

**RESOLUTION No. 26-50**

**A RESOLUTION OF THE MAYOR AND THE CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, APPROVING VARIANCES FROM THE CITY'S LAND DEVELOPMENT CODE AS FOLLOWS (1) TO ALLOW 445 PARKING SPACES WHERE 520 PARKING SPACES ARE REQUIRED BY SEC. 77-139; (2) TO ALLOW 8.10% OF PERVIOUS OR HEAT REFLECTIVE PARKING SURFACES WHERE A MINIMUM OF 20% IS REQUIRED BY SEC. 77-195; AND (3) TO DEVIATE FROM THE NUMBER AND CONFIGURATION OF LANDSCAPE ISLANDS WITHIN SURFACE PARKING AREAS AS REQUIRED BY SEC 71-213, FOR PUBLIX AT DORAL PLAZA, FOR THE PROPERTY LOCATED AT 9705-9779 NW 41ST STREET IN THE CITY OF DORAL, FLORIDA, PURSUANT TO 53-460 & 53-468(B) OF THE CITY'S LAND DEVELOPMENT CODE; AND PROVIDING FOR AN EFFECTIVE DATE**

**WHEREAS**, Publix Super Markets Inc., (the "Applicant") is seeking three (3) variance approvals for redevelopment for the property located at 9705-9779 NW 41<sup>st</sup> Street in the City of Doral, (the "City"), further identified by Miami-Dade County Property Appraiser by Folio No. 35-3020-012-0020 (the "Property") as legally described in "Exhibit A" (the "Project"); and

**WHEREAS**, Chapter 53 "Administration", Article X. - Variances, Sec. 53-460 – Requests, of the City's Land Development Code, establishes the variance review procedures for the Mayor and City Council to review, and;

**WHEREAS**, the Applicant is requesting a variance from City Code Section 77-139 to allow 445 parking spaces where 520 parking spaces are required; and,

**WHEREAS**, the Applicant is requesting a variance from City Code Section 77-195 to allow 8.10% of pervious or heat reflective parking surfaces where a minimum of 20% is required; and,

**WHEREAS**, the Applicant is requesting a variance from City Code Section 77-195 to deviate from the number and configuration of landscape islands within the surface parking

areas; and,

**WHEREAS**, a zoning workshop was held on June 25, 2025 during which the public was afforded an opportunity to examine the Project and provide feedback; and

**WHEREAS**, the City Council reviewed the variance application, the written and oral recommendations from the Planning and Zoning Department, and hereby finds competent substantial evidence to find the variances are in compliance with the City's Comprehensive Plan and Land Development Regulations, and,

**WHEREAS**, if the variance request(s) are approved by the City Council, the variances shall travel with the Project, not the Property. At such time of redevelopment of a future site plan, the variances shall become null and void, and the Applicant shall develop the site in conformance with the Land Development Code.

**NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND THE CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, AS FOLLOWS:**

**Section 1. Recitals.** The foregoing recitals are confirmed, adopted, and incorporated herein and made as part hereof by this reference.

**Section 2. Findings and Conclusions.** Based upon an analysis of the variances application and standards for approval of a variance under the City's Land Development Regulations, the City Council hereby finds and concludes that the Applicant's request for the variances, as more particularly set forth in "Exhibit B," are in compliance with the Comprehensive Plan and the Land Development Regulations of the City, and there is substantial competent evidence to support approval/consideration of the Application.

**Section 3. Approval/Consideration.** The Mayor and City Council hereby approve and or consider the variances for Publix at Doral Plaza, for the property located at 9705–

9779 NW 41<sup>st</sup> Street in the City of Doral, (the “City”), further identified by Miami-Dade County Property Appraiser by Folio No. 35-3020-012-0020, as legally described in “Exhibit A.” The Applicant proposes a redevelopment which includes a reduction in the existing building footprint, the addition of green landscaped areas featuring a breezeway, updated landscaping throughout the site including a greater setback fronting Doral Boulevard, a redesigned parking layout, and improvements to the building façade constructed on approximately 11 acres of the Property; a copy of the site plan is provided in “Exhibit B.”

**Section 4. Effective Date.** This Resolution shall become effective immediately upon its adoption.

The foregoing Resolution was offered by Councilmember Pineyro who moved its adoption. The motion was seconded by Councilmember Reinoso and upon being put to a vote, the vote was as follows:

Mayor Christi Fraga	Yes
Vice Mayor Digna Cabral	No
Councilman Rafael Pineyro	Yes
Councilwoman Maureen Porras	No
Councilwoman Nicole Reinoso	Yes

PASSED AND ADOPTED this 11 day of March, 2026.



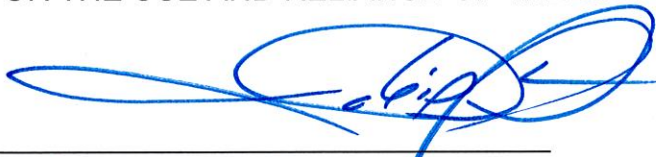
CHRISTI FRAGA, MAYOR

ATTEST:



CONNIE DIAZ, MMC  
CITY CLERK

APPROVED AS TO FORM AND LEGAL SUFFICIENCY  
FOR THE USE AND RELIANCE OF THE CITY OF DORAL ONLY:



LORENZO COBIELLA  
GASTESI, LOPEZ, MESTRE & COBIELLA, PLLC  
CITY ATTORNEY

# EXHIBIT “A”



## **CITY OF DORAL**

### **NOTICE OF PUBLIC HEARING**

**NOTICE IS HEREBY GIVEN** that on **Wednesday, March 11, 2026 at 6:00 p.m.** the City of Doral City Council will hold a Public Hearing **to consider a variance.** The Hearing will take place at the **City of Doral Government Center Council Chambers**, located at **8401 NW 53 Terrace, Doral, Florida 33166.**

The City of Doral proposes to adopt the following Resolution:

#### **Resolution No. 26-**

A RESOLUTION OF THE MAYOR AND THE CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, (APPROVING/DENYING) VARIANCES FROM THE CITY'S LAND DEVELOPMENT CODE AS FOLLOWS: (1) TO ALLOW 445 PARKING SPACES WHERE 520 PARKING SPACES ARE REQUIRED BY SEC. 77-139; (2) TO ALLOW 8.10% OF PERVIOUS OR HEAT REFLECTIVE PARKING SURFACES WHERE A MINIMUM OF 20% IS REQUIRED BY SEC. 77-195; AND (3) TO DEVIATE FROM THE NUMBER AND CONFIGURATION OF LANDSCAPE ISLANDS WITHIN SURFACE PARKING AREAS AS REQUIRED BY SEC 71-213, FOR PUBLIX AT DORAL PLAZA, LOCATED AT 9705-9779 NW 41 STREET IN THE CITY OF DORAL, FLORIDA, PURSUANT TO 53-460 & 53-468(B) OF THE CITY'S LAND DEVELOPMENT CODE; AND PROVIDING FOR AN EFFECTIVE DATE

**HEARING NO.:** 26-03-DOR-02

**APPLICANT:** Publix Super Markets, Inc. (the "Applicant")

**PROJECT NAME:** Publix at Doral Plaza Variances

**PROPERTY OWNER:** Publix Super Markets, Inc.

**LOCATION:** 9705 NW 41st Street, Doral, FL

**FOLIO NUMBER:** 35-3020-012-0020

**SIZE OF PROPERTY:** ±11 acres

**FUTURE LAND USE MAP CATEGORY:** Business

**ZONING DISTRICT:** Commercial Corridor (CC)

**REQUEST:** The variance request includes three components: a reduction in the required number of parking spaces, a variance from the minimum Solar Reflective Index (SRI) standards, and a modification to the number and configuration of landscaped islands within the parking area.



# EXHIBIT “B”

# DEVELOPMENT REVIEW SUBMITTAL FOR DORAL PLAZA PUBLIX STORE NO. 0031 REPLACEMENT 9755 N.W. 41st STREET CITY OF DORAL, FLORIDA 33178

**RECEIVED**  
By puglias at 4:01 pm, Sep 03, 2025

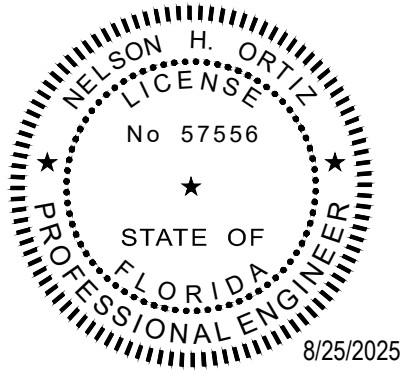


Graef-USA Inc.  
9400 South Dadeland Boulevard  
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Miami, FL 33156  
305 / 378 5555  
305 / 279 4553 fax

www.graef-usa.com

CERTIFICATE OF AUTHORIZATION NO. 4270

SEAL / SIGNATURE:



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY NELSON H. ORTIZ, P.E. 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.

FOR THE FIRM: NELSON H. ORTIZ  
PE-57556 (CIVIL)

PROJECT TITLE:

**PUBLIX AT DORAL PLAZA  
STORE No. 0031**  
9755 N.W. 41st STREET  
CITY OF DORAL, FLORIDA 33178

Folio No. 35-3020-012-0020

EQUITY DEVELOPMENT GROUP, LLC  
6420 CONGRESS AVENUE, SUITE 1800  
BOCA RATON, FLORIDA 33487

ISSUE:  
NO. DATE REVISIONS BY  
1 07/10/2025 M-D TFW TED COMMENTS

**SITE PLAN - NOT FOR CONSTRUCTION 04-01-2025**

### GENERAL NOTES

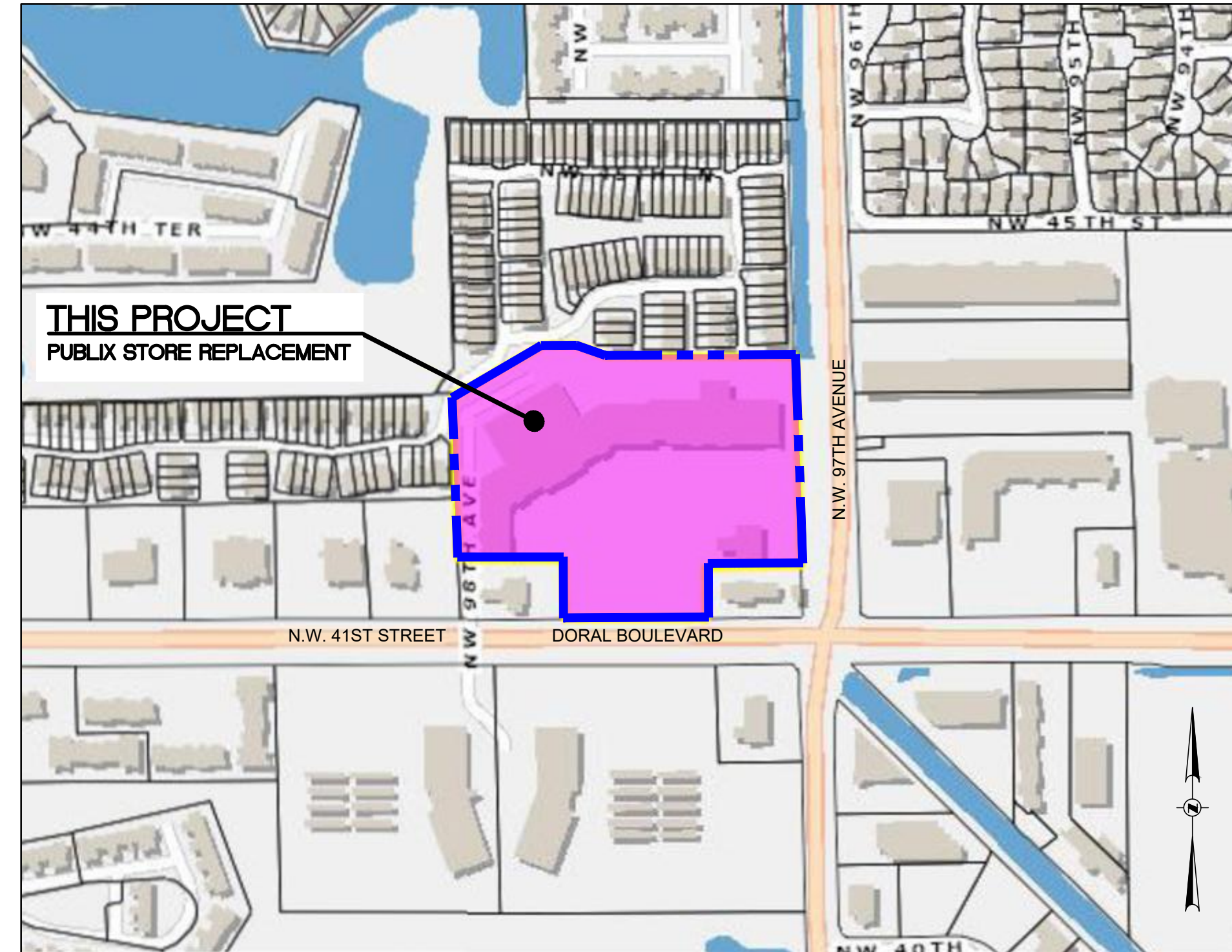
- ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) BASED ON MIAMI-DADE COUNTY BENCHMARK # N-512, ELEVATION=5.55.
- HORIZONTAL AND VERTICAL CONTROL SHALL BE PROVIDED BY THE OWNERS SURVEYOR. LAYOUT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- BEARINGS SHOWN HEREON REFER TO RECORD PLAT (129/1) AND ASSUME THE MOST NORTHERLY LINE OF SAID TRACT "B" AS NORTH 90°00'00" EAST & THE NORTH AMERICAN DATUM OF 1983 (NAD83), FLORIDA EAST ZONE (901), STATE PLANE COORDINATE SYSTEM, TRANSVERSE MERCATOR PROJECTION.
- IT IS THE INTENT OF THESE DRAWINGS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- EXISTING UTILITIES SHOWN ARE BASED ON INFORMATION SUPPLIED BY OTHERS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MEET WITH ALL APPLICABLE UTILITY COMPANIES TO VERIFY ALL UNDERGROUND FACILITIES PRIOR TO THE START OF CONSTRUCTION. ALL TRENCH EXCAVATION SHALL PROCEED WITH EXTREME CAUTION AT ALL TIMES. IN THE EVENT THAT EXISTING UTILITIES ARE DAMAGED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE ALL SUCH DAMAGE.
- EXISTING GRADES WERE TAKEN FROM THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTING ALL DISTURBED EXISTING MANHOLE COVERS, VALVE BOXES, BLOW-OFF RISERS, ETC. TO PROP. ELEVATIONS, AS REQUIRED, WHETHER SPECIFICALLY SHOWN ON THESE DRAWINGS OR NOT.
- SUBJECT PREMISES IS LOCATED IN FLOOD ZONE "X", MINIMAL CHANCE OF FLOOD HAZARD PER FLOOD INSURANCE RATE MAP NOS. 12086C0278 L & 12086C0286 L, DATED SEPTEMBER 11, 2009. COMMUNITY PANEL NO. 120041.
- BOUNDARY AND TOPOGRAPHIC DATA BASED UPON SURVEY PREPARED BY CONTROL POINT ASSOCIATES FL LLC, FT. LAUDERDALE, FLORIDA, DATED 03/26/2024.

### STRIPING AND SIGNAGE NOTES

- ALL STRIPING IN RIGHT-OF-WAY AND ALL ON-SITE STOP BARS APPLIED TO ASPHALTIC PAVEMENT SHALL BE THERMOPLASTIC WITH A MIXTURE OF 50 PERCENT GLASS SPHERES AND 50 PERCENT SHARP SILICA SAND APPLIED AT A RATE OF 0.20 PSF IN ACCORDANCE WITH FDOT SECTION 711.
- ALL ON-SITE STRIPING APPLIED TO CONCRETE PAVEMENT SHALL BE TRAFFIC PAINT IN ACCORDANCE WITH FDOT SECTION 917.
- ALL SIGNAGE SHALL BE IN ACCORDANCE WITH "THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
- SIGN POSTS SHALL BE STEEL CHANNEL IN ACCORDANCE WITH MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT STANDARDS AND SHALL BE BREAK-A-WAY.
- STOP SIGNS SHALL BE MOUNTED WITH 7' CLEAR FROM SIGN BOTTOM TO GRADE. WHERE INDICATED, ADDITIONAL SIGNAGE SHALL BE MOUNTED BELOW STOP SIGN.
- PROVIDE REFLECTIVE PAVEMENT MARKERS (RPMs), AS REQUIRED BY MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENTS.

### DRAINAGE UTILITY NOTES

- CONTRACTOR MUST CALL SUNSHINE TO LOCATE ALL EXISTING UTILITIES, PRIOR TO ANY EXCAVATION.
- EXISTING UTILITIES SHOWN ARE BASED ON INFORMATION SUPPLIED BY OTHERS. ALL EXISTING UTILITIES MAY NOT BE SHOWN. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MEET WITH ALL APPLICABLE UTILITY COMPANIES TO VERIFY ALL UNDERGROUND FACILITIES PRIOR TO THE START OF CONSTRUCTION. ALL TRENCH EXCAVATION SHALL PROCEED WITH EXTREME CAUTION AT ALL TIMES. IN THE EVENT THAT EXISTING UTILITIES ARE DAMAGED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE ALL SUCH DAMAGE.
- CONTRACTOR TO PROVIDE CAMERA INSPECTION OF THE EXISTING DRAINAGE SYSTEM TO VERIFY CONDITION OF THE STRUCTURES AND PIPE. PROVIDE AT THE BEGINNING OF CONSTRUCTION TO IDENTIFY ANY AREAS THAT MAY NEED TO BE REPAIRED OR REPLACED.
- CONTRACTOR TO CHECK ALL PIPE CONNECTIONS TO ALL EXISTING CATCH BASINS & SEAL ALL OPENINGS, AS NECESSARY.
- CONTRACTOR TO JET CLEAN ENTIRE EXISTING DRAINAGE SYSTEM AFTER INSTALLATION OF PROPOSED DRAINAGE IMPROVEMENTS.
- PAVEMENT RESTORATION/MILLING/RESURFACING SHALL BE IN STRICT CONFORMANCE WITH MIAMI-DADE COUNTY PUBLIC WORKS STANDARDS AS APPLICABLE; AND, ALL GENERAL AND SPECIAL CONDITIONS OF PERMITS ISSUED BY MIAMI-DADE COUNTY ENGINEERING AND PUBLIC WORKS DEPARTMENT. CONTRACTOR SHALL REPLACE ALL STRIPING, PAVEMENT MARKINGS, SIGNAGE AND ROADWAY PAVEMENT MARKERS (RPM) TO MATCH THE CONDITIONS PRIOR TO CONSTRUCTION, TO COMPLY WITH THESE CONSTRUCTION DRAWINGS AND/OR AS DIRECTED BY COUNTY/FDOT INSPECTOR.



SECTION 20 TOWNSHIP 53 SOUTH RANGE 40 EAST

### LOCATION SKETCH

SCALE: 1" = 300'

FOLIO NO.: 35-3020-012-0020

### LEGAL DESCRIPTION

PARCEL 1:  
TRACT "B", DORAL PARK PLAZA, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 129, PAGE 1 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

PARCEL 2:  
NON-EXCLUSIVE EASEMENTS FOR INGRESS AND EGRESS PURPOSES FOR THE BENEFIT OF PARCEL 1 ABOVE CREATED BY, AND MORE PARTICULARLY DESCRIBED IN THE RECIPROCAL ACCESS AGREEMENT AND OPERATION AGREEMENT BETWEEN DORAL PARK JOINT VENTURE AND CURTIS JAMES INVESTMENTS RECORDED IN OFFICIAL RECORDS BOOK 17172, PAGE 2315 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA AND CONTAINING 494,554 SQUARE FEET OR 11.3534 ACRES, MORE OR LESS.

### PAVING-GRADING-DRAINAGE NOTES

- PAVING AND DRAINAGE SHALL BE IN ACCORDANCE WITH FDOT STANDARDS, LATEST EDITION.
- UNLESS OTHERWISE NOTED, ALL EXISTING IMPROVEMENTS WITHIN THE PROPOSED BUILDING LIMITS INCLUDING, BUT NOT LIMITED TO, STRUCTURES, FOUNDATIONS, SLABS, PAVEMENTS, DRAINAGE FACILITIES AND UTILITY FACILITIES, SHALL BE REMOVED IN THEIR ENTIRETY.
- GRADING SHALL CONSIST OF ALL EXCAVATION, FILLING, SHAPING AND SLOPING NECESSARY FOR THE CONSTRUCTION. PREPARATION AND COMPLETION OF ALL SUBGRADES SHOULDERS, SLOPES, INTERSECTIONS, PAVEMENTS AND OTHER AREAS, ALL IN ACCORDANCE WITH THE ALIGNMENT AND GRADES SHOWN IN THESE DRAWINGS.
- DRAINAGE STRUCTURES SHALL BE AS DETAILED IN THESE DRAWINGS. DRAINAGE PIPE TO BE HIGH DENSITY CORRUGATED POLYETHYLENE (HDPE).
- ALL DRAINAGE PIPE ON PRIVATE PROPERTY SHALL BE HIGH DENSITY CORRUGATED POLYETHYLENE (HDPE) PIPE.
- WHERE APPLICABLE, SAWCUT ALL PAVEMENT EDGES WHERE EXISTING PAVEMENT IS TO REMAIN.
- CONCRETE CURB, SIDEWALK AND SLABS SHALL CONSIST OF 3,000 PSI PORTLAND CEMENT CONCRETE, AS SHOWN IN THESE DRAWINGS.
- ALL REINFORCING, ALL SIZES, SHALL CONFORM TO ASTM A615, GRADE 60.
- ALL EXPOSED CONCRETE SURFACES SHALL RECEIVE A LIGHT BROOM FINISH, UNLESS OTHERWISE DIRECTED.
- COORDINATE SPECIALTY PAVEMENT SHOWN WITH ARCHITECTURAL AND LANDSCAPE DRAWINGS.
- TESTING LABORATORY SHALL BE RETAINED BY THE CONTRACTOR TO VERIFY SPECIFIED COMPACTION DENSITY AND CONCRETE STRENGTH. FAILURE OF ANY TESTING TO MEET SPECIFIED REQUIREMENTS SHALL BE DEEMED NON-COMPLYING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTING ALL DISTURBED EXISTING MANHOLE COVERS, VALVE BOXES, BLOW-OFF RISERS, ETC. TO NEW ELEVATIONS, AS REQUIRED, WHETHER SPECIFICALLY SHOWN ON DRAWINGS OR NOT.

### ADA COMPLIANCE NOTES

- THIS SET OF DOCUMENTS HAS BEEN DESIGNED TO COMPLY WITH FBC 8TH EDITION (2023) AND THE 2023 FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION AND PER APPLICABLE FDOT INDEXES 304, 310 & 515. ALL RELATED SECTIONS OF THE CODE ARE NOTED WITHIN THESE DOCUMENTS AND STRICT COMPLIANCE IS REQUIRED BY ALL CONSTRUCTION TRADES. CONSTRUCTION QUALITY AND COMPLIANCE OF THE FINAL PRODUCT ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- ALL ACCESSIBLE ROUTES MUST NOT EXCEED A SLOPE OF 1:20 (5.00%). CURB CUT RAMPS AND RAMPS MUST NOT EXCEED A SLOPE OF 1:12 (8.33%). RAMPS THAT EXCEED 6 FEET IN LENGTH REQUIRE HANDRAILS. ALL CROSS SLOPES MUST NOT EXCEED A SLOPE OF 1:50 (2.00%). RAMPS MUST ALSO COMPLY WITH FBC BUILDING 1010 AND FBC ACCESSIBILITY 405.
- PLANTERS, TREE GRATES AND OTHER ELEMENTS MUST BE FLUSH AND ADA COMPLIANT. PAVERS ON PEDESTRIAN PATH MUST BE FLUSH, FIRM, STABLE AND HAVE NO OPEN JOINTS.
- ALL DETECTABLE WARNINGS TO BE IN ACCORDANCE WITH MIAMI-DADE COUNTY ARTICLE 527 TESTED MATERIAL, TYPE & COLOR, LATEST EDITION (7/7/16).

### INDEX OF DRAWINGS

SHT. NO.	TITLE
C-0	LOCATION MAP AND NOTES
C-1	OVERALL SITE PLAN
C-2	SITE UTILITY PLAN
C-2.1	PAVING PLAN
△ FSP-1	FIRE SITE PLAN
TP-1	REFUSE TRUCK PATH-1
TP-2	REFUSE TRUCK PATH-2
L-1.0	TREE DISPOSITION PLAN
L-1.1	TREE TABLE AND NOTES
L-1.2	TREE TABLE
L-1.3	TREE TABLE
L-2.0	PLANTING PLAN
L-2.1	LANDSCAPE LEGEND, NOTES AND PLANTING SCHEDULE

### PROJECT INFORMATION:

PROJECT NUMBER: 2024-7005  
DATE: 04/02/24  
DRAWN BY: G.G.G.  
CHECKED BY: N.H.O.  
APPROVED BY: N.H.O.  
SCALE: AS SHOWN

### SHEET TITLE:

LOCATION MAP AND NOTES

### SHEET NUMBER:

**C-0**

X:\MIA\2019\0197049\Design\Latest Drawings (02-25-25)\C-0 COVER 8/25/2025 11:06 AM

**DELIVERIES NOTE**

DELIVERIES ARE DIRECTED TO ACCESS THE REAR SERVICE DOORS OF EACH TENANT SPACE WHERE THEY CAN FIND SUFFICIENT LOADING AND PARKING SPACES. IN PRACTICE, DRIVERS TYPICALLY USE THE MOST CONVENIENT ACCESS POINTS AVAILABLE.

ADJACENT OWNER:  
DORAL PARK COUNTRY CLUB  
DORAL CHASE FIRST ADDITION AMENDED  
(PLAT BOOK 148, PAGE 92, D.C.R.)

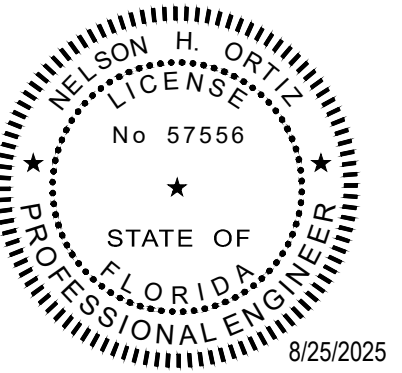


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CERTIFICATE OF AUTHORIZATION NO. 4270

SEAL / SIGNATURE:



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FOR THE FIRM: NELSON H. ORTIZ (CIVIL)  
PE-57556

PROJECT TITLE:

**PUBLIX AT DORAL PLAZA**  
STORE No. 0031

9755 N.W. 41st STREET  
CITY OF DORAL, FLORIDA 33178

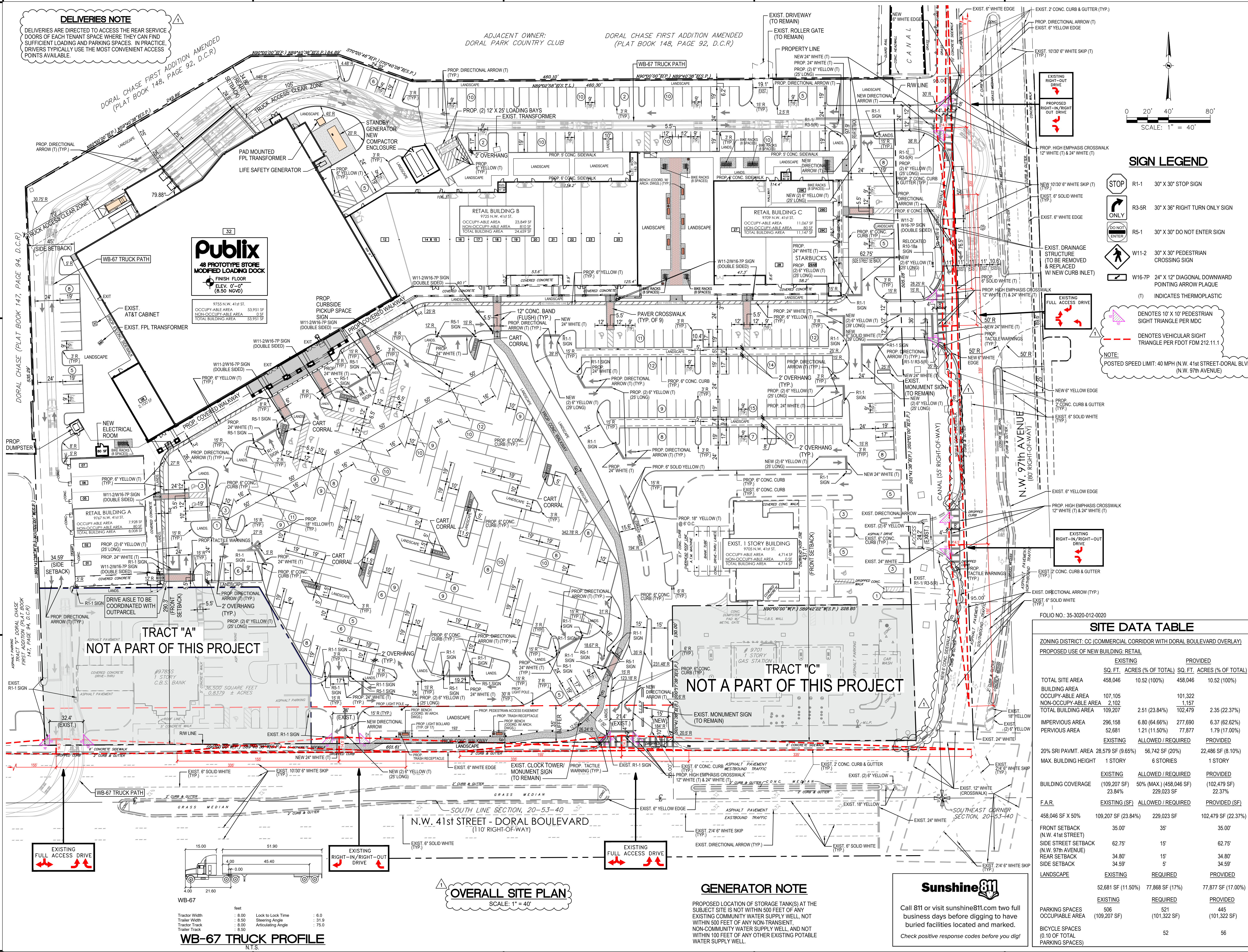
Folio No. 35-3020-012-0020

EQUITY DEVELOPMENT GROUP, LLC  
6420 CONGRESS AVENUE, SUITE 1800  
BOCA RATON, FLORIDA 33487

ISSUE:

NO. DATE REVISIONS BY  
1 07/10/2025 M-D TPW TCD COMMENTS

SITE PLAN - NOT FOR CONSTRUCTION 04-01-2025



**SIGN LEGEND**

- R1-1 30" X 30" STOP SIGN
- R3-5R 30" X 36" RIGHT TURN ONLY SIGN
- RS-1 30" X 30" DO NOT ENTER SIGN
- W11-2 30" X 30" PEDESTRIAN CROSSING SIGN
- W16-7P 24" X 12" DIAGONAL DOWNWARD POINTING ARROW PLAQUE
- (T) INDICATES THERMOPLASTIC

NOTE:  
DENOTES 10' X 10' PEDESTRIAN SIGHT TRIANGLE PER MDC  
DENOTES VEHICULAR SIGHT TRIANGLE PER FDOT FM 212.11.1  
POSTED SPEED LIMIT: 40 MPH (N.W. 41st STREET-DORAL BLVD.) (N.W. 97th AVENUE)

**SITE DATA TABLE**

ZONING DISTRICT: CC (COMMERCIAL CORRIDOR WITH DORAL BOULEVARD OVERLAY)  
PROPOSED USE OF NEW BUILDING: RETAIL

	EXISTING		PROVIDED	
	SQ. FT.	ACRES (% OF TOTAL)	SQ. FT.	ACRES (% OF TOTAL)
TOTAL SITE AREA	458,046	10.52 (100%)	458,046	10.52 (100%)
BUILDING AREA	107,105		101,322	
OCCUPYABLE AREA	2,102		1,157	
NON-OCCUPYABLE AREA	109,207	2.51 (23.84%)	102,479	2.35 (22.37%)
IMPERVIOUS AREA	296,158	6.80 (64.66%)	277,690	6.37 (62.62%)
PERVIOUS AREA	52,681	1.21 (11.50%)	77,877	1.79 (17.00%)
20% SRI PAVMT. AREA	28,579 SF (9.65%)		56,742 SF (20%)	22,486 SF (8.10%)
MAX. BUILDING HEIGHT	1 STORY		6 STORIES	1 STORY
BUILDING COVERAGE	(109,207 SF) 23.84%		(102,479 SF) 22.37%	
F.A.R.	EXISTING (SF)	ALLOWED / REQUIRED	PROVIDED	
458,046 SF X 50%	109,207 SF (23.84%)	229,023 SF	102,479 SF (22.37%)	
FRONT SETBACK (N.W. 41st STREET)	35.00'	35'	35.00'	
SIDE STREET SETBACK (N.W. 97th AVENUE)	62.75'	15'	62.75'	
REAR SETBACK	34.80'	15'	34.80'	
SIDE SETBACK	34.59'	5'	34.59'	
LANDSCAPE	EXISTING	REQUIRED	PROVIDED	
	52,681 SF (11.50%)	77,868 SF (17%)	77,877 SF (17.00%)	
PARKING SPACES	506	521	445	
OCCUPYABLE AREA	(109,207 SF)	(101,322 SF)	(101,322 SF)	
BICYCLE SPACES (0.10 OF TOTAL PARKING SPACES)		52	56	

**Publix**  
48 PROTOTYPE STORE  
MODIFIED LOADING DOCK  
FINISH FLOOR  
ELEV. 0'-0" (8.50 NGVD)

9755 N.W. 41st ST.  
OCCUPYABLE AREA 23,849 SF  
NON-OCCUPYABLE AREA 8,805 SF  
TOTAL BUILDING AREA 33,951 SF



**OVERALL SITE PLAN**  
SCALE: 1" = 40'

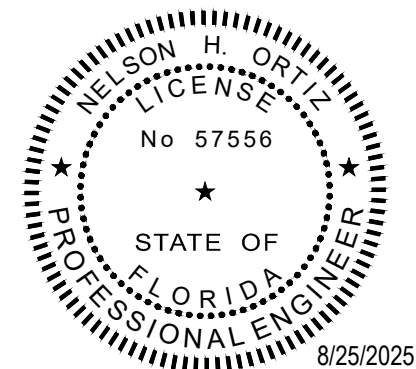
**GENERATOR NOTE**

PROPOSED LOCATION OF STORAGE TANK(S) AT THE SUBJECT SITE IS NOT WITHIN 500 FEET OF ANY EXISTING COMMUNITY WATER SUPPLY WELL, NOT WITHIN 500 FEET OF ANY NON-TRANSIENT, NON-COMMUNITY WATER SUPPLY WELL, AND NOT WITHIN 100 FEET OF ANY OTHER EXISTING POTABLE WATER SUPPLY WELL.



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

**C-1**



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY NELSON H. ORTIZ, P.E. 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.

FOR THE FIRM: NELSON H. ORTIZ (CIVIL)  
 PE-57556

PROJECT TITLE:

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 STORE No. 0031

9755 N.W. 41st STREET  
 CITY OF DORAL, FLORIDA 33178

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APPROVED BY: N.H.O.

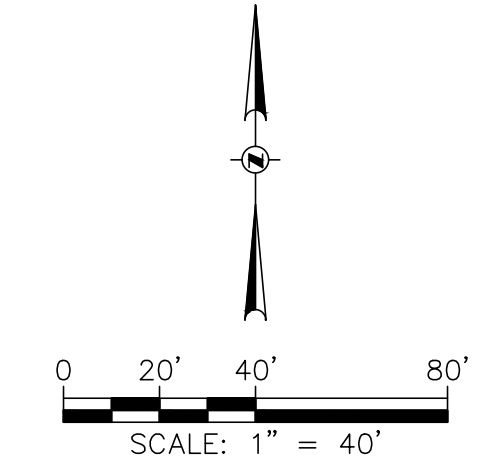
SCALE: AS SHOWN

SHEET TITLE:

SITE UTILITY PLAN

SHEET NUMBER:

# C-2

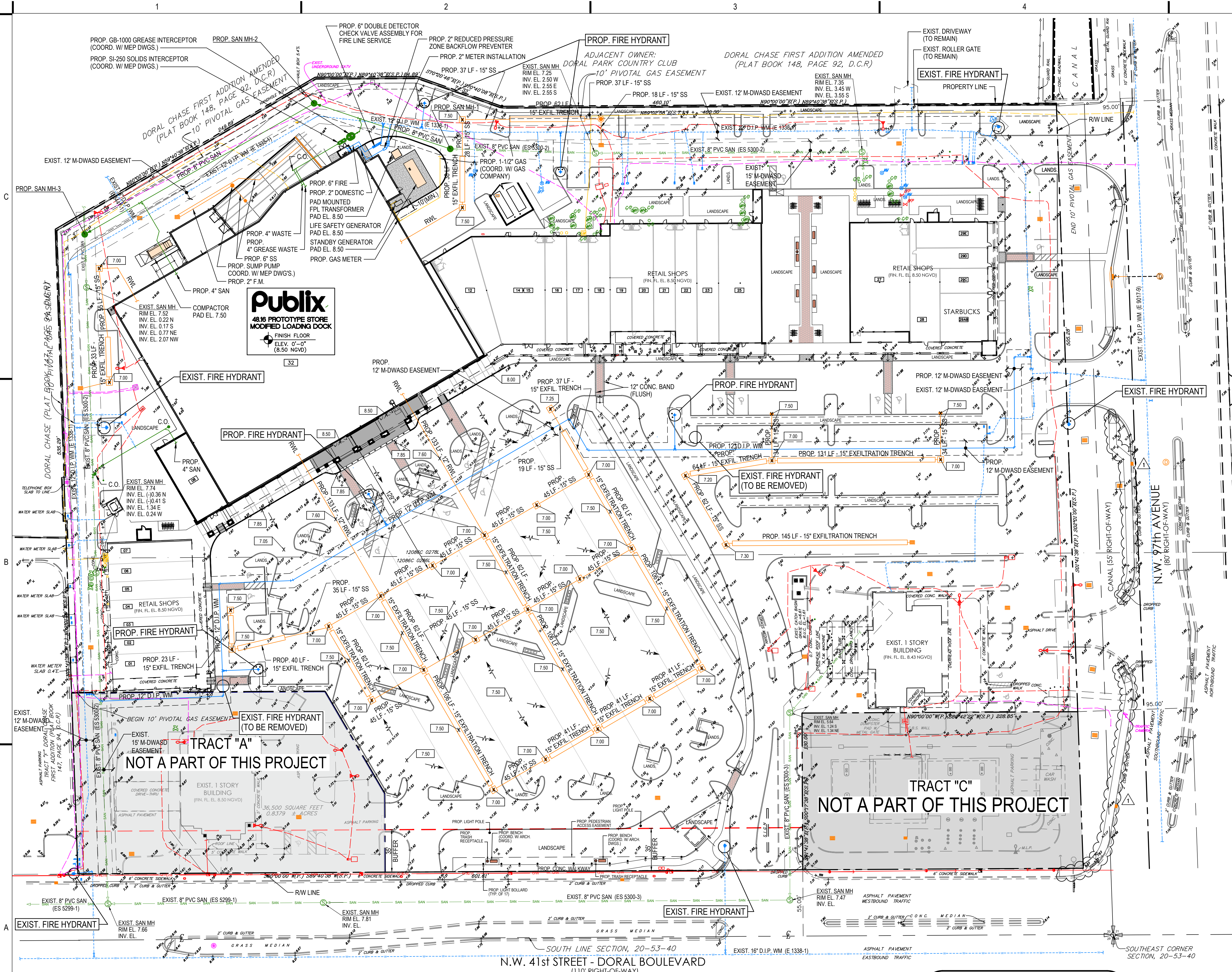


### PAVING-GRADING-DRAINAGE LEGEND

- EXISTING SPOT ELEVATION
- NEW SPOT ELEVATION
- EXIST. CATCH BASIN
- EXIST. STORM PIPE
- PROP. CATCH BASIN
- PROP. MANHOLE
- PROP. STORM PIPE
- PROP. EXFILTRATION TRENCH
- FLOW ARROW

### WATER AND SEWER LEGEND

- | EXISTING     | PROPOSED      |
|--------------|---------------|
| Water Main   | WM            |
| Gate Valve   | Gate Valve    |
| Fire Hydrant | Fire Hydrant  |
| San. Manhole | San.          |
| San. Main    | San.          |
| N/A          | San. Cleanout |



### GENERAL NOTES

- ALL VERTICAL BENDS ARE TO BE RESTRAINED PER WASD STANDARD DETAIL GS 2.0.
- METER(S) WILL NOT BE INSTALLED IF METER BOX IS IN DRIVING SURFACE.
- DEVELOPER/UTILITY CONTRACTOR IS RESPONSIBLE FOR OFFSETTING UNDERGROUND UTILITIES IN CONFLICT WITH WASD WATER/SEWER ASSETS BEFORE BLDG. PLUMBING CONSTRUCTION, TYP.

### FIRE NOTE

ALL UNDERGROUND FIRE MAIN WORK WILL BE COMPLETED BY A CONTRACTOR HOLDING A CLASS I, II, OR V LICENSE PER FS 633.102.

### SITE UTILITY PLAN

SCALE: 1" = 40'

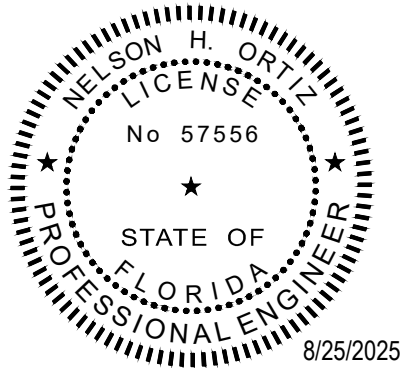
**VERTICAL DATUM**  
 ALL ELEVATIONS SHOWN REFER TO NGVD 1929

### GREASE INTERCEPTORS NOTE

- (NOT A PART OF M-D WASD NOTES OR APPROVAL)
- PROPOSED GREASE INTERCEPTORS ARE FOR REFERENCE ONLY AND ARE NOT A PART OF DERM OR DERM SE PERMIT.
  - GREASE INTERCEPTORS WILL BE PROCESSED UNDER A SEPARATE PROCESS NUMBER.
  - DESIGN AND PERMITTING OF GREASE INTERCEPTORS WILL BE BY MEP.



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



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY NELSON H. ORTIZ, P.E. 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.

