

X:\MIA\2019\20197049\Design\Latest Drawings (02-25-25)\C-0 COVER
8/25/2025 11:06 AM

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

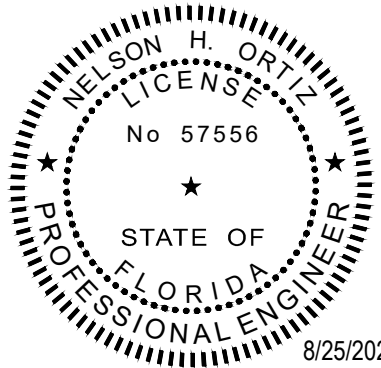


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FOR THE FIRM : NELSON H. ORTIZ
PE-57556 (CIVIL)

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

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

GENERAL NOTES

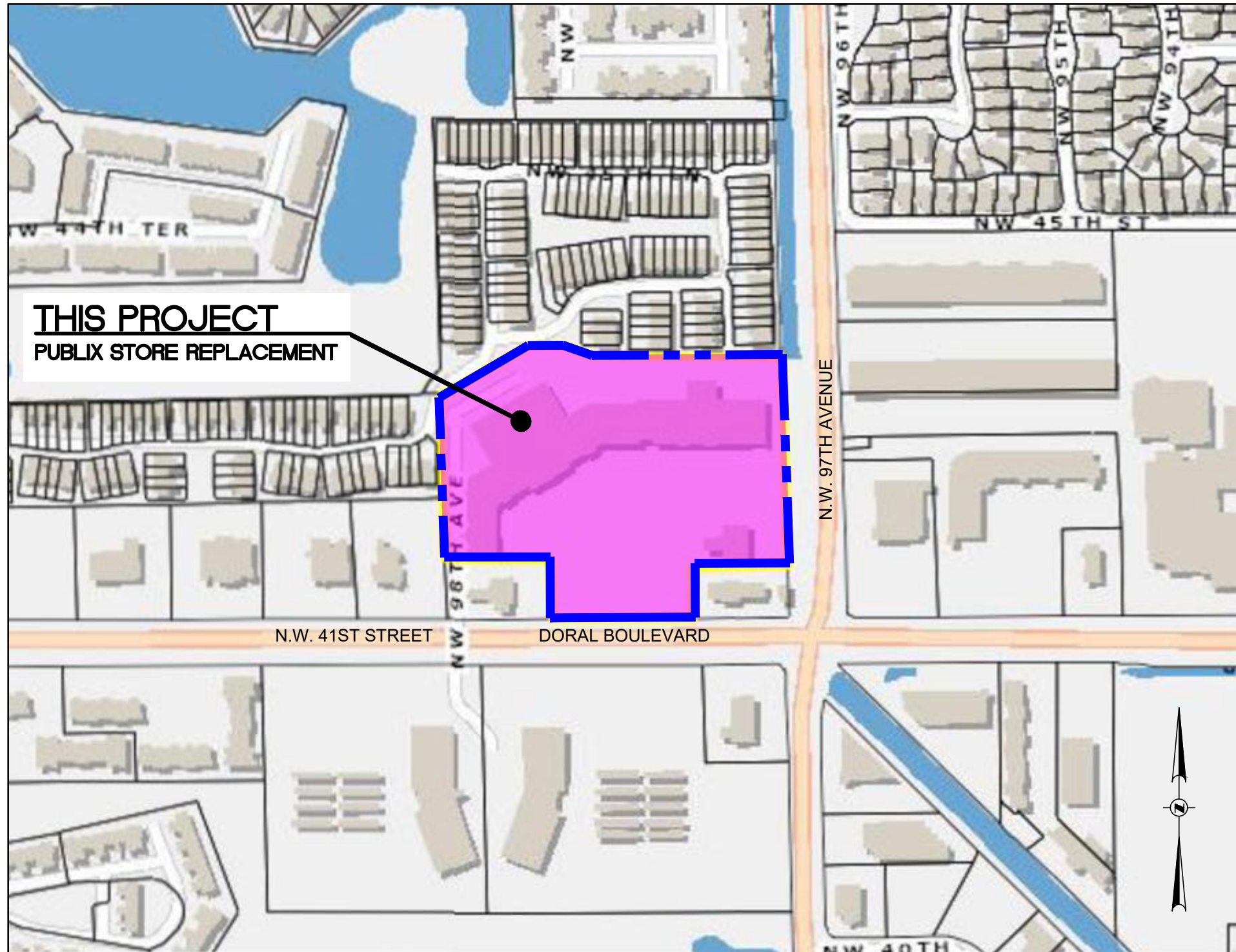
- ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) BASED ON MIAMI-DADE COUNTY BENCHMARK # N-512, ELEVATION=5.55.
- HORIZONTAL AND VERTICAL CONTROL SHALL BE PROVIDED BY THE OWNER'S SURVEYOR. LAYOUT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- BEARINGS SHOWN HEREON REFER TO RECORD 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 CONTRACTOR'S 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 (RPM'S), 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 CONTRACTOR'S 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.



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

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 CHASE FIRST ADDITION AMENDED
(PLAT BOOK 148, PAGE 92, D.C.R.)

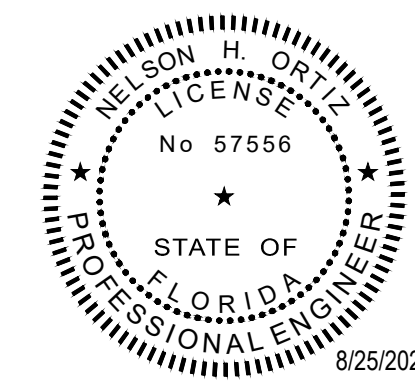


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SITE PLAN - NOT FOR CONSTRUCTION 04-01-2025

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

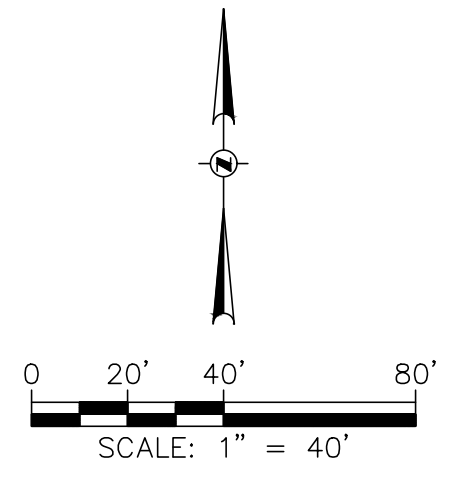
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STORE No. 0031
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CITY OF DORAL, FLORIDA 33178

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 TPD WED COMMENTS



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
- TRIANGLE PER MDC
- TRIANGLE PER FDOT M21.11.1
- NOTE: 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					
OCCUPY-ABLE AREA	107,105		101,322		
NON-OCCUPY-ABLE AREA	2,102		1,157		
TOTAL BUILDING 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%)	
	EXISTING	ALLOWED / REQUIRED	PROVIDED		
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		
	EXISTING	ALLOWED / REQUIRED	PROVIDED		
BUILDING COVERAGE	(109,207 SF) 23.84%	50% (MAX) (458,046 SF) 229,023 SF 22.37%	(102,479 SF) 22.37%		
F.A.R.	EXISTING (SF)	ALLOWED / REQUIRED	PROVIDED (SF)		
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%)		
	EXISTING	REQUIRED	PROVIDED		
PARKING SPACES	506	521	445		
OCCUPY-ABLE 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.
OCCUPY-ABLE AREA 23,849 SF
NON-OCCUPY-ABLE AREA 810 SF
TOTAL BUILDING AREA 24,659 SF

TRACT "A"
NOT A PART OF THIS PROJECT

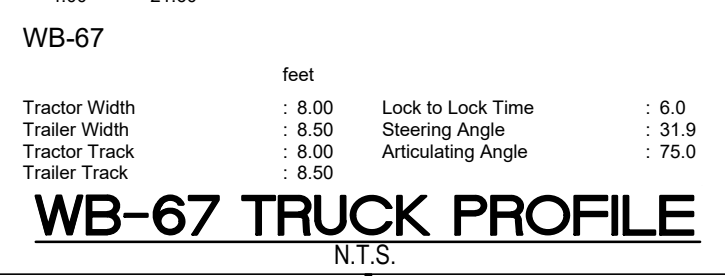
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NOT A PART OF THIS PROJECT

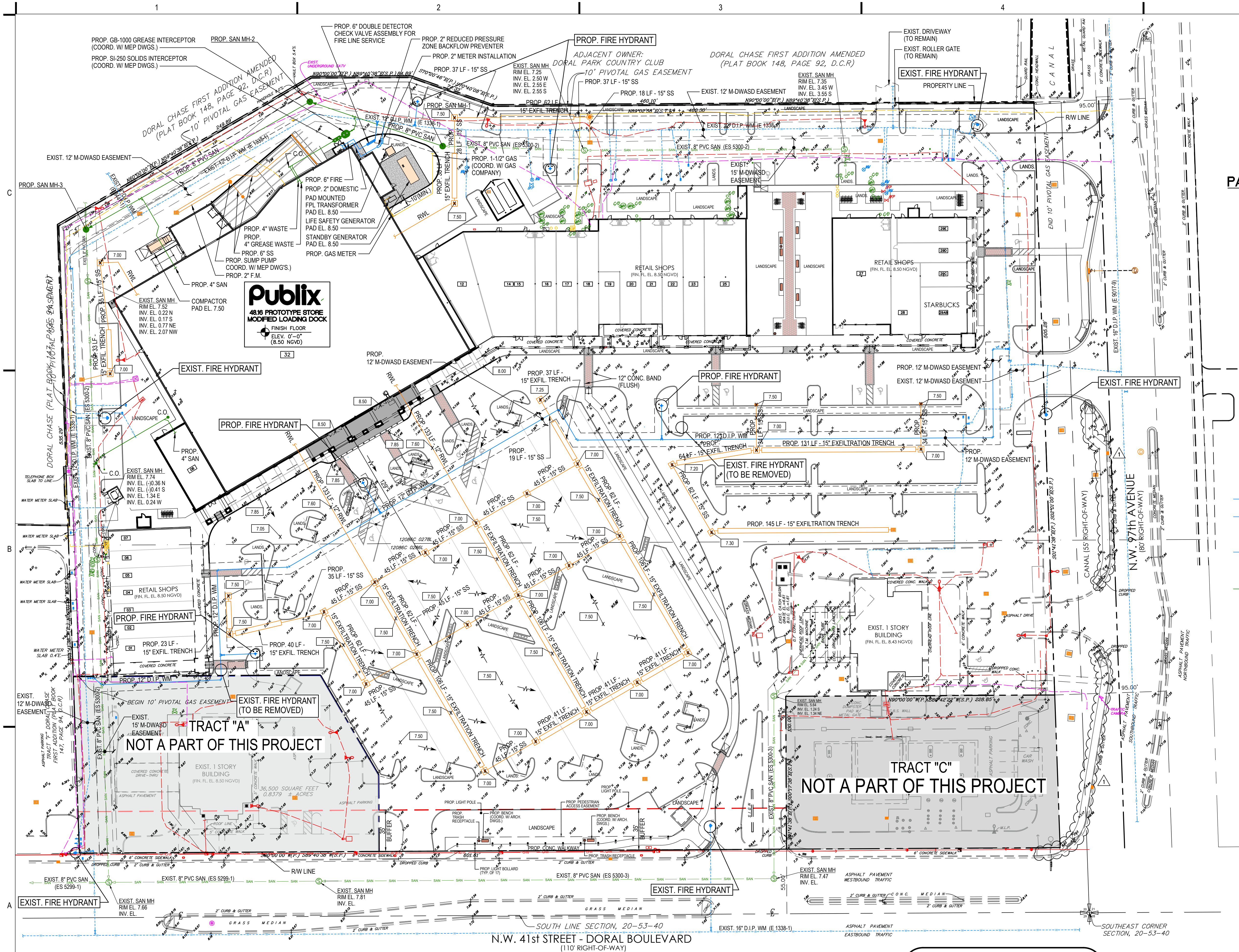
OVERALL SITE PLAN
SCALE: 1" = 40'

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.

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!





PAVING-GRADING-DRAINAGE
LEGEND

- EXISTING SPOT ELEVATION
- NEW SPOT ELEVATION
- EXIST. CATCH BASIN
- SS
- CB
- MH
- SS
- EXFIL. TRENCH
- FLOW ARROW

WATER AND SEWER
LEGEND

- | EXISTING | PROPOSED |
|---------------|---------------|
| WM | WM |
| Gate Valve | Gate Valve |
| Fire Hydrant | Fire Hydrant |
| San. Manhole | San. Manhole |
| San. Main | San. Main |
| San. Cleanout | San. Cleanout |



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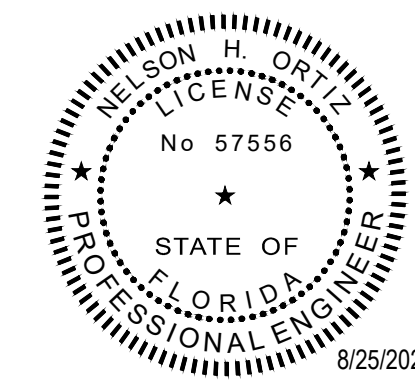


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DRAWN BY: G.G.G.
CHECKED BY: N.H.O.
APPROVED BY: N.H.O.
SCALE: AS SHOWN

SHEET TITLE:

SITE UTILITY PLAN

SHEET NUMBER:

C-2

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 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

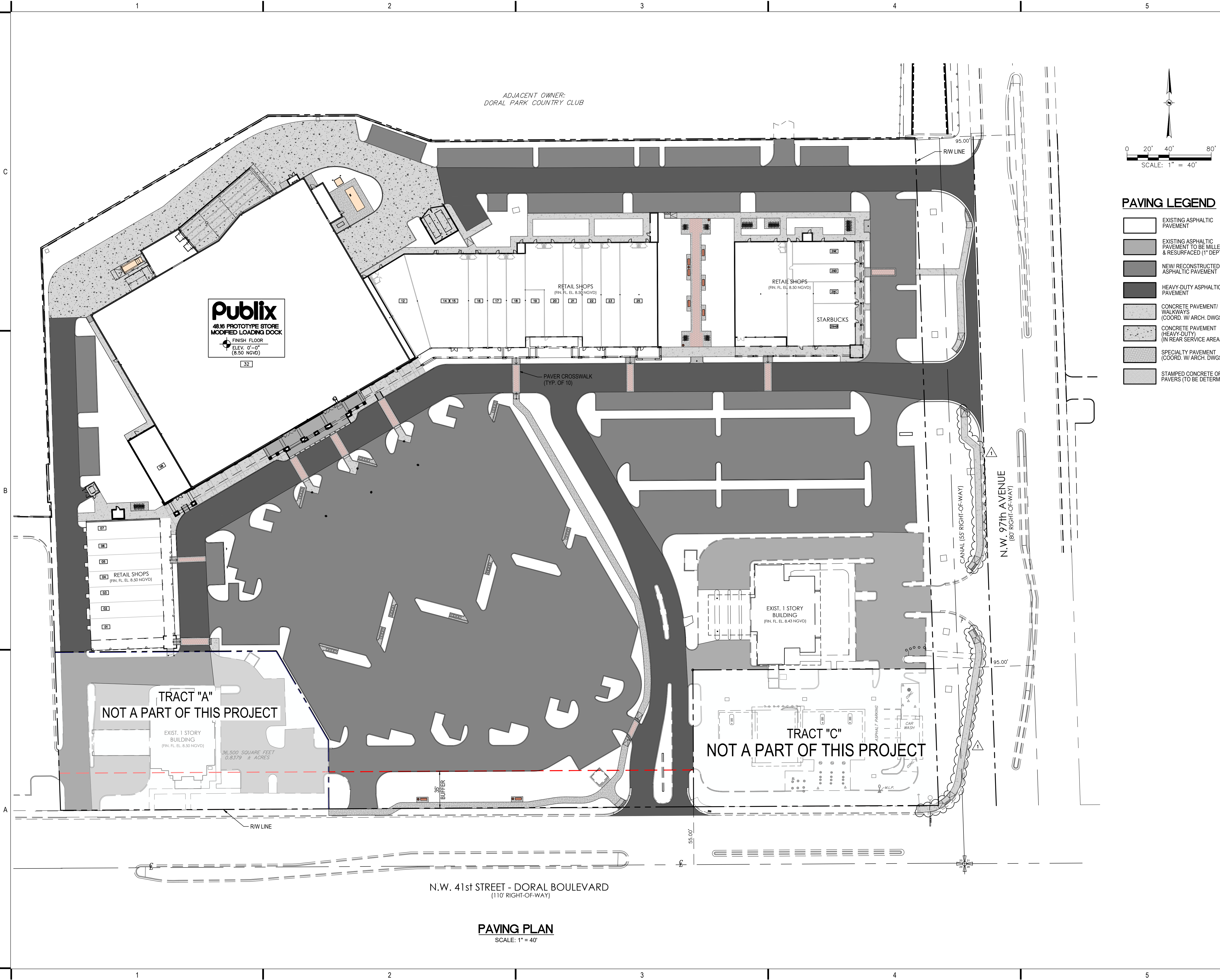
SCALE: 1" = 40'

VERTICAL DATUM
ALL ELEVATIONS SHOWN
REFER TO NGVD 1929

GREASE INTERCEPTORS NOTE

(NOT A PART OF M-DWASD 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.



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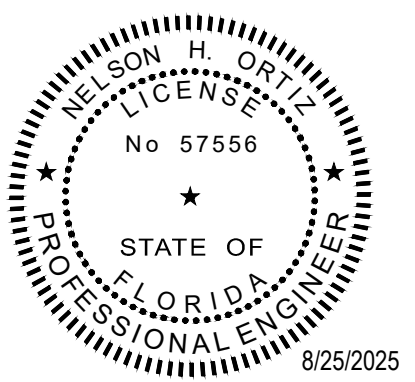
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DRAWN BY: G.G.G.
CHECKED BY: N.H.O.
APPROVED BY: N.H.O.
SCALE: AS SHOWN

SHEET TITLE:
PAVING PLAN OPTION 2

SHEET NUMBER:

C-2.1



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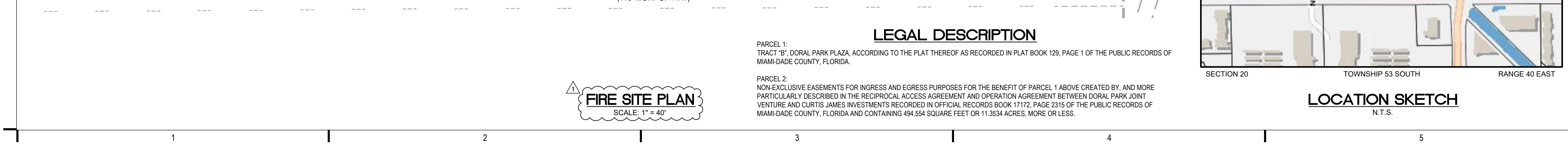
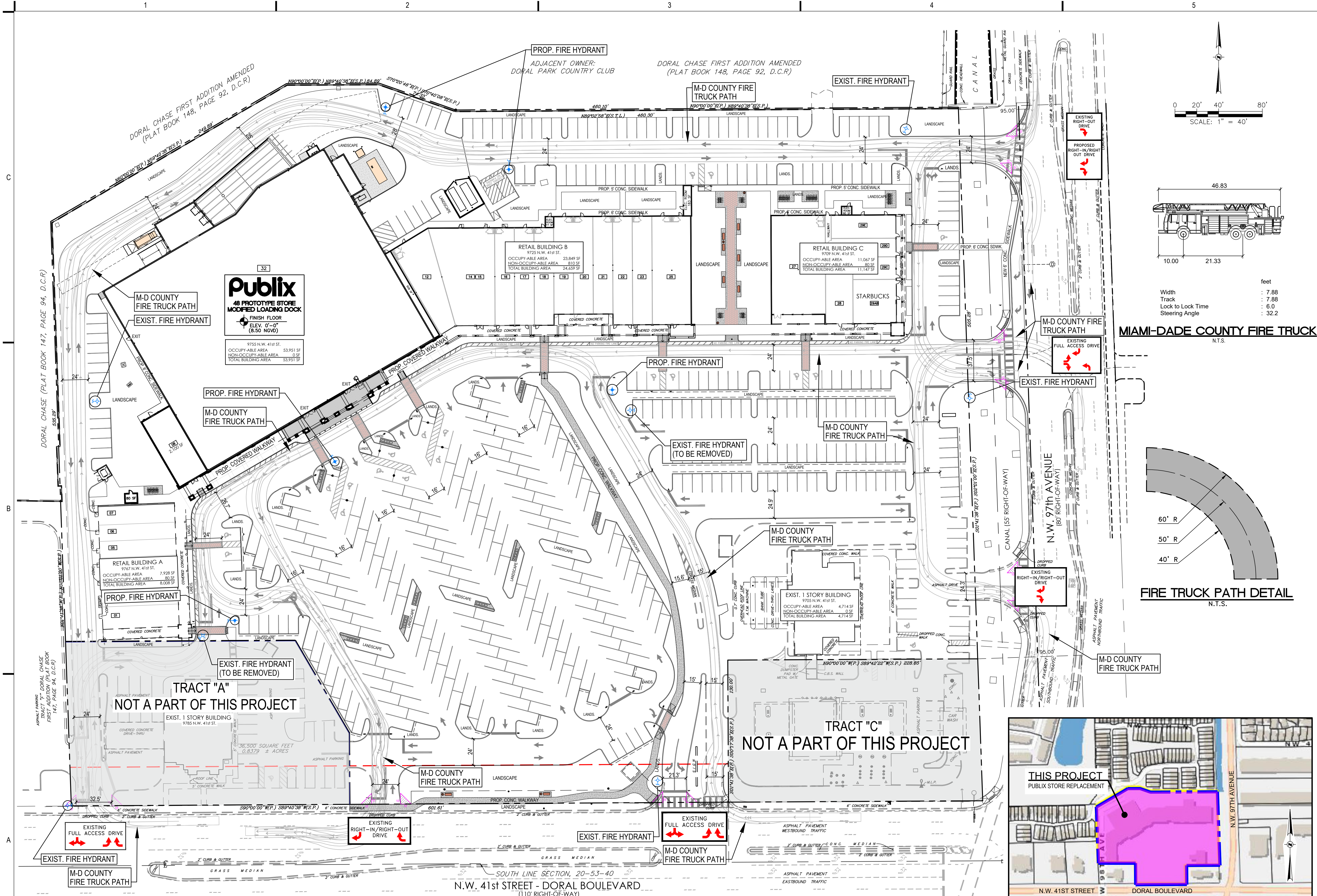
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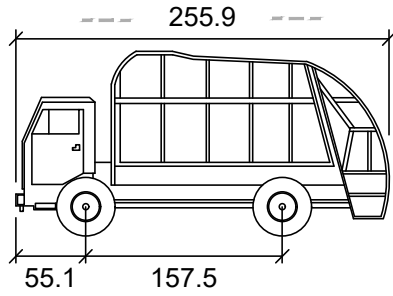
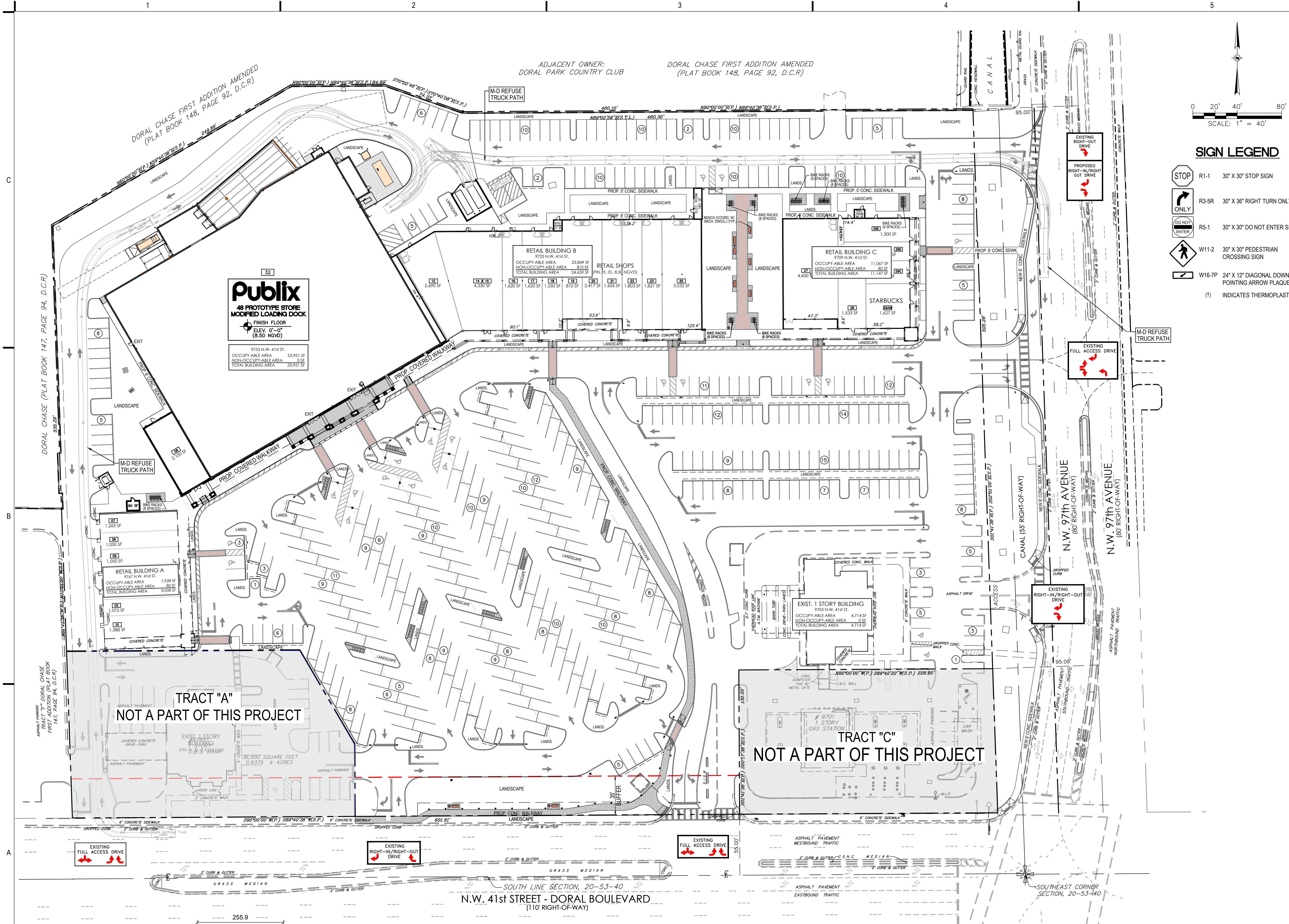
SHEET TITLE:

FIRE SITE PLAN

SHEET NUMBER:

FSP-1





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-TRANSPORTED 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!

