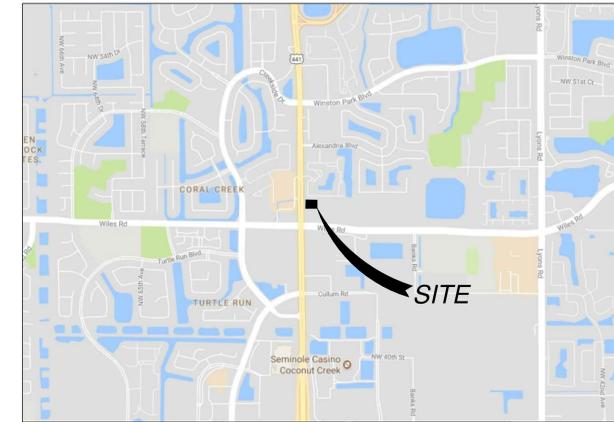


# SITE DEVELOPMENT PLANS FOR COCONUT CREEK CHICK-FIL-A

STORE #03841

4670 N. STATE ROAD 7  
COCONUT CREEK, FLORIDA 33073  
BROWARD COUNTY  
SECTION 18, TOWNSHIP 48 S, RANGE 42 E



## GENERAL NOTES

- CONTRACTOR SHALL HAVE ONE SIGNED COPY OF THE APPROVED PLANS AND THE APPROPRIATE STANDARDS AND SPECIFICATIONS ALONG WITH A COPY OF ANY PERMITS AND AGREEMENTS NEEDED FOR THE JOB ON-SITE AT ALL TIMES.
- CONTRACTOR SHALL MEET OR EXCEED ALL SITE WORK SPECIFICATIONS AND APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS FOR ALL MATERIALS AND CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY DURING CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS IS ENCOUNTERED.
- NO REVISION SHALL BE MADE TO THESE PLANS WITH OUT THE APPROVAL OF THE ENGINEER OF RECORD.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
- ANY REFERENCE TO PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
- ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.
- ALL WORK WITHIN THE FDOT RIGHT OF WAY SHALL CONFORM TO THE LATEST FDOT STANDARDS AND SPECIFICATIONS.

## LEGAL DESCRIPTION

### PROPOSED LEASE AREA (PREPARED BY SURVEYOR PER SITE PLAN)

A PARCEL OF LAND LYING WITHIN AND BEING A PORTION OF TRACT B, ALEXANDER-YOUNG PLAT, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 164, PAGE 10, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA. AND MORE SPECIFICALLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF TRACT B, SAID ALEXANDER-YOUNG PLAT, THENCE NORTH 89°37'35" EAST ALONG THE NORTH LINE OF SAID TRACT B, A DISTANCE OF 208.01 FEET; THENCE SOUTH 01°00'19" EAST A DISTANCE OF 235.01 FEET; THENCE SOUTH 89°37'35" WEST A DISTANCE OF 208.01 FEET TO THE WEST LINE OF SAID TRACT B; THENCE NORTH 01°00'19" WEST ALONG SAID WEST LINE A DISTANCE OF 235.01 FEET TO THE POINT OF BEGINNING.

CONTAINING +/- 48,883 SQUARE FEET OR 1.1222 ACRES MORE OR LESS.

### TITLE COMMITMENT PARCELS

#### PARCEL 1

TRACTS A, A-1, B AND B-1, OF SPEAR PLAT, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 170, PAGE 82, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

LESS AND EXCEPT THE FOLLOWING DESCRIBED PARCEL CONVEYED TO BROWARD COUNTY BY WARRANTY DEED RECORDED IN OFFICIAL RECORDS BOOK 42609, PAGE 1973, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA:

#### RIGHT OF WAY DEDICATION

A PORTION OF TRACT B-1, SPEAR PLAT, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 170, PAGE 82, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID TRACT B-1, SAID CORNER BEING ALONG THE ARC OF A CIRCULAR CURVE CONCAVE SOUTHERLY, FROM WHICH THE RADIUS POINT OF THE NEXT DESCRIBED CURVE BEARS SOUTH 08°06'29" WEST; THENCE WESTERLY ALONG THE SOUTH BOUNDARY OF SAID TRACT B-1 AND THE ARC OF SAID CURVE, HAVING A RADIUS OF 3455.00 FEET, THROUGH A CENTRAL ANGLE OF 00°11' 02", FOR AN ARC DISTANCE OF 11.09 FEET TO A POINT OF CUSP; THENCE EASTERLY AND NORTHEASTERLY ALONG THE ARC OF A CIRCULAR CURVE CONCAVE NORTHERLY, FROM WHICH THE RADIUS POINT BEARS NORTH 04°29' 22" EAST, SAID CURVE HAVING A RADIUS OF 18.42 FEET, THROUGH A CENTRAL ANGLE OF 35°34' 25", FOR AN ARC DISTANCE OF 11.44 FEET TO A POINT ON THE EAST BOUNDARY OF SAID TRACT B-1; THENCE SOUTH 00°24' 15" EAST ALONG SAID EAST BOUNDARY A DISTANCE OF 4.14 FEET TO THE POINT OF BEGINNING.

NOTE: THE BEARINGS SHOWN HEREON ARE BASED ON AN ASSUMED BEARING, THE EAST BOUNDARY OF SAID TRACT B-1 IS ASSUMED TO BEAR NORTH 00°24' 15" WEST.

#### PARCEL 2:

TRACT B, OF ALEXANDER - YOUNG PLAT, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 164, PAGE 10, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

## FLOOD ZONE NOTE

THE LANDS BOUND BY THIS SURVEY ARE LOCATED IN FLOOD ZONE "X" (AREAS BETWEEN LIMITS OF THE 100-YEAR FLOOD AND 500-YEAR FLOOD; OR CERTAIN AREAS SUBJECT TO 100-YEAR FLOODING WITH AVERAGE DEPTHS LESS THAN ONE (1) FOOT OR WHERE THE CONTRIBUTING DRAINAGE AREA IS LESS THAN ONE SQUARE MILE; OR AREAS PROTECTED BY LEVEES FROM THE BASE FLOOD PER FLOOD INSURANCE RATE MAP NUMBER 12011C0165H, DATED AUGUST 18, 2014.

## CONTACTS

**OWNER**  
CHICK-FIL-A  
5200 BUFFINGTON ROAD  
ATLANTA, GA 30349

**ENGINEER**  
BOWMAN CONSULTING GROUP  
401 E. LAS OLAS BOULEVARD, SUITE 1400  
FT. LAUDERDALE, FL 33301  
BILL PFEFFER  
954.712.7482

**FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT)**  
DISTRICT 4  
3400 WEST COMMERCIAL BOULEVARD  
FORT LAUDERDALE, FL 33309  
RAJENDRAN SHANMUGAM  
954.777.4363

**HEALTH DEPARTMENT**  
DEPT OF BUSINESS AND PROFESSIONAL REGULATIONS  
DIVISION OF HOTELS AND RESTAURANTS  
1940 NORTH MONROE STREET  
TALLAHASSEE, FL 32399-1011  
GREG KOEHLER  
850.488.1133

**WATER DISTRIBUTION**  
CITY OF COCONUT CREEK UTILITIES & ENGINEERING DEPARTMENT  
5295 JOHNSON ROAD  
COCONUT CREEK FL, 33073  
EILEEN CABRERA  
954.973.6786  
ECABRERA@COCONUTCREEK.NET

**SANITARY SEWER**  
CITY OF COCONUT CREEK UTILITIES & ENGINEERING DEPARTMENT  
5295 JOHNSON ROAD  
COCONUT CREEK FL, 33073  
EILEEN CABRERA  
954.973.6786  
ECABRERA@COCONUTCREEK.NET

**STORM DRAINAGE**  
CITY OF COCONUT CREEK UTILITIES & ENGINEERING DEPARTMENT  
5295 JOHNSON ROAD  
COCONUT CREEK FL, 33073  
EILEEN CABRERA  
954.973.6786  
ECABRERA@COCONUTCREEK.NET

**STORM DRAINAGE**  
BROWARD COUNTY SURFACE WATER MANAGEMENT LICENSING SECTION  
1 NORTH UNIVERSITY DRIVE  
PLANTATION FL, 33324  
SUSAN JUNCOSA  
NATURAL RESOURCES SPECIALIST  
954.518.1232  
SJUNCOSA@BROWARD.ORG

**ELECTRIC**  
FLORIDA POWER & LIGHT COMPANY  
9329 SOUTH MILITARY TRAIL  
BOYNTON BEACH, FL 33436  
CHARLES ARTHUS  
561.742.2085

**GAS SERVICE**  
TECO NATURAL GAS SERVICE  
5101 NORTHWEST 21st AVENUE  
460 FORT LAUDERDALE, FL 33309  
DOUG HUFFMAN  
954.931.9742  
dhuffman@tecoenergy.com

**TELEPHONE/INTERNET**  
AT&T FLORIDA  
8601 WEST SUNRISE BOULEVARD  
PLANTATION FL, 33322  
964.476.2936  
hu083j@att.com

**TRAFFIC ENGINEERING**  
DISTRICT 4  
3400 WEST COMMERCIAL BOULEVARD  
FORT LAUDERDALE, FL 33309  
RAJENDRAN SHANMUGAM  
954.777.4363

## INDEX

SHEET C-1.0	COVER SHEET
SHEET C-1.1	EXISTING CONDITIONS PLAN
SHEET C-1.2	DEMOLITION PLAN
SHEET C-2.0	SITE PLAN
SHEET C-3.0	GRADING AND DRAINAGE PLAN
SHEET C-3.1	EROSION CONTROL PLAN - PHASE I
SHEET C-3.2	EROSION CONTROL PLAN - PHASE II
SHEET C-3.3	EROSION CONTROL DETAILS
SHEET C-4.0	CHICK-FIL-A SITE DETAILS
SHEET C-4.1	CHICK-FIL-A SITE DETAILS
SHEET C-4.2	CHICK-FIL-A SITE DETAILS
SHEET C-5.0	PAVING & DRAINAGE DETAILS
SHEET PS-1.0	UTILITY PLAN
SHEET PS-1.1	UTILITY DETAILS
SHEET C-7.0	AUTOTURN PLAN



5200 Buffington Rd.  
Atlanta Georgia,  
30349-2998



Seal

WILLIAM PFEFFER, P.E.  
LICENSE NO. 73058  
5/1/2019

**CHICK-FIL-A**  
**COCONUT CREEK FSR**  
**4670 N. STATE ROAD 7**  
**COCONUT CREEK, FLORIDA 33073**

**FSR# 03841**

NO.	DATE	DESCRIPTION
1	7/27/18	REVISED SITE PERMIT SUBMITTAL
2	9/25/18	FDOT & ORC COMMENTS
3	10/17/18	FDOT COMMENTS
4	1/29/19	REVISED SITE PERMIT SUBMITTAL
5	5/1/19	REVISED SITE PERMIT SUBMITTAL

**PERMIT REVIEW**

CURRENT DESIGN	2017-029
NOTE APPLIED	
PROJECT #	010014-01-034
PRINTED FOR	PERMIT REVIEW
DATE	5/1/2019
DRAWN BY	RM

Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.

SHEET COVER SHEET

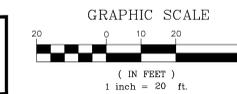
SHEET NUMBER

**C-1.0**

SEE COMMENTS, TYPED ON THE DRAWING, AND EXISTING CONDITIONS, AS INDICATED BY SHADING, IN THE SPECIFIC CHANGES AND CLARIFY THE WORK. THIS INFORMATION IS FOR THE ENGINEER'S USE ONLY. THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED. THE INFORMATION PROVIDED IS FOR THE ENGINEER'S USE ONLY. THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED.







Chick-fil-A

5200 Buffington Rd.  
Atlanta Georgia,  
30349-2998

**Bowman**  
CONSULTING  
Certificate of Authorization License No. 30462  
13450 Sunrise Blvd., Suite 200  
Sunrise, FL 33333  
Phone: (954) 314-8486  
www.bowmanconsulting.com  
© Bowman Consulting Group, Ltd.

