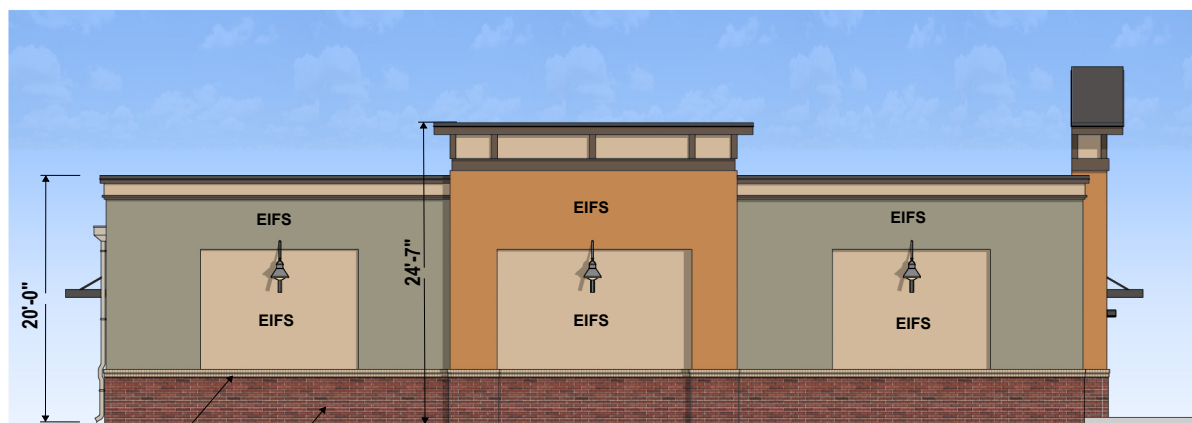


SOUTH ELEVATION

PILASTERS - 4" PROJECTION
DECK - 4' PROJECTION
WAINSCOT - 4' TO TOP OF BRICK ROWLOCK
CORNICE TRIM - 4" PROJECTION



EAST ELEVATION

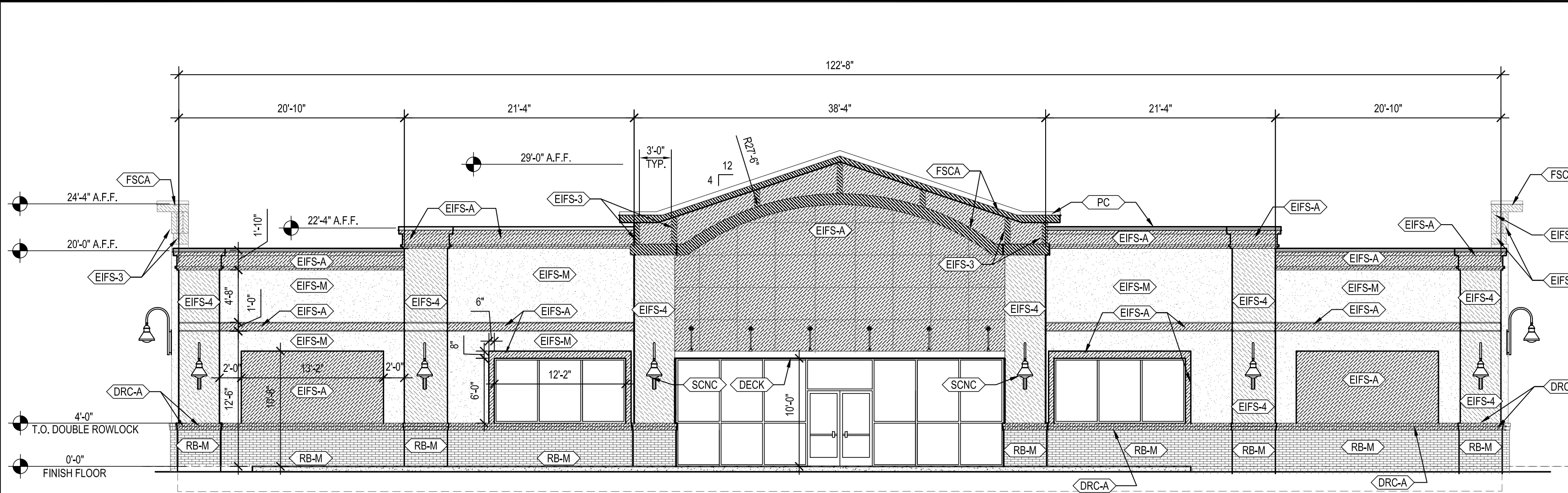


NORTH ELEVATION

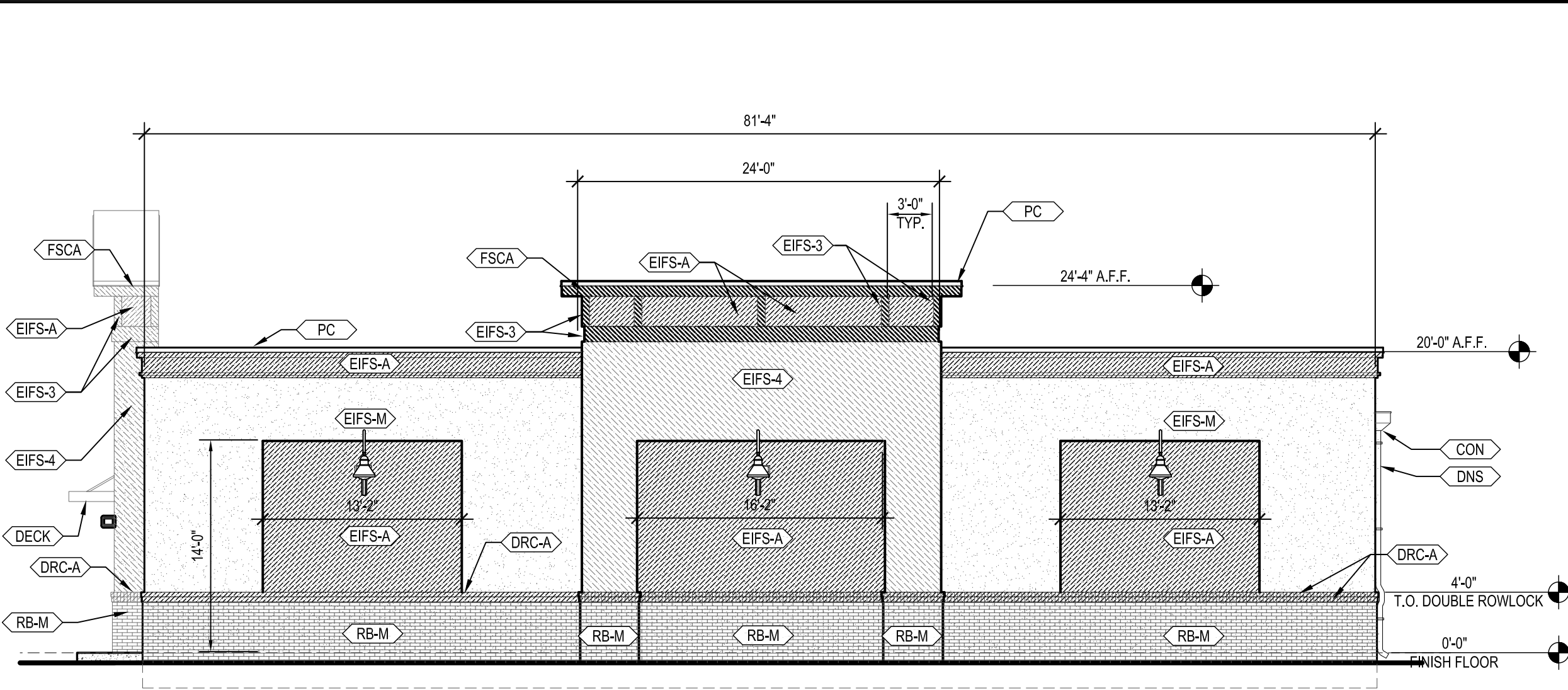
MT. DORA, FL

Dollar Tree - Fee Dev

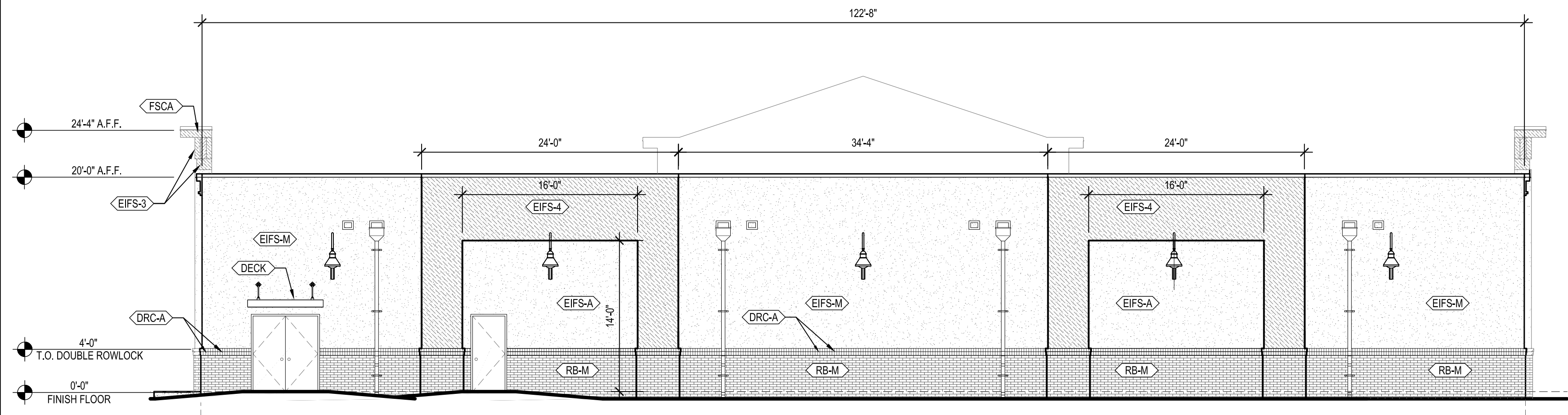




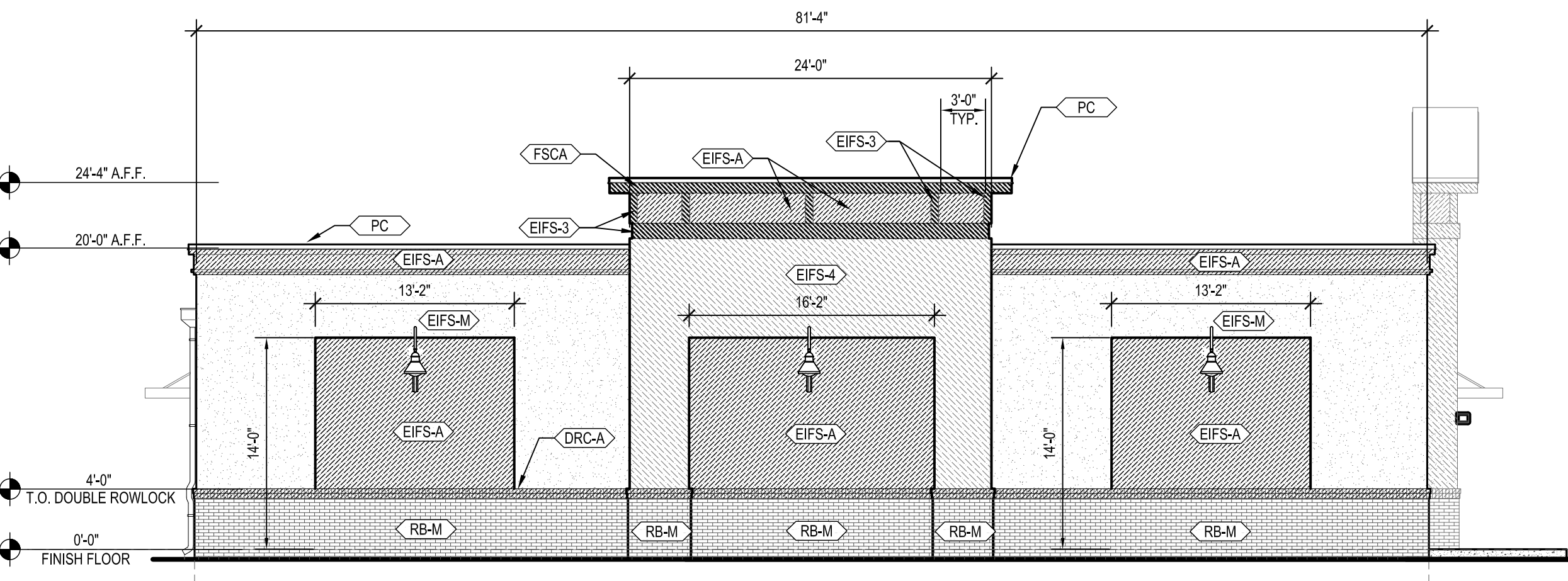
1 WEST ELEVATION
A-2.0 SCALE: 1/8"=1'-0"



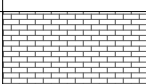
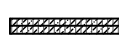
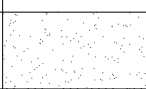
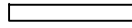
2 SOUTH ELEVATION
A-2.0 SCALE: 1/8"=1'-0"



3 EAST ELEVATION
A-2.0 SCALE: 1/8"=1'-0"

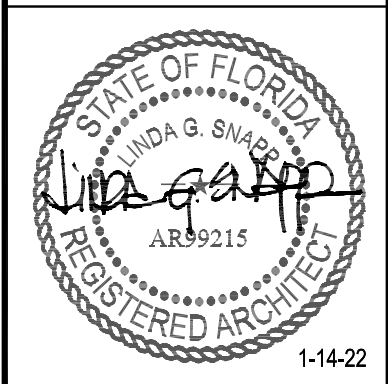


4 NORTH ELEVATION
A-2.0 SCALE: 1/8"=1'-0"

ELEVATION LEGEND			
KEYNOTE	HATCH	DESCRIPTION	COLOR
<RB-M>		MODULAR BRICK - RUNNING BOND - MAIN COLOR	H.C. MUDDOX BRICK - BRONZE RIDGE (SUBMIT SAMPLES FOR APPROVAL)
<DRC-A>		MODULAR BRICK - DOUBLE ROWLOCK COURSE - ACCENT COLOR	H.C. MUDDOX BRICK - FROSTED ALMOND (SUBMIT SAMPLES FOR APPROVAL)
<EIFS-M>		EIFS - MAIN COLOR (FINISH - PRODUCT STO 310)	STO DE 'UNION SPRINGS' - DE6243
<EIFS-A>		EIFS - ACCENT COLOR (FINISH - PRODUCT STO 310)	STO DE 'TERRACOTTA SAND' - DE6136
<EIFS-3>		EIFS - COLOR 3 (FINISH - PRODUCT STO 310)	STO DE 'WILD MUSTANG' - DEA161
<EIFS-4>		EIFS - COLOR 4 (FINISH - PRODUCT STO 310)	STO DE 'GINGER SPICE' - DE5271
<FSCA>		3/4" x 12" FIBER CEMENT FASCIA (PAINT SOFFIT TO MATCH)	DUNN EDWARDS 'WILD MUSTANG' - DEA161
<PC>	N/A	24 GAUGE GALVANIZED METAL PARAPET CAP	SHERWIN WILLIAMS - 'ENVY' - SW6925
<DNS>	N/A	4"x4" GALVANIZED METAL DOWNSPOUT W/ 3 STRAPS	PAINT TO MATCH ADJACENT EIFS & BRICK - USE: 'UNION SPRINGS' DE6243 OVER 'EIFS-M', 'TEDDY BEAR' - DE6131 OVER 'DRC-A', & 'RUDDY OAK' - DE5188 OVER 'RB-M'
<CON>	N/A	8"x16" GALVANIZED METAL CONDUCTOR HEAD & THRU WALL FLASHING W/ ADJACENT OVERFLOW	PAINT TO MATCH ADJACENT EIFS - USE: 'UNION SPRINGS' DE6243 OVER 'EIFS-M'
<DECK>	N/A	3'-0" METAL DECK CANOPY - HANGER ROD SUPPORTED W/ 8" FASCIA - SUPPLIED & INSTALLED BY SIGN VENDOR - GC TO PROVIDE & INSTALL WALL BOLTS (SEE SPECS) (SEE A-1.0 FOR LENGTHS & APPLICABLE DETAILS)	SHERWIN WILLIAMS - 'ENVY' - SW6925
<SCNC>		NEL LED WALL SCONCE @ 8'-8" A.F.F. (SEE ELECTRICAL)	DARK BRONZE
<D&F>	N/A	STEEL DOOR & HOLLOW METAL FRAME	DOOR 400 - DUNN EDWARDS 'UNION SPRINGS' DE6243 DOOR 401 - DUNN EDWARDS 'TERRACOTTA SAND' - DE6136
(A)	STOREFRONT TYPE (REFER TO SHEET A-3.0)		
(500)	DOOR NUMBER (REFER TO SHEET A-3.1)		
(MCJ)	MASONRY CONTROL JOINT - RAKE & CAULK JOINT		
		PAINTING NOTES: METAL- (2) COATS OF S-W METALTEX ACRYLIC SEMI-GLOSS (B42 SERIES) (OR EQUAL DUNN-EDWARDS PRODUCT)	
		LINTELS- PAINT STOREFRONT LINTELS / BREAK METAL PER 'METAL' NOTE ABOVE WITH ADJACENT DUNN EDWARDS COLOR ABOVE AFTER PRIMING WITH (1) COAT OF S-W PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER (B66-310 SERIES) (OR EQUAL DUNN-EDWARDS PRODUCT)	

REV	DATE	BY	DESCRIPTION

PROJECT NUMBER:	2105-04
DRAWN BY:	LGS
CHECKED BY:	
ISSUE DATE:	





FOR

DEVELOPER

APPLICANT

ARCHITECT

SURVEYOR

GEOTECHNICAL CONSULTANT

STORMWATER

UTILITIES

COMMUNICATIONS

ROADWAY

OWNER

CIVIL ENGINEER

LANDSCAPE ARCHITECT

ENVIRONMENTAL CONSULTANT

BUILDING DIVISION

PLANNING AND DEVELOPMENT

CITY OF MOUNT DORA

ELECTRIC PROVIDER

ROADWAY

VICINITY



Sheet Number

LD 1.04

LP 1.01

LP 3.01

LT 1.01

LT 3.01

11.01

41.01

LI 3.01

LI 3.02

DESCRIPTION: THE NORTHEAST ¼ OF THE NORTHWEST ¼ OF THE SOUTHWEST ¼ OF THE SOUTHWEST ¼ OF SECTION 33, TOWNSHIP 19 SOUTH, RANGE 27 EAST, IN LAKE COUNTY, FLORIDA, LESS AND EXCEPT THAT PART THEREOF LYING WITHIN THE RIGHT OF WAY OF STATE ROAD 500 AS CONVEYED TO THE STATE OF FLORIDA, BY DEED RECORDED IN OFFICIAL RECORD BOOK 112, PAGE 142, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA.

Sunshine811

Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked.

Check positive response codes before you dig!

Kimley»Horn
© 2021 KIMLEY-HORN AND ASSOCIATES, INC.
4445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM CA 0000696

DOLLAR TREE
MOUNT DORA, FL

REV	DATE	BY	DESCRIPTION
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PROJECT NUMBER: 14766700

FRANCHISE:

PHENOLIC RESIN

ISSUE DATE:



SHEET TITLE:

COVER SHEET

SHEET NUMBER

C=0.0

1. THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, AND SHALL CONSTRUCT THE PROJECT PRIOR TO COMMENCING WORK, AND, UNLESS OTHERWISE NOTED, ALL WORK SHALL CONFORM AS APPLICABLE TO THESE STANDARDS AND SPECIFICATIONS, AS WELL AS THE STANDARDS AND STANDARDS OF THE CITY OF MOUNT DORA AND LAKE COUNTY AS APPLICABLE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, INCLUDING THE CITY OF MOUNT DORA, AND THE STATE OF FLORIDA, AND GRADING AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETED/REMOVED MATERIAL.
3. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE DESIGN. THE ENGINEER HAS NOT BEEN AND IS NOT BEING VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ANY UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY OBSTRUCTION OF ANY EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY OBSTRUCTION AND SHORING OF SAME, IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY OR STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THEIR PERMISSION CONCERNING REGARDING THE METHOD TO USE FOR SUCH WORK.