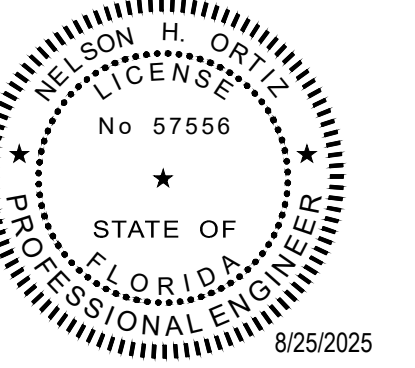


Graef-USA Inc.
9400 South Dadeland Boulevard
Suite 601
Miami, FL 33156
305 / 378 5555
305 / 279 4553 fax

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CERTIFICATE OF AUTHORIZATION NO. 4270

SEAL / SIGNATURE:



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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 TFW TED COMMENTS

PROJECT INFORMATION:

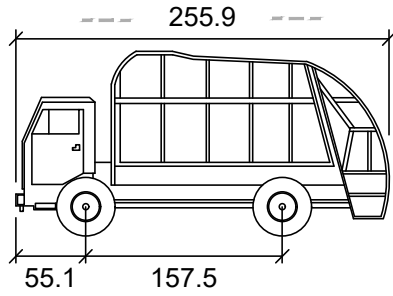
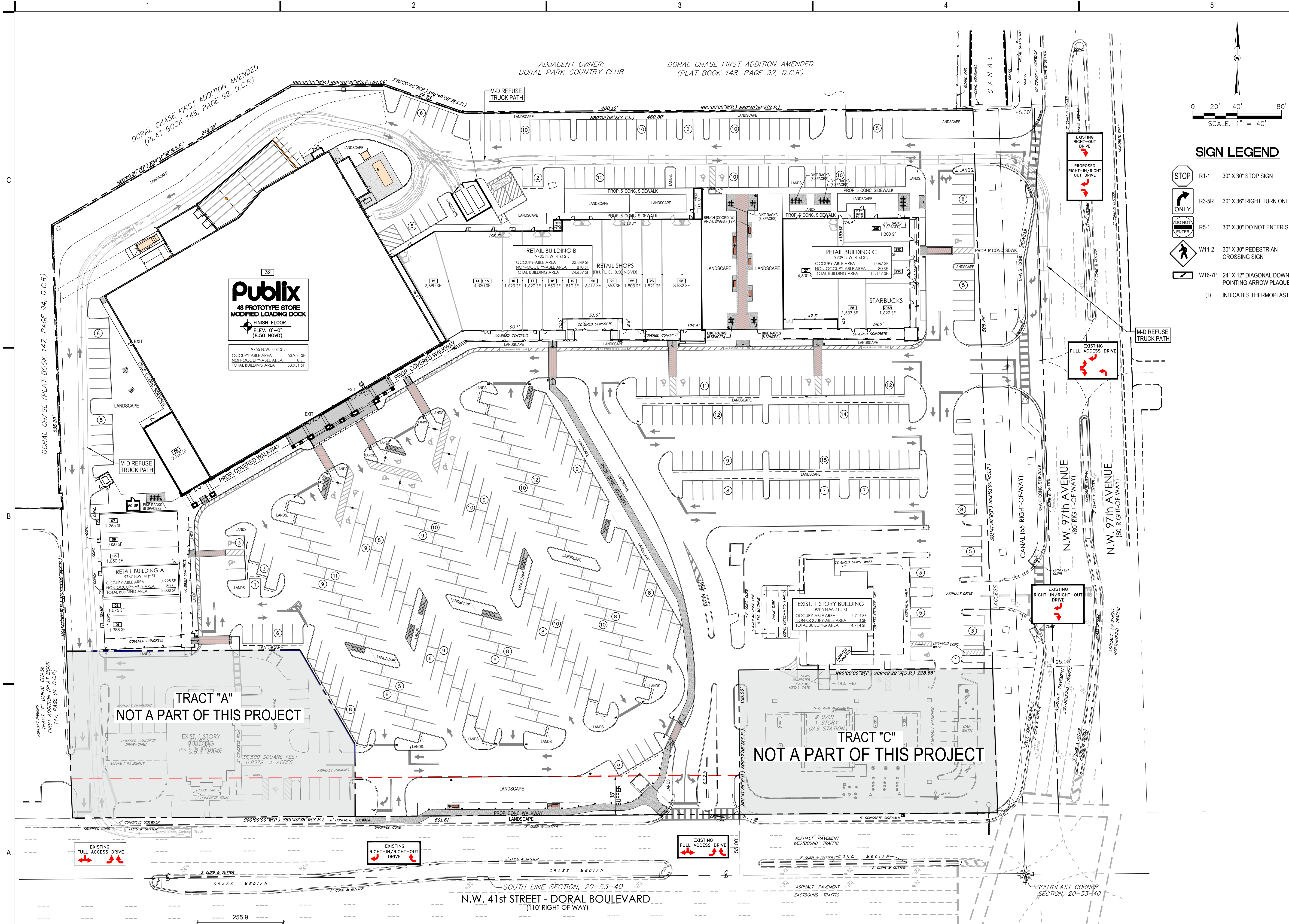
PROJECT NUMBER: 2024-7005
DATE: 04/02/24
DRAWN BY: G.G.G.
CHECKED BY: N.H.O.
APPROVED BY: N.H.O.
SCALE: AS SHOWN

SHEET TITLE:

OVERALL SITE PLAN
REFUSE TRUCK PATH - 1

SHEET NUMBER:

TP-1



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

**OVERALL SITE PLAN
REFUSE TRUCK PATH-2**

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-TRANSPORTED 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!

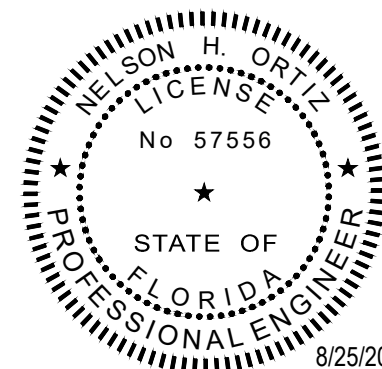


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FOR THE FIRM: NELSON H. ORTIZ
PE-57556 (CIVIL)

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

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

X:\MIA2019\201907049\Design\Latest Drawings (02-25-25)\L-1 DISPOSITION 4/4/2025 4:54 PM



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

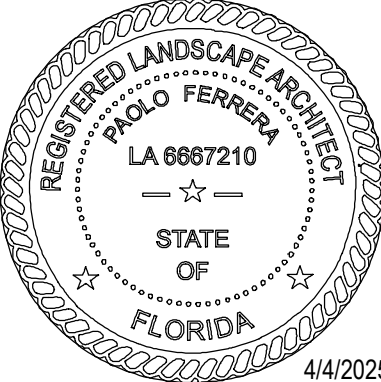


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CERTIFICATE OF AUTHORIZATION NO. 4270

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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 DISPOSITION PLAN

SHEET NUMBER:



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-1.0

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 | | | | | | | | | | | |

IT IS CRITICAL TO EXISTING TREES SURVIVAL TO PROVIDE PROTECTION DURING CONSTRUCTION. THIS DETAIL CAN BE USED AROUND ONE OR MORE TREES AND WILL PROVIDE PROTECTION FROM CONSTRUCTION EQUIPMENT.

4" x 4" PRESSURE TREATED PINE POSTS

6" x 6" WIRE MESH ATTACHED TO EACH 4" x 4"

NOTE: BARRIER TO FORM CONTINUOUS CIRCLE AROUND THE TREE OR GROUP OF TREES

OVERALL DIMENSION TO PROTECT ROOTS

4" MIN.

2" MIN.

1

DROP LINE

DROP LINE

ROOT BOUNDARY TO BE PROTECTED

4" x 4" PRESSURE TREATED PINE POSTS

TREE TRUNK

2" x 6" PRESSURE TREATED PINE FRAMING STUDS OR 6" x 6" WIRE MESH NAILED TO POSTS

° WIRE MESH BARRIER DETAIL °

° WOOD BARRIER DETAIL PLAN °

The image contains two technical drawings. The left drawing, titled 'WOOD BARRIER DETAIL', shows a cross-section of a wooden barrier. It features a series of horizontal rails (2" x 4" pressure-treated pine posts) supported by vertical posts (4" x 4" pressure-treated pine posts). The barrier is designed to form a continuous circle around a tree or group of trees. Labels include 'Drip Line', '4" MIN.' for the barrier height, '2" MIN.' for the post spacing, '4" x 4" PRESSURE TREATED PINE POSTS', '2" x 4" PRESSURE TREATED PINE FRAMING STUDS NAILED TO POSTS', 'OVERALL DIMENSION TO PROTECT ROOTS', and a note: 'NOTE: BARRIER TO FORM CONTINUOUS CIRCLE AROUND THE TREE OR GROUP OF TREES'. The right drawing, titled 'PALM BRACING DETAIL', shows a cross-section of a palm tree trunk supported by a bracing system. The system includes a central vertical post (2" x 4" pressure-treated pine post) and diagonal braces (2" x 4" pressure-treated pine posts) secured with 12" x 4" batten bands. Labels include '5 TURNS BROWN SUELAY® ON TRUNK WITH (3) 12" x 4" BATTENS AND BANDING AT HEIGHT REQUIRED TO PROVIDE PROPER SUPPORT OF TREE', '1'-0" (MIN.)', 'CURB', '1'-6" (MIN.)', 'PLUNGE ROOT BALL 1'-6" (MIN.)', '1" CLEAR', 'EXISTING SOIL', '6" MIN.', 'PLANTING SOIL', and '(3) 2" x 4" BRACES WITH 2" x 4" STAKES AT BASE. TOE NAIL BOTH ENDS OF STAKE'.

° WOOD BARRIER DETAIL °

° PALM BRACING DETAIL °

L-1.1

C

B

A

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
51	Live Oak	<u>Quercus virginiana</u>	TREE	20.6	12	7.50		113.10	Fair	46%	YES	RELOCATE		0.00
52	Bottlebrush	<u>Callistemon sp.</u>	TREE	24.1	23	26.00	YES	415.48	Fair	48%		REMOVE	YES	830.95
53	Black Olive	<u>Bucida buceras</u>	TREE	20.7	24	12.25		452.39	Fair	48%		REMOVE	YES	452.39
54	Black Olive	<u>Bucida buceras</u>	TREE	21.1	28	14.50		615.75	Fair	46%		REMOVE	YES	615.75
55	Live Oak	<u>Quercus virginiana</u>	TREE	16.5	13	5.00		132.73	Good	62%	YES	RELOCATE		0.00
56	Black Olive	<u>Bucida buceras</u>	TREE	15.2	15	6.25		176.71	Fair	53%		REMOVE	YES	176.71
57	Live Oak	<u>Quercus virginiana</u>	TREE	19.3	17	7.50		226.98	Good	65%	YES	RELOCATE		0.00
58	Royal Palm	<u>Roystonea regia</u>	PALM	39.3	16	16.50		201.06	Fair	58%	YES	RELOCATE		0.00
59	Royal Palm	<u>Roystonea regia</u>	PALM	50.3	16	13.25		201.06	Good	65%	YES	RELOCATE		0.00
60	Royal Palm	<u>Roystonea regia</u>	PALM	45.7	16	15.25		201.06	Good	65%	YES	RELOCATE		0.00
61	Royal Palm	<u>Roystonea regia</u>	PALM	35.4	16	17.50		201.06	Good	65%	YES	RELOCATE		0.00
62	Royal Palm	<u>Roystonea regia</u>	PALM	50.2	16	15.75		201.06	Good	65%	YES	RELOCATE		0.00
63	Live Oak	<u>Quercus virginiana</u>	TREE	15	12	6.25		113.10	Good	65%	YES	RELOCATE		0.00
64	Black Olive	<u>Bucida buceras</u>	TREE	18.7	30	12.50		706.86	Fair	53%		PROTECT		0.00
65	Live Oak	<u>Quercus virginiana</u>	TREE	17	13	6.00		132.73	Good	62%	YES	RELOCATE		0.00
66	Live Oak	<u>Quercus virginiana</u>	TREE	17	13	6.00		132.73	Good	62%	YES	RELOCATE		0.00
67	Black Olive	<u>Bucida buceras</u>	TREE	20.8	38	14.75		1,134.11	Fair	51%		PROTECT		0.00
68	Black Olive	<u>Bucida buceras</u>	TREE	19	22	9.50		380.13	Fair	52%		PROTECT		0.00
69	Black Olive	<u>Bucida buceras</u>	TREE	15	12	8.75		113.10	Fair	46%		REMOVE	YES	113.10
70	Black Olive	<u>Bucida buceras</u>	TREE	13	13	9.50		132.73	Fair	47%		PROTECT		0.00
71	Black Olive	<u>Bucida buceras</u>	TREE	13.9	13	10.00		132.73	Poor	39%		REMOVE	YES	132.73
72	Black Olive	<u>Bucida buceras</u>	TREE	22.8	34	14.75		907.92	Fair	58%		PROTECT		0.00
73	Black Olive	<u>Bucida buceras</u>	TREE	15	13	8.00		132.73	Fair	45%		REMOVE	YES	132.73
74	Black Olive	<u>Bucida buceras</u>	TREE	17.3	15	10.50		176.71	Fair	50%		REMOVE	YES	176.71
75	Royal Palm	<u>Roystonea regia</u>	PALM	33.5	16	13.50		201.06	Fair	59%	YES	RELOCATE		0.00
76	Royal Palm	<u>Roystonea regia</u>	PALM	42.8	16	16.75		201.06	Good	65%	YES	RELOCATE		0.00
77	Pygmy Date Palm	<u>Phoenix robelenii</u>	PALM	9	9	4, 4, 4		63.62	Good	65%		REMOVE	YES	63.62
78	Pygmy Date Palm	<u>Phoenix robelenii</u>	PALM	9	9	4, 4, 3		63.62	Good	65%		REMOVE	YES	63.62
79	Pygmy Date Palm	<u>Phoenix robelenii</u>	PALM	9	9	5, 4, 3		63.62	Good	65%		REMOVE	YES	63.62
80	Pygmy Date Palm	<u>Phoenix robelenii</u>	PALM	9	9	5, 4, 2		63.62	Good	65%		REMOVE	YES	63.62
81	Royal Palm	<u>Roystonea regia</u>	PALM	41.4	16	14.25		201.06	Good	65%	YES	RELOCATE		0.00
82	Pygmy Date Palm	<u>Phoenix robelenii</u>	PALM	7.5	5	4.00		19.63	Fair	53%		REMOVE	YES	19.63
83	Royal Palm (double)	<u>Roystonea regia</u>	PALM	49.8	16	16.5, 16.75		201.06	Good	70%	YES	RELOCATE		0.00
84	Royal Palm (double)	<u>Roystonea regia</u>	PALM	43.1	16	14.25, 16.5		201.06	Good	70%	YES	RELOCATE		0.00
85	Royal Palm	<u>Roystonea regia</u>	PALM	51.1	16	17.75		201.06	Good	65%	YES	RELOCATE		0.00
86	Royal Palm	<u>Roystonea regia</u>	PALM	51	16	16.50		201.06	Good	65%	YES	RELOCATE		0.00
87	Royal Palm	<u>Roystonea regia</u>	PALM	47.7	16	17.75		201.06	Good	65%	YES	RELOCATE		0.00
88	Royal Palm	<u>Roystonea regia</u>	PALM	39.8	16	15.50		201.06	Good	65%	YES	RELOCATE		0.00
89	Wild Tamarind	<u>Lysiloma latisiliquum</u>	TREE	26.7	28	13.25		615.75	Fair	53%	YES	RELOCATE		0.00
90	Royal Palm	<u>Roystonea regia</u>	PALM	45.6	16	17.25		201.06	Good	65%	YES	RELOCATE		0.00
91	Royal Palm	<u>Roystonea regia</u>	PALM	39.1	16	19.75	YES	201.06	Good	65%	YES	RELOCATE		0.00
92	Royal Palm	<u>Roystonea regia</u>	PALM	32.4	14	14.25		153.94	Good	65%	YES	RELOCATE		0.00
93	Royal Palm	<u>Roystonea regia</u>	PALM	41.5	14	17.75		153.94	Good	65%	YES	RELOCATE		0.00
94	Royal Palm	<u>Roystonea regia</u>	PALM	41.4	14	15.00		153.94	Good	65%	YES	RELOCATE		0.00
95	Royal Palm	<u>Roystonea regia</u>	PALM	41.2	16	15.75		201.06	Good	65%	YES	RELOCATE		0.00
96	Royal Palm	<u>Roystonea regia</u>	PALM	35	14	19.50	YES	153.94	Good	62%	YES	RELOCATE		0.00
97	Royal Palm	<u>Roystonea regia</u>	PALM	31.3	16	19.75	YES	201.06	Good	65%	YES	RELOCATE		0.00
98	Pink Tabebuia	<u>Tabebuia heterophylla</u>	TREE	12.9	8	4.00		50.27	Good	62%		RELOCATE		0.00
99	Pink Tabebuia	<u>Tabebuia heterophylla</u>	TREE	17.3	8	4.00		50.27	Good	62%		RELOCATE		0.00
100	Royal Palm	<u>Roystonea regia</u>	PALM	44.4	16	19.00	YES	201.06	Good	65%	YES	RELOCATE		0.00