Seal

WILLIAM PFEFFER, P.E.  
LICENSE NO. 73058  
5/12019

**CHICK-FIL-A**  
**COCONUT CREEK FSR**  
**4670 N. STATE ROAD 7**  
**COCONUT CREEK, FLORIDA 33073**

**FSR# 03841**

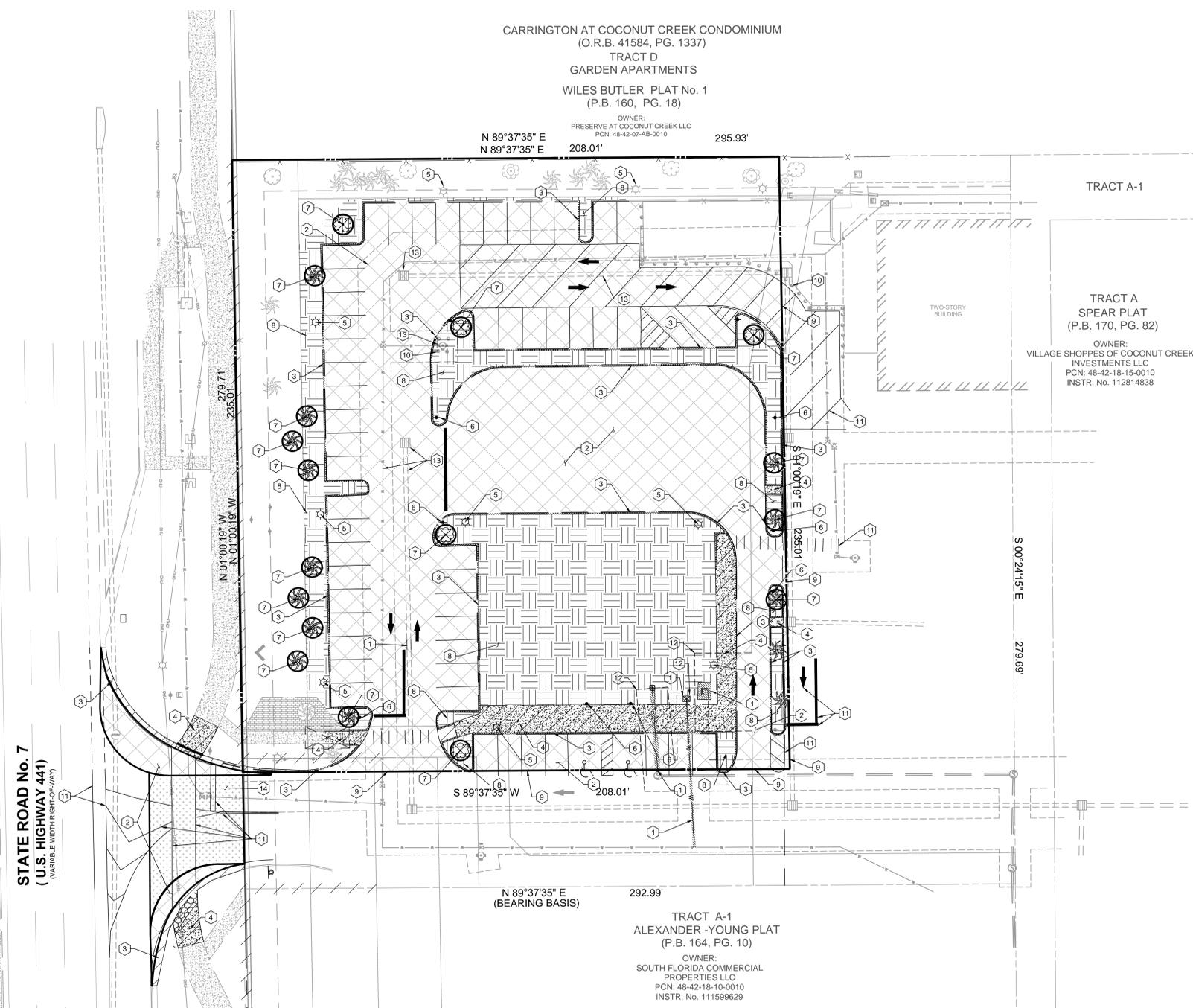
NO.	DATE	DESCRIPTION
1	7/27/18	REVISED SITE PERMIT SUBMITTAL
2	9/25/18	DOT & DRC COMMENTS
3	10/17/18	DOT COMMENTS
4	1/29/19	REVISED SITE PERMIT SUBMITTAL
5	5/1/19	REVISED SITE PERMIT SUBMITTAL

CURRENT DESIGN	2017-029
NOTE APPLIED	
PROJECT #	010014-01-034
PRINTED FOR	PERMIT REVIEW
DATE	5/1/2019
DRAWN BY	RM

Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.

SHEET  
DEMOLITION PLAN

SHEET NUMBER  
**C-1.2**



- KEY NOTE LEGEND**
- 1 UTILITIES TO BE REMOVED
  - 2 PAVEMENT TO BE REMOVED
  - 3 CURB TO BE REMOVED
  - 4 SIDEWALK TO BE REMOVED
  - 5 LIGHT POLES TO BE REMOVED
  - 6 SIGN TO BE REMOVED
  - 7 TREES TO BE REMOVED
  - 8 OPEN SPACE TO BE REMOVED
  - 9 SAWCUT EXISTING ASPHALT
  - 10 EXISTING BOLLARD TO REMAIN
  - 11 PAVEMENT MARKING TO BE REMOVED
  - 12 EASEMENT TO BE ABANDONED
  - 13 EXISTING UTILITIES TO REMAIN
  - 14 EXISTING ASPHALT TO BE MILLED

- DEMOLITION LEGEND**
- [Hatched Box] = EXISTING CONCRETE OR STRUCTURE TO BE REMOVED
  - [Hatched Box] = EXISTING OPEN SPACE TO BE REMOVED
  - [Hatched Box] = EXISTING ASPHALT TO BE REMOVED
  - [Dotted Box] = EXISTING ASPHALT TO BE MILLED
  - [Circle with X] = EXISTING TREE TO BE REMOVED

- GENERAL DEMOLITION NOTES**
- THE LOCATION OF THE UTILITIES SHOWN HAVE BEEN DETERMINED BY INFORMATION GATHERED AND SHALL NOT BE USED AS EXACT. CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANIES TO VERIFY EXACT LOCATIONS PRIOR TO DEMOLITION.
  - THE CONTRACTOR SHALL COORDINATE WITH THE PROPER UTILITY COMPANIES FOR REMOVAL AND RELOCATIONS OF THE RESPECTIVE UTILITY. THE CONTRACTOR SHALL VERIFY ANY WORK THAT MAY BE DONE BY THE UTILITY COMPANIES.
  - CONTRACTOR SHALL PROTECT THE PUBLIC WITH BEST MANAGEMENT PRACTICES.
  - CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING STRUCTURES, PAVEMENT, AND VEGETATION THAT IS NOT TO BE DISTURBED AND IS RESPONSIBLE FOR ANY DAMAGES TO THEM.
  - THE CONTRACTOR SHALL PROPERLY DISPOSE OF ALL MATERIALS RESULTING FROM OPERATION ACCORDING TO GOVERNING AUTHORITIES AND SHALL OBTAIN THE PROPER PERMITS REQUIRED FOR DISPOSAL AND DEMOLITION.
  - THE CONTRACTOR SHALL MAINTAIN CONTINUOUS ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION AND AVOID ANY PROPERTY DAMAGE DURING CONSTRUCTION.
  - THE CONTRACTOR SHALL INSTALL EROSION AND SEDIMENT CONTROL DEVICES PRIOR TO DEMOLITION.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SERVICES TO ANY NECESSARY UTILITIES DURING CONSTRUCTION.
  - FOR ALL ITEMS NOTED TO BE REMOVED, REMOVE NOT ONLY THE ABOVE GROUND ELEMENTS, BUT ALSO REMOVE ALL UNDERGROUND ELEMENTS AS WELL INCLUDING, BUT NOT LIMITED TO: FOUNDATIONS, GRAVEL FILLS, TREE ROOTS, PIPES, TANKS, ETC.
  - BACKFILL ALL EXCAVATIONS RESULTING FROM THE DEMOLITION WORK MEETING THE REQUIREMENTS FOR FILL OUTLINED IN THE GEOTECHNICAL INVESTIGATION REPORT FOR THIS SITE.
  - ASBESTOS AND ANY OTHER HAZARDOUS MATERIAL SHALL BE PROPERLY PERMITTED AND REMOVED BY THE CONTRACTOR. CONTRACTOR SHALL SECURE ALL PERMITS FOR DEMOLITION AND REMOVAL OF MATERIALS FROM THE SITE.
  - LIMIT SAW-CUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE PLANS. ANY DAMAGE TO ANY SURROUNDING AREAS SHALL BE REPAIRED/REPLACED AT THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL PROTECT EXISTING ADJACENT STRUCTURES, PAVEMENT, UTILITIES, LANDSCAPE, ETC. FROM DAMAGE DURING CONSTRUCTION.
  - CONTRACTOR SHALL ENSURE THAT SERVICES TO ALL UTILITIES TO BE REMOVED HAS BEEN DISCONTINUED AND SHUT OFF. ALL UTILITY LINES SHALL BE CAPPED PER UTILITY COMPANY STANDARDS.
  - EXISTING PERIMETER TREES & LANDSCAPING TO REMAIN WHEREVER POSSIBLE.

STATE ROAD No. 7  
(U.S. HIGHWAY 441)  
(VARIABLE WIDTH RIGHT-OF-WAY)

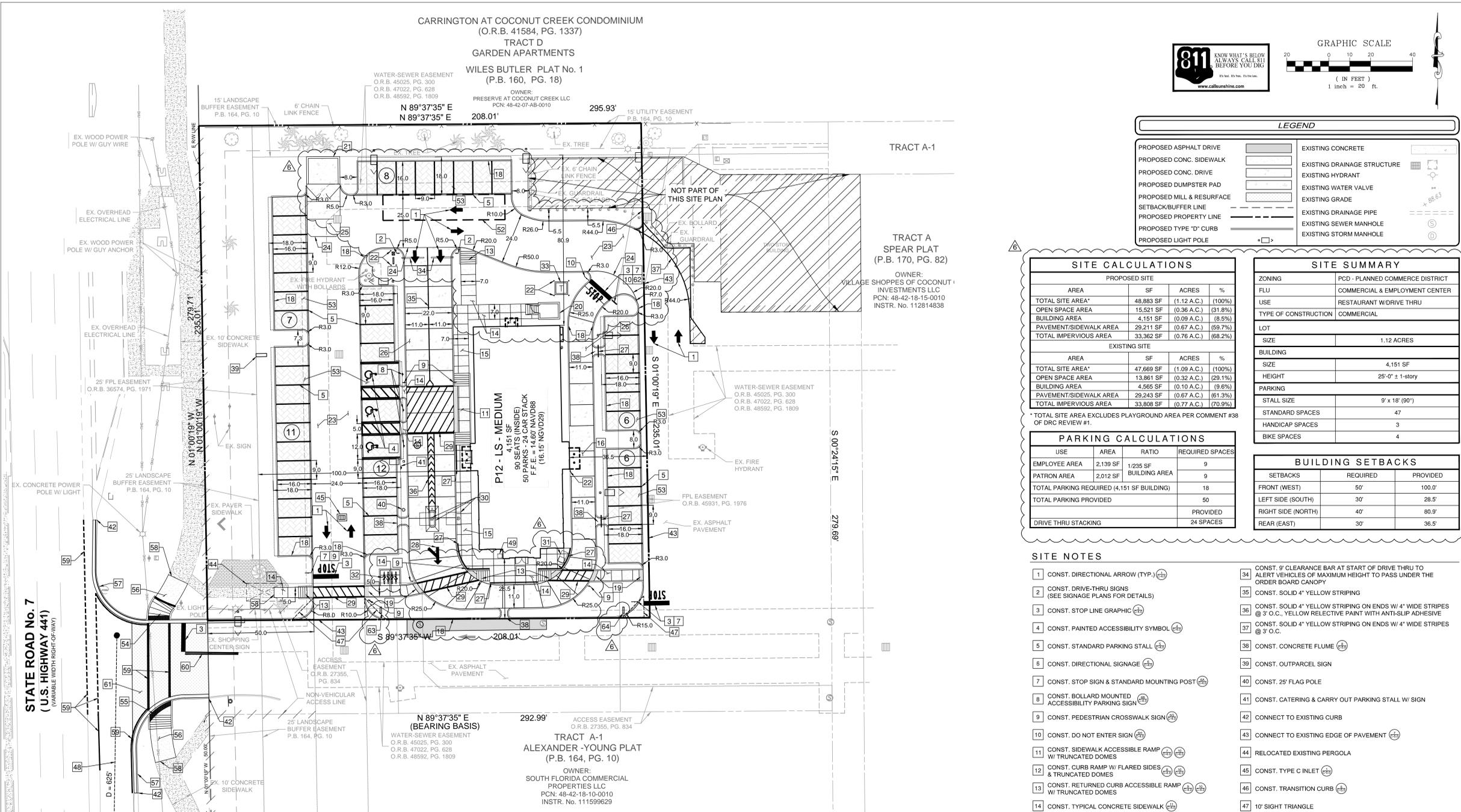
THIS DOCUMENT, TOGETHER WITH THE CONTRACT, AND SPECIFICATIONS, PRESENTED HEREAFTER, AS AN INSTRUMENT OF SERVICE, IS HEREBY CERTIFIED THAT THE SPECIFIC CONTRACT AND CLIENT FOR WHICH IT WAS PREPARED. USE OF ANY INFORMATION CONTAINED IN THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ASSUMPTION BY BOWMAN CONSULTING SHALL BE STRICTLY LIMITED TO BOWMAN CONSULTING.

CARRINGTON AT COCONUT CREEK CONDOMINIUM  
(O.R.B. 41584, PG. 1337)  
TRACT D  
GARDEN APARTMENTS

WILES BUTLER PLAT No. 1  
(P.B. 160, PG. 18)

OWNER:  
PRESERVE AT COCONUT CREEK LLC  
PCN: 48-42-07-AB-0010

295.93'  
208.01'



**NOTES:**

THE LOCATION OF EXISTING UTILITIES SHOWN IS APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION DURING CONSTRUCTION. RELOCATION OF UTILITIES SHALL BE COORDINATED WITH UTILITY COMPANIES AFTER IDENTIFICATION OF CONFLICT BY CONTRACTOR. CONTRACTOR WILL NOTIFY ENGINEER IN ADVANCE BEFORE ANY RELOCATION.

LIMEROCK BASE SHALL BE A MINIMUM OF 12" AND COMPACTED IN 6" LIFTS TO 98% MAXIMUM DENSITY ACCORDING TO AASHTO-T160. CONSTRUCTION TO CONFORM TO SECTION 200. BASE TO BE PRIMED AFTER COMPACTION.

STABILIZED SUBGRADE - MINIMUM 12" THICK AND COMPACTED TO 98% MAXIMUM DENSITY ACCORDING TO AASHTO-180. MATERIAL TO HAVE MINIMUM L.B.R. OF 40 AND CONFORM TO SECTION 180.