4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING (U.S. 65.06) UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT MANDATES THAT EXCAVATION/DRUCK TRACERS SHALL CONTACT SUNSHINE #1 (PKA: SUNSHINE STATE) AND THE CITY OF GAITHERSBURG AT 410.311.8100 OR 815.471.2200, TWO (2) BUSINESS DAYS PRIOR TO BEGINNING ANY EXCAVATION OR DEMOLITION TO ALLOW MEMBER AGENCIES TO CONDUCT NECESSARY FIELD SURVEYS AND TO BE NOTIFIED OF ANY FACILITIES AND APPROPRIATELY RESPONSE TO THE POSITIVE RESPONSE SYSTEM."
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
7. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CITY OF GAITHERSBURG. NO CHANGES OR NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER.
8. ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE CITY OF GAITHERSBURG, OWNER, AND DESIGN ENGINEER OF RECORD DIRECTLY FROM THE TESTING AGENCY.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE CITY OF MOUNT DORA AND DESIGN ENGINEER A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA DEFENDING THE SURVEY TO THE CITY OF MOUNT DORA AND ALL CITY AGENCIES AND TO BE APPROVED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTOR'S RESPONSIBILITY.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING ALL INFORMATION OF ANY CONSTRUCTION OR IMPROVEMENTS OR DISCREPANCIES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF RECORD. THE CITY OF GAITHERSBURG WILL BE NOTIFIED OF ANY AS-BUILT DRAWING SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.
11. ANY VEHICLES DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PLUGGED BY A CERTIFIED VEHICLE PLUGGER OR A LICENSED MECHANIC. IF THE CONTRACTOR HAS NO JURISDICTIONAL AGENCIES, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONED PERMITS REQUIRED.
12. ANY WELL DISCOVERED DURING EARTH MOVING OR CONSTRUCTION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY OF GAITHERSBURG AND THE CITY OF THE SITE WORK THAT WOULD BE AFFECTED, FAILURE TO NOTIFY OWNER OF AN IMPROVEMENT OR CONFLICT MAY BE CONSIDERED A VIOLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.

1. ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.
2. REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING UTILITIES, STRUCTURES, ASPHALT DRIVEWAYS, PAVEMENTS, AND ALL APPURTENANCES ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL MATERIALS FROM THIS CONTRACT. SOME ITEMS ARE TO BE REMOVED MAY NOT BE DELETED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INQUIRY THE SITE AND UTILITIES. IF THE CONTRACTOR HAS ANY QUESTIONS, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
3. THE CONTRACTOR SHALL REFER TO THE DEMOLITION PLAN FOR DEMOLITION/PRESERVATION OF EXISTING ITEMS. ALL ITEMS NOT SPECIFICALLY SHOWN TO BE PRESERVED OR RELOCATED SHALL BE REMOVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.

ALL PAVING, CONSTRUCTION, MATERIALS AND WORKSMANSHIP WITHIN THE FLORIDA DEPARTMENT OF TRANSPORTATION OR COUNTY'S RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC WORKS, LATEST EDITION OR FDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) NOT COVERED BY THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC WORKS.

ALL UNPAVED AREAS IN **EXISTING** RIGHTS-OF-WAY OBTAINED BY CONSTRUCTION SHALL BE REGRADED AND SLOODED.

TRAFFIC CONTROL ON ALL FDOT, LOCAL AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL AID ROAD PROGRAM, 2003) AND THE MANUAL OF TRAFFIC CONTROL DEVICES, HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE SPECIFICATIONS AND REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.

THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER ANY **RAINFALL** UNTIL A GRASS STRIP IS WELL ESTABLISHED OR REVEGETATION IS COMPLETED.

ALL AREAS **INDICATED** AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS.

WHERE **EXISTING** PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT A **MINIMUM 2"** DEEP FOR A SMOOTH AND STRAIGHT JOINT TO BE MADE WITH THE EXISTING PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS **EXISTING** OR AS **INDICATED**.

WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE **EXISTING** PAVEMENT A **MINIMUM 2"** DEEP FOR A SMOOTH AND STRAIGHT JOINT TO BE MADE WITH THE EXISTING PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS **EXISTING** OR AS **INDICATED**. ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.

THE CONTRACTOR SHALL INSTALL **FILTER FABRIC** OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. THE DRAINAGE STRUCTURES SHALL BE PROTECTED AND MAINTAINED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.

IF DEFERRING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE AND REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE DESIGN ENGINEER PRIOR TO ANY DEFERRAL.

15. STRIP TOPSOIL AND ORGANIC MATERIAL FROM ALL AREAS OF THE SITE AS REQUIRED. IN SOME CASES TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN 14 DAYS OF DISCOURSED GRASS PLANTING.
16. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY OR TO DOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE CONTRACTOR SHALL CONSULT THE LOCAL GOVERNMENT.
17. ALL OPEN AREAS WITHIN THE PROJECT SITE SHALL BE SOODED UNLESS INDICATED OTHERWISE ON THE LANDSCAPE PLAN, ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AREAS SHALL THEN BE SOODED AND SEEDING AS SPECIFIED IN THE PLANS. DISTURBED AREAS MUST BE WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS NOT MAINTAINED UNTIL GRASS GROWTH IS ESTABLISHED SHALL BE RESEEDING AND CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL EARTHEN AREAS WILL BE SOODED OR SEEDED AND MULCHED AS SHOWN ON THE LANDSCAPE PLAN.
18. ALL CUT OR FILL SLOPES SHALL BE 4:1 (HORIZONTAL) : 1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SHOWN.
19. SOIL, WHERE CALLED FOR, MUST BE INSTALLED AND MAINTAINED ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY. SOIL MUST BE PROTECTED FROM SCUMING REPAIR UPON REQUEST BY WATER MANAGEMENT DISTRICT REPRESENTATIVES.
20. THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE ENVIRONMENTAL RESOURCE PERMIT COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE CONTRACTOR MUST MAINTAIN A COPY OF THE PERMIT ON REQUEST BY WATER MANAGEMENT DISTRICT REPRESENTATIVES.
21. THE CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS DO NOT COME INTO CONTACT WITH ANY HAZARDOUS MATERIAL. THE CONTRACTOR SHALL ALSO EXCAVATE AND REMOVE ALL HAZARDOUS MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER.
22. THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORM WATER PIPING PER MANUFACTURER'S RECOMMENDATIONS.

[illegible]

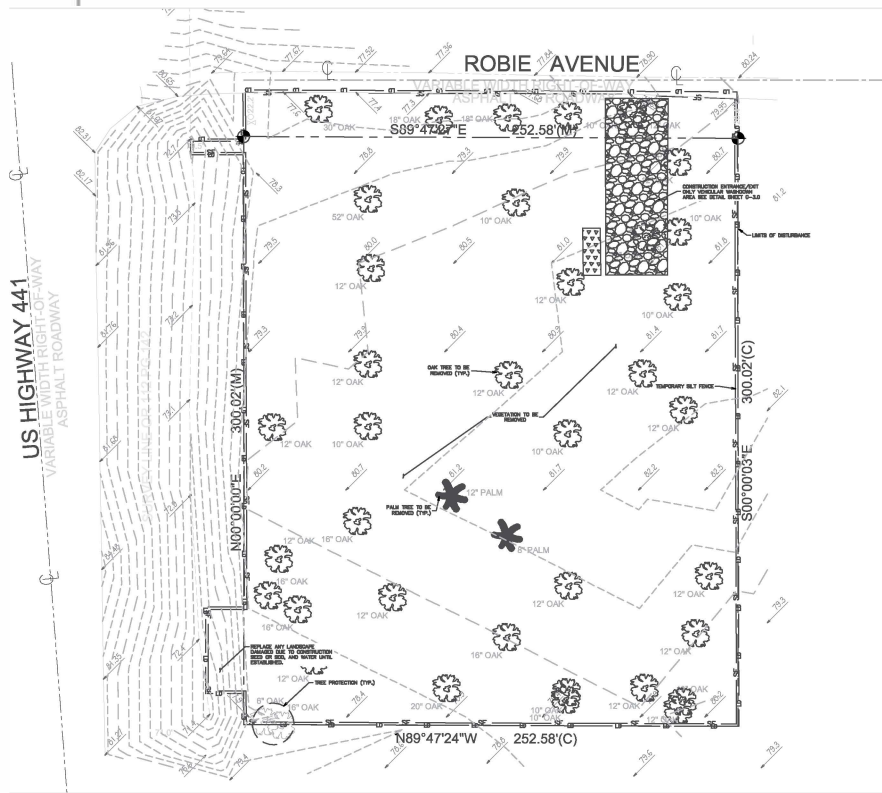
Plotted By:Blasco, Daniel Sheet Set:DOLLAR TREE MOUNT DORA Layout:C-1.0 GENERAL NOTES Apr 01, 2022 11:18:06am

 DESCRIPTION |

TEST NUMBER
C-1.0

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Check positive response codes before you dig!



NOTE

1. INSTALL SILT FENCE AT ALL CURRENT CONSTRUCTION PHASE BOUNDARIES AS EACH CONSTRUCTION PHASE IS BEING DISTURBED.
2. SPILL KIT MUST BE PROVIDED ONSITE DURING ENTIRE DURATION OF THE PROJECT OR UNTIL REMOVAL IS APPROVED BY AHW. SPILL KIT MUST BE APPROPRIATE FOR SCOPE OF WORK AND EQUIPMENT ONSITE.
3. ELEVATIONS ARE BASED UPON

MAINTENANCE (ALL PHASES)

ALL MEASURES STATED ON THIS SITE MAP, AND IN THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE CONTRACTOR/PRIMARY PERMITEE. THESE MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

- INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR
DETERRIORATION.
ALL SIEDES SHALL BE CHECKED REGULARLY TO SEE IF GOOD DRAINAGE IS MAINTAINED. AREAS SHOULD BE
FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
ALL REPIRED SHALL BE REPIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE
DRAINAGE BASIN AS NECESSARY TO MAINTAIN PROPER DRAINAGE.
THE CONSTRUCTION EROSION SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO
PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION AREAS AS CONDITIONS
WARRANT.
THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND
STORAGE) THROUGHOUT THE CONSTRUCTION PERIOD. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE
OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS. AT ALL TIMES,
SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY
50%.

A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH THE CITY OF MOUNT DORA PRIOR TO THE INSTALLATION OF BMPs AND MOBILIZING TO THE SITE. THE CONTRACTOR SHALL HALT ALL ACTIVITIES AND CONTACT THE CONSULTANT TO PERFORM INSPECTION AND CERTIFICATION OF BMPs. GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT STORM WATER PRE-CONSTRUCTION MEETING WITH ENGINEER AND ALL GROUND-DISTURBING CONTRACTORS BEFORE

CONTRACTOR TO BE RESPONSIBLE FOR COMPLYING WITH DEWATERING PERMIT CONDITIONS OR MODIFYING PERMIT AS NECESSARY TO ACCOMMODATE UNFORSEEN SITE CONDITIONS.

AFTER GRADING AND DURING CONSTRUCTION

1. START WITH THE INSTALLATION OF BMPs.
2. BEGIN GRADING, INSURE GRADE TO ESTABLISH PROPOSED DRAINAGE PATTERN.
3. START CONSTRUCTION OF THE BUILDING PAD AND STRUCTURES.
4. TEMPORARILY BEEP THROUGHOUT CONSTRUCTION, DISTURBED AREAS THAT WILL BE INACTIVE FOR A PERIOD OF 90 DAYS OR MORE.
5. INSTALL UTILITIES, UNDERDRAINS, STORM DRAINAGE, AND CURBS.
6. INSTALL IN-LET PROTECTION AT ALL STORM DRAIN INLETS AS HOW INLET IS INSTALLED, PERMANENTLY STABILIZED AREAS TO BE VEGETATED TO PREVENT EROSION AND LOSS OF FERTILITY.
7. PREPARE SITE FOR PAVING AND PAVE SITE.
8. INSTALL IN-LET PROTECTION DEVICES FOR PAVED AREAS AS WORK PROGRESSES.
9. COMPLETE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.
10. CONTACT CIVIL ENGINEER ONCE THE SITE APPEARS TO BE FULLY STABILIZED.
11. REMOVE ALL TEMPORARY UNDERDRAINS AND SEEDS AND SOILS AFTER INSPECTION AND APPROVAL OF THE ENGINEER AND STABILIZE ANY AREA DISTURBED BY THE REMOVAL OF BMPs.
12. CONCLUDE REQUIRED INSPECTION REPORTS UNTIL THE FINAL INSPECTION IS SIGNED OFF BY THE JOB SUPERVISOR.

SOIL EROSION / SEDIMENTATION CONTROL OPERATION TIME SCHEDULE

FOUNDATION / BUILDING CONSTRUCTION								
LANDSCAPING/SEED/FINAL STABILIZATION								

LEGEND



CONSTRUCTION EXIT



CONCRETE WASHOUT



SILT FENCE



NORT

GRAPHIC SCALE IN FEET

A horizontal number line with tick marks at 0, 15, 30, and 60. The region between 15 and 30 is shaded gray.

- [illegible]

DEWATERING (ALL PHASES)

1. DURING ANY EXCAVATION, THE CONTRACTOR MUST CONSTRUCT A SEDIMENT BASIN TO PROVIDE A DISCHARGE POINT FOR DEWATERING. THE SEDIMENT BASIN CAN BE IN THE PROPOSED EXCAVATION AREA FOR EXFILTRATION OR IT CAN BE A BERMED AREA ABOVE GROUND. ALL DEWATERING MUST BE HELD IN THE SEDIMENT BASIN.
2. UNDER NO CIRCUMSTANCES WILL THE DISCHARGE FROM THE DEWATERING BE DISCHARGED OFF-SITE.
3. IF THE CONTRACTOR ENCOUNTERS SILT/SANDY SAND, WHICH CAUSE THE WATER TO BECOME TURBID, HE/SHE SHALL TREAT THE SEDIMENT BASIN WITH CHEMICAL, ADDITIVE SUCH AS ALUMINUM IN ORDER TO PROMOTE THE COAGULATION OF THE PARTICLES WHICH ALLOW THE PARTICLES TO SETTLE AND THE WATER TO BECOME LESS TURBID.
4. THE CONTRACTOR SHALL SEQUENCE THE EXCAVATION OF THE SANITARY SEWER SYSTEM SUCH THAT A SEDIMENT BASIN WILL BE AVAILABLE AT ALL TIMES. THE SEDIMENT BASIN BEING NO-TURBID AND ACCEPTABLE FOR DISCHARGE OFF-SITE.

- [illegible]

- [illegible]

Kimley»Horn

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445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM CA 00000596

DOLLAR TREE

MOUNT DORA, FL

DESCRIPTION

[illegible]

PROJECT NUMBER: 147667009
 DRAWN BY: SCS
 CHECKED BY: _____
 ISSUE DATE: _____

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MELIBE S. THOMAS, P.J., ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

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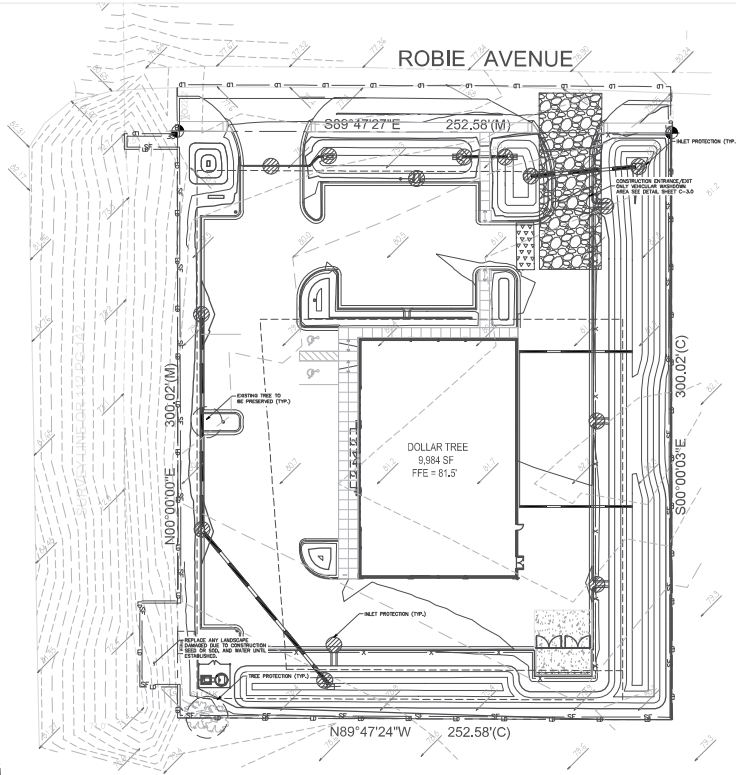
Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked.

SHEET TITLE

SHEET NUMBER:

C- 0

US HIGHWAY 441

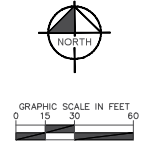


LEGEND

- CONSTRUCTION EXIT
- CONCRETE WASHOUT
- INLET PROTECTION
- SILT FENCE
- LIMITS OF DISTURBANCE
- TREE PROTECTION

NOTES

- PLEASE REFER TO NOTES ON SHEET C2.1.



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WWW.KIMLEY-HORN.COM CA 00009986

DOLLAR TREE
MOUNT DORA, FL

REVISION LOG	
REVISION	DESCRIPTION

PROJECT NUMBER: 1479670209
DESIGNED BY: SCS
CHECKED BY:
ISSUE DATE:



SHEET TITLE:
EROSION CONTROL
PHASE II

SHEET NUMBER:
C-2.1

Address: 16100 S. Doral Street, Sun Dolar Tree, Mount Dora, FL 32827
Project: 16100 S. Doral Street, Sun Dolar Tree, Mount Dora, FL 32827
Notes: April 01, 2022 - 11:18:26am - 16100 S. Doral Street, Sun Dolar Tree, Mount Dora, FL 32827
Revision: 16100 S. Doral Street, Sun Dolar Tree, Mount Dora, FL 32827

PROJECT NAME: DOLLAR TREE - MOUNT DORA, FL LATITUDE: N 28° 47' 21" LONGITUDE: W 81° 37' 27" OWNER: DOLLAR TREE STORES, INC. OWNER'S ADDRESS: 500 VULVO PARKWAY CHESAPEAKE, VA 23320
DESCRIPTION OR NATURE OF CONSTRUCTION ACTIVITY: CONSTRUCTION OF INFRASTRUCTURE FOR NEW GENERAL RETAIL COMMERCIAL BUILDING SOIL DISTURBING ACTIVITIES INCLUDING: CONSTRUCTION OF EROSION AND SEDIMENT CONTROLS, CLEARING AND GRUBBING, GRADING, AND CONSTRUCTION OF A STORM SEWER. PROJECT AREA CONTAINS 11.75 ACRES. SEQUENCE OF MAJOR ACTIVITIES: 1. REFER TO SHEET C-2.0 FOR BEST MANAGEMENT PRACTICES SEQUENCES
NAME OF RECEIVING WATER: NONE
CONTROLS EROSION AND SEDIMENTATION CONTROLS SILT FENCES SHALL BE PREPARED TO THEIR ORIGINAL CONDITION IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-QUARTER (1/4) THE HEIGHT OF THE SILT FENCE.
STABILIZATION PRACTICES TEMPORARY STABILIZATION: TOP OF SOIL STOCK PILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 21 DAYS WILL BE STABILIZED WITH TEMPORARY GRASS AND MULCH NO LATER THAN 5 DAYS FROM THE LAST CONSTRUCTION ACTIVITY. GRASS SEED SHALL BE A MIXTURE OF 20 PARTS OF PENNSYLVANIA SEED AND 80 PARTS OF PENNSYLVANIA BAHIA. THE SEED MIXTURE SHALL BE THOROUGHLY DRY MIXED IMMEDIATELY BEFORE SPREADING. SEED WHICH HAS BECOME WET SHALL NOT BE USED. THE MULCH MATERIAL USED SHALL NORMALLY BE DRY MULCH. DRY MULCH SHALL BE STRAW OR HAY, CONSISTING OF ONE (1) PILE OF WHEAT STRAW OR OF PENNSYLVANIA SEED, CONSISTING OF ONE (1) PILE OF WHEAT STRAW OR OF PENNSYLVANIA SEED. ONLY UNDISTURBED MULCH WHICH CAN BE READILY STABILIZED AND BASED. PERMANENT STABILIZATION: DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASES SHALL BE STABILIZED PER LANDSCAPE PLAN NO LATER THAN 5 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY.
STRUCTURAL PRACTICES STAKED SILT FENCE: THE STAKED SILT FENCES WILL BE CONSTRUCTED PER PLAN. THESE DEVICES WILL STOP AND DIVERT RUNOFF TO THE SEDIMENT BASINS.
STORMWATER MANAGEMENT STORMWATER DRAINAGE WILL BE PROVIDED BY CURBING, FLUMES, AND CATCH BASIN SCALES FOR THE DEVELOPED AREAS. WHEN CONSTRUCTION IS COMPLETE THE IMPROVED PORTION OF THE SITE WILL BE TREATED ON-SITE WITH AN EXISTING DRY RETENTION POND TO THE EAST AND SOUTH OF THE SUBJECT PROPERTY.
OTHER CONTROLS WASTE DISPOSAL WASTE MATERIALS: ALL WASTE MATERIAL WILL BE COLLECTED AND STORED IN DUMPSTERS PER LOCAL AGENCIES REGULATIONS. ALL TRUCKS AND CONSTRUCTION EQUIPMENT FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTERS. THE DUMPSTERS WILL BE EMPTIED A MINIMUM OF ONCE A WEEK OR MORE OFTEN IF NECESSARY, AND THE TRASH WILL BE HAULED TO A REGISTERED LANDFILL OR DISPOSAL. NO CONSTRUCTION MATERIALS WILL BE BURIED ON-SITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED IN THE ON-SITE OFFICE TRAILER AND THE CONSTRUCTION MANAGER RESPONSIBLE FOR THE DAY-TO-DAY-SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED. HAZARDOUS WASTE: ALL HAZARDOUS WASTE MATERIALS, IF ENCOUNTERED, WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. SANITARY WASTE: ALL SANITARY WASTE WILL BE COLLECTED FROM PORTABLE UNITS A MINIMUM OF THREE TIMES PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR, AS REQUIRED BY LOCAL REGULATION.
OFFSITE VEHICLE TRACKING STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREETS WILL BE CLEANED AS NEEDED TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM OR TO THE SITE WILL BE COVERED WITH A TARPULIN AT ALL TIMES.