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
101	Pink Tabebuia	<u>Tabebuia heterophylla</u>	TREE	17.3	8	4.00		50.27	Good	62%		RELOCATE		0.00
102	Sabal Palm	<u>Sabal palmetto</u>	PALM	27.7	8	10.50		50.27	Good	62%	YES	RELOCATE		0.00
103	Sabal Palm	<u>Sabal palmetto</u>	PALM	27.7	8	10.50		50.27	Good	62%	YES	RELOCATE		0.00
104	Royal Palm	<u>Roystonea regia</u>	PALM	45.8	16	17.00		201.06	Good	65%	YES	PROTECT		0.00
105	Sabal Palm	<u>Sabal palmetto</u>	PALM	27.8	8	10.50		50.27	Good	62%	YES	RELOCATE		0.00
106	Royal Palm	<u>Roystonea regia</u>	PALM	48.5	16	21.00	YES	201.06	Good	65%	YES	PROTECT		0.00
107	Sabal Palm	<u>Sabal palmetto</u>	PALM	26	8	9.50		50.27	Good	65%	YES	PROTECT		0.00
108	Sabal Palm	<u>Sabal palmetto</u>	PALM	26	8	9.50		50.27	Good	65%	YES	PROTECT		0.00
109	Sabal Palm	<u>Sabal palmetto</u>	PALM	26	8	9.50		50.27	Good	65%	YES	RELOCATE		0.00
110	Sabal Palm	<u>Sabal palmetto</u>	PALM	31.8	8	9.50		50.27	Good	62%	YES	PROTECT		0.00
111	Sabal Palm	<u>Sabal palmetto</u>	PALM	31.1	8	9.50		50.27	Good	62%	YES	RELOCATE		0.00
112	Sabal Palm	<u>Sabal palmetto</u>	PALM	23.2	8	11.75		50.27	Good	65%	YES	RELOCATE		0.00
113	Orange Geiger	<u>Cordia sebestena</u>	TREE	16.3	10	4.00		78.54	Fair	60%	YES	RELOCATE		0.00
114	Orange Geiger	<u>Cordia sebestena</u>	TREE	16.1	10	4.00		78.54	Good	65%	YES	RELOCATE		0.00
115	Orange Geiger	<u>Cordia sebestena</u>	TREE	16	8	4.00		50.27	Good	65%	YES	RELOCATE		0.00
116	Green Buttonwood	<u>Conocarpus erectus</u>	TREE	22.3	28	11.00		615.75	Fair	53%	YES	PROTECT		0.00
117	Orange Geiger	<u>Cordia sebestena</u>	TREE	12	8	3.00		50.27	Good	62%	YES	RELOCATE		0.00
118	Pigeon Plum	<u>Coccoloba diversifolia</u>	TREE	16	14	6.50		153.94	Good	70%	YES	PROTECT		0.00
119	Royal Palm	<u>Roystonea regia</u>	PALM	51.1	16	17.50		201.06	Good	65%	YES	PROTECT		0.00
120	Pygmy Date Palm	<u>Phoenix robelenii</u>	PALM	7	9	5, 4, 4		63.62	Good	65%		PROTECT		0.00
121	Pygmy Date Palm	<u>Phoenix robelenii</u>	PALM	8	9	5, 5, 5		63.62	Good	65%		PROTECT		0.00
142	Montgomery Palm	<u>Veitchia arecina</u>	PALM	34.5	6	5.00		28.27	Fair	53%		REMOVE	YES	28.27
143	Montgomery Palm	<u>Veitchia arecina</u>	PALM	34.5	6	5.00		28.27	Fair	53%		REMOVE	YES	28.27
150	Black Olive	<u>Bucida buceras</u>	TREE	31.4	36	16.75		1,017.88	Fair	58%		PROTECT		0.00
151	Bottlebrush	<u>Callistemon sp.</u>	TREE	25.2	24	21.50	YES	452.39	Fair	47%		REMOVE	YES	904.78
152	Bottlebrush	<u>Callistemon sp.</u>	TREE	23*7	25	18.25	YES	490.87	Fair	47%		REMOVE	YES	981.75
153	Bottlebrush	<u>Callistemon sp.</u>	TREE	26.5	25	25.75	YES	490.87	Fair	44%		REMOVE	YES	981.75
156	Live Oak	<u>Quercus virginiana</u>	TREE	21.7	28	8.75		615.75	Good	63%	YES	RELOCATE		0.00
157	Black Olive	<u>Bucida buceras</u>	TREE	22.8	30	17.00		706.86	Fair	53%		REMOVE	YES	706.86
158	Black Olive	<u>Bucida buceras</u>	TREE	22.8	28	13.25		615.75	Fair	53%		REMOVE	YES	615.75
159	Royal Palm	<u>Roystonea regia</u>	PALM	37.2	13	16.50		132.73	Fair	60%	YES	RELOCATE		0.00
160	Royal Palm	<u>Roystonea regia</u>	PALM	35.7	13	16.00		132.73	Fair	60%	YES	RELOCATE		0.00
161	Wild Tamarind	<u>Lysiloma latisiliquum</u>	TREE	28.5	24	15.50		452.39	Fair	53%	YES	RELOCATE		0.00
162	Black Olive	<u>Bucida buceras</u>	TREE	24.8	36	19.50	YES	1,017.88	Fair	52%		PROTECT		0.00
163	Live Oak	<u>Quercus virginiana</u>	TREE	21.4	14	7.00		153.94	Fair	60%	YES	PROTECT		0.00
164	Black Olive	<u>Bucida buceras</u>	TREE	28	42	15.75		1,385.44	Fair	55%		REMOVE	YES	1,385.44
165	Black Olive	<u>Bucida buceras</u>	TREE	30.7	44	20.00	YES	1,520.53	Fair	55%		REMOVE	YES	1,520.53
166	Wild Tamarind	<u>Lysiloma latisiliquum</u>	TREE	19.8	20	12.50		314.16	Fair	54%	YES	RELOCATE		0.00
167	Wild Tamarind	<u>Lysiloma latisiliquum</u>	TREE	20.6	16	12.50		201.06	Fair	54%	YES	RELOCATE		0.00
168	Royal Palm	<u>Roystonea regia</u>	PALM	37.4	16	18.00		201.06	Fair	60%	YES	RELOCATE		0.00
169	Royal Palm	<u>Roystonea regia</u>	PALM	37.4	16	19.50	YES	201.06	Fair	60%	YES	RELOCATE		0.00
170	Royal Palm	<u>Roystonea regia</u>	PALM	47.7	16	15.75		201.06	Fair	60%	YES	RELOCATE		0.00
171	Royal Palm	<u>Roystonea regia</u>	PALM	42.1	16	15.75		201.06	Fair	60%	YES	RELOCATE		0.00
172	Wild Tamarind	<u>Lysiloma latisiliquum</u>	TREE	25.7	22	17.75		380.13	Fair	54%	YES	RELOCATE		0.00
173	Live Oak	<u>Quercus virginiana</u>	TREE	23.2	15	8.25		176.71	Good	63%	YES	PROTECT		0.00
174	Live Oak	<u>Quercus virginiana</u>	TREE	28.1	17	11.00		226.98	Good	63%	YES	RELOCATE		0.00
175	Black Olive	<u>Bucida buceras</u>	TREE	26	44	33.00	YES	1,520.53	Fair	55%		PROTECT		0.00
176	Wild Tamarind	<u>Lysiloma latisiliquum</u>	TREE	13.5	15	6.00		176.71	Fair	60%	YES	RELOCATE		0.00
177	Wild Tamarind	<u>Lysiloma latisiliquum</u>	TREE	22.4	20	13.00		314.16	Fair	54%	YES	RELOCATE		0.00
178	Royal Palm	<u>Roystonea regia</u>	PALM	50.2	16	19.00	YES	201.06	Good	65%	YES	RELOCATE		0.00

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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 latissiliquum</i>	TREE	18.1	15	8.00		176.71	Fair	58%	YES	RELOCATE		0.00
183	Wild Tamarind	<i>Lysiloma latissiliquum</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

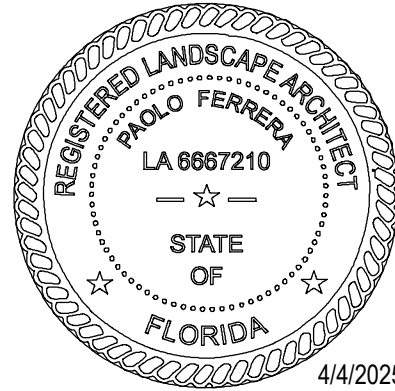


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CERTIFICATE OF AUTHORIZATION NO. 4270

SEAL / SIGNATURE:



THIS ITEM HAS BEEN DIGITALLY SIGNED
AND SEALED BY PAOLO FERRERA, RLA.
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. 35-3020-012-0020/0020

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

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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. OWNERS 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 KEMP, 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.

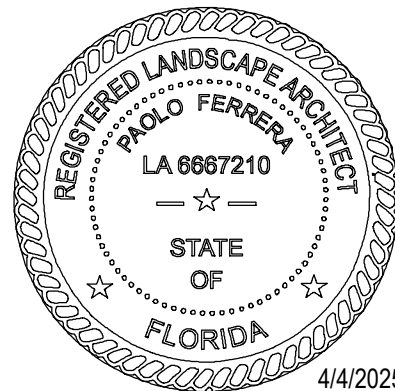


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FOR THE FIRM : PAOLO FERRERA
LA 6667210

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

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4/4/2025 5:07 PM



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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

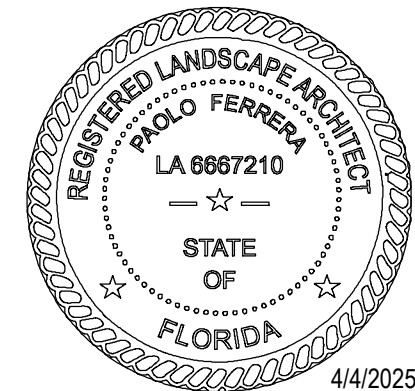


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SHEET TITLE:

PLANTING PLAN

SHEET NUMBER:



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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
OPEN SPACE	REQUIRED	PROVIDED
A. Square feet of open space required by Chapter 33, as indicated on site plan: Net lot area = 458,046 square feet x 17.0% = 77,867 SF	77,867 SF	77,877 SF
B. Square feet of parking lot open space required by Chapter 18A, as indicated on site plan: The number of parking spaces 445 x 10 square feet per parking space =	N/A	N/A
C. Total square feet of landscaped open space required by Chapter 33 = A + B =	77,867 SF	77,877 SF
LAWN AREA CALCULATION		
A. Total square feet of landscaped open space required by Chapter 33 =	82,317 SF	
B. Maximum lawn area (St. Augustine sod) permitted = N/A % x N/A square feet =	N/A	N/A
TREES		
A. The number of trees required per net lot acre less the existing number of trees that meet minimum requirements = 22 trees x net lot acreage = 22 X 10.515 AC = 232 TREES	(minus) 232 TREES 40 (EXIST.) 192 TREES	88 (ON-SITE) 111
B. 30% palm trees allowed (one palm = one tree) Palms provided = 82 (EXIST.) + 24 (NEW) = 106	70	70
C. Percentage of native trees required = the number of trees provided x 30% =	14	14
D. Street trees (max. average spacing of 35' o.c.): 505.28 linear feet along street + 35 =		5
Palms as street trees (max. average spacing 25' o.c.): 346.77 linear feet along street + 25 =		
E. Street trees located directly beneath power lines (maximum average spacing of 25' o.c.):		
346.77 linear feet along street + 25 = 14 TOTAL TREES/PALMS	14	9
F. Total number of trees provided =	260	262
SHRUBS		
A. The total number of trees required x 10 = the number of shrubs required	2,600	2,600
B. The number of shrubs required x 30% = the number of native shrubs required	780	780
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 REORDERM, 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	ACOELORRHAPHE 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	CONOCARPUS ERECTUS GREEN BUTTOWOOD 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 CLUSIA 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 SIMPSON'S 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.
 - 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.

33,800 SF

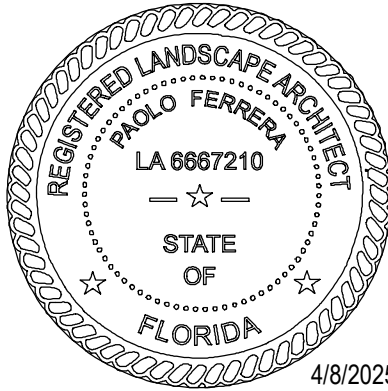


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CERTIFICATE OF AUTHORIZATION NO. 4270

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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

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:



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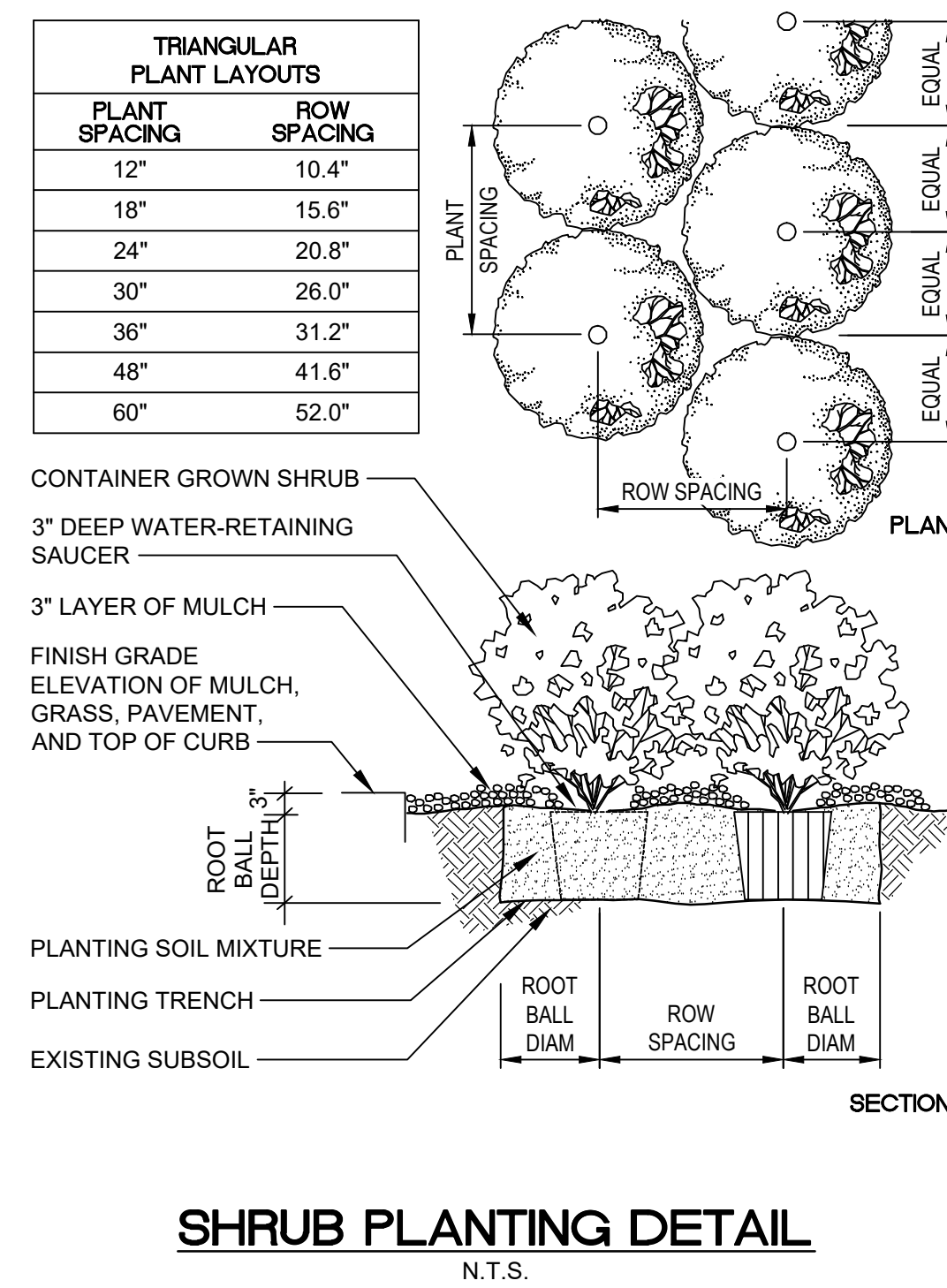
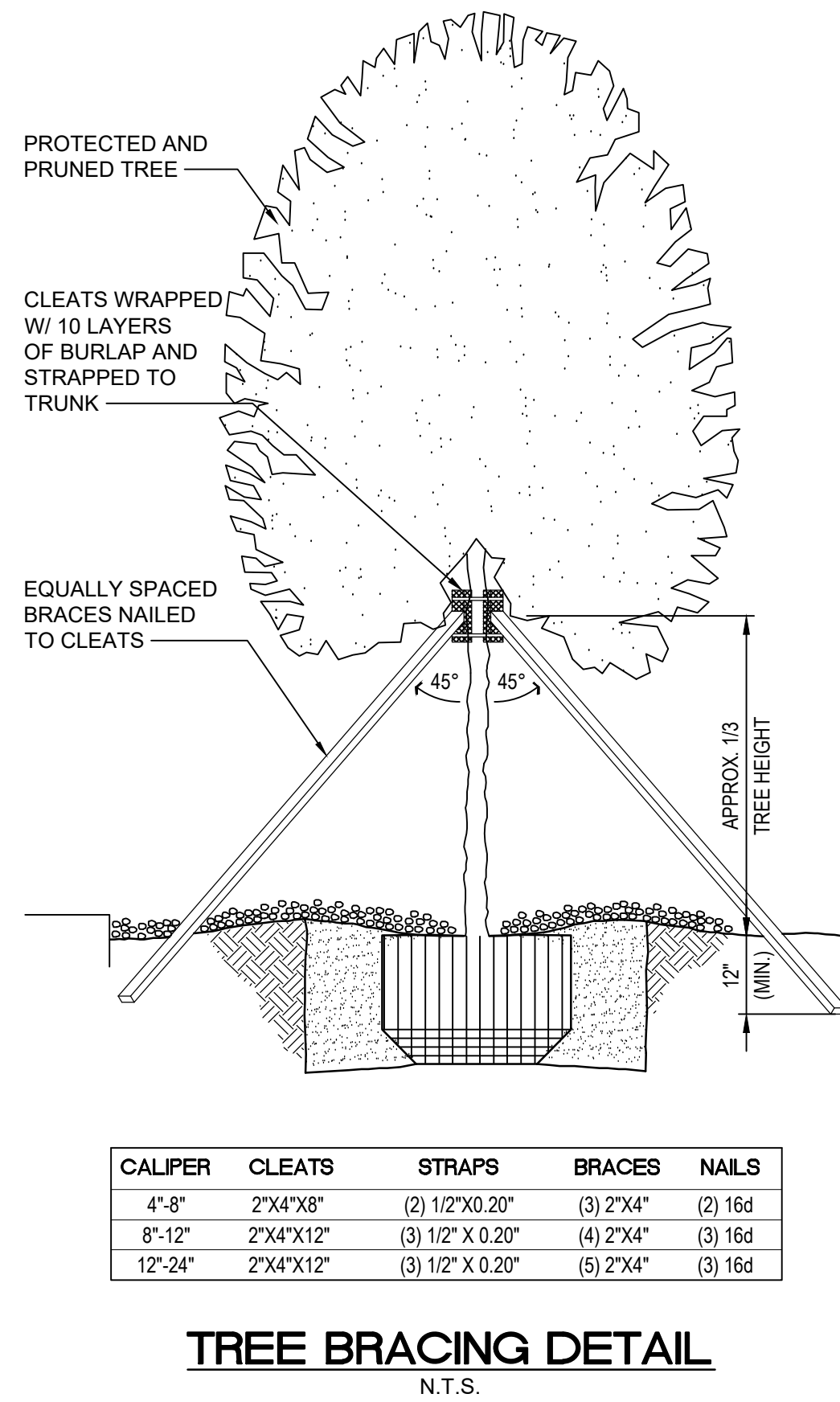
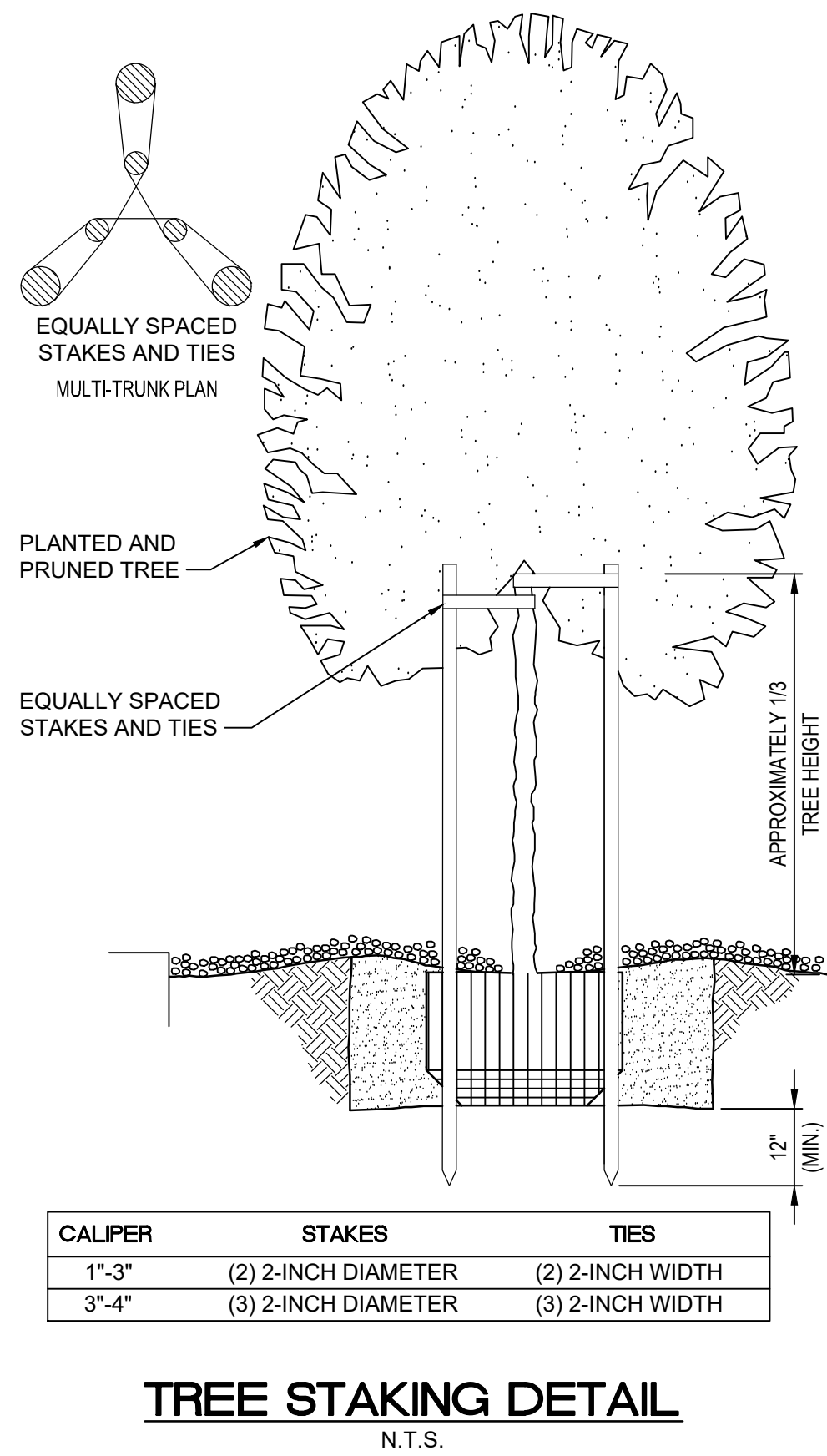
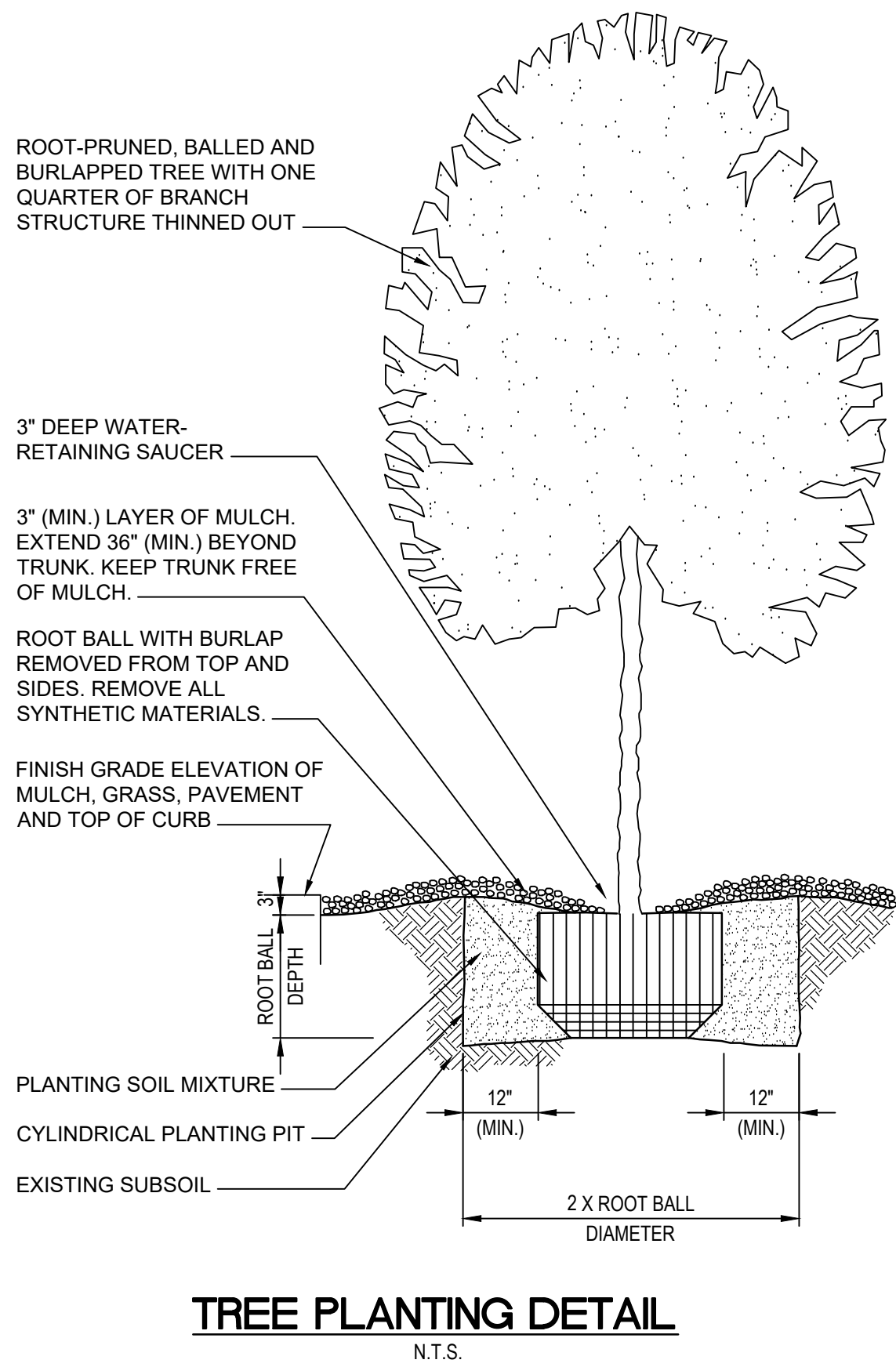
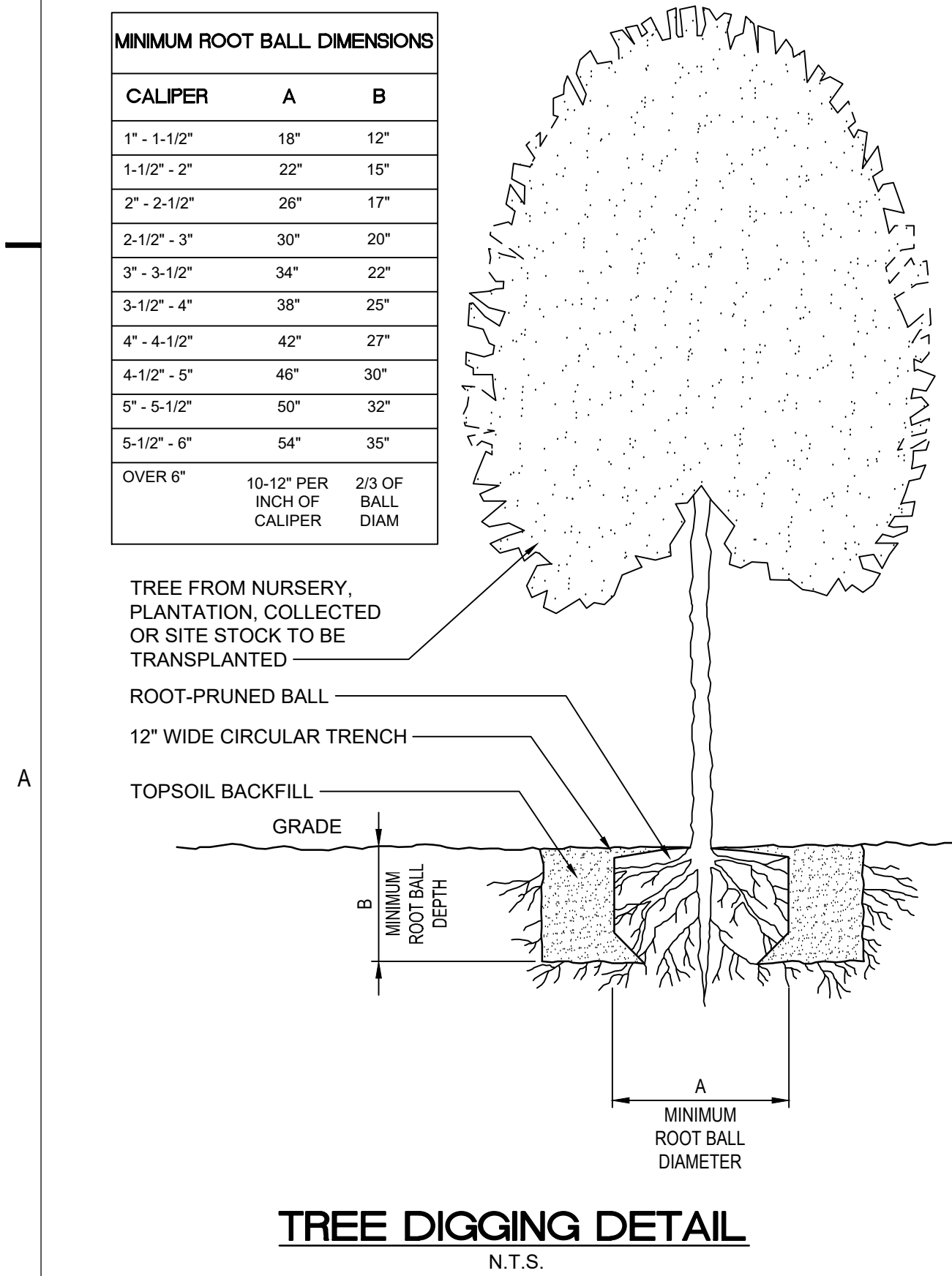
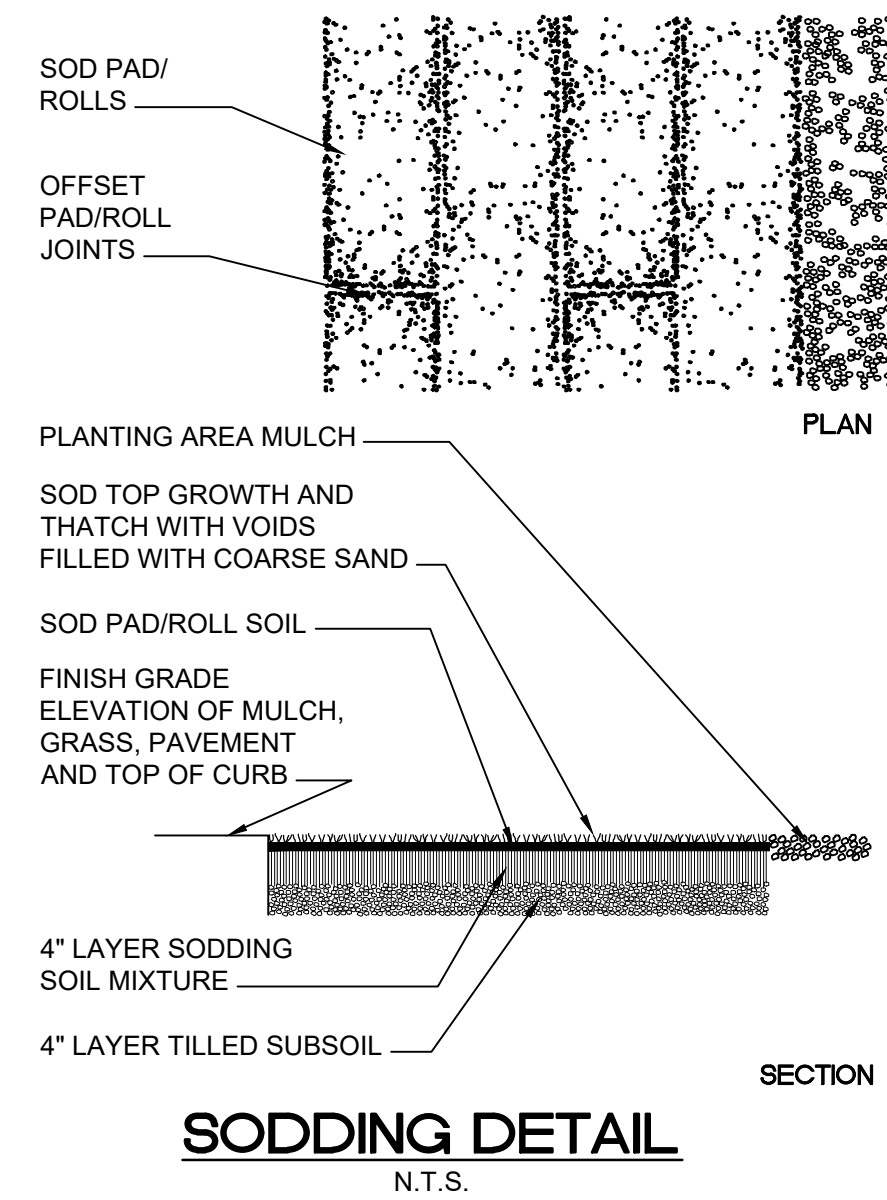
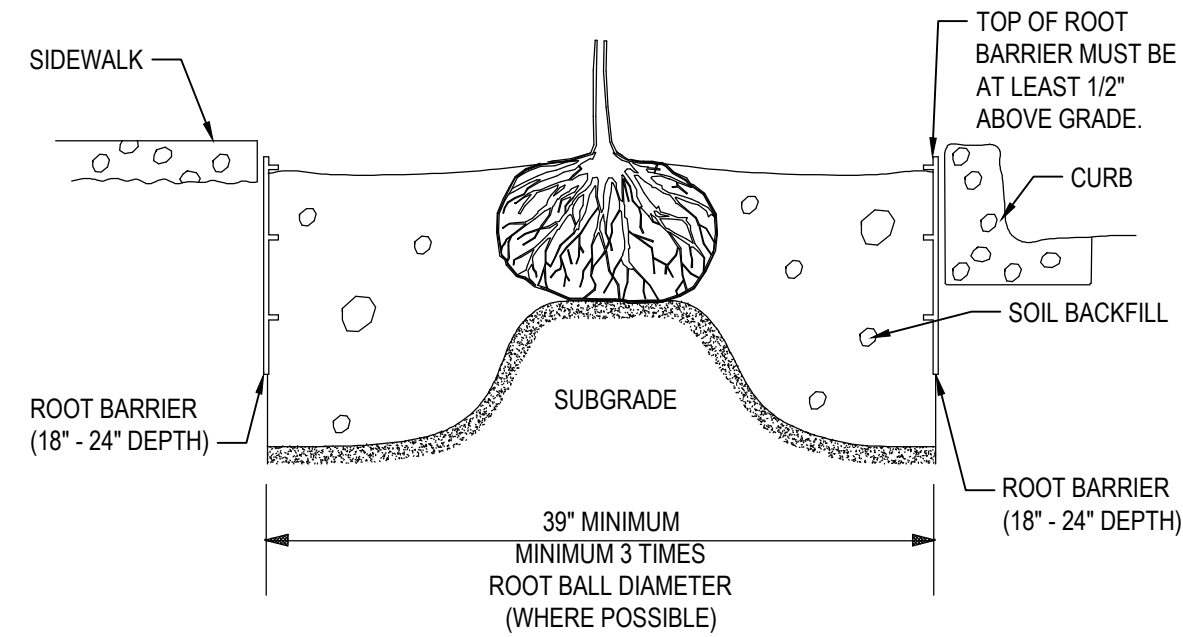
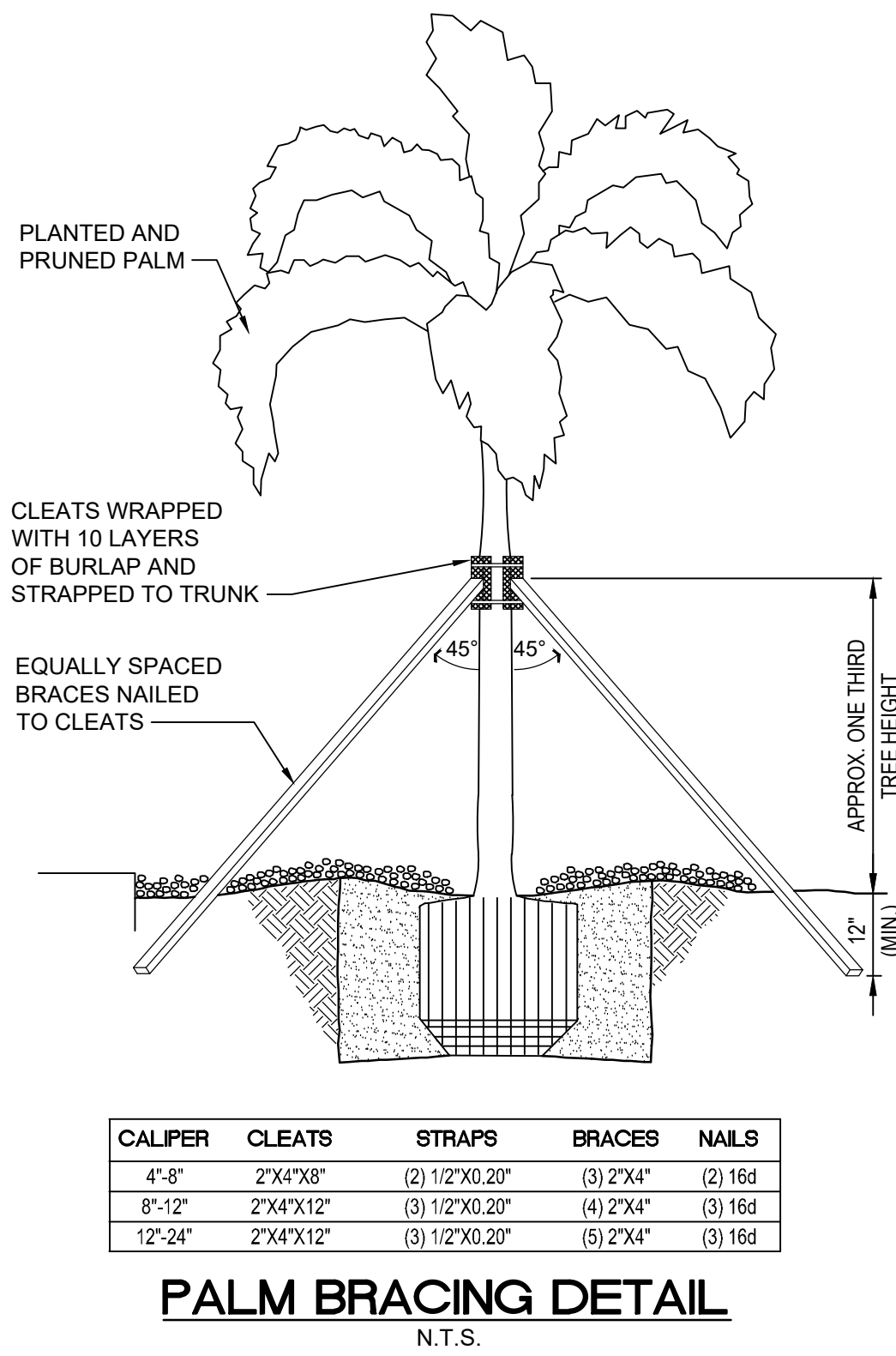
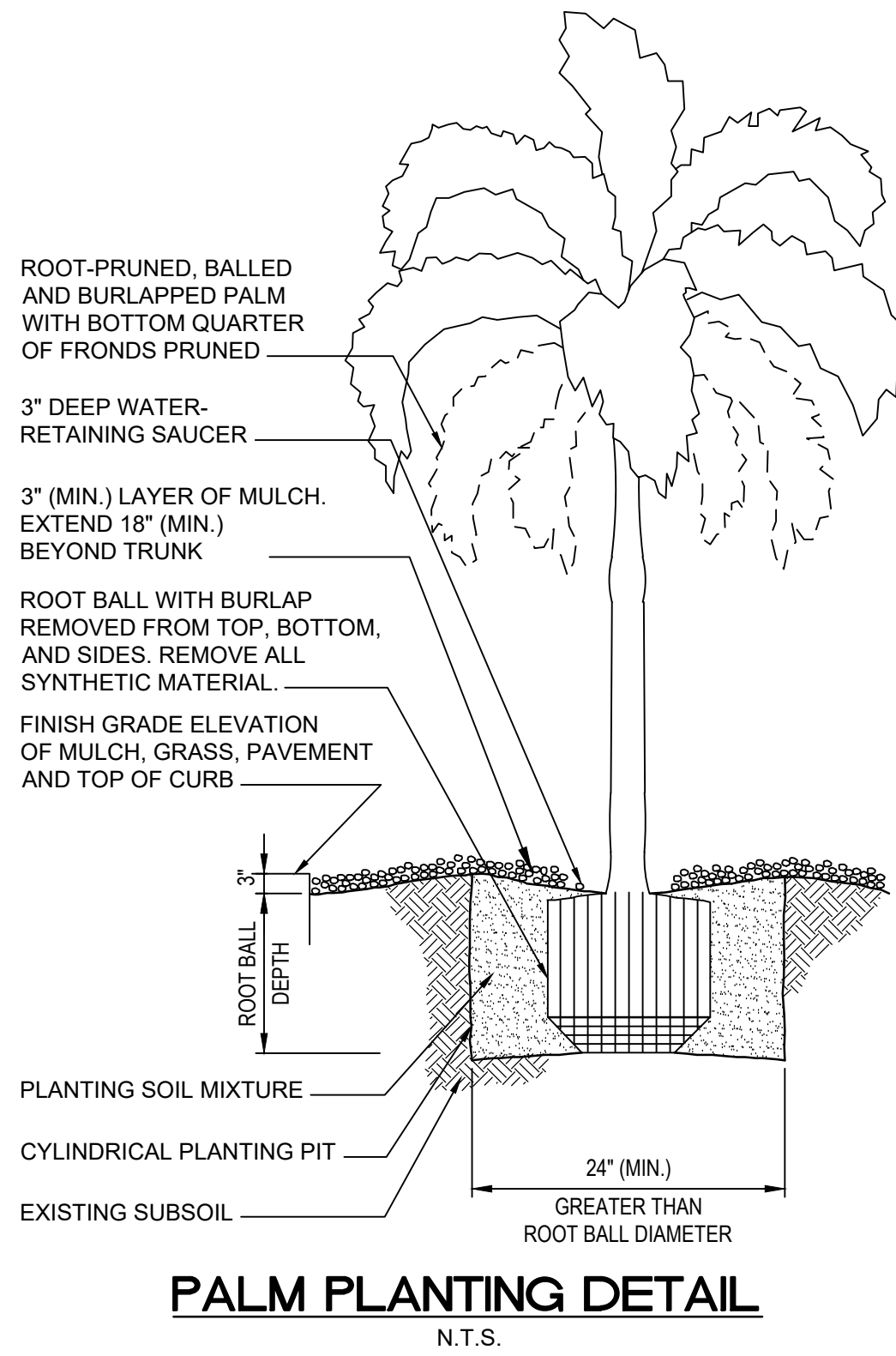
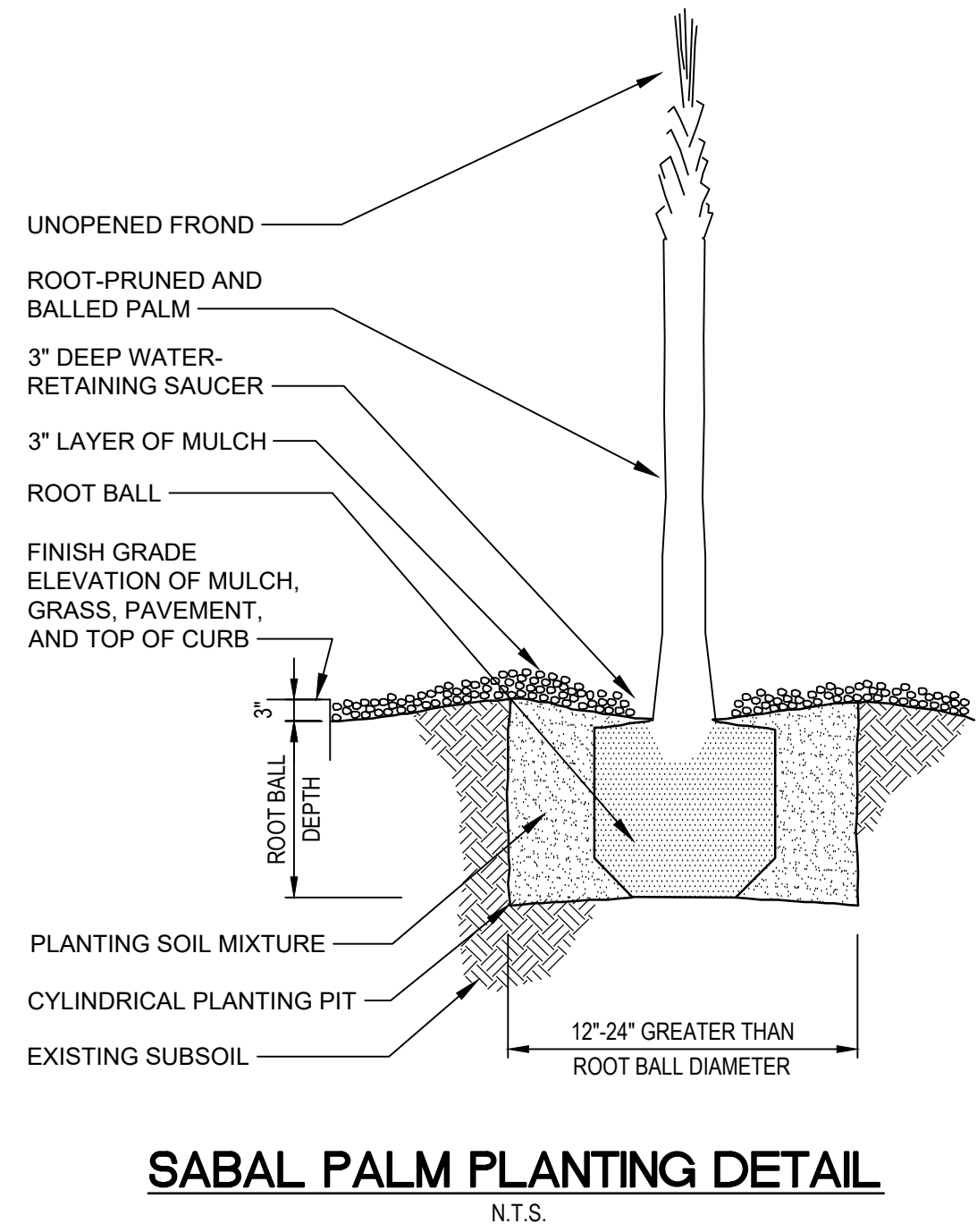
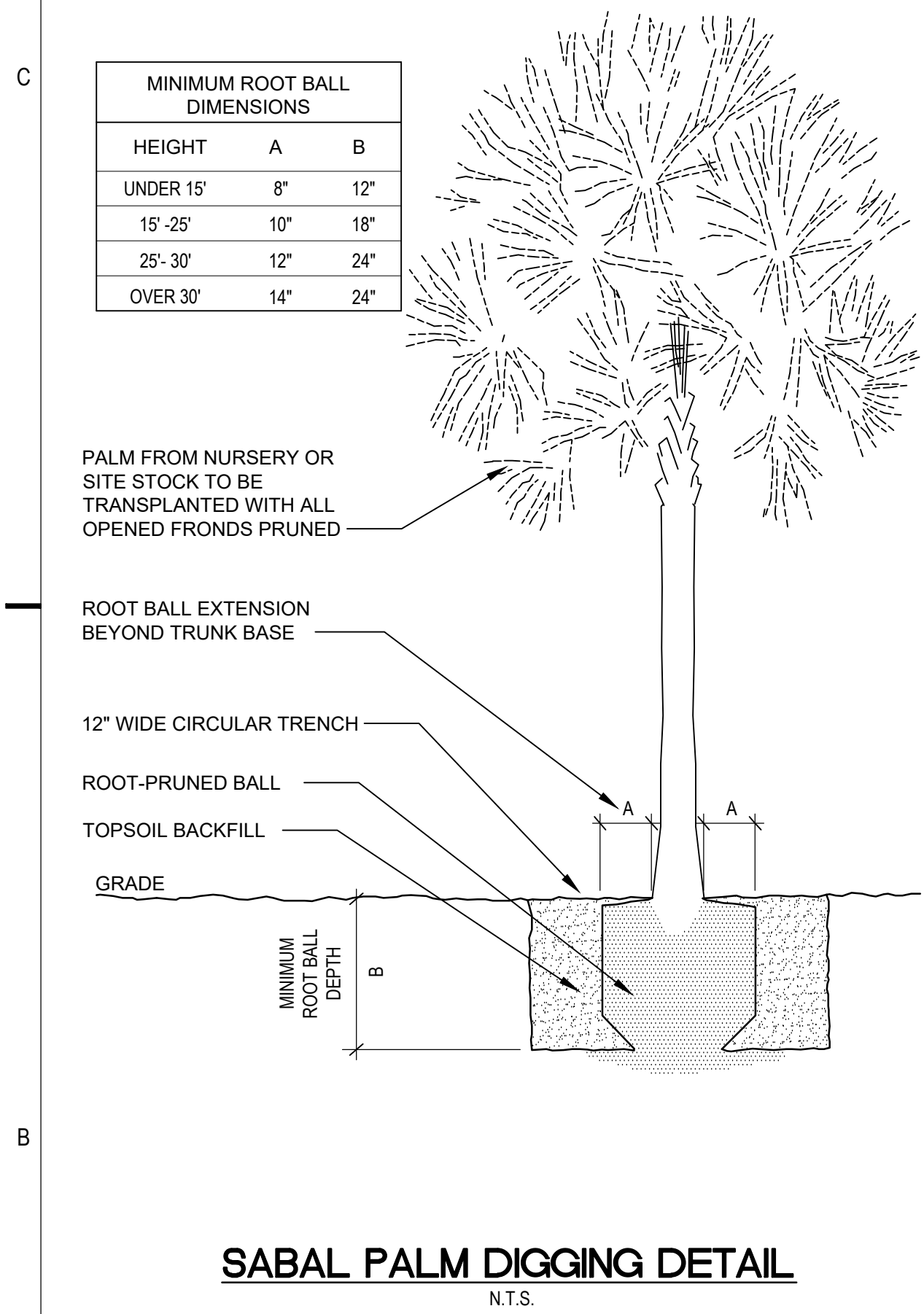
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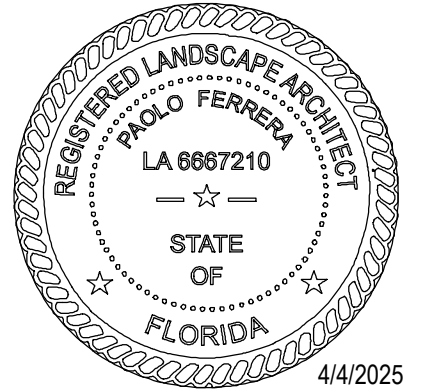