FOR THE FIRM: PE-57556 NELSON H. ORTIZ (CIVIL)

PROJECT TITLE:

**PUBLIX AT DORAL PLAZA**  
 STORE No. 0031  
 9755 N.W. 41st STREET  
 CITY OF DORAL, FLORIDA 33178

Folio No. 35-3020-012-0020

EQUITY DEVELOPMENT GROUP, LLC  
 6420 CONGRESS AVENUE, SUITE 1800  
 BOCA RATON, FLORIDA 33487

ISSUE:

NO.	DATE	REVISIONS	BY
1	07/10/2025	M-D TPW	TED COMMENTS

PROJECT INFORMATION:

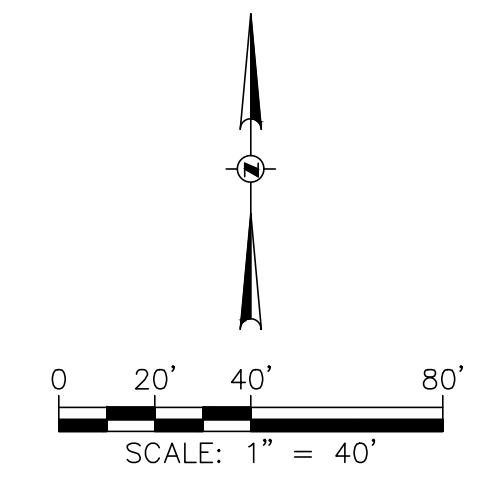
PROJECT NUMBER: 2024-7005  
 DATE: 04/02/24  
 DRAWN BY: G.G.G.  
 CHECKED BY: N.H.O.  
 APPROVED BY: N.H.O.  
 SCALE: AS SHOWN

SHEET TITLE:

PAVING PLAN OPTION 2

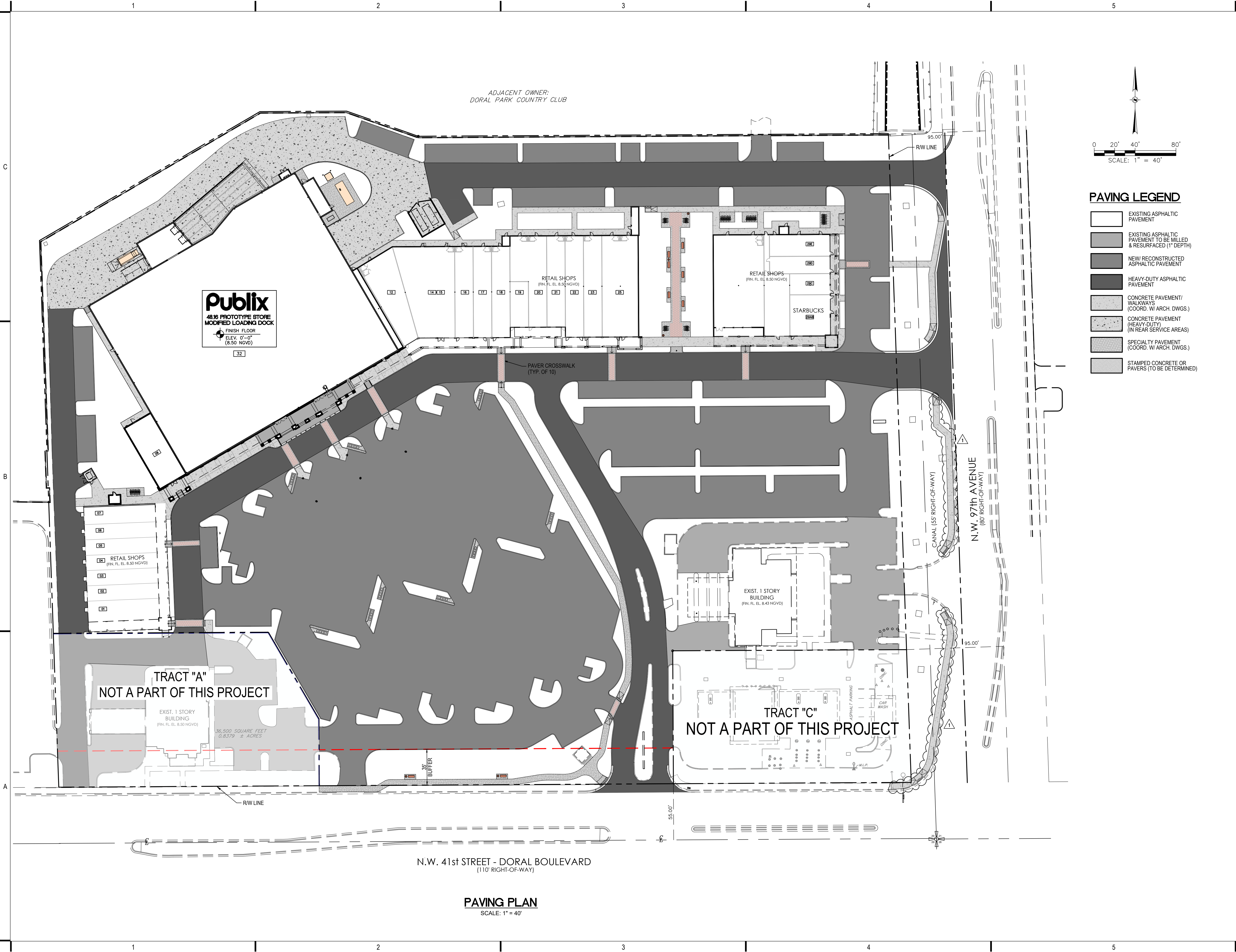
SHEET NUMBER:

ADJACENT OWNER:  
 DORAL PARK COUNTRY CLUB



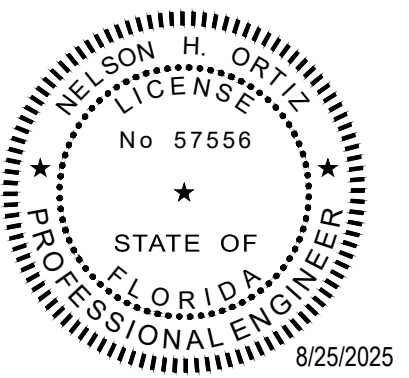
### PAVING LEGEND

- EXISTING ASPHALTIC PAVEMENT
- EXISTING ASPHALTIC PAVEMENT TO BE MILLED & RESURFACED (1" DEPTH)
- NEW RECONSTRUCTED ASPHALTIC PAVEMENT
- HEAVY-DUTY ASPHALTIC PAVEMENT
- CONCRETE PAVEMENT/WALKWAYS (COORD. W/ ARCH. DWGS.)
- CONCRETE PAVEMENT (HEAVY-DUTY) (IN REAR SERVICE AREAS)
- SPECIALTY PAVEMENT (COORD. W/ ARCH. DWGS.)
- STAMPED CONCRETE OR PAVERS (TO BE DETERMINED)



N.W. 41st STREET - DORAL BOULEVARD  
 (110' RIGHT-OF-WAY)

**PAVING PLAN**  
 SCALE: 1" = 40'



8/25/2025  
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FOR THE FIRM: NELSON H. ORTIZ (CIVIL)  
 PE-57556

PROJECT TITLE:

**PUBLIX AT DORAL PLAZA STORE No. 0031**

9755 N.W. 41st STREET  
 CITY OF DORAL, FLORIDA 33178

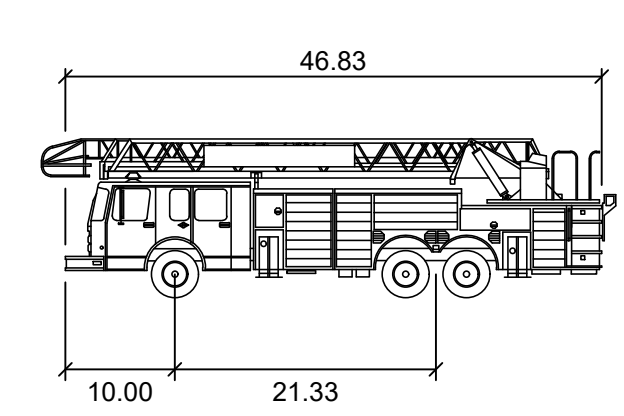
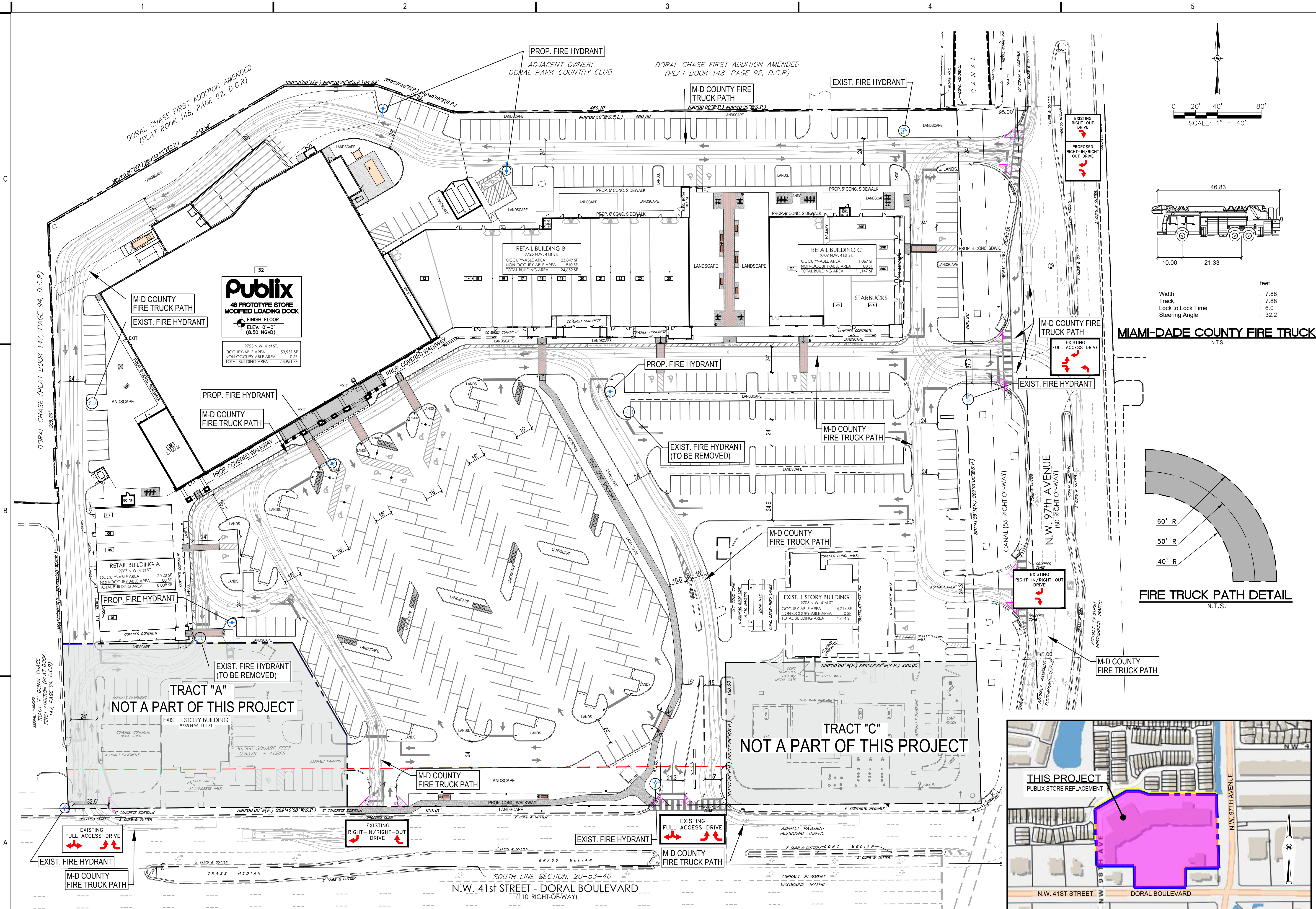
Folio No. 35-3020-012-0020

EQUITY DEVELOPMENT GROUP, LLC  
 6420 CONGRESS AVENUE, SUITE 1800  
 BOCA RATON, FLORIDA 33487

ISSUE:

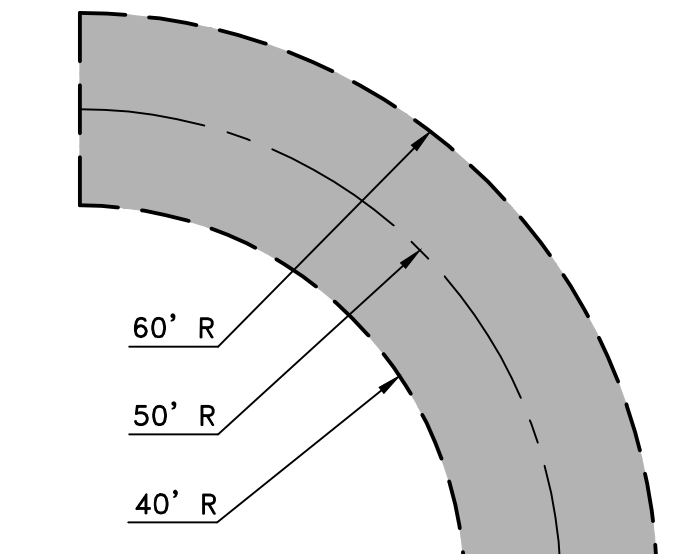
NO.	DATE	REVISIONS	BY
1	07/10/2025	M-D TPW TED COMMENTS	

SITE PLAN - NOT FOR CONSTRUCTION 04-01-2025

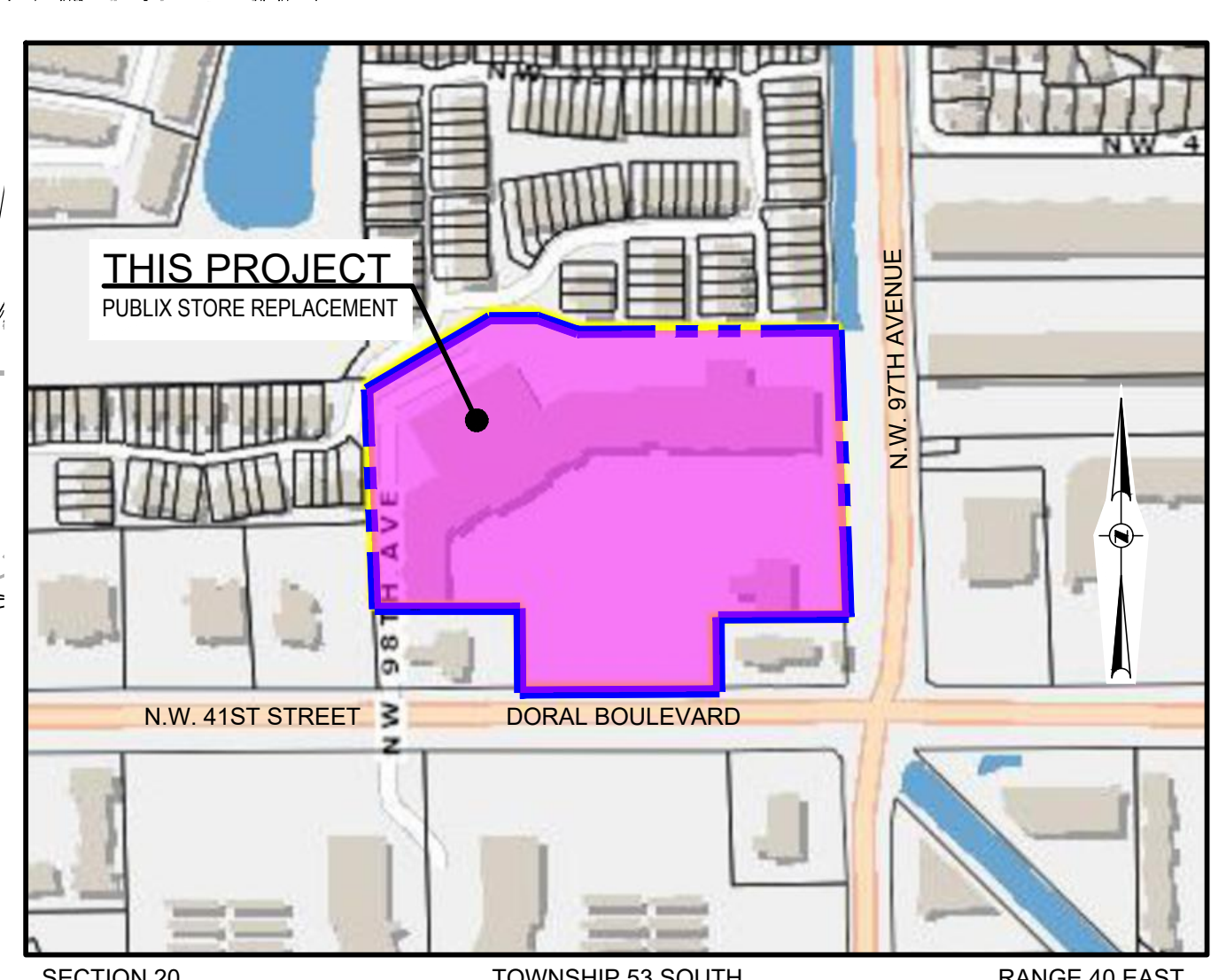


Parameter	Value (feet)
Width	7.88
Track	7.88
Lock to Lock Time	6.0
Steering Angle	32.2

MIAMI-DADE COUNTY FIRE TRUCK  
 N.T.S.



FIRE TRUCK PATH DETAIL  
 N.T.S.



LOCATION SKETCH  
 N.T.S.

**LEGAL DESCRIPTION**

PARCEL 1:  
 TRACT "B", DORAL PARK PLAZA, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 129, PAGE 1 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

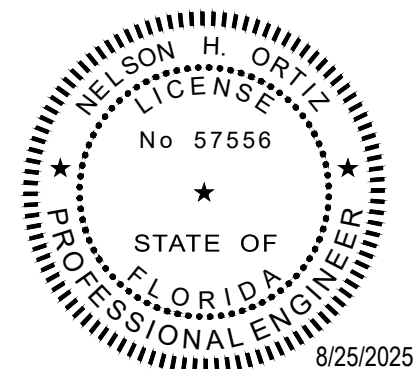
PARCEL 2:  
 NON-EXCLUSIVE EASEMENTS FOR INGRESS AND EGRESS PURPOSES FOR THE BENEFIT OF PARCEL 1 ABOVE CREATED BY, AND MORE PARTICULARLY DESCRIBED IN THE RECIPROCAL ACCESS AGREEMENT AND OPERATION AGREEMENT BETWEEN DORAL PARK JOINT VENTURE AND CURTIS JAMES INVESTMENTS RECORDED IN OFFICIAL RECORDS BOOK 17172, PAGE 2315 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA AND CONTAINING 494,554 SQUARE FEET OR 11.3534 ACRES, MORE OR LESS.

**FIRE SITE PLAN**  
 SCALE: 1" = 40'

PROJECT INFORMATION:  
 PROJECT NUMBER: 2024-7005  
 DATE: 04/02/24  
 DRAWN BY: G.G.G.  
 CHECKED BY: N.H.O.  
 APPROVED BY: N.H.O.  
 SCALE: AS SHOWN

SHEET TITLE:  
 FIRE SITE PLAN

SHEET NUMBER:  
**FSP-1**



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY NELSON H. ORTIZ, P.E. 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.

FOR THE FIRM: NELSON H. ORTIZ (CIVIL)  
 PE-57556

PROJECT TITLE:

**PUBLIX AT DORAL PLAZA**  
 STORE No. 0031  
 9755 N.W. 41st STREET  
 CITY OF DORAL, FLORIDA 33178

Folio No. 35-3020-012-0020

EQUITY DEVELOPMENT GROUP, LLC  
 6420 CONGRESS AVENUE, SUITE 1800  
 BOCA RATON, FLORIDA 33487

ISSUE:

NO.	DATE	REVISIONS	BY
1	07/10/2025	M-D TPW TED COMMENTS	

PROJECT INFORMATION:

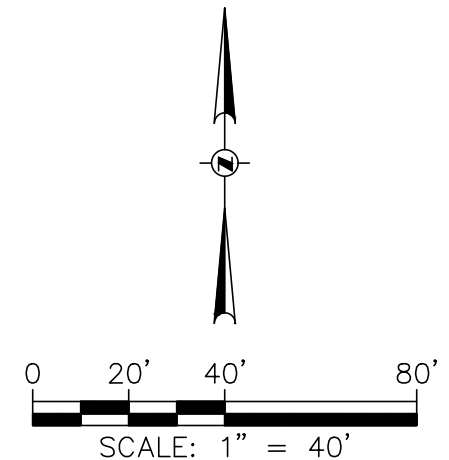
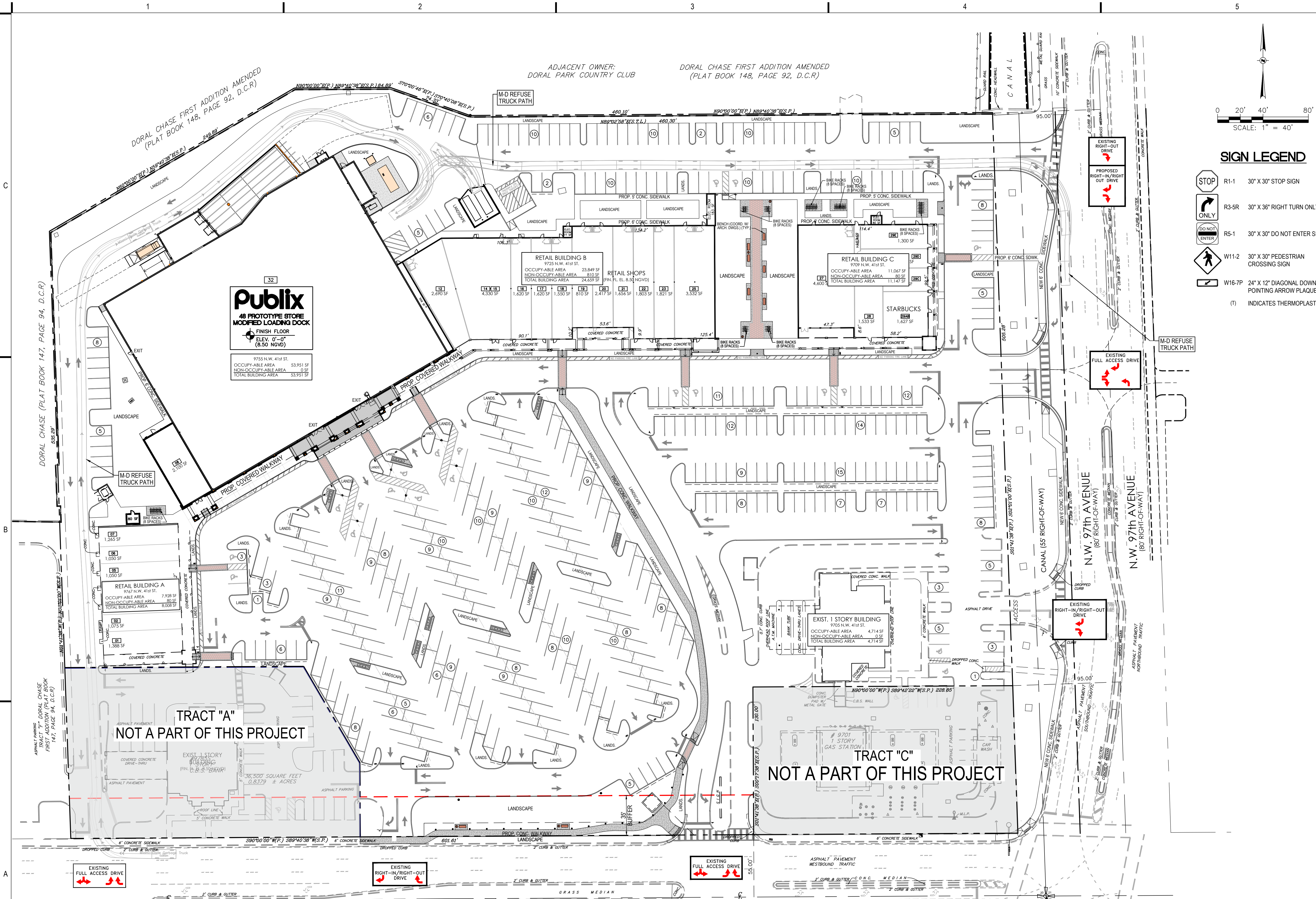
PROJECT NUMBER: 2024-7005  
 DATE: 04/02/24  
 DRAWN BY: G.G.G.  
 CHECKED BY: N.H.O.  
 APPROVED BY: N.H.O.  
 SCALE: AS SHOWN

SHEET TITLE:

OVERALL SITE PLAN  
 REFUSE TRUCK PATH - 1

SHEET NUMBER:

# TP-1



### SIGN LEGEND

- R1-1 30" X 30" STOP SIGN
  - R3-5R 30" X 36" RIGHT TURN ONLY SIGN
  - R5-1 30" X 30" DO NOT ENTER SIGN
  - W11-2 30" X 30" PEDESTRIAN CROSSING SIGN
  - W16-7P 24" X 12" DIAGONAL DOWNWARD POINTING ARROW PLAQUE
- (T) INDICATES THERMOPLASTIC

**Publix**  
 48 PROTOTYPE STORE  
 MODIFIED LOADING DOCK  
 FINISH FLOOR  
 ELEV. 0'-0" (8.50 NGVD)

RETAIL BUILDING A  
 9747 N.W. 41st ST.  
 OCCUPY-ABLE AREA 7,928 SF  
 NON-OCCUPY-ABLE AREA 80 SF  
 TOTAL BUILDING AREA 8,008 SF

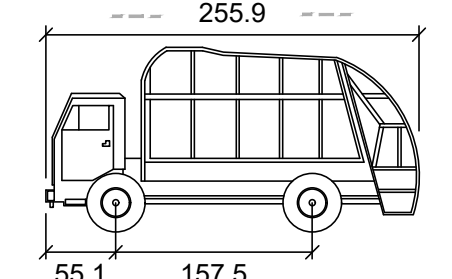
RETAIL BUILDING B  
 9725 N.W. 41st ST.  
 OCCUPY-ABLE AREA 23,849 SF  
 NON-OCCUPY-ABLE AREA 810 SF  
 TOTAL BUILDING AREA 24,659 SF

RETAIL BUILDING C  
 9729 N.W. 41st ST.  
 OCCUPY-ABLE AREA 11,067 SF  
 NON-OCCUPY-ABLE AREA 80 SF  
 TOTAL BUILDING AREA 11,147 SF

EXIST. 1 STORY BUILDING  
 9705 N.W. 41st ST.  
 OCCUPY-ABLE AREA 4,714 SF  
 NON-OCCUPY-ABLE AREA 0 SF  
 TOTAL BUILDING AREA 4,714 SF

TRACT "A"  
 NOT A PART OF THIS PROJECT

TRACT "C"  
 NOT A PART OF THIS PROJECT



Miami-Dade Garbage Truck  
 VEHICLE PROFILE  
 N.T.S.

### OVERALL SITE PLAN REFUSE TRUCK PATH-1

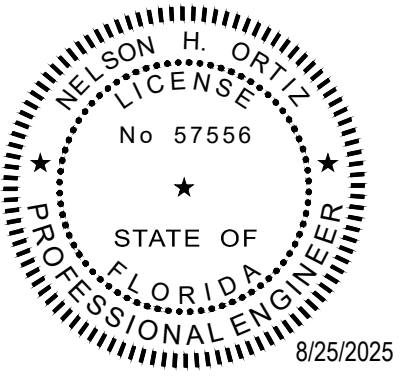
SCALE: 1" = 40'

### GENERATOR NOTE

PROPOSED LOCATION OF STORAGE TANK(S) AT THE SUBJECT SITE IS NOT WITHIN 500 FEET OF ANY EXISTING COMMUNITY WATER SUPPLY WELL, NOT WITHIN 500 FEET OF ANY NON-TRANSIENT, NON-COMMUNITY WATER SUPPLY WELL, AND NOT WITHIN 100 FEET OF ANY OTHER EXISTING POTABLE WATER SUPPLY WELL.



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



8/25/2025  
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FOR THE FIRM: NELSON H. ORTIZ (CIVIL)  
 PE-57556

PROJECT TITLE:

**PUBLIX AT DORAL PLAZA**  
 STORE No. 0031  
 9755 N.W. 41st STREET  
 CITY OF DORAL, FLORIDA 33178

Folio No. 35-3020-012-0020

EQUITY DEVELOPMENT GROUP, LLC  
 6420 CONGRESS AVENUE, SUITE 1800  
 BOCA RATON, FLORIDA 33487

ISSUE:

NO.	DATE	REVISIONS	BY
1	07/10/2025	M-D TPW TED COMMENTS	

PROJECT INFORMATION:

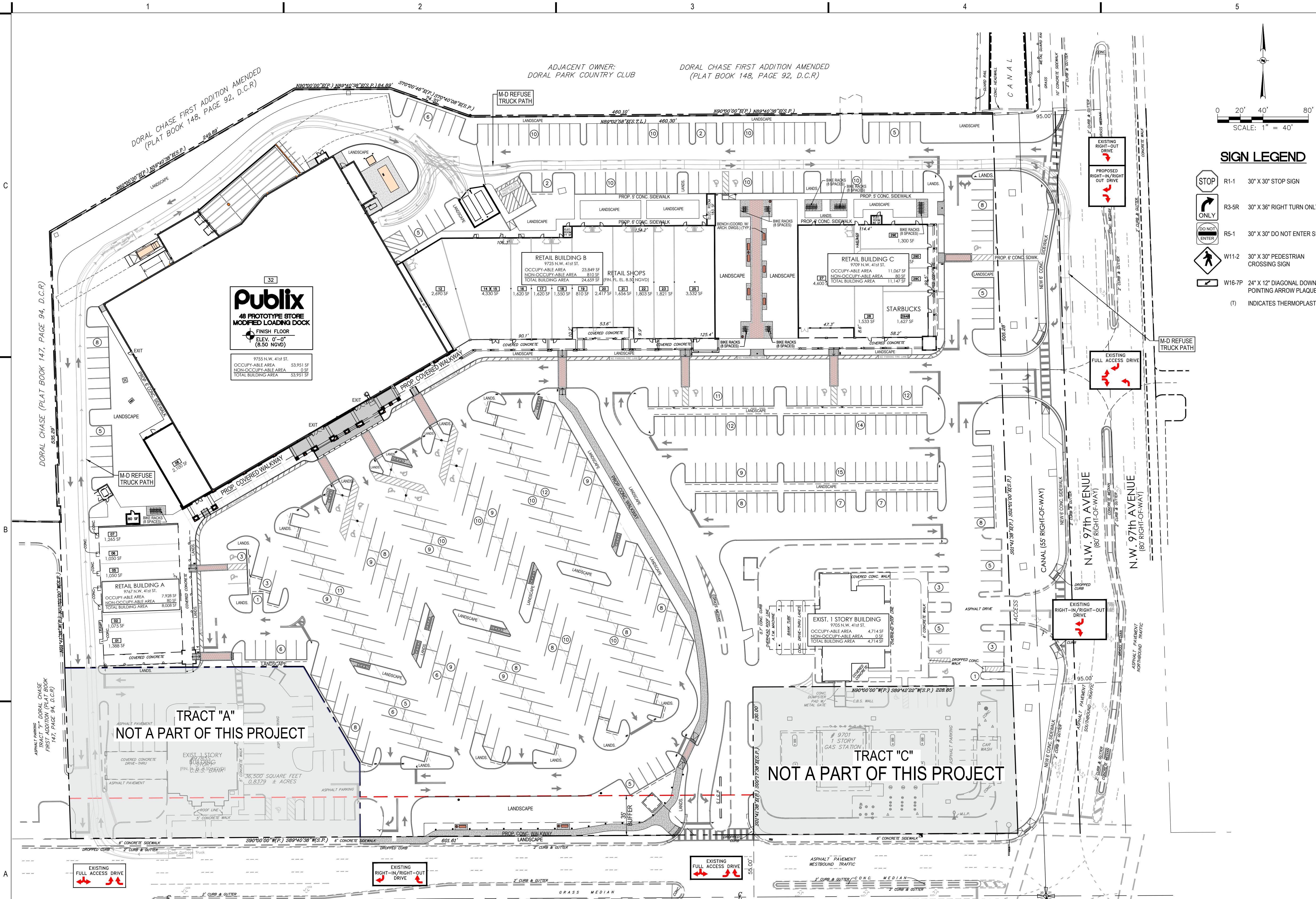
PROJECT NUMBER: 2024-7005  
 DATE: 04/02/24  
 DRAWN BY: G.G.G.  
 CHECKED BY: N.H.O.  
 APPROVED BY: N.H.O.  
 SCALE: AS SHOWN

SHEET TITLE:

OVERALL SITE PLAN  
 REFUSE TRUCK PATH - 2

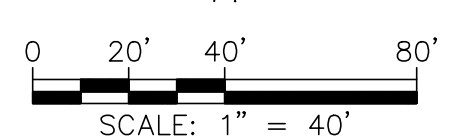
SHEET NUMBER:

# TP-2



### SIGN LEGEND

- R1-1 30" X 30" STOP SIGN
- R3-5R 30" X 36" RIGHT TURN ONLY SIGN
- R5-1 30" X 30" DO NOT ENTER SIGN
- W11-2 30" X 30" PEDESTRIAN CROSSING SIGN
- W16-7P 24" X 12" DIAGONAL DOWNWARD POINTING ARROW PLAQUE
- (T) INDICATES THERMOPLASTIC



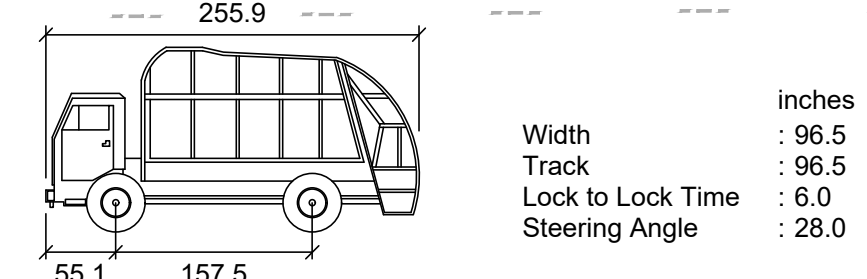
**Publix**  
 48 PROTOTYPE STORE  
 MODIFIED LOADING DOCK  
 FINISH FLOOR  
 ELEV. 0'-0" (8.50 NGVD)

RETAIL BUILDING A  
 9747 N.W. 41st ST.  
 OCCUPYABLE AREA 7,928 SF  
 NON-OCCUPYABLE AREA 80 SF  
 TOTAL BUILDING AREA 8,008 SF

RETAIL BUILDING B  
 9725 N.W. 41st ST.  
 OCCUPYABLE AREA 23,849 SF  
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 TOTAL BUILDING AREA 24,659 SF

RETAIL BUILDING C  
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 NON-OCCUPYABLE AREA 80 SF  
 TOTAL BUILDING AREA 11,147 SF

EXIST. 1 STORY BUILDING  
 9705 N.W. 41st ST.  
 OCCUPYABLE AREA 4,714 SF  
 NON-OCCUPYABLE AREA 0 SF  
 TOTAL BUILDING AREA 4,714 SF



### OVERALL SITE PLAN REFUSE TRUCK PATH-2

SCALE: 1" = 40'

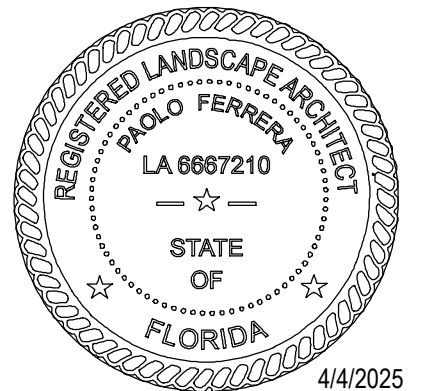
### GENERATOR NOTE

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

X:\MIA\2019\201907049\Design\Latest Drawings (02-25-25)\C-1 SITE PLAN 8/25/2025 11:20 AM



4/4/2025  
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PAOLO FERRERA, P.L.A. 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.

FOR THE FIRM: PAOLO FERRERA  
LA 6687210

PROJECT TITLE:

PUBLIX AT DORAL PLAZA  
STORE No. 0031

9755 N.W. 41st STREET  
CITY OF DORAL, FLORIDA 33178

Folio No. 35-3020-012-0020/0020

EQUITY DEVELOPMENT GROUP, LLC  
6420 CONGRESS AVENUE, SUITE 1800  
BOCA RATON, FLORIDA 33487

ISSUE:  
NO. DATE REVISIONS BY

SITE PLAN SUBMITTAL - NOT FOR CONSTRUCTION

PROJECT INFORMATION:

PROJECT NUMBER: 2024-7005

DATE: 04/02/24

DRAWN BY: P.F.

CHECKED BY: N.H.O.

APPROVED BY: P.F.

SCALE: AS SHOWN

SHEET TITLE:

TREE DISPOSITION PLAN

SHEET NUMBER:

**TREE BARRIER NOTES**

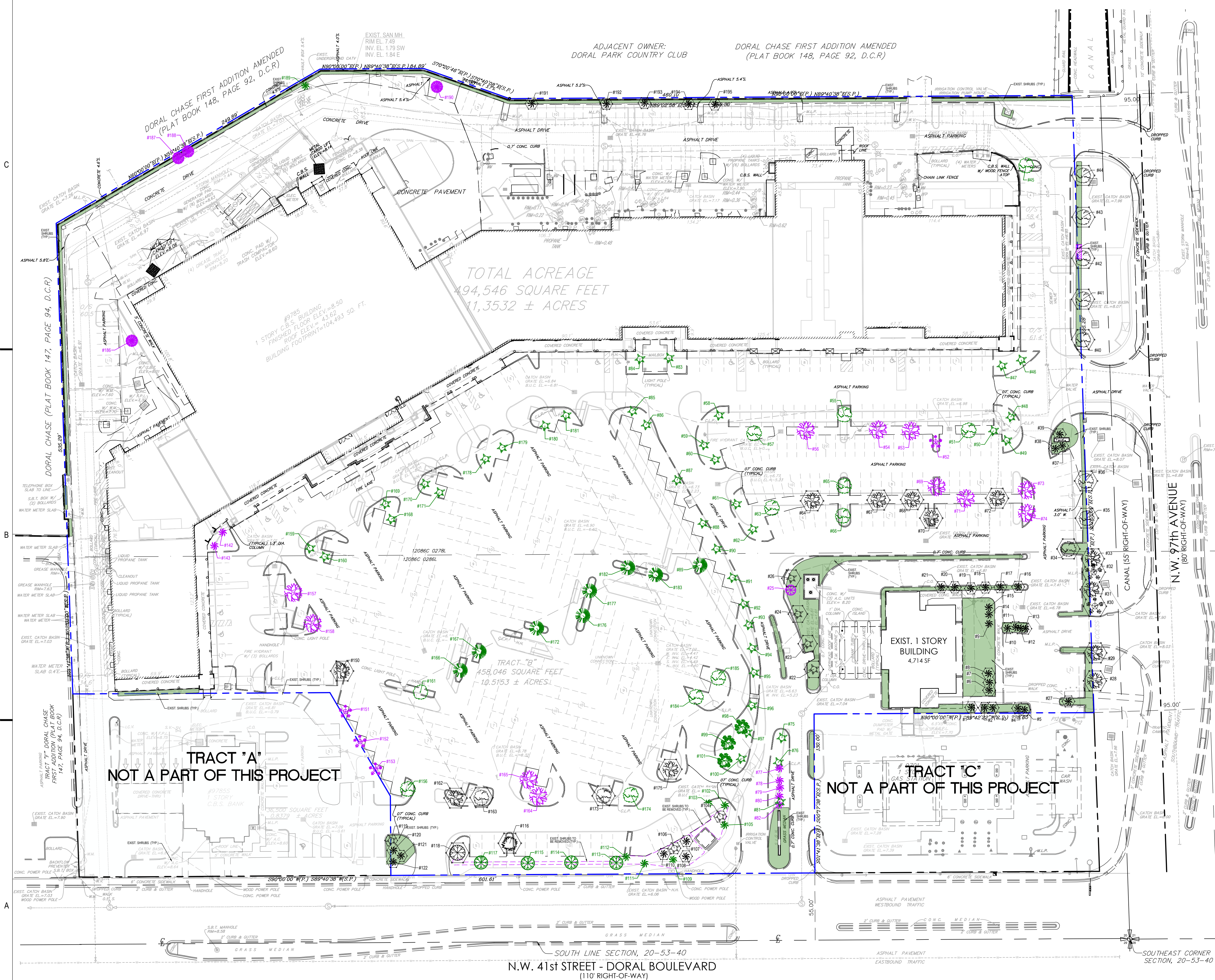
1. ANY TREE OR PALM TO REMAIN IN PLACE THAT IS LOCATED WITHIN 20 FEET OF WORK AREAS SHALL BE PROTECTED WITH BARRIERS AS PER ALL CITY AND COUNTY REQUIREMENTS.
2. TREE BARRIERS SHOWN ON PLAN ARE DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE EXACT DIMENSIONS AND PLACEMENTS IN FIELD. BARRIERS MAY BE PLACED AROUND GROUPS OF TREES/PALMS AS REQUIRED FOR SITE ACCESS AND PROGRESSION OF WORK.
3. CONTRACTOR SHALL PROVIDE 6'-8" BARRIERS AROUND TREES LESS THAN 18" DBH, AND 10'-12" BARRIERS AROUND TREES 18" DBH OR GREATER.
4. REFER TO TREE PROTECTION DETAILS ON SHEET L-1.1.

**SYMBOL LEGEND**

- EXISTING VEGETATION TO BE PROTECTED WITH TREE BARRIERS, AND PRUNED AS REQUIRED FOR INSTALLATION OF PROPOSED IMPROVEMENTS.
  - EXISTING VEGETATION TO BE RELOCATED
  - EXISTING VEGETATION TO BE REMOVED AND MITIGATED AS APPLICABLE
  - EXISTING VEGETATION NOT IN SCOPE
  - EXISTING SHRUBS TO REMAIN
  - EXISTING SHRUBS TO BE REMOVED
- NOTE: SEE TREE TABLE FOR ALL EXISTING VEGETATION DATA.