REMOVE ALL MUCK, OVERBURDEN, AND ROOT MATERIAL TO THE RIGHT-OF-WAY LINE, AND BACKFILL TO THE REQUIRED SUBGRADE WITH CLEAN, GRANULAR MATERIAL IN MAXIMUM 6" LIFTS COMPACTED TO 100% OF MAXIMUM DENSITY IN ACCORDANCE WITH AASHTO T99-C SPECIFICATIONS, AND EACH LIFT TESTED BEFORE PLACING NEXT LIFT.

ALL CURB CUT RAMPS MUST FACE IN THE DIRECTION OF PEDESTRIAN TRAVEL.

SPECIFY THE ALPHANUMERIC IDENTIFICATION FOR THE CURB CUT RAMPS PER STANDARD INDEX 522-02. A COPY OF THE APPROPRIATE DETAIL(S) MUST BE SHOWN ON THE PLANS.

ALL ELEVATIONS SHOWN ARE NAVD 88.

CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES. UTILITY LOCATIONS SHOWN ARE APPROXIMATES.

FINISH FLOOR ELEVATIONS SHALL BE SET EITHER ONE (1) FOOT ABOVE, OR FLOOD PROTECTED UP TO ONE (1) FOOT ABOVE THE AFFECTIVE FEMA FLOOD ELEVATION.

ALL PAVEMENT MARKINGS AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

**SITE CALCULATIONS**

PROPOSED SITE			
AREA	SF	ACRES	%
TOTAL SITE AREA*	48,883 SF	(1.12 A.C.)	(100%)
OPEN SPACE AREA	15,521 SF	(0.36 A.C.)	(31.8%)
BUILDING AREA	4,151 SF	(0.09 A.C.)	(8.5%)
PAVEMENT/SIDEWALK AREA	29,211 SF	(0.67 A.C.)	(59.7%)
TOTAL IMPERVIOUS AREA	33,362 SF	(0.76 A.C.)	(68.2%)

EXISTING SITE			
AREA	SF	ACRES	%
TOTAL SITE AREA*	47,669 SF	(1.09 A.C.)	(100%)
OPEN SPACE AREA	13,861 SF	(0.32 A.C.)	(29.1%)
BUILDING AREA	4,565 SF	(0.10 A.C.)	(9.6%)
PAVEMENT/SIDEWALK AREA	29,243 SF	(0.67 A.C.)	(61.3%)
TOTAL IMPERVIOUS AREA	33,808 SF	(0.77 A.C.)	(70.9%)

\* TOTAL SITE AREA EXCLUDES PLAYGROUND AREA PER COMMENT #38 OF DRC REVIEW #1.

**PARKING CALCULATIONS**

USE	AREA	RATIO	REQUIRED SPACES
EMPLOYEE AREA	2,139 SF	1/235 SF BUILDING AREA	9
PATRON AREA	2,012 SF		9
TOTAL PARKING REQUIRED (4,151 SF BUILDING)			18
TOTAL PARKING PROVIDED			50
DRIVE THRU STACKING			24 SPACES

**SITE SUMMARY**

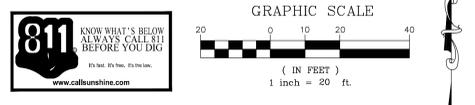
ZONING	PCD - PLANNED COMMERCE DISTRICT
FLU	COMMERCIAL & EMPLOYMENT CENTER
USE	RESTAURANT W/DRIVE THRU
TYPE OF CONSTRUCTION	COMMERCIAL
LOT	
SIZE	1.12 ACRES
BUILDING	
SIZE	4,151 SF
HEIGHT	25'-0" ± 1-story
PARKING	
STALL SIZE	9' x 18' (90')
STANDARD SPACES	47
HANDICAP SPACES	3
BIKE SPACES	4

**BUILDING SETBACKS**

SETBACKS	REQUIRED	PROVIDED
FRONT (WEST)	50'	100.0'
LEFT SIDE (SOUTH)	30'	28.5'
RIGHT SIDE (NORTH)	40'	80.9'
REAR (EAST)	30'	36.5'

- SITE NOTES**
- CONST. DIRECTIONAL ARROW (TYP.)
  - CONST. DRIVE-THRU SIGNS (SEE SIGNAGE PLANS FOR DETAILS)
  - CONST. STOP LINE GRAPHIC
  - CONST. PAINTED ACCESSIBILITY SYMBOL
  - CONST. STANDARD PARKING STALL
  - CONST. DIRECTIONAL SIGNAGE
  - CONST. STOP SIGN & STANDARD MOUNTING POST
  - CONST. BOLLARD MOUNTED ACCESSIBILITY PARKING SIGN
  - CONST. PEDESTRIAN CROSSWALK SIGN
  - CONST. DO NOT ENTER SIGN
  - CONST. SIDEWALK ACCESSIBLE RAMP W/ TRUNCATED DOMES
  - CONST. CURB RAMP W/ FLARED SIDES & TRUNCATED DOMES
  - CONST. RETURNED CURB ACCESSIBLE RAMP W/ TRUNCATED DOMES
  - CONST. TYPICAL CONCRETE SIDEWALK
  - CONST. SIDEWALK W/ TYPE D CURB
  - CONST. DRIVE-THRU
  - CONST. LANDSCAPE & IRRIGATION PROTECTOR
  - CONST. TYPE D CURB
  - CONST. TRUNCATED DOMES
  - CONST. DETACHED STORAGE SHED
  - CONST. REFUSE ENCLOSURE
  - CONST. CONCRETE BOLLARD
  - CONST. ASPHALT PAVEMENT
  - CONST. PAVEMENT EDGE
  - CONST. CONCRETE APRON AT REFUSE ENCLOSURE
  - CONST. CONCRETE PAVING DRIVE-THRU LANE
  - CONST. ALUMINUM HANDRAIL
  - CONST. MULTI-LANE DIRECTIONAL GRAPHICS
  - CONST. CROSSWALK STRIPING
  - CONST. ORDER BOARDS WITH ISLAND CURB
  - CASH STATION
  - CONST. BIKE RACK
  - TRANSFORMER (TO BE CONSTRUCTED BY OTHERS) W/ BOLLARD PROTECTION
  - CONST. 9" CLEARANCE BAR AT START OF DRIVE THRU TO ALERT VEHICLES OF MAXIMUM HEIGHT TO PASS UNDER THE ORDER BOARD CANOPY
  - CONST. SOLID 4" YELLOW STRIPING
  - CONST. SOLID 4" YELLOW STRIPING ON ENDS W/ 4" WIDE STRIPES @ 3' O.C., YELLOW REFLECTIVE PAINT WITH ANTI-SLIP ADHESIVE
  - CONST. SOLID 4" YELLOW STRIPING ON ENDS W/ 4" WIDE STRIPES @ 3' O.C.
  - CONST. CONCRETE FLUME
  - CONST. OUTPARCEL SIGN
  - CONST. 25' FLAG POLE
  - CONST. CATERING & CARRY OUT PARKING STALL W/ SIGN
  - CONNECT TO EXISTING CURB
  - CONNECT TO EXISTING EDGE OF PAVEMENT
  - RELOCATED EXISTING PERGOLA
  - CONST. TYPE C INLET
  - CONST. TRANSITION CURB
  - 10' SIGHT TRIANGLE
  - FDOT SIGHT TRIANGLE
  - TRASH RECEPTACLE
  - IRRIGATION WELL
  - PARKING STALL WITH ELECTRIC VEHICLE CHARGING STATIONS (CHARGING STATION IS TO BE CONSTRUCTED BY CHICK-FIL-A)
  - 12' x 5' LOADING AREA
  - CONST. PERVIOUS PAVERS WITH HEADER CURB
  - CONST. FDOT CURB RAMP CR-E WITH TRUNCATED DOMES PER FDOT STANDARD PLANS INDEX 522-002
  - CONST. FDOT CURB RAMP CR-F WITH TRUNCATED DOMES PER FDOT STANDARD PLANS INDEX 522-002
  - CONST. CONCRETE SIDEWALK PER FDOT STANDARD PLANS INDEX 522-001
  - CONST. TYPE F CONCRETE CURB PER FDOT STANDARD PLANS INDEX 520-001
  - CONNECT TO EXISTING SIDEWALK
  - CONST. PAVEMENT MARKINGS PER FDOT STANDARD PLANS INDEX 711-001
  - CONST. 25 LF OF 6" SOLID DOUBLE WHITE PAVEMENT MARKING
  - MILL & RESURFACE EXISTING PAVEMENT
  - CONST. RIGHT TURN ONLY SIGN PER MUTCD SIGN R3-5R
  - CONST. DINE-IN CUSTOMERS SIGN (SEE SIGNAGE PLANS)
  - CONST. DRIVE THRU CUSTOMERS SIGN (SEE SIGNAGE PLANS)



**LEGEND**

PROPOSED ASPHALT DRIVE	EXISTING CONCRETE
PROPOSED CONC. SIDEWALK	EXISTING DRAINAGE STRUCTURE
PROPOSED CONC. DRIVE	EXISTING HYDRANT
PROPOSED DUMPSTER PAD	EXISTING WATER VALVE
PROPOSED MILL & RESURFACE	EXISTING GRADE
SETBACK/BUFFER LINE	EXISTING DRAINAGE PIPE
PROPOSED PROPERTY LINE	EXISTING SEWER MANHOLE
PROPOSED TYPE 'D' CURB	EXISTING STORM MANHOLE
PROPOSED LIGHT POLE	

5200 Buffington Rd.  
Atlanta Georgia,  
30349-2998

**Bowman CONSULTING**

Florida Professional Engineering License No. 30822  
13450 Sunrise Blvd., Suite 320  
Sunrise, FL 33333  
Phone: (954) 314-8466  
www.bowmanconsulting.com  
© Bowman Consulting Group, LLC

Seal

WILLIAM PFEFFER, P.E.  
LICENSE NO. 73058  
5/7/2019

**CHICK-FIL-A**  
**COCONUT CREEK FSR**  
4670 N. STATE ROAD 7  
COCONUT CREEK, FLORIDA 33073

**FSR# 03841**

**REVISION SCHEDULE**

NO.	DATE	DESCRIPTION
1	7/27/18	REVISED SITE PERMIT SUBMITTAL
2	9/25/18	FDOT & DRC COMMENTS
3	10/17/18	FDOT COMMENTS
4	1/29/19	REVISED SITE PERMIT SUBMITTAL
5	5/1/19	REVISED SITE PERMIT SUBMITTAL

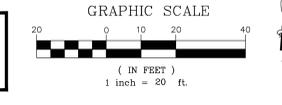
**PERMIT REVIEW**

CURRENT DESIGN NOTE APPLIED	2017-029
PROJECT #	010014-01-034
PRINTED FOR	PERMIT REVIEW
DATE	5/7/2019
DRAWN BY	RM

Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.

SHEET NUMBER  
SITE PLAN

C-2.0



5200 Buffington Rd.  
Atlanta Georgia,  
30349-2998

**Bowman**  
CONSULTING

13450 Sunrise Blvd., Suite 320  
Sunrise, FL 33333  
Phone: (954) 314-8486  
www.bowmanconsulting.com

Seal

WILLIAM PFEFFER, P.E.  
LICENSE NO. 73058  
5/1/2019

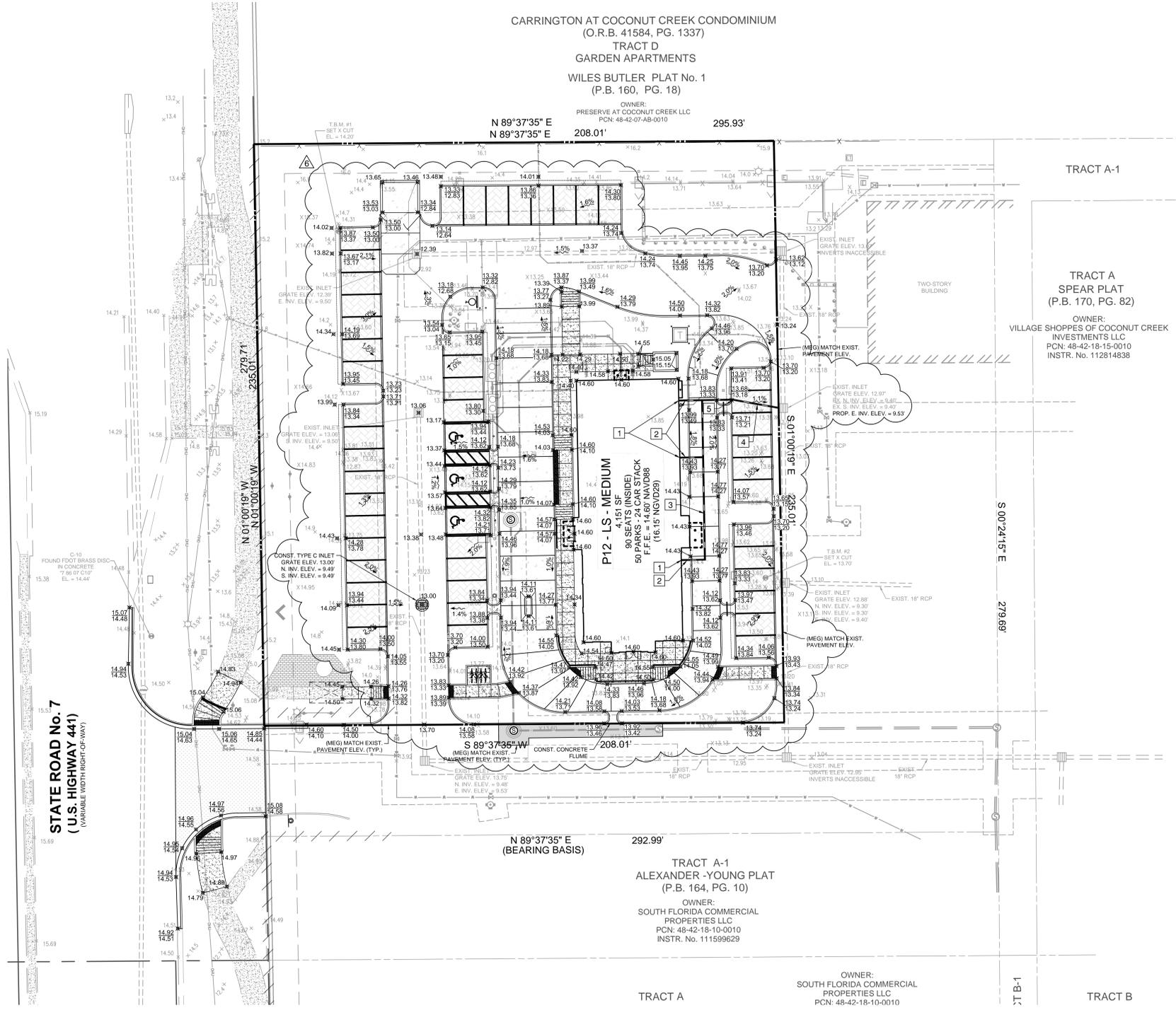
LEGEND	
PROPOSED ASPHALT DRIVE	EXISTING CONCRETE
PROPOSED CONC. SIDEWALK	EXISTING DRAINAGE STRUCTURE
PROPOSED CONC. DRIVE	EXISTING HYDRANT
PROPOSED DUMPSTER PAD	EXISTING WATER VALVE
PROPOSED MILL & RESURFACE	EXISTING GRADE
SETBACK/BUFFER LINE	EXISTING DRAINAGE PIPE
PROPOSED PROPERTY LINE	EXISTING SEWER MANHOLE
PROPOSED DRAINAGE ARROW	EXISTING STORM MANHOLE
PROPOSED SPOT ELEVATION	
PROPOSED CURB ELEVATION	
PROPOSED HIGH POINT	
PROPOSED LOW POINT	
MEET EXISTING GRADE	
PROPOSED LIGHT POLE	