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SECTION 32 93 00 PLANTS

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. SUBMIT PLANT SAMPLES AND CULTIVAR CERTIFICATES ISSUED BY NURSERY.
- C. SUBMIT CERTIFIED ANALYSES FOR TOPSOIL, SAND, AND FERTILIZERS. SUBMIT LABORATORY ANALYSIS RESULTS FOR PH AND CATIONIC EXCHANGE RATE TESTS FOR TOPSOIL AND SAND. PROVIDE TESTS AND ANALYSES CONDUCTED BY RECOGNIZED LABORATORY OR MANUFACTURER IN ACCORDANCE WITH METHODS ESTABLISHED BY THE ASSOCIATION OF OFFICIAL AGRICULTURE CHEMISTS.
- 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. CORRELATE SCHEDULE WITH SPECIFIED MAINTENANCE PERIOD TO PROVIDE MAINTENANCE FROM DATE OF SUBSTANTIAL COMPLETION FOR PLANTING. ONCE SCHEDULE IS REVIEWED, REVISE DATES ONLY AS ACCEPTED IN WRITING, AFTER DOCUMENTATION OF REASONS FOR DELAYS.
- F. SUBMIT TYPEWRITTEN INSTRUCTIONS RECOMMENDING MAINTENANCE PROCEDURES TO BE ESTABLISHED BY OWNER FOR MAINTENANCE OF PLANTS FOR ONE FULL YEAR. SUBMIT INSTRUCTIONS PRIOR TO EXPIRATION OF REQUIRED MAINTENANCE PERIOD.

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, FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, SOUTH FLORIDA WATER MANAGEMENT DISTRICT, AND MIAMI-DADE COUNTY.
- 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, UNLESS SITE, COLLECTED, OR PLANTATION STOCK IS INDICATED. PROVIDE PLANTS GROWN IN CLIMATE, SOIL, AND WATER CONDITIONS SIMILAR TO PROJECT SITE CONDITIONS.
- 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. LABEL AT LEAST ONE SAMPLE OF EACH PLANT TYPE WITH A SECURELY ATTACHED WATERPROOF TAG BEARING LEGIBLE DESIGNATION OF COMMON NAME AND BOTANICAL NAME, INCLUDING CULTIVAR.
- 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, AND TO REJECT UNSATISFACTORY OR DEFECTIVE MATERIAL AT ANY TIME DURING PROGRESS OF WORK. REMOVE REJECTED PLANTS PROMPTLY FROM PROJECT SITE.
- 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. DO NOT TIE, BEND, OR LIFT PLANTS IN SUCH MANNER AS TO DESTROY NATURAL SHAPE, BREAK BRANCHES, OR DAMAGE BARK OR ROOTBALL. PROVIDE PROTECTIVE COVERING DURING DELIVERY. DO NOT DROP PLANTS DURING DELIVERY.
- D. DELIVER FIELD-GROWN PLANTS AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED. PLANT IMMEDIATELY. IF PLANTING IS DELAYED MORE THAN 6 HOURS AFTER DELIVERY, SET PLANTS IN SHADE, PROTECT FROM WEATHER, PREVENT MECHANICAL DAMAGE, AND KEEP ROOTS MOIST WITH MULCH OR BURLAP. DO NOT REMOVE CONTAINER-GROWN STOCK FROM CONTAINERS UNTIL PLANTING TIME.

1.06 FIELD CONDITIONS

- A. PROCEED WITH AND COMPLETE PLANTING AS RAPIDLY AS PORTIONS OF PROJECT SITE BECOME AVAILABLE. WORK WITHIN WEATHER LIMITATIONS FOR EACH TYPE OF WORK REQUIRED.
- B. WHEN CONDITIONS DETRIMENTAL TO PLANT GROWTH ARE ENCOUNTERED, SUCH AS FILL, DEBRIS, CONTAMINATION, ADVERSE DRAINAGE CONDITIONS, OR GROUND OR OVERHEAD OBSTRUCTIONS, NOTIFY ARCHITECT BEFORE GRADING AND PLANTING.
- C. PLANT VEGETATION AND INSTALL MATERIALS DURING WEATHER FAVORABLE FOR SUCH WORK. CORRELATE PLANTING AND INSTALLATION WITH SPECIFIED MAINTENANCE PERIOD TO PROVIDE MAINTENANCE FROM DATE OF SUBSTANTIAL COMPLETION FOR PLANTING.
- D. INSTALL PLANTS AFTER FINAL GRADES ARE ESTABLISHED AND PRIOR TO SODDING OF LAWNS, UNLESS OTHERWISE ACCEPTABLE TO ARCHITECT. IF PLANTING OCCURS AFTER SODDING, PROTECT LAWN AREAS AND PROMPTLY REPAIR DAMAGE TO LAWNS RESULTING FROM PLANTING OPERATIONS.

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:

VEGETATION	MEDIUM	MANUFACTURER	MIX	ANALYSIS
PALMS	GROUND	AFEC	6878	08-04-12
TREES, SHRUBS	GROUND	AFEC	1631	06-06-06
HERBS	GROUND	SCOTT'S	OSMOCOTE	14-14-14
- 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, AND WITH MINIMUM ORGANIC MATTER CONTENT OF 85% BY WEIGHT AS DETERMINED BY ASTM D2974, METHOD D.
 - 1. PROVIDE PEAT THAT IS FREE OF NEMATODES, REASONABLY FREE OF SUBSOIL, BRUSH, WEEDS, AND OTHER LITTER, AND FREE OF ROOTS, STUMPS, STONES LARGER THAN 1 INCH IN ANY DIMENSION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO GRASS GROWTH.
- C. SAND: CLEANED, WASHED, NUMBER 70 SILICA SAND, FREE OF SILT, SLUDGE, AND TOXIC MATERIALS, WITH 100 PERCENT OF SAND PASSING A NUMBER 16 SIEVE AND NOT MORE THAN 8 PERCENT PASSING A NUMBER 100 SIEVE.
- 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. PROVIDE DYE-FREE MULCH FROM MELALEUCA, EUCALYPTUS, AUSTRALIAN PINE, OR OTHER NON-OLD GROWTH HARDWOOD.

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. PROVIDE STEEL STRAPS AND HOT-DIP GALVANIZED NAILS.
- 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. INDICATE, BY TEST RESULTS, INFORMATION NECESSARY TO DETERMINE SUITABILITY.

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. LOOSEN HARD SUBSOIL AT BOTTOM OF EXCAVATION. FILL EXCAVATION WITH WATER AND ALLOW PERCOLATING BEFORE PLANTING.

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. BACKFILL WITH NATIVE GROUND TOPSOIL OR WITH PLANTING SOIL MIXTURE IF GROWING MEDIUM IS LIMESTONE.
- B. RELOCATE PLANTS WHEN SUFFICIENT, BUT NOT EXCESSIVE, NEW ROOT GROWTH IS ESTABLISHED TO ASSURE FULL RECOVERY. REPEAT ROOT-PRUNING AS REQUIRED TO CHECK EXCESSIVE ROOT GROWTH.
- 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. DRILLING A HOLE THROUGH THE TRUNK AND PINNING THE TREE SHALL NOT BE AN ACCEPTED METHOD.

3.04 LAYOUT

- A. STAKE INDIVIDUAL PLANTING LOCATIONS AND OUTLINE MULTIPLE PLANTING AREAS. SECURE LANDSCAPE ARCHITECT'S ACCEPTANCE BEFORE START OF PLANTING WORK. MAKE ADJUSTMENTS AS MAY BE REQUIRED.

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:

VEGETATION	PEAT HUMUS	SAND
PALMS	30%	70%
TREES, SHRUBS, HERBS	50%	50%

- B. BEFORE MIXING, SCREEN PEAT HUMUS TO A FRIABLE CONDITION FREE OF ROOTS, PLANTS, SODS, STONES, CLAY LUMPS, AND OTHER EXTRANEOUS MATERIALS HARMFUL OR TOXIC TO PLANT GROWTH. THOROUGHLY MIX TOPSOIL AND AMENDMENTS.

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. REMOVE BURLAP FROM SIDES, BUT NOT FROM BOTTOM, OF ROOTBALLS OF FIELD-GROWN STOCK.
- B. BACKFILL WITH PLANTING SOIL MIXTURE. PLACE MIXTURE IN LIGHTLY COMPACTED LAYERS. WORK AND WATER EACH LAYER TO SETTLE BACKFILL. ELIMINATE VOIDS, AND SATURATE PLANTING SOIL MIXTURE. BACKFILL EXCAVATIONS FLUSH WITH ADJACENT TOPSOIL, ALLOWING FOR NATURAL SETTLEMENT. DISH TOP OF BACKFILL TO RETAIN WATER AND ACCOMMODATE MULCH AROUND PLANTS.
- C. STAKE AND BRACE PALMS AND TREES IMMEDIATELY AFTER PLANTING, AS INDICATED ON DRAWINGS. DO NOT NAIL THROUGH BRACES AND CLEATS INTO PALM TRUNKS.

3.09 MULCHING

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

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, UNLESS OTHERWISE INDICATED. DO NOT CUT TREE TRUNK LEADERS OR UNOPENED PALM FRONDS. REMOVE ONLY DEAD OR INJURED BRANCHES FROM FLOWERING TREES. REMOVE AND REPLACE EXCESSIVELY PRUNED OR MALFORMED PLANTS RESULTING FROM IMPROPER PRUNING.

3.13 ANTIDESICCANT

- A. APPLY ANTIDESICCANT TO TREES AND PALMS USING POWER SPRAY TO PROVIDE AN ADEQUATE FILM OVER TRUNKS, BRANCHES, STEMS, TWIGGS, AND FOLIAGE. IF DECIDUOUS TREES ARE MOVED IN FULL LEAF, SPRAY WITH ANTIDESICCANT AT NURSERY BEFORE MOVING AND AGAIN AFTER 2 WEEKS AFTER PLANTING.

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, BUT FOR NOT LESS THAN 180 DAYS AFTER SUBSTANTIAL COMPLETION OF PLANTING.
- B. MAINTAIN PLANTS BY WATERING, FERTILIZING, WEEDING, TRIMMING, AND OTHER OPERATIONS SUCH AS REGRAIDING AND REPLANTING, AS REQUIRED TO ESTABLISH ACCEPTABLE PLANTS. SPRAY AS REQUIRED TO KEEP PLANTS FREE OF INSECT PESTS AND PLANT DISEASES.
- C. WATER FIELD-GROWN PLANTS DAILY FOR 30 DAYS, EVERY OTHER DAY FOR 150 DAYS, AND WEEKLY THEREAFTER. APPLY 3 GALLONS OF WATER PER CALIPER INCH. DO NOT WATER IF ROOTBALL IS WET ON WATERING DAY.
- 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, OFF PROJECT SITE. DO NOT USE WASTE MATERIAL AS BACKFILL OR IN PLANTING SOIL MIXTURES. BURNING IS NOT PERMITTED ON PROJECT SITE.
- B. REMOVE TEMPORARY SUPPORTS, SUCH AS STAKES, BRACES, CLEATS, STRAPS, AND NAILS, ONCE PLANTS BECOME ESTABLISHED AND SELF-SUPPORTING, BUT NOT SOONER THAN 90 DAYS PER INCH OF TRUNK CALIPER AFTER PLANTING, WHETHER OCCURRING DURING OR AFTER SPECIFIED MAINTENANCE PERIOD.

3.15 CLEANUP AND PROTECTION

- A. KEEP PAVEMENTS CLEAN AND WORK AREA IN AN ORDERLY CONDITION. PROTECT WORK AGAINST DAMAGE DUE TO PLANTING OPERATIONS, OPERATIONS BY OTHERS, AND ACTIONS OF TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR, AND REPLACE DAMAGED WORK AS DIRECTED.

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. REMOVE REJECTED PLANTS AND MATERIALS PROMPTLY FROM PROJECT SITE.

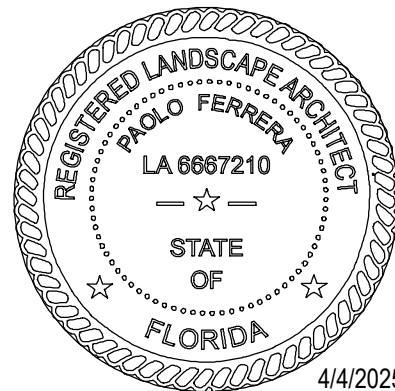


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STORE No. 0031

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.

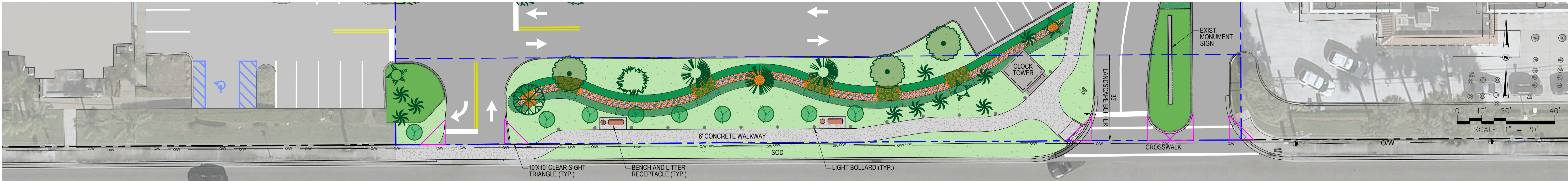
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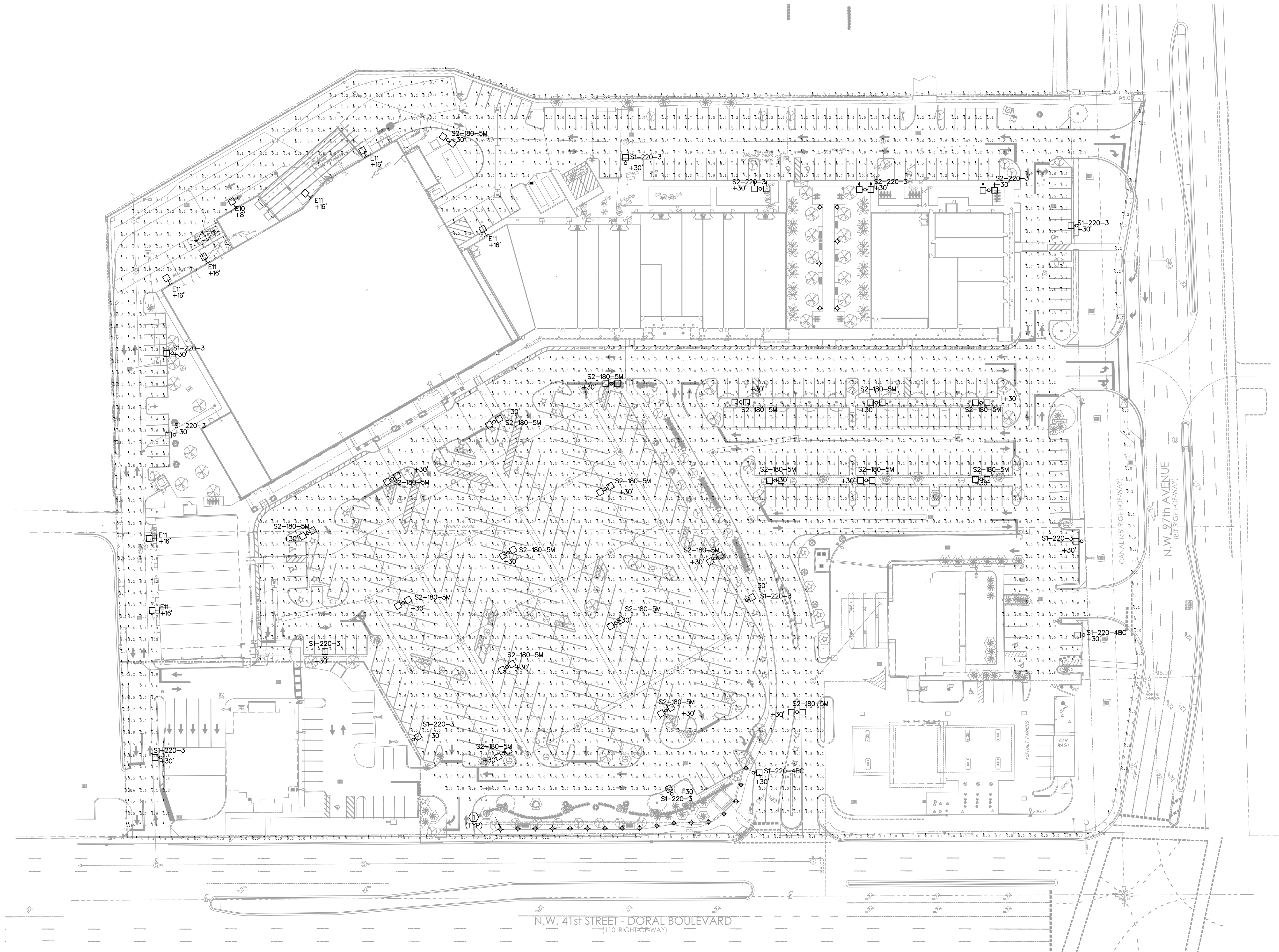
SHEET TITLE:

LANDSCAPE SPECIFICATIONS

SHEET NUMBER:

L-2.3



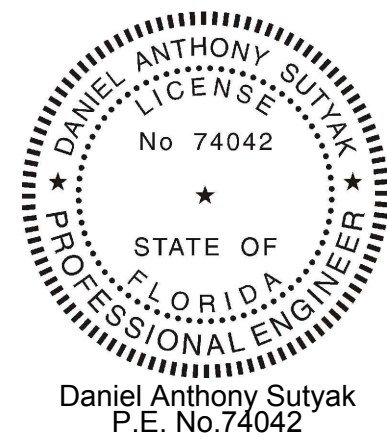


PHOTOMETRIC SITE PLAN
SCALE: 1"=40'-0"

Luminaire Schedule				
Symbol	Tag	LLF	Description	
	S2-220-3	0.900	VP-L-96L-220-4K7-3	
	S1-220-3	0.900	VP-L-96L-220-4K7-3	
	S1-220-4BC	0.900	VP-L-96L-220-4K7-4BC	
	S2-180-5M	0.900	VP-L-80L-180-4K7-5M	
	E10	0.900	TRV-24L-27-4K7-3-U	
	E11	0.900	TRV-60L-136-4K7-3	

Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
Loading Zone	Fc	2.80	12.1	0.1	28.00	121.00
Parking Area	Fc	4.18	8.4	1.0	4.18	8.40
Property Line	Fc	0.61	3.5	0.0	N.A.	N.A.
Security Area	Fc	4.07	10.6	1.0	4.07	10.60

NOTES
1. BOLLARD LIGHT FIXTURE - TYPE CEN100 BY MUNICIPAL LIGHTING.



This form has been digitally signed and sealed by Daniel A. Sutayak, 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.