TIMING OF CONTROL MEASURES AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, STAKED SILT BARRIERS, STABILIZED CONSTRUCTION ENTRANCES AND SEDIMENT BASINS WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 5 DAYS WILL BE STABILIZED WITH A TEMPORARY GRASS AND MULCH WITHIN 5 DAYS OF THE LAST DISTURBANCE. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN THAT AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SOD. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE TRAPS AND THE STAKED SILT BARRIERS WILL BE REMOVED.
CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS THE STORM WATER POLLUTION PREVENTION PLAN REFLECTS THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (SRWMD) REQUIREMENTS FOR STORM WATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL, AS ESTABLISHED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). CHAPTER 62-260, F.S., TO ENFORCE COMPLIANCE, THIS PLAN WAS PREPARED IN ACCORDANCE WITH SRWMD'S TRAILS OF SURFACE WATER MANAGEMENT PERMIT APPLICATIONS WITHIN THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT. THIS PLAN ALSO REFLECTS THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.
MAINTENANCE INSPECTION PROCEDURES EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES THESE ARE THE INSPECTION AND MAINTENANCE PRACTICES THAT SHALL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROL. ALL CONTROL MEASURES IN DISTURBED AREAS WILL BE INSPECTED AT LEAST ONCE EACH WEEK AND WITHIN 24 HOURS OF THE END OF ANY STORM EVENT OF 0.25 INCHES OR GREATER BY A CONTRACTORS REPRESENTATIVE. (WHERE SITES HAVE BEEN FINALLY STABILIZED SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH). ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT. BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS BEEN REACHED ONE-FOURTH THE HEIGHT OF THE FENCE. SILT FENCE WILL BE INSPECTED REGULARLY FOR DEPTH OF SEDIMENT. LEAKS TO SEE IF THE FENCE IS LEAKING. AT THE END OF EACH TEMPORARY STABILIZATION PERIOD, THE FENCE SHALL BE REMOVED. BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES TO PERCENT OF THE DESIGN CAPACITY. AT THE END OF EACH TEMPORARY STABILIZATION PERIOD, THE FENCE SHALL BE REMOVED. BUILT UP SEDIMENT WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH. A MAINTENANCE INSPECTION REPORT SHALL BE MADE AFTER EACH INSPECTION BY THE CONTRACTOR. PERSONNEL SELECTED FOR MAINTENANCE RESPONSIBILITIES WILL BE TRAINED BY THE SITE SUPERINTENDENT. THEY WILL BE TRAINED IN ALL MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ON-SITE IN GOOD WORKING ORDER.
NON-STORM WATER DISCHARGES NON-STORM WATER DISCHARGES SHOULD BE DIRECTED TO ON-SITE RETENTION SYSTEM WHEN POSSIBLE. IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES MAY OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD: WATER FROM FIRE FIGHTING ACTIVITIES, FIRE HYDRANT FLUSHING, WATER LINE FLUSHING, WATER USED TO SPRAY OFF LOOSE SOILS FROM VEHICLES, DUST CONTROL, PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED). ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE. GROUNDWATER DEWATERING ACTIVITIES ARE NOT COVERED BY THIS PERMIT. THE CONTRACTOR MUST APPLY FOR COVERAGE UNDER THE GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUNDWATER FROM ANY NON-CONTAMINATED SITE ACTIVITY PURSUANT TO 62-601.000(2), F.A.C.
INVENTORY FOR POLLUTION PREVENTION PLAN THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED, BUT NOT LIMITED, TO BE PRESENT ON-SITE DURING CONSTRUCTION: CONCRETE DETERGENTS PAINTS (ENAMEL AND LATEX) METAL STUDS GLASS TAR FERTILIZERS PETROLEUM BASED PRODUCTS AND FUELS CLEANING SOLVENTS WOOD MASONRY BLOCK POPPING SHINGLES STONE
SPILL PREVENTION MATERIAL MANAGEMENT PRACTICES THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF. GOOD HOUSEKEEPING: THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ON-SITE DURING THE CONSTRUCTION PROJECT. AN EFFORT SHALL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB. ALL MATERIALS STORED ON-SITE SHALL BE STORED NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER CONTAINED ENCLOSURE. PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL MANUFACTURER'S LABELED CONTAINERS. SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER. WHENEVER POSSIBLE, ALL OF A PRODUCT SHALL BE USED UP BEFORE DISPOSING OF THE CONTAINER. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED. THE SITE SUPERINTENDENT SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON-SITE. HAZARDOUS PRODUCTS: THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS. PRODUCTS SHALL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHALL BE RETAINED. THEY CONTAIN IMPORTANT PRODUCT INFORMATION. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS OF PROPER DISPOSAL SHALL BE FOLLOWED. THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ON-SITE: PETROLEUM PRODUCTS: ALL ON-SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ON-SITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. FERTILIZERS: FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER, ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAG OF FERTILIZER WILL BE TRANSFERRED TO THE RESEALABLE PLASTIC BIN TO AVOID SPILLS. PAINTS: ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS. CONCRETE TRUCKS: CONTRACTOR SHALL DESIGNATE AN AREA FOR DISCHARGE OF SURPLUS CONCRETE OR BRIM WASH WATER AND SHALL INSTALL A CONTAINMENT BERM AROUND THIS AREA TO PREVENT RUNOFF TO THE REMAINDER OF THE SITE. HARD DEBRIS SHALL BE DISPOSED OF BY CONTRACTOR UPON COMPLETION OF THE PROJECT.

SPILL CONTROL PRACTICES IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP: MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ON-SITE. EQUIPMENT AND MATERIALS WILL INCLUDE, BUT NOT BE LIMITED TO, BROOMS, DUST PANS, MOPS, RAGS, GLOVES, DROGLES, KITTY LITTER, SAND, SANDUST AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. THE SPILL AREAS WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE. SPILLS OF TOXIC OR HAZARDOUS MATERIALS WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEAN UP MEASURES WILL ALSO BE INCLUDED. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ON-SITE.																																							
NOTICE OF INTENT (NOI) / NOTICE OF TERMINATION (NOT) THIS NOTICE OF INTENT (NOI) FORM IS TO BE COMPLETED AND SUBMITTED TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) BEFORE USE OF THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES PROVIDED IN SUBSECTION 62-601.000(4), F.A.C. A NOTICE OF TERMINATION WILL BE SUBMITTED TO EPA AFTER THE CONSTRUCTION HAS BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION.																																							
POLLUTION PREVENTION PLAN CERTIFICATION I CERTIFY UNDER PENALTY OF LAW THAT THESE CONSTRUCTION PLANS, THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM AS SHOWN ON THESE CONSTRUCTION PLANS, DESIGNED TO ASSURE THAT APPROPRIATE POLLUTION PREVENTION MEASURES ARE IMPLEMENTED DURING CONSTRUCTION AND TO ASSURE THAT THE QUALIFIED PERSONNEL, PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. OWNER: SIGNED: _____ NAME AND TITLE: _____ COMPANY: _____ ADDRESS: _____ NAME AND TITLE: _____ DATE: _____																																							
CONTRACTOR'S CERTIFICATION I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERIC STORM WATER PERMIT ISSUED PURSUANT TO SECTION 602.000(6), F.S., THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATE WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION. <table><thead><tr><th>SIGNATURE</th><th>FOR</th><th>RESPONSIBLE FOR</th></tr></thead><tbody><tr><td>COMPANY: _____</td><td>COMPANY: _____</td><td></td></tr><tr><td>NAME: _____</td><td>NAME: _____</td><td></td></tr><tr><td>TITLE: _____</td><td>TITLE: _____</td><td></td></tr><tr><td>DATE: _____</td><td>DATE: _____</td><td></td></tr><tr><td>COMPANY: _____</td><td>COMPANY: _____</td><td></td></tr><tr><td>NAME: _____</td><td>NAME: _____</td><td></td></tr><tr><td>TITLE: _____</td><td>TITLE: _____</td><td></td></tr><tr><td>DATE: _____</td><td>DATE: _____</td><td></td></tr><tr><td>COMPANY: _____</td><td>COMPANY: _____</td><td></td></tr><tr><td>NAME: _____</td><td>NAME: _____</td><td></td></tr><tr><td>TITLE: _____</td><td>TITLE: _____</td><td></td></tr><tr><td>DATE: _____</td><td>DATE: _____</td><td></td></tr></tbody></table>	SIGNATURE	FOR	RESPONSIBLE FOR	COMPANY: _____	COMPANY: _____		NAME: _____	NAME: _____		TITLE: _____	TITLE: _____		DATE: _____	DATE: _____		COMPANY: _____	COMPANY: _____		NAME: _____	NAME: _____		TITLE: _____	TITLE: _____		DATE: _____	DATE: _____		COMPANY: _____	COMPANY: _____		NAME: _____	NAME: _____		TITLE: _____	TITLE: _____		DATE: _____	DATE: _____	
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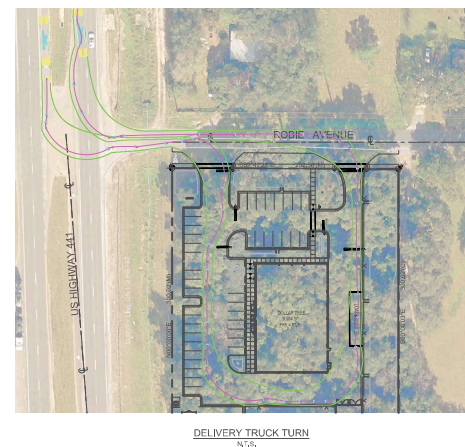
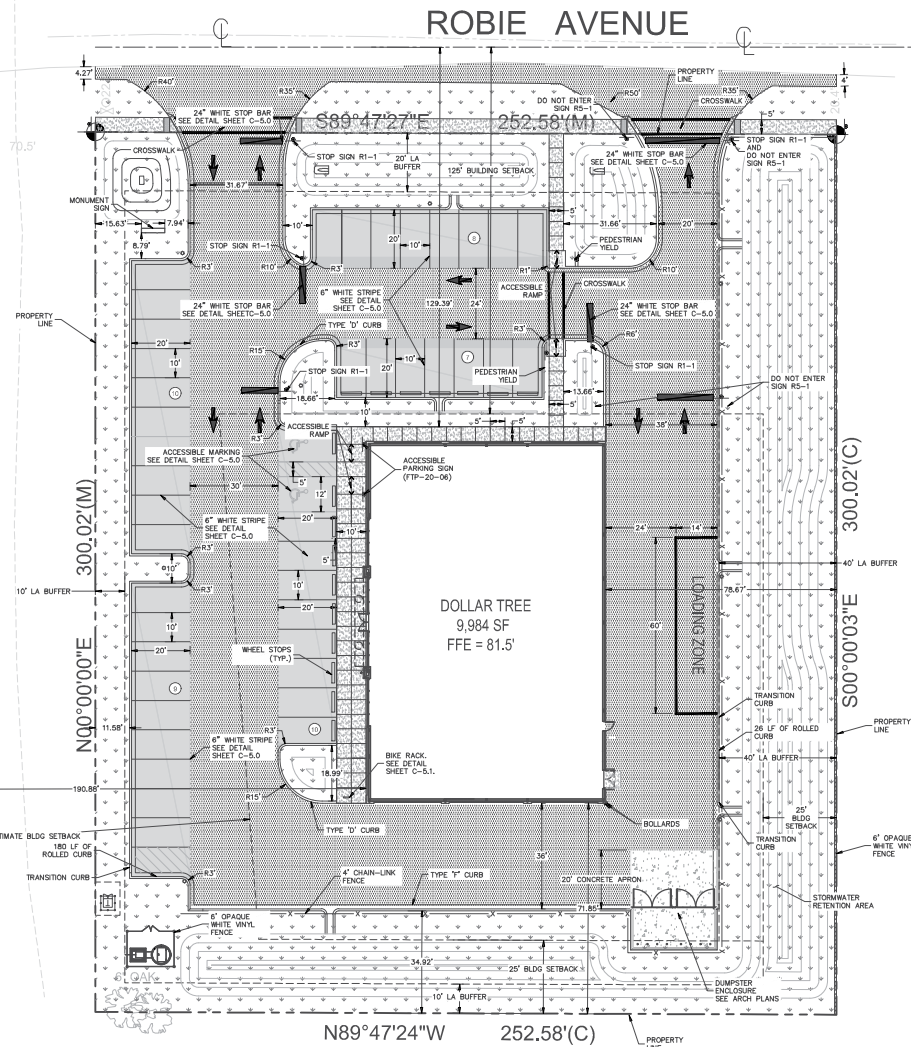
DOLLAR TREE
MOUNT DORA, FL

REVISION LOG
REV. DATE BY DESCRIPTION

PROJECT NUMBER: 1476570209
OWNER: SCS
CHECKED BY:
ISSUE DATE:
MELBIE S. THOMAS
No. 66528
STATE OF FLORIDA
PROFESSIONAL ENGINEER
4/1/22

SHEET TITLE:
EROSION CONTROL NOTES

SHEET NUMBER:
C-3.1



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CONSTRUCTION DOCUMENTS WERE NOT PREPARED IN STATE PLANE COORDINATES AND HAS BEEN APPROXIMATED BASED ON AERIAL IMAGERY. CONTRACTOR TO FIELD VERIFY AND COORDINATE WITH ESTABLISHED BENCHMARKS.

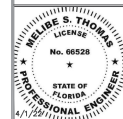
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DOLLAR TREE
MOUNT DORA, FL

[illegible]

PROJECT NUMBER:	147687008
DRAWN BY:	SCS
CHECKED BY:	
ISSUE DATE:	



SHEET TITLE:
SITE PLAN

SHEET NUMBER:
C-4.0

STORM DRAINAGE CONSTRUCTION NOTES

1. ALL STORM SEWER PIPE SHALL BE REINFORCED CONCRETE UNLESS APPROVED BY THE CITY ENGINEER.
2. STORM DRAINAGE PIPES SHALL BE A MINIMUM OF FIFTEEN (15) INCH DIAMETER (18" FOR SHORT LATERAL RIMS ONLY - UP TO 75 FEET; ALL OTHERS, 18" MINIMUM) OR EQUIVALENT AND BE DESIGNED IN ACCORDANCE WITH THE FOOT DRAINAGE MANUAL.
3. ALL PIPE TERMINUS SHALL BE MITERED END SECTIONS UNLESS A HEADWALL IS APPROVED FOR RESTRICTED LOCATIONS.
4. UNLESS OTHERWISE NOTED, ALL STRUCTURES SHALL MEET FOOT STANDARDS.
5. STORM INLETS, MANHOLES, AND CATCH BASINS SHALL BE EITHER POURED IN PLACE OR PRE-CAST REINFORCED CONCRETE. STRUCTURES SHALL BE REQUIRED AT EACH CHANGE OF PIPE SIZE, CHANGE IN PIPE DIRECTION, OR PIPE MATERIAL.
6. STORM INLETS SHALL BE SPACED IN SUCH A MANNER AS TO ACCEPT ONE HUNDRED (100) PERCENT OF THE DESIGN STORM RUNOFF PER FOOT DRAINAGE MANUAL.
7. MAXIMUM DISTANCES BETWEEN INLETS AND/OR MANHOLES:

PIPE SIZE (INCHES)	LENGTH RUN (FEET)	
16	75 *	See Note 2, Above.
18	100	
24	200	
30	300	
36	300	
48	600	
64 or greater	900	

8. ALL SWALES, DITCHES MAXIMUM SIDE AND BACK SLOPES MUST NOT BE GREATER THAN 3 TO 1.
9. NORMAL ROADSIDE SWALES SHALL BE CONSTRUCTED TO A MAXIMUM DEPTH OF 18" BELOW THE OUTSIDE EDGE OF PAVEMENT OR CONCRETE CURB.
10. CONCRETE EROSION CONTROL MUST BE PROVIDED WHERE SWALES OR CULVERTS INTERCEPT DRAINAGE DITCHES.
11. WHEN A POND IS INCORPORATED WITHIN A SUBDIVISION, THE POND SHALL BE ON A SEPARATE TRACT OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION. WHERE SUCH PONDS EXIST AND ARE BOUNDED IN WHOLE OR IN PART BY STREETS, A STRIP OF LAND NOT LESS THAN FIFTEEN (15) FEET WIDE ADJUTING EACH STREET RIGHT-OF-WAY SHALL BORDER THE POND.

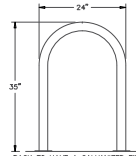


**STORMWATER
GENERAL NOTES**

ST0001-1A

ISSUED: 2017

REVISION: -

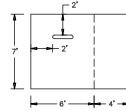


RACK TO HAVE A GALVANIZED FINISH
AND BE SURFACE MOUNTED UNLESS
OTHERWISE NOTED

DERO BIKE RACK CO.,
304 MALCOLM AVENUE SE
MINNEAPOLIS, MN 55414
PHONE: 800-891-9298
HOOP RACK
(OR APPROVED EQUAL)

BICYCLE RACK

N.T.S.



SPACE REQUIREMENTS AND CLEARANCES

PLACEMENT CONSIDERATIONS:
IF RACKS ARE TO BE PLACED IN "PARALLEL,"
PLEASE ALLOW A MINIMUM OF 30" (INCHES) ON
CENTER TO ALLOW SPACING BETWEEN BICYCLES.

IF RACKS ARE TO BE PLACED IN "SERIES,"
PLEASE ALLOW 14" ON CENTER OF SPACING
BETWEEN THE RACKS. THIS PERMITS 6" (FEET)
CLEARANCE FOR BICYCLES ON EACH RACK WITH
A 4" (FEET) COMMON AREA IN BETWEEN FOR
INGRESS AND EGRESS.