- PAVING AND GRADING NOTES**
- THE LOCATION OF EXISTING UTILITIES SHOWN IS APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION DURING CONSTRUCTION. RELOCATION OF UTILITIES SHALL BE COORDINATED WITH UTILITY COMPANIES AFTER IDENTIFICATION OF CONFLICT BY CONTRACTOR. CONTRACTOR WILL NOTIFY ENGINEER IN ADVANCE BEFORE ANY RELOCATION.
  - LIMEROCK BASE SHALL BE A MINIMUM OF 12" AND COMPACTED IN 6" LIFTS TO 98% MAXIMUM DENSITY ACCORDING TO AASHTO-T180. CONSTRUCTION TO CONFORM TO SECTION 200. BASE TO BE PRIMED AFTER COMPACTION.
  - STABILIZED SUBGRADE - MINIMUM 12" THICK AND COMPACTED TO 98% MAXIMUM DENSITY ACCORDING TO AASHTO-T180. MATERIAL TO HAVE MINIMUM L.B.R. OF 40 AND CONFORM TO SECTION 160.
  - REMOVE ALL MUCK, OVERBURDEN, AND ROOT MATERIAL TO THE RIGHT-OF-WAY LINE, AND BACKFILL TO THE REQUIRED SUBGRADE WITH CLEAN, GRANULAR MATERIAL IN MAXIMUM 6" LIFTS COMPACTED TO 100% OF MAXIMUM DENSITY IN ACCORDANCE WITH AASHTO T99-C SPECIFICATIONS, AND EACH LIFT TESTED BEFORE PLACING NEXT LIFT.
  - THE ELEVATIONS SHOWN HEREON REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AND ARE BASED UPON THE FOLLOWING BENCHMARKS AS PUBLISHED BY FLORIDA DEPARTMENT OF TRANSPORTATION PROJECT NETWORK CONTROL FINANCIAL PROJECT ID 427837-1-52-01 FOR STATE ROAD 7 IN BROWARD COUNTY.
    - 'C'-10" F.D.O.T. BRASS DISC IN CONCRETE STAMPED '7 86 07 C10' EL. = 14.44 (NAVD88)
    - 'B'-12" F.D.O.T. BRASS DISC IN CONCRETE STAMPED '7 86 07 B12' EL. = 14.44 (NAVD88)
  - ELEVATION DATUM CONVERSION NAVD TO NGVD = +1.55'
  - CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES. UTILITY LOCATIONS SHOWN ARE APPROXIMATES.

SITE CALCULATIONS			
PROPOSED SITE			
AREA	SF	ACRES	%
TOTAL SITE AREA*	48,883 SF	(1.12 A.C.)	(100%)
OPEN SPACE AREA	14,076 SF	(0.32 A.C.)	(28.8%)
BUILDING AREA	4,151 SF	(0.09 A.C.)	(8.5%)
PAVEMENT/SIDEWALK AREA	30,656 SF	(0.71 A.C.)	(62.7%)
TOTAL IMPERVIOUS AREA	34,807 SF	(0.80 A.C.)	(71.2%)
EXISTING SITE			
AREA	SF	ACRES	%
TOTAL SITE AREA*	47,669 SF	(1.09 A.C.)	(100%)
OPEN SPACE AREA	13,861 SF	(0.32 A.C.)	(29.1%)
BUILDING AREA	4,565 SF	(0.10 A.C.)	(9.6%)
PAVEMENT/SIDEWALK AREA	29,243 SF	(0.67 A.C.)	(61.3%)
TOTAL IMPERVIOUS AREA	33,808 SF	(0.77 A.C.)	(70.9%)

\*TOTAL SITE AREA EXCLUDES PLAYGROUND AREA PER COMMENT #38 OF DRC REVIEW #1.

- DRAINAGE NOTES**
- CONNECT TO ROOF DOWNSPOUTS
  - CONST. 8 LF OF 6" PVC @ 0% SLOPE
  - CONST. 64 LF OF 6" PVC @ 0% SLOPE
  - CONST. 32 LF OF 6" PVC @ 2% SLOPE
  - CONST. 6"-1.25" BEND



THIS DOCUMENT, TOGETHER WITH THE CONTRACT, AND EXISTING PROVIDED HEREIN, AS AN INSTRUMENT OF SERVICE, IS HEREBY SUBMITTED TO THE COUNTY AND CITY FOR THE SPECIFIC PURPOSE AND CLARITY FOR WHICH IT WAS PREPARED. REUSE OF ANY INFORMATION CONTAINED IN THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY BOWMAN CONSULTING SHALL BE STRICTLY PROHIBITED BY BOWMAN CONSULTING.

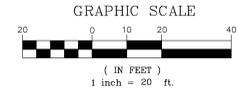
PERMIT REVIEW

NO.	DATE	DESCRIPTION
1	7/27/18	REVISED SITE PERMIT SUBMITTAL
2	9/25/18	FOOT & DRC COMMENTS
3	10/17/18	FOOT COMMENTS
4	1/29/19	REVISED SITE PERMIT SUBMITTAL
5	5/1/19	REVISED SITE PERMIT SUBMITTAL

CURRENT DESIGN NOTE APPLIED	2017-029
PROJECT #	010014-01-034
PRINTED FOR	PERMIT REVIEW
DATE	5/1/2019
DRAWN BY	RM

SHEET GRADING AND DRAINAGE PLAN SHEET NUMBER

C-3.0



5200 Buffington Rd.  
Atlanta Georgia,  
30349-2998



Seal

WILLIAM PFEFFER, P.E.  
LICENSE NO. 73058  
5/12019

**CHICK-FIL-A**  
**COCONUT CREEK FSR**  
4670 N. STATE ROAD 7  
COCONUT CREEK, FLORIDA 33073

**FSR# 03841**

NO.	DATE	DESCRIPTION
1	7/27/16	REVISED SITE PERMIT SUBMITTAL
2	9/25/16	FOOT & DRG COMMENTS
3	10/17/18	DOT COMMENTS
4	1/29/19	REVISED SITE PERMIT SUBMITTAL
5	5/1/19	REVISED SITE PERMIT SUBMITTAL

CURRENT DESIGN NOTE APPLIED	2017-029
PROJECT #	010014-01-034
PRINTED FOR	PERMIT REVIEW
DATE	5/1/2019
DRAWN BY	RM

Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.

EROSION CONTROL PLAN - PHASE I

SHEET NUMBER

**C-3.1**

LEGEND			
	EXISTING BOUNDARY		PROPOSED SILT DIKE ON PAVEMENT
	EXISTING EASEMENT		LIMITS OF DISTURBANCE
	EXISTING BUILDING		PROPOSED SILT FENCE
	EXISTING FIRE HYDRANT		PROPOSED STABILIZED CONST. ENTRANCE
	EXISTING WATER METER		TEMPORARY PARKING AND STAGING AREAS
	EXISTING CATCH BASIN		PROPOSED FILTER SACK INLET PROTECTION
	EXISTING SANITARY MANHOLE		PROPOSED TREE BARRIER
	EXISTING POWER POLE		
	EXISTING LIGHT POLE		
	EXISTING CROSSWALK SIGNAL		
	EXISTING PARKING		
	EXISTING F CURB		
	EXISTING EDGE OF PAVEMENT		

**CONSTRUCTION SEQUENCE**

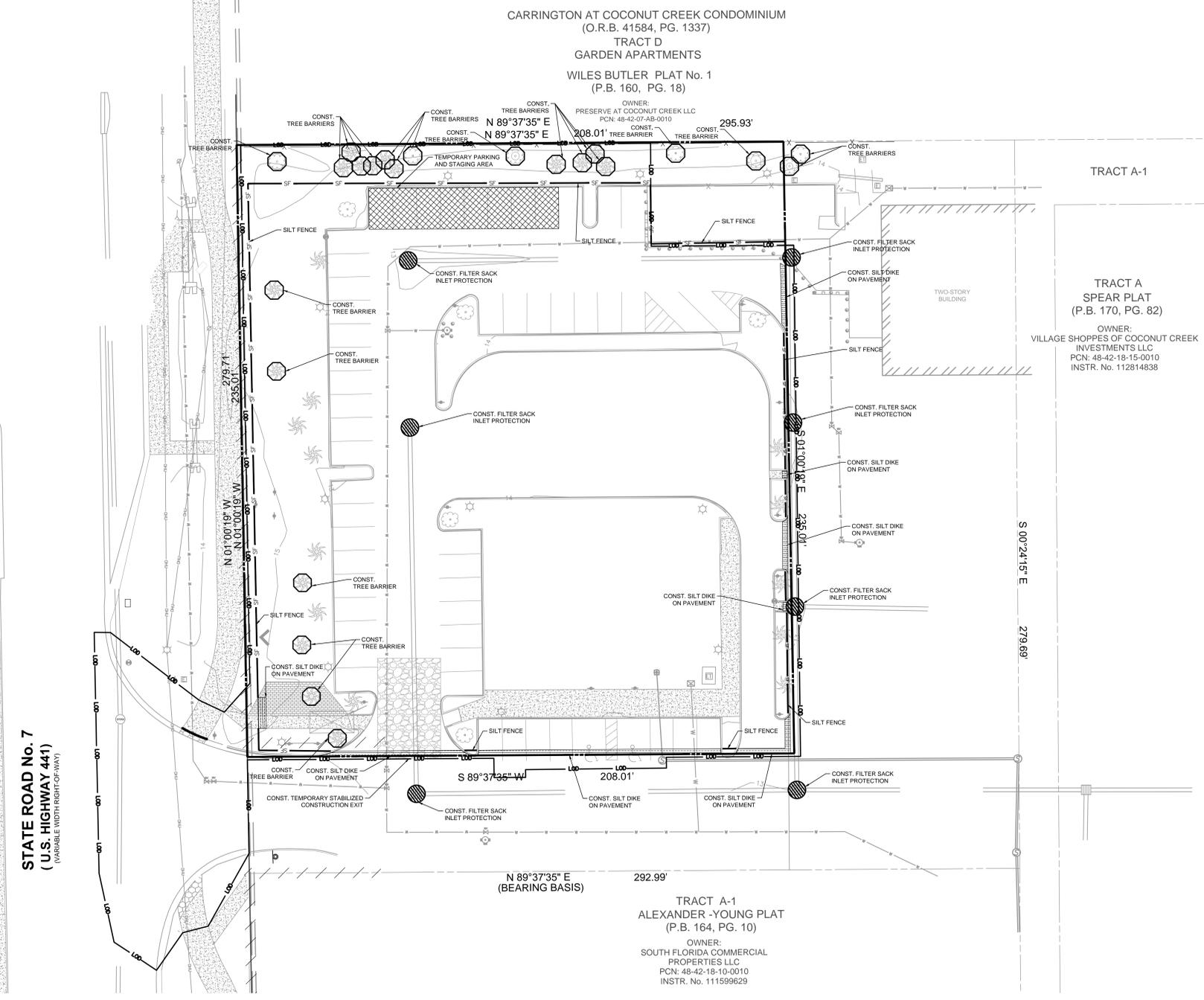
- CONDUCT PRE-CONSTRUCTION MEETING WITH THE CITY TO DISCUSS EROSION AND SEDIMENT CONTROL AND CONSTRUCTION PHASING.
- INSTALL STABILIZED CONSTRUCTION EXIT AND POST SWEEP AND SITE COMPLIANCE SIGNAGE PUBLICLY VISIBLE.
- INSTALL INLET PROTECTION, SILT DIKES, AND SILT FENCE ON THE SITE AS SHOWN WITHIN THE CONSTRUCTION LIMITS.
- INSTALL CONSTRUCTION FENCES AND TEMPORARY TRAFFIC AND PEDESTRIAN CONTROL DEVICES.
- PREPARE TEMPORARY PARKING AND STORAGE AREAS.
- DEMO EXISTING STRUCTURES, PAVEMENT, AND SPECIFIED UTILITIES.
- BEGIN GRADING THE SITE.
- BEGIN CONSTRUCTION OF UTILITIES.
- BEGIN SUBGRADE PREPARATION AND CONSTRUCTION OF STRUCTURES.
- BEGIN INSTALLATION OF CURB, GUTTER, AND PAVING.
- COMPLETE PERMANENT STABILIZATION ON AREAS WHERE CONSTRUCTION HAS COMPLETED.
- COMPLETE FINAL GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.
- OBTAIN CONCURRENCE FROM THE OWNER AND THE CITY THAT THE SITE HAS BEEN FULLY STABILIZED.
- REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES.
- STABILIZE ALL AREAS DISTURBED BY BMP REMOVAL.