**INDEX OF DRAWINGS**

DWG. NO.	TITLE
L-1.0	TREE DISPOSITION PLAN
L-1.1	TREE TABLE AND NOTES
L-1.2	TREE TABLE
L-1.3	TREE TABLE
L-1.4	TREE PROTECTION SPECIFICATIONS
L-2.0	PLANTING PLAN
L-2.1	LANDSCAPE LEGEND, NOTES AND PLANTING SCHEDULE
L-2.2	LANDSCAPE DETAILS
L-2.3	LANDSCAPE SPECIFICATIONS
L-3.0	IRRIGATION PLAN
L-3.1	IRRIGATION SCHEDULES, NOTES AND DETAILS
L-3.2	IRRIGATION SPECIFICATIONS



TOTAL ACREAGE  
494,546 SQUARE FEET  
11,3532 ± ACRES

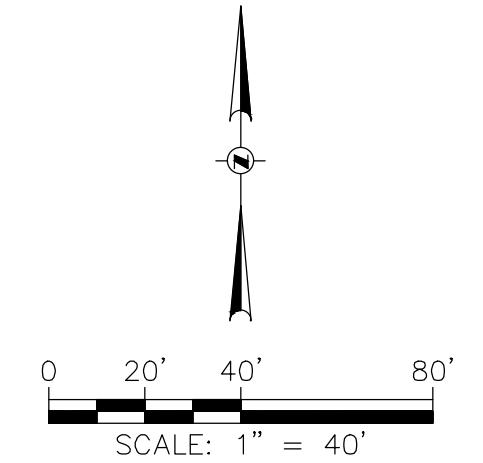
TRACT "B"  
458,046 SQUARE FEET  
10.5153 ± ACRES

EXIST. 1 STORY BUILDING  
4,714 SF

TRACT "A"  
NOT A PART OF THIS PROJECT

SOUTH LINE SECTION, 20-53-40  
N.W. 41st STREET - DORAL BOULEVARD  
(110' RIGHT-OF-WAY)

**TREE DISPOSITION PLAN**  
SCALE: 1" = 40'

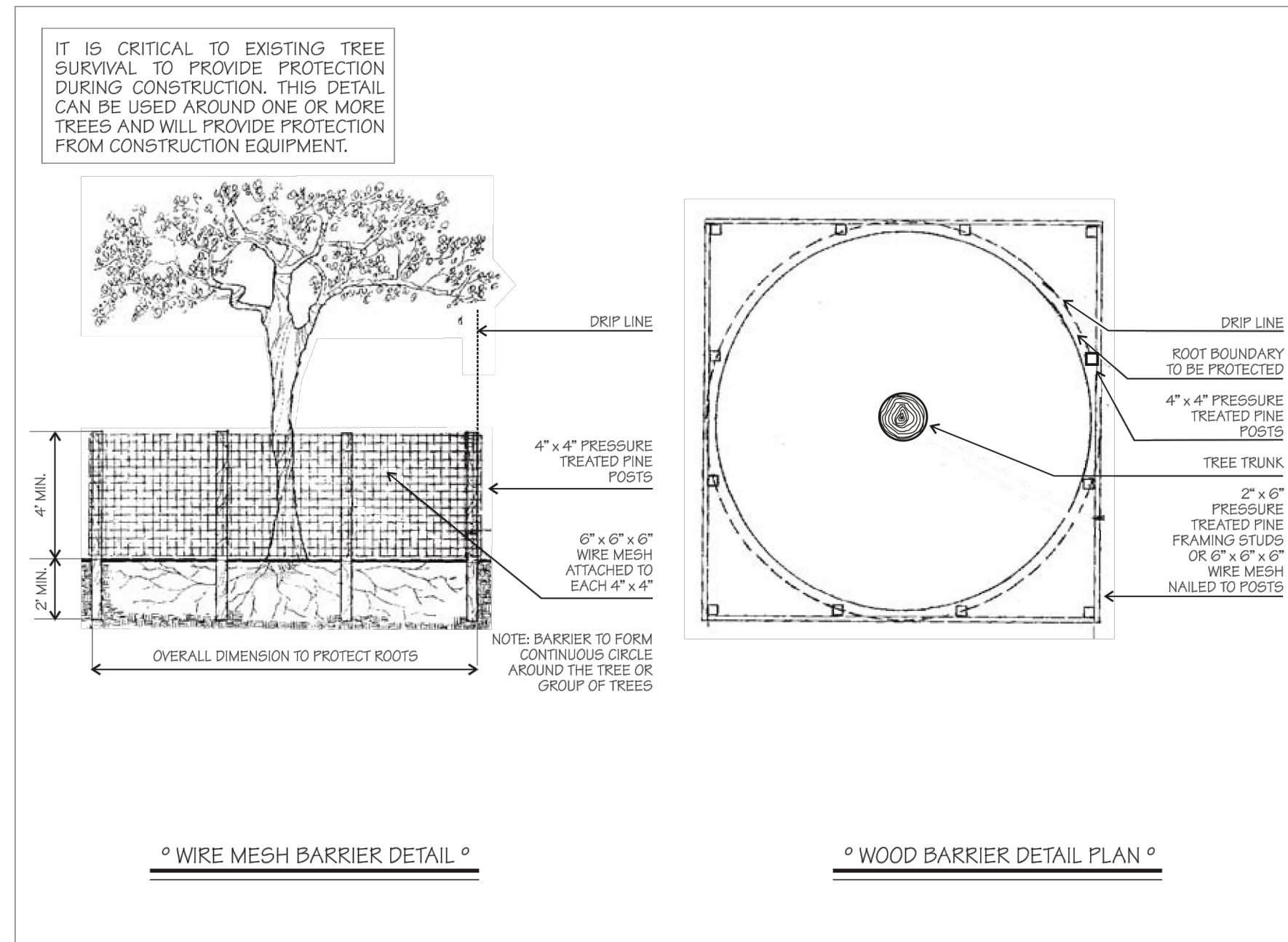


Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked. Check positive response codes before you dig!

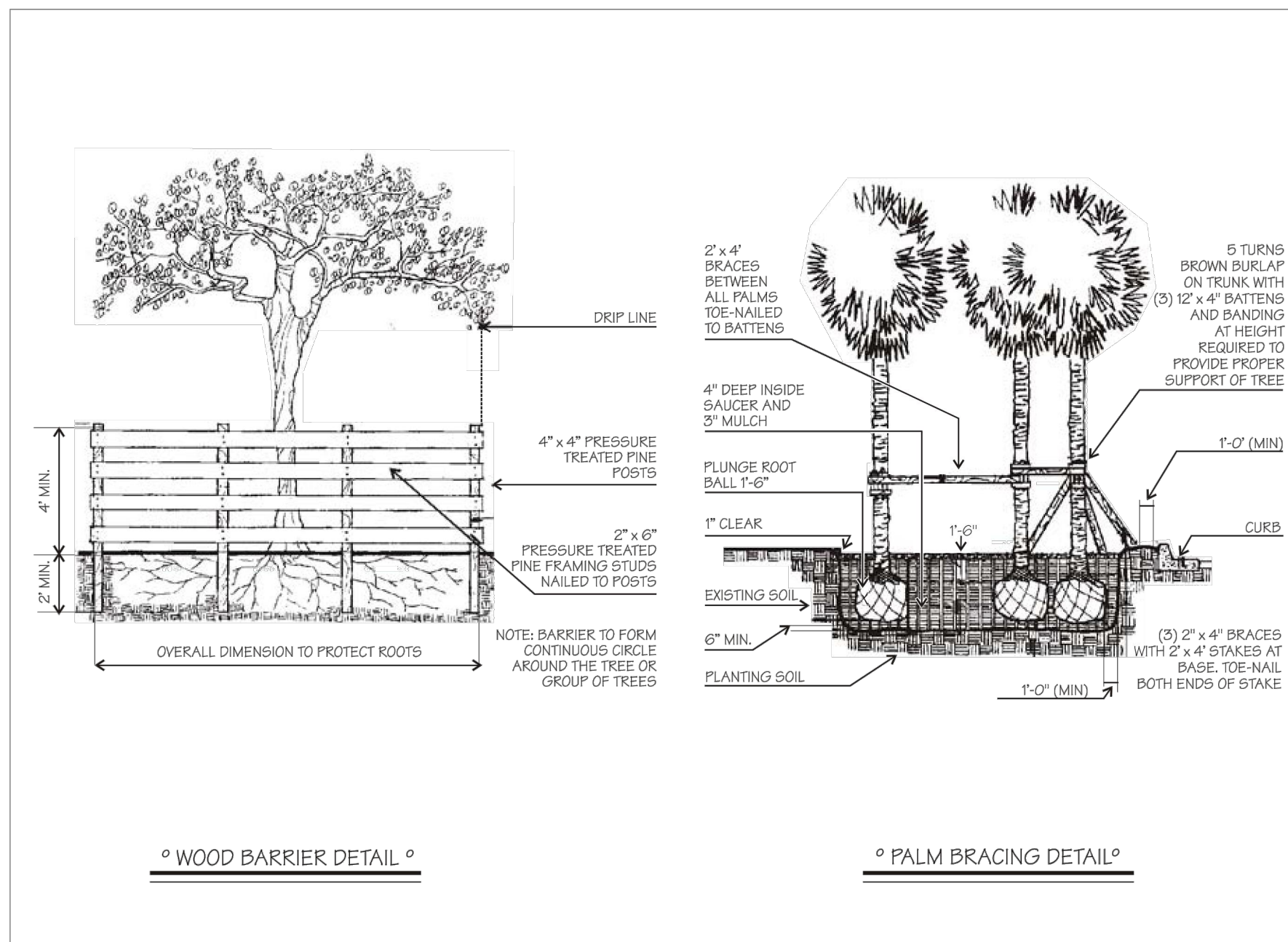
**TREE DISPOSITION NOTES**

- ALL TREE/PALM PRUNING, TREE/PALM PROTECTION AND PLANTING WORK SHALL BE PERFORMED IN COMPLIANCE WITH APPLICABLE REQUIREMENTS OF GOVERNING AUTHORITIES HAVING JURISDICTION, INCLUDING CITY OF DORAL, MIAMI-DADE COUNTY REORDER, AND LATEST ANSI A300 STANDARDS.
- TREE TABLE DATA IS BASED ON SURVEY PREPARED BY CONTROL POINT ASSOCIATES FL LLC, FT. LAUDERDALE, FLORIDA, DATED 03/26/2024.
- REFER TO TREE PROTECTION SPECIFICATIONS FOR ADDITIONAL CONTRACT REQUIREMENTS.
- CONTRACTOR SHALL PROTECT ALL EXISTING PAVEMENTS, FENCING, VEGETATION, SHRUBS, GROUND COVER, SOD, UTILITIES, IRRIGATION EQUIPMENT, AND OTHER SITE INFRASTRUCTURE INDICATED TO REMAIN WITHIN WORK AREAS FROM DAMAGE DURING PROGRESS OF WORK; AND SHALL RESTORE OR REPLACE ALL SUCH ITEMS DAMAGED DURING PROGRESS OF WORK TO MATCH EXISTING.
- ALL EXISTING SHRUBS AND GROUND COVERS LOCATED WITHIN PROJECT WORK AREAS SHALL BE COMPLETELY REMOVED. ALL VEGETATION LOCATED ADJACENT TO EXISTING RETAIL SPACES SHALL REMAIN IN PLACE.
- PROTECTIVE VEGETATION BARRIERS SHALL BE PROVIDED IN COMPLIANCE WITH ALL MDC REQUIREMENTS. PROTECTIVE BARRIERS SHALL BE PLACED AROUND EACH TREE OR PALM NO LESS THAN TEN FEET (IN RADIUS) FROM THE TRUNK OF ANY PROTECTED TREE OR PALM. PROTECTIVE BARRIERS SHALL BE A MINIMUM OF FOUR FEET ABOVE GROUND LEVEL AND SHALL BE CONSTRUCTED OF WOOD, PLASTIC OR METAL, AND SHALL REMAIN IN PLACE UNTIL DEVELOPMENT IS COMPLETED. PROTECTIVE BARRIERS SHALL BE IN PLACE PRIOR TO THE START OF ANY CONSTRUCTION.
- ONLY CLEARING BY HAND IS PERMISSIBLE WITHIN THE DRIFLINE OF TREES DESIGNATED FOR PRESERVATION. THE ROOT SYSTEMS OF TREES SHALL BE PROTECTED AT ALL TIMES. IF ROOTS ARE EXPOSED, THE CONTRACTOR SHALL PROVIDE TEMPORARY EARTH COVER MIXED WITH PEAT MOSS AND WRAPPED WITH BURLAP TO PREVENT EXPOSED ROOTS FROM DRYING OUT BEFORE PERMANENT BACKFILL IS PLACED. THE CONTRACTOR SHALL ALSO WATER, MAINTAIN IN MOIST CONDITION, AND OTHERWISE TEMPORARILY SUPPORT AND PROTECT THE TREE OR ROOT FROM DAMAGE UNTIL THE TREE OR ROOT IS PERMANENTLY COVERED WITH EARTH.
- NO EXCESS OIL, FILL, EQUIPMENT, BUILDING MATERIALS OR BUILDING DEBRIS SHALL BE PLACED WITHIN THE AREAS SURROUNDED BY PROTECTIVE BARRIERS, NOR SHALL THERE BE DISPOSAL OF ANY WASTE MATERIAL SUCH AS PAINTS, OILS, SOLVENTS, ASPHALT, CONCRETE, MORTAR OR ANY OTHER MATERIAL HARMFUL TO TREES OR UNDERSTORY PLANTS WITHIN THE AREAS SURROUNDED BY PROTECTIVE BARRIERS.
- PROTECTIVE BARRIERS OR PROTECTIVE DESIGNATIONS SHALL REMAIN IN PLACE UNTIL THEY ARE AUTHORIZED TO BE REMOVED BY APPROPRIATE BUILDING OR OTHER FIELD INSPECTION STAFF OR UNTIL RECEIPT OF A CERTIFICATE OF OCCUPANCY.
- ALL LANDSCAPE WORK SHALL BE COORDINATED WITH OTHER DISCIPLINES AS REQUIRED THROUGHOUT DURATION OF WORK.
- CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING AND RELOCATED TREES/PALMS WITHIN PROJECT LIMITS IN A HEALTHY GROWING CONDITION FOR A PERIOD OF AT LEAST ONE (1) YEAR AFTER FINAL ACCEPTANCE. CONTRACTOR SHALL PROVIDE MAINTENANCE AS MAY BE REQUIRED; INCLUDING STAKING, WATERING, PRUNING AND RE-PLANTING TO ENSURE OVERALL HEALTH OF TREES/PALMS.
- ANY EXISTING OR RELOCATED TREE/PALM THAT SHOULD DIE, OR IS OTHERWISE FOUND TO BE UNACCEPTABLE TO THE LANDSCAPE ARCHITECT/ OWNER DURING THE PROGRESSION OF WORK AND THROUGHOUT THE REQUIRED MAINTENANCE PERIOD AFTER FINAL ACCEPTANCE, SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR WITH EQUAL OR BETTER PLANT MATERIAL; AND THE SITE SHALL BE RESTORED AT NO ADDITIONAL COST TO THE OWNER.
- ALL INVASIVE PLANT SPECIES INCLUDED IN LATEST FISC CATEGORY I PLANT LIST SHALL BE REMOVED FROM THE PROJECT SITE IN THEIR ENTIRETY, INCLUDING THE ROOTBALL, ALL SPROUTS AND DROPPINGS. FIELD VERIFY ALL.

**TREE PROTECTION AND SUPPORT**



**TREE PROTECTION AND SUPPORT**



**TREE TABLE**

TREE #	COMMON NAME	BOTANICAL NAME	TYPE	HEIGHT (ft)	WIDTH (ft)	DBH (in)	SPECIMEN	CANOPY AREA (SF)	HEALTH CONDITION	HEALTH CONDITION %	NATIVE	DISPOSITION	MITIGATION REQUIRED	CANOPY AREA (SF) TO BE MITIGATED
1	Sabal Palm	<i>Sabal palmetto</i>	PALM	25	8	10.75		50.27	Good	65%	YES	PROTECT		0.00
2	Sabal Palm	<i>Sabal palmetto</i>	PALM	25	8	10.75		50.27	Good	65%	YES	PROTECT		0.00
3	Sabal Palm	<i>Sabal palmetto</i>	PALM	25	8	9.75		50.27	Good	65%	YES	PROTECT		0.00
4	Sabal Palm	<i>Sabal palmetto</i>	PALM	25	8	13.50		50.27	Good	65%	YES	PROTECT		0.00
5	Sabal Palm	<i>Sabal palmetto</i>	PALM	25	8	10.75		50.27	Good	65%	YES	PROTECT		0.00
6	Sabal Palm	<i>Sabal palmetto</i>	PALM	25	8	12.25		50.27	Good	65%	YES	PROTECT		0.00
7	Sabal Palm	<i>Sabal palmetto</i>	PALM	27.6	8	12.00		50.27	Good	65%	YES	PROTECT		0.00
8	Sabal Palm	<i>Sabal palmetto</i>	PALM	24.8	8	11.50		50.27	Good	65%	YES	PROTECT		0.00
9	Sabal Palm	<i>Sabal palmetto</i>	PALM	25.7	8	11.25		50.27	Good	65%	YES	PROTECT		0.00
10	Christmas Palm	<i>Adonidia merrillii</i>	PALM	17.2	12	6, 6, 6		113.10	Good	65%		PROTECT		0.00
11	Pygmy Date Palm	<i>Phoenix robelenii</i>	PALM	10	6	4.00		28.27	Good	64%		PROTECT		0.00
12	Pygmy Date Palm	<i>Phoenix robelenii</i>	PALM	9	6	3.00		28.27	Good	65%		PROTECT		0.00
13	Pygmy Date Palm	<i>Phoenix robelenii</i>	PALM	12	9	4, 3		63.62	Good	65%		PROTECT		0.00
14	Sabal Palm	<i>Sabal palmetto</i>	PALM	23	8	11.25		50.27	Good	65%	YES	PROTECT		0.00
15	Sabal Palm	<i>Sabal palmetto</i>	PALM	23	8	11.00		50.27	Good	65%	YES	PROTECT		0.00
16	Sabal Palm	<i>Sabal palmetto</i>	PALM	21.5	8	11.25		50.27	Good	65%	YES	PROTECT		0.00
17	Sabal Palm	<i>Sabal palmetto</i>	PALM	21.5	8	12.00		50.27	Good	65%	YES	PROTECT		0.00
18	Sabal Palm	<i>Sabal palmetto</i>	PALM	21.5	8	10.50		50.27	Good	65%	YES	PROTECT		0.00
19	Sabal Palm	<i>Sabal palmetto</i>	PALM	24.8	8	11.00		50.27	Good	65%	YES	PROTECT		0.00
20	Sabal Palm	<i>Sabal palmetto</i>	PALM	24.8	8	11.00		50.27	Good	65%	YES	PROTECT		0.00
21	Sabal Palm	<i>Sabal palmetto</i>	PALM	24.8	8	9.25		50.27	Good	65%	YES	PROTECT		0.00
22	Royal Palm	<i>Roystonea regia</i>	PALM	28.2	10	15.50		78.54	Fair	55%	YES	PROTECT		0.00
23	Royal Palm	<i>Roystonea regia</i>	PALM	45.3	16	15.75		201.06	Good	65%	YES	PROTECT		0.00
24	Royal Palm	<i>Roystonea regia</i>	PALM	43.2	16	16.50		201.06	Good	65%	YES	PROTECT		0.00
25	Tree Ligustrum	<i>Ligustrum japonicum</i>	TREE	7	8	14" multi		50.27	Good	62%		REMOVE	YES	50.27
26	Royal Palm	<i>Roystonea regia</i>	PALM	47.2	16	17.50		201.06	Good	65%	YES	PROTECT		0.00
27	Sabal Palm	<i>Sabal palmetto</i>	PALM	20.7	8	10.75		50.27	Good	65%	YES	PROTECT		0.00
28	Black Olive	<i>Bucida buceras</i>	TREE	22.2	24	12.50		452.39	Poor	40%		PROTECT		0.00
29	Black Olive	<i>Bucida buceras</i>	TREE	27.5	34	18.75	YES	907.92	Fair	49%		PROTECT		0.00
30	Bottlebrush	<i>Callistemon sp.</i>	TREE	19.2	13	13.50		132.73	Fair	51%		PROTECT		0.00
31	Black Olive	<i>Bucida buceras</i>	TREE	34.6	38	18.25	YES	1,134.11	Fair	49%		PROTECT		0.00
32	Bottlebrush	<i>Callistemon sp.</i>	TREE	16	13	8.50		132.73	Fair	48%		PROTECT		0.00
33	Black Olive	<i>Bucida buceras</i>	TREE	21	36	19.00	YES	1,017.88	Fair	56%		PROTECT		0.00
34	Live Oak	<i>Quercus virginiana</i>	TREE	21.7	16	7.50		201.06	Good	65%	YES	PROTECT		0.00
35	Live Oak	<i>Quercus virginiana</i>	TREE	23.8	20	9.50		314.16	Good	62%	YES	PROTECT		0.00
36	Live Oak	<i>Quercus virginiana</i>	TREE	22.5	20	9.50		314.16	Good	62%	YES	PROTECT		0.00
37	Pygmy Date Palm	<i>Phoenix robelenii</i>	PALM	12	9	4, 4, 4		63.62	Good	65%		PROTECT		0.00
38	Pygmy Date Palm	<i>Phoenix robelenii</i>	PALM	9	9	4, 3, 2		63.62	Good	65%		PROTECT		0.00
39	Pygmy Date Palm	<i>Phoenix robelenii</i>	PALM	11	9	5, 5, 4		63.62	Good	65%		PROTECT		0.00
40	Live Oak	<i>Quercus virginiana</i>	TREE	25.1	15	10.00		176.71	Good	65%	YES	PROTECT		0.00
41	Live Oak	<i>Quercus virginiana</i>	TREE	22.1	15	7.00		176.71	Good	62%	YES	PROTECT		0.00
42	Live Oak	<i>Quercus virginiana</i>	TREE	22.4	15	8.25		176.71	Good	62%	YES	PROTECT		0.00
43	Live Oak	<i>Quercus virginiana</i>	TREE	22	15	6.50		176.71	Good	64%	YES	PROTECT		0.00
44	Live Oak	<i>Quercus virginiana</i>	TREE	23.4	24	9.75		452.39	Good	65%	YES	PROTECT		0.00
45	Live Oak	<i>Quercus virginiana</i>	TREE	22.1	10	7.00		78.54	Good	62%	YES	RELOCATE		0.00
46	Royal Palm	<i>Roystonea regia</i>	PALM	51.5	16	18.50	YES	201.06	Good	65%	YES	RELOCATE		0.00
47	Royal Palm	<i>Roystonea regia</i>	PALM	45.3	16	17.00		201.06	Good	65%	YES	RELOCATE		0.00
48	Royal Palm	<i>Roystonea regia</i>	PALM	39.1	16	19.00	YES	201.06	Good	65%	YES	RELOCATE		0.00
49	Royal Palm	<i>Roystonea regia</i>	PALM	39.1	16	17.25		201.06	Good	65%	YES	RELOCATE		0.00
50	Royal Palm	<i>Roystonea regia</i>	PALM	45	16	17.75		201.06	Good	65%	YES	RELOCATE		0.00

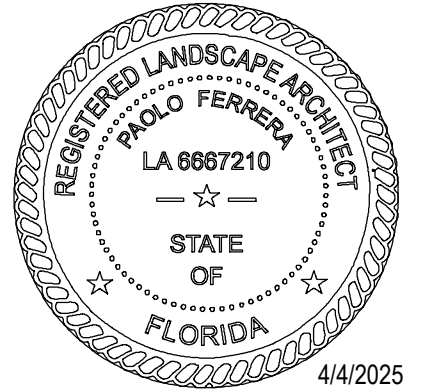


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FOR THE FIRM : PAOLO FERRERA  
LA 6667210

PROJECT TITLE:

PUBLIX AT DORAL PLAZA  
STORE No. 0031  
9755 N.W. 41st STREET  
CITY OF DORAL, FLORIDA 33178

Folio No. 35-3020-012-0020/0020

EQUITY DEVELOPMENT GROUP, LLC  
6420 CONGRESS AVENUE, SUITE 1800  
BOCA RATON, FLORIDA 33487

NO. DATE REVISIONS BY

PROJECT INFORMATION:

PROJECT NUMBER: 2024-7005  
DATE: 04/02/24  
DRAWN BY: P.F.  
CHECKED BY: N.H.O.  
APPROVED BY: P.F.  
SCALE: AS SHOWN

SHEET TITLE:  
TREE TABLE AND NOTES

SHEET NUMBER:

L-1.1

X:\MIA\2019\201907049\Design\Latest Drawings (02-25-25)\L-1 DISPOSITION 4/4/2025 4:45 PM

TREE TABLE

Table with 14 columns: TREE #, COMMON NAME, BOTANICAL NAME, TYPE, HEIGHT (ft), WIDTH (ft), DBH (in), SPECIMEN, CANOPY AREA (SF), HEALTH CONDITION, HEALTH CONDITION %, NATIVE, DISPOSITION, MITIGATION REQUIRED, CANOPY AREA (SF) TO BE MITIGATED. Rows 51-100.

TREE TABLE

Table with 14 columns: TREE #, COMMON NAME, BOTANICAL NAME, TYPE, HEIGHT (ft), WIDTH (ft), DBH (in), SPECIMEN, CANOPY AREA (SF), HEALTH CONDITION, HEALTH CONDITION %, NATIVE, DISPOSITION, MITIGATION REQUIRED, CANOPY AREA (SF) TO BE MITIGATED. Rows 101-178.

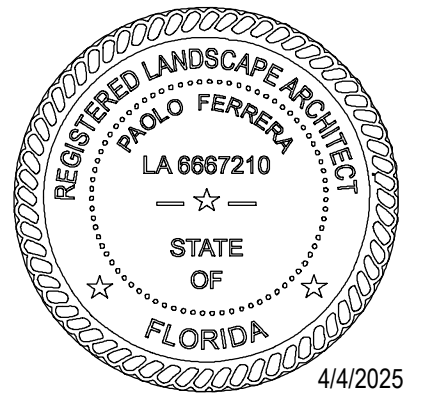


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FOR THE FIRM: PAOLO FERRERA LA 6687210

PROJECT TITLE:

PUBLIX AT DORAL PLAZA STORE No. 0031 9755 N.W. 41st STREET CITY OF DORAL, FLORIDA 33178

Folio No. 35-3020-012-0020/0020

EQUITY DEVELOPMENT GROUP, LLC 6420 CONGRESS AVENUE, SUITE 1800 BOCA RATON, FLORIDA 33487

ISSUE: NO. DATE REVISIONS BY

SITE PLAN SUBMITTAL - NOT FOR CONSTRUCTION

PROJECT INFORMATION:

PROJECT NUMBER: 2024-7005 DATE: 04/02/24 DRAWN BY: P.F. CHECKED BY: N.H.O. APPROVED BY: P.F. SCALE: AS SHOWN

SHEET TITLE:

TREE TABLE

SHEET NUMBER:

L-1.2

X:\MIA\2019\201907049\Design\Latest Drawings (02-25-25)\L-1 DISPOSITION 4/4/2025 4:45 PM

TREE TABLE

TREE #	COMMON NAME	BOTANICAL NAME	TYPE	HEIGHT (ft)	WIDTH (ft)	DBH (in)	SPECIMEN	CANOPY AREA (SF)	HEALTH CONDITION	HEALTH CONDITION %	NATIVE	DISPOSITION	MITIGATION REQUIRED	CANOPY AREA (SF) TO BE MITIGATED
179	Royal Palm	<i>Roystonea regia</i>	PALM	43.7	16	19.00	YES	201.06	Good	65%	YES	RELOCATE		0.00
180	Royal Palm	<i>Roystonea regia</i>	PALM	46.5	16	19.00	YES	201.06	Good	65%	YES	RELOCATE		0.00
181	Royal Palm	<i>Roystonea regia</i>	PALM	45.9	16	18.00		201.06	Good	65%	YES	RELOCATE		0.00
182	Wild Tamarind	<i>Lysiloma latisiliquum</i>	TREE	18.1	15	8.00		176.71	Fair	58%	YES	RELOCATE		0.00
183	Wild Tamarind	<i>Lysiloma latisiliquum</i>	TREE	21.7	20	12.75		314.16	Fair	54%	YES	RELOCATE		0.00
184	Live Oak	<i>Quercus virginiana</i>	TREE	27.1	20	9.75		314.16	Good	62%	YES	RELOCATE		0.00
185	Live Oak	<i>Quercus virginiana</i>	TREE	25	16	8.50		201.06	Good	62%	YES	RELOCATE		0.00
186	Weeping Fig	<i>Ficus benjamina</i>	TREE	38.5	50	45.50		1,963.50	Poor	39%		REMOVE	YES	1,963.50
187	Weeping Fig	<i>Ficus benjamina</i>	TREE	31.5	17	13.00		226.98	Poor	37%		REMOVE	YES	226.98
188	Weeping Fig	<i>Ficus benjamina</i>	TREE	29.3	19	16.50		283.53	Poor	37%		REMOVE	YES	283.53
189	Sabal Palm	<i>Sabal palmetto</i>	PALM	19.2	8	15.00		50.27	Good	65%	YES	RELOCATE		0.00
190	Weeping Fig	<i>Ficus benjamina</i>	PALM	35.4	18	34.75		254.47	Poor	34%		REMOVE	YES	254.47
191	Sabal Palm	<i>Sabal palmetto</i>	PALM	17.3	8	15.00		50.27	Good	65%	YES	PROTECT		0.00
192	Sabal Palm	<i>Sabal palmetto</i>	PALM	19.5	8	15.00		50.27	Good	65%	YES	PROTECT		0.00
193	Sabal Palm	<i>Sabal palmetto</i>	PALM	17.3	8	12.00		50.27	Good	65%	YES	PROTECT		0.00
194	Sabal Palm	<i>Sabal palmetto</i>	PALM	15.4	8	15.00		50.27	Good	65%	YES	PROTECT		0.00
195	Sabal Palm	<i>Sabal palmetto</i>	PALM	13.9	8	14.00		50.27	Good	65%	YES	PROTECT		0.00

DISPOSITION SUMMARY

TOTAL EXIST. CANOPY AREA (SF) ON-SITE	41,124
TOTAL TREES/PALMS REMOVED	27
SPECIMEN TREES/PALMS REMOVED	5
TOTAL TREES PROTECTED	26
TOTAL PALMS PROTECTED	42
TOTAL TREES RELOCATED	27
TOTAL PALMS RELOCATED	45
TOTAL CANOPY AREA (SF) MITIGATION REQUIRED	12,837

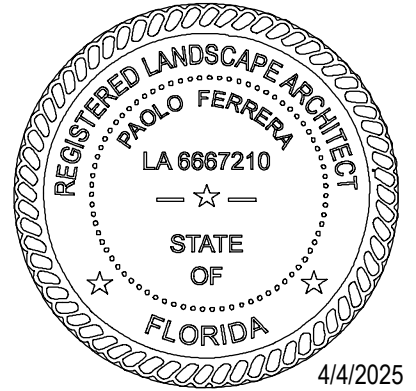


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FOR THE FIRM : PAOLO FERRERA  
LA 6667210

PROJECT TITLE:

PUBLIX AT DORAL PLAZA  
STORE No. 0031  
9755 N.W. 41st STREET  
CITY OF DORAL, FLORIDA 33178

Folio No. 35-3020-012-0020/0020

EQUITY DEVELOPMENT GROUP, LLC  
6420 CONGRESS AVENUE, SUITE 1800  
BOCA RATON, FLORIDA 33487

ISSUE:  
NO. DATE REVISIONS BY

PROJECT INFORMATION:

PROJECT NUMBER: 2024-7005  
DATE: 04/02/24  
DRAWN BY: P.F.  
CHECKED BY: N.H.O.  
APPROVED BY: P.F.  
SCALE: AS SHOWN

SHEET TITLE:

TREE TABLE

SHEET NUMBER:

L-1.3

SITE PLAN SUBMITTAL - NOT FOR CONSTRUCTION

SECTION 01 56 39 TREE PROTECTION

PART 1 - GENERAL

1.1 SUMMARY

- A. THE SCOPE OF WORK INCLUDES ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, FACILITIES, TRANSPORTATION AND SERVICES NECESSARY FOR, AND INCIDENTAL TO PERFORMING ALL OPERATIONS IN CONNECTION WITH PROTECTION OF EXISTING TREES AND OTHER PLANTS AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN.
1. PROVIDE PRE-CONSTRUCTION EVALUATIONS
2. PROVIDE TREE AND PLANT PROTECTION FENCING.
3. PROVIDE PROTECTION OF ROOT ZONES AND ABOVE GROUND TREE AND PLANTS
4. PROVIDE PRUNING OF EXISTING TREES AND PLANTS.
5. PROVIDE ALL INSECT AND DISEASE CONTROL.
6. PROVIDE MAINTENANCE OF EXISTING TREES AND PLANTS DURING THE CONSTRUCTION PERIOD.
7. PROVIDE MAINTENANCE OF EXISTING TREES AND PLANTS DURING THE POST CONSTRUCTION PLANT MAINTENANCE PERIOD.
8. REMOVE TREE PROTECTION FENCING AND OTHER PROTECTION FROM AROUND AND UNDER TREES AND PLANTS.
9. CLEAN UP AND DISPOSAL OF ALL EXCESS AND SURPLUS MATERIAL.

1.2 CONTRACT DOCUMENTS

- A. SHALL CONSIST OF SPECIFICATIONS AND GENERAL CONDITIONS AND THE DRAWINGS. THE INTENT OF THESE DOCUMENTS IS TO INCLUDE ALL LABOR, MATERIALS, AND SERVICES NECESSARY FOR THE PROPER EXECUTION OF THE WORK. THE DOCUMENTS ARE TO BE CONSIDERED AS ONE, WHATEVER IS CALLED FOR BY ANY PARTS SHALL BE AS BINDING AS IF CALLED FOR IN ALL PARTS.
B. IT IS THE INTENT OF THIS SECTION THAT THE REQUIREMENTS APPLY TO ALL SECTIONS OF THE PROJECT SPECIFICATION SUCH THAT ANY SUBCONTRACTOR MUST COMPLY WITH THE RESTRICTIONS ON WORK WITHIN DESIGNATED TREE AND PLANT PROTECTION AREAS.

1.3 RELATED DOCUMENTS AND REFERENCES

- A. RELATED DOCUMENTS:
1. SECTION 328400 - IRRIGATION
2. SECTION 329300 - PLANTING
B. REFERENCES: THE FOLLOWING SPECIFICATIONS AND STANDARDS OF THE ORGANIZATIONS AND DOCUMENTS LISTED IN THIS PARAGRAPH FORM A PART OF THE SPECIFICATION TO THE EXTENT REQUIRED BY THE REFERENCES THERETO. IN THE EVENT THAT THE REQUIREMENTS OF THE FOLLOWING REFERENCED STANDARDS AND SPECIFICATION CONFLICT WITH THIS SPECIFICATION SECTION THE REQUIREMENTS OF THIS SPECIFICATION SHALL PREVAIL. IN THE EVENT THAT THE REQUIREMENTS OF ANY OF THE FOLLOWING REFERENCED STANDARDS AND SPECIFICATIONS CONFLICT WITH EACH OTHER THE MORE STRINGENT REQUIREMENT SHALL PREVAIL.
1. ANSI A 300 (PART 5) - STANDARD PRACTICES FOR TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE, MOST CURRENT EDITIONS.
2. PRUNING PRACTICES SHALL CONFORM WITH RECOMMENDATIONS "STRUCTURAL PRUNING: A GUIDE FOR THE GREEN INDUSTRY", PUBLISHED BY URBAN TREE FOUNDATION, VISALIA, CALIFORNIA; MOST CURRENT EDITION.
3. GLOSSARY OF ARBORICULTURAL TERMS, INTERNATIONAL SOCIETY OF ARBORICULTURE, CHAMPAIGN IL, MOST CURRENT EDITION.

1.4 VERIFICATION

- A. ALL SCALED DIMENSIONS ON THE DRAWINGS ARE APPROXIMATE. BEFORE PROCEEDING WITH ANY WORK, THE CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS AND QUANTITIES, AND SHALL IMMEDIATELY INFORM THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN THE INFORMATION ON THE DRAWINGS AND THE ACTUAL CONDITIONS, REFRAINING FROM DOING ANY WORK IN SAID AREAS UNTIL GIVEN APPROVAL TO DO SO BY THE OWNER'S REPRESENTATIVE.

1.5 PERMITS AND REGULATIONS

- A. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS RELATED TO THIS SECTION OF THE WORK UNLESS PREVIOUSLY EXCLUDED UNDER PROVISION OF THE CONTRACT OR GENERAL CONDITIONS. THE CONTRACTOR SHALL COMPLY WITH ALL LAWS AND ORDINANCES BEARING ON THE OPERATION OR CONDUCT OF THE WORK AS DRAWN AND SPECIFIED. IF THE CONTRACTOR OBSERVES THAT A CONFLICT EXISTS BETWEEN PERMIT REQUIREMENTS AND THE WORK OUTLINED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING INCLUDING A DESCRIPTION OF ANY NECESSARY CHANGES AND CHANGES TO THE CONTRACT PRICE RESULTING FROM CHANGES IN THE WORK.
B. WHEREVER REFERENCES ARE MADE TO STANDARDS OR CODES IN ACCORDANCE WITH WHICH WORK IS TO BE PERFORMED OR TESTED, THE EDITION OR REVISION OF THE STANDARDS AND CODES CURRENT ON THE EFFECTIVE DATE OF THIS CONTRACT SHALL APPLY, UNLESS OTHERWISE EXPRESSLY SET FORTH.
C. IN CASE OF CONFLICT AMONG ANY REFERENCED STANDARDS OR CODES OR BETWEEN ANY REFERENCED STANDARDS AND CODES AND THE SPECIFICATIONS, THE MORE RESTRICTIVE STANDARD SHALL APPLY OR OWNER'S REPRESENTATIVE SHALL DETERMINE WHICH SHALL GOVERN.

1.6 PROTECTION OF WORK, PROPERTY AND PERSON

- A. THE CONTRACTOR SHALL PROTECT THE WORK, ADJACENT PROPERTY, AND THE PUBLIC, AND SHALL BE RESPONSIBLE FOR ANY DAMAGES OR INJURY DUE TO HIS/HER ACTIONS.

1.7 CHANGES IN THE WORK

- A. THE OWNER'S REPRESENTATIVE MAY ORDER CHANGES IN THE WORK, AND THE CONTRACT SUM SHOULD BE ADJUSTED ACCORDINGLY. ALL SUCH ORDERS AND ADJUSTMENTS PLUS CLAIMS BY THE CONTRACTOR FOR EXTRA COMPENSATION MUST BE MADE AND APPROVED IN WRITING BEFORE EXECUTING THE WORK INVOLVED.

1.8 CORRECTION OF WORK

- A. THE CONTRACTOR SHALL RE-EXECUTE ANY WORK THAT FAILS TO CONFORM TO THE REQUIREMENTS OF THE CONTRACT AND SHALL REMEDY DEFECTS DUE TO FAULTY MATERIALS OR WORKMANSHIP UPON WRITTEN NOTICE FROM THE OWNER'S REPRESENTATIVE, AT THE SOONEST POSSIBLE TIME THAT CAN BE COORDINATED WITH OTHER WORK AND SEASONAL WEATHER DEMANDS.

1.9 DEFINITIONS

- ALL TERMS IN THIS SPECIFICATION SHALL BE AS DEFINED IN THE "GLOSSARY OF ARBORICULTURAL TERMS" OR AS MODIFIED BELOW.
A. OWNER'S REPRESENTATIVE: THE PERSON APPOINTED BY THE OWNER TO REPRESENT THEIR INTEREST IN THE REVIEW AND APPROVAL OF THE WORK AND TO SERVE AS THE CONTRACTING AUTHORITY WITH THE CONTRACTOR. THE OWNER'S REPRESENTATIVE MAY APPOINT OTHER PERSONS TO REVIEW AND APPROVE ANY ASPECTS OF THE WORK.
B. REASONABLE AND REASONABLY: WHEN USED IN THIS SPECIFICATION IS INTENDED TO MEAN THAT THE CONDITIONS CITED WILL NOT AFFECT THE ESTABLISHMENT OR LONG TERM STABILITY, HEALTH OR GROWTH OF THE PLANT. THIS SPECIFICATION RECOGNIZES THAT PLANTS ARE NOT FREE OF DEFECTS, AND THAT PLANT CONDITIONS CHANGE WITH TIME. THIS SPECIFICATION ALSO RECOGNIZES THAT SOME DECISIONS CANNOT BE TOTALLY BASED ON MEASURED FINDINGS AND THAT PROFESSIONAL JUDGMENT IS REQUIRED. IN CASES OF DIFFERING OPINION, THE OWNER'S REPRESENTATIVE EXPERT SHALL DETERMINE WHEN CONDITIONS WITHIN THE PLANT ARE JUDGED AS REASONABLE.
C. SHRUB: WOODY PLANTS WITH MATURE HEIGHT APPROXIMATELY LESS THAN 25 FEET.
D. TREE AND PLANT PROTECTION AREA: AREA SURROUNDING INDIVIDUAL TREES, GROUPS OF TREES, SHRUBS, OR OTHER VEGETATION TO BE PROTECTED DURING CONSTRUCTION, AND DEFINED BY A CIRCLE CENTERED ON THE TRUNK WITH EACH TREE WITH A RADIUS EQUAL TO THE CROWN DRIPLINE UNLESS OTHERWISE INDICATED BY THE OWNER'S REPRESENTATIVE.
E. TREE: SINGLE AND MULTI-STEMMED PLANTS, INCLUDING PALMS WITH ANTICIPATED MATURE HEIGHT APPROXIMATELY GREATER THAN 25 FEET OR ANY PLANT IDENTIFIED ON THE PLANS AS A TREE.

1.10 SUBMITTALS

- A. PRODUCT DATA: SUBMIT MANUFACTURER PRODUCT DATA AND LITERATURE DESCRIBING ALL PRODUCTS REQUIRED BY THIS SECTION TO THE OWNER'S REPRESENTATIVE FOR APPROVAL.

1.11 OBSERVATION OF THE WORK

- A. THE OWNER'S REPRESENTATIVE MAY INSPECT THE WORK AT ANY TIME.

1.12 PRE-CONSTRUCTION CONFERENCE

- A. SCHEDULE A PRE - CONSTRUCTION MEETING WITH THE OWNER'S REPRESENTATIVE BEFORE BEGINNING WORK TO REVIEW ANY QUESTIONS THE CONTRACTOR MAY HAVE REGARDING THE WORK, ADMINISTRATIVE PROCEDURES DURING CONSTRUCTION AND PROJECT WORK SCHEDULE.
B. PRIOR TO THIS MEETING, MARK ALL TREES AND PLANTS TO REMAIN AND OR BE REMOVED AS DESCRIBED IN THIS SPECIFICATION FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE.

1.13 QUALITY ASSURANCE

- A. CONTRACTOR QUALIFICATIONS:
1. ALL PRUNING, BRANCH TIE BACK, TREE REMOVAL, ROOT PRUNING, AND FERTILIZING REQUIRED BY THIS SECTION SHALL BE PERFORMED BY OR UNDER THE DIRECT SUPERVISION OF ISA CERTIFIED ARBORIST. SUBMIT QUALIFICATIONS FOR APPROVAL BY THE OWNER'S REPRESENTATIVE.
2. ALL APPLICATIONS OF PESTICIDE OR HERBICIDE SHALL BE PERFORMED BY A PERSON MAINTAINING A CURRENT STATE LICENSE TO APPLY CHEMICAL PESTICIDES VALID IN THE JURISDICTION OF THE PROJECT. SUBMIT COPIES OF ALL REQUIRED STATE LICENSING CERTIFICATES INCLUDING APPLICABLE CHEMICAL APPLICATOR LICENSES.

PART 2 - PRODUCTS

2.1 MULCH

- A. SUBJECT TO COMPLIANCE WITH APPLICABLE REQUIREMENTS, PROVIDE MULCH MATERIAL FREE OF SEED AND WEEDS TO PREVENT TREE SPROUTING AND PLANT GROWTH. PROVIDE DYE-FREE MULCH FROM MELALEUCA, EUCALYPTUS, AUSTRALIAN PINE, OR OTHER NON-OLD GROWTH HARDWOOD. SUBMIT SUPPLIER'S PRODUCT DATA THAT PRODUCT MEETS THE REQUIREMENTS FOR APPROVAL.