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WWW.KIMLEY-HORN.COM CA 02000906

DOLLAR TREE

MOUNT DORA, FL

REV	DATE	BY	DESCRIPTION

PROJECT NUMBER: 147657029
OWNER: SCS
CHECKED BY:
ISSUE DATE:

SHEET TITLE:
SITE DETAILS

SHEET NUMBER:
C-5.1

Plotted by: Melissa Dandridge, Sheet Set: DOLLAR TREE, MOUNT DORA, Layout: C-6.1 FIRE ACCESS EXHIBIT, April 01, 2022, 11:19:22am, as: V:\WB_455\Dollar Tree\11-Mount Dora\11-000\Plots\Sheet\C-6.1 SITE PL.dwg

US HIGHWAY 441

SURVEY LINE OR 112 PG 142

71.0'

EXISTING FIRE
HYDRANT

N00°00'00"E 300.02'(M)

6" OAK

N89°47'24"W 252.58'(C)

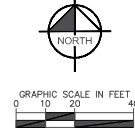
ROBIE AVENUE

S89°47'27"E 252.58'(M)

DOLLAR TREE
9,984 SF
FFE = 81.5'

300' FIRE HYDRANT RADIUS

S00°00'03"E 300.02'(C)



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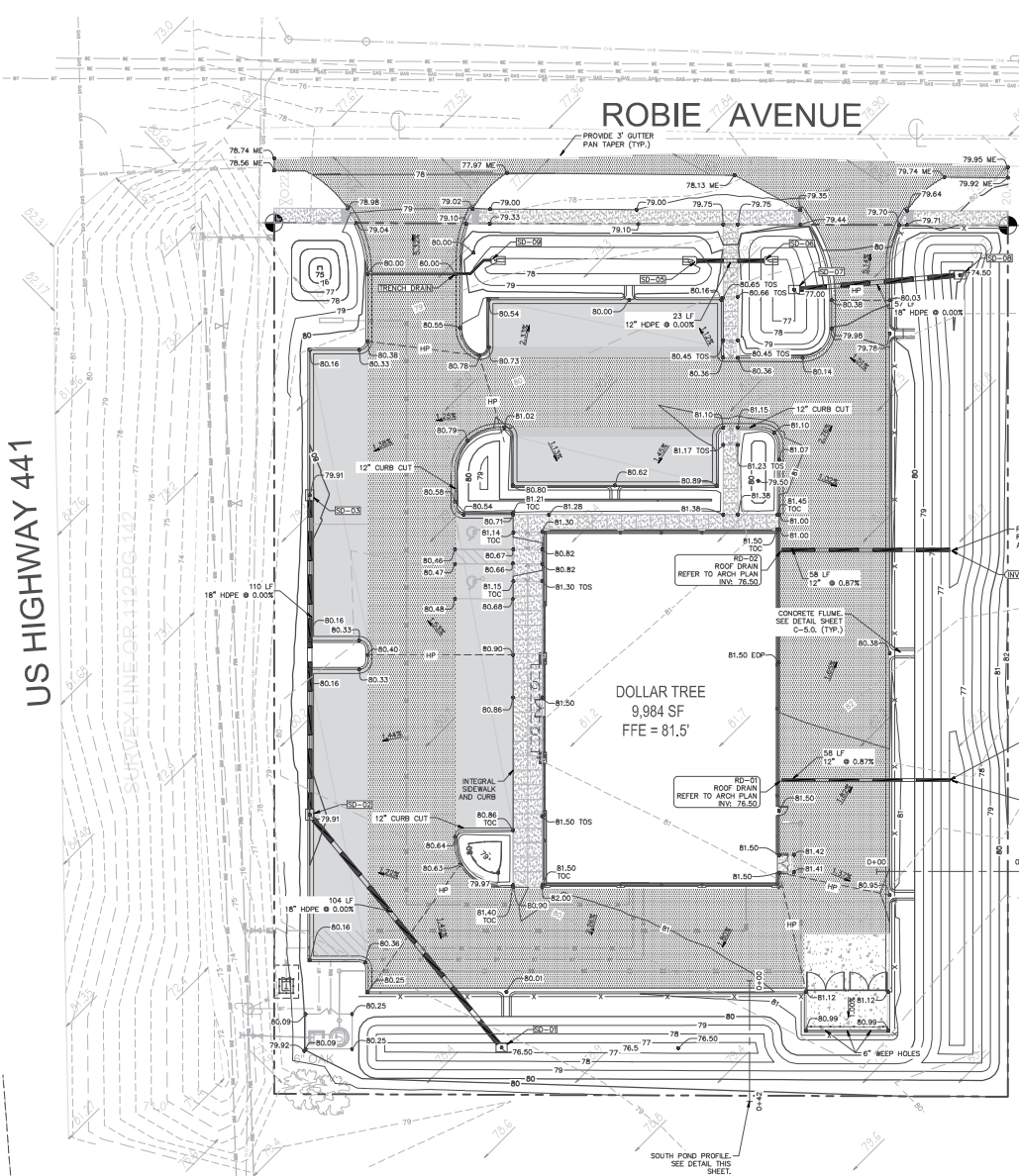
DOLLAR TREE
MOUNT DORA, FL

REV	DATE	BY	DESCRIPTION

PROJECT NUMBER: 147657029
OWNER: SCS
CHECKED BY:
ISSUE DATE:

SHEET TITLE:
FIRE ACCESS
EXHIBIT

SHEET NUMBER:
C-6.1

[illegible]

POND PROFILE EAST
N.T.S.

STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
24	NULL STRUCTURE RMR: 78.54 INV NR: 78.00 INV OUT: 78.00
25	NULL STRUCTURE RMR: 78.54 INV NR: 78.00 INV OUT: 78.00
SD-01	TYPE C INLET W/ J-BOTTO FOOT STD PLAN 425-024, 425-010 RMR: 78.50 INV NR: 72.00
SD-02	TYPE STD INLET W/ J-BOTTO FOOT STD PLAN 425-024, 425-010 RMR: 79.91 INV OUT: 72.00
SD-03	TYPE C INLET W/ J-BOTTO FOOT STD PLAN 425-024, 425-010 RMR: 79.91 INV OUT: 73.00
SD-05	MITERED END SEC FOOT STD PLAN 430-021, 430-022 RMR: 79.91 INV NR: 78.00
SD-06	MITERED END SEC FOOT STD PLAN 430-021, 430-022 RMR: 79.91 INV OUT: 78.00
SD-07	TYPE C INLET W/ J-BOTTO FOOT STD PLAN 425-024, 425-010 RMR: 77.75 INV NR: 71.00
SD-08	TYPE C INLET W/ J-BOTTO FOOT STD PLAN 425-024, 425-010 RMR: 78.54 INV OUT: 71.00
SD-09	MITERED END SEC FOOT STD PLAN 430-021, 430-022 RMR: 78.54 INV NR: 78.00
TRENCH DRAIN	FOOT STD PLAN 436-020 RMR: 78.54 INV NR: 78.00

	CONCRETE SIDEWALK
	CONCRETE PAVEMENT
	ASPHALT PAVEMENT - 1
	ASPHALT PAVEMENT - 2
	TYPE "F" CURB AND GUTTER
	TYPE "D" CURB
	FLOW DIRECTION
	HIGH POINT / BREAK LINE
TOS	TOP OF SIDEWALK
TOC	TOP OF CURB
MA	MATCH EXISTING
EOP	EDGE OF PAVEMENT
TOB	TOP OF BANK
BOP	BOTTOM OF POND

[illegible]

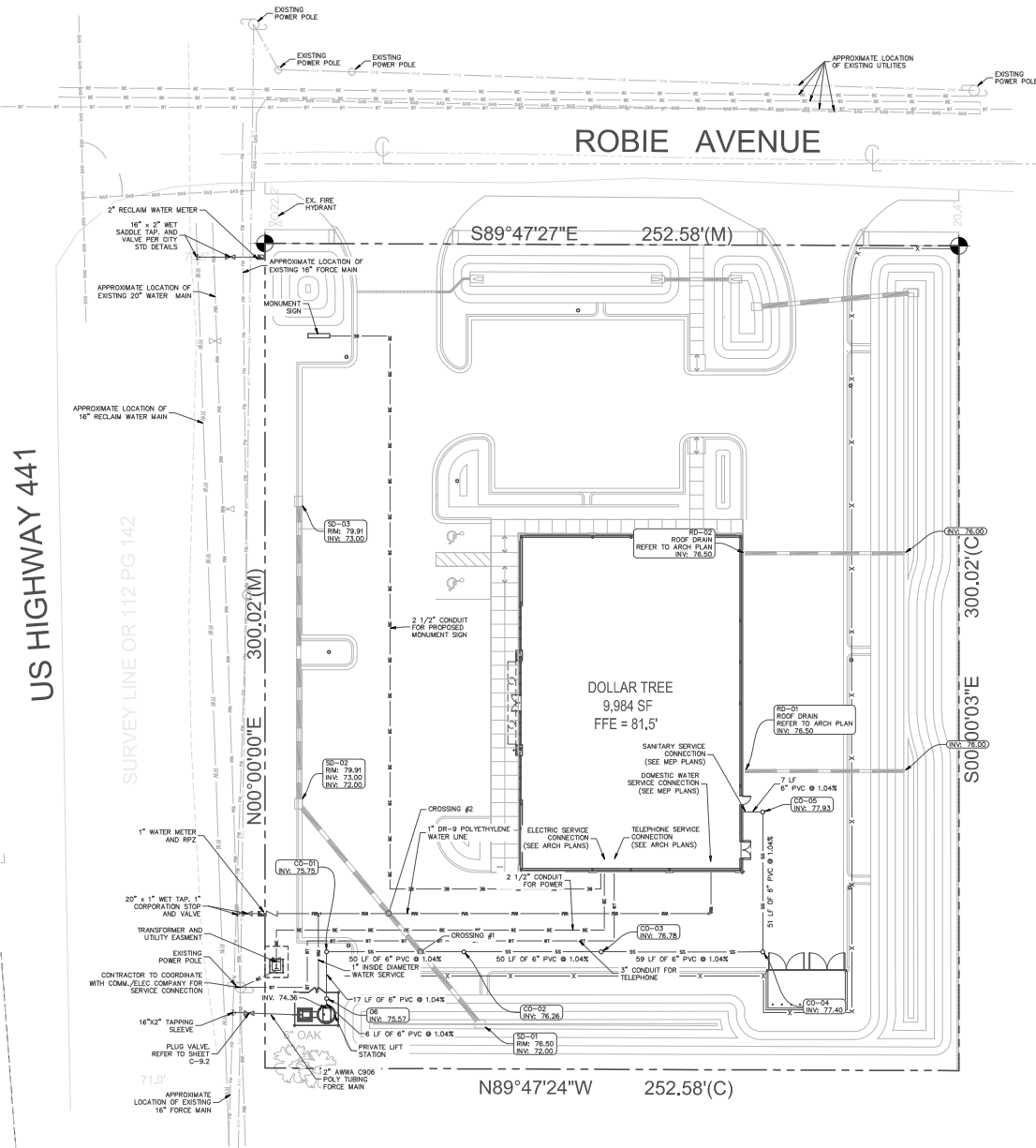
1. CONTRACTOR TO CONSTRUCT DRAINAGE STRUCTURES WITH U/S GRATES, RISERS AND COVERS AS CALLED OUT OR APPROVED ALIKE. SPILL DRAMINGS ARE TO BE MAINTAINED AS PER THE CITY OF CHICAGO SPECIFICATIONS. THE CONTRACTOR TO REFLECT TO THE CITY DESIGN STANDARD AND NOT LIMITED TO THE FOLLOWING: 10.21.27.28.29.30.31.32.33.34.35.36.37.38.39.40.41.42.43.44.45.46.47.48.49.50.51.52.53.54.55.56.57.58.59.60.61.62.63.64.65.66.67.68.69.70.71.72.73.74.75.76.77.78.79.80.81.82.83.84.85.86.87.88.89.90.91.92.93.94.95.96.97.98.99.100.
2. ALL GRATE DRAINAGE STRUCTURES SHALL BE CONSTRUCTED WITH (1) SEED BENDING AND (2) SLOPE TO DRAINAGE STRUCTURE.
3. CONTRACTOR TO VERIFY ALL EXISTING UTILITY PIPES AND COVERS ON SITE ARE PROTECTED AND NOT DAMAGED BY THE CONSTRUCTION OF THE DRAINAGE STRUCTURES WITH HEAVY DUTY TOPPED RATED RISERS AND COVERS. CONTRACTOR TO PROTECT ALL EXISTING UTILITY PIPES AND COVERS FROM DAMAGE DURING CONSTRUCTION.
4. ALL EXISTING GRASSES SHOULD BE MAINTAINED FOR EXISTING 2% CROSS SLOPE. BODILYMASS AND CROSSLANDS SHALL NOT EXCEED 2% CROSS SLOPE NOR 10% SIDE SLOPE. ALL GRASS AREAS SHALL BE MAINTAINED WITH A MINIMUM OF 2% IN ANY DIRECTION. IN CASES OF SIDEWALKS/LANEWAYS AT BUILDING PATIARCES, SIDEWALKS/LANEWAYS SHALL BE MAINTAINED WITH A MINIMUM OF 2% IN ANY DIRECTION. IN CASES OF SIDEWALKS/LANEWAYS AT BUILDING PATIARCES, SIDEWALKS/LANEWAYS SHALL BE MAINTAINED WITH A MINIMUM OF 2% IN ANY DIRECTION.
5. ALL CONCRETE CONNECTIONS TO DRAINAGE PIPE SHALL BE AS FOLLOWS:
 - A. FOR 48" OR LARGER CONNECTIONS TO POLYESTER DRAINAGE PIPE, USE AISI 304 DUAL WALL, 10' MIN. RATED REINFORCED CONCRETE.
 - B. FOR 36" RCP DRAINAGE PIPE, MOVE CONNECTION INTO DRAINAGE TIE 280 CONCRETE DRAINAGE TIE.
 - C. NOTIFY CONSULTANT FOR CONNECTION METHOD TO STEEL PIPE.
 - D. FOR 36" OR LARGER CONNECTIONS TO 36" OR LARGER DRAINAGE PIPE, USE AISI 304 DUAL WALL, 10' MIN. RATED REINFORCED CONCRETE.
 - E. FOR 36" OR LARGER DRAINAGE PIPE, 48" OR LARGER DRAINAGE PIPE, WRAPPED IN 2" MIN. THICKNESS OF MATERIAL.
6. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, CONTRACTOR SHALL REPAIR OR REPLACE THE SAME TO ORIGINAL CONDITION OR EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
7. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES, CONSTRUCTION OF NEW STRUCTURES, AND REPAIRS TO EXISTING STRUCTURES.
8. EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SLT AND DEBRIS.
9. ALL SLOPE PIPE, EXISTING STRUCTURES SHALL BE GRADED TO ASSURE PROPER DRAINAGE AT STRUCTURE.
10. ALL STORM SEWER MANHOLE IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND ALL STORM SEWER MANHOLE IN UNPAVED AREAS SHALL BE FLUSH WITH GRAVEL.
11. ALL AREAS SHALL BE ABOVE FINISH GRADE. UPS SHALL BE BUSHED TO "FORM GRADE".
12. ALL CATCH BASINS WITHIN PROPOSED TRAFFIC AREAS SHALL HAVE CYCLETS.
13. CONTRACTOR TO FLUSH AND VACUUM UP THE ON-SITE STORM WATER SYSTEM.

Sunshine811
Call 811 or www.sunshine811.com two business days before digging to have utilities located and marked.

[illegible]

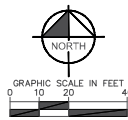
SHEET NUMBER:
C-7.0

As noted by Missouri, David Street, San Dolan Tree, Mount Dora, 10001515-10 UTILITY PLAN, April 01, 2022, 11:21:23am, K:\MR_10001515\10 UTILITY PLAN\10001515-10 UTILITY PLAN.dwg



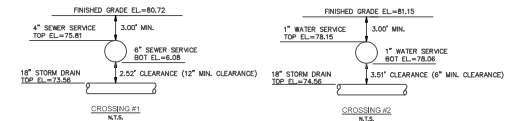
LEGEND

- WATER LINE
- SANITARY SEWER LINE
- BURIED TELEPHONE SERVICE
- OVERHEAD ELECTRICITY
- RECLAIMED WATER MAIN
- BURIED ELECTRIC SERVICE
- CLEANOUT
- MANHOLE
- WATER METER AND RPZ
- LIGHT POLE



UTILITY NOTES

1. ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
2. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 3 BUSINESS DAYS BEFORE CONNECTING TO ANY EXISTING LINE.
3. SANITARY SEWER PIPE SHALL BE AS FOLLOWS:
 - a. IF PVC SDR35 PER ASTM D 3034, FOR PIPES LESS THAN 12\"/>
4. WATER LINES SHALL BE AS FOLLOWS:
 - a. 8\"/>
5. MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
6. ALL WATER JOINTS ARE TO BE MECHANICAL JOINTS AS APPROVED BY THE CITY OF MOUNT DORA.
7. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3\"/>
8. IN THE EVENT OF A VERTICAL CONNECTION BETWEEN WATER LINES, SANITARY LINES, STORM LINES AND GAS LINES (EXISTING AND PROPOSED), THE SANITARY LINE SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS AT LEAST 3\"/>
9. UNDERGROUND LINES SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
10. TOPS OF EXISTING MANHOLES SHALL BE RIMMED AS NECESSARY TO BE FLUSH WITH PROPOSED FINISHED ELEVATION WITHIN PAVED AREAS AND TO BE ONE FOOT ABOVE FINISHED GROUND ELEVATIONS WITHIN UNPAVED AREAS.
11. ALL CONCRETE FOR ENGAGEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000 P.S.I.
12. EXISTING UTILITIES SHALL BE LOCATED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
13. REFER TO INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
14. CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL AUTHORITIES (CITY OF MOUNT DORA) WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SANITARY LINES.
15. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. FLORIDA LAW (FS 350) UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT MANDATES THAT EDUCATION CONTRACTORS SHALL CONTRACT SUNSHINE 811 P.A. SUNSHINE STATE ONE-CALL OF FLORIDA BY CALLING 800-432-4770 OR BY AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING ANY EXCAVATION OR REMEDIATION TO ALLOW MEMBER OPERATORS AN OPPORTUNITY TO IDENTIFY AND MARK THEIR UNDERGROUND FACILITIES AND APPROPRIATELY RESPOND TO THE MEMBER RESPONSE SYSTEM. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
16. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES. THE AND THE FINAL CONNECTIONS OF THE SERVICE SHALL BE COMPLETED 30 DAYS PRIOR TO STORE POSSIBLE.
17. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
18. REFER TO BUILDING PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING WATER MAINS, FORCE MAINS, SANITARY SEWER AND STORM MAINS AND MAINTAIN MINIMUM CLEARANCES BETWEEN WATER MAINS AND OTHER UTILITIES AT ALL POINTS ALONG THEIR LENGTH AS REQUIRED IN THE PLANS, DETAILS AND SPECIFICATIONS.
20. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES.
21. THE ENTIRE FIRE SERVICE FROM BUILDING TO CONNECTION POINT IS TO BE INSTALLED BY A LICENSED UTILITY CONTRACTOR HOLDING A "CONTRACTOR V" LICENSE IN ACCORDANCE WITH CH. 486 OF THE FLORIDA STATUTES.
22. ALL UTILITY MAIN LENGTHS SHOWN ARE APPROXIMATE.
23. INFORMATION BASED UPON SURVEY DATED 30TH MARCH 20TH, 2021 BY DRAL DAN SURVEYING, LLC AND ELEVATIONS ARE BASED UPON NAVD 83 DATUM.



CONSTRUCTION DOCUMENTS WERE NOT PREPARED IN STATE PLANE COORDINATES AND HAS BEEN APPROXIMATED BASED ON AERIAL IMAGERY, CONTRACTOR TO FIELD VERIFY AND COORDINATE WITH ESTABLISHED BENCHMARKS.

Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked.
Check positive response codes before you dig!

Kimley»Horn
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445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 888-772-7722
WWW.KIMLEY-HORN.COM CA 0200906

DOLLAR TREE
MOUNT DORA, FL

REVISION LOG			
REV	DATE	BY	DESCRIPTION

PROJECT NUMBER: 147670209
OWNER: SCS
CHECKED BY: [Signature]
ISSUE DATE: [Date]



SHEET TITLE
UTILITY PLAN

SHEET NUMBER
C-9.0



STANDARD CONSTRUCTION DETAIL

GENERAL NOTES

GU001-1A

ISSUED: 2017

REVISION: -

1. THE PUBLIC SERVICES DEPARTMENT MUST BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO ANY WORK ON EXISTING CITY OF MOUNT DORA UTILITIES. THE CONTRACTOR MUST CONTACT JOSH KRAMM, UTILITY LINE MANAGER AT HIS OFFICE (352) 735-7151 OR CELL PHONE (352) 516-3691, DISTRIBUTION SUPERVISOR - OFFICE (352) 735-7151 OR CELL PHONE (352) 460-7222, RUSSELL HOPPER, COLLECTION & LIFT STATION SUPERVISOR - OFFICE (352) 735-7151 OR CELL PHONE (352) 979-2022.

2. NO GRADING, CUTTING, OR RILLING SHALL COMMENCE UNTIL SUCH TIME AS APPROPRIATE EROSION AND SEDIMENTATION CONTROL DEVICES HAVE BEEN INSTALLED BETWEEN THE DISTURBED AREA AND WATER BODIES, WATERCOURSES OR WETLANDS.

3. CONSTRUCTION MUST BE PER THE DRC APPROVED SITE PLAN. DEVIATIONS IN ROADWAY, UTILITY OR DRAINAGE CONSTRUCTION WILL REQUIRE WRITTEN APPROVAL OF THE CITY ENGINEER OR THE DIRECTOR OF PUBLIC SERVICES. (NOTE: SIGNIFICANT CHANGES FROM THE DRC APPROVED PLAN MAY REQUIRE THE OWNER/DEVELOPER TO SUBMIT A REVISED SITE PLAN THROUGH THE DRC FOR REVIEW.)

4. CONTRACTOR SHALL PROVIDE AN EMERGENCY CONTACT NUMBER LIST FOR KEY SITE PERSONNEL.

5. ENGINEER OF RECORD REVIEWED SHOP DRAWING SUBMITTALS ARE REQUIRED FOR ALL WATER/ SEWER/ RECLAIMED AND STORMWATER SYSTEMS TO BE DEDICATED TO THE CITY OF MOUNT DORA. TWO SETS ARE REQUIRED FOR REVIEW. ONE SET WILL BE RETURNED TO THE ENGINEER OF RECORD.