CONTRACTOR MAY COMPLETE CONSTRUCTION RELATED ACTIVITIES CONCURRENTLY ONLY IF ALL PRECEDING BMPs HAVE BEEN COMPLETELY INSTALLED.

THE ACTUAL SCHEDULE FOR IMPLEMENTING POLLUTANT CONTROL MEASURES WILL BE DETERMINED BY THE PROJECT CONSTRUCTION PROGRESS AND RECORDED BY THE GENERAL CONTRACTOR ON THESE PLANS.

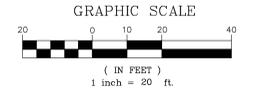
**GENERAL NOTES**

- CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED AND THAT CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DIRECTED BY PERMITTING AGENCY AND OWNER OR AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- PERMIT FOR ANY CONSTRUCTION ACTIVITY MUST BE MAINTAINED ON SITE AT ALL TIMES.
- CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE FDEP GENERIC PERMIT.
- GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
- ALL WASH WATER SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE, SHALL BE INITIATED AS SOON AS PRACTICABLE.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY STOPPED FOR AT LEAST 7 DAYS, SHALL BE TEMPORARILY SEED.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE SODDED/LANDSCAPED PER PLANS. THESE AREA SHALL BE SODDED/LANDSCAPED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.
- IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
- ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
- ON-SITE AND OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH FDEP GENERIC PERMIT REQUIREMENTS.
- SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES TO PREVENT EROSION AND SEDIMENTATION.
- CONTRACTOR SHALL DESIGNATE/IDENTIFY AREAS INSIDE THE LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE.
- CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH THE EROSION CONTROL SEQUENCING SHOWN ON THIS PLAN. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND/OR GRADING SHALL BE PERMITTED.
- ALL EXISTING SIGNALIZATION EQUIPMENT TO REMAIN IS ASSUMED TO BE IN GOOD WORKING ORDER UNLESS NOTICED IS NOTIFIED IN WRITING PRIOR TO THE START OF CONSTRUCTION. ANY SUBSEQUENT DAMAGE TO THE SIGNAL EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.



STATE ROAD No. 7  
(U.S. HIGHWAY 441)  
(VARIABLE WIDTH RIGHT-OF-WAY)

THIS DOCUMENT, TOGETHER WITH THE CONDITIONS AND SPECIFICATIONS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS HEREBY SUBMITTED TO THE CITY OF COCONUT CREEK, FLORIDA, FOR REVIEW AND APPROVAL. THE CITY OF COCONUT CREEK, FLORIDA, IS HEREBY REQUESTING THAT THE CITY ENGINEER REVIEW AND APPROVE THIS INSTRUMENT OF SERVICE. THE CITY ENGINEER'S REVIEW AND APPROVAL DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. THE CITY ENGINEER'S REVIEW AND APPROVAL DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. THE CITY ENGINEER'S REVIEW AND APPROVAL DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION CONTAINED HEREIN.



5200 Buffington Rd.  
Atlanta Georgia,  
30349-2998



Seal

WILLIAM PFEFFER, P.E.  
LICENSE NO. 79058  
5/1/2019

**CHICK-FIL-A**  
**COCONUT CREEK FSR**  
4670 N. STATE ROAD 7  
COCONUT CREEK, FLORIDA 33073

**FSR# 03841**

NO.	DATE	DESCRIPTION
1	7/27/18	REVISED SITE PERMIT SUBMITTAL
2	9/25/18	FOOT & DRG COMMENTS
3	10/17/18	FOOT COMMENTS
4	1/29/19	REVISED SITE PERMIT SUBMITTAL
5	5/1/19	REVISED SITE PERMIT SUBMITTAL

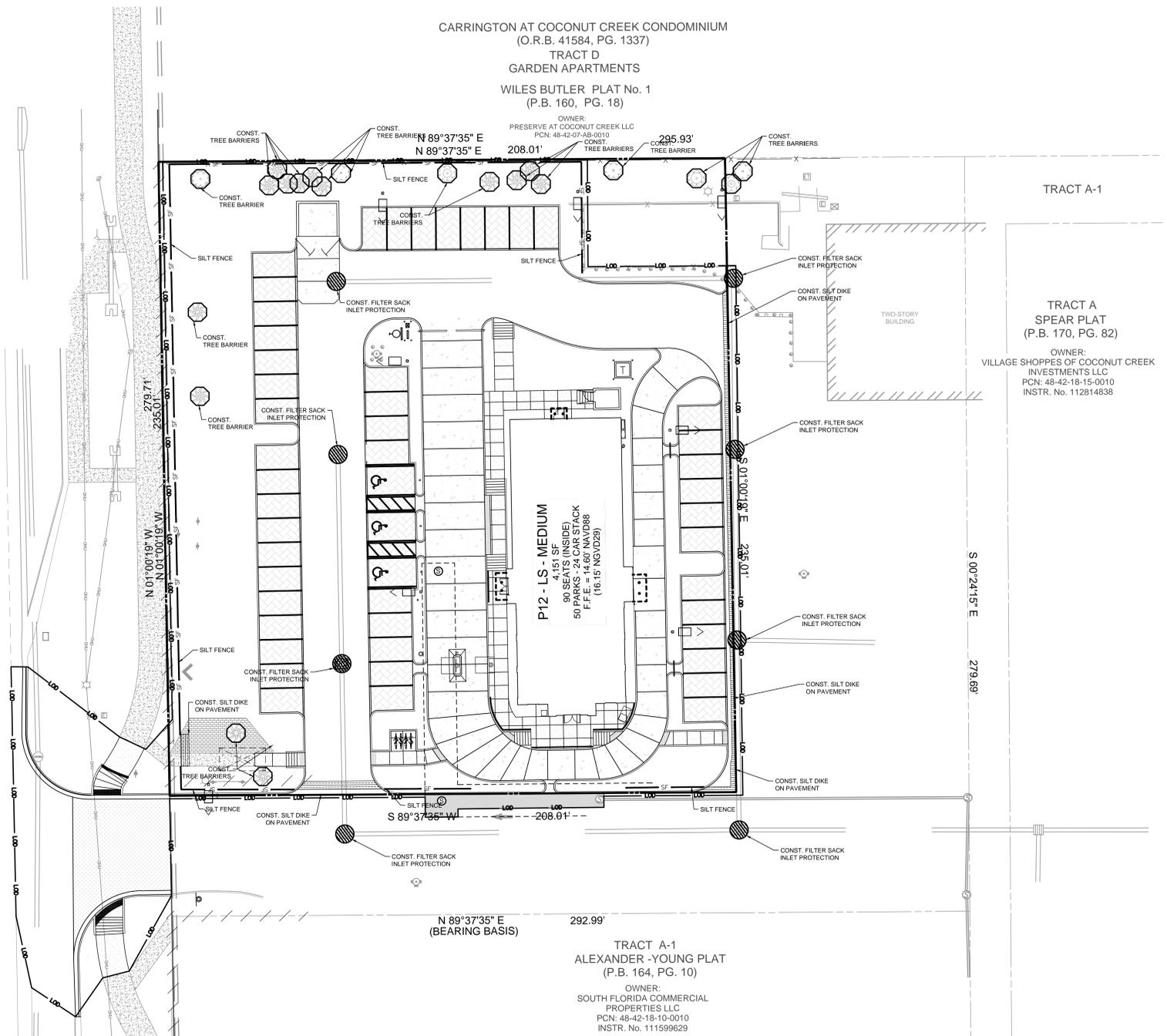
CURRENT DESIGN	2017-029
NOTE APPLIED	
PROJECT #	010014-01-034
PRINTED FOR	PERMIT REVIEW
DATE	5/1/2019
DRAWN BY	RM

Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.

SHEET  
EROSION CONTROL PLAN - PHASE II

SHEET NUMBER  
**C-3.2**

STATE ROAD No. 7  
(U.S. HIGHWAY 441)  
(VARIABLE WIDTH RIGHT-OF-WAY)



LEGEND	
	EXISTING BOUNDARY
	EXISTING EASEMENT
	EXISTING BUILDING
	EXISTING FIRE HYDRANT
	EXISTING WATER METER
	EXISTING CATCH BASIN
	EXISTING SANITARY MANHOLE
	EXISTING POWER POLE
	EXISTING LIGHT POLE
	EXISTING CROSSWALK SIGNAL
	EXISTING PARKING
	EXISTING D CURB
	EXISTING F CURB
	EXISTING EDGE OF PAVEMENT
	PROPOSED TYPE F CURB AND GUTTER
	PROPOSED TYPE "D" CURB
	PROPOSED TYPE "C" INLET
	PROPOSED CURB INLET
	PROPOSED SILT DIKE ON PAVEMENT
	PROPOSED SILT FENCE
	LIMITS OF DISTURBANCE
	PROPOSED SILT FENCE ON PAVEMENT
	PROPOSED STABILIZED CURB ENTRANCE
	TEMPORARY PARKING AND STAGING AREAS
	PROPOSED FILTER SACK INLET PROTECTION
	PROPOSED TREE BARRIER
	PROPOSED LIGHT POLE

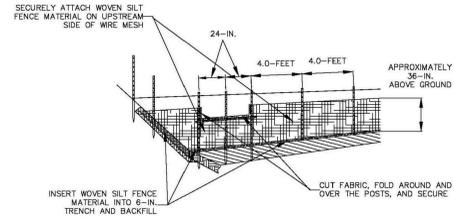
CONSTRUCTION SEQUENCE

- CONDUCT PRE-CONSTRUCTION MEETING WITH THE CITY TO DISCUSS EROSION AND SEDIMENT CONTROLS AND CONSTRUCTION PHASING.
- INSTALL STABILIZED CONSTRUCTION EXIT AND POST SWPPP AND SITE SIGNS TO BE PROMINENTLY VISIBLE.
- INSTALL INLET PROTECTION, SILT DIKES, AND SILT FENCE ON THE SITE AS SHOWN WITHIN THE CONSTRUCTION LIMITS.
- INSTALL CONSTRUCTION FENCES AND TEMPORARY TRAFFIC AND PEDESTRIAN CONTROL DEVICES.
- PREPARE TEMPORARY PARKING AND STORAGE AREAS.
- DEMO EXISTING STRUCTURES, PAVEMENT, AND SPECIFIED UTILITIES.
- BEGIN GRADING THE SITE.
- BEGIN CONSTRUCTION OF UTILITIES.
- BEGIN SUBGRADE PREPARATION AND CONSTRUCTION OF STRUCTURES.
- BEGIN INSTALLATION OF CURBS, GUTTER, AND PAVING.
- COMPLETE PERMANENT STABILIZATION ON AREAS WHERE CONSTRUCTION HAS COMPLETED.
- COMPLETE FINAL GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.
- OBTAIN CONCURRENCE FROM THE OWNER AND THE CITY THAT THE SITE HAS BEEN FULLY STABILIZED.
- REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES.
- STABILIZE ALL AREAS DISTURBED BY BMP REMOVAL.

GENERAL NOTES

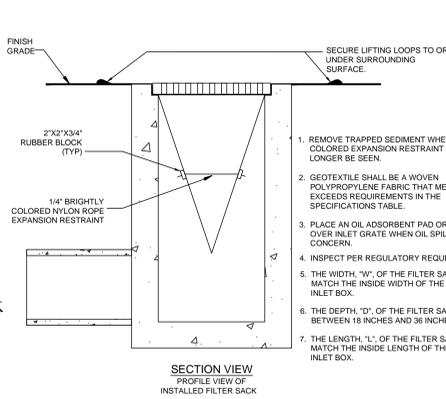
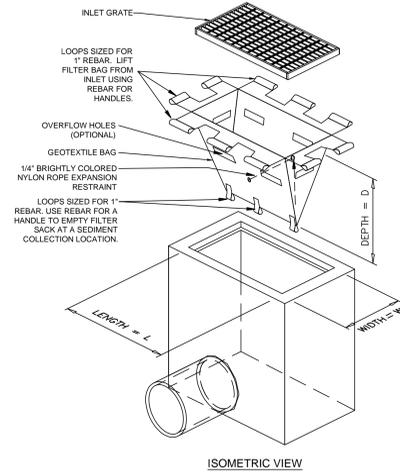
- CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED AND THAT CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DIRECTED BY PERMITTING AGENCY AND OWNER OR AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- PERMIT FOR ANY CONSTRUCTION ACTIVITY MUST BE MAINTAINED ON SITE AT ALL TIMES.
- CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE FDEP GENERIC PERMIT.
- GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
- ALL WASH WATER SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- ALL STORAGE WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE, SHALL BE INITIATED AS SOON AS PRACTICABLE.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY STOPPED FOR AT LEAST 7 DAYS, SHALL BE TEMPORARILY SEEDED.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE SEEDED/LANDSCAPED PER PLANS. THESE AREAS SHALL BE SEEDED/LANDSCAPED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.
- IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
- ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
- ON-SITE AND OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH FDEP GENERIC PERMIT REQUIREMENTS.
- SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES TO PREVENT EROSION AND SEDIMENTATION.
- CONTRACTOR SHALL DESIGNATE/IDENTIFY AREAS INSIDE THE LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE.
- CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH THE EROSION CONTROL SEQUENCING SHOWN ON THIS PLAN. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND/OR GRADING SHALL BE PERMITTED.
- ALL EXISTING SIGNALIZATION EQUIPMENT TO REMAIN IS ASSUMED TO BE IN GOOD WORKING ORDER UNLESS NOTICED IN WRITING PRIOR TO THE START OF CONSTRUCTION. ANY SUBSEQUENT DAMAGE TO THE SIGNAL EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE.