4750 East Adamo Drive
Tampa, Florida 33605
Tel: 813-241-2525
www.colwillengineering.com
© 2024 ALL RIGHTS RESERVED
Job Number: 58468

PHOTOMETRIC SITE PLAN
SITE SUBMITTAL
DORAL PARK SHOPPING CENTER
9755 NW 41ST STREET
DORAL, FL 33178

FISHER AND ASSOCIATES, LLC.
ARCHITECTS
PLANNERS
INTERIOR DESIGNERS
286 BELLEFLORE CLEWATER, FL 33704 (727) 443-4436

RELEASED FOR:
BID -
PERMIT -
CONSTR. -

REVISIONS:

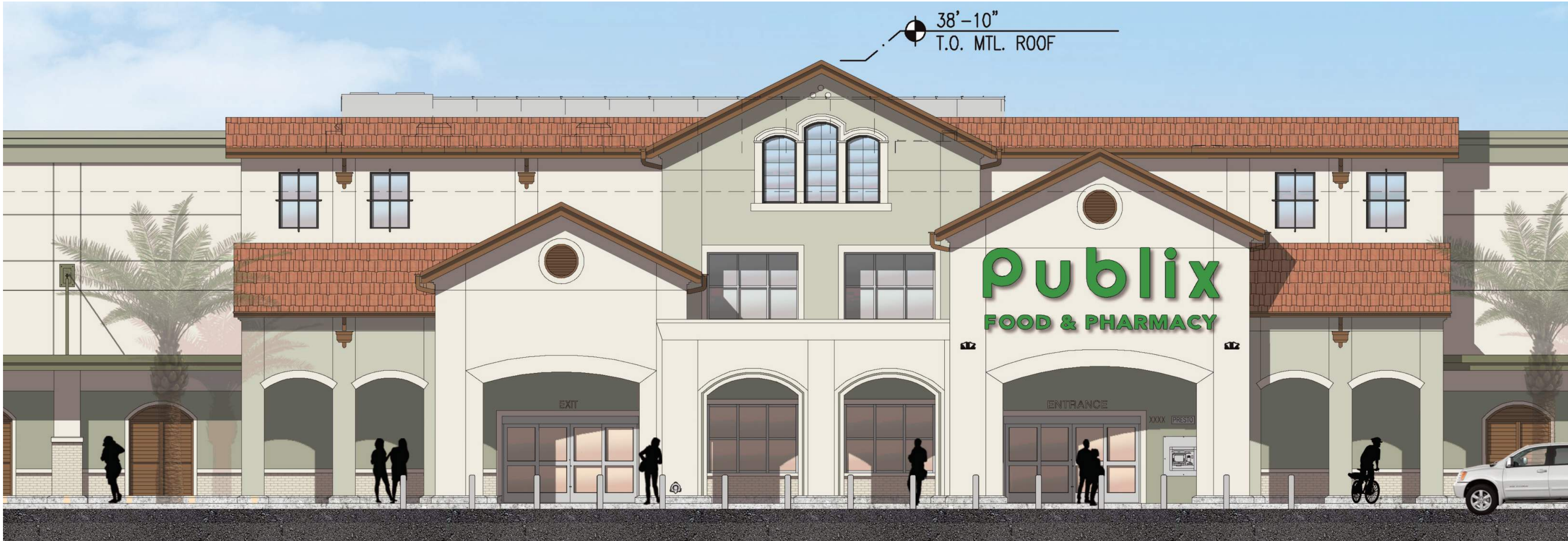
EP10
Issue Date: 04/23/24
Project No.: 224017

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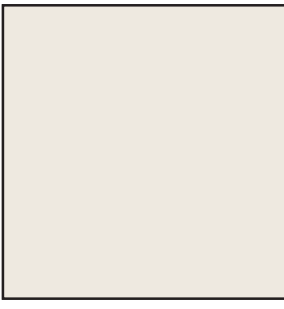
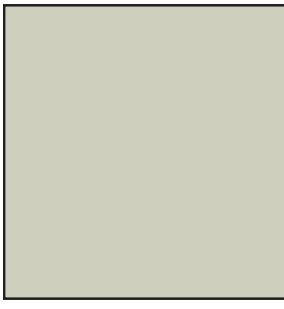
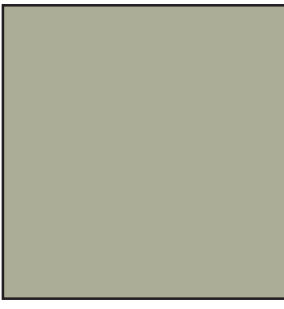
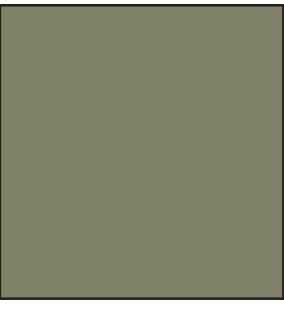
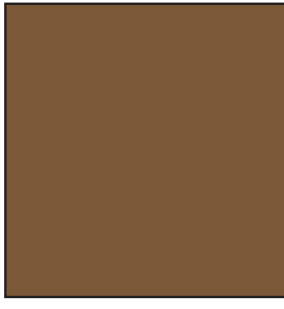
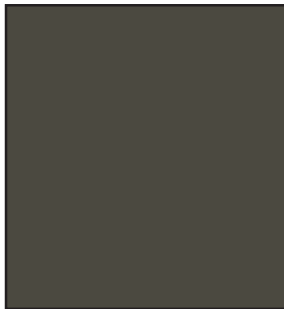
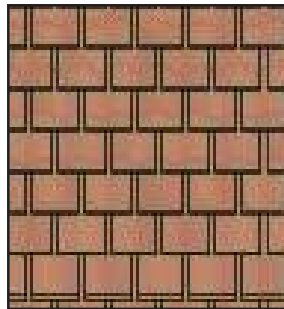


FRONT PUBLIX ELEVATION

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

	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
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DORAL PUBLIX REDEVELOPMENT
DESIGN DEVELOPMENT

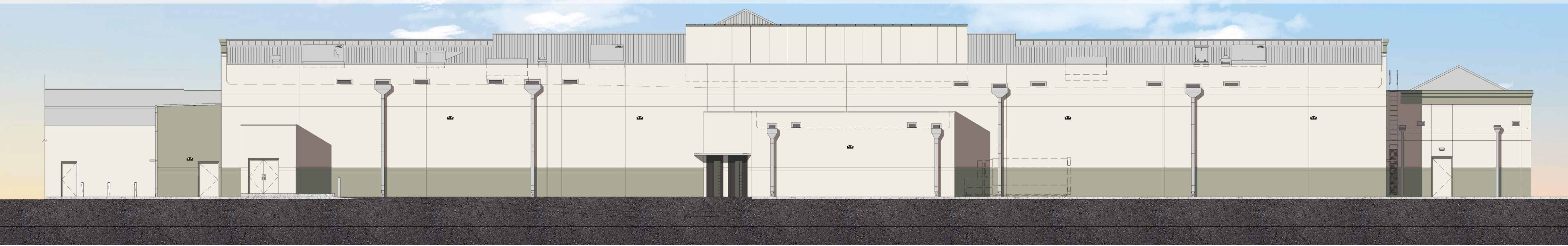
DORAL, FL

04.02.2025

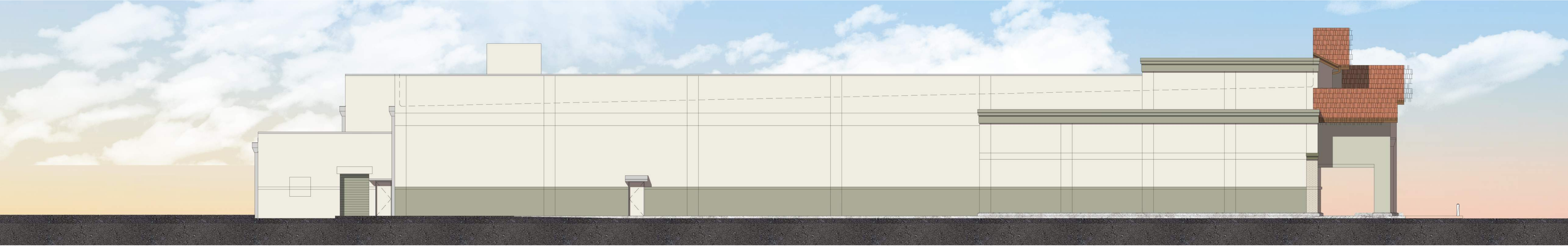




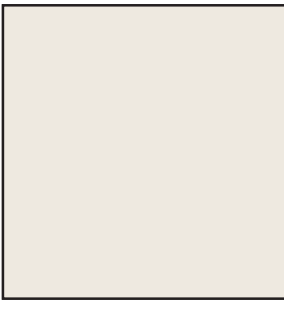
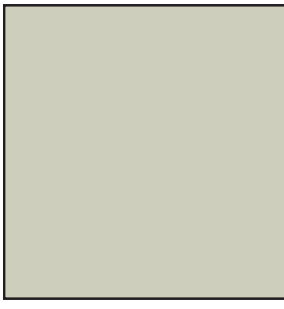
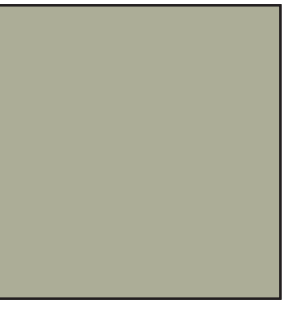
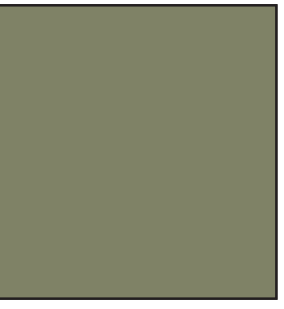
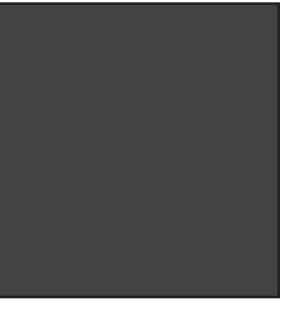
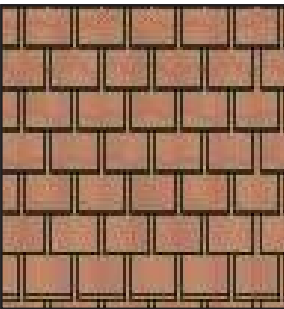
RIGHT SIDE PUBLIX ELEVATION



REAR PUBLIX ELEVATION



LEFT SIDE PUBLIX ELEVATION

	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
---	---------------------------------------	---	---	---	--------------------------------------	--	-------------------------------------	---	---	---	------------------------------------	---	--	---	--	---	---	---	--

DORAL PUBLIX REDEVELOPMENT

DESIGN DEVELOPMENT

DORAL, FL

04.02.2025

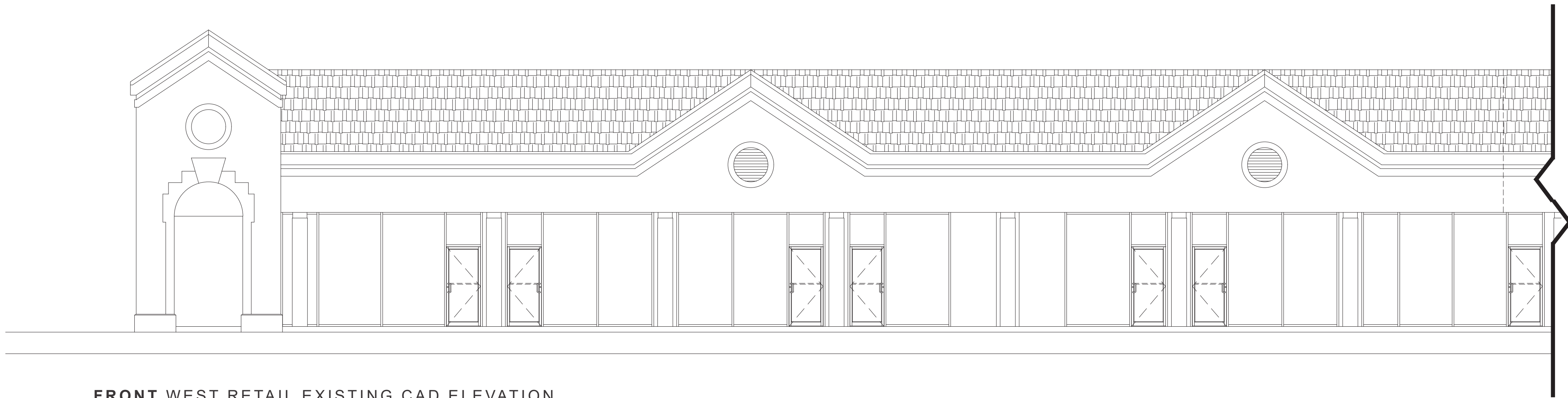




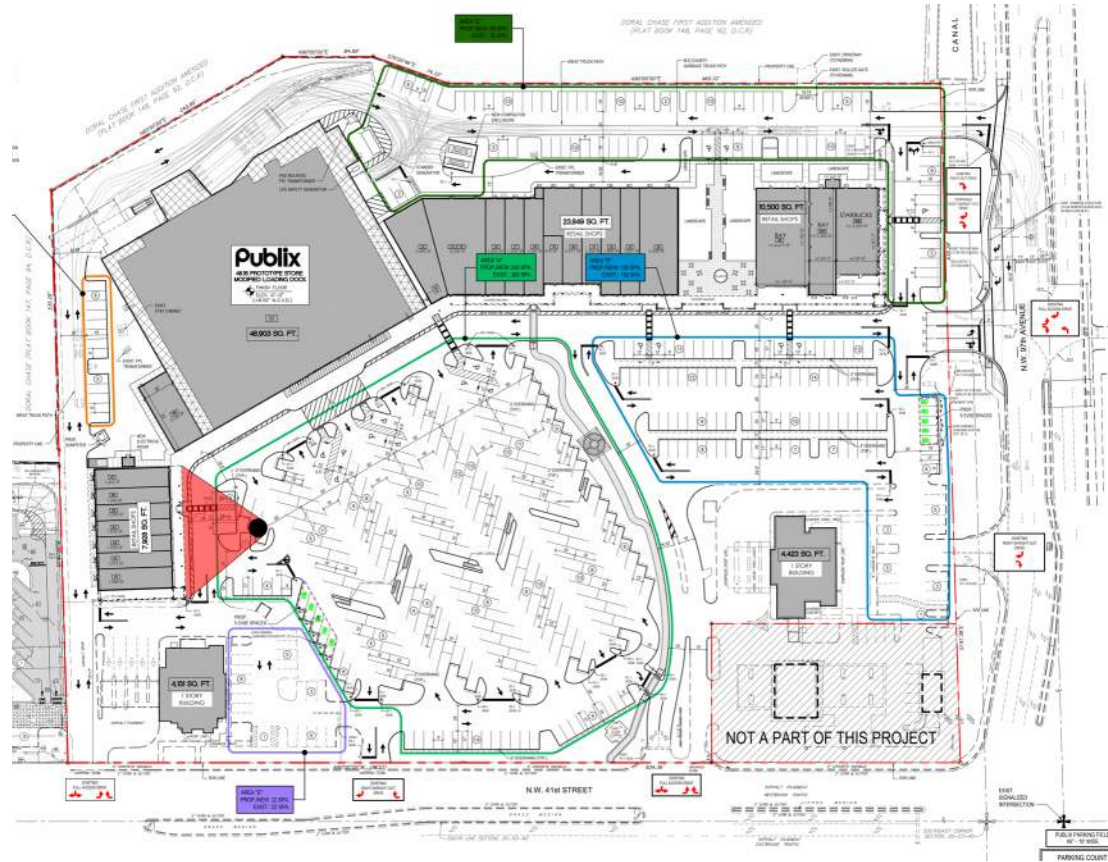
FRONT WEST RETAIL EXISTING ELEVATION



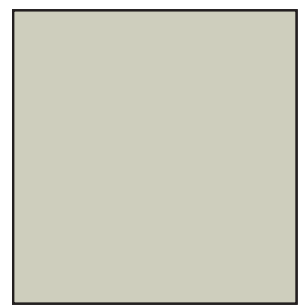
FRONT WEST RETAIL PROPOSED ELEVATION



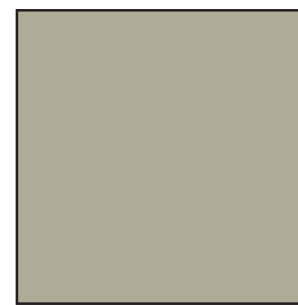
FRONT WEST RETAIL EXISTING CAD ELEVATION



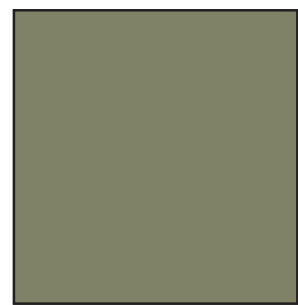
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SW7001
MARSHMALLOW



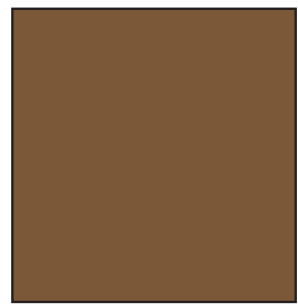
PAINT
SW6176
LIVEABLE
GREEN



PAINT
SW6178
CLARY SAGE



PAINT
SW6179
ARTICHOKE



PAINT
SW9107
UBER
UMBER



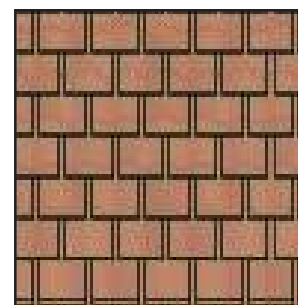
PAINT
SW7069
IRON ORE



METAL (PF1)
PREFINISHED
METAL - CLEAR
ANODIZED



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



**CONCRETE
TILE ROOF**
TO MATCH
EXISTING



BRICK
ACME
GLACIER
WHITE

DORAL PUBLIX REDEVELOPMENT
DESIGN DEVELOPMENT

DORAL, FL

04.02.2025

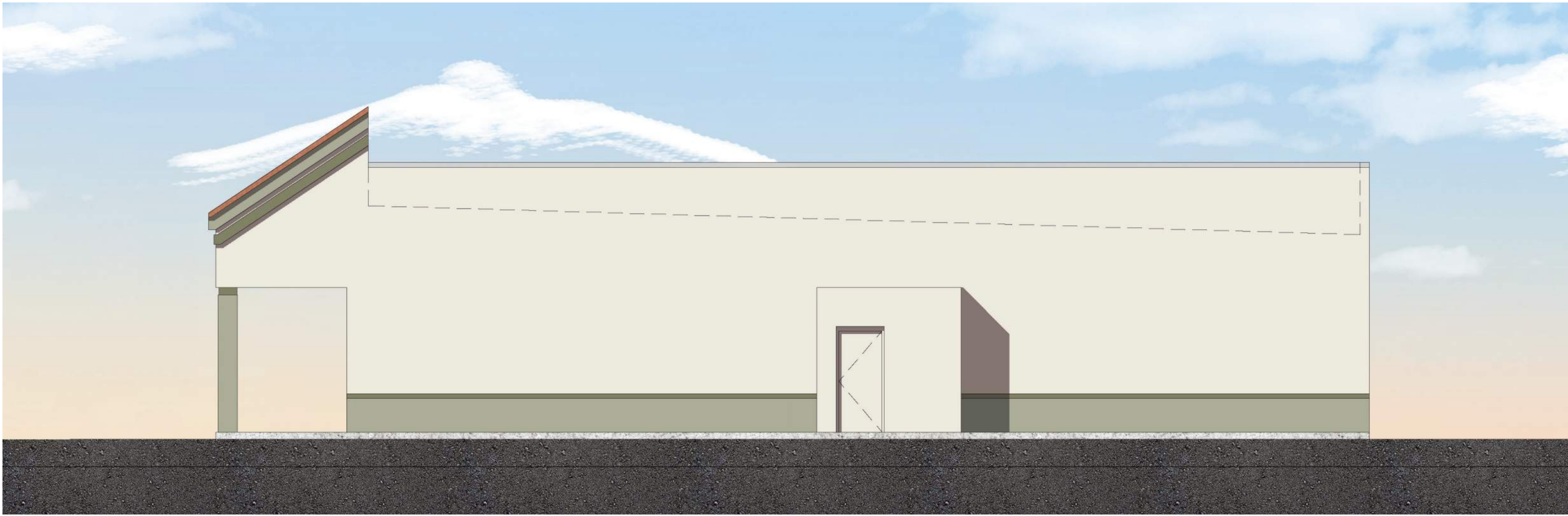




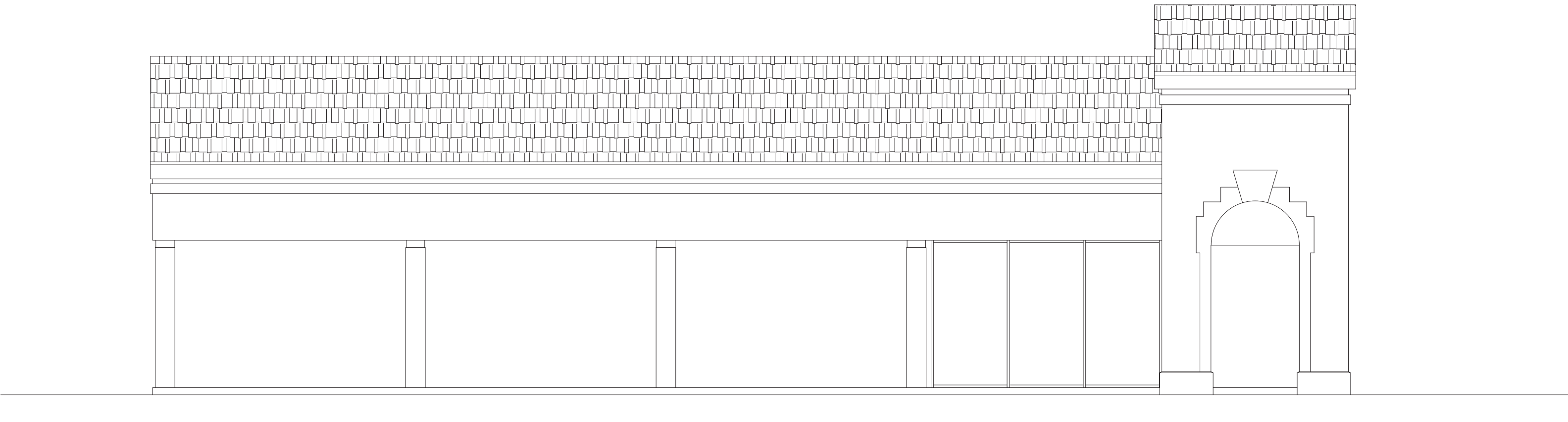
SIDE WEST RETAIL EXISTING ELEVATION



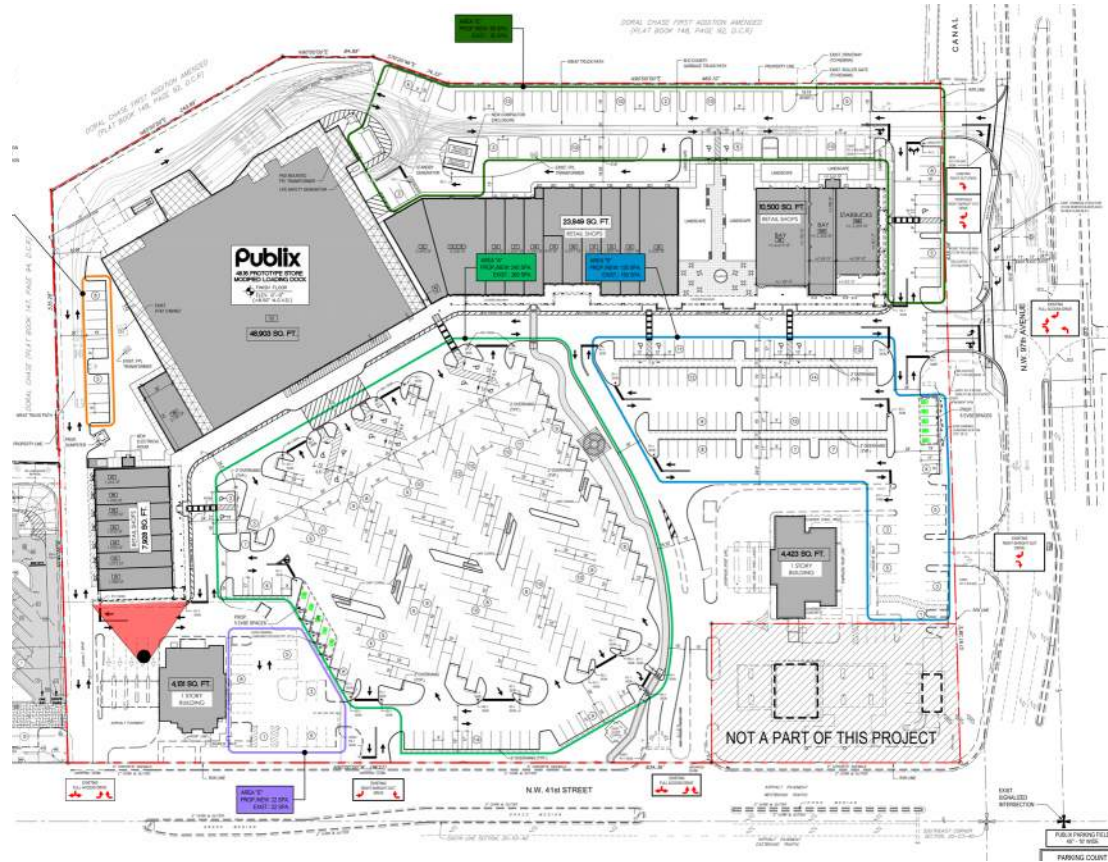
SIDE WEST RETAIL PROPOSED ELEVATION



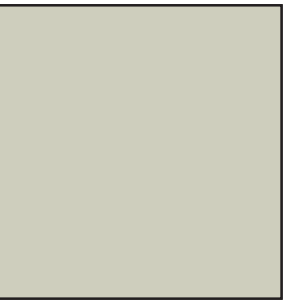
NEW CONSTRUCTION SIDE WEST RETAIL PROPOSED ELEVATION



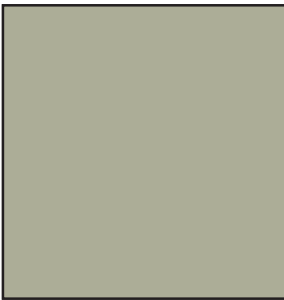
SIDE WEST RETAIL EXISTING CAD ELEVATION



PAINT
SW7001
MARSHMALLOW



PAINT
SW6176
LIVEABLE
GREEN



PAINT
SW6178
CLARY SAGE



PAINT
SW6179
ARTICHOKE



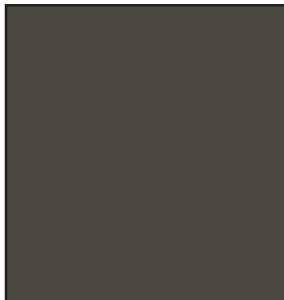
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SW9107
UBER
UMBER