2.2 TREE PROTECTION FENCING

- A. PLASTIC MESH FENCE: HEAVY - DUTY ORANGE PLASTIC MESH FENCING FABRIC 48 INCHES WIDE. FENCING SHALL BE ATTACHED TO METAL "U" OR "T" POST DRIVEN INTO THE GROUND OF SUFFICIENT DEPTH TO HOLD THE FABRIC SOLIDLY IN PLACE WITHOUT SAGGING. THE FABRIC SHALL BE ATTACHED TO THE POST USING ATTACHMENT TIES OF SUFFICIENT NUMBER AND STRENGTH TO HOLD UP THE FABRIC WITHOUT SAGGING. THE OWNER'S REPRESENTATIVE MAY REQUEST, AT ANY TIME, ADDITIONAL POST, DEEPER POST DEPTHS AND OR ADDITIONAL FABRIC ATTACHMENTS IF THE FABRIC BEGINS TO SAG, LEAN OR OTHERWISE NOT PRESENT A SUFFICIENT BARRIER TO ACCESS.
B. CHAIN LINK FENCE: 6 FEET TALL METAL CHAIN LINK FENCE SET IN METAL FRAME PANELS ON MOVABLE CORE DRILLED CONCRETE BLOCKS OF SUFFICIENT SIZE TO HOLD THE FENCE ERECT IN AREAS OF EXISTING PAVING TO REMAIN.
C. GATES: FOR EACH FENCE TYPE AND IN EACH SEPARATE FENCED AREA, PROVIDE A MINIMUM OF ONE 3 FOOT WIDE GATE. GATES SHALL BE LOCKABLE. THE LOCATION OF THE GATES SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE.
D. SUBMIT SUPPLIER'S PRODUCT DATA THAT PRODUCT MEETS THE REQUIREMENTS FOR APPROVAL.

PART 3 - EXECUTION

3.1 SITE EXAMINATION

- A. EXAMINE THE SITE, TREE, PLANT AND SOIL CONDITIONS. NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING OF ANY CONDITIONS THAT MAY IMPACT THE SUCCESSFUL TREE AND PLANT PROTECTIONS THAT IS THE INTENT OF THIS SECTION.

3.2 COORDINATION WITH PROJECT WORK

- A. THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER WORK THAT MAY IMPACT THE COMPLETION OF THE WORK.
B. PRIOR TO THE START OF WORK, PREPARE A DETAILED SCHEDULE OF THE WORK FOR COORDINATION WITH OTHER TRADES.
C. COORDINATE THE RELOCATION OF ANY IRRIGATION LINES CURRENTLY PRESENT ON THE IRRIGATION PLAN, HEADS OR THE CONDUITS OF OTHER UTILITY LINES OR STRUCTURES THAT ARE IN CONFLICT WITH TREE LOCATIONS. ROOT BALLS SHALL NOT BE ALTERED TO FIT AROUND LINES. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY CONFLICTS ENCOUNTERED.

- 3.3 TREE AND PLANT PROTECTION AREA: THE TREE AND PLANT PROTECTION AREA IS DEFINED AS ALL AREAS INDICATED ON THE TREE PROTECTION PLAN. WHERE NO LIMIT OF THE TREE AND PLANT PROTECTION AREA IS DEFINED ON THE DRAWINGS, THE LIMIT SHALL BE THE DRIP LINE (OUTER EDGE OF THE BRANCH CROWN) OF EACH TREE.

3.4 PREPARATION

- A. PRIOR TO THE PRECONSTRUCTION MEETING, LAYOUT THE LIMITS OF THE TREE AND PLANT PROTECTION AREA AND THEN ALIGNMENTS OF REQUIRED TREE AND PLANT PROTECTION FENCING AND ROOT PRUNING. OBTAIN THE OWNER'S REPRESENTATIVE'S APPROVAL OF THE LIMITS OF THE PROTECTION AREA AND THE ALIGNMENT OF ALL FENCING AND ROOT PRUNING.
B. FLAG ALL TREES AND SHRUBS TO BE REMOVED BY WRAPPING ORANGE PLASTIC RIBBON AROUND THE TRUNK AND OBTAIN THE OWNER'S REPRESENTATIVE'S APPROVAL OF ALL TREES AND SHRUBS TO BE REMOVED PRIOR TO THE START OF TREE AND SHRUB REMOVAL. AFTER APPROVAL, MARK ALL TREES AND SHRUBS TO BE REMOVED WITH ORANGE PAINT IN A BAND COMPLETELY AROUND THE BASE OF THE TREE OR SHRUB 4.5 FEET ABOVE THE GROUND.
C. FLAG ALL TREES AND SHRUBS TO REMAIN WITH WHITE PLASTIC RIBBON TIED COMPLETELY AROUND THE TRUNK OR EACH TREE AND ON A PROMINENT BRANCH FOR EACH SHRUB. OBTAIN THE OWNER'S REPRESENTATIVE'S APPROVAL OF ALL TREES AND SHRUBS TO BE REMAIN PRIOR TO THE START OF TREE AND SHRUB REMOVAL.
D. PRIOR TO ANY CONSTRUCTION ACTIVITY AT THE SITE INCLUDING UTILITY WORK, GRADING, STORAGE OF MATERIALS, OR INSTALLATION OF TEMPORARY CONSTRUCTION FACILITIES, INSTALL ALL TREE PROTECTION FENCING AND MULCH AS SHOWN ON THE DRAWINGS.

3.5 PROTECTION

- A. PROTECT THE TREE AND PLANT PROTECTION AREA AT ALL TIMES FROM COMPACTION OF THE SOIL; DAMAGE OF ANY KIND TO TRUNKS, BARK, BRANCHES, LEAVES AND ROOTS OF ALL PLANTS; AND CONTAMINATION OF THE SOIL, BARK OR LEAVES WITH CONSTRUCTION MATERIALS, DEBRIS, SILT, FUELS, OILS, AND ANY CHEMICALS SUBSTANCE. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY SPILLS, COMPACTION OR DAMAGE AND TAKE CORRECTIVE ACTION IMMEDIATELY USING METHODS APPROVED BY THE OWNER'S REPRESENTATIVE.

3.6 GENERAL REQUIREMENTS AND LIMITATIONS FOR OPERATIONS WITHIN THE TREE AND PLANT PROTECTION AREA:

- A. THE CONTRACTOR SHALL NOT ENGAGE IN ANY CONSTRUCTION ACTIVITY WITHIN THE TREE AND PLANT PROTECTION AREA WITHOUT THE APPROVAL OF THE OWNER'S REPRESENTATIVE INCLUDING: OPERATING, MOVING OR STORING EQUIPMENT; STORING SUPPLIES OR MATERIALS; LOCATING TEMPORARY FACILITIES INCLUDING TRAILERS OR PORTABLE TOILETS AND SHALL NOT PERMIT EMPLOYEES TO TRAVERSE THE AREA TO ACCESS ADJACENT AREAS OF THE PROJECT OR USE THE AREA FOR LUNCH OR ANY OTHER WORK BREAKS. PERMITTED ACTIVITY, IF ANY, WITHIN THE TREE AND PLANT PROTECTION AREA MAYBE INDICATED ON THE DRAWINGS ALONG WITH ANY REQUIRED REMEDIAL ACTIVITY AS LISTED BELOW.

3.7 TREE REMOVAL

- A. REMOVE ALL TREES INDICATED BY THE DRAWINGS AND SPECIFICATIONS, AS REQUIRING REMOVAL, IN A MANNER THAT WILL NOT DAMAGE ADJACENT TREES OR STRUCTURES OR COMPACTS THE SOIL.
B. REMOVE TREES THAT ARE ADJACENT TO TREES OR STRUCTURES TO REMAIN, IN SECTIONS, TO LIMIT THE OPPORTUNITY OF DAMAGE TO ADJACENT CROWNS, TRUNKS, GROUND PLANE ELEMENTS AND STRUCTURES.
C. PROTECT ADJACENT PAVING, SOIL, TREES, SHRUBS, GROUND COVER PLANTINGS AND UNDERSTORY PLANTS TO REMAIN FROM DAMAGE DURING ALL TREE REMOVAL OPERATIONS, AND FROM CONSTRUCTION OPERATIONS. PROTECTION SHALL INCLUDE THE ROOT SYSTEM, TRUNK, LIMBS, AND CROWN FROM BREAKAGE OR SCARRING, AND THE SOIL FROM COMPACTION.
D. REMOVE STUMPS AND IMMEDIATE ROOT PLATE FROM EXISTING TREES TO BE REMOVED. GRIND TRUNK BASES AND LARGE BUTTRESS ROOTS TO A DEPTH OF THE LARGEST BUTTRESS ROOT OR AT LEAST 18 INCHES BELOW THE TOP MOST ROOTS WHICHEVER IS LESS AND OVER THE AREA OF THREE TIMES THE DIAMETER OF THE TRUNK (DBH).

3.8 PRUNING

- A. WITHIN SIX MONTHS OF THE ESTIMATED DATE OF SUBSTANTIAL COMPLETION, PRUNE ALL DEAD OR HAZARDOUS BRANCHES LARGER THAN 2 INCH IN DIAMETER FROM ALL TREES TO REMAIN.
B. IMPLEMENT ALL PRUNING RECOMMENDATIONS FOUND IN THE ARBORIST REPORT, AS APPLICABLE.
C. PRUNE ANY LOW, HANGING BRANCHES AND VINES FROM EXISTING TREES AND SHRUBS THAT OVERHANG WALKS, STREETS AND DRIVES, OR PARKING AREAS AS FOLLOWS:
1. WALKS - WITHIN 8 FEET VERTICALLY OF THE PROPOSED WALK ELEVATION.
2. PARKING AREAS - WITHIN 12 FEET VERTICALLY OF THE PROPOSED PARKING SURFACE ELEVATION.
3. STREETS AND DRIVES - WITHIN 14 FEET VERTICALLY OF THE PROPOSED DRIVING SURFACE ELEVATION.
D. ALL PRUNING SHALL BE DONE IN ACCORDANCE WITH ANSI A300 (PART 1), ISA BMP TREE PRUNING (LATEST EDITION, AND THE "STRUCTURAL PRUNING: A GUIDE FOR THE GREEN INDUSTRY", EDWARD GILMAN, BRIAN KEMPF, NELDA MATHENY AND JIM CLARK, 2013 URBAN TREE FOUNDATION, VISALIA CA.
E. PERFORM OTHER PRUNING TASK AS INDICATED ON THE DRAWINGS OR REQUESTED BY THE OWNER'S REPRESENTATIVE.
F. WHERE TREE SPECIFIC DISEASE VECTORS REQUIRE, STERILIZE ALL PRUNING TOOLS BETWEEN THE WORK IN INDIVIDUAL TREES.

3.9 WATERING

- A. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO ENSURE THAT ADEQUATE WATER IS PROVIDED TO ALL PLANTS TO BE PRESERVED DURING THE ENTIRE CONSTRUCTION PERIOD.
B. THE CONTRACTOR SHALL ADJUST THE AUTOMATIC IRRIGATION SYSTEM, IF AVAILABLE, AND APPLY ADDITIONAL WATER, USING HOSES OR WATER TANKS AS REQUIRED.
C. PERIODICALLY TEST THE MOISTURE CONTENT IN THE SOIL WITHIN THE ROOT ZONE TO DETERMINE THE WATER CONTENT.

3.10 WEED REMOVAL

- A. DURING THE CONSTRUCTION PERIOD, CONTROL ANY PLANTS THAT SEED IN AND AROUND THE FENCED TREE AND PLANT PROTECTION AREA AT LEAST THREE TIMES A YEAR.
1. ALL PLANTS THAT ARE NOT SHOWN ON THE PLANTING PLAN OR ON THE TREE AND PLANT PROTECTION PLAN TO REMAIN SHALL BE CONSIDERED AS WEEDS.
B. AT THE END OF THE CONSTRUCTION PERIOD PROVIDE ONE FINAL WEEDING OF THE TREE AND PLANT PROTECTION AREA

3.11 INSECT AND DISEASE CONTROL

- A. MONITOR ALL PLANTS TO REMAIN FOR DISEASE AND INSECT INFESTATIONS DURING THE ENTIRE CONSTRUCTION PERIOD. PROVIDE ALL DISEASE AND INSECT CONTROL REQUIRED TO KEEP THE PLANTS IN A HEALTHY STATE USING THE PRINCIPLES OF INTEGRATED PLANT MANAGEMENT (IPM). ALL PESTICIDES SHALL BE APPLIED BY A CERTIFIED PESTICIDE APPLICATOR.

3.12 CLEAN-UP

- A. DURING TREE AND PLANT PROTECTION WORK, KEEP THE SITE FREE OF TRASH, PAVEMENTS REASONABLY CLEAN AND WORK AREA IN AN ORDERLY CONDITION AT THE END OF EACH DAY. REMOVE TRASH AND DEBRIS IN CONTAINERS FROM THE SITE NO LESS THAN ONCE A WEEK.
1. IMMEDIATELY CLEAN UP ANY SPILLED OR TRACKED SOIL, FUEL, OIL, TRASH OR DEBRIS DEPOSITED BY THE CONTRACTOR FROM ALL SURFACES WITHIN THE PROJECT OR ON PUBLIC RIGHT OF WAYS AND NEIGHBORING PROPERTY.
B. ONCE TREE PROTECTION WORK IS COMPLETE, WASH ALL SOIL FROM PAVEMENTS AND OTHER STRUCTURES. ENSURE THAT MULCH IS CONFINED TO PLANTING BEDS.
C. MAKE ALL REPAIRS TO GRADES, RUTS, AND DAMAGE TO THE WORK OR OTHER WORK AT THE SITE.
D. REMOVE AND DISPOSE OF ALL EXCESS MULCH, PACKAGING, AND OTHER MATERIAL BROUGHT TO THE SITE BY THE CONTRACTOR.

3.13 REMOVAL OF FENCING AND OTHER TREE AND PLANT PROTECTION

- A. AT THE END OF THE CONSTRUCTION PERIOD OR WHEN REQUESTED BY THE OWNER'S REPRESENTATIVE REMOVE ALL FENCING, OR ANY OTHER TREE AND PLANT PROTECTION MATERIAL.

3.14 DAMAGE OR LOSS TO EXISTING PLANTS TO REMAIN

- A. ANY TREES OR PLANTS DESIGNATED TO REMAIN AND WHICH ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT THEIR OWN EXPENSE.
1. ALL TREES AND PLANTS SHALL BE INSTALLED PER THE REQUIREMENTS OF SECTION 329300 PLANTS.
B. ANY TREE THAT IS DETERMINED TO BE DEAD, DAMAGED OR POTENTIALLY HAZARDOUS BY THE OWNER'S ARBORIST AND UPON THE REQUEST OF THE OWNER'S REPRESENTATIVE SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. TREE REMOVAL SHALL INCLUDE ALL CLEAN UP OF ALL WOOD PARTS AND GRINDING OF THE STUMP TO A DEPTH SUFFICIENT TO PLANT THE REPLACEMENT TREE OR PLANT, REMOVAL OF ALL CHIPS FROM THE STUMP SITE AND FILLING THE RESULTING HOLE WITH TOPSOIL.

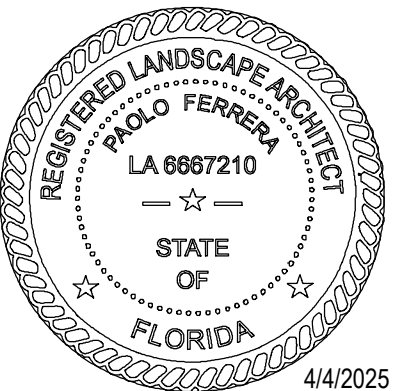


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FOR THE FIRM : PAOLO FERRERA
LA 6667210

PROJECT TITLE:

PUBLIX AT DORAL PLAZA
STORE No. 0031

9755 N.W. 41st STREET
CITY OF DORAL, FLORIDA 33178

Folio No. 35-3020-012-0020/0020

EQUITY DEVELOPMENT GROUP, LLC
6420 CONGRESS AVENUE, SUITE 1800
BOCA RATON, FLORIDA 33487

ISSUE:
NO. DATE REVISIONS BY

PROJECT INFORMATION:

PROJECT NUMBER: 2024-7005

DATE: 04/02/24

DRAWN BY: P.F.

CHECKED BY: N.H.O.

APPROVED BY: P.F.

SCALE: AS SHOWN

SHEET TITLE:

TREE PROTECTION SPECIFICATIONS

SHEET NUMBER:

L-1.4

X:\MIA\2019\20197049\Design\Latest Drawings (02-25-25)\L-1 DISPOSITION 4/4/2025 4:45 PM

X:\MIA\2019\201907049\Design\Latest Drawings (02-25-25)\L-2 PLANTING 4/4/2025 5:07 PM

**RECEIVED**  
By puglias at 9:56 am, Apr 23, 2025



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SCALE: AS SHOWN

SHEET TITLE:  
PLANTING PLAN

SHEET NUMBER:

- TREE BARRIER NOTES**
- ANY TREE OR PALM TO REMAIN IN PLACE THAT IS LOCATED WITHIN 20 FEET OF WORK AREAS SHALL BE PROTECTED WITH BARRIERS AS PER ALL CITY AND COUNTY REQUIREMENTS.
  - TREE BARRIERS SHOWN ON PLAN ARE DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE EXACT DIMENSIONS AND PLACEMENTS IN FIELD. BARRIERS MAY BE PLACED AROUND GROUPS OF TREES/PALMS AS REQUIRED FOR SITE ACCESS AND PROGRESSION OF WORK.
  - CONTRACTOR SHALL PROVIDE 6'-8" BARRIERS AROUND TREES LESS THAN 18" DBH, AND 10'-12" BARRIERS AROUND TREES 18" DBH OR GREATER.
  - REFER TO TREE PROTECTION DETAILS ON SHEET L-1.1.

- SYMBOL LEGEND**
- EXISTING VEGETATION TO BE PROTECTED WITH TREE BARRIERS; AND PRUNED AS REQUIRED FOR INSTALLATION OF PROPOSED IMPROVEMENTS.
  - RELOCATED VEGETATION
  - EXISTING VEGETATION NOT IN SCOPE
  - PROPOSED TREES/ PALMS
  - PROPOSED SHRUBS/ GROUND COVERS



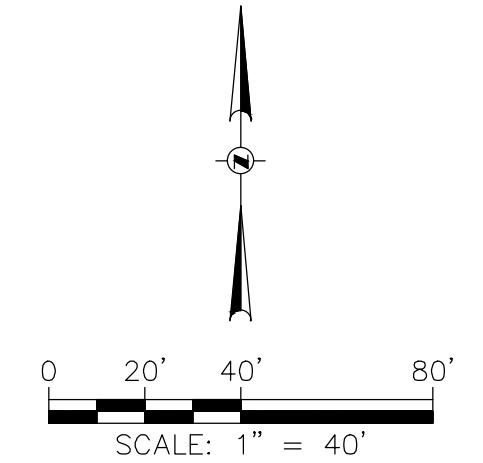
**Publix**  
48 PROTOTYPE STORE  
MODIFIED LOADING DOCK  
FINISH FLOOR  
ELEV. 0'-0"  
(8.50 NGVD)

TRACT "A"  
NOT A PART OF THIS PROJECT

TRACT "C"  
NOT A PART OF THIS PROJECT

SOUTH LINE SECTION, 20-53-40  
N.W. 41st STREET - DORAL BOULEVARD  
(110' RIGHT-OF-WAY)

**PLANTING PLAN**  
SCALE: 1" = 40'



**Sunshine811**  
Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked.  
Check positive response codes before you dig!

SITE PLAN SUBMITTAL - NOT FOR CONSTRUCTION

A

C

A

A

**LANDSCAPE LEGEND** (This information is required to be permanently affixed to the plan.)  
 Zoning District: CC Net Lot Area: 10.515 acres 458,046 square feet

	REQUIRED	PROVIDED
<b>OPEN SPACE</b>		
A. Square feet of open space required by Chapter 33, as indicated on site plan: Net lot area = <u>458,046</u> square feet x <u>17</u> % = <u>77,867</u> SF square feet	<u>77,867</u> SF	<u>77,877</u> SF
B. Square feet of parking lot open space required by Chapter 18A, as indicated on site plan: The number of parking spaces <u>445</u> x 10 square feet per parking space =	<u>N/A</u>	<u>N/A</u>
C. Total square feet of landscaped open space required by Chapter 33 = A + B =	<u>77,867</u> SF	<u>77,877</u> SF
<b>LAWN AREA CALCULATION</b>		
A. Total square feet of landscaped open space required by Chapter 33 =	<u>82,317</u> SF	
B. Maximum lawn area (St. Augustine sod) permitted = <u>N/A</u> % x <u>N/A</u> square feet =	<u>N/A</u>	<u>N/A</u>
<b>TREES</b>		
A. The number of trees required per net lot acre less the existing number of trees that meet minimum requirements = <u>22</u> trees x net lot acreage = <u>22</u> x 10.515 AC = <u>232</u> TREES	<u>232</u> TREES (minus) <u>40</u> (EXIST.) <u>192</u> TREES	<u>88</u> (ON-SITE)
B. 30% palm trees allowed (one palm = one tree) Palms provided = 82/(EXIST.)+24(NEW)=106	<u>70</u>	<u>111</u>
C. Percentage of native trees required = the number of trees provided x 30% =	<u>70</u>	<u>70</u>
D. Street trees (max. average spacing of 35' o.c.): <u>505.28</u> linear feet along street + 35 =	<u>14</u>	<u>14</u>
E. Palms as street trees (max. average spacing 25' o.c.): <u>346.77</u> linear feet along street + 25 =	<u>5</u>	<u>5</u>
F. Street trees located directly beneath power lines (maximum average spacing of 25' o.c.): <u>346.77</u> linear feet along street + 25 = 14 TOTAL TREES/PALMS	<u>14</u>	<u>9</u>
G. Total number of trees provided =	<u>260</u>	<u>262</u>
<b>SHRUBS</b>		
A. The total number of trees required x 10 = the number of shrubs required	<u>2,600</u>	<u>2,600</u>
B. The number of shrubs required x 30% = the number of native shrubs required	<u>780</u>	<u>780</u>

IRRIGATION PLAN: Required by Chapter 33. Auto irrigation YES or hose bib provided.

NOTE TO REVIEWER:  
 ALL EXISTING AND PROPOSED TREES AND PALMS LOCATED ON-SITE ARE COUNTED SEPARATELY FROM THE PROVIDED STREET TREES/PALMS.

**PLANTING NOTES**

- ALL TREE RELOCATION AND PLANTING WORK SHALL BE PERFORMED IN COMPLIANCE WITH APPLICABLE REQUIREMENTS OF GOVERNING AUTHORITIES HAVING JURISDICTION, INCLUDING CITY OF DORAL, MIAMI-DADE COUNTY REORDER, AND LATEST ANSI A300 STANDARDS.
- ALL PROVIDED PLANTS SHALL COMPLY WITH APPLICABLE PROVISIONS OF FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES GRADES AND STANDARDS FOR NURSERY PLANTS FOR GRADE NUMBER 1 OR BETTER.
- SEE SURVEY FOR ADDITIONAL SITE INFORMATION.
- REFER TO LANDSCAPE SPECIFICATIONS FOR ADDITIONAL CONTRACT REQUIREMENTS.
- CONTRACTOR SHALL PROTECT ALL EXISTING PAVEMENTS, FENCING, VEGETATION, SOD, UTILITIES, IRRIGATION EQUIPMENT, AND OTHER SITE INFRASTRUCTURE INDICATED TO REMAIN WITHIN WORK AREAS FROM DAMAGE DURING PROGRESS OF WORK, AND SHALL RESTORE OR REPLACE ALL SUCH ITEMS DAMAGED DURING PROGRESS OF WORK TO MATCH EXISTING.
- PROTECTIVE VEGETATION BARRIERS SHALL BE PROVIDED IN COMPLIANCE WITH ALL MDC REQUIREMENTS AND SHALL BE IN PLACE PRIOR TO THE START OF ANY CONSTRUCTION.
- CONTRACTOR SHALL CANOPY PRUNE AND ROOT PRUNE ALL EXISTING TREES AS MAY BE REQUIRED FOR COORDINATION WITH PROPOSED SITE IMPROVEMENTS. CONTRACTOR SHALL PROVIDE ROOT BARRIERS FOR ALL EXISTING AND PROPOSED TREES LOCATED WITHIN 6 FEET FROM PAVEMENTS OR PEDESTRIAN AREAS. EXTENT OF ROOT BARRIERS SHALL BE COORDINATED IN FIELD. CONTRACTOR SHALL COORDINATE PRUNING WORK WITH SITE PAVING REPAIR AND CONSTRUCTION WORK. ALL PRUNING WORK SHALL BE PERFORMED UNDER SUPERVISION OF A CERTIFIED ARBORIST.
- ALL EXISTING LANDSCAPE IN THE RIGHT-OF-WAY THAT IS ADJACENT TO WORK AREAS SHALL BE PROTECTED FROM DAMAGE THROUGHOUT THE DURATION OF CONSTRUCTION. CONTRACTOR SHALL PRUNE ANY TREE CANOPY ENCRDACHING ONTO PROJECT SITE AREAS AS MAY BE REQUIRED TO ACCOMMODATE PROPOSED ON-SITE IMPROVEMENTS.
- ALL LANDSCAPE WORK SHALL BE COORDINATED WITH OTHER DISCIPLINES AS REQUIRED THROUGHOUT DURATION OF WORK. CONTRACTOR SHALL PROTECT AND MAINTAIN RELOCATED TREES/PALMS IN SECURE TEMPORARY STAGING AREA AS MAY BE REQUIRED, INCLUDING STAKING, WATERING AND PRUNING, TO ENSURE OVERALL HEALTH OF TREES/PALMS.
- CONTRACTOR SHALL WARRANTY NEWLY INSTALLED TREES/PALMS FOR A PERIOD OF AT LEAST ONE (1) YEAR AFTER FINAL ACCEPTANCE. CONTRACTOR SHALL PROVIDE MAINTENANCE DURING WARRANTY PERIOD AS MAY BE REQUIRED, INCLUDING STAKING, WATERING, PRUNING AND RE-PLANTING TO ENSURE OVERALL HEALTH OF TREES.
- ANY TREE/PALM THAT SHOULD DIE, OR IS OTHERWISE FOUND TO BE UNACCEPTABLE TO THE LANDSCAPE ARCHITECT/ OWNER DURING THE PROGRESSION OF WORK AND THROUGHOUT THE REQUIRED WARRANTY/MAINTENANCE PERIOD AFTER FINAL ACCEPTANCE, SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR WITH EQUAL OR BETTER PLANT MATERIAL, AND THE SITE SHALL BE RESTORED AT NO ADDITIONAL COST TO OWNER.
- ALL PROPOSED LANDSCAPE AREAS SHALL BE FREE FROM ANY REMNANT SUB-SURFACE STRUCTURAL OR PAVEMENT ELEMENTS INCLUDING FOUNDATIONS, FOOTINGS AND COMPACTED SUB-BASE LAYERS. ALL NEW PLANTING BEDS OR LANDSCAPE AREAS LOCATED IN RECLAIMED PAVED AREAS SHALL BE EXCAVATED TO A MINIMUM DEPTH OF TWENTY-FOUR (24) INCHES BELOW THE INTENDED ROOT BALL DEPTH, AND BACK-FILLED WITH A SUITABLE SOIL AS NOTED BELOW. BACKFILL MATERIAL SHALL BE FREE FROM ROCK, CONSTRUCTION DEBRIS, OR OTHER EXTRANEOUS MATERIAL OVER 1-INCH IN DIAMETER. CONTRACTOR SHALL DOCUMENT ALL SUB-SURFACE CONDITIONS FOR APPROVAL BY LANDSCAPE ARCHITECT/ OWNER/ ENGINEER PRIOR TO PLANT INSTALLATIONS. ADDITIONAL SOIL PERCOLATION TESTING AND/OR SOIL AMENDMENTS MAY BE REQUIRED AS DETERMINED IN FIELD TO ENSURE HEALTHY GROWING CONDITIONS.
- ALL INVASIVE SPECIES SHALL BE REMOVED FROM THE SITE WHEN IDENTIFIED. THE LIST OF INVASIVE SPECIES IS PROVIDED IN THE DEVELOPMENT REVIEW MANUAL AND IS MAINTAINED BY THE FLORIDA EXOTIC PEST PLANT COUNCIL.
- PROVIDE DYE-FREE MULCH FROM MELALEUCA, EUCALYPTUS, AUSTRALIAN PINE, OR OTHER NON-OLD GROWTH HARDWOOD FOR ALL PLANTING AREAS UNLESS NOTED OTHERWISE. MULCH RINGS SHALL EXTEND AT LEAST 3 FEET FROM EDGE OF TREE TRUNKS AND BASE OF PALMS. MULCH SHALL BE AT LEAST 6 INCHES AWAY FROM ANY PORTION OF A BUILDING OR STRUCTURE, AND AT LEAST 3 INCHES AWAY FROM THE EDGE OF TREE TRUNKS, PALMS, OR SHRUB STEMS. MULCH SHALL BE APPLIED TO COMPLETELY COVER ALL LANDSCAPE AREAS, AND EXTEND TO NEAREST PAVEMENT, CURBING OR FENCING. CONTRACTOR SHALL SUBMIT PRODUCT SAMPLE FOR APPROVAL TO LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- NO STRUCTURE OR PLANTING SHALL EXCEED 30 INCHES IN HEIGHT WITHIN SAFETY SIGHT TRIANGLES. NO PLANTINGS SHALL BE INSTALLED WITHIN REQUIRED 2-FOOT PARKING OVERHANG AREAS. COORDINATE WITH CIVIL DRAWINGS.
- ALL PROTECTED, RELOCATED AND NEW TREES LOCATED WITHIN 7 FEET OF RIGHT-OF-WAY AND/OR SIDEWALK ARE COUNTED TOWARD STREET TREE REQUIREMENTS.

**SOIL NOTE**

- THE REQUIRED SOIL MIX COMBINATION FOR THE LANDSCAPING BEDS MUST CONSIST OF 25% MUSHROOM COMPOST, 25% PINE BARK FINES AND 50% OF A SOIL WITH A PH LESS THAN 7 WHICH IS THEN MIXED INTO 50% NATIVE SOIL.

PLANTING SCHEDULE							
KEY	DESCRIPTION	CATEGORY	NATIVE	WATER USE	NOTES	QUANTITY	TOTAL CANOPY
AG	ARACHIS GLABRATA PERENNIAL PEANUT 6"HT/ 12"SPRD/ 12"OC	GROUND COVER		LOW		460	
AW	ACOEORRHAPHE WRIGHTII EVERGLADES PALM 12' HEIGHT/ MULTI TRUNK	PALM	YES	LOW		24	
CD	COCCOLOBA DIVERSIFOLIA PIGEON PLUM 14' HEIGHT/ 5' CANOPY/ 2.5" CALIPER	MEDIUM SHADE TREE CATEGORY 1 (500 SF)	YES	LOW		12	6,000 SF
CE	COMOGARPUS ERECTUS GREEN BUTTWOOD 16' HEIGHT/ 5' CANOPY/ 3" CALIPER/ 4' CLEAR TRUNK	LARGE SHADE TREE CATEGORY 1 (500 SF)	YES	LOW		3	
CIR	CHRYSOBALANUS ICACO CV RED TIP COCOPLUM 30' HEIGHT/ 24" SPREAD/ 30"OC	SHRUB	YES	LOW		588	
CR	CLUSIA ROSEA WILD CINNAMON BARK 36' HEIGHT/ 24" SPREAD/ 30"OC FULL SHRUB	SHRUB	YES	LOW		124	
CRN	CLUSIA ROSEA 'NANA' DWARF PITCH APPLE 18' HEIGHT/ 18" SPREAD/ 24"OC	SHRUB (DWARF)	YES	LOW		2,666	
CW	CANELLA WINTERANA WILD CINNAMON BARK 12' HEIGHT/ 4' CANOPY/ 2" CALIPER	SMALL SHADE TREE CATEGORY 2 (300 SF)	YES	LOW		26	7,800 SF
EL	ERNODEA LITTORALIS GOLDEN BEACH CREEPER 12"HEIGHT/ 12"SPREAD/ 18"OC	GROUND COVER	YES	LOW		592	
LI	LANTANA INVOLUCRATA FLORIDA NATIVE WHITE LANTANA 18' HEIGHT/ 18" SPREAD/ 24"OC	SHRUB	YES	LOW		130	
MC	MUHLENBERGIA CAPILLARIS PINK MUHLY GRASS 18" HEIGHT/ 18" SPREAD/ 30"OC	GROUND COVER	YES	LOW		182	
MF	MYRCIANTHES FRAGRANS SIMPSONS STOPPER 12' HEIGHT/ 4' CANOPY/ 2" CALIPER	SMALL SHADE TREE CATEGORY 2 (300 SF)	YES	LOW		15	4,500 SF
NE	NEPHROLEPIS EXALATA EXALATA BOSTON SWORDFERN 18" HEIGHT/ 18" SPREAD/ 30"OC	GROUND COVER	YES	LOW		705	
PL	PSYCHOTRIA LIGUSTRIFOLIA BAHAMA WILD COFFEE 18" HEIGHT/ 18" SPREAD/ 24" OC	GROUND COVER	YES	LOW		1,144	
PX	PHILODENDRON 'XANADU' XANADU 24' HEIGHT/ 30" SPREAD/ 36" OC	GROUND COVER		LOW		44	
QV	QUERCUS VIRGINIANA LIVE OAK 16' HEIGHT/ 5' CANOPY/ 3" CALIPER/ 4' CLEAR TRUNK	LARGE SHADE TREE CATEGORY 1 (500 SF)	YES	LOW		14	7,000 SF
SOD	STENOTAPHRUM SECUNDATUM PALMETTO SAINT AUGUSTINE GRASS SOD FLATS	SOD		LOW/MED		AS REQUIRED FIELD VERIFY	
SR	SERENOA REPENS SAW PALMETTO 24" HEIGHT/ 30" SPREAD/ 36" OC	GROUND COVER	YES	LOW		30	
SS	SIDEROXYLON SALICIFOLIUM WILLOW BUSTIC 14' HEIGHT/ 5' CANOPY/ 2.5" CALIPER	MEDIUM SHADE TREE CATEGORY 1 (500 SF)	YES	LOW		17	8,500 SF
TA	TRACHELOSPERMUM ASIATICUM ASIATIC JASMINE 6' HEIGHT/ 12" SPREAD/ 18"OC	GROUND COVER		LOW		2,808	
ZP	ZAMIA PUMILA COONTIE 30' HEIGHT/ 30" SPREAD/ 36"OC	GROUND COVER	YES	LOW		219	

- NOTES:
- SHRUB AND GROUND COVER QUANTITIES ARE APPROXIMATE. CONTRACTOR SHALL FILL ENTIRE LANDSCAPE AREAS AS SHOWN. 33,800 SF
  - ALL STREET TREES/PALMS WITH THEIR CANOPY LOCATED WITHIN THE PUBLIC ROW TO BE PROVIDED WITH A CANOPY HEIGHT CLEARANCE OF 8 FEET (MIN).
  - ALL GROUND COVERS LOCATED WITHIN MDC CLEAR SIGHT TRIANGLE SHALL BE MAINTAINED AT HEIGHT OF 18 INCHES OR LESS.



Graef-USA Inc.  
 9200 South Dadeland Boulevard  
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 Miami, FL 33156  
 305 / 378 5555  
 305 / 279 4553 fax

www.graef-usa.com

CERTIFICATE OF AUTHORIZATION NO. 4270

SEAL / SIGNATURE:



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PAOLO FERRERA, P.L.A. 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.

FOR THE FIRM: PAOLO FERRERA  
 LA 6687210

PROJECT TITLE:

PUBLIX AT DORAL PLAZA  
 STORE No. 0031

9755 N.W. 41st STREET  
 CITY OF DORAL, FLORIDA 33178

Folio No. 35-3020-012-0020

EQUITY DEVELOPMENT GROUP, LLC  
 6420 CONGRESS AVENUE, SUITE 1800  
 BOCA RATON, FLORIDA 33487

ISSUE:  
 NO. DATE REVISIONS BY

PROJECT INFORMATION:

PROJECT NUMBER: 2024-7005

DATE: 04/02/24

DRAWN BY: P.F.

CHECKED BY: N.H.O.

APPROVED BY: P.F.

SCALE: AS SHOWN

SHEET TITLE:

LANDSCAPE LEGEND, NOTES AND  
 PLANTING SCHEDULE

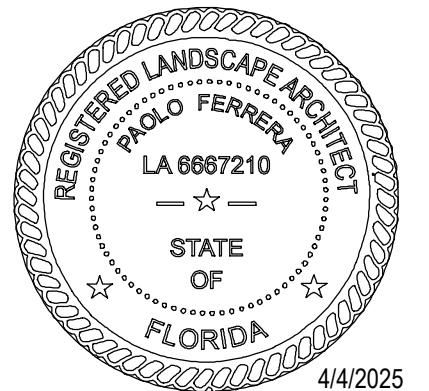
SHEET NUMBER:

**Sunshine811**  
 Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked.  
 Check positive response codes before you dig!