THIS DOCUMENT, TOGETHER WITH THE CONTRACT AND SPECIAL PROVISIONS, SHALL BE THE SOLE REFERENCE FOR THE PROJECT. ANY CHANGES TO THIS DOCUMENT SHALL BE MADE BY A REVISION SHEET. THE USER OF THIS DOCUMENT SHALL BE RESPONSIBLE TO OBTAIN NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER OF THIS DOCUMENT SHALL BE RESPONSIBLE TO OBTAIN NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.



**1**  
C-3.3  
**SILT FENCE PER FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL**  
NOT TO SCALE

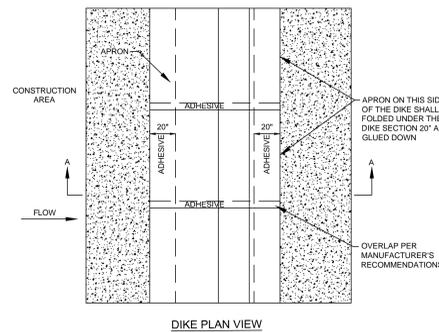
DO NOT DEPLOY IN A MANNER THAT SILT FENCE WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.



**2**  
C-3.3  
**INLET FILTER DETAIL**  
NOT TO SCALE

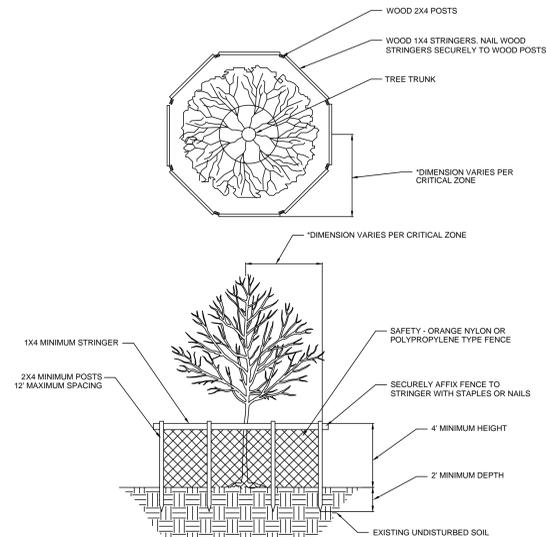
1. REMOVE TRAPPED SEDIMENT WHEN BRIGHTLY COLORED EXPANSION RESTRAINT CAN NO LONGER BE SEEN.
2. GEOTEXTILE SHALL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
3. PLACE AN OIL ADSORBENT PAD OR PILLOW OVER INLET GRATE WHEN OIL SPILLS ARE A CONCERN.
4. INSPECT PER REGULATORY REQUIREMENTS.
5. THE WIDTH, "W," OF THE FILTER SACK SHALL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
6. THE DEPTH, "D," OF THE FILTER SACK SHALL BE BETWEEN 18 INCHES AND 36 INCHES.
7. THE LENGTH, "L," OF THE FILTER SACK SHALL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX.

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4633	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4530	120 LBS
UV RESISTANCE	ASTM D-4258	80 %
APPEARANT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4469	40 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4461	0.55 SEC-1
MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4633	115 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4530	45 LBS
UV RESISTANCE	ASTM D-4255	90 %
APPEARANT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4461	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4461	1.5 SEC-1



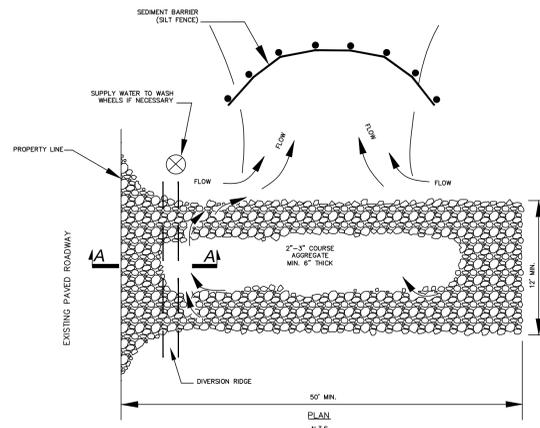
**3**  
C-3.3  
**SILT DIKE ON EXISTING PAVEMENT**  
NOT TO SCALE

- NOTES:
1. INSTALLED SILT DIKE UNIT SHALL HAVE CONTINUOUS AND FIRM CONTACT WITH PAVEMENT.
  2. ADHESIVES SHALL BE LIQUID NAIL OR APPROVED EQUAL FOR CONCRETE PAVEMENT APPLICATIONS AND EMULSIFIED ASPHALT FOR ASPHALT APPLICATIONS. ADHESIVE SHALL BE PLACED WHERE THE UNITS OVERLAP AND A 20' STRIP ALONG BOTH EDGES.



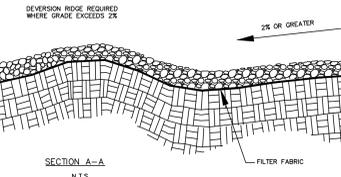
- NOTES:
1. CRITICAL PROTECTION ZONE: THE AREA SURROUNDING A TREE WITHIN A CIRCLE DESCRIBED BY A RADIUS OF ONE FOOT FOR EACH INCH OF THE TREE TRUNK DIAMETER AT 54" ABOVE FINISHED GRADE. FOR GROUPS OF TREES, PLACE BARRICADES BETWEEN TREES AND CONSTRUCTION ACTIVITY.
  2. TREE PROTECTION BARRICADE SHALL BE LOCATED TO PROTECT A MINIMUM OF 75% OF THE CRITICAL PROTECTION ZONE.

**4**  
C-3.3  
**TREE BARRIER**  
NOT TO SCALE

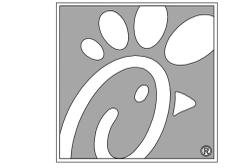


**5**  
C-3.3  
**STABILIZED CONSTRUCTION ENTRANCE**  
NOT TO SCALE

- NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN-OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
  2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
  3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
  4. ANY SEDIMENT TRACKED ONTO ROADWAYS SHALL BE SWEEPED BACK ONTO SITE AT THE END OF EACH WORKING DAY.



NOTE:  
USE SILT FENCE ONLY



**Chick-fil-A**

5200 Buffington Rd.  
Atlanta Georgia,  
30349-2998

**Bowman**  
CONSULTING  
Certificate of Accreditation License No. 30002  
13450 Sunrise Blvd., Suite 200  
Sunrise, FL 33333  
Phone: (954) 314-8486  
www.bowmanconsulting.com  
© Bowman Consulting Group, Ltd.

Seal

WILLIAM PFEFFER, P.E.  
LICENSE NO. 73058  
5/1/2019

**CHICK-FIL-A**  
**COCONUT CREEK FSR**  
4670 N. STATE ROAD 7  
COCONUT CREEK, FLORIDA 33073

**FSR# 03841**

REVISION SCHEDULE		
NO.	DATE	DESCRIPTION
1	7/27/18	REVISED SITE PERMIT SUBMITTAL
2	9/25/18	DOT & DRC COMMENTS
3	10/17/18	DOT COMMENTS
4	1/29/19	REVISED SITE PERMIT SUBMITTAL
5	5/1/19	REVISED SITE PERMIT SUBMITTAL

CURRENT DESIGN	2017-029
NOTE APPLIED	
PROJECT #	010014-01-034
PRINTED FOR	PERMIT REVIEW
DATE	5/1/2019
DRAWN BY	RM

Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.