6. OFF SITE OR ROADWAY RIGHT OF WAY CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CONDITIONS OF THE APPROVED R/W PERMIT(S). A COPY OF THE APPROVED R/W PERMIT MUST BE KEPT ON-SITE AND READILY AVAILABLE DURING ALL CONSTRUCTION ACTIVITIES WITHIN THE R/W.

7. THE PUBLIC SERVICES DEPARTMENT MUST BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO UTILITY TESTING. THE CONTRACTOR MUST CONTACT JOSH KRAMM, UTILITY LINE MANAGER, AT HIS OFFICE (352) 735-7151, OR CELL (352) 516-4691, DISTRIBUTION SUPERVISOR - OFFICE (352) 735-7151 OR CELL PHONE (352) 460-7222, RUSSELL HOPPER, COLLECTION & LIFT STATION SUPERVISOR - OFFICE (352) 735-7151 OR CELL PHONE (352) 979-2022. HYDROSTATIC TESTING SHALL BE PER THE APPLICABLE PROVISIONS AS SET FORTH IN AWWA STANDARDS. (MINIMUM 150 PSI @ 2 HOURS - POTABLE/RECLAIMED AND MINIMUM 100 PSI @ 2 HOURS - FORCE MAINS).

8. GRAVITY SEWER PIPING TESTS SHALL BE IN ACCORDANCE WITH UNI-BELL PVC PIPE ASSOCIATION; "RECOMMENDED PRACTICES FOR LOW PRESSURE AIR TESTING OF INSTALLED SEWER PIPE". THE CONTRACTOR WILL BE REQUIRED TO PROVIDE VIDEO INSPECTION OF THE ENTIRE LINE DEMONSTRATING SATISFACTORY WORKMANSHIP AND SHOWING POSITIVE FLOW WITHIN THE SANITARY SYSTEM. ANY DEFECTS IN WORKMANSHIP, AREAS OF STANDING WATER OR "BELLIES" SHALL BE CAUSE FOR REJECTION. ONE DVD FORMAT COPY OF THE VIDEO INSPECTION MUST BE PROVIDED TO THE PUBLIC SERVICES DEPARTMENT.

9. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE INSPECTION OF ALL STORM SYSTEM PIPES DEMONSTRATING SATISFACTORY WORKMANSHIP AND SHOWING POSITIVE FLOW WITHIN THE DRAINAGE SYSTEM. ANY DEFECTS IN WORKMANSHIP, AREAS OF STANDING WATER OR "BELLIES" SHALL BE CAUSE FOR REJECTION. ONE DVD FORMAT COPY OF THE VIDEO INSPECTION MUST BE PROVIDED TO THE PUBLIC SERVICES DEPARTMENT.

10. AFTER JUMPER CONNECTION IS REMOVED, WATER & RECLAIMED WATER SERVICES MUST BE LOCKED OUT AND KEY SUPPLIED TO CITY.

11. FOLLOWING SATISFACTORY PRESSURE TESTING, THE CONTRACTOR SHALL DISINFECT ALL SECTIONS OF THE WATER DISTRIBUTION SYSTEM, AND RECEIVE APPROVAL THEREOF FROM THE APPROPRIATE AGENCIES, PRIOR TO PLACING IN SERVICE. ADVANCE NOTICE SHALL BE PROVIDED TO THE CITY BEFORE START. THE DISINFECTION SHALL BE ACCOMPLISHED WITH THE APPLICABLE PROVISIONS OF AWWA STANDARD, "DISINFECTING WATER MAINS" AND ALL APPROPRIATE AGENCY APPROVALS.



STANDARD CONSTRUCTION DETAIL

GENERAL NOTES

GU001-1B

ISSUED: 2017

REVISION: -

12. COPIES OF SATISFACTORY BACTERIOLOGICAL TESTING AND THE FDEP "LETTER OF RELEASE REQUEST" SIGNED BY THE ENGINEER OF RECORD MUST BE SUBMITTED TO THE CITY ENGINEER FOR PROCESSING. NO POTABLE WATER LINE SHALL BE PLACED INTO SERVICE WITHOUT RECEIPT OF FDEP AUTHORIZATION.

13. FDEP CLEARANCE REQUEST MUST BE SUBMITTED THROUGH THE PUBLIC WORKS AND UTILITY DEPARTMENT.

14. EARTHWORK, PAVEMENT AND CONCRETE CONSTRUCTION NOT SPECIFICALLY ADDRESSED BY THE CITY LOC, SHALL BE THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, WHICHEVER IS MORE STRINGENT.

15. COPIES OF ALL MATERIALS AND COMPACTION TESTING PER THE CURRENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION MUST BE PROVIDED PRIOR TO CLOSEOUT.

16. THE PUBLIC SERVICES DEPARTMENT REQUIRES A PRE-CLOSEOUT FIELD REVIEW WITH THE CONTRACTOR / SITE DEVELOPER. THE CONTRACTOR MUST CONTACT PUBLIC SERVICES - ENGINEERING AT (352) 735-7151, TO COORDINATE. ALL ISSUES IDENTIFIED AT THE FIELD REVIEW MUST BE ADDRESSED PRIOR TO PUBLIC SERVICES FINAL CLOSE OUT APPROVAL.

17. LIFT STATION START UP WILL REQUIRE A MINIMUM OF 48 HOURS PRIOR NOTIFICATION TO THE CITY. THE CONTRACTOR MUST CONTACT JOSH KRAMM, UTILITY LINE MANAGER, AT (352) 735-7151 OR (352) 551-9263 OR RUSSELL HOPPER, COLLECTION & LIFT STATION SUPERVISOR - OFFICE (352) 735-7151 OR CELL PHONE (352) 979-2022 TO COORDINATE THE START UP INSPECTION.

18. ALL MANUALS FOR LIFT STATION CONTROL PANELS, GENERATORS, AND PUMPS WILL BE REQUIRED PRIOR TO START UP. THESE MANUALS WILL BE SUBJECT TO CITY REVIEW / APPROVAL TO INCLUDE O&M MANUALS. NO LIFT STATION WILL BE ACCEPTED UNTIL SATISFACTORY DOCUMENTATION HAS BEEN PROVIDED. ANY LIFT STATION PUMP, SIZED LARGER THAN 20 HP, SHALL BE PROVIDED WITH A REBUILD KIT CONSISTING OF BEARING SEALS, O-RINGS AND WEAR RINGS. ALSO, A TON KIT WITH BOX IS REQUIRED.

19. DEICATION OF IMPROVEMENTS TO THE PUBLIC SHALL BE IN ACCORDANCE WITH THE CITY OF MOUNT DORA LOC 4.3.4(4)(a) - BONDS, 5.3.3(1) - BONDS, AND 7.2.4 - BONDS AND WARRANTIES. THE CITY'S LAND DEVELOPMENT CODE IS AVAILABLE ONLINE AT WWW.MOUNTDORA.COM FOR YOUR REFERENCE.

20. AS-BUILT DRAWINGS - PER LOC 7.13.6 - OWNER / DEVELOPER SHALL PROVIDE FOUR HARD COPIES AND ONE ELECTRONIC OF THE APPROVED FINAL ENGINEERING PLANS CONFORMED TO SHOW ALL AS-BUILT CONDITIONS. AS-BUILTS MUST SHOW ACCURATE MEASUREMENTS OF WATER AND SEWER LINES AND STRUCTURES FROM FIELD KNOWN LOCATIONS WITHIN THE DEVELOPMENT. CERTIFICATION OF THE PROJECT ENGINEER ATTESTING TO THE ACCURACY OF THE DRAWINGS IF REQUIRED, CITY ACCEPTANCE OF IMPROVEMENTS AND / OR ISSUANCE OF OCCUPANCY WILL BE WITHHELD UNTIL SATISFACTORY AS-BUILTS ARE PROVIDED.



PIPE CLEARANCE

GU0016-1

ISSUED: 2017

REVISION: -



PIPE CLEARANCE NOTES

GU0016-2

ISSUED: 2017

REVISION: -

General Water Notes

1. Water system components shall be installed in strict accordance with all local codes and regulations, cleaned, disinfected and bacteriologically cleared for service in accordance with the latest AWWA standards and CHAPTER 62-553 Florida Administrative Code.

2. All piping shall bear the "NSF" seal for potable water.

3. Water mains shall be pvc conforming to AWWA C-900, DR 38 for pipe sizes 4"-12", Pipes 14" or larger shall be AWWA C-905, DR 18. All couplings, cleaning compounds, solvents, lubricants, and pipe preparation or laying, shall be in accordance with the pipe manufacturers latest recommendations.

4. Depth of water lines to be 36" minimum cover from finish grade.

5. Water mains to be located 6.00' from back of curb or edge of pavement unless otherwise noted.

6. All sleeves under pavement shall extend 5' beyond the back of curb.

7. Disinfecting: Following the pressure testing, the contractor shall disinfect all sections of the water distribution system. Disinfection shall be in accordance with the applicable provisions of AWWA standard 555, "Disinfecting water mains", and all appropriate agency approval.

8. All hydrostatic test shall be in accordance with AWWA C900 for ductile iron pipe and C900/M32 for pvc pipe.

9. All water mains shall be installed, pressure and leak tested in accordance with AWWA C900, (62-555.320(1)(b) and 62-555.330, F.A.C. All installation, testing and field procedures must be provided and must conform to the applicable AWWA standards.

10. All piping materials and specifications covering pipes, joints and packing materials, internal coating and linings, fittings, specials and appurtenances shall be in accordance with the corresponding AWWA standards and be conforming to NSF requirements, as may be applicable, with exceptions allowed only if documentation and assurances are provided in compliance with paragraphs 62-555.320(1) (b) and 62-555.330 (3) (b), and 62-555.330 (1) (c), F.A.C. The total use prohibition in rule 62-555.332, F.A.C. shall also apply. Polyethylene tubing shall be per AWWA C901. Underground service lines, and valves shall be per AWWA C900.

COLOR Coding

All water main pipe, including fittings, shall be color coded or marked blue as a predominate color to differentiate drinking water from reclaimed water or other water. Underground plastic pipe shall be solid-wall blue pipe, shall have a co-extruded blue external skin, or shall be white or black pipe with blue stripes. Incorporated into, or applied to, the pipe wall, and underground metal or concrete pipe shall have blue striped applied to the pipe wall. Pipe striped during manufacturing of the pipe shall have continuous stripes that run parallel to the axis of the pipe, that are located at no greater than 36" intervals around the pipe, and will remain intact during and after installation of the pipe. If tape or paint is used to stripe pipe during installation of the pipe, the tape or paint shall be applied in a continuous line that runs parallel to the axis of the pipe and that is located along the top of the pipe for pipes with an internal diameter of 24 inches or greater, tape or paint shall be applied in continuous lines along each side of the pipe as well as along the top of the pipe. Aboveground pipe as drinking water treatment plants shall be color coded and labeled in accordance with subsection 62-555.320(10), F.A.C., and all other aboveground pipe shall be painted blue or shall be color coated or marked like underground pipe.

Utility Construction Notes (DEP)

62-555.314 Location of Public Water System Mains:

For the purpose of this section, the phrase "Water Mains" shall mean Mains, including treatment Plant process piping, conveying either raw, partially treated, or finished drinking water; Fire Hydrant leads; and service lines that are under the control of a public Water System and that have an inside diameter of three (3") inches or greater.

(1) Horizontal Separation Between Underground Water Mains and Sanitary or Storm Sewers, Wastewater or Storm Water Force Mains, Reclaimed Water Pipelines, and On-site Sewage Treatment and Disposal Systems:

(a) New or relocated, underground WATER MAINS shall be laid to provide a horizontal distance of at least (3) Three Feet between the outside of the WATER MAIN and the outside of any existing or proposed Storm Sewer Water Force Main, or pipeline conveying reclaimed water regulated under Part III of Chapter 62-610, F.A.C.



PIPE CLEARANCE NOTES

GU0016-2B

ISSUED: 2017

REVISION: -

Utility Construction Notes (DEP) (CONTINUED)

(b) New or relocated, underground WATER MAINS shall be laid to provide a horizontal distance of at least (3) three feet, and preferably (10) Ten Feet, between the outside of the WATER MAIN and the outside of any existing or proposed vacuum-type Sanitary Sewer.

(c) New or relocated, underground WATER MAINS shall be laid to provide a horizontal distance of at least (6) 54 feet and preferably (10) 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 (3) Three Feet where the BOTTOM OF THE WATER MAIN is laid at least (6) 54 inches above the "top of the Sewer."

(d) New or relocated, underground WATER MAINS shall be laid to provide a horizontal distance of at least (10) "ten Feet between the outside of the WATER MAIN and all parts of any existing or proposed "On-site Sewage Treatment and Disposal System" as defined in Section 381.005(2), F.S. and Rule 64E-6.002, F.A.C.

(2) Vertical Separation Between Underground WATER MAINS and Sanitary or Storm Sewers, Wastewater or Storm Water Force Mains, and Reclaimed Water Pipelines:

(a) New or relocated underground WATER MAINS crossing any existing or proposed gravity- or vacuum-type sanitary sewer or storm sewer shall be laid so the outside of the WATER MAIN is at least 8(5) 54 inches, and preferably 22 inches above, or at least 12 inches below the outside of the other pipeline. However, its preferable to lay the WATER MAIN "ABOVE" the other pipeline.

(b) 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.

(c) At the Utility crossings described in paragraphs (a) & (b) Above, one full length of Water Main Pipe shall be entered 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 (3) Three feet from all joints in Vacuum-type Sanitary Sewers, Storm Sewers, Stormwater Force Mains, or pipelines conveying reclaimed water regulated under Part III of Chapter 62-610, F.A.C., and at least (6) 54 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.

(3) Separation Between WATER MAINS and Sanitary or Storm Sewer Manholes:

(a) NEW OR RELOCATED WATER MAIN SHALL PASS THRU, OR COME INTO CONTACT WITH ANY PART OF A SANITARY MANHOLE.

(4) SEPARATION BETWEEN FIRE HYDRANT DRAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORM WATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS. NEW OR RELOCATED FIRE HYDRANTS WITH UNDERGROUND DRAINS SHALL BE LOCATED SO THAT THE DRAINS ARE AT LEAST (3) Three Feet from any existing or proposed storm sewer, Stormwater force main, or pipeline conveying reclaimed water regulated under Part III of Chapter 62-610, F.A.C., at least (6) Three feet, and preferably (10) Ten Feet, from 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., and at least (10) Ten Feet from any existing or proposed "on-site sewage treatment and disposal system" as defined in Section 381.005(2), F.S. and Rule 64E-6.002, F.A.C.

(5) Exceptions/Mitigation:

Adhere to the above Constraints and Separations in Items 1 through 4 shall be Complied to, "WITHOUT EXCEPTION". If for some reason where it is not technically feasible or Economically Sensible that Items 1 through 4 cannot be complied with, Contractor will Stop Work and Notify the Engineer of record for the appropriate solution which will be submitted to "The Department of Environmental Protection" for APPROVAL, prior to work commencement.



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445 24TH STREET, SUITE 200, VERO BEACH, FL 33960

PHONE: 772-225-1000

WWW.KIMLEY-HORN.COM

DOLLAR TREE

MOUNT DORA, FL

PROJECT NUMBER: 14767029

OWNER: SCS

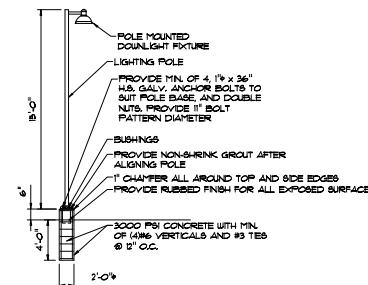
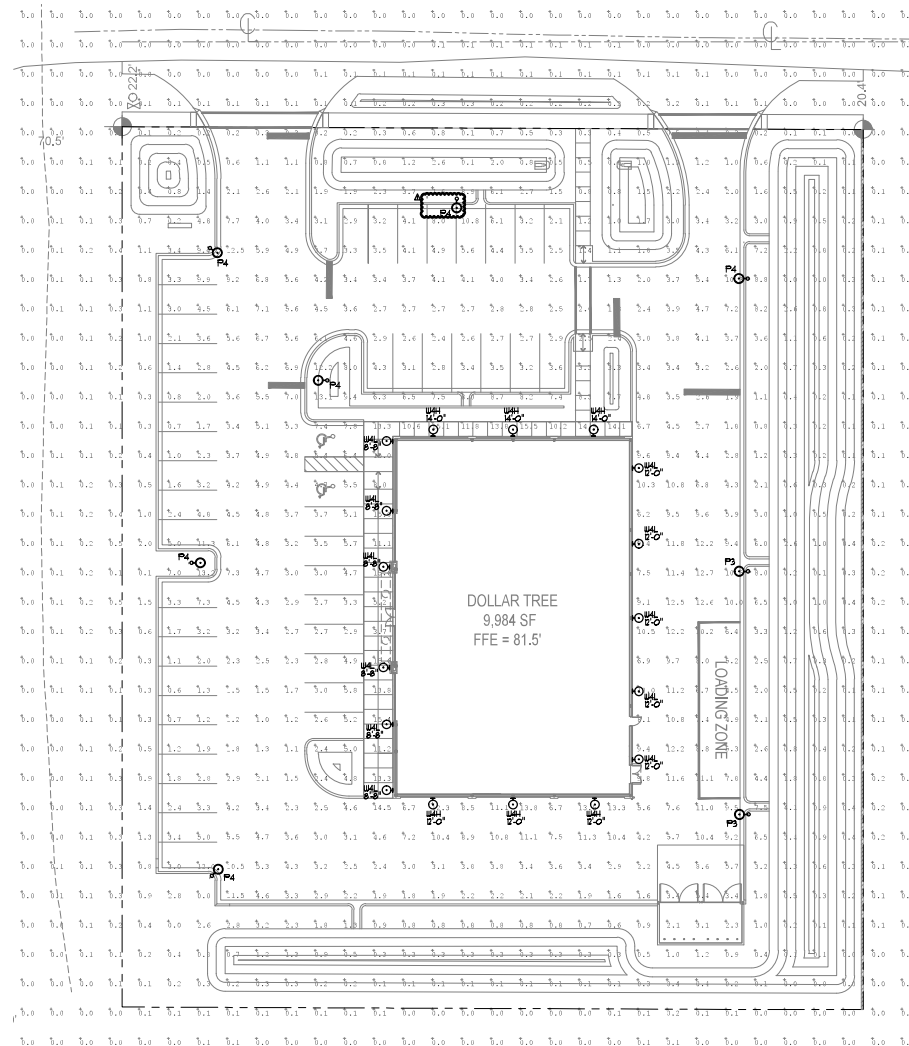
CHECKED BY: [Signature]

ISSUE DATE: [Date]

DATE: [Date]

GENERAL UTILITY DETAILS

REVISION: C-9.5



POLE BASE DETAIL
SCALE: 1/8\"/>



TYPE W4H & W4L



TYPE P3 & P4

Symbol	Qty	Label	Arrangement	Description	LLF	Fixture Watts
	4	W4H	SINGLE	LSI-XGLSS-1-LED-HO-W-UE-BRG-CH-W	0.930	106
	2	P3	SINGLE	LSI-XGLSS-1-LED-HO-W-UE-BRG-CH-S, WITH 15' POLE	0.930	134
	11	W4L	SINGLE	LSI-XGLSS-1-LED-SO-W-UE-BRG-CH-W	0.930	71
	6	P4	SINGLE	LSI-XGLSS-1-LED-HO-W-UE-BRG-CH-S, WITH 15' POLE	0.930	134

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Dumpster Area	Illuminance	FC	4.28	0.6	2.1	2.04	4.10
Parking Drives	Illuminance	FC	4.39	14.2	0.6	0.32	24.17
Store Entry	Illuminance	FC	6.89	15.6	2.9	2.41	5.38

SITE LIGHTING & PHOTOMETRICS PLAN
SCALE: 1" = 20'
0 10 20 40
SCALE: 1" = 20'

Anthony D
Gipson
2022.03.29
20:24:41
00005

TOTAL EXISTING NUMBER OF TREES SIZED 6"-23.99"	38 TREES
TOTAL EXISTING NUMBER OF TREES SIZED 6"-23.99" REMOVED:	36 TREES
TOTAL EXISTING NUMBER OF TREES SIZED 24" OR GREATER:	2 TREES
TOTAL EXISTING NUMBER OF TREES SIZED 24" OR GREATER REMOVED:	2 TREES
TOTAL NUMBER OF TREES REPLACED:	5 TREES
TOTAL NUMBER OF TREES REPLACED AT RATIO 1 TREE : 1 TREE FOR TREES REMOVED 6"-23.99"	5 TREES
TOTAL NUMBER OF TREES REPLACED AT RATIO 1 TREE : 6" DBH FOR TREES REMOVED 24" OR GREATER:	0 TREES

TOTAL NUMBER OF TREES DEFICIENT (NOT BEING REPLACED) FOR TREE BANK CONTRIBUTION 45 TREES

THE OWNER/DEVELOPER SHALL MAKE CONTRIBUTIONS IN THE AMOUNT OF \$275.00 FOR EACH TREE NOT REPLACED IN MITIGATION (45) FOR A TOTAL CONTRIBUTION OF \$12,375.00.

$$\$275.00 \times 45 = \$12,375.00$$

	TREE PROTECTION FENCE EXISTING PALM TREE TO BE REMOVED
	EXISTING TREE TO BE REMOVED
	EXISTING TREE TO REMAIN

NOTE: ALL PRUNING TO BE DONE BY CERTIFIED FLORIDA SA
ARBORIST PRIOR TO INSTALLATION OF NEW PLANT MATERIAL.