**L-2.1**

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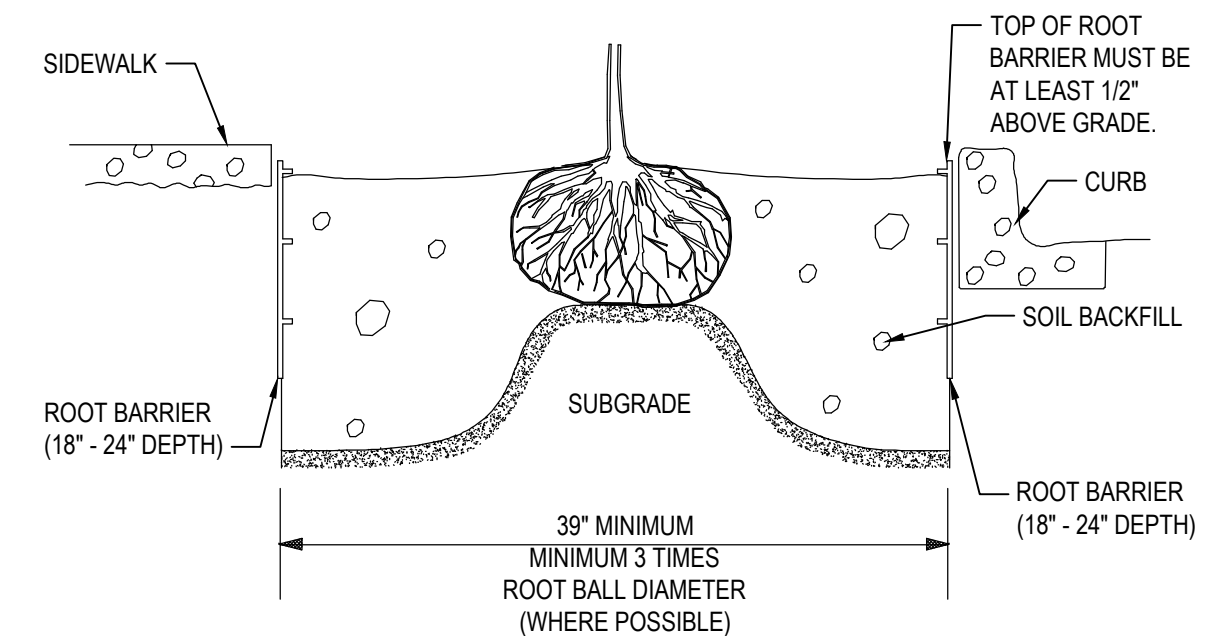
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FOR THE FIRM: PAOLO FERRERA  
LA 6687210

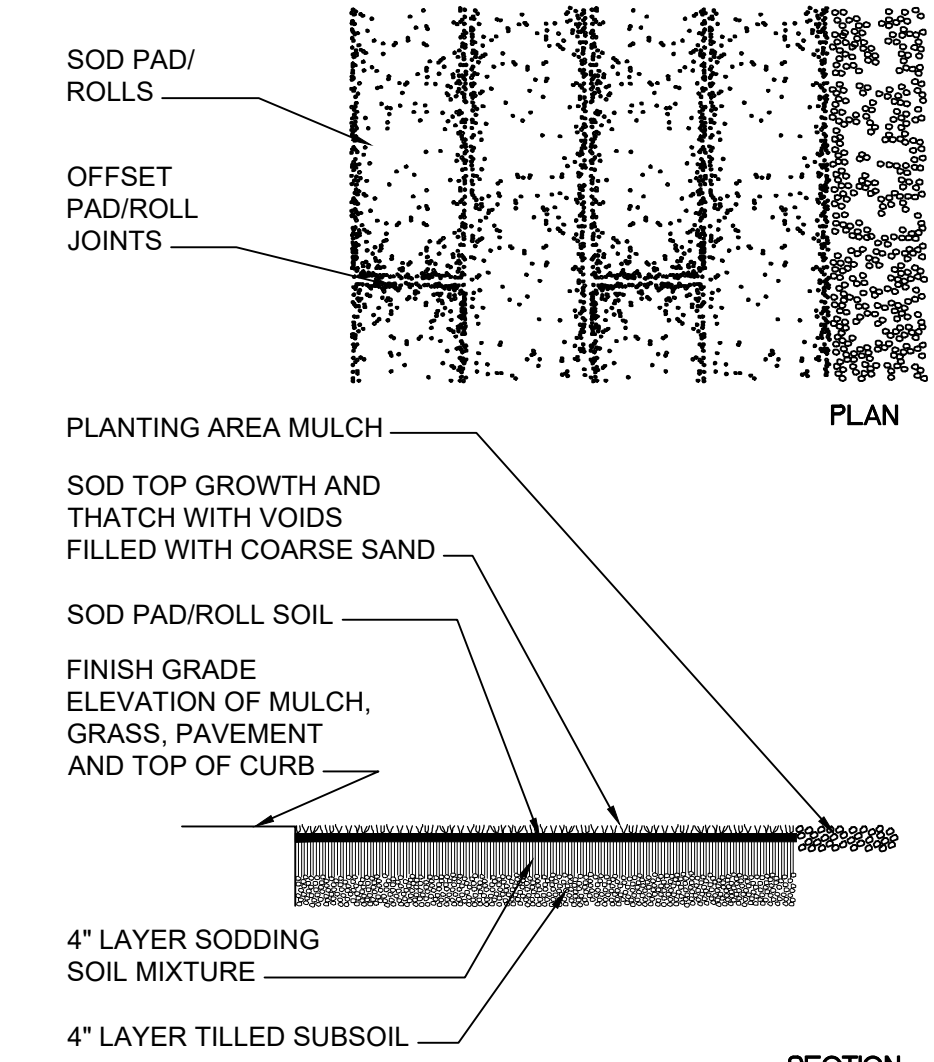
PROJECT TITLE:  
**PUBLIX AT DORAL PLAZA STORE No. 0031**  
9755 N.W. 41st STREET  
CITY OF DORAL, FLORIDA 33178  
Folio No. 35-3020-012-0020  
EQUITY DEVELOPMENT GROUP, LLC  
6420 CONGRESS AVENUE, SUITE 1800  
BOCA RATON, FLORIDA 33487

ISSUE:  
NO. DATE REVISIONS BY

SITE PLAN SUBMITTAL - NOT FOR CONSTRUCTION

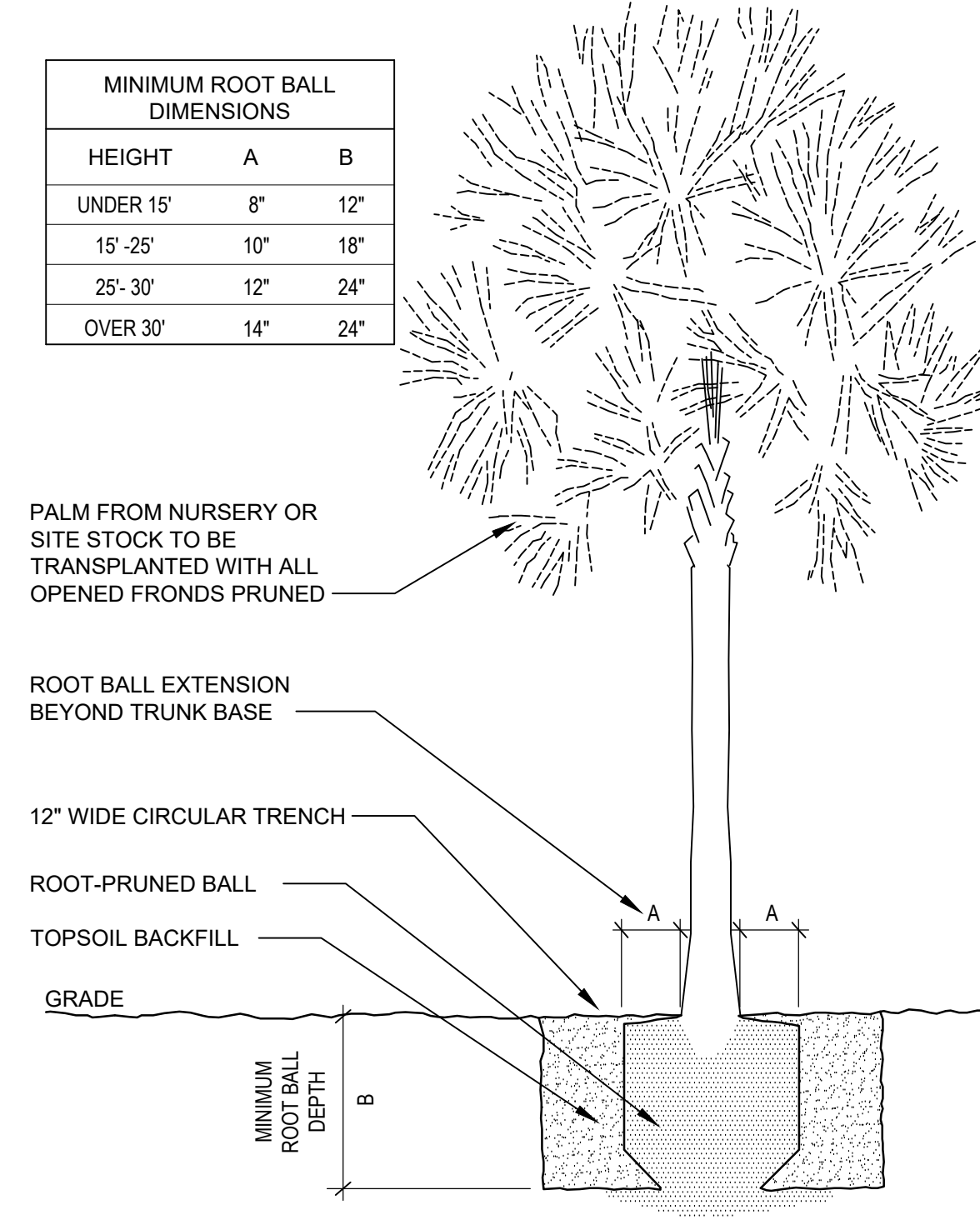


**ROOT BARRIER DETAIL**  
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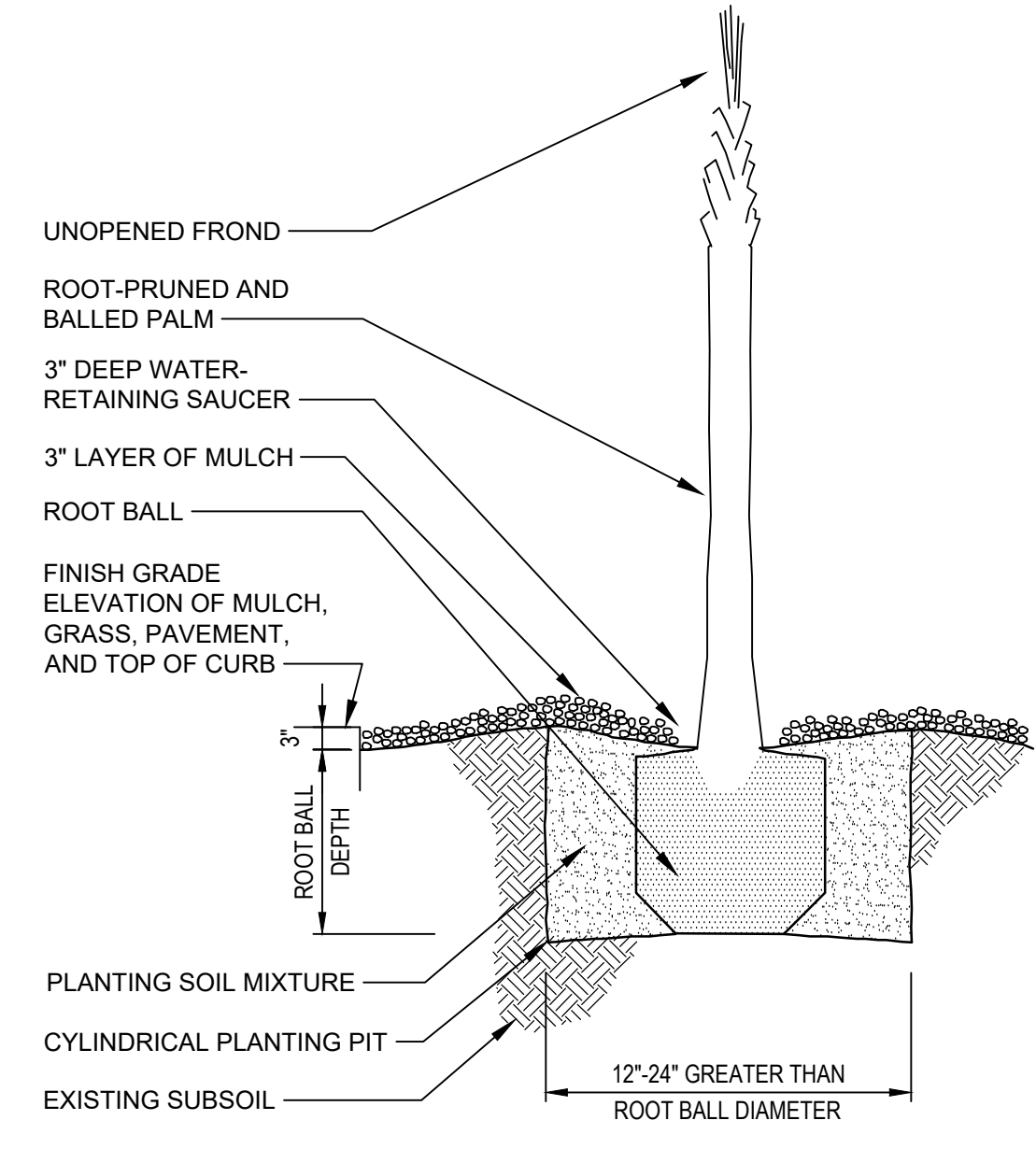


**SODDING DETAIL**  
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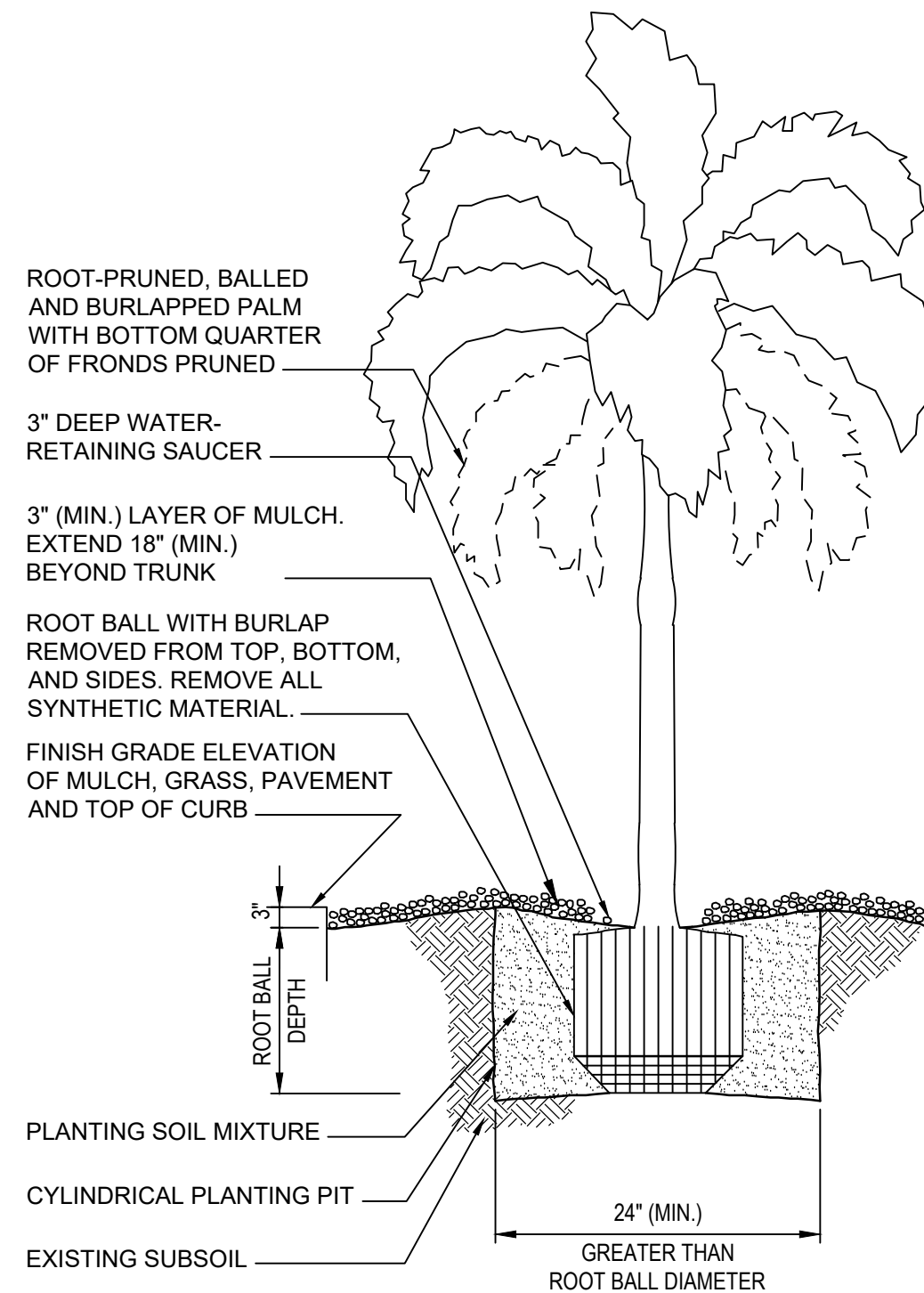
MINIMUM ROOT BALL DIMENSIONS		
HEIGHT	A	B
UNDER 15'	8"	12"
15'-25'	10"	18"
25'-30'	12"	24"
OVER 30'	14"	24"



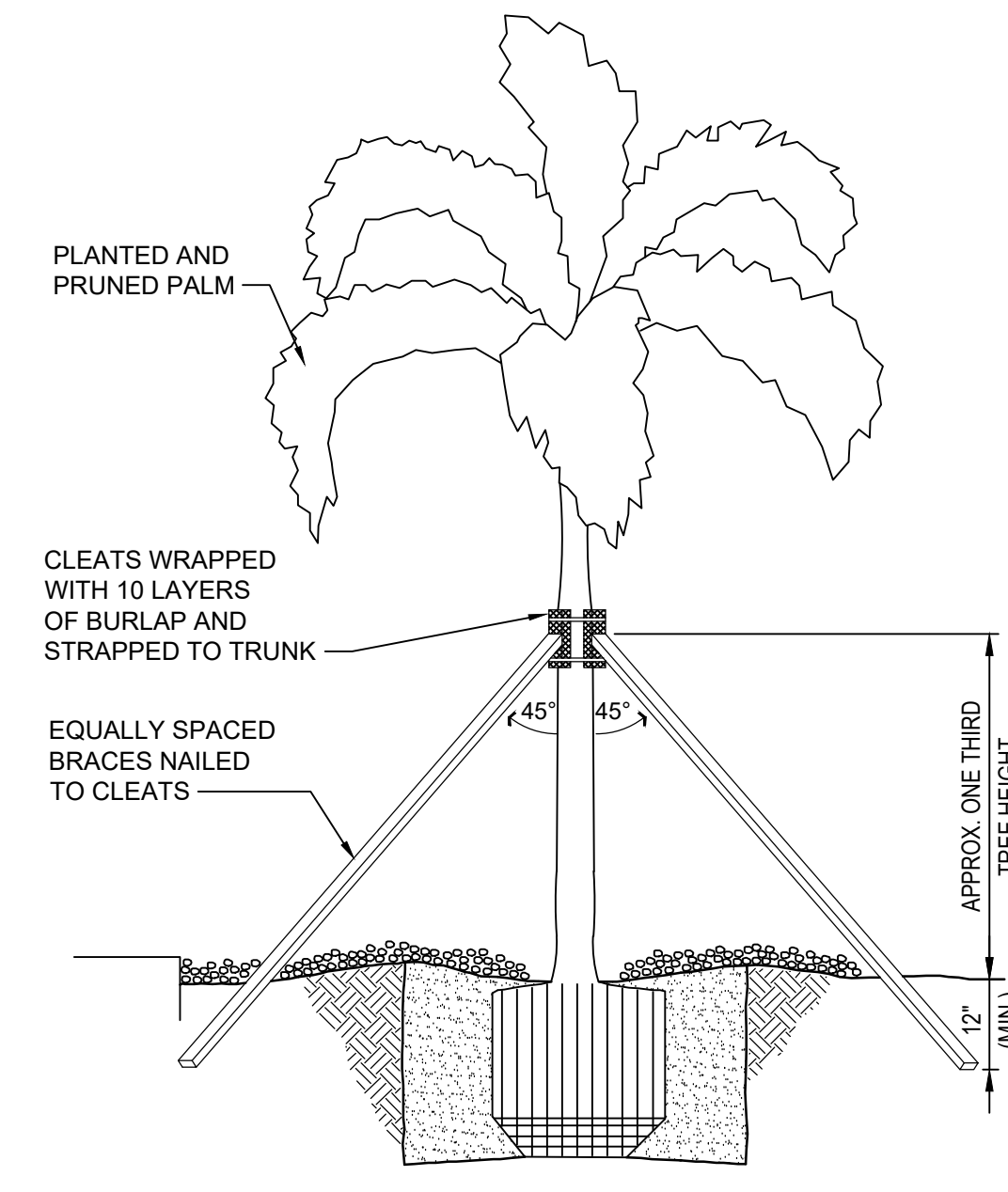
**SABAL PALM DIGGING DETAIL**  
N.T.S.



**SABAL PALM PLANTING DETAIL**  
N.T.S.



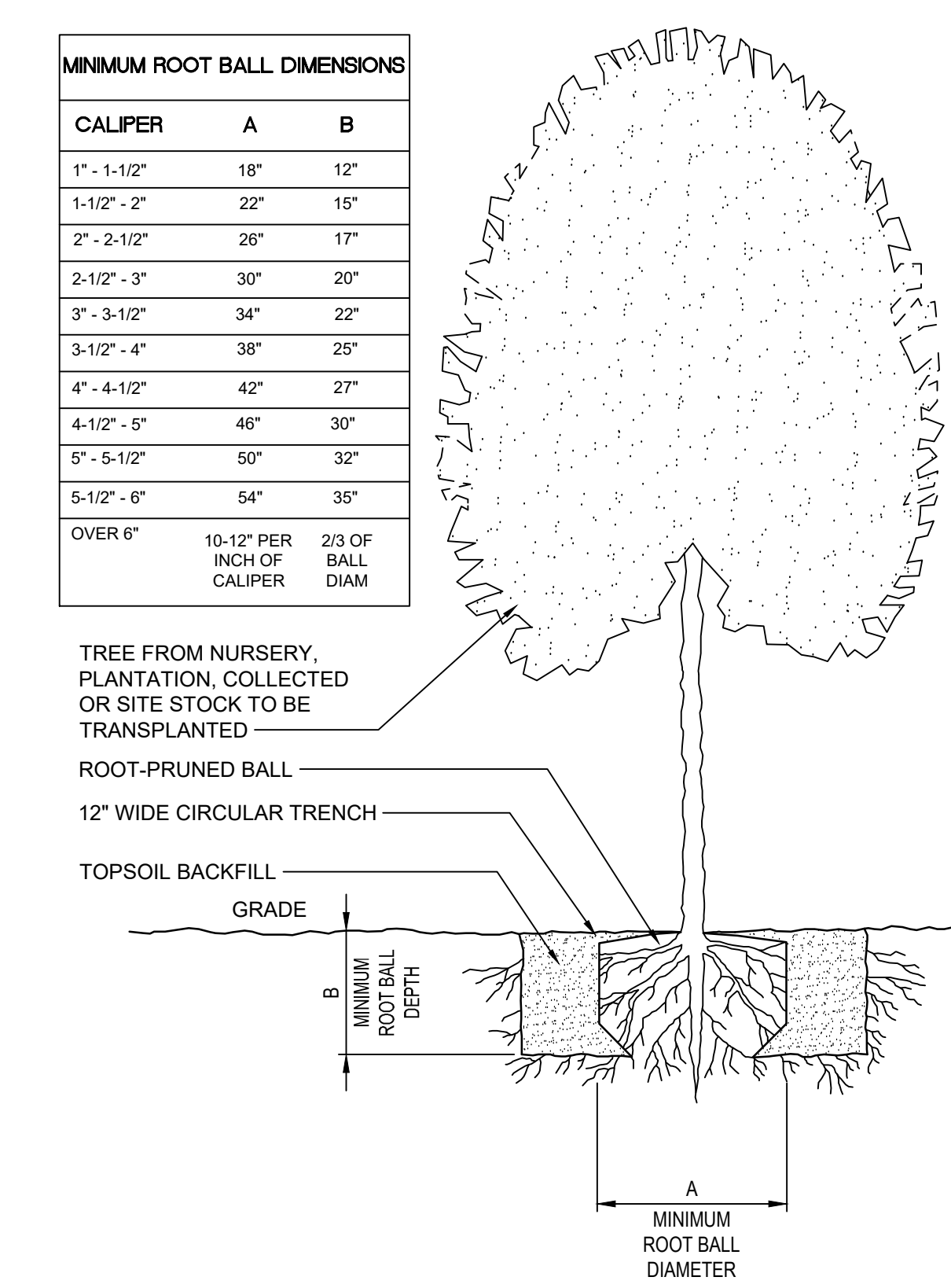
**PALM PLANTING DETAIL**  
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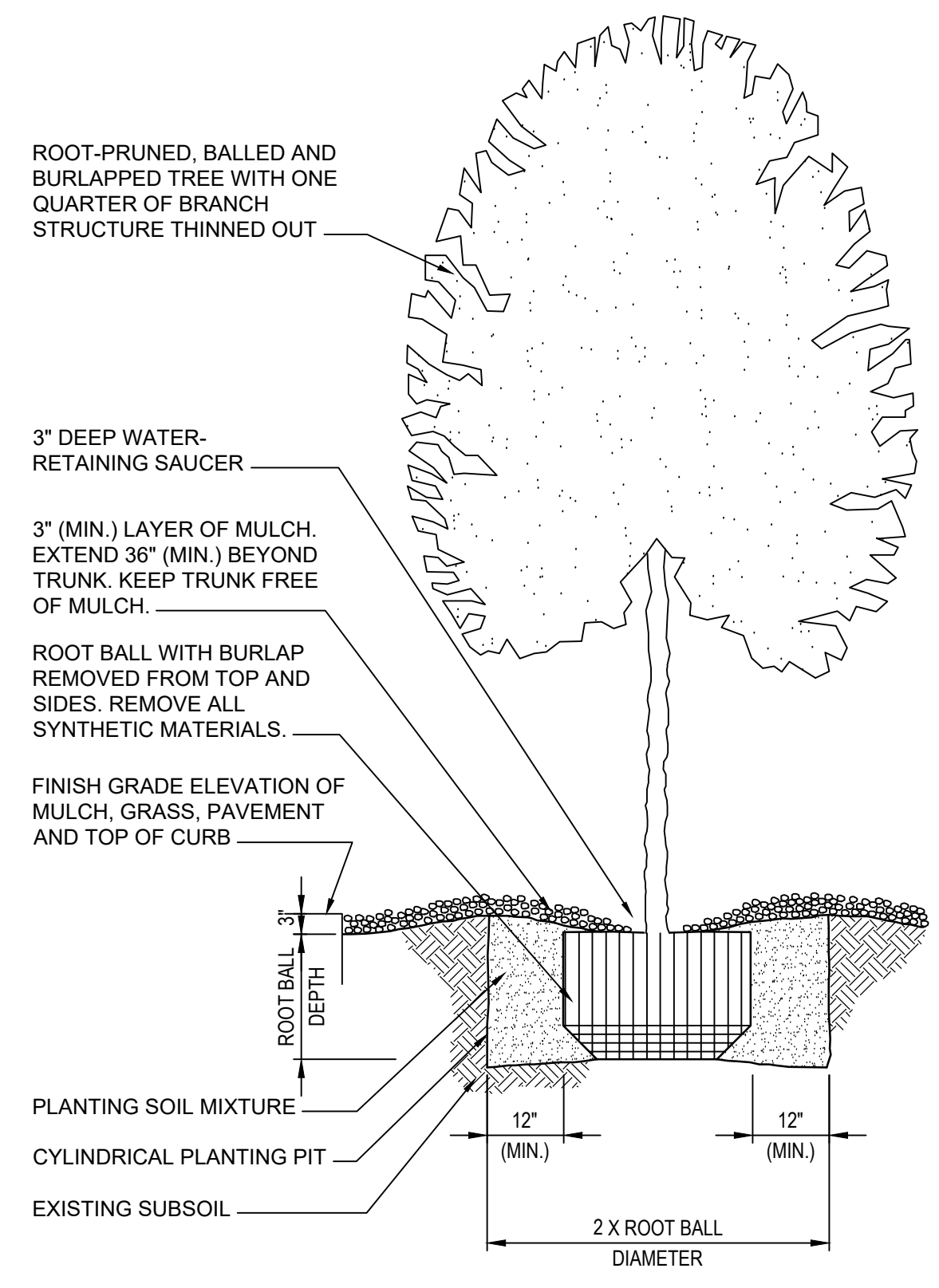
CALIPER	CLEATS	STRAPS	BRACES	NAILS
4"-8"	2"x4"x8"	(2) 1/2"x0.20"	(3) 2"x4"	(2) 16d
8"-12"	2"x4"x12"	(3) 1/2"x0.20"	(4) 2"x4"	(3) 16d
12"-24"	2"x4"x12"	(3) 1/2"x0.20"	(5) 2"x4"	(3) 16d

**PALM BRACING DETAIL**  
N.T.S.

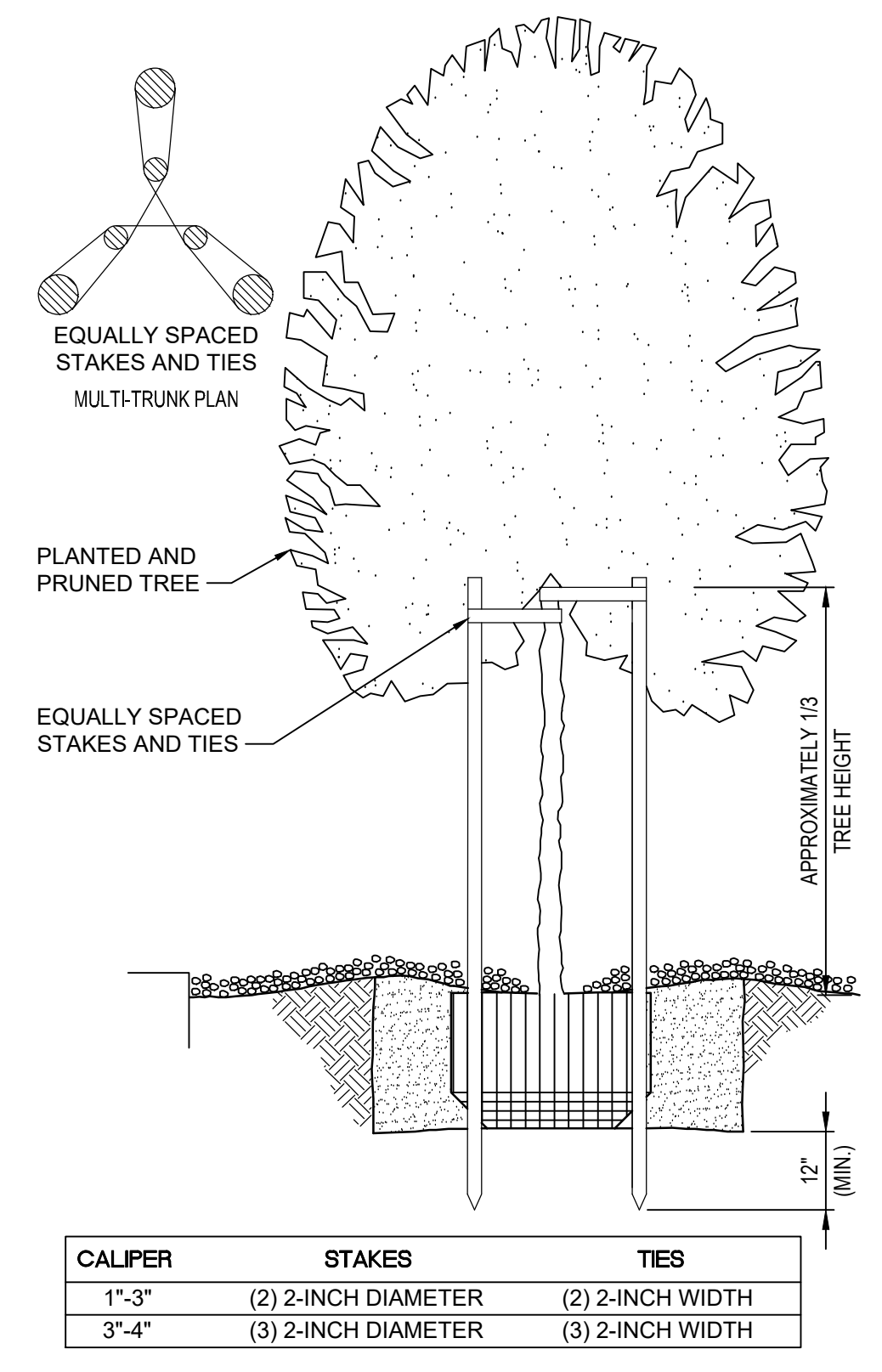
MINIMUM ROOT BALL DIMENSIONS		
CALIPER	A	B
1" - 1-1/2"	18"	12"
1-1/2" - 2"	22"	15"
2" - 2-1/2"	26"	17"
2-1/2" - 3"	30"	20"
3" - 3-1/2"	34"	22"
3-1/2" - 4"	38"	25"
4" - 4-1/2"	42"	27"
4-1/2" - 5"	46"	30"
5" - 5-1/2"	50"	32"
5-1/2" - 6"	54"	35"
OVER 6"	10-12" PER INCH OF CALIPER	2/3 OF BALL DIAM



**TREE DIGGING DETAIL**  
N.T.S.

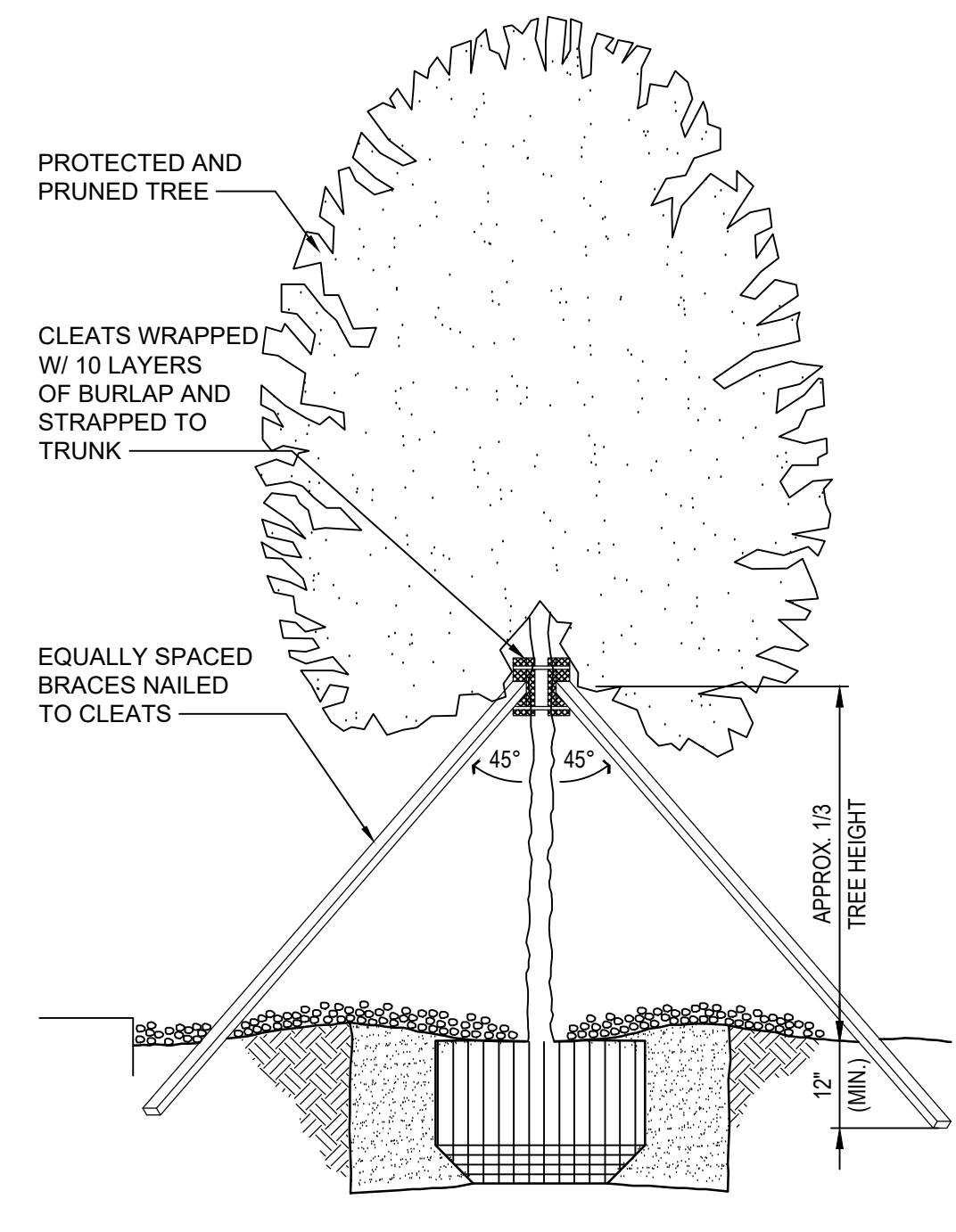


**TREE PLANTING DETAIL**  
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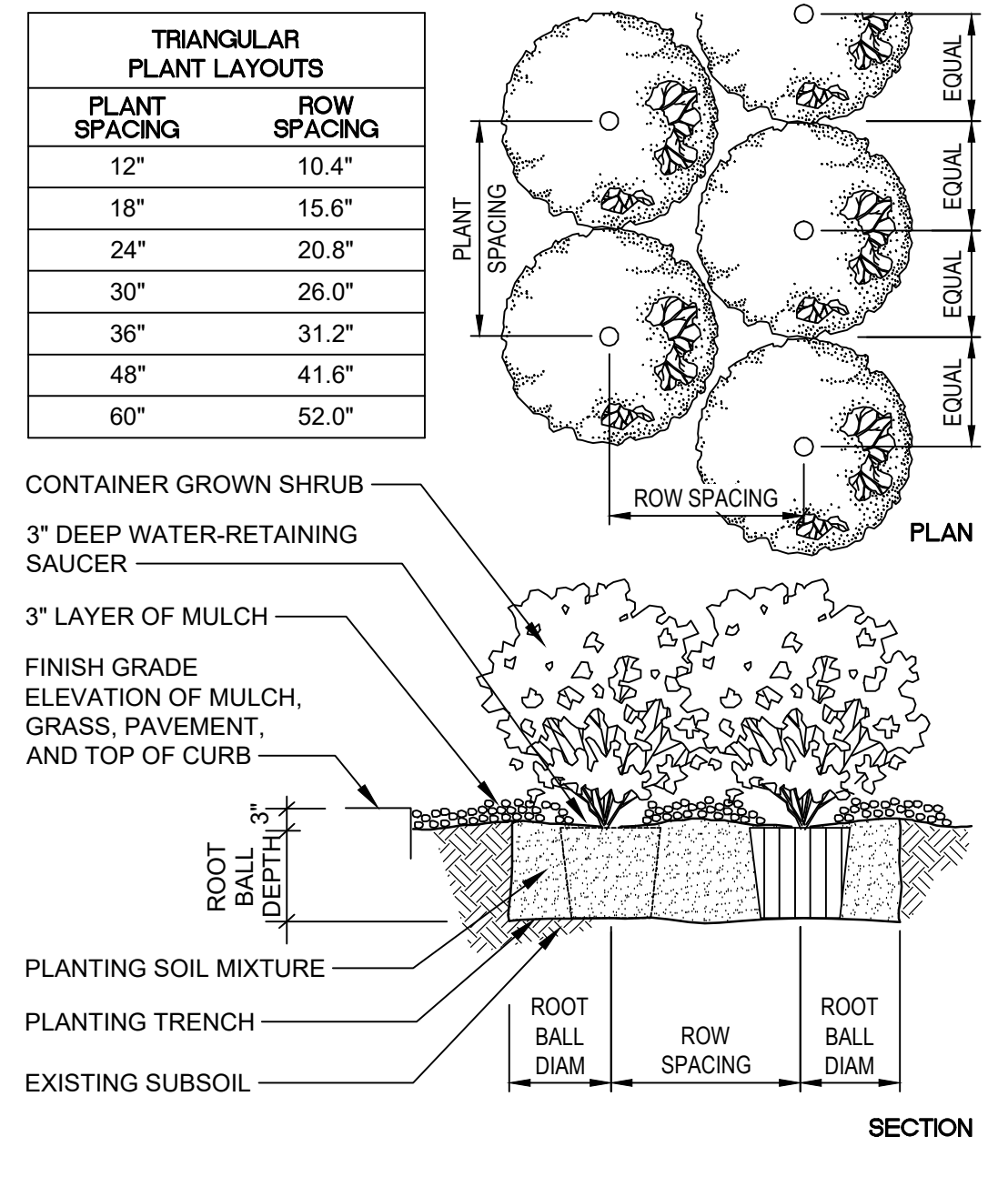
CALIPER	STAKES	TIES
1"-3"	(2) 2-INCH DIAMETER	(2) 2-INCH WIDTH
3"-4"	(3) 2-INCH DIAMETER	(3) 2-INCH WIDTH

**TREE STAKING DETAIL**  
N.T.S.



CALIPER	CLEATS	STRAPS	BRACES	NAILS
4"-8"	2"x4"x8"	(2) 1/2"x0.20"	(3) 2"x4"	(2) 16d
8"-12"	2"x4"x12"	(3) 1/2" X 0.20"	(4) 2"x4"	(3) 16d
12"-24"	2"x4"x12"	(3) 1/2" X 0.20"	(5) 2"x4"	(3) 16d

**TREE BRACING DETAIL**  
N.T.S.



TRIANGULAR PLANT LAYOUTS	
PLANT SPACING	ROW SPACING
12"	10.4"
18"	15.6"
24"	20.8"
30"	26.0"
36"	31.2"
48"	41.6"
60"	52.0"

**SHRUB PLANTING DETAIL**  
N.T.S.

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SECTION 32 93 00 PLANTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. PREPARATION OF SUBSOIL AND TOPSOIL.
B. NEW TREES, SHRUBS, AND GROUND COVER.
C. MULCH AND FERTILIZER.
D. TREE PRUNING.

1.02 SUBMITTALS

- A. SUBMIT LIST OF PLANT LIFE SOURCES WITH ACCOMPANYING RECENT PHOTOGRAPH OF TYPICAL SAMPLE FOR EACH SCHEDULED PLANT SPECIES.
B. SUBMIT CERTIFICATES OF INSPECTION AS REQUIRED BY GOVERNING AUTHORITIES HAVING JURISDICTION.
C. SUBMIT CERTIFIED ANALYSES FOR TOPSOIL, SAND, AND FERTILIZERS.
D. SUBMIT MANUFACTURERS' PUBLISHED TECHNICAL DATA, AND INSTALLATION AND MAINTENANCE INSTRUCTIONS FOR MATERIALS AND PRODUCTS.
E. SUBMIT PROPOSED SCHEDULE WITH DATES FOR EACH TYPE OF PLANTING DURING FAVORABLE WEATHER FOR SUCH WORK.
F. SUBMIT TYPEWRITTEN INSTRUCTIONS RECOMMENDING MAINTENANCE PROCEDURES TO BE ESTABLISHED BY OWNER FOR MAINTENANCE OF PLANTS FOR ONE FULL YEAR.

1.03 QUALITY ASSURANCE

- A. COMPLY WITH APPLICABLE REQUIREMENTS OF GOVERNING AUTHORITIES HAVING JURISDICTION, INCLUDING ANIMAL AND PLANT HEALTH INSPECTION SERVICES OF THE US DEPARTMENT OF AGRICULTURE.
B. COMPLY WITH APPLICABLE REQUIREMENTS OF FLORIDA POWER & LIGHT COMPANY, INCLUDING LINE CLEARANCE CERTIFICATION.
C. PROVIDE PLANTS THAT COMPLY WITH APPLICABLE PROVISIONS OF FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES GRADES AND STANDARDS FOR NURSERY PLANTS FOR GRADE NUMBER 1 OR BETTER.
D. PROVIDE PLANTS THAT COMPLY WITH APPLICABLE PROVISIONS OF ANSI Z60.1.
E. PROVIDE PLANTS THAT HAVE A HABIT OF GROWTH THAT IS NORMAL FOR SPECIES AND CULTIVARS, AND THAT ARE SOUND, HEALTHY, VIGOROUS, WELL ROOTED, AND FREE OF INSECT PESTS, PLANT DISEASES, WEEDS, AND INJURIES.
F. PROVIDE PLANTS GROWN IN RECOGNIZED NURSERY IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE.
G. PROVIDE PLANTS WITH UNIFORM HEIGHT, SPREAD, AND CALIPER WHERE MATCHED QUANTITIES ARE INDICATED.
H. SHIP PLANTS WITH CERTIFICATES OF INSPECTION REQUIRED BY GOVERNING AUTHORITIES HAVING JURISDICTION.
I. LANDSCAPE ARCHITECT MAY REVIEW PLANTS AT NURSERY OR AT PROJECT SITE BEFORE PLANTING FOR COMPLIANCE WITH REQUIREMENTS.
J. LANDSCAPE ARCHITECT RETAINS RIGHT TO FURTHER REVIEW PLANTS FOR QUALITY, PESTS, DAMAGE, AND LATENT DEFECTS.
K. NURSERY QUALIFICATIONS: COMPANY SPECIALIZING IN GROWING AND CULTIVATING THE PLANTS WITH THREE YEARS DOCUMENTED EXPERIENCE.
L. INSTALLER QUALIFICATIONS: COMPANY SPECIALIZING IN INSTALLING AND PLANTING THE PLANTS WITH MINIMUM FIVE YEARS EXPERIENCE.

1.04 SITE VISITS

- A. SCHEDULE SITE VISITS BY LANDSCAPE ARCHITECT FOR REVIEW OF PLANTS AND PLANTING SOIL MIXTURES, AND FIELD OBSERVATION OF PLANTING LAYOUT, SUBSOIL CONDITIONS, SOIL MIXTURES, ROUGH AND FINISH GRADES, PLANTING, AND PLANTED VEGETATION.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. DELIVER FERTILIZER IN WATERPROOF BAGS SHOWING WEIGHT, CHEMICAL ANALYSIS, AND NAME OF MANUFACTURER.
B. PROTECT AND MAINTAIN PLANT LIFE UNTIL PLANTED.
C. PROVIDE TIMELY ROOT-PRUNED, FRESHLY DUG FIELD-GROWN PLANTS. DO NOT PRUNE PLANTS PRIOR TO DELIVERY UNLESS OTHERWISE INDICATED.
D. DELIVER FIELD-GROWN PLANTS AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED.
E. DELIVER FIELD-GROWN PLANTS AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED.
F. DELIVER FIELD-GROWN PLANTS AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED.

1.06 FIELD CONDITIONS

- A. PROCEED WITH AND COMPLETE PLANTING AS RAPIDLY AS PORTIONS OF PROJECT SITE BECOME AVAILABLE.
B. WHEN CONDITIONS DETRIMENTAL TO PLANT GROWTH ARE ENCOUNTERED, SUCH AS FILL, DEBRIS, CONTAMINATION, ADVERSE DRAINAGE CONDITIONS, OR GROUND OR OVERHEAD OBSTRUCTIONS.
C. PLANT VEGETATION AND INSTALL MATERIALS DURING WEATHER FAVORABLE FOR SUCH WORK.
D. INSTALL PLANTS AFTER FINAL GRADES ARE ESTABLISHED AND PRIOR TO SODDING OF LAWNS, UNLESS OTHERWISE ACCEPTABLE TO ARCHITECT.

1.07 WARRANTY

- A. PROVIDE ONE YEAR WARRANTY.
B. WARRANTY: INCLUDE COVERAGE FOR ONE CONTINUOUS GROWING SEASON; REPLACE DEAD OR UNHEALTHY PLANTS.
C. REPLACEMENTS: PLANTS OF SAME SIZE AND SPECIES AS SPECIFIED, PLANTED IN THE NEXT GROWING SEASON, WITH A NEW WARRANTY COMMENCING ON DATE OF REPLACEMENT.

PART 2 PRODUCTS

2.01 PLANTS

- A. PLANTS: SPECIES AND SIZE IDENTIFIED IN PLANT SCHEDULE, GROWN IN CLIMATIC CONDITIONS SIMILAR TO THOSE IN LOCALITY OF THE WORK.