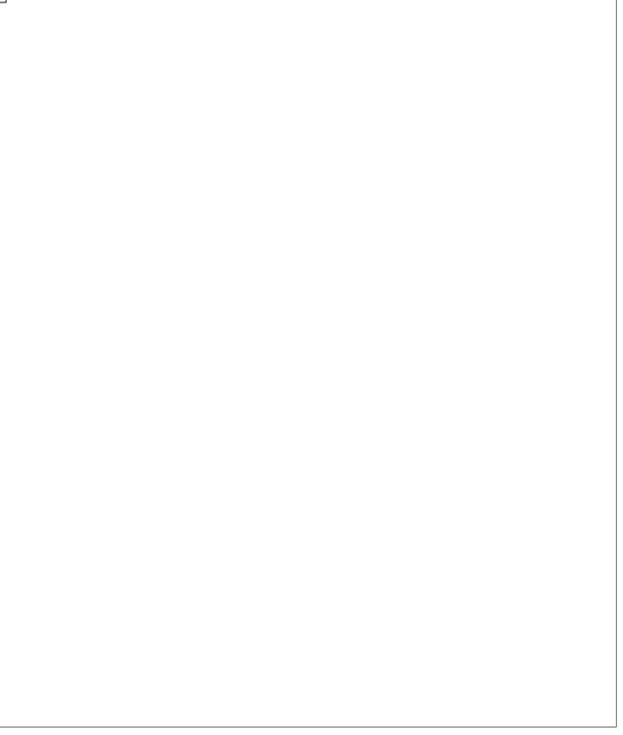
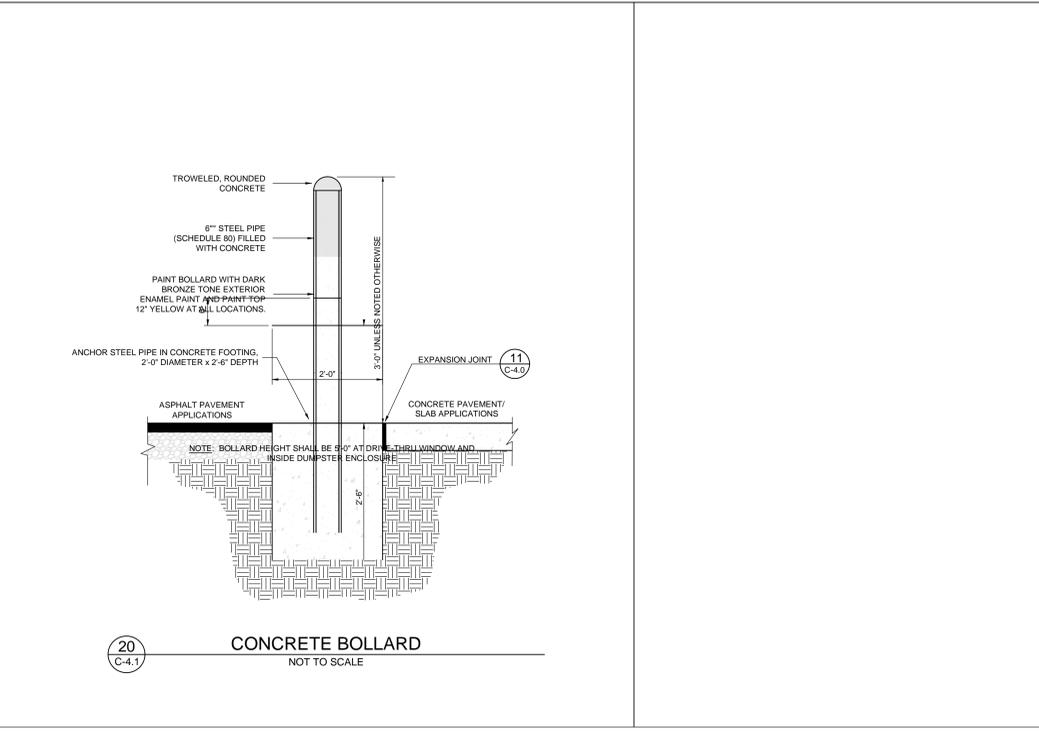
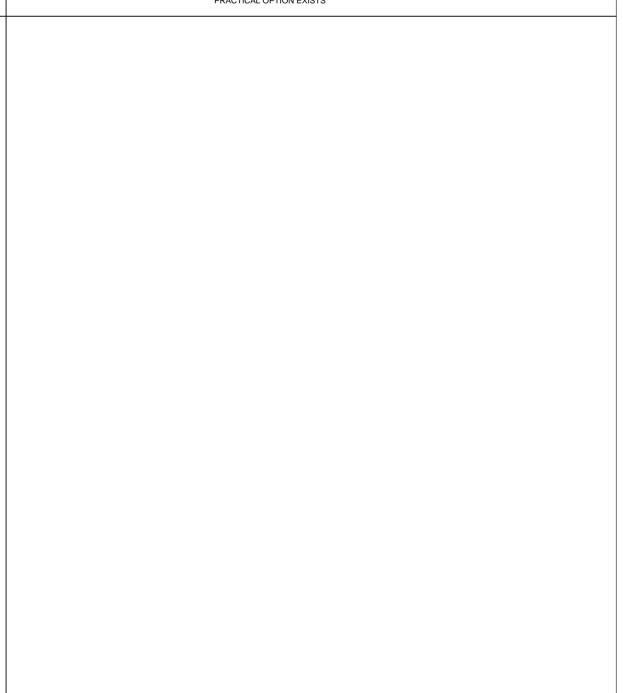
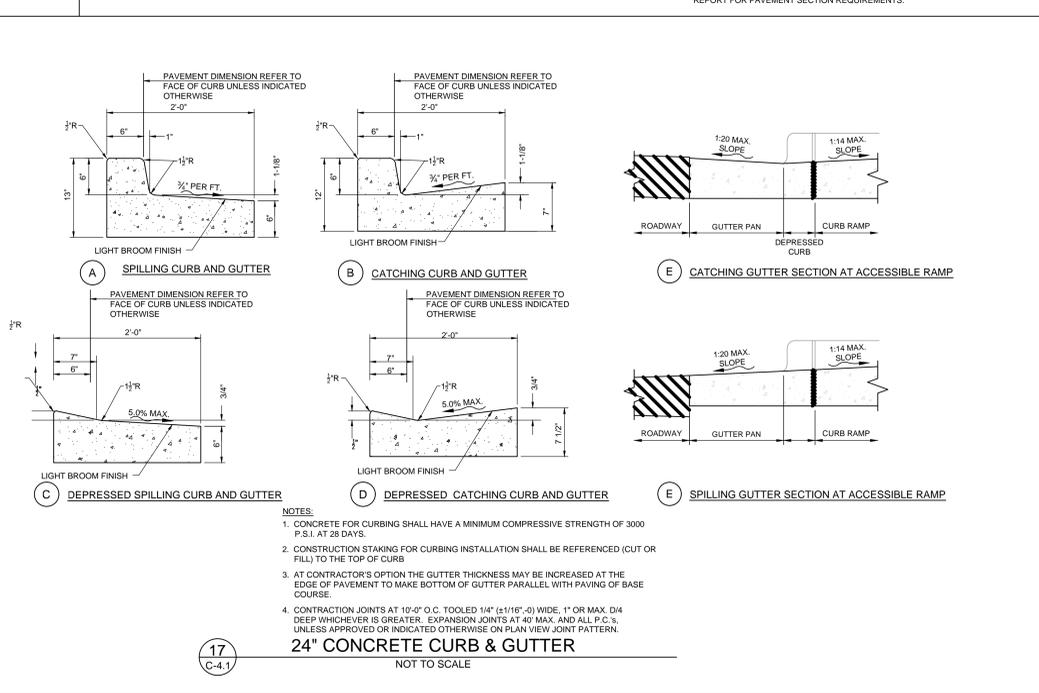
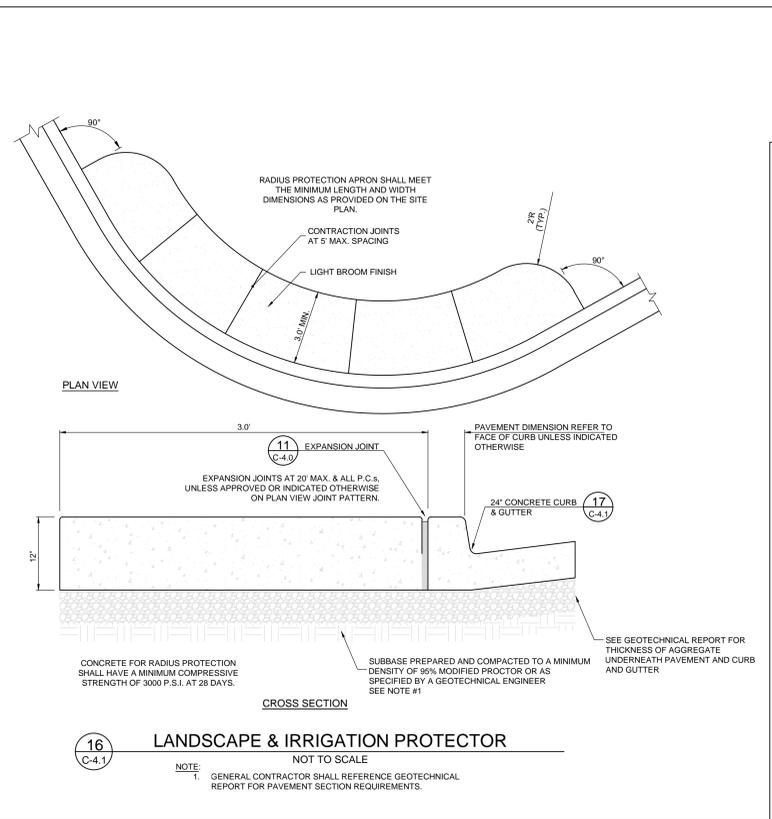
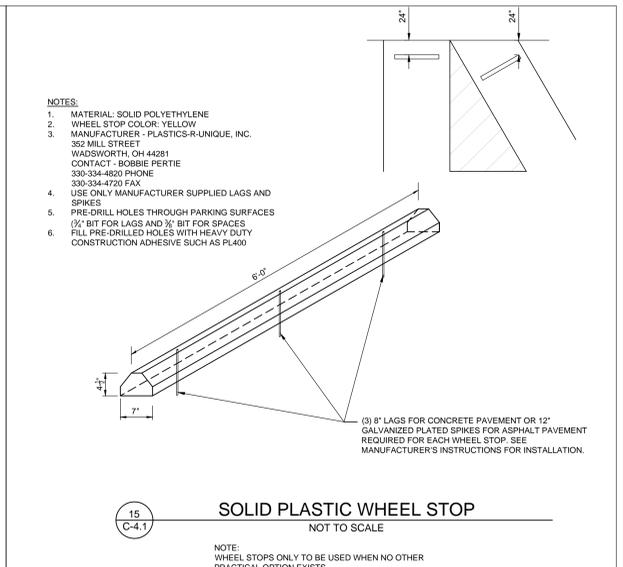
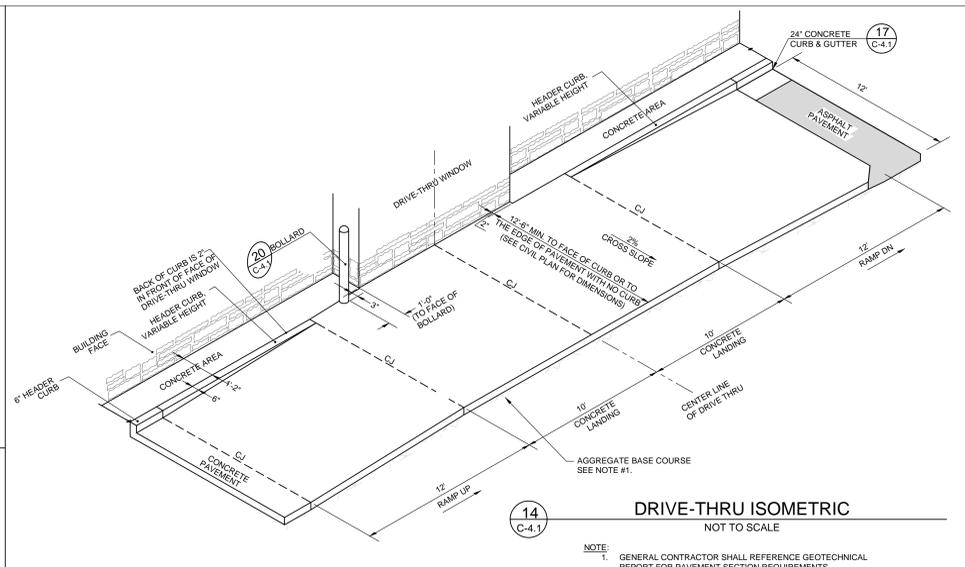
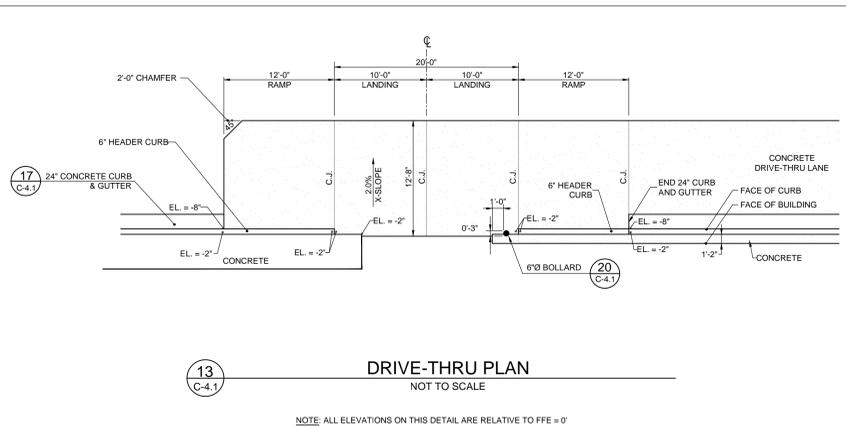
SHEET  
EROSION CONTROL DETAILS

SHEET NUMBER

**C-3.3**

THIS DOCUMENT, TOGETHER WITH THE CONTRACT, AND EXHIBITS HERETO, SHALL BE THE SOLE AGREEMENT OF THE PARTIES. IT IS HEREBY AGREED THAT THE SPECIFIC CONTRACT AND EXHIBITS HERETO SHALL BE THE SOLE AGREEMENT OF THE PARTIES. NO OTHER AGREEMENTS, CONDITIONS, OR UNDERSTANDINGS SHALL BE BINDING ON THE PARTIES UNLESS THEY ARE INCORPORATED INTO THIS DOCUMENT BY REFERENCE TO THIS DOCUMENT.





5200 Buffington Rd.  
Atlanta Georgia,  
30349-2998

**Bowman CONSULTING**  
13450 Sunrise Blvd., Suite 320  
Sunrise, FL 33333  
Phone: (954) 314-8486  
www.bowmanconsulting.com  
© Bowman Consulting Group, Ltd.

Seal

WILLIAM PFEFFER, P.E.  
LICENSE NO. 73058  
5/1/2019

**CHICK-FIL-A**  
**COCONUT CREEK FSR**  
4670 N. STATE ROAD 7  
COCONUT CREEK, FLORIDA 33073

**FSR# 03841**

NO.	DATE	DESCRIPTION
1	7/27/18	REVISED SITE PERMIT SUBMITTAL
2	9/25/18	DOT & DRC COMMENTS
3	10/17/18	DOT COMMENTS
4	1/29/19	REVISED SITE PERMIT SUBMITTAL
5	5/1/19	REVISED SITE PERMIT SUBMITTAL

CURRENT DESIGN	2017-029
NOTE APPLIED	
PROJECT #	010014-01-034
PRINTED FOR	PERMIT REVIEW
DATE	5/1/2019
DRAWN BY	RM

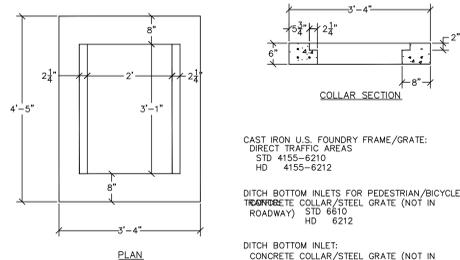
Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.

SHEET CHICK-FIL-A SITE DETAILS

SHEET NUMBER **C-4.1**

THIS DOCUMENT, TOGETHER WITH THE CONTRACT AND SPECIFICATIONS, IS INTENDED TO BE USED AS AN INSTRUMENT OF SERVICE. IT IS HEREBY AGREED THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THIS DOCUMENT. ANY INFORMATION NOT SHOWN ON THIS DOCUMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THIS DOCUMENT. ANY INFORMATION NOT SHOWN ON THIS DOCUMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

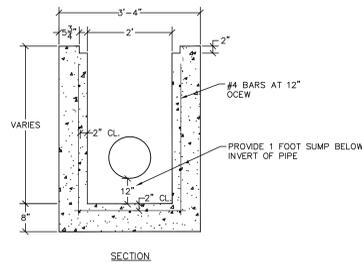




CAST IRON U.S. FOUNDRY FRAME/GRATE:  
DIRECT TRAFFIC AREAS  
STD 4155-6210  
HD 4155-6212

DITCH BOTTOM INLETS FOR PEDESTRIAN/BICYCLE  
TRAFFIC: CONCRETE COLLAR/STEEL GRATE (NOT IN  
ROADWAY) STD 6610  
HD 6212

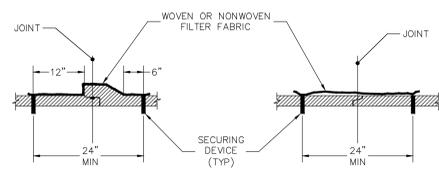
DITCH BOTTOM INLET:  
CONCRETE COLLAR/STEEL GRATE (NOT IN  
ROADWAY) STD 6210  
HD 6611



NOTES:

- DISTANCES BETWEEN STRUCTURES SHALL NOT EXCEED 300 FEET FOR PIPES LESS THAN 24" IN DIAMETER.
- DISTANCES BETWEEN INLET STRUCTURES SHALL NOT EXCEED 400 FEET FOR PIPES 24" DIAMETER OR LARGER.
- METAL FRAME AND GRATE SHALL BE USED IN ASPHALT AND CONCRETE AREAS. ROUND BOTTOMS MAY BE USED.
- INSTALLATION OF ALL PIPE AND STRUCTURES MUST MEET THE BEDDING, INSTALLATION AND BACKFILL REQUIREMENTS FOR NEW STRUCTURES AND PIPE ON DETAIL SW-5.