[illegible]

*** Circulation Conflict - CC

*** Drainage Conflict - DC

*** Building Conflict - BC

*** Parking Conflict - PC

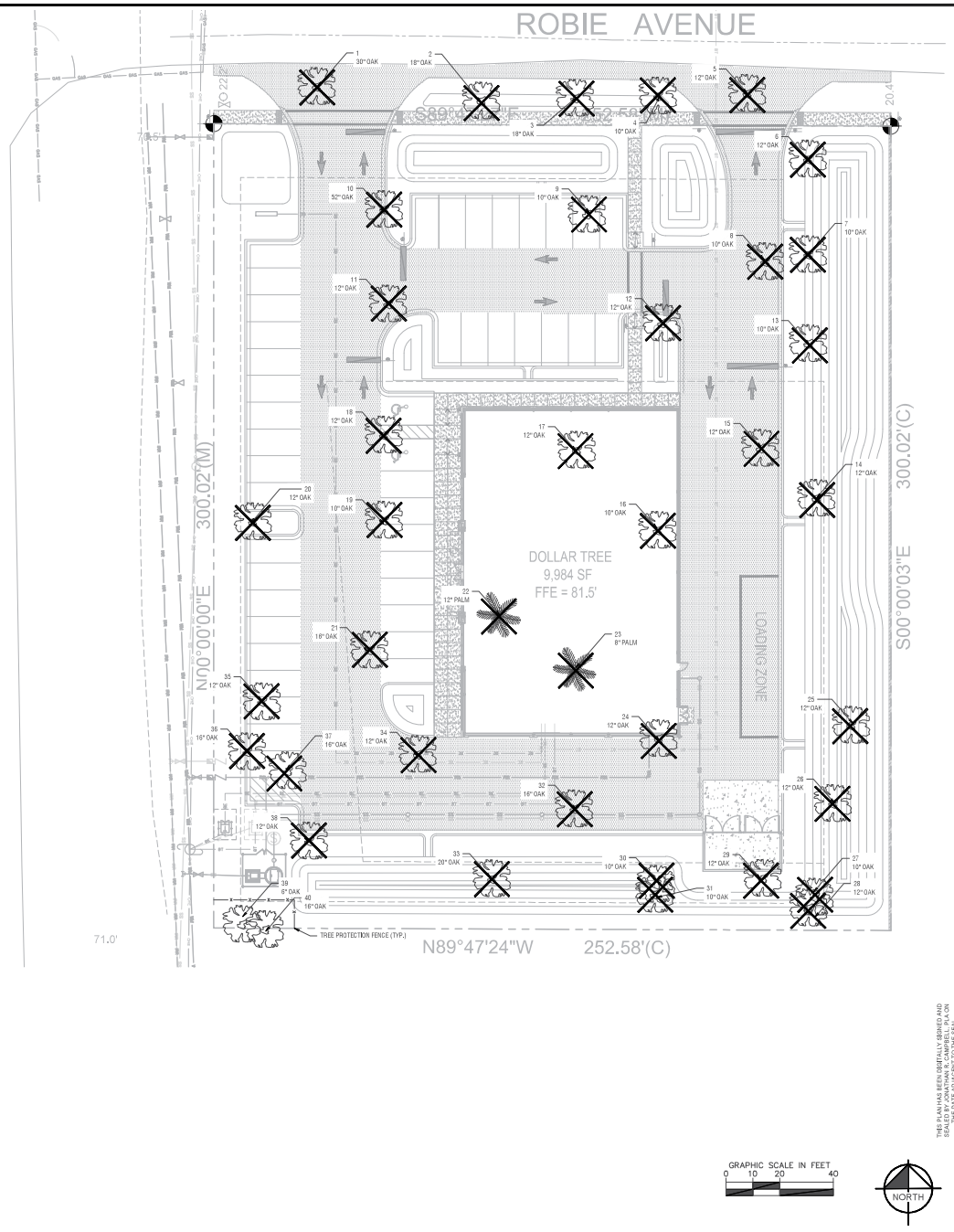
*** Visibility Conflict - VC

*** No Conflict - N/A

1. *Journal of the American Medical Association*, 2000; 284: 2669-2674.

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determined to pose potential hazardous condition during or after development of site.



Kimley»Horn

445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM CA 00000696



DOLLAR TREE

MT. DORA, ROBIE AVE & US HWY 441

DESCRIPTION

DATE	BY
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PROJECT NUMBER:	147667009
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PROJECT: BNG	PROJECT: BNG
--------------	--------------

UNIVERSITY:	BNU
COUNTRY:	USA

Checklist:	MLS
Issue Date:	02/04/2020

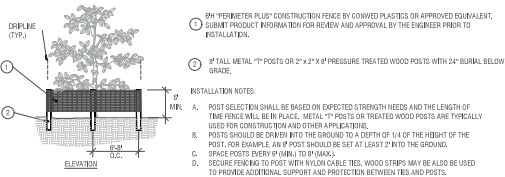


03/31/2022

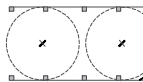
SHEET TITLE:
TREE MITIGATION
PLAN

QUESTIONS

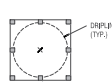
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PLAN VIEW-SINGLE TREE

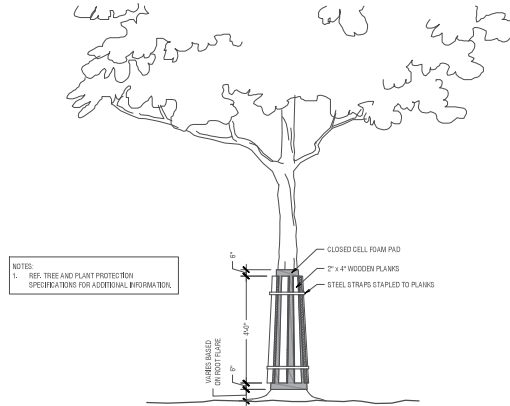


PLAN VIEW-MULTIPLE TREES (LINEAR FENCE)

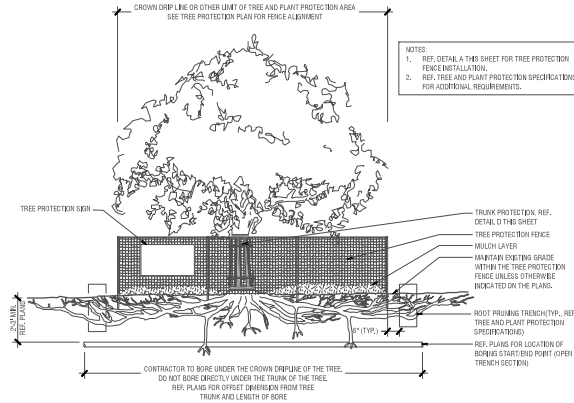


PLAN VIEW-PALM TREE

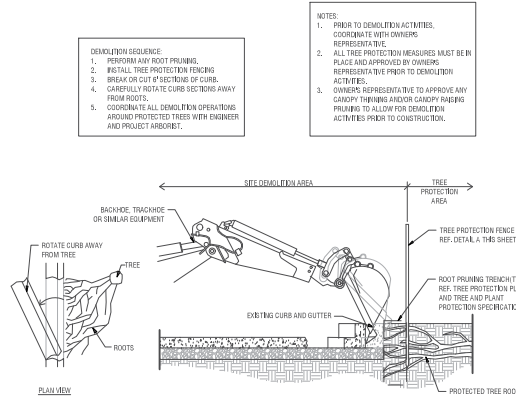
TREE PROTECTION FENCE BARRIER
Scale: NTS



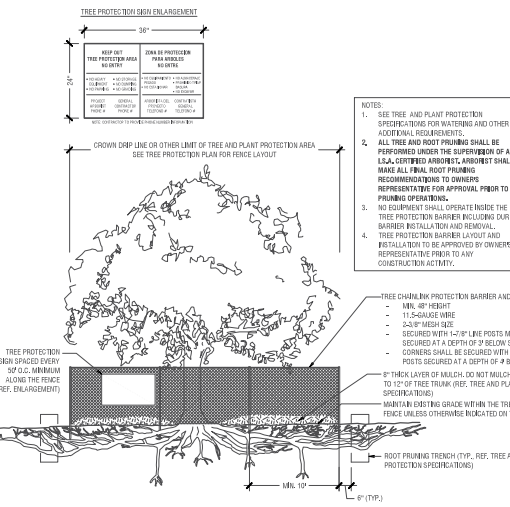
TRUNK PROTECTION
Scale: NTS



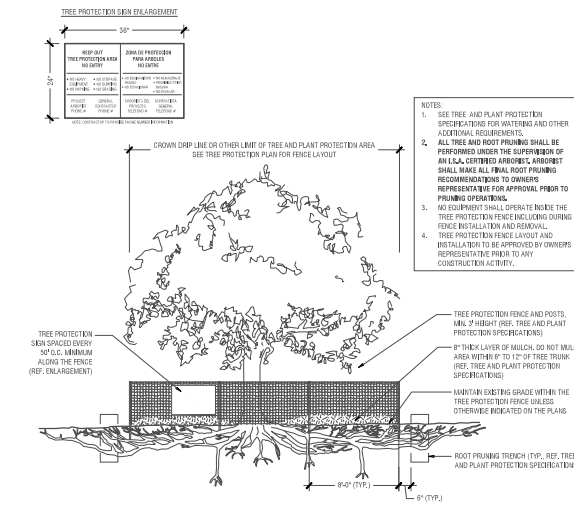
TREE PROTECTION - UTILITY BORING UNDER CROWN DRIPLINE
Scale: NTS



CURB DEMOLITION AROUND EXISTING TREE ROOTS
Scale: NTS



TYPICAL CHAINLINK TREE PROTECTION BARRIER
Scale: NTS



TYPICAL TREE PROTECTION FENCING
Scale: NTS

NO.	DESCRIPTION	REVISION LOG
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

PROJECT NUMBER	16787020
DRAWN BY	BMG
CHECKED BY	MLS
ISSUE DATE	03/27/2022



LANDSCAPE REQUIREMENTS		
ROBIE AVENUE (TYPE V BUFFER)	REQUIRED	PROVIDED
181 LF / 100 = 1.81	9 TREES	9 TREES
CANOPY TREES: 5 X 1.81 = 9.05 TREES	27 TREES	27 TREES
UNDERSTORY TREES: 15 X 1.81 = 27.2 TREES	18 PLACED IN SOUTH BUFFER	18 PLACED IN SOUTH BUFFER
4 PLACED IN EAST BUFFER	YES	YES
CONTINUOUS PARKING LOT SHRUB PLANTING		
US HWY 441 (TYPE V BUFFER)		
300 LF / 100 = 3.0	15 TREES	15 TREES
CANOPY TREES: 3 X 3.0 = 9 TREES	15 TREES	15 TREES
UNDERSTORY TREES: 15 X 3.0 = 45 TREES	10 PLACED IN EAST BUFFER	10 PLACED IN EAST BUFFER
CONTINUOUS PARKING LOT SHRUB PLANTING		
SOUTH PERMITTER (TYPE V BUFFER)		
251 LF / 100 = 2.51	13 TREES	13 TREES
CANOPY TREES: 3 X 2.51 = 7.53 TREES	13 TREES	13 TREES
UNDERSTORY TREES: 15 X 2.51 = 37.65 TREES	17 PROPOSED, 1 EXISTING	17 PROPOSED, 1 EXISTING
EAST PERMITTER (TYPE V BUFFER)		
300 LF / 100 = 3.0	12 TREES	12 TREES
CANOPY TREES: 4 X 3.0 = 12 TREES	18 TREES	18 TREES
UNDERSTORY TREES: 6 X 3.0 = 18 TREES	YES	YES
8 SCREEN		
IMPERVIOUS SURFACE AREA		
48,254 MAX SF	46,847 SF	46,847 SF
PARKING LOT LANDSCAPE AREA		
54,181 SF X 10% = 5,418 SF	5,418 SF	29,826 SF
LANDSCAPE BREAK REQUIREMENTS:		
LANDSCAPE BREAKS = 5	5 TREES	5 TREES
COMMERCIAL FACADE REQUIREMENTS:		
ACCENT TREES = UNDERSTORY TREES	2 TREES	2 TREES

PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL / COMMON NAME	SPECIFICATIONS	REMARKS
AR	14	Acer rubrum / Red Maple	2" cal, 8' H, 4" spr	Straight, Single Leader, Full	
QV	12	Quercus virginiana / Southern Live Oak	2" cal, 8' H, 4" spr	Straight, Single Leader, Full	
QVM	5	Quercus virginiana / Southern Live Oak	3.5" b-10" H, 6" spr	Straight, Single Leader, Full, Mitigation Tree	
TD	16	Taxodium distichum / Bald Cypress	2" cal, 8' H, 4" spr	Straight, Single Leader, Full	
PE	73	Pinus Elliott / Slash Pine	2" cal, 8' H, 4" spr	Straight, Single Leader, Full	
VO	2	Viburnum odoratum / Walter's Viburnum	4" cal, 16' H, 6" spr	Full, Multi Trunk	
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	SPECIFICATIONS	REMARKS
PT	40	Pittosporum tobia / Green Pittosporum	24" H, 24" spr, 30" oc	Full, Matching	
PCO	231	Podocarpus macrophyllus / Podocarpus	30" H, 24" spr, 30" oc	Full to Ground, Matching	
PV	70	Physocarpus opulifolius / Obelisk Plant	24" H, 24" spr, 30" oc	Full, Matching	
PW	23	Pittosporum tobia / Wheeler's Dwarf / Wheeler's Dwarf Pittosporum	18" H, 18" spr, 30" oc	Full, Matching	
GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	SPECIFICATIONS	REMARKS
CD	252	Carex diandra / Sedge	12" H, 16" spr, 18" oc	Full, 1 gallon min.	
GA	5	Gaultheria puberula / Blackberry	12" H, 12" spr, 12" oc	Full, Matching, 1 gal. min.	
MISC	CODE	QTY	BOTANICAL / COMMON NAME	SPECIFICATIONS	REMARKS
SOD	TBD	Cynodon dactylon / Common Bermuda		Solid sod, rolled tight with sand filled joints, 100% weed, disease, and pest free	
MULCH	TBD	Shredded Hardwood Mulch		Min. 2" depth, trees in sod to receive 4" dia. ring	
STEEL EDGING	TBD	Steel Edging		3/16" x 4", Black	

NOTE: PLANT QUANTITIES ARE PROVIDED FOR CONFORMANCE ONLY. IN THE CASE OF A DISCREPANCY, THE DRAWING SHALL TAKE PRECEDENCE.

NOTE: CONTRACTOR TO PROVIDE ROOST BARRIER SYSTEM FOR ALL PLANTS WITHIN 4' OF UNDERGROUND UTILITIES.

NOTE: PLANTS ARE SPECIFIED BY HEIGHT AND SPREAD, NOT CONTAINER SIZE. ALL PLANTINGS ARE EXPECTED TO MEET ALL SPECIFICATIONS PROVIDED.

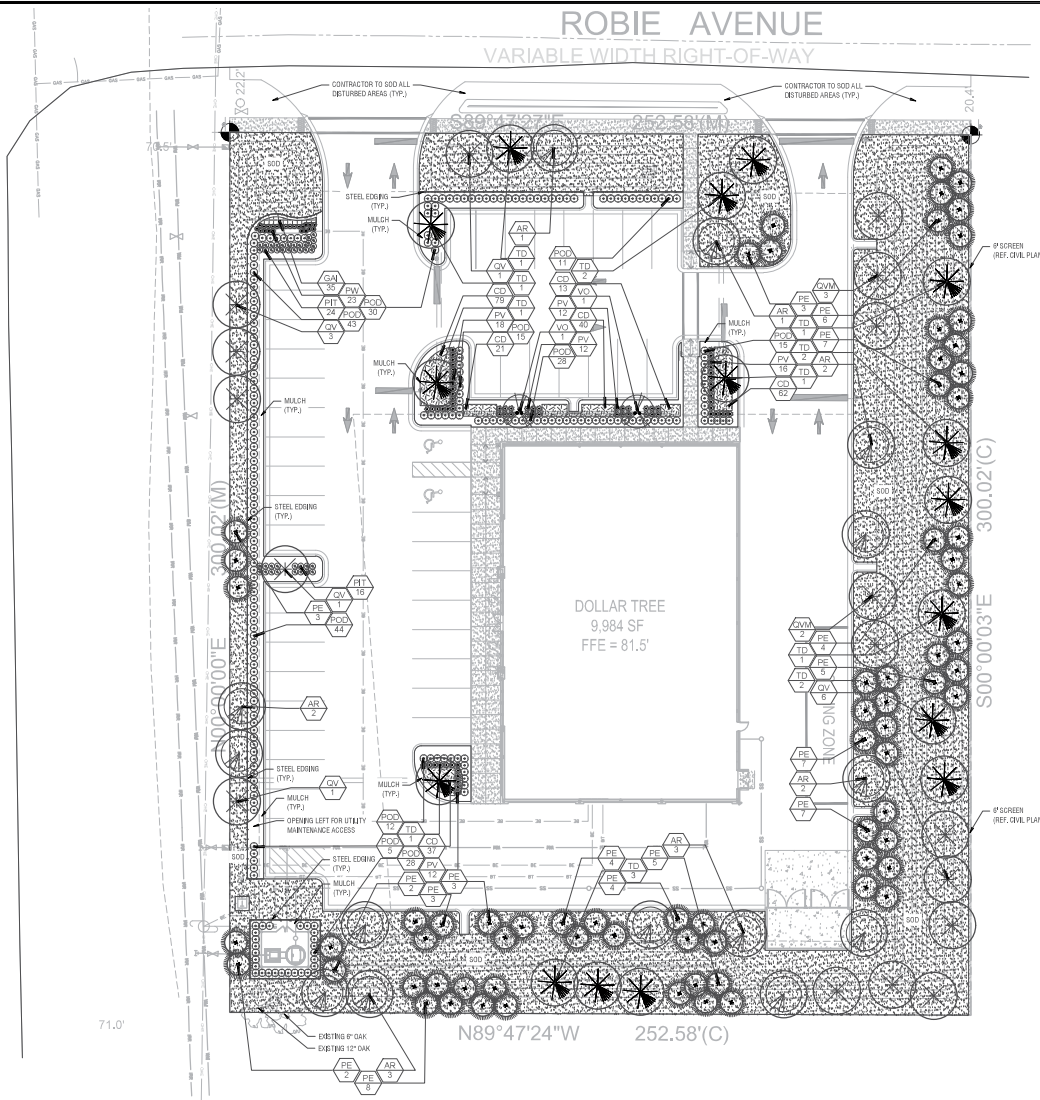
NOTE: BUFFER TREES RELOCATED ON SITE DUE TO UTILITY AND VISIBILITY CONFLICTS.