2.02 SOIL AMENDMENT MATERIALS

- A. FERTILIZER: SUBJECT TO COMPLIANCE WITH APPLICABLE REQUIREMENTS, PROVIDE FERTILIZERS MANUFACTURED BY ATLANTIC FLORIDA EAST COAST FERTILIZER AND CHEMICAL (AFEC) AS SCHEDULED BELOW.
B. PEAT HUMUS: BROWN, FINELY DIVIDED, GRANULAR, NON-FIBROUS, DECOMPOSED CANADIAN SPHAGNUM MOSS, WITH PH RANGE 5.5 TO 7.5, OR AS OTHERWISE SUITABLE FOR INTENDED USE.
C. SAND: CLEANED, WASHED, NUMBER 70 SILICA SAND, FREE OF SILT, SLUDGE, AND TOXIC MATERIALS.
D. WATER: CLEAN, FRESH, AND FREE OF SUBSTANCES OR MATTER THAT COULD INHIBIT VIGOROUS GROWTH OF PLANTS.

2.03 MULCH MATERIALS

- A. MULCHING MATERIAL: SUBJECT TO COMPLIANCE WITH APPLICABLE REQUIREMENTS, PROVIDE MULCH MATERIAL FREE OF SEED AND WEEDS TO PREVENT TREE SPROUTING AND PLANT GROWTH.
B. WRAPPING MATERIALS: BURLAP.
C. STAKES, BRACES, AND CLEATS: PROVIDE STAKES, BRACES, AND CLEATS OF SOUND, NEW TREATED SOFTWOOD, FREE OF KNOTHOLES AND OTHER DEFECTS.
D. TIES: SUBJECT TO COMPLIANCE WITH APPLICABLE REQUIREMENTS, PROVIDE OLIVE GREEN AT ARBORTIES MANUFACTURED BY DEEPROOT.
E. BED DIVIDER: SUBJECT TO COMPLIANCE WITH APPLICABLE REQUIREMENTS, PROVIDE BLACK DIAMOND BD-20 BED DIVIDER MANUFACTURED BY VALLEY VIEW INDUSTRIES.
F. ROOT BARRIER: SUBJECT TO COMPLIANCE WITH APPLICABLE REQUIREMENTS, PROVIDE 24" DEPTH BARRIER MANUFACTURED BY DEEPROOT.

2.04 ACCESSORIES

- A. FILTRATION/SEPARATION FABRIC: PROVIDE WATER PERMEABLE FILTRATION MATERIAL OF FIBERGLASS OR POLYPROPYLENE FABRIC.
B. WRAPPING MATERIALS: BURLAP.
C. STAKES, BRACES, AND CLEATS: PROVIDE STAKES, BRACES, AND CLEATS OF SOUND, NEW TREATED SOFTWOOD, FREE OF KNOTHOLES AND OTHER DEFECTS.
D. TIES: SUBJECT TO COMPLIANCE WITH APPLICABLE REQUIREMENTS, PROVIDE OLIVE GREEN AT ARBORTIES MANUFACTURED BY DEEPROOT.
E. BED DIVIDER: SUBJECT TO COMPLIANCE WITH APPLICABLE REQUIREMENTS, PROVIDE BLACK DIAMOND BD-20 BED DIVIDER MANUFACTURED BY VALLEY VIEW INDUSTRIES.
F. ROOT BARRIER: SUBJECT TO COMPLIANCE WITH APPLICABLE REQUIREMENTS, PROVIDE 24" DEPTH BARRIER MANUFACTURED BY DEEPROOT.

2.05 SOURCE QUALITY CONTROL

- A. PROVIDE TESTING AND ANALYSIS OF IMPORTED TOPSOIL.
B. TESTING IS NOT REQUIRED IF RECENT TESTS ARE AVAILABLE FOR IMPORTED TOPSOIL. SUBMIT THESE TEST RESULTS TO THE TESTING LABORATORY FOR APPROVAL.

PART 3 EXECUTION

3.01 EXAMINATION

- A. VERIFY THAT PREPARED SUBSOIL IS READY TO RECEIVE WORK.
B. SATURATE SOIL WITH WATER TO TEST DRAINAGE.
C. VERIFY THAT REQUIRED UNDERGROUND UTILITIES ARE AVAILABLE, IN PROPER LOCATION, AND READY FOR USE.

3.02 PREPARATION OF SUBSOIL

- A. PREPARE SUBSOIL TO ELIMINATE UNEVEN AREAS. MAINTAIN PROFILES AND CONTOURS. MAKE CHANGES IN GRADE GRADUAL. BLEND SLOPES INTO LEVEL AREAS.
B. REMOVE FOREIGN MATERIALS, WEEDS AND UNDESIRABLE PLANTS AND THEIR ROOTS. REMOVE CONTAMINATED SUBSOIL.
C. SCARIFY SUBSOIL TO A DEPTH OF 3 INCHES (75 MM) WHERE PLANTS ARE TO BE PLACED. REPEAT CULTIVATION IN AREAS WHERE EQUIPMENT, USED FOR HAULING AND SPREADING TOPSOIL, HAS COMPACTED SUBSOIL.
D. DIG PITS, TRENCHES, AND BEDS OF SIZES INDICATED ON DRAWINGS WITH VERTICAL SIDES AND SLIGHTLY RAISED BOTTOM AT CENTER TO PROVIDE PROPER DRAINAGE.

3.03 TRANSPLANTING

- A. TRENCH AROUND FIELD-GROWN PLANTS TO BE TRANSPLANTED, WHETHER NURSERY OR SITE STOCK, TO FORM ROOTBALLS OF SIZES INDICATED ON DRAWINGS.
B. RELOCATE PLANTS WHEN SUFFICIENT, BUT NOT EXCESSIVE, NEW ROOT GROWTH IS ESTABLISHED TO ASSURE FULL RECOVERY.
C. ROOT PRUNE PLANTS TO BE TRANSPLANTED 8-12 WEEKS PRIOR TO RELOCATION.
D. LIFTING METHOD. ONLY STRAPS SHOULD BE USED TO LIFT TREE WITH A CRANE.

3.04 LAYOUT

- A. STAKE INDIVIDUAL PLANTING LOCATIONS AND OUTLINE MULTIPLE PLANTING AREAS. SECURE LANDSCAPE ARCHITECT'S ACCEPTANCE BEFORE START OF PLANTING WORK.
B. SUBJECT TO COMPLIANCE WITH APPLICABLE REQUIREMENTS, INSTALL MATERIALS AND PRODUCTS IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.

3.05 INSTALLATION

- A. SUBJECT TO COMPLIANCE WITH APPLICABLE REQUIREMENTS, INSTALL MATERIALS AND PRODUCTS IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.

3.06 PLANTING SOIL MIXTURES

- A. PROVIDE PLANTING SOIL MIXES COMPOSED BY VOLUME AS SCHEDULED BELOW.
B. BEFORE MIXING, SCREEN PEAT HUMUS TO A FRIABLE CONDITION FREE OF ROOTS, PLANTS, SODS, STONES, CLAY LUMPS, AND OTHER EXTRANEEOUS MATERIALS HARMFUL OR TOXIC TO PLANT GROWTH.
C. STAKE AND BRACE PALMS AND TREES IMMEDIATELY AFTER PLANTING, AS INDICATED ON DRAWINGS.

3.07 FERTILIZING

- A. APPLY FERTILIZER IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. DELAY MIXING OF FERTILIZER IF PLANTING WILL NOT FOLLOW MIXING WITHIN 3 DAYS.

3.08 PLANTING

- A. SET PLANTS PLUMB AND CENTERED ON RAISED EXCAVATION BOTTOMS WITH TOP OF ROOTBALLS FLUSH WITH ADJACENT TOPSOIL.
B. BACKFILL WITH PLANTING SOIL MIXTURE. PLACE MIXTURE IN LIGHTLY COMPACTED LAYERS.
C. STAKE AND BRACE PALMS AND TREES IMMEDIATELY AFTER PLANTING, AS INDICATED ON DRAWINGS.

3.09 MULCHING

- A. MULCH ENTIRE SURFACE OF PITS, TRENCHES, AND BEDS. PROVIDE MULCH THICKNESS INDICATED ON DRAWINGS.
B. MULCH THICKNESS INDICATED ON DRAWINGS. DO NOT APPLY MULCH AGAINST TRUNKS OR STEMS.

3.10 BED DIVIDER

- A. INSTALL BED DIVIDER IN ACCORDANCE WITH RECOMMENDATIONS OF MANUFACTURERS.

3.11 ROOT BARRIERS

- A. INSTALL ROOT BARRIERS IN ACCORDANCE WITH RECOMMENDATIONS OF MANUFACTURERS.

3.12 TREE PRUNING

- A. PERFORM PRUNING OF TREES AS RECOMMENDED IN ANSI A300 PART 1.
B. PRUNE, THIN OUT, AND SHAPE PLANTS AS INDICATED ON DRAWINGS TO RETAIN NATURAL CHARACTER AND PROVIDE REQUIRED HEIGHT, SPREAD, AND CLEAR TRUNK IMMEDIATELY AFTER PLANTING.
C. STAKE AND BRACE PALMS AND TREES IMMEDIATELY AFTER PLANTING, AS INDICATED ON DRAWINGS.

3.13 ANTIDESICCANT

- A. APPLY ANTIDESICCANT TO TREES AND PALMS USING POWER SPRAY TO PROVIDE AN ADEQUATE FILM OVER TRUNKS, BRANCHES, STEMS, TWIGS, AND FOLIAGE.

3.14 FIELD QUALITY CONTROL

- A. PLANTS WILL BE REJECTED IF A BALL OF EARTH SURROUNDING ROOTS HAS BEEN DISTURBED OR DAMAGED PRIOR TO OR DURING PLANTING.

3.15 MAINTENANCE

- A. BEGIN MAINTENANCE IMMEDIATELY AFTER PLANTING. MAINTAIN PLANTS UNTIL FINAL ACCEPTANCE.
B. MAINTAIN PLANTS BY WATERING, FERTILIZING, WEEDING, TRIMMING, AND OTHER OPERATIONS SUCH AS REGRADING AND REPLANTING.
C. WATER FIELD-GROWN PLANTS DAILY FOR 30 DAYS, EVERY OTHER DAY FOR 150 DAYS, AND WEEKLY THEREAFTER.
D. REPLACE MULCH WHEN DETERIORATED.
E. MAINTAIN WRAPPINGS, GUYS, STAKES AND TIES. REPAIR OR REPLACE ACCESSORIES WHEN REQUIRED.

3.14 DISPOSAL OF WASTE

- A. REMOVE AND LEGALLY DISPOSE OF SURPLUS SOIL AND WASTE MATERIAL, INCLUDING EXCESS SUBSOIL, UNSUITABLE SOIL, TRASH, DEBRIS, AND CONTAMINATED MATERIALS.
B. REMOVE TEMPORARY SUPPORTS, SUCH AS STAKES, BRACES, CLEATS, STRAPS, AND NAILS, ONCE PLANTS BECOME ESTABLISHED AND SELF-SUPPORTING.

3.15 CLEANUP AND PROTECTION

- A. KEEP PAVEMENTS CLEAN AND WORK AREA IN AN ORDERLY CONDITION. PROTECT WORK AGAINST DAMAGE DUE TO PLANTING OPERATIONS.
B. WHEN OBSERVED WORK DOES NOT COMPLY WITH REQUIREMENTS, REPLACE REJECTED WORK AND CONTINUE SPECIFIED MAINTENANCE UNTIL OBSERVED AGAIN BY LANDSCAPE ARCHITECT AND FOUND TO BE ACCEPTABLE.

3.16 ACCEPTANCE

- A. WHEN PLANTING, INCLUDING MAINTENANCE, IS COMPLETED, SCHEDULE SITE VISIT BY LANDSCAPE ARCHITECT FOR FIELD OBSERVATION TO DETERMINE ACCEPTABILITY.
B. WHEN OBSERVED WORK DOES NOT COMPLY WITH REQUIREMENTS, REPLACE REJECTED WORK AND CONTINUE SPECIFIED MAINTENANCE UNTIL OBSERVED AGAIN BY LANDSCAPE ARCHITECT AND FOUND TO BE ACCEPTABLE.

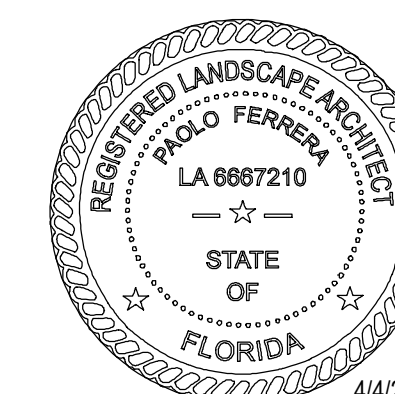


Graef-USA Inc.
9200 South Dadeland Boulevard
Suite 230
Miami, FL 33156
305 / 378 5555
305 / 279 4553 fax

www.graef-usa.com

CERTIFICATE OF AUTHORIZATION NO. 4270

SEAL / SIGNATURE:



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PAOLO FERRERA, P.L.A. 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.

FOR THE FIRM: PAOLO FERRERA LA 6667210

PROJECT TITLE:

PUBLIX AT DORAL PLAZA STORE No. 0031

9755 N.W. 41st STREET CITY OF DORAL, FLORIDA 33178

Folio No. 35-3020-012-0020

EQUITY DEVELOPMENT GROUP, LLC 6420 CONGRESS AVENUE, SUITE 1800 BOCA RATON, FLORIDA 33487

ISSUE: NO. DATE REVISIONS BY

PROJECT INFORMATION:

PROJECT NUMBER: 2024-7005

DATE: 04/02/24

DRAWN BY: P.F.

CHECKED BY: N.H.O.

APPROVED BY: P.F.

SCALE: AS SHOWN

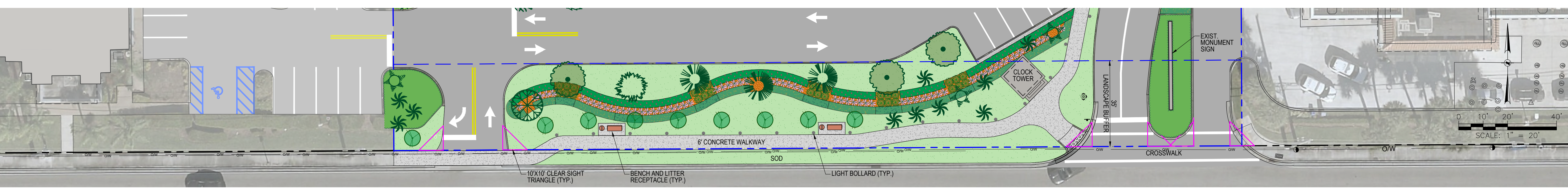
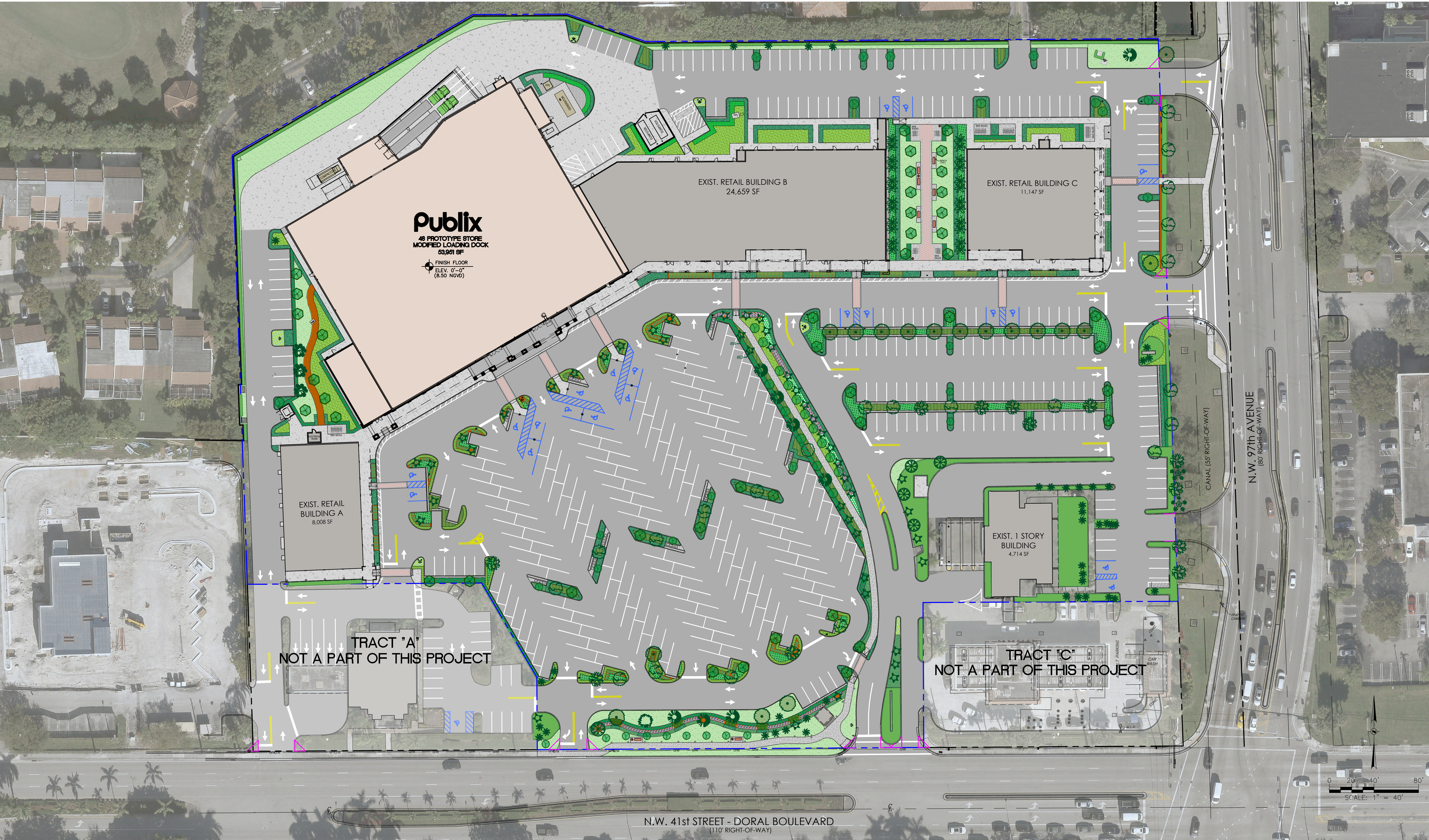
SHEET TITLE:

LANDSCAPE SPECIFICATIONS

SHEET NUMBER:

L-2.3

X:\MIA\2019\201907049\Design\Latest Drawings (02-25-25)\L-2.2 PLANTING DETAILS 4/4/2025 4:58 PM



## PUBLIX AT DORAL PLAZA

PRELIMINARY SITE PLAN SCALE: 1" = 40'

9755 N.W. 41st STREET  
CITY OF DORAL, FLORIDA 33178

4/2/2025



DATE: LOCATION: TYPE: PROJECT: CATALOG #:

## VIPER L LARGE VIPER LUMINAIRE

**FEATURES**

- Large size companion to Viper Small
- Wide choice of different LED wattage configurations
- Ten optic distributions
- Designed to replace H8 lighting up to 1000W H8 or HPS
- Suitable for wet locations

**CONTROL TECHNOLOGY**

NX **energent** SiteSync

**RELATED PRODUCTS**

# Viper Small

**INSTALLATION**

• Luminaire recesses 100V through 277V, 347V or 480V (not 50 Hz to 60 Hz (UNV))

• Power factor is > .90 at full load

• Dimming drivers are standard, but CD must be selected in options to obtain external wiring leads for dimming controls

• Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 600VAC at 90°C or higher

• Plug disconnects are certified by UL for use at 600 VAC, 15A or higher, 15A rating applies to primary (AC) side only

• Future electrical compartment contains all LED driver components

• IGA approved

• This product is approved by the Florida Fish and Wildlife Conservation Commission. Specifics: specific available online.

**WARRANTY**

- 5 year warranty
- See HLI Commercial and Industrial Outdoor Lighting Warranty for additional information

**KEY DATA**

Lumen Range	14,263-39,969
Wattage Range	64-395
Efficacy Range (L/PW)	98-135
Reported Life (Hours)	170,077-200,000
Input Current Range (Amper)	0.3-4.0

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DATE: LOCATION: TYPE: PROJECT: CATALOG #:

## VIPER L LARGE VIPER LUMINAIRE

**ORDERING GUIDE**

Example: VPL-6L-280-4K7-4W-LNV-A-DBT-GEN-04-BC

CATALOG #

Series	Optic	CT/CR	Finish	Mounting	Control
VPL	120° Beam	CC/CR	Black	Surface	ENERgent
VPL Series Large	44-135 150W LED array	347 300K, 70 CR	2 Type 1	UNV 150-277V	GENX8 Energent
	80-180 180W LED array	4K7 400K, 70 CR	2 Type 2	347 347V	SWP StarSync Wireless, the Commission
	80-235 230W LED array	4K7 400K, 70 CR	2 Type 3	480 480V	SWP StarSync Wireless, the Commission
	96-220 220W LED array	3K7 300K, 70 CR	2 Type 4		
	96-280 280W LED array	3K7 300K, 70 CR	2 Type 5		
	96-315 315W LED array	3K7 300K, 70 CR	2 Type 6		
	96-395 395W LED array	3K7 300K, 70 CR	2 Type 7		

**Accessories and Options (Ordered Separately)**

**SCREMONTE** Remote Control SC21, Fusion. Order at least one per program to program and control the occupancy sensor.

**SWIAP** StylicSync interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes StylicSync license, software and USB cable bridge node.

**SWIAP** Windows tablet and StylicSync interface software. Includes tablet with preloaded software, StylicSync license and USB cable bridge node.

**SWBRG** StylicSync USB cable bridge node only. Order if a replacement is required or if an extra bridge node is required.

**BIRD-SPIN-4** Bird Spike

**WARRANTY**

- 5 year warranty
- See HLI Standard Warranty for additional information

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## VIPER L LARGE VIPER LUMINAIRE

**DELIVERED LUMENS**

# of LEDs	DRIVE CURRENT (mA)	SYSTEM WATTS	DISTRIBUTION TYPE	5K (5000K nominal, 70 CR)				4K (4000K nominal, 70 CR)				3K (3000K nominal, 70 CR)						
				LUMENS	LPW	B	U	G	LUMENS	LPW	B	U	G	LUMENS	LPW	B	U	G
96	1220mA	300W	120° Beam	39500	105	3	0	4	43750	104	3	0	2	37500	96	2	0	2

**INSTALLATION**

• Luminaire recesses 100V through 277V, 347V or 480V (not 50 Hz to 60 Hz (UNV))

• Power factor is > .90 at full load

• Dimming drivers are standard, but CD must be selected in options to obtain external wiring leads for dimming controls

• Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 600VAC at 90°C or higher

• Plug disconnects are certified by UL for use at 600 VAC, 15A or higher, 15A rating applies to primary (AC) side only

• Future electrical compartment contains all LED driver components

• IGA approved

• This product is approved by the Florida Fish and Wildlife Conservation Commission. Specifics: specific available online.

**WARRANTY**

- 5 year warranty
- See HLI Commercial and Industrial Outdoor Lighting Warranty for additional information

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DATE: LOCATION: TYPE: PROJECT: CATALOG #:

## TRAVERSE SURFACE/CEILING/GARAGE

**FEATURES**

- Wall surface mounted luminaire with a field replaceable LED light engine & optical beam system
- Optional passive infrared (PIR) motion sensor
- Horizontal opening motion allows for minimal effort during installation, maintenance, or upgrading
- LED wattages from 27 Watt to 136 Watt. Easy and fast mounting
- Mount the backplate to wall and attach front on hinges to close

**CONTROL TECHNOLOGY**

energent SiteSync

**RELATED PRODUCTS**

# Cruiser

**INSTALLATION**

• Back housing (back plate) is designed with various bolt patterns for direct wall mounting or mounting to a recessed junction box

• Rear housing has three integral 3/4" NPT power feed locations (bottom and each side) for surface mounted conduit applications

• After mounting the rear housing to the wall or junction box, the main housing is designed to attach and hinge closed after connecting the male and female quick connectors

• Mounting design permits a simple retrofit to existing wall luminaires that utilize or recessed junction boxes

**CERTIFICATIONS**

- The luminaire shall bear a CSA label and be marked suitable for wet locations (standard)
- This product is approved by the Florida Fish and Wildlife Conservation Commission. Specifics: specific available at: [www.beaconproducts.com/products/Traverse](http://www.beaconproducts.com/products/Traverse)
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American Construction Materials under Trade Agreements effective 06/03/2020. See Buy American Solutions.

**WARRANTY**

- 5 year warranty
- See HLI Standard Warranty for additional information

**KEY DATA**

Lumen Range	3,300-17,000
Wattage Range	27-136
Efficacy Range (L/PW)	106-155

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DATE: LOCATION: TYPE: PROJECT: CATALOG #:

## TRAVERSE SURFACE/CEILING/GARAGE

**ORDERING GUIDE**

Example: TRV-D-24L-24L-AM-3-UNV-SWP-BL

CATALOG #

Series	Optic	CT/CR	Finish	Mounting	Control
TRV	24° Beam	CC/CR	Black	Surface	ENERgent
TRV Series Down Light	24-27 27 Watt LED array	347 300K, 70 CR	2 Type 1	UNV 150-277V	GENX8 Energent
	24-55 55 Watt LED array	4K7 400K, 70 CR	3 Type 2	347 347V	SWP StarSync Wireless, the Commission
	36-80 80 Watt LED array	4K7 400K, 70 CR	3 Type 3	480 480V	SWP StarSync Wireless, the Commission
	48-102 102 Watt LED array	3K7 300K, 70 CR	3 Type IV (Front)		
	60-136 136 Watt LED array	3K7 300K, 70 CR	3 Type IV (Rear)		

**Accessories and Options (Ordered Separately)**

**SCREMONTE** Remote Control SC21, Fusion. Order at least one per program to program and control the occupancy sensor.

**SWIAP** StylicSync interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes StylicSync license, software and USB cable bridge node.

**SWIAP** Windows tablet and StylicSync interface software. Includes tablet with preloaded software, StylicSync license and USB cable bridge node.

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**BIRD-SPIN-4** Bird Spike

**WARRANTY**

- 5 year warranty
- See HLI Standard Warranty for additional information

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## TRAVERSE SURFACE/CEILING/GARAGE

**INSTALLATION**

• Back housing (back plate) is designed with various bolt patterns for direct wall mounting or mounting to a recessed junction box

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**WARRANTY**

- 5 year warranty
- See HLI Standard Warranty for additional information

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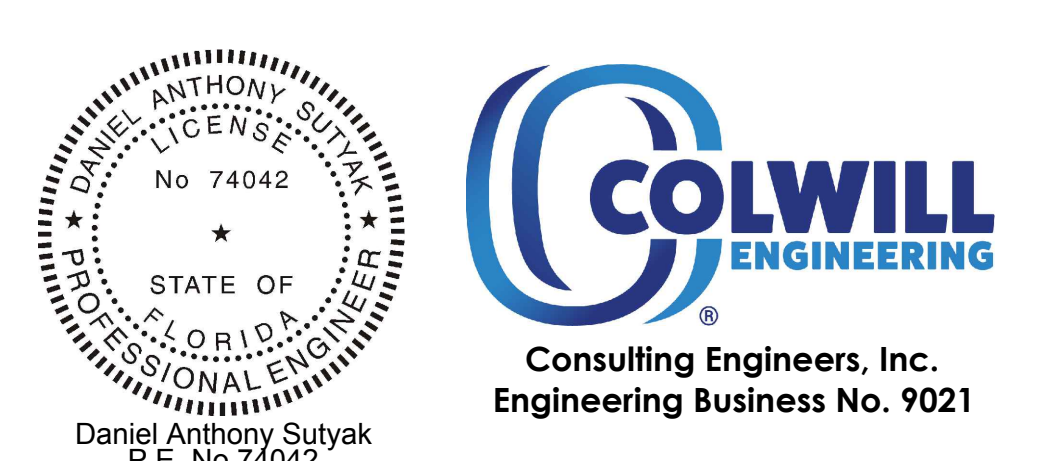
DATE: 04/23/24  
PROJECT: 2024 ALL RIGHTS RESERVED

FISHER AND ASSOCIATES, LLC.  
ARCHITECTS  
PLANNERS  
INTERIOR DESIGNERS  
286 BELLEFLORE CLEWATER, FL 33704 (727) 400-4468

PHOTOMETRIC DETAILS  
SITE SUBMITTAL  
DORAL PARK SHOPPING CENTER  
9075 NW 41ST STREET  
DORAL, FL 33178

RELEASED FOR:  
BID: -  
PERMIT: -  
CONSTR.: -

REVISIONS:



This form has been digitally signed and sealed by Daniel A. Sutyak, PE on the date adjacent to the seal.

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4750 East Adamo Drive  
Tampa, Florida 33605  
Tel: 813-241-2825  
www.colwillengineering.com  
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Job Number: 58468

EP20  
Issue Date: 04/23/24  
Project No.: 224017



FRONT PUBLIX ELEVATION

SIGNAGE REQUIREMENTS: 1.25 X 1' LINEAR FRONTAGE TOTAL SIGNAGE ALLOWED: 1.25 X 241' = 301.25 SF ALLOWED  
 PROVIDED: 151.01 SF SIGNAGE SHOWN



FRONT PUBLIX ENTRY/EXIT ELEVATION

	<b>PAINT</b> SW7001 MARSHMALLOW		<b>PAINT</b> SW6176 LIVEABLE GREEN		<b>PAINT</b> SW6178 CLARY SAGE		<b>PAINT</b> SW6179 ARTICHOKE		<b>PAINT</b> SW9107 UBER UMBER		<b>PAINT</b> SW7069 IRON ORE		<b>METAL (PF1)</b> PREFINISHED METAL - CLEAR ANODIZED		<b>METAL STORE-FRONT</b> TIGER DRYLAC RAL #6014		<b>CONCRETE TILE ROOF</b> TO MATCH EXISTING		<b>BRICK</b> ACME GLACIER WHITE
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**DORAL PUBLIX REDEVELOPMENT**  
 DESIGN DEVELOPMENT

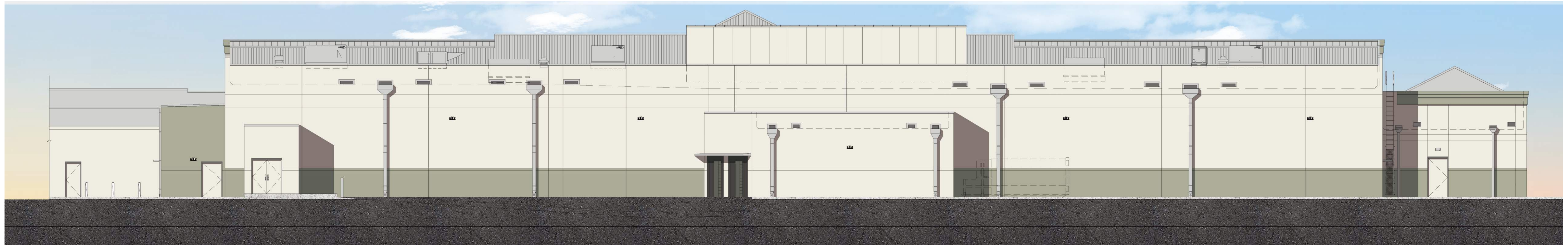
DORAL, FL

04.02.2025

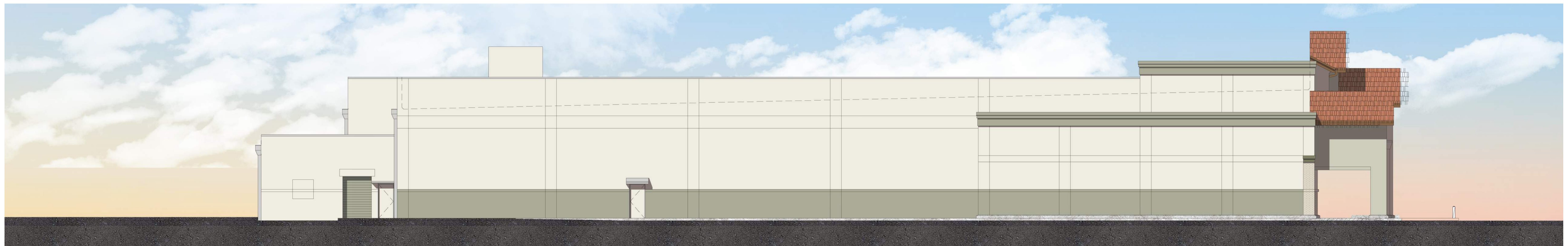




RIGHT SIDE PUBLIX ELEVATION



REAR PUBLIX ELEVATION



LEFT SIDE PUBLIX ELEVATION

	<b>PAINT</b> SW7001 MARSHMALLOW		<b>PAINT</b> SW6176 LIVEABLE GREEN		<b>PAINT</b> SW6178 CLARY SAGE		<b>PAINT</b> SW6179 ARTICHOKE		<b>PAINT</b> SW9107 UBER UMBER		<b>PAINT</b> SW7069 IRON ORE		<b>METAL (PF1)</b> PREFINISHED METAL - CLEAR ANODIZED		<b>METAL STORE- FRONT</b> TIGER DRYLAC RAL #6014		<b>CONCRETE TILE ROOF</b> TO MATCH EXISTING		<b>BRICK</b> ACME GLACIER WHITE
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**DORAL PUBLIX REDEVELOPMENT**  
DESIGN DEVELOPMENT

DORAL, FL

04.02.2025

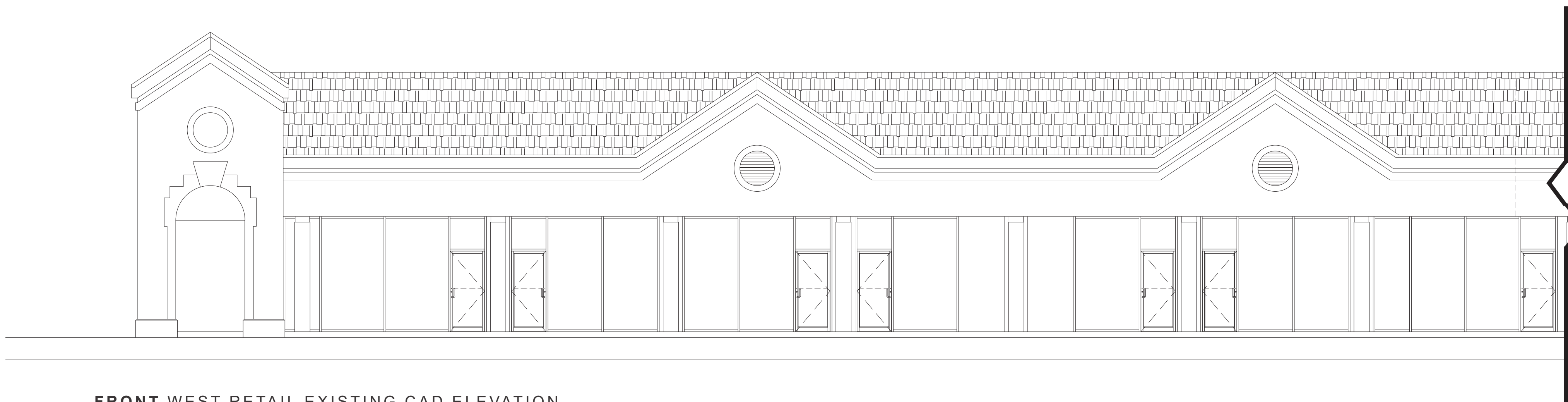




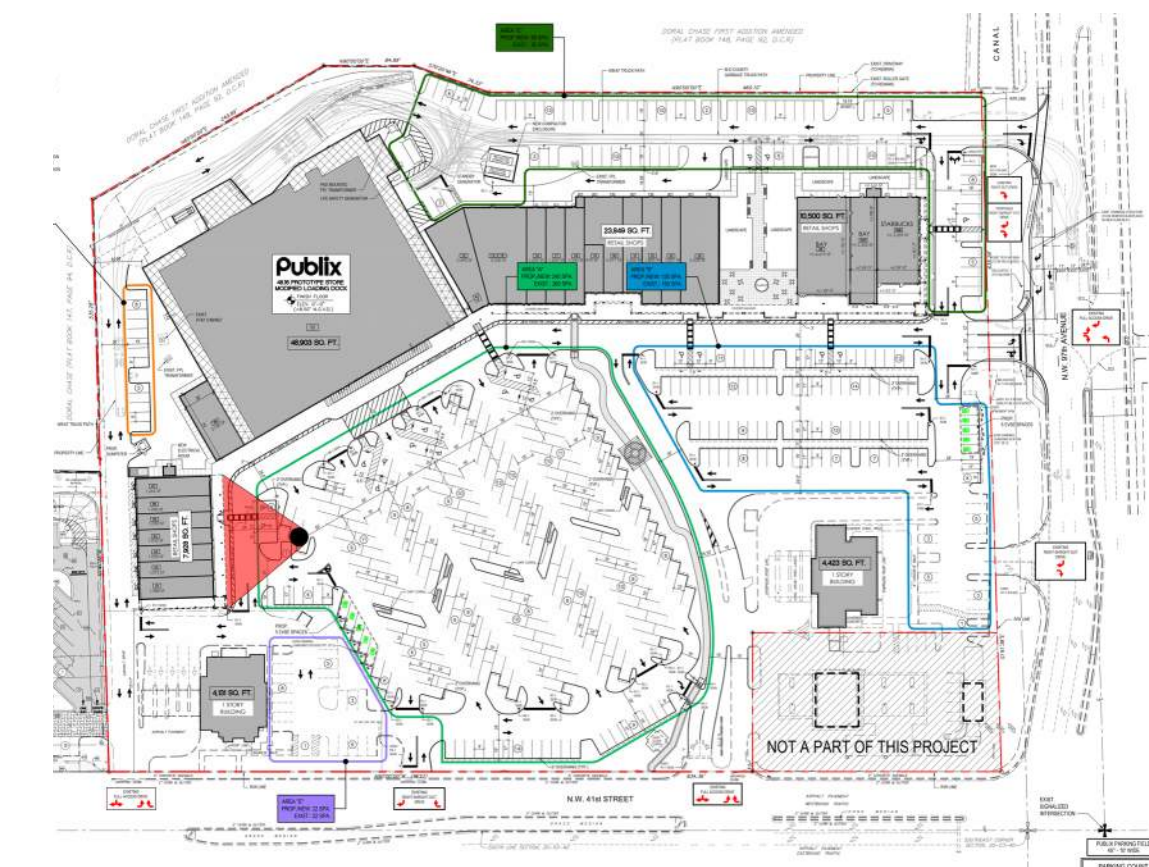
FRONT WEST RETAIL EXISTING ELEVATION



FRONT WEST RETAIL PROPOSED ELEVATION



FRONT WEST RETAIL EXISTING CAD ELEVATION



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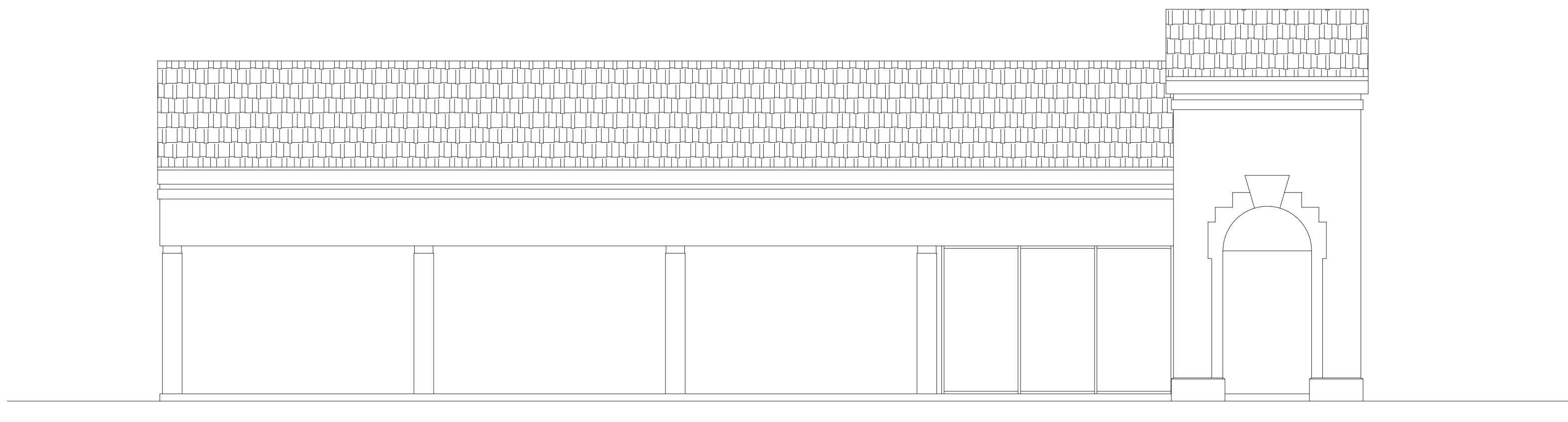
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SIDE WEST RETAIL PROPOSED ELEVATION