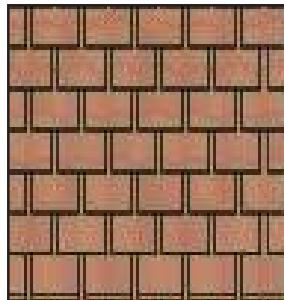
PAINT
SW7069
IRON ORE



METAL (PF1)
PREFINISHED
METAL - CLEAR
ANODIZED



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



**CONCRETE
TILE ROOF**
TO MATCH
EXISTING



BRICK
ACME
GLACIER
WHITE

DORAL PUBLIX REDEVELOPMENT
DESIGN DEVELOPMENT

DORAL, FL

04.02.2025

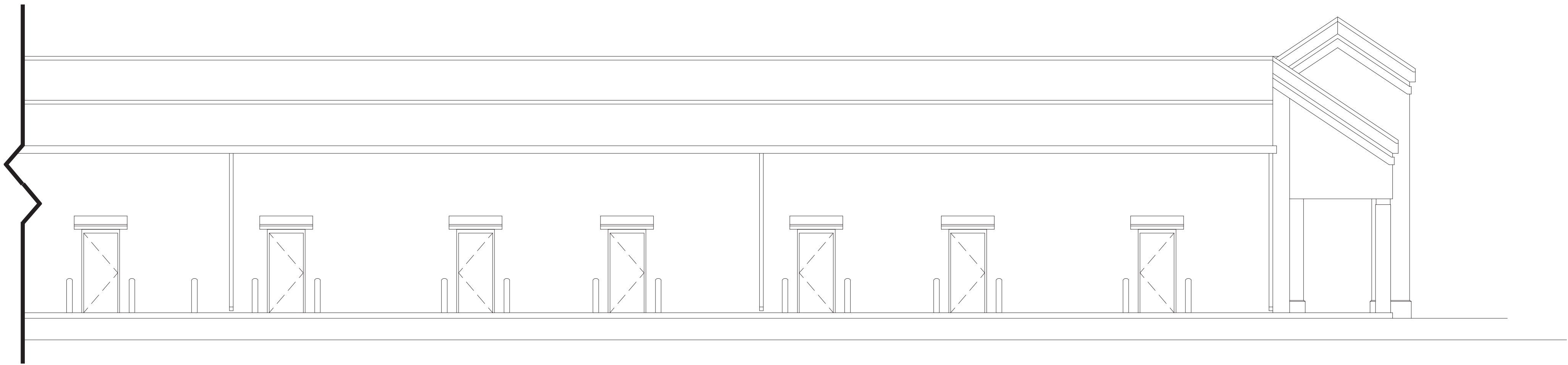




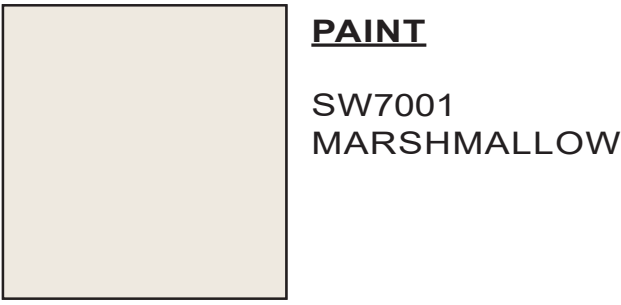
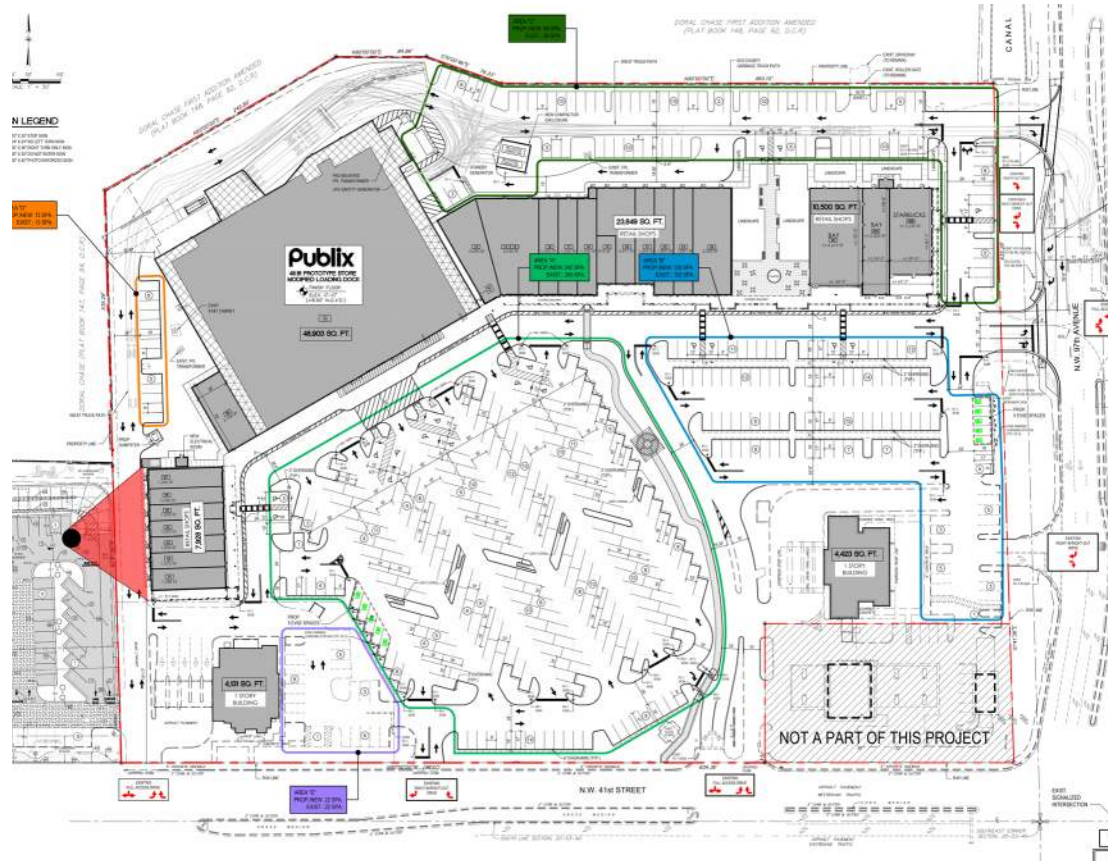
REAR WEST RETAIL EXISTING ELEVATION



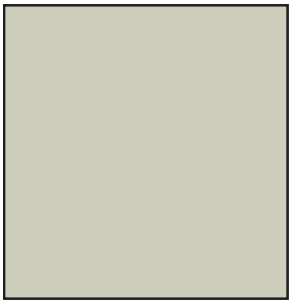
REAR WEST RETAIL PROPOSED ELEVATION



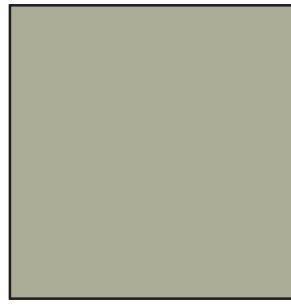
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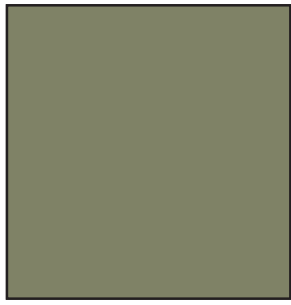
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SW7001
MARSHMALLOW



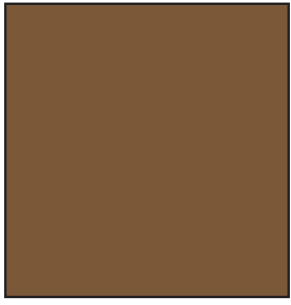
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SW6176
LIVEABLE
GREEN



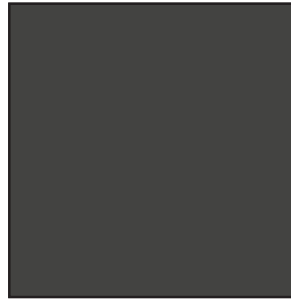
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SW6178
CLARY SAGE



PAINT
SW6179
ARTICHOKE



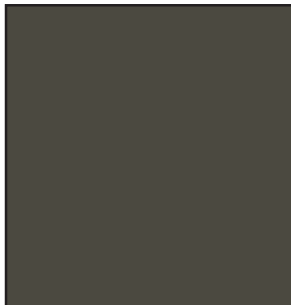
PAINT
SW9107
UBER
UMBER



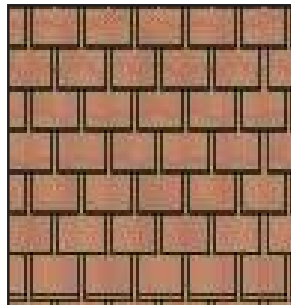
PAINT
SW7069
IRON ORE



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



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

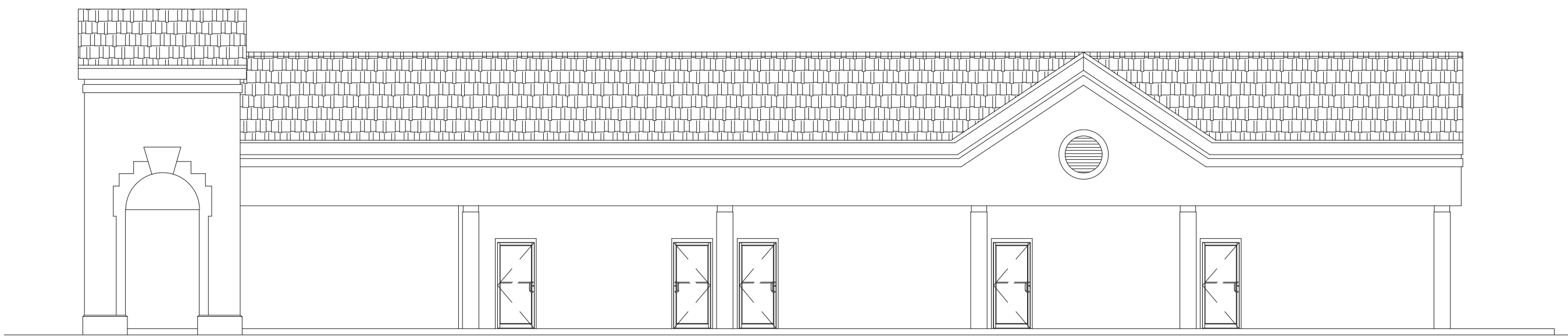
ACME
GLACIER
WHITE



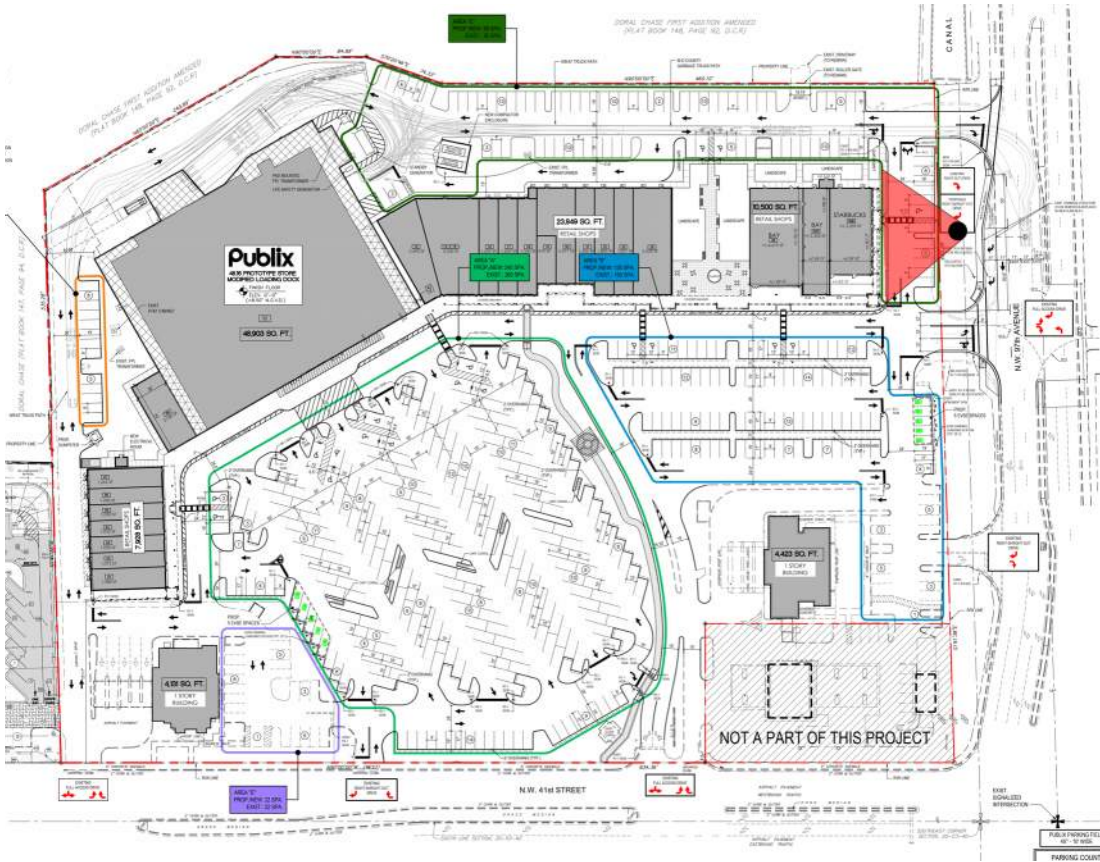
SIDE EAST RETAIL EXISTING ELEVATION



SIDE EAST RETAIL PROPOSED ELEVATION



SIDE EAST 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



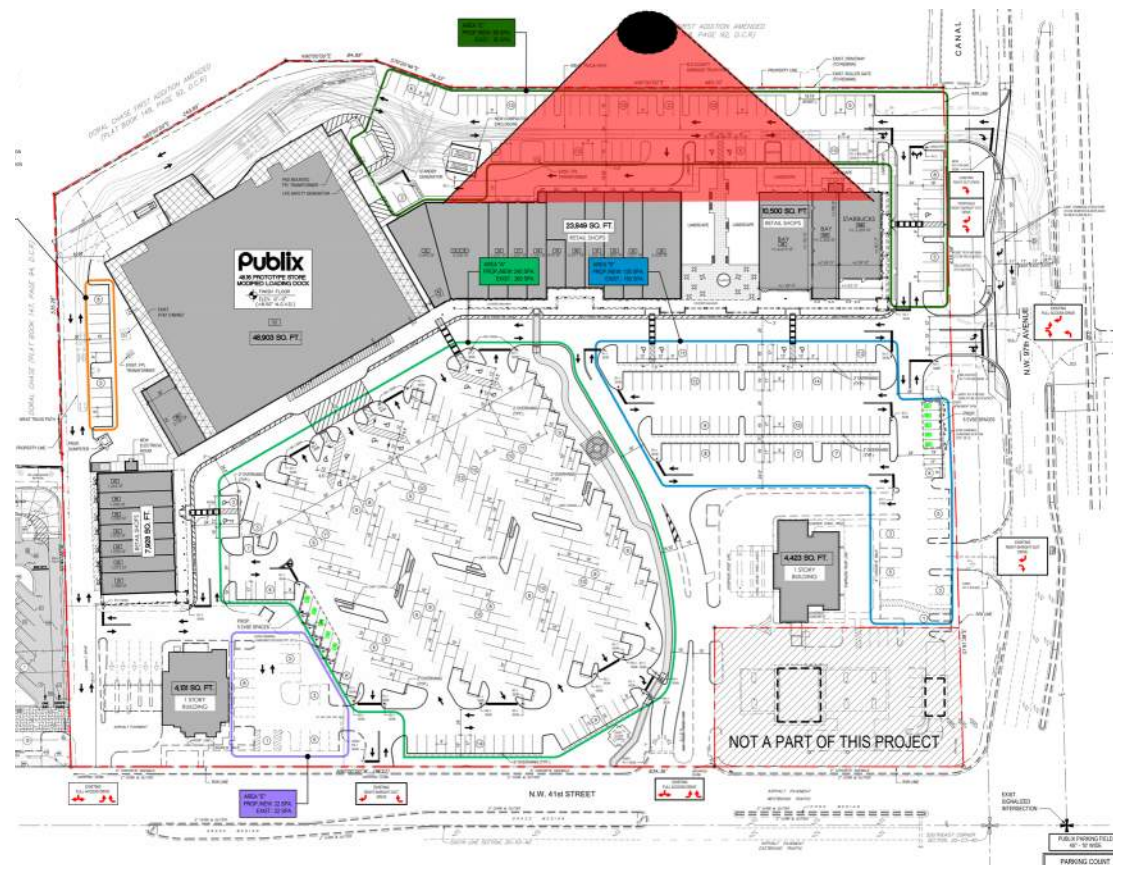
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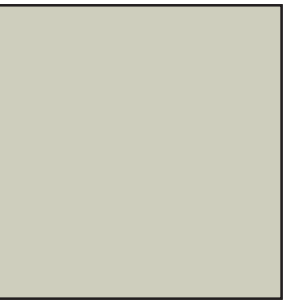
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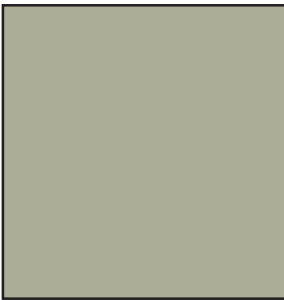
REAR EAST RETAIL EXISTING CAD ELEVATION



PAINT
SW7001
MARSHMALLOW



PAINT
SW6176
LIVEABLE
GREEN



PAINT
SW6178
CLARY SAGE



PAINT
SW6179
ARTICHOKE



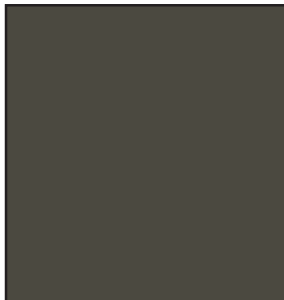
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UBER
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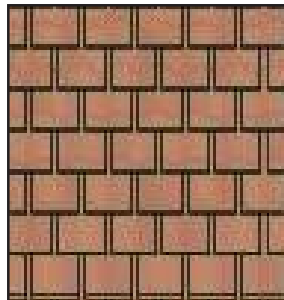
PAINT
SW7069
IRON ORE