PLANTING NOTES

- ALL PLANT MATERIAL SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES AND SHALL MEET ALL STANDARDS AS STATED IN THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- ALL LANDSCAPING SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES AND SHALL BE FOR B.A.N.C. OR BETTER AS SHOWN IN "GUIDES AND STANDARDS FOR NURSERY PLANTS (PARTS I AND II)" STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADVISE THE OWNER'S REPRESENTATIVE OF ANY CONDITION FOUND ON SITE WHICH PROHIBITS INSTALLATION AS SHOWN ON THESE PLANS.
- NO SUBSTITUTION IN PLANT MATERIALS SHALL BE MADE WITHOUT WRITTEN AUTHORIZATION FROM OWNER OR LANDSCAPE ARCHITECT. IN THE EVENT OF DISCREPANCIES BETWEEN THE DRAWING AND THE PLANT LIST, THE DRAWING SHALL PREVAIL.
- ALL PLANT MATERIAL SHALL BE PROVIDED TO THE SITE BY THE CONTRACTOR.
- LOCATE ALL UTILITIES PRIOR TO ANY DESIGN OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO EXISTING UTILITIES INCURRED BY THE WORK.
- ALL LANDSCAPED AREAS SHALL BE FULLY IRRIGATED WITH AN AUTOMATIC IRRIGATION SYSTEM.
- STAKING AND GUYING ALTERNATIVES: METHODS INDICATED IN DRAWING DETAILS ARE PREFERRED. CONTRACTOR MAY SUGGEST ALTERNATE METHODS, ASSUMING FULL RESPONSIBILITY FOR THEIR IMPLEMENTATION. CONTRACTOR SHALL REPLACE PLANT, OR UPRIGHT ANY TREES BLOWN OVER OR DAMAGED DUE TO INADEQUATE STAKING AT NO ADDITIONAL COST TO THE OWNER.
- PLANTS MUST BE PROTECTED BY PROTECTIVE TRUNK GUARDING.
- PROVIDE A METAL EDGE BETWEEN PLANT BEDS AND LAWN AREAS.
- EXISTING SOIL SHALL BE REPAIRABLE BY THE USE OF TOP SOIL, LUMPS OF CLAY AND OTHER FOREIGN MATERIAL. PLACE 1" OF COMPOST AND 2" OF MULCH ON TOP OF ROOF BALL.
- THREE PLANTING FITS SHALL BE INCORPORATED WITH TOP SOIL, AND CLEARED OF ALL ROCKS, LUMPS OF CLAY AND OTHER FOREIGN MATERIAL. PLACE 1" OF COMPOST AND 2" OF MULCH ON TOP OF ROOF BALL.
- PROVIDE BRASS BEERINGS OR LIDS FOR PROPOSED LAWN AREAS TO ALL EDGES OF PREVENTION AND ON LIMITS OF DISTURBANCE OUTSIDE ROW, OR PROPOSED LANDSCAPE EASEMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPING FOR 90 DAYS AFTER FINAL ACCEPTANCE. ALL REQUIRED LANDSCAPING SHALL BE MAINTAINED IN A NEAT AND ORDERLY MANNER AT ALL TIMES. THE WORK SHALL INCLUDE, BUT NOT BE LIMITED TO: MOVING, EDGING, PRUNING, FERTILIZING, WATERING, WEEDING, AND OTHER SUCH ACTIVITIES COMMON TO THE MAINTENANCE OF LANDSCAPING. ALL PLANT MATERIALS SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AS IS APPROPRIATE FOR THE SEASON OF THE YEAR. PLANT MATERIAL THAT DIES SHALL BE REPLACED WITH THE PLANT MATERIAL OF SIMILAR SIZE AND VARIETY.
- TREES OVERHANGING ROADS SHALL BE TRUNK GUARDED WITH A CLEAR TRUNK HEIGHT OF 7 FEET FROM FRESH SURFACE GRADE.
- TREES PLANTED ON SLOPES SHALL BE PLACED IN PLANTING FITS OF ADEQUATE DEPTH SUCH THAT THE SOIL STAY AT THE BASE OF THE TRUNK MATCHES THAT OF THE AVERAGE GRADE OR SLOPE.
- CONTRACTOR SHALL WARRANTY PLANT MATERIAL TO REMAIN ALIVE AND HEALTHY FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE. WARRANTY SHALL NOT INCLUDE DAMAGE FOR LOSS OF PLANT MATERIAL DUE TO NATURAL CAUSES ACTS OF VANDALISM OR NEGLECTANCE ON THE PART OF THE OWNER.
- EXISTING LANDSCAPE THAT IS DAMAGED, NOT SCHEDULED FOR REMOVAL, SHALL BE REPLACED TO EXISTING CONDITION.
- ALL EXISTING TREES TO BE PRUNED/CLEANUP BY A CERTIFIED ARBORIST.
- ALL BRANCHES EXISTING TO BE REMOVED SHALL BE REMOVED.
- QUANTITIES ARE APPROXIMATE AND ARE PROVIDED ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES AND PROVIDING SUFFICIENT QUANTITIES OF MATERIAL FOR COVERING THE AREAS TO BE COVERED BY THE PLANTING.
- ALL DISTURBED AREAS ON SITE NOT CALLED TO BE SODDED, SHALL BE REESTABLISHED WITH SEED OR HYDRIC MULCH.
- ALL LANDSCAPED AREAS TO BE PREPARED USING LANDSCAPE BLENDED BY SOIL BUILDING SOLUTIONS OR APPROVED EQUAL. CONTRACTOR TO MIX 1" LAYER OF SBS LANDSCAPER'S BLEND WITH NATIVE SOIL AND TILL TO A DEPTH OF 8". FINISHED GRADES OF PLANTING BEDS TO BE 2" BELOW FINISHED GRADE OF ADJACENT PAVING OR AS SHOWN ON GRADING PLAN.
- AN AUTOMATIC IRRIGATION SYSTEM SHALL BE PROVIDED TO MAINTAIN ALL LANDSCAPE AREAS. OVER SPRAY ON STREETS AND WALKS IS PROHIBITED.
- ALL SOD AREAS TO BE MULCHED WITH SHREDDED HARDWOOD MULCH 3" MIN. DEPTH. (PLANT MULCH OR APPROVED EQUAL.)
- NOTIFY LANDSCAPE ARCHITECT 772-764-1101 SHOULD AVAILABILITY ISSUES ARISE.
- MINIMUM 4' FOOT TREE SETBACK FROM ALL UTILITIES & 7.5' CLEARANCE AROUND FIRE HYDRANTS & FD'S FROM LANDSCAPING.

MITIGATION CALCULATIONS

TOTAL EXISTING NUMBER OF TREES SEED #23.09"
TOTAL EXISTING NUMBER OF TREES SEED #23.09" REMOVED:
TOTAL EXISTING NUMBER OF TREES SEED 24" OR GREATER:
TOTAL EXISTING NUMBER OF TREES SEED 24" OR GREATER REMOVED:
TOTAL NUMBER OF TREES REPLACED:
TOTAL NUMBER OF TREES REPLACED AT RATIO 1 TREE: 1 TREE FOR TREES REMOVED #23.09"
TOTAL NUMBER OF TREES REPLACED AT RATIO 1 TREE: 1 TREE FOR TREES REMOVED 24" OR GREATER:
TOTAL NUMBER OF TREES DEFICIENT (NOT BEING REPLACED) FOR TREE BANK CONTRIBUTION: 45 TREES
THE OWNER/DEVELOPER SHALL MAKE CONTRIBUTIONS IN THE AMOUNT OF \$275.00 FOR EACH TREE NOT REPLACED IN MITIGATION AND FOR A TOTAL CONTRIBUTION OF \$12,375.00.
\$275.00 x 45 = \$12,375.00



- [illegible]

- [illegible]

- [illegible]

- [illegible]

3. PLANTS MARKED "RR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS. THE ROOTS SHALL NOT

SHEET TITLE:
LANDSCAPE
DETAILS

SHEET NUMBER:
LP 3.01

[illegible]

SYMBOL	MANUFACTURER MODEL DESCRIPTION	QTY
	Hunter HZ-2H-250 Steel Control Zone 65, 1" CV, 60psi Gauge Valve, 1" HY100 Body System, Pressure Range: 25psi. Flow Range: 2 GPM to 20 GPM, 150 mesh stainless steel screen.	1
	Area is Reseive Digging Natures TLC240-21 Variable Pressure Configuration Landscape Digging with Check Valve, 0.8 GPM/1.5" 1/2" CV, Digging length 12' at 2" depth, with emitters offset for rectangular emitters, 17mm.	2,827.15
SYMBOL	MANUFACTURER MODEL DESCRIPTION	QTY
	Hunter HVS-R 1 1.5" 1/2" 2", and 3" Plastic Electric Remote Control Valve, 60psi Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use, With Redundant Water Valve, 17mm.	15
	Irrigation Valve 1.5" 1/2" 2", and 3" Plastic Electric Master Valve, 60psi Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use, With Redundant Water Valve, 17mm.	1
	Hunter HVS-R 1 1.5" 1/2" 2", and 3" Plastic Electric Master Valve, 60psi Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use, With Redundant Water Valve, 17mm.	1
	Febco RZ3V 1 Reduced Pressure Backflow Preventer	1
	Hunter EC-400S-250R 18 Station Outdoor Modular Controller, With one on EC400-0 Models, Commercial Use, Stainless Steel Cabinet. To be mounted on pedestal.	1
	Hunter WVR-6LB Rain/Snow Sensor, install within 1000' of controller, in line of sight, 2x28" VAC/240V, 100 power from timer transformer, Shaded, as indicated. Includes 10' cable.	1
	Hunter HF-100 Flow Sensor for use with ACC controller, 1" Schedule 40 Sensor Body, 3/4" VAC, 2 amp.	1
	Water Meter Z 1	1
-----	Irrigation Lateral Line: PVC Class 200 SDR 21	4,758.15
-----	Irrigation Mainline: PVC Class 200 SDR 21	1,781.15
-----	Typical Pipe Schedule 40 Pipe: Schedule 40 pipe for irrigation pipe, Pipe schedule size shall allow for irrigation pipe to be installed with 18" minimum space above pipe through drawing material. Extend sensors 18 inches beyond edges of piping or construction.	235.5, 1.5
-----	Value Column Value Column Value Size	
		

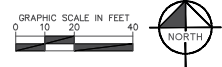
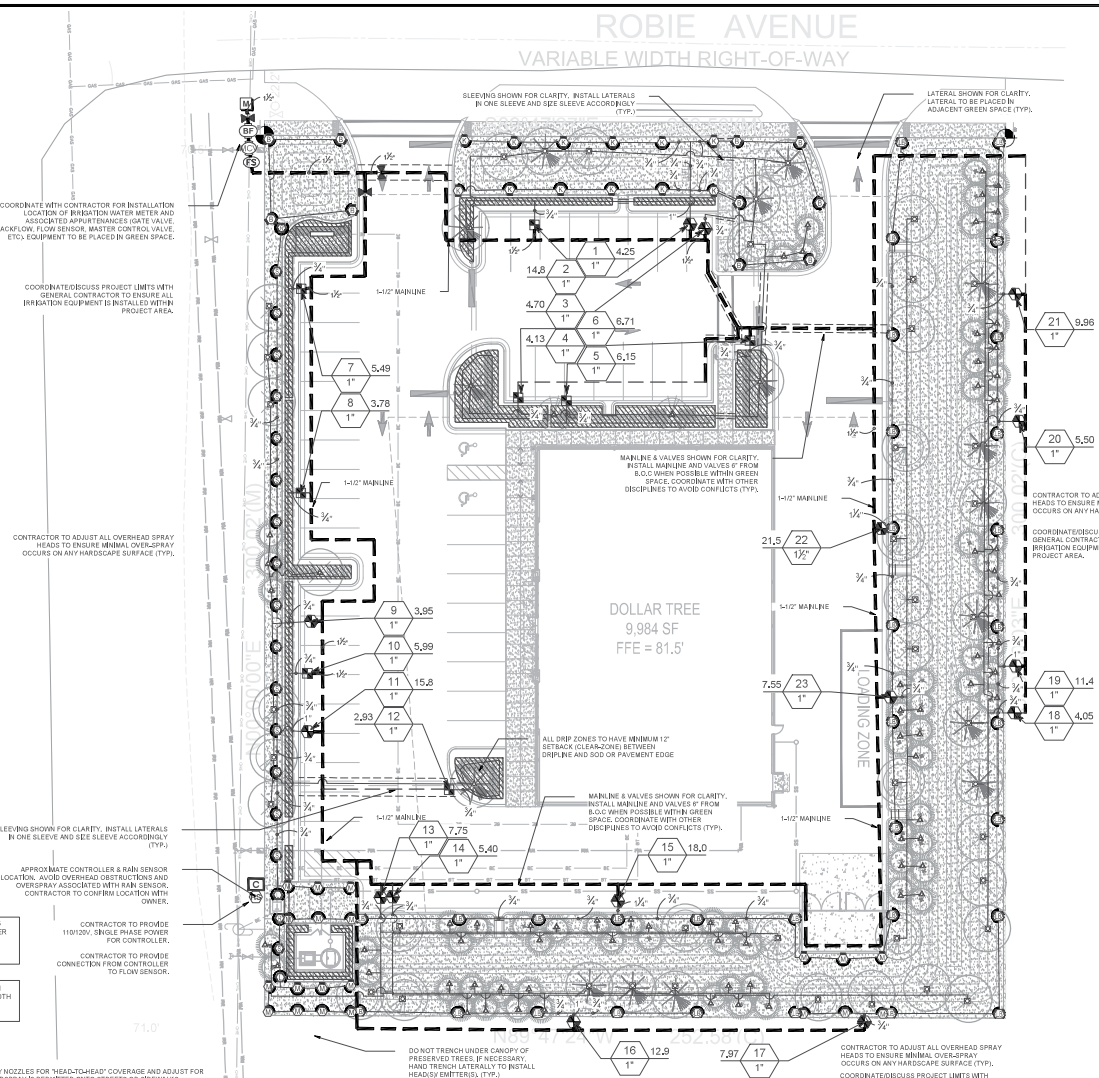
REFERENCE MAXIMUM LATERAL DRIP LINE CHART TO DETERMINE MINIMUM
NUMBER OF POINTS OF CONNECTION PER DRIP LINE ZONE.

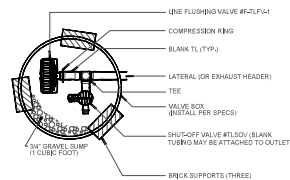
WHERE LAYOUT FLEXIBILITY EXISTS CENTER FEED LAYOUTS MUST BE USED. THIS ALLOWS FOR EVEN FLOW OF WATER THROUGH THE ZONE.

HUNTER ECO-INDICATOR TO BE PLACED IN ALL DRIP AREAS AT THE FURTHEST POINT OF EACH DRIP RUN.

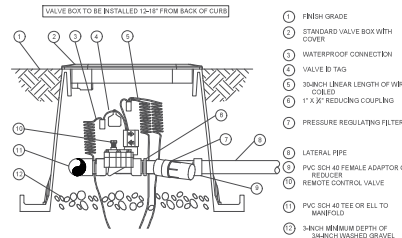
THIS IRRIGATION PLAN IS DESIGNED TO THE FOLLOWING STATS: 65 PSI AND 37.5 GPM. IF WATER PRESSURE DOES NOT MEET DESIGN SPECIFICATIONS A BOOSTER PUMP WILL BE REQUIRED AT COST OF CONTRACTOR. CONTACT LANDSCAPE ARCHITECT PRIOR TO INSTALLATION IF SYSTEM HAS ± 5 PSI THAN DESIGN PRESSURE.

ZONES LOWER THAN THE CAPACITY OF THE FLOW SENSOR ARE TO BE WIRED IN THE CONTROLLER WITH ANOTHER ZONE SO THAT THE FLOW SENSOR READS BOTH ZONES AS ONE ZONE IN ORDER TO MEET THE FLOW SENSOR'S LOWEST GPM REQUIREMENT. DRIP ZONES REQUIRED TO REMAIN PIPED AS SEPARATE ZONES.

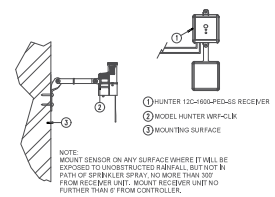
[illegible]



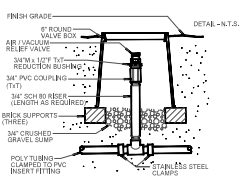
Line Flushing Valve (W/ Shut-off Valve)
Scale: N.T.S.



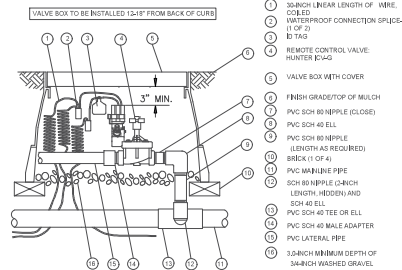
Drip Control Zone Kit
Scale: N.T.S.



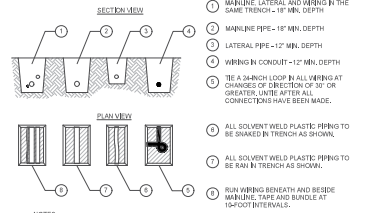
Wireless Rain/Freeze Sensor
Scale: N.T.S.



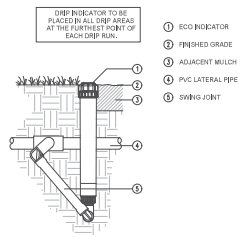
Air/Vacuum Relief (Plumbed to Poly)
Scale: N.T.S.



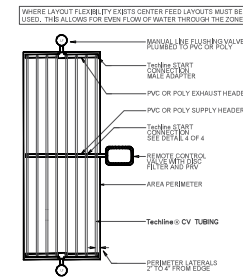
Electric Remote Control Valve
Scale: N.T.S.



Pipe and Wire Trenching
Scale: N.T.S.



ECO INDICATOR - SWING JOINT
Scale: N.T.S.

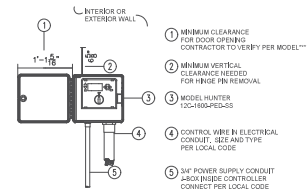


ALL BARBED FITTINGS TO UTILIZE EITHER STAINLESS STEEL HOSE CLAMP, STEEL CLAMP, OR COMPRESSOR RING.

TECHLINE CV MINIMUM LENGTH OF A SINGLE LATERAL (FEET)

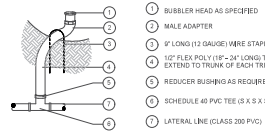
TECHLINE DRIPPER SPACING (FEET)	12"	18"	24"	30"	36"
10	331	242	199	144	498
20	413	302	236	180	584
30	475	350	269	207	670
40	524	386	303	237	757
50	564	416	333	262	832
60	594	440	357	287	898
70	614	459	376	306	954
80	629	474	391	321	1004
90	640	485	402	332	1054
100	648	493	410	339	1094

INLET PRESSURE (PSI)

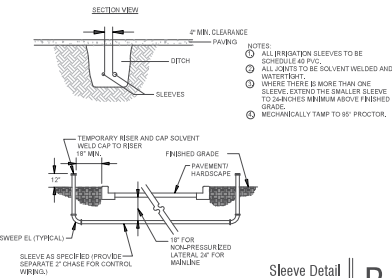


Controller
Scale: N.T.S.

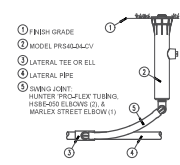
Techline CV Center Feed Layout
Scale: N.T.S.



Bubbler Assembly
Scale: N.T.S.



Sleeve Detail
Scale: N.T.S.



MP Rotator Sprinkler
Scale: N.T.S.

PVC PIPE SIZE	SOLVENT WELD SCH. 40 FITTINGS	BELL AND GASKET FITTINGS	SOCKETED PIPE
1/2"	2"	-	2"
3/4"	2"	-	2 1/2"
1"	2 1/2"	-	3"
1 1/4"	3"	-	3 1/2"
1 1/2"	3"	3"	3"
2"	4"	4"	4"
2 1/2"	6"	6"	6"
3"	8"	8"	8"
4"	10"	10"	10"

Sleeve Schedule
Scale: N.T.S.

GENERAL IRRIGATION SPECIFICATIONS AND NOTES

A. EXTENT:
INCLUDES FURNISHING ALL LABOR, MATERIALS AND EQUIPMENT FOR THE PROPER INSTALLATION OF THE IRRIGATION SYSTEM, THE WORKMANSHIP, BUT NOT LIMITED TO THE FOLLOWING: (1) PREPARE THE BACKFILL, (2) AUTOMATICALLY CONTROLLED LOW VOLUME IRRIGATION SYSTEM, (3) TEST ALL SYSTEMS AND MAKE OPERATIVE, (4) "NORMAL" DRAINAGE.

B. GENERAL:
PERMITS AND FEES: OBTAIN ALL PERMITS AND PAY REQUIRED FEES BY ANY GOVERNMENTAL AGENCY HAVING JURISDICTION OVER THE WORK, INSPECTIONS REQUIRED BY LOCAL ORDINANCES DURING THE COURSE OF CONSTRUCTION SHALL BE ARRANGED AND REQUIRED. THE CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE BY E-MAIL OR BY FAX OF ANY SUCH REQUIREMENTS TO FURNISH ACHIEVE, FAILURE TO DO SO WILL MAKE CONTRACTOR LIABLE FOR ANY AND ALL DAMAGE THERE TO ARISING FROM HIS OPERATIONS SUBSEQUENT TO DISCOVERY OF SUCH UTILITIES NOT SHOWN IN PLANS.

2. APPROVAL: INTERPRET THE TERMS "APPROVED" OR "APPROVED" AS USED IN THE SPECIFICATIONS. THEY SHALL MEAN THE APPROVAL OF THE OWNER'S CONSTRUCTION REPRESENTATIVE IN WRITING.
3. BEFORE ANY WORK IS STARTED, A CONFERENCE SHALL BE HELD BETWEEN THE CONTRACTOR AND THE OWNER'S CONSTRUCTION REPRESENTATIVE CONCERNING THE WORK UNDER THE CONTRACT.
4. COORDINATION: COORDINATE AND COOPERATE WITH OTHER CONTRACTORS TO ENSURE THE WORK TO PROCEED AS RAPIDLY AND EFFICIENTLY AS POSSIBLE.