NEW CONSTRUCTION SIDE WEST RETAIL PROPOSED ELEVATION



SIDE WEST RETAIL EXISTING CAD ELEVATION



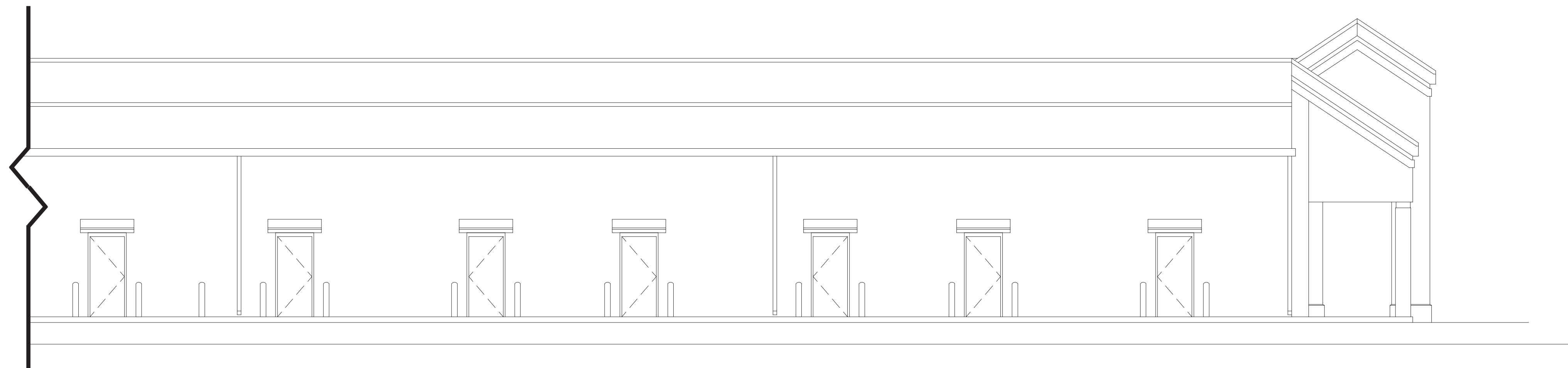
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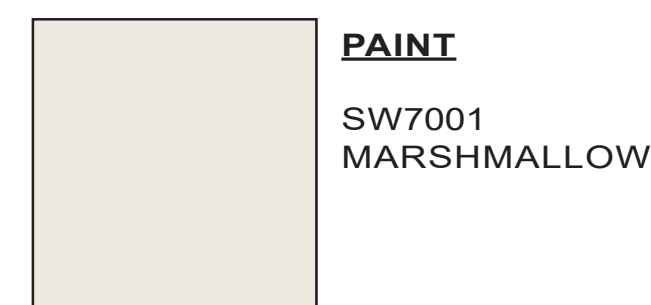
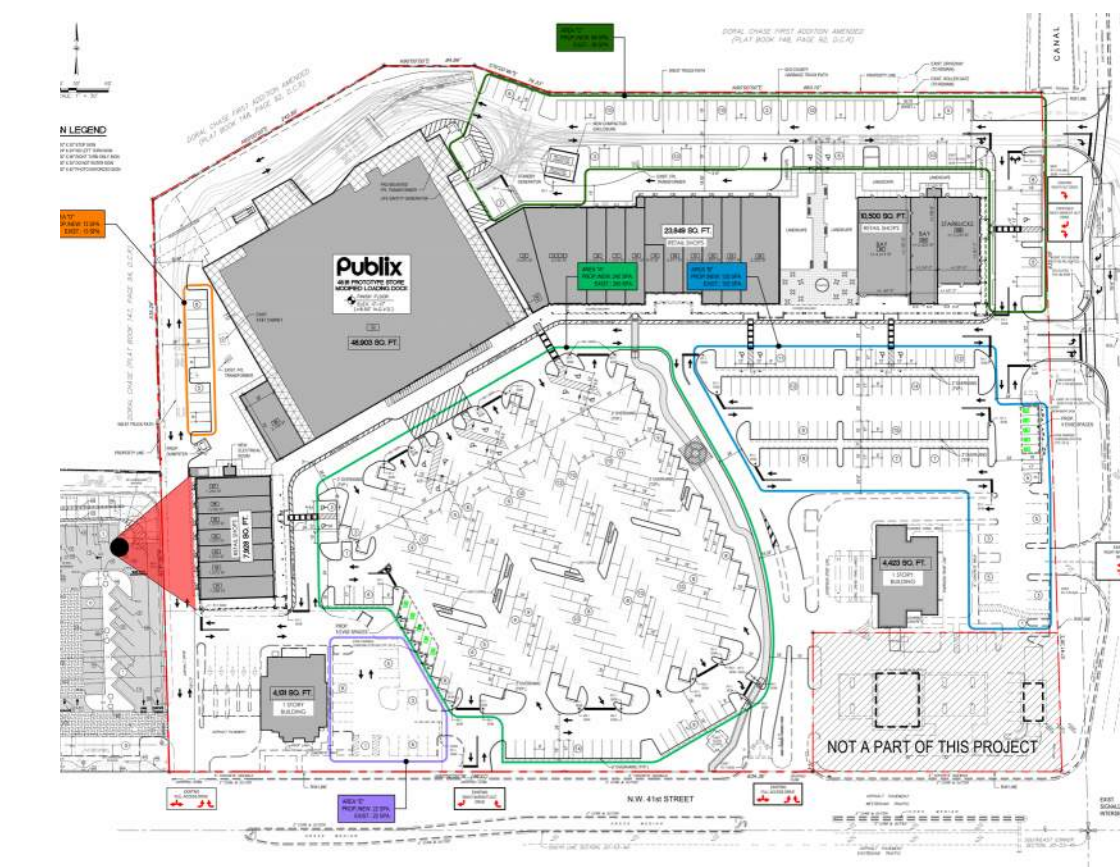
REAR WEST RETAIL EXISTING ELEVATION



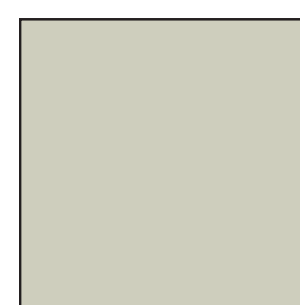
REAR WEST RETAIL PROPOSED ELEVATION



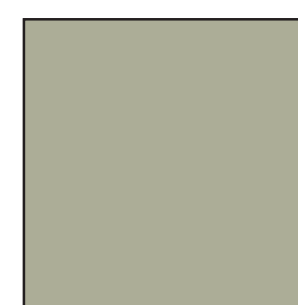
REAR WEST RETAIL EXISTING CAD ELEVATION



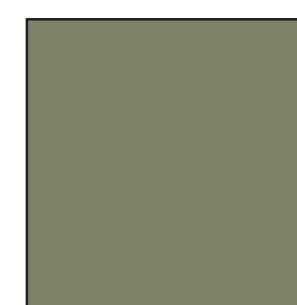
**PAINT**  
SW7001  
MARSHMALLOW



**PAINT**  
SW6176  
LIVEABLE  
GREEN



**PAINT**  
SW6178  
CLARY SAGE



**PAINT**  
SW6179  
ARTICHOKE



**PAINT**  
SW9107  
UBER  
UMBER



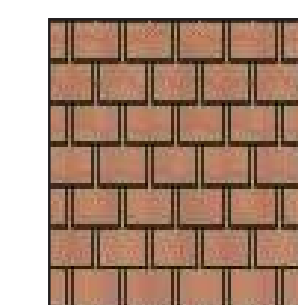
**PAINT**  
SW7069  
IRON ORE



**METAL (PF1)**  
PREFINISHED  
METAL - CLEAR  
ANODIZED



**METAL STORE-FRONT**  
TIGER DRYLAC  
RAL #6014



**CONCRETE TILE ROOF**  
TO MATCH  
EXISTING



**BRICK**  
ACME  
GLACIER  
WHITE



FRONT EAST RETAIL EXISTING ELEVATION



FRONT EAST RETAIL PROPOSED ELEVATION



FRONT EAST RETAIL EXISTING CAD ELEVATION



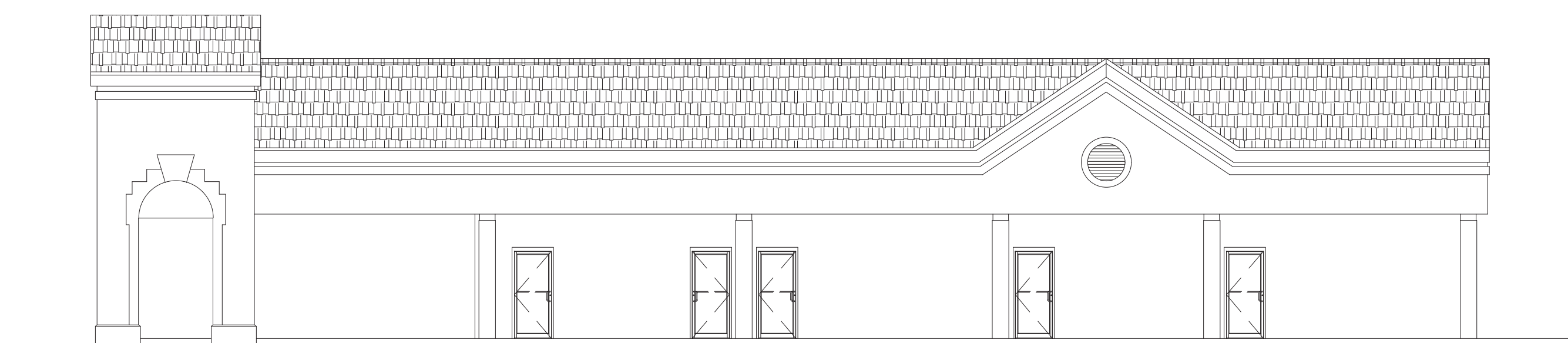
	<b>PAINT</b> SW7001 MARSHMALLOW		<b>PAINT</b> SW6176 LIVEABLE GREEN		<b>PAINT</b> SW6178 CLARY SAGE		<b>PAINT</b> SW6179 ARTICHOKE		<b>PAINT</b> SW9107 UBER UMBER		<b>PAINT</b> SW7069 IRON ORE		<b>METAL (PF1)</b> PREFINISHED METAL - CLEAR ANODIZED		<b>METAL STORE-FRONT</b> TIGER DRYLAC RAL #6014		<b>CONCRETE TILE ROOF</b> TO MATCH EXISTING		<b>BRICK</b> ACME GLACIER WHITE
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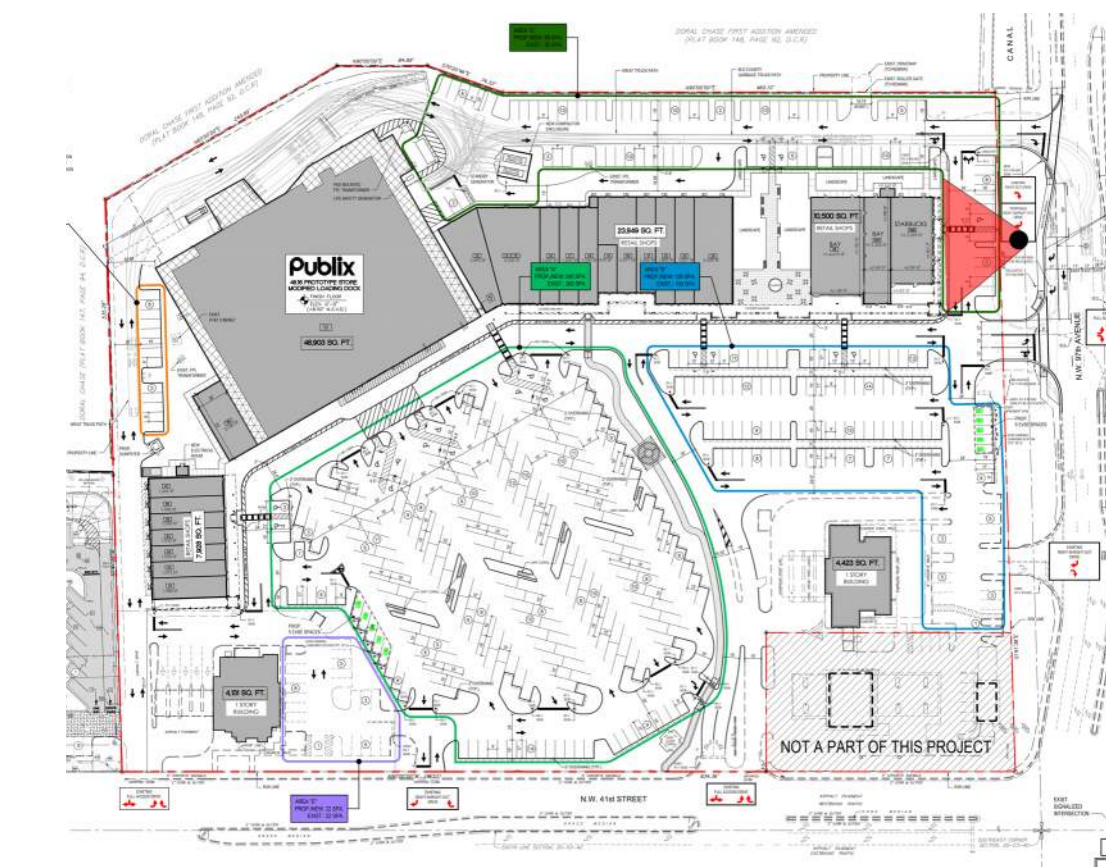
SIDE EAST RETAIL EXISTING ELEVATION



SIDE EAST RETAIL PROPOSED ELEVATION



SIDE EAST RETAIL EXISTING CAD ELEVATION



	<b>PAINT</b> SW7001 MARSHMALLOW		<b>PAINT</b> SW6176 LIVEABLE GREEN		<b>PAINT</b> SW6178 CLARY SAGE		<b>PAINT</b> SW6179 ARTICHOKE		<b>PAINT</b> SW9107 UBER UMBER		<b>PAINT</b> SW7069 IRON ORE		<b>METAL (PF1)</b> PREFINISHED METAL - CLEAR ANODIZED		<b>METAL STORE- FRONT</b> TIGER DRYLAC RAL #6014		<b>CONCRETE TILE ROOF</b> TO MATCH EXISTING		<b>BRICK</b> ACME GLACIER WHITE
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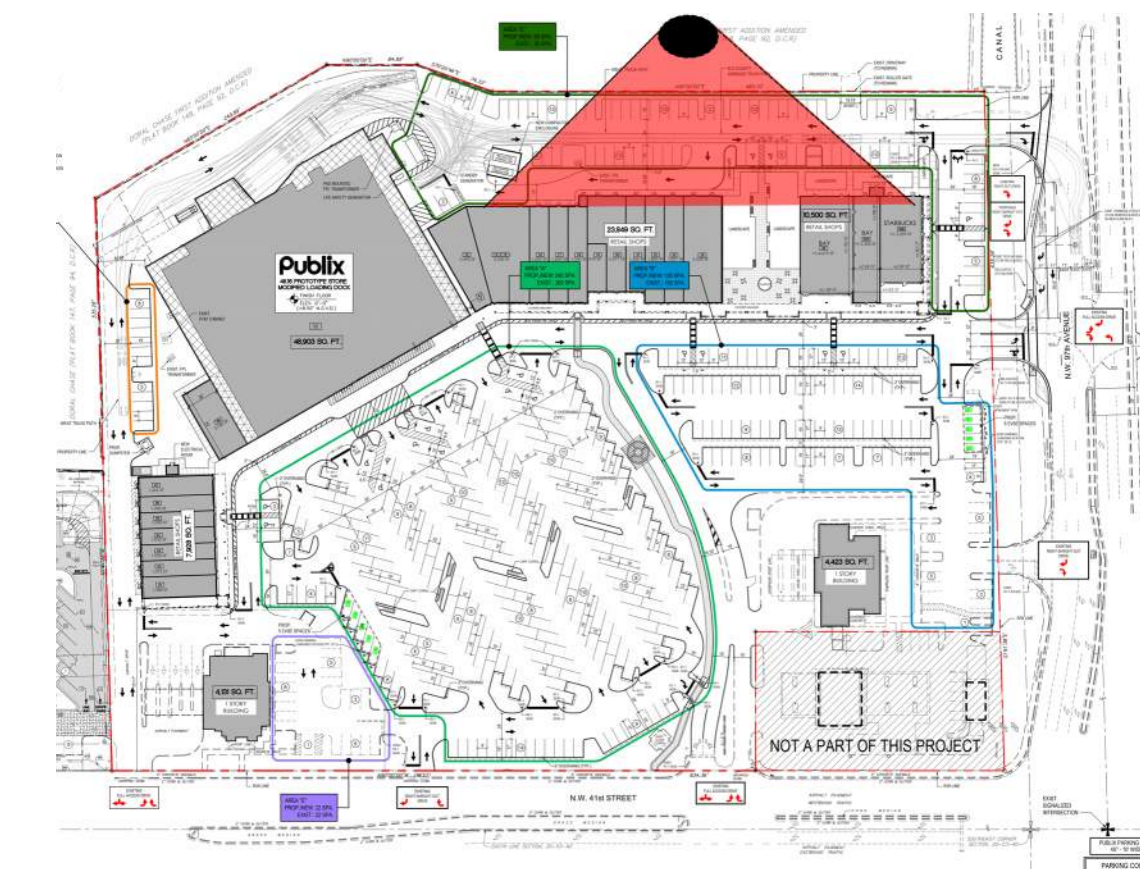
REAR EAST RETAIL EXISTING ELEVATION



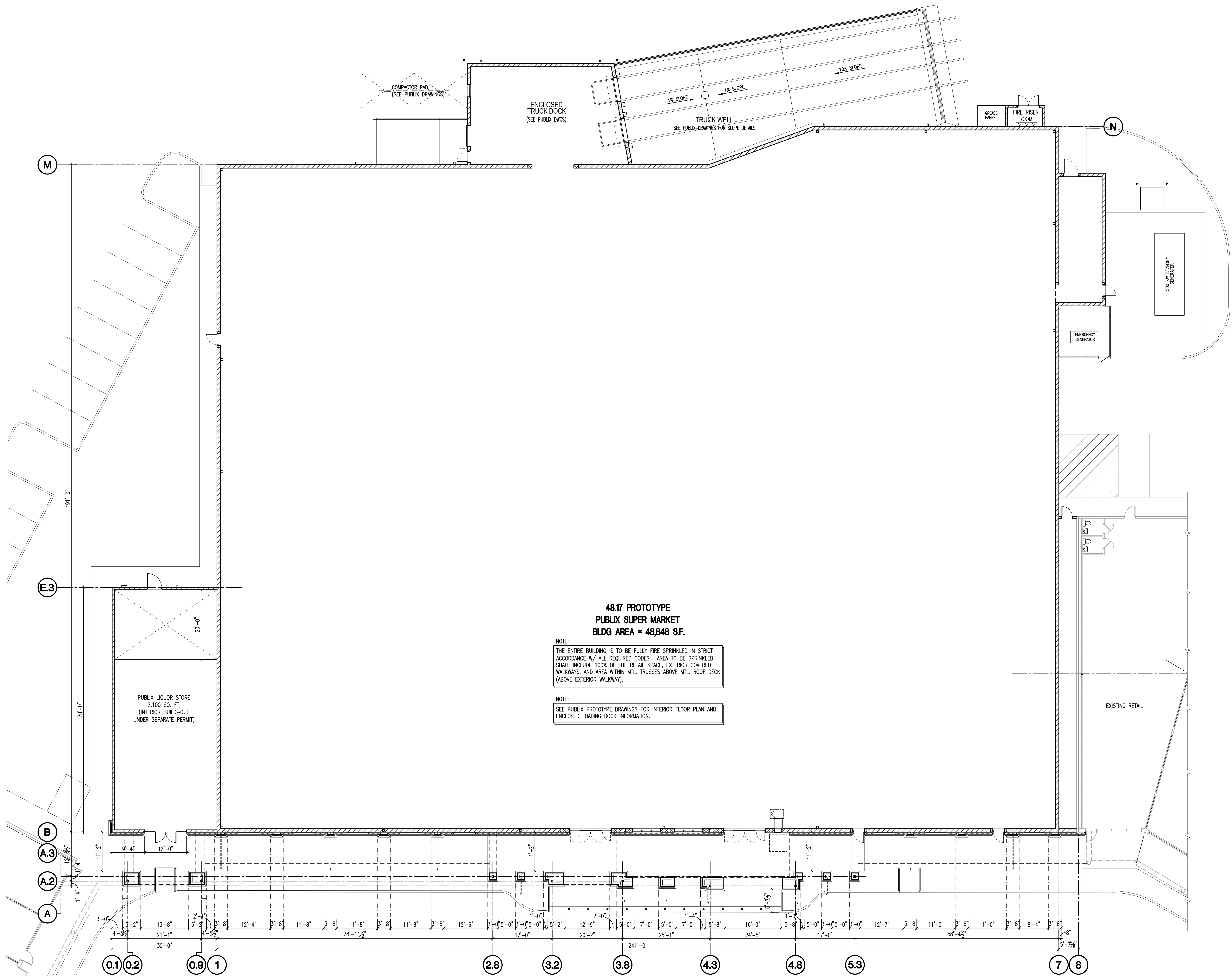
REAR EAST RETAIL PROPOSED ELEVATION



REAR EAST RETAIL EXISTING CAD ELEVATION



	<b>PAINT</b> SW7001 MARSHMALLOW		<b>PAINT</b> SW6176 LIVEABLE GREEN		<b>PAINT</b> SW6178 CLARY SAGE		<b>PAINT</b> SW6179 ARTICHOKE		<b>PAINT</b> SW9107 UBER UMBER		<b>PAINT</b> SW7069 IRON ORE		<b>METAL (PF1)</b> PREFINISHED METAL - CLEAR ANODIZED		<b>METAL STORE- FRONT</b> TIGER DRYLAC RAL #6014		<b>CONCRETE TILE ROOF</b> TO MATCH EXISTING		<b>BRICK</b> ACME GLACIER WHITE
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**48.17 PROTOTYPE  
PUBLIX SUPER MARKET  
BLDG AREA = 48,848 SF.**

NOTE:  
THE ENTIRE BUILDING IS TO BE FULLY FIRE SPRINKLED IN STRICT ACCORDANCE W/ ALL REQUIRED CODES. AREA TO BE SPRINKLED SHALL INCLUDE 100% OF THE RETAIL SPACE, EXTERIOR COVERED WALKWAYS, AND AREA WITHIN MTL. TRUSSES ABOVE MTL. ROOF DECK (ABOVE EXTERIOR WALKWAY).

NOTE:  
SEE PUBLIX PROTOTYPE DRAWINGS FOR INTERIOR FLOOR PLAN AND ENCLOSED LOADING DOCK INFORMATION.

**1 PUBLIX CANOPY FLOOR PLAN**  
24' 0" 6" 12"  
3/32" = 1'-0"

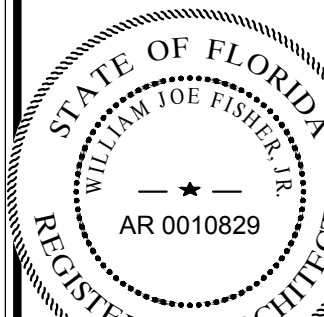
THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN IS THE EXCLUSIVE PROPERTY OF FISHER AND ASSOCIATES, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. NO PART OF THIS DRAWING IS TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF FISHER AND ASSOCIATES, LLC. THIS DRAWING IS RESERVED FOR GENERAL USE IN FLORENCE, AL. THIS DRAWING IS TO BE USED IN ACCORDANCE WITH THE SPECIFICATIONS AND PLANS SHOWN HEREON. FISHER AND ASSOCIATES, LLC DOES NOT WARRANT THE ACCURACY OF THIS DRAWING OR ASSUME LIABILITY FOR ANY ERRORS OR OMISSIONS. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

**FISHER AND ASSOCIATES, LLC.**  
ARCHITECTS  
PLANNERS  
INTERIOR DESIGNERS  
AA3600788  
295 BELLEAIR RD., CLEARWATER, FL 34714 (727) 466-4486

**PUBLIX CANOPY FLOOR PLAN  
SITE SUBMITTAL  
DORAL PARK SHOPPING CENTER  
9755 NW 41ST STREET  
DORAL, FL 33178**

RELEASED FOR:	
BID	-
PERMIT	-
CONSTR.	-

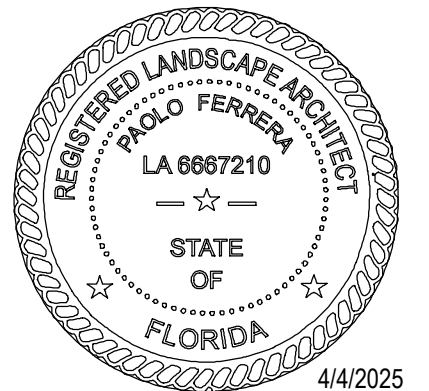
REVISIONS:	



WILLIAM JOE FISHER  
ARCHITECT 0010829

**A2.1**  
Issue Date: 04/02/25  
Project No.: 224017

This item has been electronically signed and sealed by William Joe Fisher, Jr., using a Digital Signature and date. 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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THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PAOLO FERRERA, P.L.A. 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.

FOR THE FIRM: PAOLO FERRERA  
LA 6667210

PROJECT TITLE:

PUBLIX AT DORAL PLAZA  
STORE No. 0031

9755 N.W. 41st STREET  
CITY OF DORAL, FLORIDA 33178

Folio No. 35-3020-012-0020

EQUITY DEVELOPMENT GROUP, LLC  
6420 CONGRESS AVENUE, SUITE 1800  
BOCA RATON, FLORIDA 33487

ISSUE:  
NO. DATE REVISIONS BY

SITE PLAN SUBMITTAL - NOT FOR CONSTRUCTION

## SUMMARY OF WORK

- EXISTING IRRIGATION WELL PUMP SYSTEM AND CONNECTED IRRIGATION HYDROZONES/STATIONS ARE TO BE MODIFIED; CONTRACTOR SHALL MODIFY EXISTING IRRIGATION SYSTEM TO ACCOMMODATE ALL PROPOSED LANDSCAPE. ALL EXISTING LANDSCAPE TO REMAIN, AND ANY OTHER SITE IMPROVEMENTS AS REQUIRED TO PROVIDE 100% COVERAGE FOR ALL LANDSCAPE AREAS WITHIN PROJECT SITE, INCLUDING ALL LANDSCAPE AREAS BORDERING PUBX AND ADJACENT RETAIL SPACES. EXTENT OF EXISTING IRRIGATION SYSTEM TO BE MODIFIED SHALL BE VERIFIED IN FIELD. REFER TO TREE DISPOSITION, PLANTING AND CIVIL PLANS.
- CONTRACTOR SHALL PROVIDE NEW IRRIGATION LINES, SPRAY HEADS, VALVES AND OTHER EQUIPMENT AS SHOWN ON PLAN, AND CONNECT THESE TO THE EXISTING OR NEW IRRIGATION WELL PUMP SYSTEM SERVING PUBX AND ALL ADJACENT RETAIL SPACES (FIELD VERIFY). EXISTING IRRIGATION EQUIPMENT LOCATED IN LANDSCAPE AREAS TO REMAIN WITHIN PROJECT WORK AREA SHALL BE TESTED/ADJUSTED/MODIFIED/REPLACED IN FIELD AS NEEDED TO PROVIDE 100% COVERAGE. PLAN ONLY INDICATES APPROXIMATE LOCATIONS FOR NEW IRRIGATION LINES, SPRAY HEADS, VALVES AND RELATED EQUIPMENT.
- MODIFICATIONS TO THE EXISTING SYSTEM INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
  - CONTRACTOR SHALL INSPECT EXISTING WELL PUMP SYSTEM FOR OPERABILITY AND PROBABLE LIFE EXPECTANCY, AND SHALL PROVIDE NEW WELL PUMP SYSTEM MANUFACTURED BY HOOVER PUMPING OR APPROVED EQUAL IF EXISTING EQUIPMENT IS FOUND TO BE UNSATISFACTORY OR UNUSABLE. CONTRACTOR SHALL SECURE ALL IRRIGATION WELL PERMITS AS APPLICABLE PRIOR TO BEGINNING OF CONSTRUCTION.
  - INSTALLATION OF NEW UNDERGROUND IRRIGATION LINES, AUTOMATIC VALVES, MANUAL VALVES, VALVE BOXES, SPLICES, ELECTRICAL WIRING IN CONDUITS, AUTOMATIC CONTROLLER, RAIN SENSOR, AND OTHER MISCELLANEOUS EQUIPMENT AS MAY BE NEEDED FOR COMPLETE IRRIGATION SYSTEM.
  - INSPECTION, TESTING AND REPAIRS FOR ALL EXISTING IRRIGATION EQUIPMENT AS MAY BE NEEDED TO PROVIDE 100% COVERAGE FOR ALL LANDSCAPE AREAS WITHIN PROJECT SITE.
  - COORDINATION AND CONNECTION FOR ALL NEW, EXISTING AND MODIFIED IRRIGATION ZONES TO AUTOMATIC CONTROLLER AND WELL PUMP SYSTEM.
- CONTRACTOR SHALL FIELD LOCATE AND RECORD EXACT POSITIONS OF NEW AND EXISTING IRRIGATION MAIN LINES, STATION VALVES, LATERAL CONNECTIONS, ELECTRICAL CONDUITS, WELL PUMP SYSTEM, AUTOMATIC CONTROLLER, RAIN SENSOR AND ALL OTHER MISCELLANEOUS EQUIPMENT INSTALLED AS PART OF THE OVERALL IRRIGATION SYSTEM. CONTRACTOR SHALL PROVIDE COMPLETE AS-BUILT PLANS INDICATING SAID EQUIPMENT LOCATIONS/ CONNECTIONS PRIOR TO PROJECT CLOSE-OUT.

## ROYAL PALM IRRIGATION NOTES

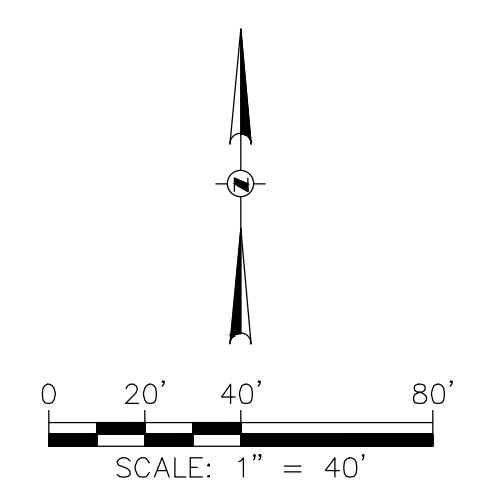
- CONTRACTOR SHALL PROVIDE A NEW/SEPARATE BUBBLER HYDROZONE FOR PROPOSED/RELOCATED ROYAL PALMS IN PARKING ISLANDS.
- NEW BUBBLER HYDROZONE SHALL BE CONNECTED TO EXISTING IRRIGATION MAIN LINE WITH NEW/SEPARATE AUTOMATIC VALVE. DO NOT COMBINE SPRINKLERS AND BUBBLERS TO SAME AUTOMATIC VALVE.
- CONTRACTOR SHALL PROVIDE (3) BUBBLERS EQUALLY SPACED AROUND BASE OF ALL PROPOSED/RELOCATED ROYAL PALMS. ALL BUBBLERS SHALL BE GROUPED INTO A COMMON HYDROZONE.

## STATION NOTES

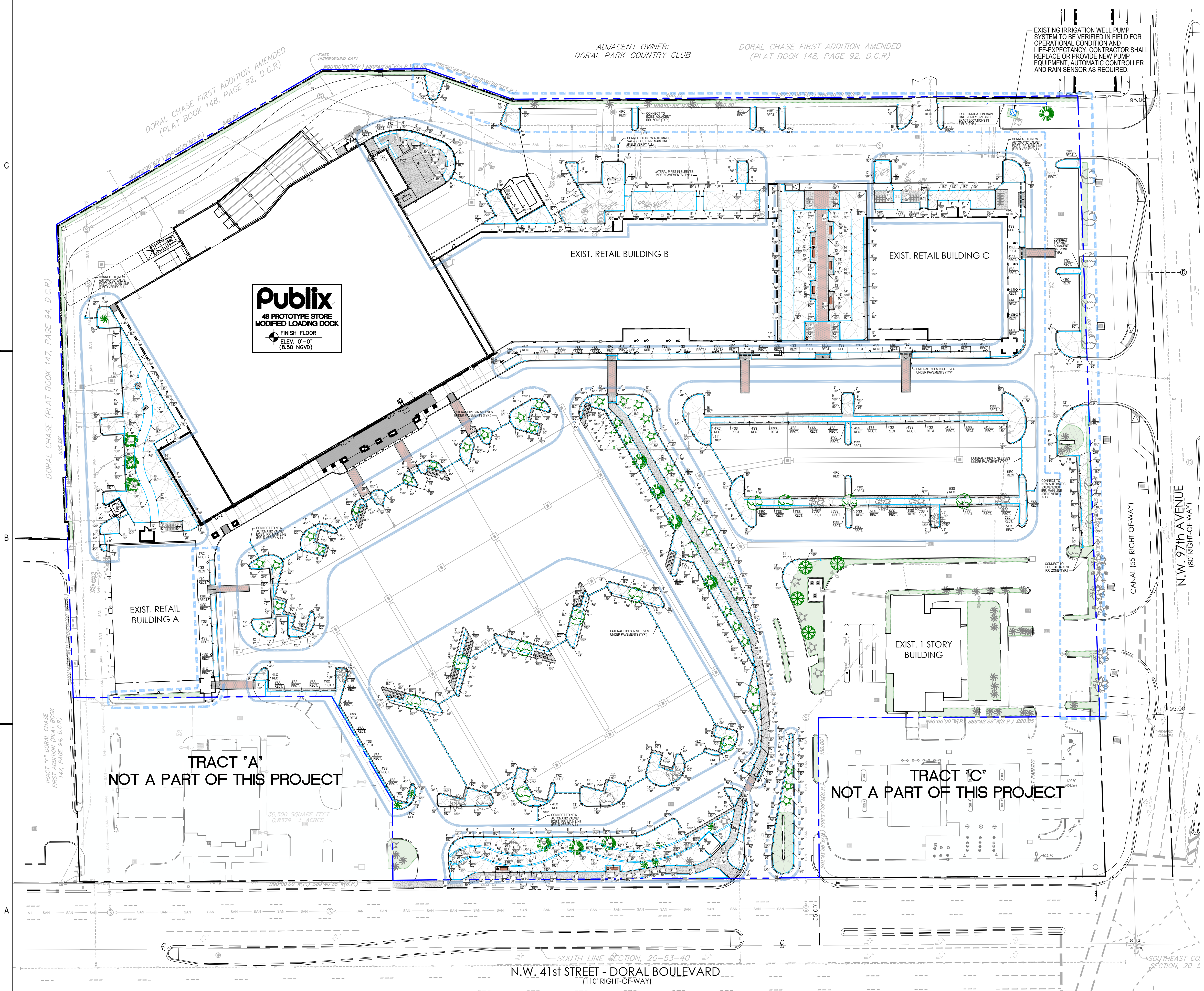
- ZONE DESIGNATIONS ARE APPROXIMATE ONLY, AND ARE SUBJECT TO MODIFICATIONS AS NEEDED PENDING FIELD CONDITIONS INCLUDING SYSTEM PRESSURE TESTING AND LOCATION OF MAIN LINES. CONTRACTOR SHALL VERIFY ALL IRRIGATION SYSTEM COMPONENTS IN FIELD.
- CONTRACTOR SHALL MODIFY ALL ZONE GROUPINGS IN FIELD AS NEEDED TO PROVIDE MINIMUM 30 PSI AT FARTHEST SPRINKLER HEAD FOR EACH ZONE.
- CONTRACTOR SHALL RECORD ALL FIELD MODIFICATIONS AND PROVIDE FINAL AS-BUILT PLANS TO OWNER PRIOR TO PROJECT CLOSE-OUT.

## SYMBOL LEGEND

SYMBOL	DESCRIPTION
	PROTECTED/RELOCATED TREE/PALM IRRIGATION TRENCHES SHALL BE ROUTED AWAY FROM TREES TO AN AREA OUTSIDE THE DRIP LINE TO THE MAXIMUM EXTENT POSSIBLE. ROOT SYSTEMS SHALL BE PROTECTED AS PER APPLICABLE REQUIREMENTS.
	SPRINKLER AND WATER PATTERN REFER TO SPRINKLER SCHEDULE.
	IRRIGATION LATERAL PIPING IRRIGATION MAIN PIPING IRRIGATION LATERAL PIPING IN SLEEVE IRRIGATION MAIN PIPING IN SLEEVE
	AUTOMATIC ELECTRIC VALVE(S) IN VALVE BOX REFER TO STATION AND EQUIPMENT SCHEDULES.
	INDICATES APPROXIMATE EXTENT OF EXISTING IRRIGATION TO BE MODIFIED AS REQUIRED FOR PROPOSED IMPROVEMENTS
	INDICATES APPROXIMATE EXTENT OF NEW IRRIGATION STATION/HYDRO-ZONE (TO BE VERIFIED IN FIELD)



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



**IRRIGATION PLAN**  
SCALE: 1" = 40'

X:\MIA\2019\0197049\Design\Latest Drawings (02-25-25)\L-3 IRRIGATION 4/4/2025 5:17 PM

SHEET TITLE:  
IRRIGATION PLAN

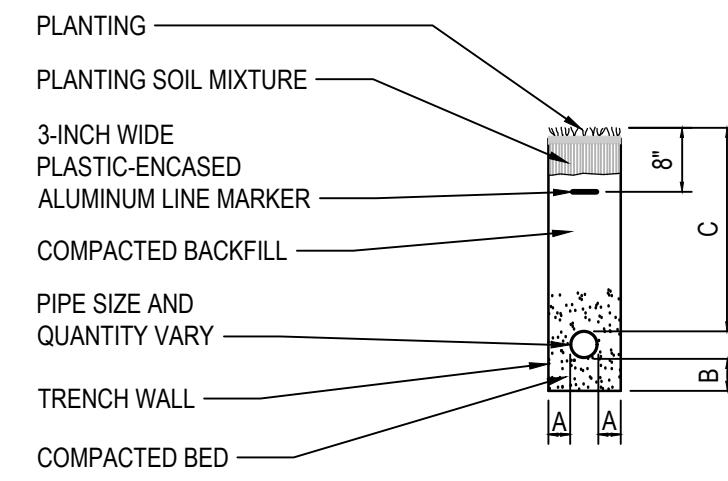
SHEET NUMBER:

# L-3.0

### IRRIGATION NOTES

- ALL IRRIGATION EQUIPMENT SHALL BE INSTALLED IN COMPLIANCE WITH LOCAL, COUNTY, AND STATE CODES AND REQUIREMENTS INCLUDING SOUTH FLORIDA WATER MANAGEMENT DISTRICT AND MIAMI-DADE COUNTY.
- IRRIGATION PLANS ARE DIAGRAMMATIC ONLY. ALL MAIN LINES, LATERAL LINES, AND WIRING SHALL BE INSTALLED IN THE SAME TRENCH AND INSIDE PLANTING AREAS WHENEVER POSSIBLE. ALL IRRIGATION EQUIPMENT INSTALLATIONS MUST BE COORDINATED IN FIELD WITH PLANTING, ELECTRICAL, AND CIVIL WORK. CONTRACTOR SHALL IMMEDIATELY NOTIFY LANDSCAPE ARCHITECT OF CONFLICTS WITH PROPOSED IRRIGATION EQUIPMENT LOCATIONS.
- CONTRACTOR SHALL PROVIDE FULLY FUNCTIONAL IRRIGATION SYSTEM WITH 100% COVERAGE FOR ALL LANDSCAPE AREAS WITHIN PROJECT SITE. ALL NEW AND PROPOSED IRRIGATION EQUIPMENT SHALL BE CONNECTED TO, AND COORDINATED WITH ALL EXISTING IRRIGATION EQUIPMENT LOCATED IN LANDSCAPE AREAS INDICATED TO REMAIN. ALL EXISTING IRRIGATION EQUIPMENT SHALL BE FIELD TESTED, REPAIRED/REPLACED AND/OR MODIFIED AS NEEDED TO PROVIDE 100% COVERAGE FOR ALL RELATED LANDSCAPE AREAS.
- THE CONTRACTOR SHALL BE DEEMED TO HAVE VISITED THE SITE PRIOR TO BIDDING AND SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD. DISCREPANCIES FOUND WHICH MAY ALTER THE WORK SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT IN WRITING FOR APPROVAL OR MODIFICATION. ALL EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO SUBSURFACE CONDITIONS, EXTENT OF TRASH, DEBRIS AND CONTAMINATION, LOCATION OF UNDERGROUND AND ABOVEGROUND UTILITIES, VEGETATION, AND PAVEMENTS SHOWN ON THE DRAWINGS MUST BE FIELD VERIFIED BY THE CONTRACTOR BEFORE SUBMITTAL OF BID.
- PIPING WITH NO SIZE INDICATION IS 3/4-INCH MINIMUM SIZE. PIPE SIZES FOR SIMILAR SIZED PIPE SEGMENTS MAY BE SHOWN ONLY AT BEGINNING AND END OF SEGMENT FOR CLARITY. PIPE SIZES SHALL BE MODIFIED IN FIELD AS NECESSARY TO ENSURE 30 PSI MINIMUM PRESSURE IS AVAILABLE AT FARTHEST HEAD FOR EACH STATION.
- LOCATE PART-CIRCLE SPRINKLER HEADS TO MAINTAIN A MINIMUM OF 6-INCHES FROM CURBING AND PAVEMENT, AND 12-INCHES FROM STRUCTURES. ADJUST SPRINKLER HEADS AS NEEDED TO ENSURE NO OVERSPRAY ONTO WALKWAYS, STRUCTURES, CURBING, OR PAVEMENT.
- USE PIPE SLEEVES AT LEAST TWO PIPE SIZES LARGER THAN THE CARRIER PIPE OR TWICE THE DIAMETER OF THE WIRE BUNDLE TO BE PLACED UNDER ALL PAVING/STEPS.
- CONNECT NEW STATION VALVES TO PROPOSED AUTOMATIC CONTROLLER. MULTIPLE STATION VALVES MAY BE HOUSED WITHIN SINGLE VALVE BOX AS APPROVED BY LANDSCAPE ARCHITECT DURING SHOP DRAWING SUBMITTAL. REFER TO EQUIPMENT SCHEDULE.
- INSTALL STATIONS AS INDICATED ON PLANS. SOD AREAS SHALL BE GROUPED INTO SEPARATE HYDRO-ZONES/STATIONS. DO NOT COMBINE SOD AND SHRUBS/GROUND COVERS ON SAME HYDRO-ZONE/STATION.
- INSTALLER SHALL PROVIDE OWNER WITH THE FOLLOWING POST-CONSTRUCTION DOCUMENTATION:
  - AS-BUILT DRAWINGS
  - RECOMMENDED MAINTENANCE ACTIVITIES AND SCHEDULES
  - OPERATIONAL SCHEDULE
  - DESIGN PRECIPITATION RATES
  - INSTRUCTIONS ON ADJUSTING THE SYSTEM TO APPLY LESS WATER AFTER THE LANDSCAPE IS ESTABLISHED
  - MAINTENANCE SCHEDULE
  - WATER SOURCE
  - WATER SHUT-OFF METHOD
  - MANUFACTURER'S OPERATIONAL GUIDE FOR IRRIGATION CONTROLLER
- REFER TO IRRIGATION SPECIFICATIONS FOR ADDITIONAL CONTRACT REQUIREMENTS.

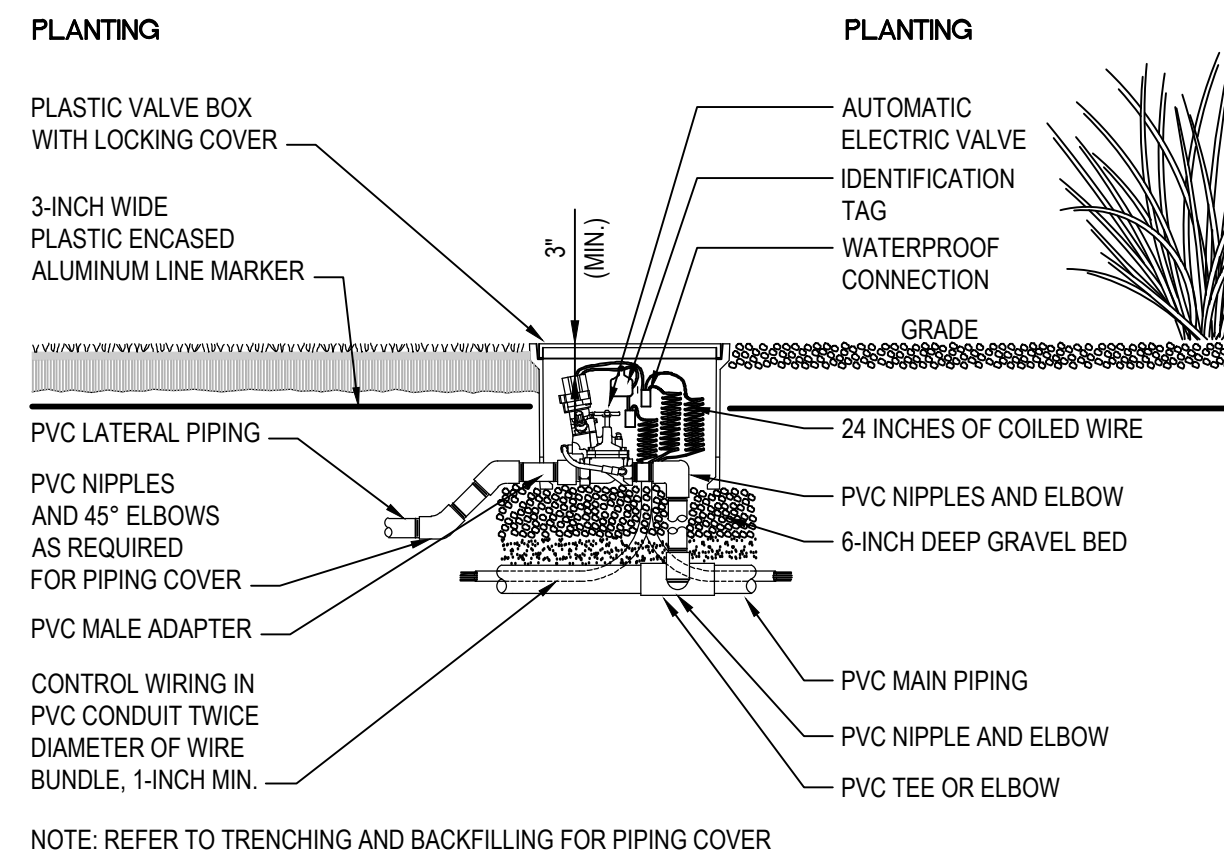
PIPE SIZE	VEHICULAR AREA			PEDESTRIAN AREA		
	A	B	C	A	B	C
1/2"-2"	2"	3"	24"	2"	3"	18"
2 1/2"-4"	3"	4"	30"	3"	4"	24"
5"-6"	4"	5"	36"	4"	5"	30"



NOTE: ALL PIPES SHALL PASS PRESSURE TEST PRIOR TO BACKFILLING.