METAL (PF1)
PREFINISHED
METAL - CLEAR
ANODIZED



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



**CONCRETE
TILE ROOF**
TO MATCH
EXISTING



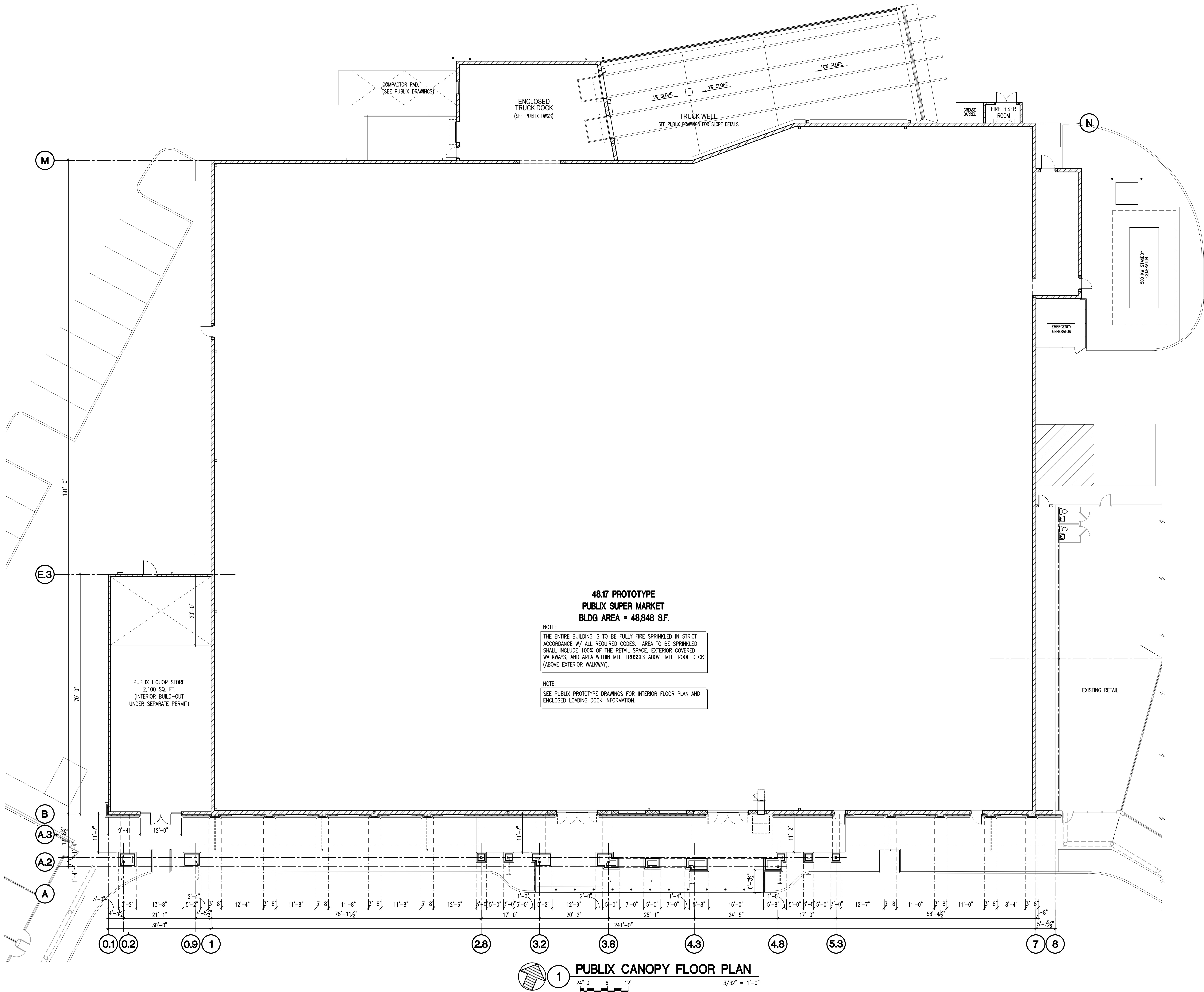
BRICK
ACME
GLACIER
WHITE

DORAL PUBLIX REDEVELOPMENT
DESIGN DEVELOPMENT

DORAL, FL

04.02.2025





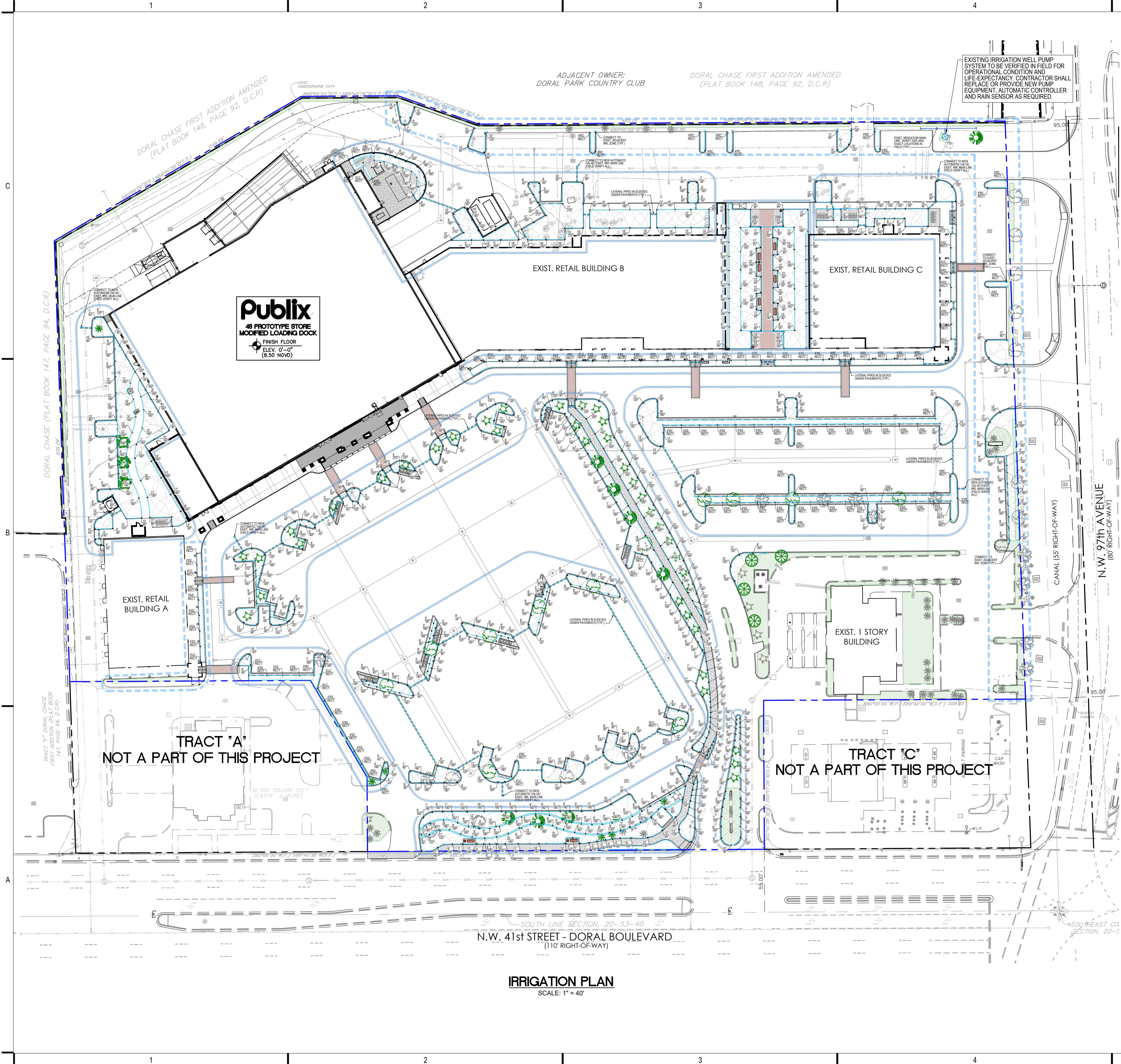
**48.17 PROTOTYPE
PUBLIX SUPER MARKET
BLDG AREA = 48,848 SF.**

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"

X:\MIA\2019\201907049\Design\Latest Drawings (02-25-25)\L-3 IRRIGATION
4/4/2025 5:17 PM



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% IRRIGATION 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

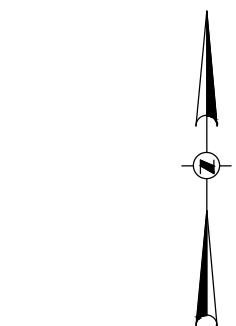
- CONTRACTOR SHALL PROVIDE A NEW/SEPARATE BUBBLER HYDROZONE FOR PROPOSED/RELOCATED ROYAL PALMS IN PARKING ISLANDS.
- NEW BUBBLER HYDROZONE SHALL BE CONNECTED TO EXISTING IRRIGATION MAIN LINE WITH NEW/SEPARATE AUTOMATIC VALVE. DO NOT COMBINE SPRINKLERS AND BUBBLERS TO SAME AUTOMATIC VALVE.
- CONTRACTOR 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 DRIPLINE 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)



0 20' 40' 80'
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!

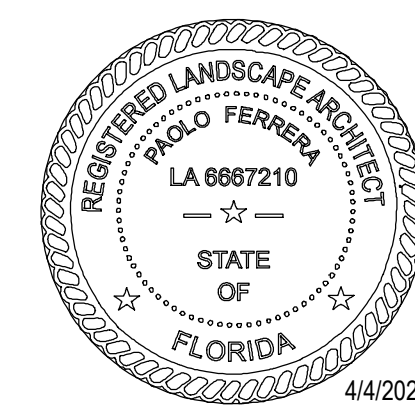


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FOR THE FIRM :

PAOLO FERRERA
LA 6667210

PROJECT TITLE:

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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:

IRRIGATION PLAN

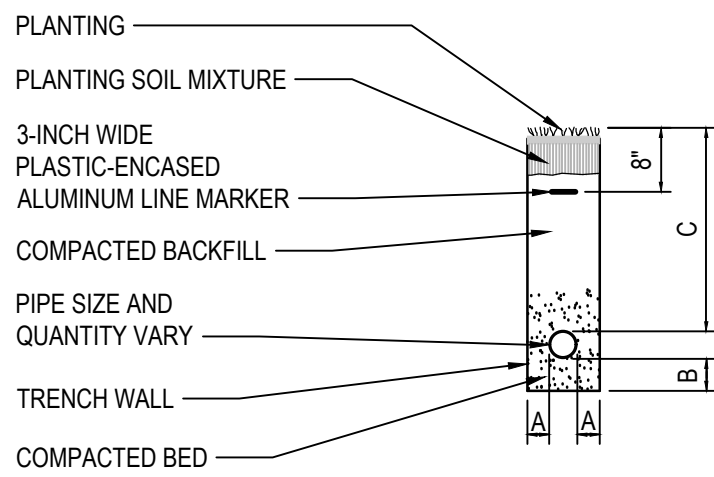
SHEET NUMBER:

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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.

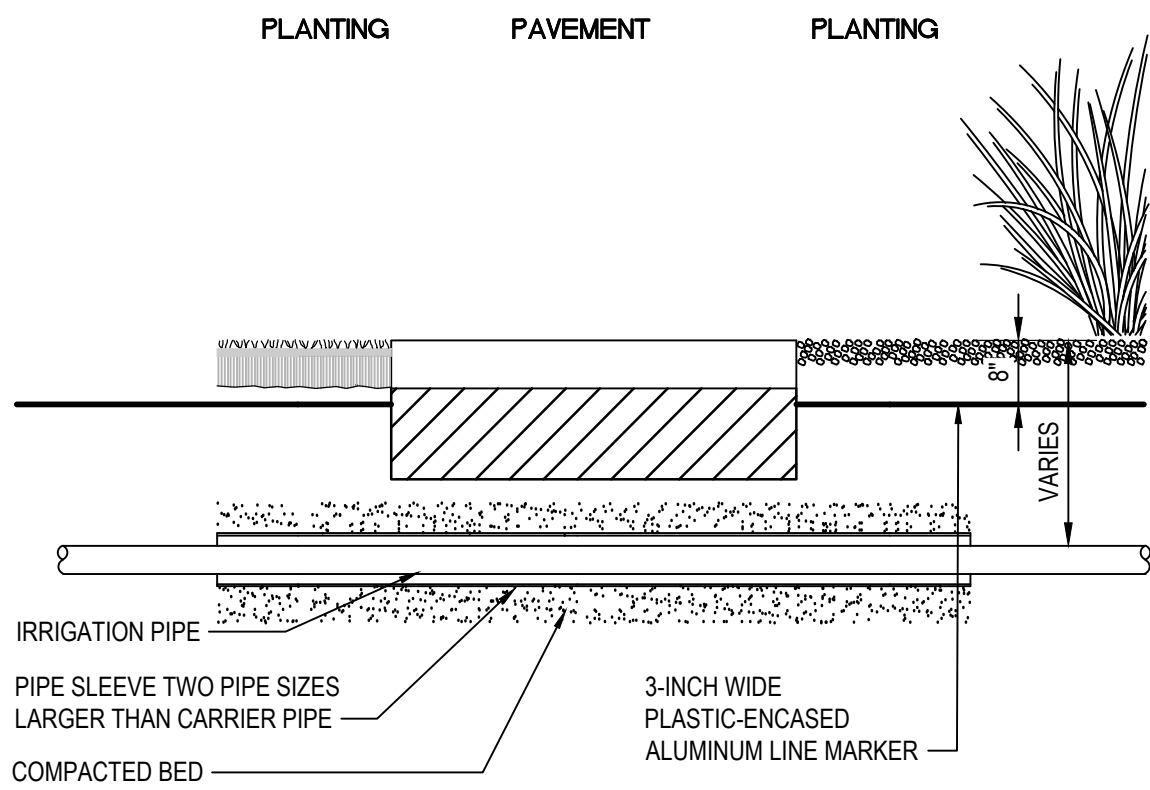
PIPING COVERAGE						
PIPE SIZE	VEHICULAR AREA			PEDESTRIAN AREA		
	A	B	C	A	B	C
1/2"-2"	2"	3"	24"	2"	3"	18"
2 1/2"-4"	3"	4"	30"	3"	4"	24"
5"-6"	4"	5"	36"	4"	5"	30"



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

TRENCHING AND BACKFILLING

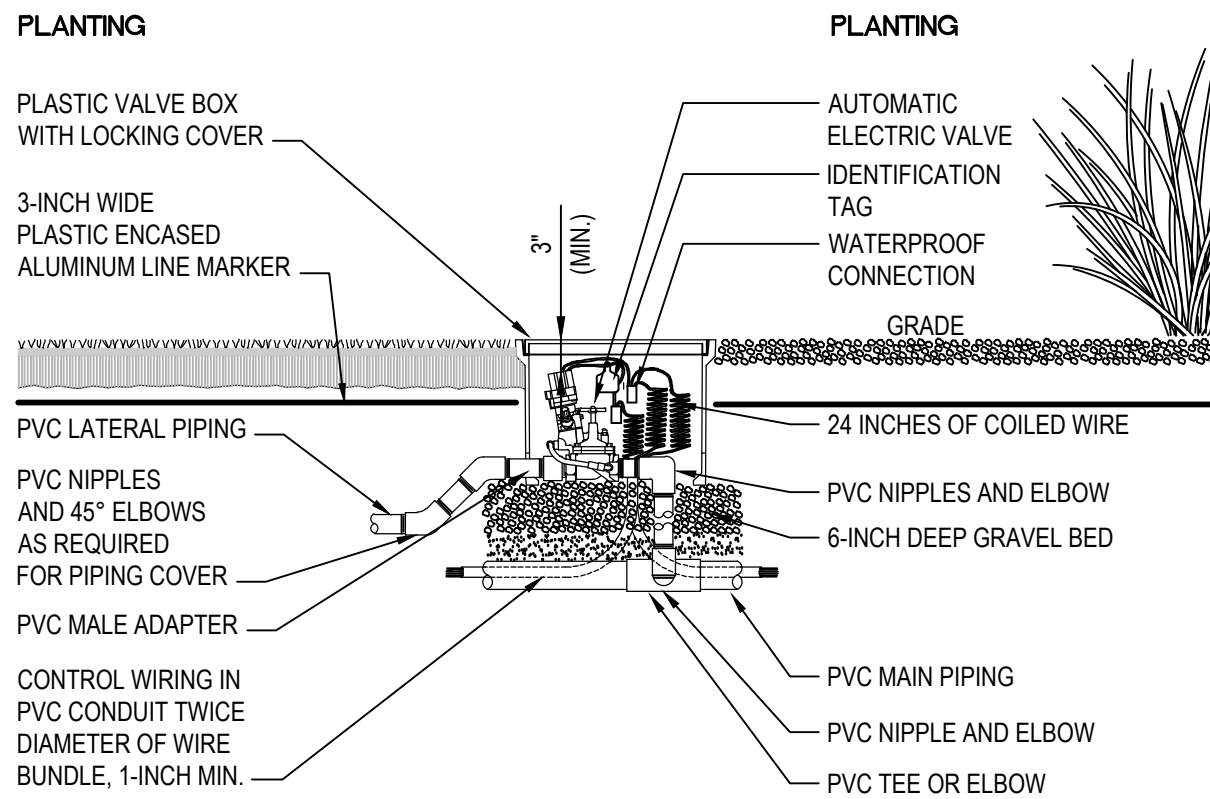
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NOTE: REFER TO TRENCHING AND BACKFILLING FOR PIPING COVER

PIPE SLEEVING DETAIL

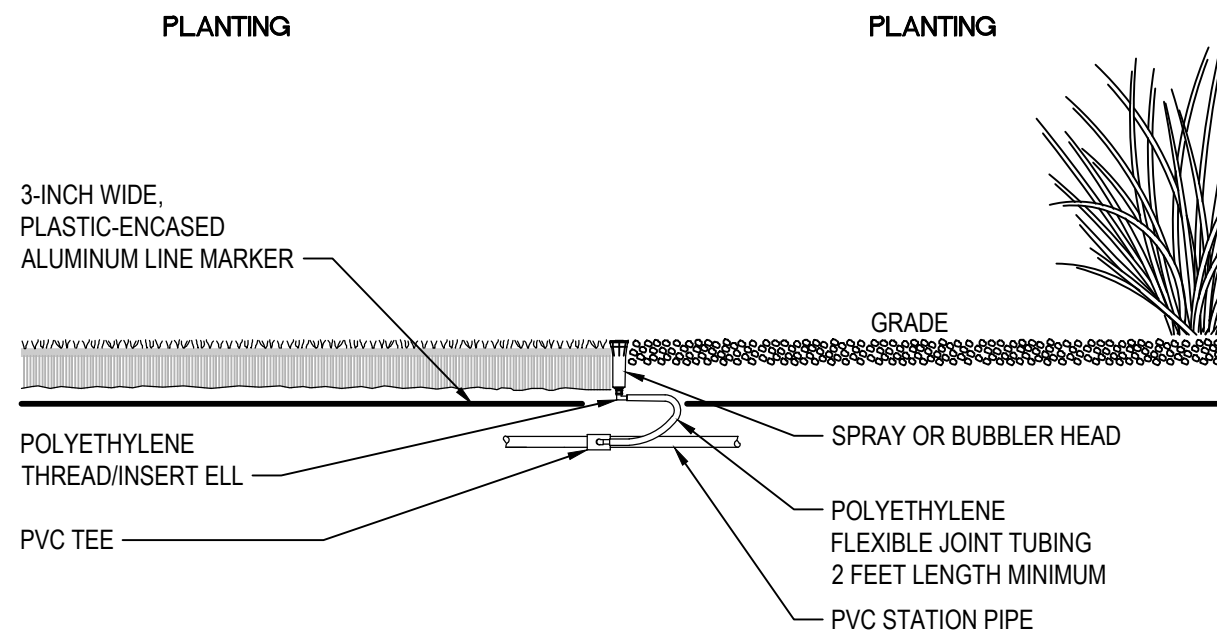
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NOTE: REFER TO TRENCHING AND BACKFILLING FOR PIPING COVER

AUTOMATIC VALVE DETAIL

N.T.S.



NOTE: REFER TO TRENCHING AND BACKFILLING FOR PIPING COVER

SPRINKLER HEAD DETAIL

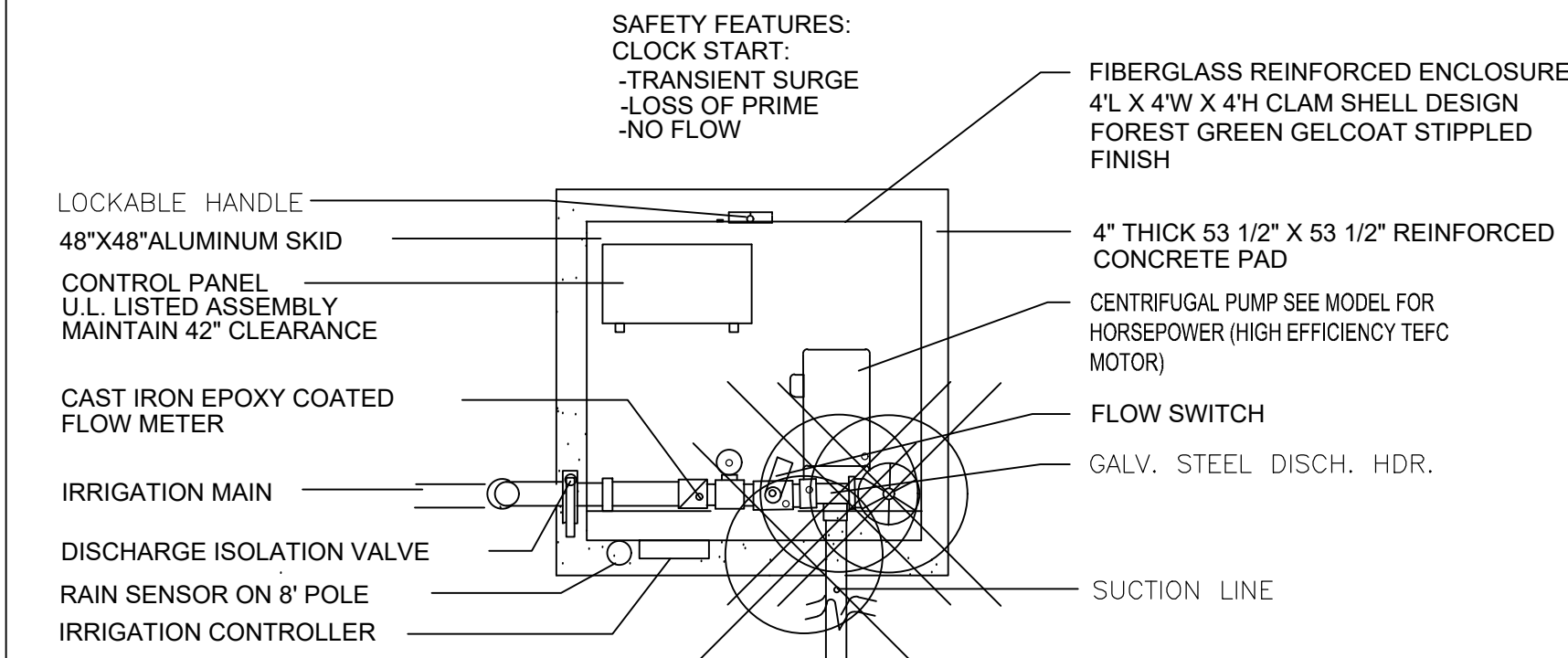
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NOTE: SUCTION PIPES AND FITTINGS SHALL BE HDPE HEAT FUSED. CHECK VALVE 3" AND LARGER SHALL BE SWING TYPE, 2" AND SMALLER SHALL BE POPPET STYLE. ALL EXPOSED SUCTION & DISCHARGE PIPE ADJACENT TO THE PUMP SYSTEM SHALL BE GALVANIZED STEEL. BUTTERFLY OR BALLVALVE PROVIDED AT EACH PUMP.

PROVIDE MINIMUM OF 4' CLEARANCE ON ALL SIDES OF PUMP SYSTEMS

* FEATURES ARE INCLUDED IF MARKED WITH AN "X"

- VARIABLE FREQUENCY DRIVE
- X RAIN BIRD ESP-LXME, X STATION IRRIGATION CONTROLLER STATION AND RAIN SENSOR ON 8' POLE.
- PRESSURE TANK FOR PRESSURE DEMAND SYSTEMS



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 SPICE 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 2737	THREAD / BARB	SCREWED / INSERTED

SPRINKLER SCHEDULE

RADIUS	PATTERN	MFR	BODY	NOZZLE	PSI	GPM
BUBBLER	TRICKLE	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	0.66
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'	360°	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	0.59
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'	360°	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'	360°	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'	360°	RAIN BIRD	1804-SAM-PRS	18-VAN	30	5.32
5' x 15'	RECTANGLE	RAIN BIRD	1804-SAM-PRS	15LCS MPR	30	0.49
5' x 15'	RECTANGLE	RAIN BIRD	1804-SAM-PRS	15RCS MPR	30	0.49
5' x 30'	RECTANGLE	RAIN BIRD	1804-SAM-PRS	15SST MPR	30	1.21

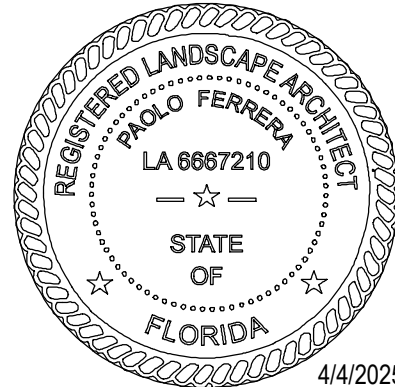


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APPROVED BY: P.F.

SCALE: AS SHOWN

SHEET TITLE:

IRRIGATION SCHEDULES, NOTES
AND DETAILS

SHEET NUMBER:

L-3.1

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A

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 PERIDERM.
- 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 THHN/THWN 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.

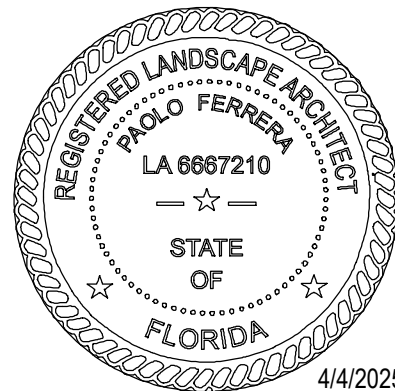


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SHEET TITLE:

IRRIGATION SPECIFICATIONS

SHEET NUMBER:

L-3.2