5. INSPECTION OF SITE:
A. CONTRACTOR SHALL ACCOUNT THEMSELVES WITH ALL SITE CONDITIONS. SUBMISSION OF THEIR PROPOSAL SHALL BE CONSIDERED EVIDENCE THAT THE EXAMINATION HAS BEEN CONDUCTED. SHOULD UTILITIES NOT SHOWN ON THE PLANS BE FOUND DURING CONSTRUCTION, CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE BY E-MAIL OR BY FAX OF ANY SUCH REQUIREMENTS TO FURNISH ACHIEVE, FAILURE TO DO SO WILL MAKE CONTRACTOR LIABLE FOR ANY AND ALL DAMAGE THERE TO ARISING FROM HIS OPERATIONS SUBSEQUENT TO DISCOVERY OF SUCH UTILITIES NOT SHOWN IN PLANS.

B. CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS IN THE LAYOUT AS MAY BE REQUIRED TO CONNECT TO EXISTING UTILITIES. SHOULD SUCH UTILITIES NOT BE LOCATED EXACTLY AS SHOWN, AND AS MAY BE REQUIRED TO WORK AROUND EXISTING WORK AT NO INCREASED COST TO THE OWNER'S CONSTRUCTION REPRESENTATIVE.
6. PROTECTION OF EXISTING PLANTS AND SITE CONDITIONS: THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT SITE CONDITIONS TO REMAIN. SHOULD DAMAGE BE REQUIRED, THE CONTRACTOR SHALL REPAIR THE DAMAGE TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.

7. THE OWNER RESERVES THE RIGHT TO SUBSTITUTE, ADD, OR DELETE ANY MATERIAL, OR WORK AS THE WORK PROGRESSES. ADJUSTMENTS TO THE CONTRACT PRICE SHALL BE REQUIRED IF DEEMED NECESSARY BY THE OWNER ON A PER ITEM BASIS.
8. THE OWNER RESERVES THE RIGHT TO SELECT MATERIAL OR WORK WHOSE DOES NOT CONFORM TO THE CONTRACT DOCUMENTS. REJECTED WORK SHALL BE REMOVED OR CORRECTED AT THE EARLIEST TIME POSSIBLE.

9. WORK SCHEDULE: WITHIN 10 DAYS AFTER AWARD OF THE CONTRACT, THE CONTRACTOR SHALL SUBMIT TO THE OWNER A WORK SCHEDULE.
10. "AS-BUILT" IRRIGATION DRAWINGS: PREPARE AN "AS-BUILT" DRAWING ON A FULL-SIZE PLAN SET WHICH SHALL SHOW DETAILS FROM THE BID DOCUMENTS MADE DURING CONSTRUCTION AFFECTING THE MAIN LINE PIPE, CONTROL LINE LOCATIONS, REMOTE CONTROL VALVES AND LOCAL CONTROL VALVES. THE DRAWINGS SHALL ALSO NAME AND CATALOG NUMBER. THE DRAWINGS SHALL BE DELIVERED TO THE TENANTS CONSTRUCTION REPRESENTATIVE BEFORE FINAL ACCEPTANCE OF THE WORK.

11. FINAL ACCEPTANCE: FINAL ACCEPTANCE OF THE WORK MAY BE OBTAINED FROM THE OWNER'S CONSTRUCTION REPRESENTATIVE UPON THE SATISFACTORY COMPLETION OF ALL WORK.
12. GUARANTEE: ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM DATE OF ACCEPTANCE AGAINST ALL DEFECTS IN MATERIAL, EQUIPMENT AND WORKMANSHIP. GUARANTEE SHALL ALSO COVER REPAIR OF DAMAGE TO ANY PART OF THE PREMISES RESULTING FROM LEAKS OR OTHER DEFECTS IN MATERIAL, EQUIPMENT AND WORKMANSHIP TO THE SATISFACTION OF THE TENANTS CONSTRUCTION REPRESENTATIVE. REPAIRS, IF REQUIRED, SHALL BE DONE PROMPTLY AT NO COST TO THE OWNER.

13. A LAMINATED PLAN SET (12 X 18) SHOWING THE DIFFERENT IRRIGATION ZONES IN COLOR, PREPARED BY THE IRRIGATION CONTRACTOR, SHALL BE POSTED IN THE MECHANICAL ROOM OR REMOTE CONTROLLER CABINET.
C. MATERIALS:

1. GENERAL: ALL MATERIALS THROUGHOUT THE SYSTEM SHALL BE NEW AND IN PERFECT CONDITION.
2. PLASTIC PIPING: ALL MAIN LINES AND LATERAL LINES SHALL BE CLASS 300 POLYETHYLENE GLYCOL (PE) PIPE AND SHALL COMPLY WITH ONE OF THE FOLLOWING STANDARDS: ASTM D 1781, ASTM D 2466, ASTM D 2467, OR ANMA C-900. 3/4" PIPE SHALL HAVE A MINIMUM WALL THICKNESS AS REQUIRED BY LOCAL P.C. GARDENS FITTINGS SHALL CONFORM TO ASTM F 1961. GASKETS SHALL CONFORM TO ASTM F 1961. SOLVENT CEMENT PVC FITTINGS SHALL MEET THE REQUIREMENTS OF SCHEDULE 40 AS SET FORTH IN ASTM D 2466. THREADED PVC FITTINGS SHALL MEET THE REQUIREMENTS OF SCHEDULE 40 AS SET FORTH IN ASTM D 2466. CONFORMING TO ASTM D 1781 AND C-900.

3. PLASTIC FITTINGS: ALL SOLVENT WELD PVC FITTINGS SHALL MEET THE REQUIREMENTS OF SCHEDULE 40 AS SET FORTH IN ASTM D 2466. SCHEDULE 40 SOLVENT WELD POLYETHYLENE GLYCOL (PE) STANDARDS WEIGHT AS MANUFACTURED BY LOCAL, A-LEAK, OR APPROVED LOCAL.
4. SOLVENT CEMENT PVC CEMENT SHALL MEET ASTM D 2554 AND PVC CLEANER-TYPE SHALL MEET ASTM F 686.

5. SPRINKLER HEAD HOUSING: SCHEDULE 40 PVC FOR REMOTE PIPE SHALL BE CUT WITH A STANDARD PIPE CUTTING TOOL WITH SHARP CUTTING, REAM ONLY TO FULL DIAMETER OF PIPE AND CLEAR ALL HOUSING EDGES OR BURRS. CUT ALL THREADED ACCORDING WITH SHARP CUT, NOT MORE THAN THREE (3) FULL THREADED SHALL SHOW BEYOND FITTINGS WHEN PIPE IS MADE UP. ASSEMBLIES SHALL BE AS DETAIL.
6. AUTOMATIC CONTROLLER: SEE LEGEND

7. REMOTE CONTROL VALVES: SEE LEGEND
8. CONTROL: REMOTE CONTROL SYSTEMS TO USE 24 VOLT SOLID STATE APPROVED FOR DIRECT BURIAL IN GROUND. MINIMUM WIRE SIZE: 1/2" GAUGE. ALL BRIDGES SHALL BE MADE WITHIN VALVE BOX. TWO-WIRE SYSTEMS TO UTILIZE CONTROL WIRING PER MANUFACTURER STANDARDS.
9. SLEEVES FOR CONTROL WIRING UNDER ALL WALKS AND PAVED AREAS AND WHERE INDICATED ON DRAWINGS, MINIMUM PVC SCHEDULE 40 PLASTIC PIPE.
10. SPRINKLER HEAD OUP LINE: SEE LEGEND

11. QUICK COUPLING VALVES: SHALL BE NOTED ON DRAWINGS.
D. WORKMANSHIP:

1. LAY OUT WORK AS ACCURATELY AS POSSIBLE TO THE DRAWINGS. THE DRAWINGS, THOUGH CAREFULLY DRAWN, ARE GENERALLY APPROXIMATIONS TO THE EXTENT THAT CORRECTIONS, OMISSIONS, AND ALL FITTINGS ARE NOT SHOWN.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULL AND COMPLETE COVERAGE OF ALL BURIED AREAS AND SHALL MAKE ANY NECESSARY MINOR ADJUSTMENTS AT NO ADDITIONAL COST TO THE OWNER'S CONSTRUCTION REPRESENTATIVE.
3. ANY MAJOR DEVIATIONS TO THE IRRIGATION SYSTEM MUST BE SUBMITTED AND APPROVED IN WRITTEN FORM, ALSO WITH ANY CHANGE IN CONTRACT PRICE.

E. INSTALLATION:

1. EXCAVATION AND TRENCHING:
A. PREPARE ALL EXCAVATIONS AS REQUIRED FOR THE INSTALLATION OF THE WORK. INCLUDING UNDER THIS SECTION, INCLUDING SHORING OF EARTH BANKS TO PREVENT COLLAPSE, RESTORE ALL SURFACES, EXISTING UNDERGROUND INSTALLATIONS, ETC., DAMAGED OR CUT AS A RESULT OF THE EXCAVATIONS TO AND IN A MANNER APPROVED BY THE OWNER.
B. TRENCHES SHALL BE MADE WIDE ENOUGH TO ALLOW A MINIMUM OF 6 INCHES BETWEEN ADJACENT PIPE LINES. TRENCHES FOR PIPE LINES SHALL BE MADE OF SUFFICIENT DEPTH TO PROVIDE THE MINIMUM COVER FROM FIRM GRADE AS FOLLOWS:
1. 24" MINIMUM BELOW BOTTOM PAVEMENT FOR BURIED INSTALLATION DETAIL FOR MAIN LINE, 12" MINIMUM FOR BRANCHES AND LATERALS.
2. MINIMUM COVER OVER IRRIGATION LINES TO HEADS/UPLINE EXCEPT VEHICLE TRAFFIC:
12" COVER OVER LATERALS
12" COVER OVER MAINLINE

3. MAINTAIN ALL WARNING SIGNS, SHORING, BARRICADES, FLARES AND RED LANTERNS AS REQUIRED BY THE SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY AND LOCAL ORDINANCES.
2. PIPE LINE ASSEMBLY:
A. INSTALL REMOTE CONTROL VALVES WHERE SHOWN AND GROUP TOGETHER WHERE PRACTICAL. PLACE NO CLOSER THAN 12 INCHES TO WALK EDGES, WALLS, AND OTHER PAVEMENTS. PLACE A MINIMUM OF 24" FROM BUILDINGS.
B. PLASTIC PIPE AND FITTINGS SHALL BE SOLVENT WELDED USING SOLVENTS AND METHODS RECOMMENDED BY MANUFACTURER OF THE PIPE, EXCEPT WHERE COVERED CONNECTIONS ARE REQUIRED. PIPE AND FITTINGS SHALL BE THOROUGHLY CLEANED OF DIRT, OIL AND MOISTURE BEFORE APPLYING SOLVENT WITH A NON-SYNTHETIC BRISTLE BRUSH.
C. PIPE MAY BE ASSEMBLED AND WELDED ON THE SURFACE, SNAP PIPE FROM SIDE TO SIDE OF TRENCH BOTTOM TO ALLOW FOR EXPANSION AND CONTRACTION.
D. MAKE ALL CONNECTIONS BETWEEN PLASTIC PIPE AND METAL VALVES OR STEEL PIPE WITH THREADED FITTINGS USING PLASTIC MALE ADAPTERS.

E. JOINTS:
1. PIPE SIZES 1/2 INCH OR SMALLER SHALL HAVE HELL AND SOCKET JOINTS.
2. PIPE SIZES LARGER THAN 1/2 INCH SHALL HAVE SNAP CONNECTIONS WITH RUBBER GASKET JOINTS.
3. THURST BUILDINGS SHALL BE REQUIRED WHEN PIPE SIZE IS 1/2" OR GREATER.
3. SPRINKLER HEADS/UPLINE:
A. INSTALL ALL SPRINKLER HEADS/UPLINE AS DETAIL ON DRAWINGS.
B. DO NOT SCALE PLANS FOR EXACT HEAD LOCATION.

CLOSING OF PIPE AND FLUSHING LINES:
A. CAP OR PLUG ALL OPENINGS AS SOON AS LINES HAVE BEEN INSTALLED TO PREVENT THE ENTRANCE OF DEBRIS THAT WOULD OBSTRUCT THE PIPE. LEAKS IN PLACE UPON, REMOVAL IS NECESSARY FOR COMPLETION OF INSTALLATION.
B. THOROUGHLY FLUSH OUT ALL WATER LINES BEFORE INSTALLING HEADS/UPLINE, VALVES AND OTHER FITTINGS.
C. TEST IN ACCORDANCE WITH PARAGRAPH ON HYDROSTATIC TESTS.
D. UPON COMPLETION OF THE TESTING, THE CONTRACTOR SHALL COMPLETE ASSEMBLY AND ADJUST SPRINKLER HEADS FOR PROPER DISTRIBUTION.

6. INSPECTIONS:
A. SPRINKLER HEAD LAYOUT AND SPACING INSPECTION: VERIFICATION THAT THE IRRIGATION DESIGN IS AS DETAIL SHALL BE BY THE FIELD. IT WILL ALSO PROVIDE FOR A LATERAL OR MODIFICATION OF THE SYSTEM TO MEET FIELD CONDITIONS. SPACING SHOULD BE WITHIN 1% OF THE DESIGN SPACING.
B. PIPE INSTALLATION DEPTH INSPECTION: ALL HEADS/UPLINE SHALL BE INSTALLED TO DEPTH AS PREVIOUSLY DESCRIBED IN SECTION "E" OF THESE SPECIFICATIONS.
C. OPEN TRENCH INSPECTION: THE TRENCH AND ALL JOINTS AND EVERY TRANSITION IN PIPE SHALL BE OPEN WHEN OPEN TRENCH INSPECTION IS REQUIRED.
D. INSPECTIONS WILL BE PERFORMED THROUGHOUT THE DURATION OF THE INSTALLATION. INSPECTION MAY BE MADE BY THE CONTRACTING AGENCY OR OTHER TO ENSURE COMPLIANCE WITH LOCAL SPECIFICATIONS AND THE IRRIGATION CODES.

6. HYDROSTATIC TESTS:
A. REQUEST THE PRESENCE OF THE OWNER AND/OR OWNER REPRESENTATIVE IN WRITING AT LEAST 48 HOURS IN ADVANCE OF TESTING.
B. TESTING TO BE ACCOMPLISHED AT THE EXPENSE OF THE CONTRACTOR AND IN THE PRESENCE OF THE OWNER.
C. CENTER LINE PIPING WITH SMALL AMOUNT OF BACKFILL TO PREVENT ARCHING OR SLIPPING UNDER PRESSURE.
D. APPLYING A CONTINUOUS AND STATIC WATER PRESSURE OF 120 PSI WHEN WELDED PLASTIC JOINTS HAVE CURED AT LEAST 48 HOURS AND WITH THE REBERS CAPPED AS FOLLOWS:
1. MAIN LINES AND SUBMITS TO BE TESTED FOR 2 HOURS.
2. NO PRESSURE LOSS IS ALLOWED FOR SOLVENT WELD MAINLINE PIPE.

E. FOR PVC AND CLAYD GASKET PIPE THE ALLOWABLE LEAKAGE SHALL NOT EXCEED THE NUMBER OF SHALLONS PER HOUR AS DETERMINED BY THE FOLLOWING FORMULA:
$$L = \frac{1.185}{\sqrt{D \times L}} \times P$$

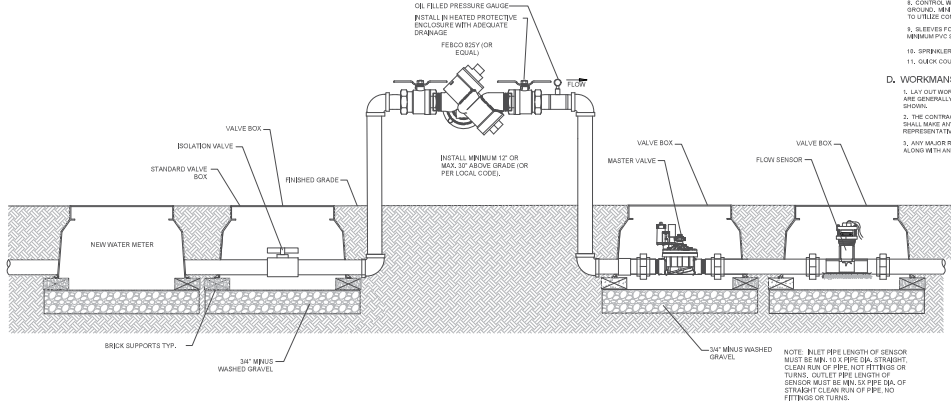
WHERE:
L = ALLOWABLE LEAKAGE IN GALLONS PER HOUR
D = DIAMETER OF JOINTS IN INCHES
P = JOINTS PER LINE IN FEET
F. REPAIR LEAKS RESULTING FROM TESTS.

7. AUTOMATIC CONTROLLERS:
A. CONNECT REMOTE CONTROL VALVES TO CONTROLLER IN A CLOCKWISE SEQUENCE TO CORRESPOND WITH STATION SETTING BEGINNING WITH STATIONS 1, 2, ETC.
8. AUTOMATIC CONTROL WIRING:
A. INITIAL CONTROL WIRING: SPRINKLER MAINS AND LATERALS IN COMMON TRENCHES WHEREVER AVAILABLE.
B. INSTALL CONTROL WIRING AT LEAST 12" BELOW FINISHED GRADE AND SNARE WIRE SIDE TO SIDE IN TRENCH BELOW MAIN LINE. EXPANSION CURLS SHALL BE PROVIDED WITHIN THREE (3) FEET OF EACH WIRE CONNECTION TO GROUND AND AT LEAST EVERY THREE HUNDRED (300) FEET IN LENGTH. (EXPANSION CURLS ARE FORMED BY WRAPPING AT LEAST FIVE (5) TURNS OF WIRE AROUND A ROD OR PIPE 1" OR MORE IN DIAMETER, THEN METICULOUSLY THE ROD).

C. CONTROL WIRE SPICES WILL BE ALLOWED ONLY RUNS OVER 180 FT. CONNECTIONS SHALL BE IN VALVE BOX AND LOCATION TO BE SHOWN ON AS-BUILT PLANS.
D. ALL MAIN PIPING UNDER EXISTING OR FUTURE PAVING, CONSTRUCTION, ETC. SHALL BE ENCASED IN PLASTIC OR GALVANIZED STEEL. COUPLER EXTENDING AT LEAST 24" BEYOND EDGES OF PAVING OR CONSTRUCTION.
E. CONTRACTOR SHALL RUN TWO SPARE WIRES IN EACH DIRECTION FROM CONTROLLER TO FARTHEST VALVE TO SERVE AS BACKUP WIRES.

9. BACKFILL AND COMPACTING:
A. AFTER SYSTEMS OPERATING AND REQUIRED TESTS AND INSPECTIONS HAVE BEEN MADE, BACKFILL EXCAVATIONS AND TRENCHES WITH CLEAN SOIL. FREE OF RUBBER, INITIAL BACKFILL MATERIAL, TO 1 INCHES ABOVE THE TOP OF PIPE SHALL BE FREE OF ROCKS OR STONES LARGER THAN ONE EIGHTH INCH DIAMETER. INITIAL BACKFILL MATERIAL SHALL BE FREE OF ROCKS OR STONES LARGER THAN 3 INCHES IN DIAMETER.
B. BACKFILL FOR ALL TRENCHES, REGARDLESS OF THE TYPE OF PIPE COVERED, SHALL BE COMPACTED TO MINIMUM 95% DENSITY.
C. COMPACT TRENCHES IN AREAS TO BE PLANTED BY THOROUGHLY FLOODING THE BACKFILL, JETTING PROCESS MAY BE USED IN THOSE AREAS.
D. DRESS OFF ALL AREAS TO FINISH GRADES.

10. PROTECTIVE RADIUS OF EXISTING TREES:
A. AN AUGER IS TO BE USED TO LOCATE UNDER EXISTING TREES IF IRRIGATION IS INSTALLED WITHIN THE PROTECTIVE RADIUS OF EXISTING TREES AND ONLY IF THERE IS NO OTHER OPTION OR TO DO SO CREATES AN UNDESIRABLE IMPROVEMENT.
F. CLEANUP:
1. REMOVE FROM THE SITE ALL DEBRIS RESULTING FROM WORK OF THIS SECTION.



RPZ Assembly Backflow Preventer with Flow Sensor

Scale: N.T.S.

A

Kimley»Horn
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
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DOLLAR TREE
MT. DORA, ROBIE AVE & US HWY 441

REVISION	DATE	BY	DESCRIPTION

PROJECT NUMBER: N787203
OWNER: BMG
CHECKED BY: MLS
ISSUE DATE: 03/31/2022



03/31/2022

SHEET TITLE
IRRIGATION
SPECIFICATIONS

SHEET NUMBER
LI 3.02