### TRENCHING AND BACKFILLING

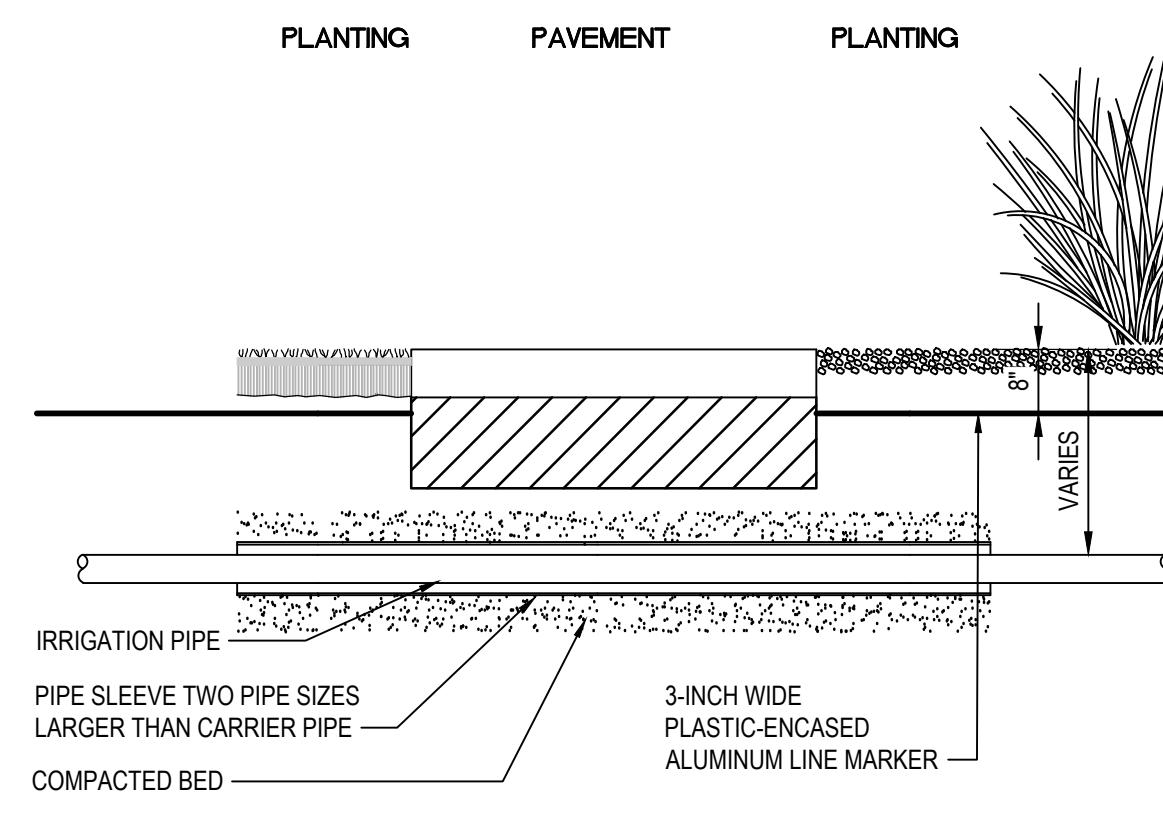
N.T.S.



NOTE: REFER TO TRENCHING AND BACKFILLING FOR PIPING COVER

### AUTOMATIC VALVE DETAIL

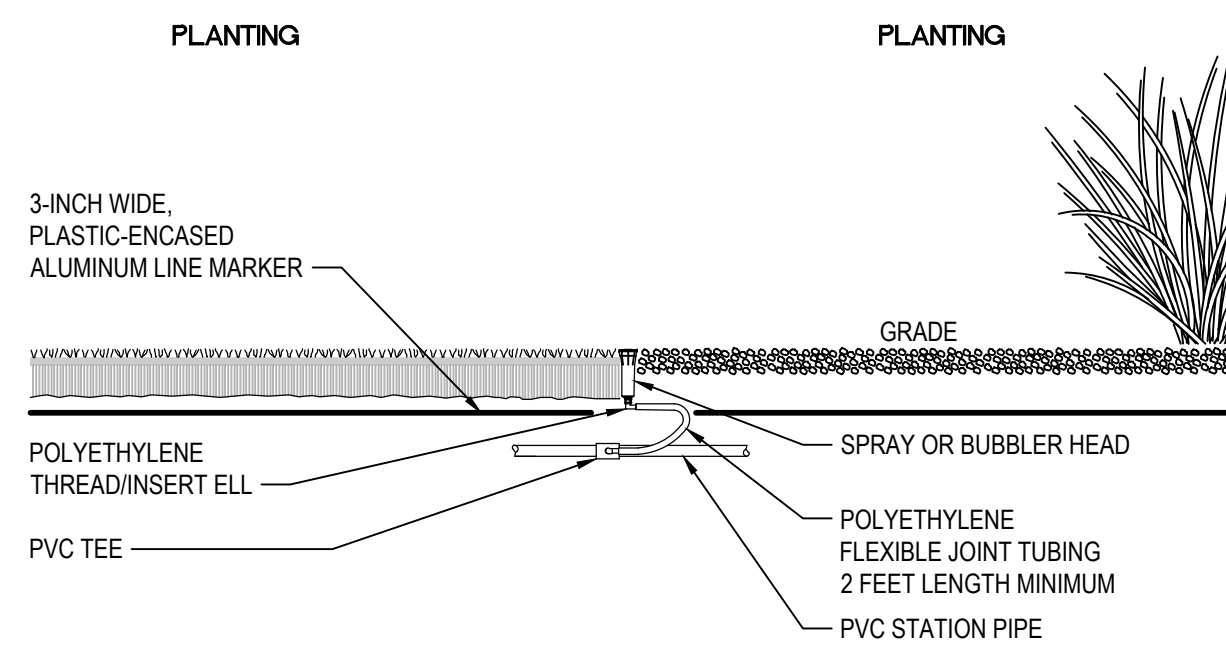
N.T.S.



NOTE: REFER TO TRENCHING AND BACKFILLING FOR PIPING COVER

### PIPE SLEEVING DETAIL

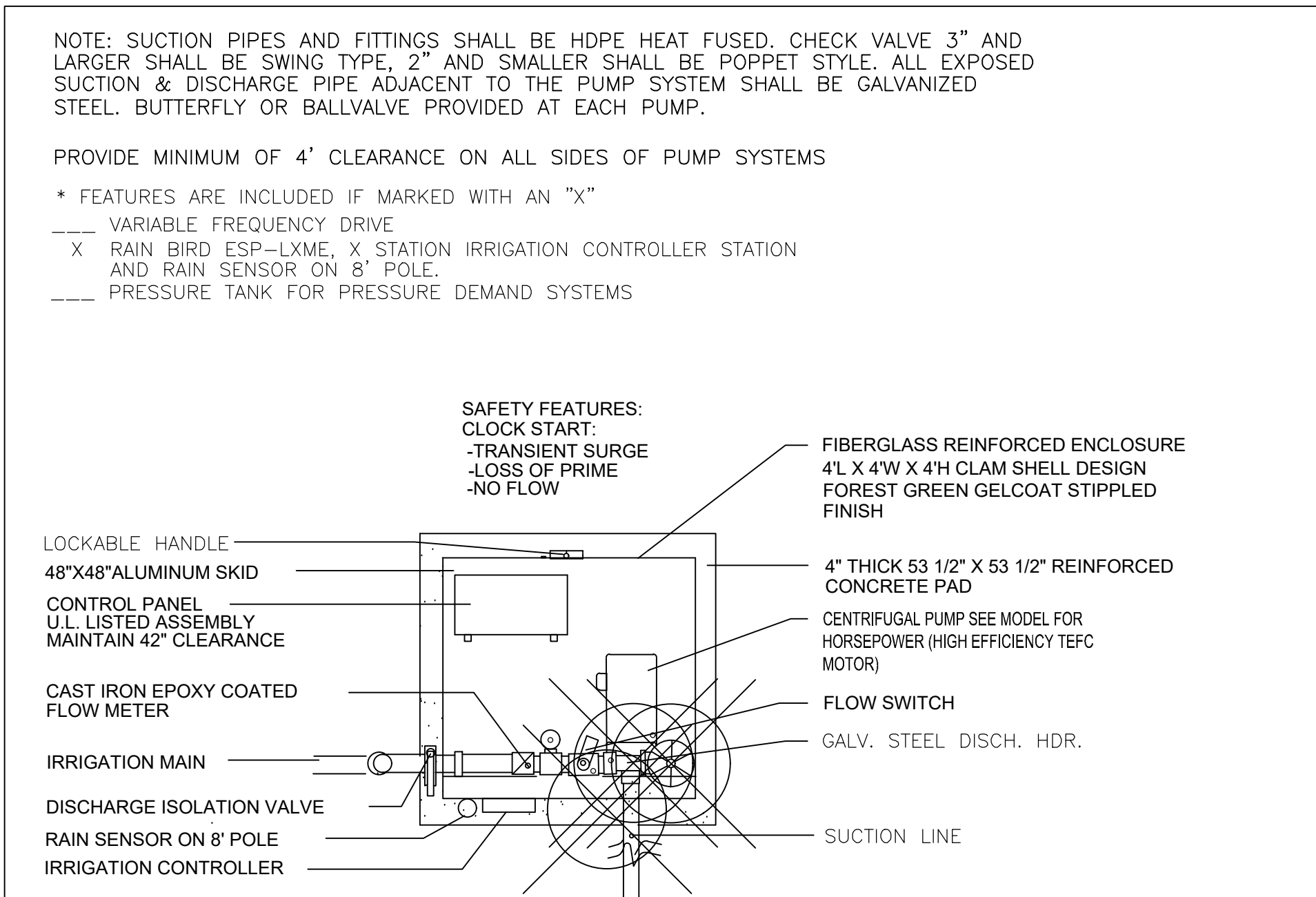
N.T.S.



NOTE: REFER TO TRENCHING AND BACKFILLING FOR PIPING COVER

### SPRINKLER HEAD DETAIL

N.T.S.



### IRRIGATION PUMP SYSTEM DETAIL

N.T.S.

### EQUIPMENT SCHEDULE

EQUIPMENT	MANUFACTURER	MODEL	SIZE
AUTOMATIC CONTROLLER	RAIN BIRD	ESP-LXME	PROVIDE MODULES AS REQUIRED
RAIN SENSOR	RAIN BIRD		
GATE VALVE	NIBCO	T-113	3 INCH
AUTOMATIC ELECTRIC VALVE	RAIN BIRD	PEB-PRS-D PESB-PRS-D	1 - 2 INCH 3 INCH
STATION VALVE BOX & COVER SPLICE BOX & COVER	MACLEAN HIGHLINE MACLEAN HIGHLINE	170106 W/SNAP LOCK 181122 W/LOCKING SCREW	12 INCH STANDARD 10 INCH ROUND

### PIPING SCHEDULE

PIPING	MATERIAL	PIPE	FITTINGS	JOINT
IRRIGATION MAIN	POLYVINYL CHLORIDE (PVC) PLASTIC PIPE & FITTINGS	ASTM D 1785 SCHEDULE 40	ASTM D 2466 SCH 40, SOCKET	ASTM D 2564 SOLVENT CEMENT
IRRIGATION STATION	POLYVINYL CHLORIDE (PVC) PLASTIC PIPE & FITTINGS	ASTM D 1785 SCHEDULE 40	ASTM D 2466 SCH 40, SOCKET	ASTM D 2564 SOLVENT CEMENT
IRRIGATION SLEEVE	POLYVINYL CHLORIDE (PVC) PLASTIC PIPE & FITTINGS	ASTM D 1785 SCHEDULE 40	ASTM D 2466 SCH 40, SOCKET	ASTM D 2564 SOLVENT CEMENT
SPRINKLER HEAD FLEXIBLE JOINT	POLYETHYLENE PLASTIC TUBING & FITTINGS	ASTM D 2377	THREAD / BARB	SCREWED / INSERTED

### SPRINKLER SCHEDULE

RADIUS	PATTERN	MFR	BODY	NOZZLE	PSI	GPM
6-8"	45°	RAIN BIRD	1804-SAM-PRS	1401	30	0.25
2'	90°	RAIN BIRD	1804-SAM-PRS	SQ-QTR	30	0.12
2'	180°	RAIN BIRD	1804-SAM-PRS	SQ-HLF	30	0.20
3'-4'	45°	RAIN BIRD	1804-SAM-PRS	4-VAN	30	0.13
3'-4'	90°	RAIN BIRD	1804-SAM-PRS	4-VAN	30	0.29
3'-4'	120°	RAIN BIRD	1804-SAM-PRS	4-VAN	30	0.34
3'-4'	180°	RAIN BIRD	1804-SAM-PRS	4-VAN	30	0.45
3'-4'	240°	RAIN BIRD	1804-SAM-PRS	4-VAN	30	0.68
3'-4'	270°	RAIN BIRD	1804-SAM-PRS	4-VAN	30	0.73
3'-4'	330°	RAIN BIRD	1804-SAM-PRS	4-VAN	30	0.88
4.5'-6"	45°	RAIN BIRD	1804-SAM-PRS	6-VAN	30	0.18
4.5'-6"	90°	RAIN BIRD	1804-SAM-PRS	6-VAN	30	0.37
4.5'-6"	120°	RAIN BIRD	1804-SAM-PRS	6-VAN	30	0.44
4.5'-6"	180°	RAIN BIRD	1804-SAM-PRS	6-VAN	30	0.60
4.5'-6"	240°	RAIN BIRD	1804-SAM-PRS	6-VAN	30	0.88
4.5'-6"	270°	RAIN BIRD	1804-SAM-PRS	6-VAN	30	1.10
4.5'-6"	330°	RAIN BIRD	1804-SAM-PRS	6-VAN	30	1.20
6'-8"	45°	RAIN BIRD	1804-SAM-PRS	8-VAN	30	0.36
6'-8"	90°	RAIN BIRD	1804-SAM-PRS	8-VAN	30	0.72
6'-8"	120°	RAIN BIRD	1804-SAM-PRS	8-VAN	30	0.95
6'-8"	180°	RAIN BIRD	1804-SAM-PRS	8-VAN	30	1.19
6'-8"	240°	RAIN BIRD	1804-SAM-PRS	8-VAN	30	1.37
6'-8"	270°	RAIN BIRD	1804-SAM-PRS	8-VAN	30	1.55
6'-8"	330°	RAIN BIRD	1804-SAM-PRS	8-VAN	30	1.70
7.5'-10"	45°	RAIN BIRD	1804-SAM-PRS	10-VAN	30	0.36
7.5'-10"	90°	RAIN BIRD	1804-SAM-PRS	10-VAN	30	0.72
7.5'-10"	120°	RAIN BIRD	1804-SAM-PRS	10-VAN	30	1.08
7.5'-10"	180°	RAIN BIRD	1804-SAM-PRS	10-VAN	30	1.45
7.5'-10"	240°	RAIN BIRD	1804-SAM-PRS	10-VAN	30	1.77
7.5'-10"	270°	RAIN BIRD	1804-SAM-PRS	10-VAN	30	2.10
7.5'-10"	330°	RAIN BIRD	1804-SAM-PRS	10-VAN	30	2.60
9'-12"	45°	RAIN BIRD	1804-SAM-PRS	12-VAN	30	0.32
9'-12"	90°	RAIN BIRD	1804-SAM-PRS	12-VAN	30	0.69
9'-12"	120°	RAIN BIRD	1804-SAM-PRS	12-VAN	30	0.84
9'-12"	180°	RAIN BIRD	1804-SAM-PRS	12-VAN	30	1.18
9'-12"	240°	RAIN BIRD	1804-SAM-PRS	12-VAN	30	1.68
9'-12"	270°	RAIN BIRD	1804-SAM-PRS	12-VAN	30	1.77
9'-12"	330°	RAIN BIRD	1804-SAM-PRS	12-VAN	30	2.36
11.3'-15"	45°	RAIN BIRD	1804-SAM-PRS	15-VAN	30	0.47
11.3'-15"	90°	RAIN BIRD	1804-SAM-PRS	15-VAN	30	0.92
11.3'-15"	120°	RAIN BIRD	1804-SAM-PRS	15-VAN	30	1.24
11.3'-15"	180°	RAIN BIRD	1804-SAM-PRS	15-VAN	30	1.85
11.3'-15"	240°	RAIN BIRD	1804-SAM-PRS	15-VAN	30	2.48
11.3'-15"	270°	RAIN BIRD	1804-SAM-PRS	15-VAN	30	2.78
11.3'-15"	330°	RAIN BIRD	1804-SAM-PRS	15-VAN	30	3.70
13.5'-18"	45°	RAIN BIRD	1804-SAM-PRS	18-VAN	30	0.60
13.5'-18"	90°	RAIN BIRD	1804-SAM-PRS	18-VAN	30	1.33
13.5'-18"	120°	RAIN BIRD	1804-SAM-PRS	18-VAN	30	1.99
13.5'-18"	180°	RAIN BIRD	1804-SAM-PRS	18-VAN	30	2.66
13.5'-18"	240°	RAIN BIRD	1804-SAM-PRS	18-VAN	30	3.32
13.5'-18"	270°	RAIN BIRD	1804-SAM-PRS	18-VAN	30	3.99
13.5'-18"	330°	RAIN BIRD	1804-SAM-PRS	18-VAN	30	5.32
5' x 15'	RECTANGLE	RAIN BIRD	1804-SAM-PRS	18CS MPR	30	0.49
5' x 15'	RECTANGLE	RAIN BIRD	1804-SAM-PRS	18RCS MPR	30	0.49
5' x 30'	RECTANGLE	RAIN BIRD	1804-SAM-PRS	18SSST MPR	30	1.21

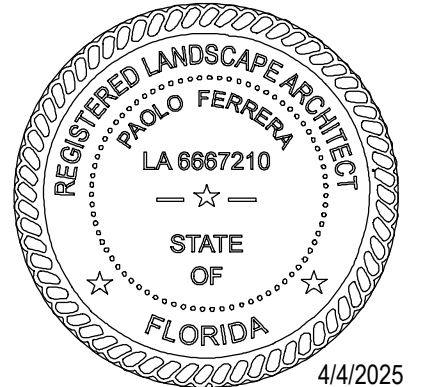


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LA 6667210

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ISSUE:  
NO. DATE REVISIONS BY

PROJECT INFORMATION:

PROJECT NUMBER: 2024-7005

DATE: 04/02/24

DRAWN BY: P.F.

CHECKED BY: N.H.O.

APPROVED BY: P.F.

SCALE: AS SHOWN

SHEET TITLE:

IRRIGATION SCHEDULES, NOTES  
AND DETAILS

SHEET NUMBER:

# L-3.1

SECTION 32 84 00 IRRIGATION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. FULLY AUTOMATIC IRRIGATION SYSTEM.
B. PIPE AND FITTINGS, VALVES, SPRINKLER HEADS AND ACCESSORIES.
C. CONTROL SYSTEM.

1.02 ADMINISTRATIVE REQUIREMENTS

- A. COORDINATION: COORDINATE THE WORK WITH SITE BACKFILLING, LANDSCAPE GRADING AND DELIVERY OF PLANT LIFE.

1.03 SUBMITTALS

- A. SHOP DRAWINGS: INDICATE PIPING LAYOUT TO WATER SOURCE, LOCATION OF SLEEVES UNDER PAVEMENT, LOCATION AND COVERAGE OF SPRINKLER HEADS, COMPONENTS, PLANT AND LANDSCAPING FEATURES, SITE STRUCTURES, SCHEDULE OF FITTINGS TO BE USED.
B. PRODUCT DATA: SUBMIT COMPLETE PACKAGE FOR MANUFACTURERS' TECHNICAL DATA, AND INSTALLATION AND MAINTENANCE INSTRUCTIONS FOR MATERIALS, PRODUCTS, AND EQUIPMENT INCLUDING, BUT NOT LIMITED TO:
1. INCLUDE COMPONENT AND CONTROL SYSTEM AND WIRING DIAGRAMS.
2. IRRIGATION LOW VOLTAGE CONTROL WIRE.
3. COUPLERS, SEALANTS, AND GANG-SPLICING (IF APPLICABLE) MATERIALS FOR UNDERGROUND WIRE CONNECTIONS.
4. AUTOMATIC CONTROL VALVES.
5. VALVE BOXES AND COVERS.
6. SPRINKLER HEADS, NOZZLES, AND ACCESSORIES.
7. THICK-WALLED POLY PIPE AND BARBED FITTINGS (FOR MOUNTING SPRINKLER HEADS).
8. PVC AND GALVANIZED STEEL PIPE, FITTINGS, AND NIPPLES.
9. PVC SOLVENTS (FOR SOLVENT-WELD JOINTS).
10. MICRO AND SUB-SURFACE IRRIGATION PIPE, MANUAL VALVES, ACCESSORIES, AND FITTINGS.
11. VIRGIN TEFLON TAPE AND/OR OTHER SEALANTS (FOR THREADED JOINTS).
12. BACKFLOW PREVENTER.
13. RAIN SENSOR.
14. TEST CERTIFICATES OF PVC PIPE.
15. DETECTABLE UNDERGROUND TAPE.

- C. RECORD DOCUMENTS: RECORD ACTUAL LOCATIONS OF ALL CONCEALED COMPONENTS OF PIPING SYSTEM.

D. OPERATION AND MAINTENANCE DATA:

- 1. PROVIDE INSTRUCTIONS FOR OPERATION AND MAINTENANCE OF SYSTEM AND CONTROLS, SEASONAL ACTIVATION AND SHUTDOWN, AND MANUFACTURER'S PARTS CATALOG.
2. PROVIDE SCHEDULE INDICATING LENGTH OF TIME EACH VALVE IS REQUIRED TO BE OPEN TO PROVIDE A DETERMINED AMOUNT OF WATER.

E. MAINTENANCE MATERIALS: PROVIDE THE FOLLOWING FOR OWNER'S USE IN MAINTENANCE OF PROJECT.

- 1. EXTRA SPRINKLER HEADS: ONE OF EACH TYPE AND SIZE.
2. EXTRA VALVE KEYS FOR MANUAL VALVES: ONE.
3. EXTRA VALVE BOX KEYS: ONE.
4. EXTRA VALVE MARKER KEYS: ONE.
5. WRENCHES: ONE FOR EACH TYPE HEAD CORE AND FOR REMOVING AND INSTALLING EACH TYPE HEAD.

1.04 QUALITY ASSURANCE

- A. COMPLY WITH APPLICABLE REQUIREMENTS OF GOVERNING AUTHORITIES HAVING JURISDICTION, INCLUDING SOUTH FLORIDA WATER MANAGEMENT DISTRICT, MIAMI-DADE COUNTY REVDERM.
B. COMPLY WITH APPLICABLE PROVISIONS OF NATIONAL ELECTRICAL CODE (NEC) AND NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA) STANDARDS. PROVIDE ELECTRICAL COMPONENTS THAT ARE LISTED AND LABELED BY UNDERWRITERS LABORATORIES (UL).
C. MANUFACTURER QUALIFICATIONS: COMPANY SPECIALIZING IN MANUFACTURING PRODUCTS SPECIFIED IN THIS SECTION, WITH NOT LESS THAN THREE (3) YEARS OF DOCUMENTED EXPERIENCE.
D. INSTALLER QUALIFICATIONS: COMPANY SPECIALIZING IN PERFORMING THE WORK OF THIS SECTION WITH MINIMUM FIVE (5) YEARS OF EXPERIENCE.
1. IRRIGATION SUBCONTRACTOR'S SUPERINTENDENT SHALL BE WELL-VERSED IN FLORIDA IRRIGATION SOCIETY STANDARD PLUMBING PROCEDURES, PVC ASSEMBLY PROCEDURES, PLANS READING AND COORDINATION WITH OTHER PERFORMING CONTRACTS OR SERVICES IN THE PROJECT AREA.
2. ALL EMPLOYEES SHALL BE COMPETENT AND HIGHLY SKILLED IN THEIR PARTICULAR JOB IN ORDER TO PROPERLY PERFORM THE WORK ASSIGNED TO THEM.
E. ALL WORK AND MATERIALS SHALL MEET OR EXCEED THE SPECIFICATIONS AND STANDARDS OF THE FLORIDA IRRIGATION SOCIETY (FIS).
F. BACKFLOW PREVENTION DEVICES SHALL BE INSPECTED AND CERTIFIED BEFORE BEING ACTIVATED FOR TEMPORARY USE IN CONSTRUCTION OR FOR USE IN FULL OPERATION.
G. MAINS SHALL BE CONSTRUCTED AND PRESSURE CHECKED FOR FINAL ACCEPTANCE.

1.05 SITE VISITS

- A. SCHEDULE SITE VISITS BY LANDSCAPE ARCHITECT FOR FIELD OBSERVATION OF TRENCHING AND BACKFILLING, HYDROSTATIC TESTING, AND OPERATIONAL TESTING.

PART 2 PRODUCTS

2.01 IRRIGATION SYSTEM

- A. FULLY AUTOMATIC UNDERGROUND IRRIGATION SYSTEM, WITH ELECTRIC VALVES OPERATED BY CONTROLLER.

2.02 PIPING AND TUBING MATERIALS

A. GENERAL:

- 1. POLYVINYL CHLORIDE (PVC) PIPE: ALL PIPES SHALL BE PVC UNLESS OTHERWISE INDICATED ON THE DRAWINGS OR CALLED FOR IN THESE SPECIFICATIONS.
a. ALL PIPES SHALL BE NEW AND FREE FROM DEFECTS, AND SHALL BE CONTINUOUSLY MARKED INDICATING SIZE, SCHEDULE TYPE, AND DEPARTMENT OF COMMERCE STANDARD REFERENCE.
2. GALVANIZED STEEL PIPE: ALL MAINS WHICH ARE EXPOSED TO POSSIBLE DAMAGE (E.G., ABOVE GROUND) SHALL BE THREADED END, STANDARD WEIGHT, SCHEDULE 40 GALVANIZED STEEL PIPE WITH 150 POUND GALVANIZED MALLEABLE FITTINGS.
3. ALL FLANGED FITTINGS REQUIRED SHALL BE MATED STEEL FITTINGS WITH NEW GASKETS.

B. IRRIGATION MAINS:

- 1. PIPE: ASTM D1785 POLYVINYL CHLORIDE (PVC) PLASTIC PIPE, SCHEDULE 40.
a. EXCEPTION: MAINS WHICH ARE EXPOSED TO POSSIBLE DAMAGE (E.G., ABOVE GROUND) SHALL BE THREADED END, STANDARD WEIGHT, SCHEDULE 40 GALVANIZED STEEL PIPE.
2. FITTINGS: ASTM D2466 POLYVINYL CHLORIDE (PVC) PLASTIC FITTINGS, SCHEDULE 40, SOCKET.
a. EXCEPTION: WHERE GALVANIZED STEEL PIPE IS USED, FITTINGS SHALL BE 150 POUND GALVANIZED MALLEABLE FITTINGS.
3. JOINT (PVC PIPE): ASTM D2564, SOLVENT CEMENT.

C. IRRIGATION SLEEVES:

- 1. PIPE: ASTM D1785 POLYVINYL CHLORIDE (PVC) PLASTIC PIPE, SCHEDULE 40.
2. FITTINGS: ASTM D2466 POLYVINYL CHLORIDE (PVC) PLASTIC FITTINGS, SCHEDULE 40, SOCKET.
3. JOINT (PVC PIPE): ASTM D2564, SOLVENT CEMENT.

D. IRRIGATION STATIONS:

- 1. PIPE: ASTM D1785 POLYVINYL CHLORIDE (PVC) PLASTIC PIPE, SCHEDULE 40.
2. FITTINGS: ASTM D2466 POLYVINYL CHLORIDE (PVC) PLASTIC FITTINGS, SCHEDULE 40, SOCKET.
3. JOINT: ASTM D2564, SOLVENT CEMENT.

E. SPRINKLER HEAD FLEXIBLE JOINT:

- 1. PIPE: ASTM D2737 POLYETHYLENE (PE) PLASTIC TUBING.
2. FITTINGS: THREAD / BARB.
3. JOINT: SCREW / INSERTED.
4. PRODUCT:
a. RAINBIRD "SWING PIPE".
b. TORO "POLY PIPE".

F. ELECTRICAL CONDUIT PIPE: PROVIDE GRAY POLYVINYL CHLORIDE (PVC) CONDUIT AND FITTINGS UNDERGROUND. COMPLY WITH NEMA TC-2, NEMA TC-3, AND UL 651. CONVERT TO HOT-DIP GALVANIZED RIGID STEEL CONDUIT BEFORE RISING ABOVE GROUND.

- 1. SIZE: AS REQUIRED BY GOVERNING BUILDING CODE OR AS INDICATED ON DRAWINGS, WHICHEVER IS LARGEST. MINIMUM SIZE 1 INCH (27 MM).
2. CONDUIT INCLUDED UNDER THIS SECTION IS LIMITED TO LOW VOLTAGE WIRING BETWEEN TIME CLOCK CONTROLLER AND AUTOMATIC VALVE LOCATIONS.

2.03 OUTLETS

- A. EQUIPMENT SHALL BE AS INDICATED ON DRAWINGS.

2.04 VALVES AND CONTROLS

- A. GATE VALVE: REFER TO EQUIPMENT SCHEDULE ON DRAWINGS.
B. AUTOMATIC TIME CONTROLLER: REFER TO EQUIPMENT SCHEDULE ON DRAWINGS.
C. AUTOMATIC CONTROL VALVES: REFER TO EQUIPMENT SCHEDULE ON DRAWINGS; 24-VOLT, AUTOMATIC.
D. VALVE BOX: REFER TO EQUIPMENT SCHEDULE ON DRAWINGS.
E. MOISTURE SENSOR: REFER TO EQUIPMENT SCHEDULE ON DRAWINGS.

2.05 SAND

- A. CLEANED, WASHED COARSE SAND, FREE OF SILT, SLUDGE, AND TOXIC MATERIALS, WITH 100 PERCENT OF THE SAND PASSING A NUMBER 8 SIEVE AND NOT MORE THAN 4 PERCENT PASSING A NUMBER 100 SIEVE.

2.06 WIRES

- A. PROVIDE MINIMUM 16 AWG WIRES. PROVIDE SOLID COPPER CONDUCTORS FOR SIZES 10 AWG AND SMALLER, STRANDED COPPER CONDUCTORS FOR SIZES 8 AWG AND LARGER. PROVIDE COPPER CONDUCTORS WITH CONDUCTIVITY OF 98 PERCENT AT 68 F (20 C). PROVIDE WIRES WITH THIN/THIN THERMOPLASTIC INSULATION.

2.07 SPLICES

- A. SUBJECT TO COMPLIANCE WITH APPLICATION REQUIREMENTS, PROVIDE 3M DBY AND DBR DIRECT BURIAL SPLICE KITS MANUFACTURED FOR 3M.
2.08 PIPING AND WIRING MARKERS

- A. SUBJECT TO COMPLIANCE WITH APPLICABLE REQUIREMENTS, PROVIDE PLASTIC-ENCASED ALUMINUM BLUE DETECTABLE UNDERGROUND TAPE LABELED BURIED UNDERGROUND IRRIGATION LINE BELOW.

PART 3 EXECUTION

3.01 EXAMINATION

- A. VERIFY LOCATION OF EXISTING UTILITIES.
B. VERIFY THAT REQUIRED UTILITIES ARE AVAILABLE, IN PROPER LOCATION, AND READY FOR USE.

3.02 DESIGN

- A. DESIGN PRESSURES ARE INDICATED ON DRAWINGS AT CONNECTION TO WATER SUPPLY AND AT FARTHEST STATION POINTS. VERIFY THAT PRESSURE AT WATER SUPPLY IS MAINTAINED ABOVE INDICATED PRESSURE AT TIME OF DAY WHEN IRRIGATION IS PROGRAMMED TO OPERATE.

3.03 PREPARATION

- A. PIPING LAYOUT INDICATED IS DIAGRAMMATIC ONLY. ROUTE PIPING TO AVOID PLANTS, GROUND COVER, AND STRUCTURES.
B. DO NOT DECREASE SYSTEM COMPONENT QUANTITIES INDICATED UNLESS OTHERWISE ACCEPTABLE TO ARCHITECT.
C. LAYOUT AND STAKE LOCATIONS OF SYSTEM COMPONENTS.
D. REVIEW LAYOUT REQUIREMENTS WITH OTHER AFFECTED WORK. COORDINATE LOCATIONS OF SLEEVES UNDER PAVING TO ACCOMMODATE SYSTEM.

3.04 TRENCHING

- A. EXCAVATE STRAIGHT AND TRUE WITH BOTTOM UNIFORMLY SLOPED TO LOW POINTS. EXCAVATE TRENCHES TO A DEPTH OF 3 INCHES BELOW INVERT OF PIPE. PROVIDE MINIMUM COVER OVER TOP OF PIPING AS SCHEDULED ON DRAWINGS.
B. TRENCH TO ACCOMMODATE GRADE CHANGES AND SLOPE TO DRAINS.
C. MAINTAIN TRENCHES FREE OF DEBRIS, MATERIAL, OR OBSTRUCTIONS THAT MAY DAMAGE PIPE.
D. PROTECT EXISTING VEGETATION. DO NOT EXCAVATE WITHIN DRIP-LINE OF VEGETATION. JACK PIPING SLEEVES UNDER ROOT SYSTEM IF POSSIBLE. REMOVE AND REPLANT VEGETATION AS NECESSARY TO COMPLETE INSTALLATION. REPLACE DAMAGED VEGETATION WITH NEW TO MATCH EXISTING.
E. AT EACH LOCATION WHERE IRRIGATION PIPE IS INDICATED TO CROSS BENEATH PAVING, IT SHALL BE PLACED IN A PVC IRRIGATION SLEEVE TWICE WATER PIPE SIZE, AT DEPTH BELOW GRADE INDICATED ON DRAWINGS.

3.05 INSTALLATION

- A. INSTALL PIPE, VALVES, CONTROLS, AND OUTLETS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. INSTALL AUTOMATIC VALVES IN VALVE BOXES, ARRANGED FOR EASY ADJUSTMENT AND REMOVAL. PROVIDE PIPE ADAPTERS AND VALVE PLUGS AS REQUIRED. ADJUST AUTOMATIC VALVES TO PROVIDE FLOW RATE OF RATED OPERATING PRESSURE REQUIRED FOR EACH IRRIGATION STATION.
C. INSTALL CONDUITS AND WIRES TO CONNECT AUTOMATIC CONTROLLER TO AUTOMATIC ELECTRIC VALVES AND RAIN SENSOR SWITCH. PROVIDE 24 INCH (610 MM) EXPANSION COIL AT EACH VALVE TO WHICH CONTROLS ARE CONNECTED, AND AT 100 FT (30 M) INTERVALS. WATERPROOF WIRING SPLICES WITH DIRECT BURIAL SPLICE KITS IN STATION VALVE BOXES.
D. PROVIDE SLEEVES TWICE WATER PIPE SIZE UNDER PAVEMENTS AND THROUGH PLANTER WALLS.
E. LAY PIPE ON SOLID SUBBASE, UNIFORMLY SLOPED WITHOUT HUMPS OR DEPRESSIONS.
F. INSTALL PVC PIPE IN DRY WEATHER WHEN TEMPERATURE IS ABOVE 40 F (4 C) IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. ALLOW JOINTS TO CURE AT LEAST 24 HOURS AT TEMPERATURES ABOVE 40 F (4 C) BEFORE TESTING, UNLESS OTHERWISE RECOMMENDED BY MANUFACTURER.
G. CONNECT TO UTILITIES.
H. SET OUTLETS AND BOX COVERS AT FINISH GRADE ELEVATIONS.
I. PROVIDE FOR THERMAL MOVEMENT OF COMPONENTS IN SYSTEM.
J. USE THREADED NIPPLES FOR RISERS TO EACH OUTLET.
K. PROVIDE CONTINUOUS UNDERGROUND LINE MARKERS, LOCATED DIRECTLY OVER BURIED PIPING AND WIRING LINES AT 8 INCHES BELOW FINISH GRADE.
L. AFTER PIPING IS INSTALLED, BUT BEFORE OUTLETS ARE INSTALLED AND BACKFILLING COMMENCES, OPEN VALVES AND FLUSH SYSTEM WITH FULL HEAD OF WATER.
M. INSTALL SPRINKLER HEADS AFTER HYDROSTATIC TEST IS COMPLETED. INSTALL HEADS AT MANUFACTURER'S RECOMMENDED HEIGHTS. LOCATE PART-CIRCLE HEADS TO MAINTAIN MINIMUM OF 12 INCHES FROM BUILDING WALLS, AND 4 INCHES FROM PAVEMENTS AND OTHER BOUNDARIES, UNLESS OTHERWISE INDICATED. ADJUST PATTERN ARCS AND RADIIUSES TO AVOID WATER SPILLAGE ONTO PAVEMENTS.

3.06 FIELD QUALITY CONTROL

- A. HYDROSTATIC TESTING:
1. CONDUCT TEST IN PRESENCE OF LANDSCAPE ARCHITECT. TEST WATER PIPING AND VALVES, BEFORE BACKFILLING TRENCHES, TO A HYDROSTATIC PRESSURE OF NOT LESS THAN 100 PSI (690 KPA) FOR ONE HOUR. REMOVE AND REPAIR PIPING, CONNECTIONS, AND VALVES THAT DO NOT PASS HYDROSTATIC TESTING.
2. SYSTEM IS ACCEPTABLE IF NO LEAKAGE OR LOSS OF PRESSURE OCCURS AND SYSTEM SELF DRAINS DURING TEST PERIOD.
B. OPERATIONAL TESTING:
1. CONDUCT TEST IN PRESENCE OF LANDSCAPE ARCHITECT. PERFORM OPERATIONAL TESTING AFTER HYDROSTATIC TESTING IS COMPLETED. BACKFILL IS IN PLACE, AND SYSTEM COMPONENTS ADJUSTED TO FINAL POSITION. DEMONSTRATE TO ARCHITECT THAT SYSTEM MEETS COVERAGE REQUIREMENTS AND THAT AUTOMATIC CONTROLS FUNCTION PROPERLY.

3.07 BACKFILLING

- A. BACKFILL WITH SATISFACTORY MATERIAL FROM EXCAVATION. REMOVE ORGANIC MATERIAL AS WELL AS ROCKS AND DEBRIS LARGER THAN 1 INCH IN DIAMETER. BACKFILL WITH CLEAN SAND IF EXCAVATED MATERIAL IS NOT ACCEPTABLE TO ARCHITECT. PLACE AND COMPACT SATISFACTORY SOIL MATERIAL IN 6-INCH LAYERS TO DENSITY OF SURROUNDING ORIGINAL GROUND.
B. BACKFILL TRENCH TO SPECIFIED SUBGRADE ELEVATION. PROTECT PIPING FROM DISPLACEMENT.

3.08 EXISTING PAVEMENTS

- A. WHERE EXISTING PAVEMENTS MUST BE CUT TO INSTALL LANDSCAPE IRRIGATION SYSTEM, CUT SMOOTHLY TO STRAIGHT LINES 6 INCHES WIDER THAN TRENCH. JACK PIPING SLEEVES UNDER PAVING MATERIAL AT WALKS IF POSSIBLE.
B. EXCAVATE TRENCH TO REQUIRED DEPTH AND WIDTH. BACKFILL WITH DRY SAND, PLACING AND COMPACTING IN 6-INCH LAYERS. REPAIR OR REPLACE PAVEMENT CUTS WITH EQUIVALENT MATERIALS AND FINISHES.

3.09 DISPOSAL OF WASTE

- A. REMOVE AND LEGALLY DISPOSE OF SURPLUS SOIL AND WASTE MATERIAL, INCLUDING EXCESS SUBSOIL, UNSUITABLE SOIL, TRASH, DEBRIS, AND CONTAMINATED MATERIALS, OFF PROJECT SITE. DO NOT USE WASTE MATERIAL AS BACKFILL, OR IN SODDING AND PLANTING SOIL MIXTURE. BURNING IS NOT PERMITTED ON PROJECT SITE.

3.10 SYSTEM STARTUP

- A. PREPARE AND START SYSTEM IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. BEGIN SYSTEM OPERATION AND MAINTENANCE IMMEDIATELY AFTER PLANTING AND SODDING.
C. ADJUST CONTROL SYSTEM TO ACHIEVE TIME CYCLES REQUIRED.
D. ADJUST HEAD TYPES FOR FULL WATER COVERAGE AS DIRECTED.
E. MAINTAIN UNDERGROUND IRRIGATION SYSTEM UNTIL FINAL ACCEPTANCE OF LANDSCAPE WORK.

3.11 CLOSEOUT ACTIVITIES

- A. INSTRUCT OWNER'S PERSONNEL IN OPERATION AND MAINTENANCE OF SYSTEM, INCLUDING ADJUSTING OF SPRINKLER HEADS. USE OPERATION AND MAINTENANCE DATA AS BASIS FOR DEMONSTRATION.

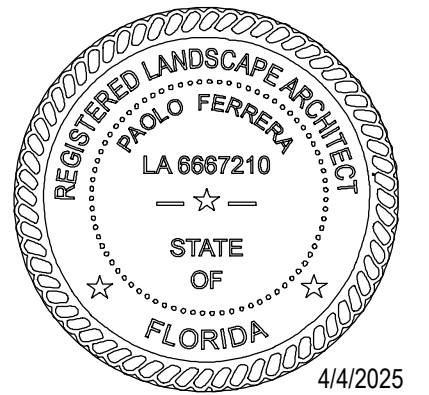


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SCALE: AS SHOWN

SHEET TITLE:
IRRIGATION SPECIFICATIONS

SHEET NUMBER:

L-3.2