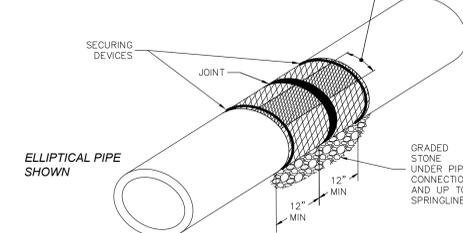
1 TYPE C INLET  
C-5.0 NOT TO SCALE



PIPE SECTIONS

NOTE:

- SECURING DEVICES MAY BE ELIMINATED BY DOUBLE WRAPPING PIPE WITH FILTER FABRIC.
- FOR ALL PIPE TYPES - CONCRETE PIPE SHOWN.
- WOVEN OR NONWOVEN FILTER FABRIC, FDOT TYPE D-3.
- SEE THE LATEST EDITION OF FDOT INDEX 199 FOR ACCEPTABLE SECURING DEVICES.
- COST OF FILTER FABRIC JACKET TO BE INCLUDED IN THE COST OF PIPE CULVERTS.
- INSTALLATION OF ALL PIPE AND STRUCTURES MUST MEET THE BEDDING, INSTALLATION AND BACKFILL REQUIREMENTS FOR NEW STRUCTURES AND PIPE ON DETAIL SW-5.



ELLIPTICAL PIPE SHOWN

2 FILTER FABRIC FOR STORM PIPE  
C-5.0 NOT TO SCALE

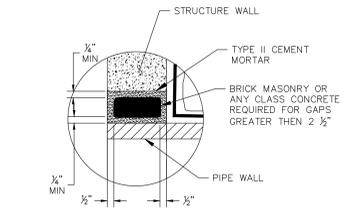
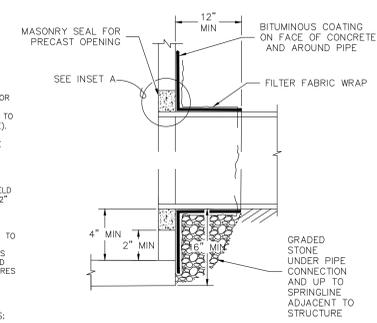
THIS DETAIL COVERS ALL PIPE CONNECTIONS TO STRUCTURES.

NEW PIPE CONNECTION NOTES:

- CONNECTION SHALL BE MADE IN A DRY TRENCH.
- EXISTING STRUCTURES SHALL BE CORED FOR NEW PIPE CONNECTIONS.
- PIPE BEDDING AT CONNECTION TO BE 1/2" TO 3/4" GRADED STONE (100% PASSING 1" SIEVE).
- BACKFILL (6" MAX. SIZE) MATERIAL TO BE PLACED AND COMPACTED PER APPROPRIATE SPEC'S DEPENDING ON THE SURFACE IMPROVEMENTS OR A MINIMUM OF 50% PER AASHTO T-180.
- BITUMINOUS COATING REQUIRED (ANY SUITABLE BITUMINOUS MATERIAL MAY BE FIELD APPLIED) BITUMINOUS COATING TO EXTEND 2" BEYOND FILTER FABRIC.
- ALTERNATE CONNECTION AND/OR MODIFICATION TO THIS DETAIL MUST BE APPROVED BY THE TOWN OF JUPITER PRIOR TO INSTALLATION.
- INSTALLATION OF ALL PIPE AND STRUCTURES MUST MEET THE BEDDING, INSTALLATION AND BACKFILL REQUIREMENTS FOR NEW STRUCTURES AND PIPE ON DETAIL SW-5.

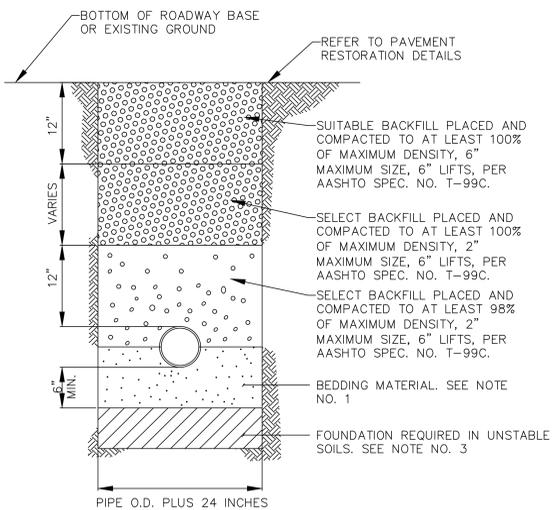
EXISTING PIPE CONNECTION REPAIR NOTES:

- CONNECTION REPAIR SHALL BE MADE IN A DRY TRENCH.
- REPAIR BOTH THE INSIDE AND OUTSIDE OF THE STRUCTURE PENETRATIONS.
- CHIP AWAY ANY LOOSE MATERIAL.
- SAW CUT OR CUT BACK THE EXTREMITIES OF THE REPAIR LOCATION TO A DEPTH OF 1/2" TO AVOID FLATHER EDGING.
- MINIMUM MUD THICKNESS FOR REPAIR IS 1/2". WHERE BREAKING OUT IS NOT REQUIRED, ROUGHEN THE SURFACE AND REMOVE ANY LAITANCE BY LIGHT SCABBING OR ABRASIVE BLASTING.
- CLEAN SURFACE TO REMOVE ANY DUST, UNBOUND OR CONTAMINATED MATERIAL, PLASTER, PAINT, OIL, GREASE, CORROSION DEPOSITS OR ALGAE.
- APPLY THOROC L440 OR APPROVED EQUAL IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- ALTERNATE CONNECTION AND/OR MODIFICATION TO THIS DETAIL MUST BE APPROVED BY THE TOWN OF JUPITER PRIOR TO INSTALLATION.
- ITEMS 3 THROUGH 6 UNDER NEW PIPE CONNECTION NOTES ABOVE APPLY TO REPAIR ON OUTSIDE OF STRUCTURE.
- INSTALLATION OF ALL PIPE AND STRUCTURES MUST MEET THE BEDDING, INSTALLATION AND BACKFILL REQUIREMENTS FOR NEW STRUCTURES AND PIPE ON DETAIL SW-5.



INSET A

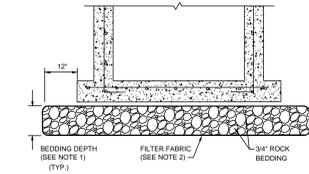
3 PIPE TO STRUCTURE CONNECTION  
C-5.0 NOT TO SCALE



NOTES:

- UNLESS OTHERWISE SPECIFIED, BEDDING MATERIAL SHALL CONSIST OF SELECT BACKFILL MATERIAL 2" MAX. SIZE, COMPACTED TO AT LEAST 100% OF MAX. DENSITY, 6" LIFTS, PER AASHTO SPEC. NO. T-99C.
- WHERE REQUIRED, SHEETING AND SHORING SHALL BE IN ACCORDANCE WITH OSHA REQUIREMENTS.
- WHERE UNSTABLE SOILS ARE ENCOUNTERED, INCLUDING PEAT, MUCK OR OTHER ORGANIC SOILS, ELASTIC SILT AND CLAYS, A FOUNDATION IS REQUIRED AS DETERMINED BY THE ENGINEER OF RECORD.

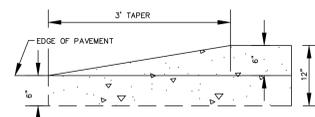
4 TYPICAL BACKFILL  
C-5.0 NOT TO SCALE



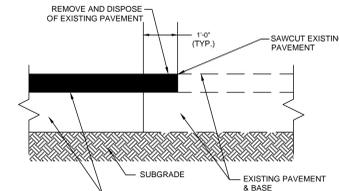
NOTES:

- BEDDING DEPTH SHALL BE 10" UNDER DRAINAGE STRUCTURES AND 18" UNDER SANITARY STRUCTURES.
- ROCK SHALL BE WRAPPED IN FILTER FABRIC THAT MEETS THE REQUIREMENTS OF F.D.O.T. SPECIFICATION SECTION 865.

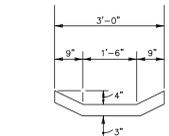
5 STANDARD BEDDING  
C-5.0 NOT TO SCALE



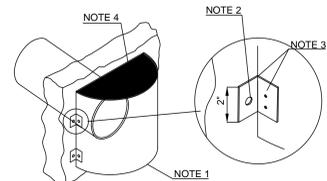
6 CURB TRANSITION  
C-5.0 NOT TO SCALE



7 SAWCUT DETAIL  
C-5.0 NOT TO SCALE



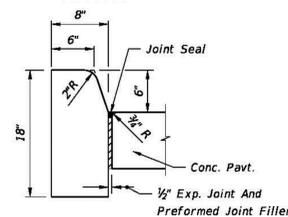
8 CONCRETE FLUME  
C-5.0 NOT TO SCALE



BAFFLE DETAIL

BRACKET DETAIL

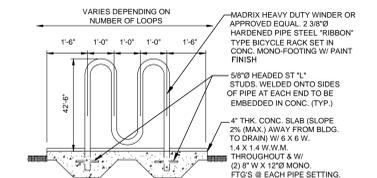
9 POLLUTION RETARDANT BASIN & BAFFLE  
C-5.0 NOT TO SCALE



TYPE D

Note: For use adjacent to concrete or flexible pavement, concrete shown. Expansion joint, preformed joint filler and joint seal are required between curbs and concrete pavement only, see Sheet 2.

10 FDOT TYPE D CURB  
C-5.0 NOT TO SCALE



11 BICYCLE RACK DETAIL  
C-5.0 NOT TO SCALE

THIS DOCUMENT, TOGETHER WITH THE CONTRACT AND SPECIAL PROVISIONS HEREIN, IS AN INSTRUMENT OF SERVICE. AS AN INSTRUMENT OF SERVICE, IT IS INTENDED THAT THE SPECIFIC CONTRACT AND SPECIAL PROVISIONS BE REVISED PERMITS TO BE ISSUED BY THE TOWN OF JUPITER. THE CONTRACT AND SPECIAL PROVISIONS SHALL BE REVISED PERMITS TO BE ISSUED BY THE TOWN OF JUPITER.



Chick-fil-A

5200 Buffington Rd.  
Atlanta Georgia,  
30349-2998

**Bowman**  
CONSULTING

Florida Professional License No. 30422  
13450 Sunrise Blvd., Suite 320  
Sunrise, FL 33333  
Phone: (954) 314-8466  
www.bowmanconsulting.com  
© Bowman Consulting Group, Inc.

Seal

WILLIAM PFEFFER, P.E.  
LICENSE NO. 730558  
5/1/2019

**CHICK-FIL-A**  
**COCONUT CREEK FSR**  
4670 N. STATE ROAD 7  
COCONUT CREEK, FLORIDA 33073

**FSR# 03841**

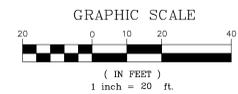
NO.	DATE	DESCRIPTION
1	7/27/18	REVISED SITE PERMIT SUBMITTAL
2	9/25/18	FDOT & DRC COMMENTS
3	10/17/18	DOT COMMENTS
4	1/29/19	REVISED SITE PERMIT SUBMITTAL
5	5/1/19	REVISED SITE PERMIT SUBMITTAL

CURRENT DESIGN NOTE APPLIED	2017-029
PROJECT #	010014-01-034
PRINTED FOR	PERMIT REVIEW
DATE	5/1/2019
DRAWN BY	RM

Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.

SHEET PAVING & DRAINAGE DETAILS

SHEET NUMBER  
**C-5.0**



5200 Buffington Rd.  
Atlanta Georgia,  
30349-2998

**Bowman**  
CONSULTING  
Certificate of Registration License No. 30622  
13450 Sunrise Blvd., Suite 320  
Sunrise, FL 33333  
Phone: (954) 314-8468  
www.bowmanconsulting.com  
© Bowman Consulting Group, Inc.

Seal

WILLIAM PEEFFER, P.E.  
LICENSE NO. 73058  
5/1/2019

**CHICK-FIL-A**  
**COCONUT CREEK FSR**  
4670 N. STATE ROAD 7  
COCONUT CREEK, FLORIDA 33073

**FSR# 03841**

NO.	DATE	DESCRIPTION
1	7/27/18	REVISED SITE PERMIT SUBMITTAL
2	9/25/18	FOOT & DRG COMMENTS
3	10/17/18	FOOT COMMENTS
4	1/29/19	REVISED SITE PERMIT SUBMITTAL
5	5/1/19	REVISED SITE PERMIT SUBMITTAL

CURRENT DESIGN NOTE APPLIED	2017-029
PROJECT #	010014-01-034
PRINTED FOR	PERMIT REVIEW
DATE	5/1/2019
DRAWN BY	RM

Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.

SHEET UTILITY PLAN

SHEET NUMBER PS-1.0

LEGEND	
	EXISTING BOUNDARY
	EXISTING FIRE HYDRANT
	EXISTING WATER METER
	EXISTING CATCH BASIN
	EXISTING SANITARY MANHOLE
	EXISTING STORM SERVICE
	EXISTING SANITARY SERVICE
	EXISTING WATER SERVICE
	EXISTING VALVE
	EXISTING POWER POLE
	EXISTING LIGHT POLE
	EXISTING CROSSWALK SIGNAL
	PROPOSED TYPE F CURB AND GUTTER
	PROPOSED TYPE 'D' CURB
	PROPOSED INLET
	PROPOSED CURB INLET
	PROPOSED TRANSFORMER
	PROPOSED SANITARY SERVICE
	PROPOSED WATER SERVICE
	PROPOSED ELECTRIC SERVICE
	PROPOSED TELEPHONE SERVICE
	PROPOSED FPL EASEMENT
	PROPOSED WATER METER
	PROPOSED BACKFLOW PREVENTER
	PROPOSED TAPPING SLEEVE
	PROPOSED GATE VALVE
	PROPOSED LIGHT POLE

PLAN NOTES

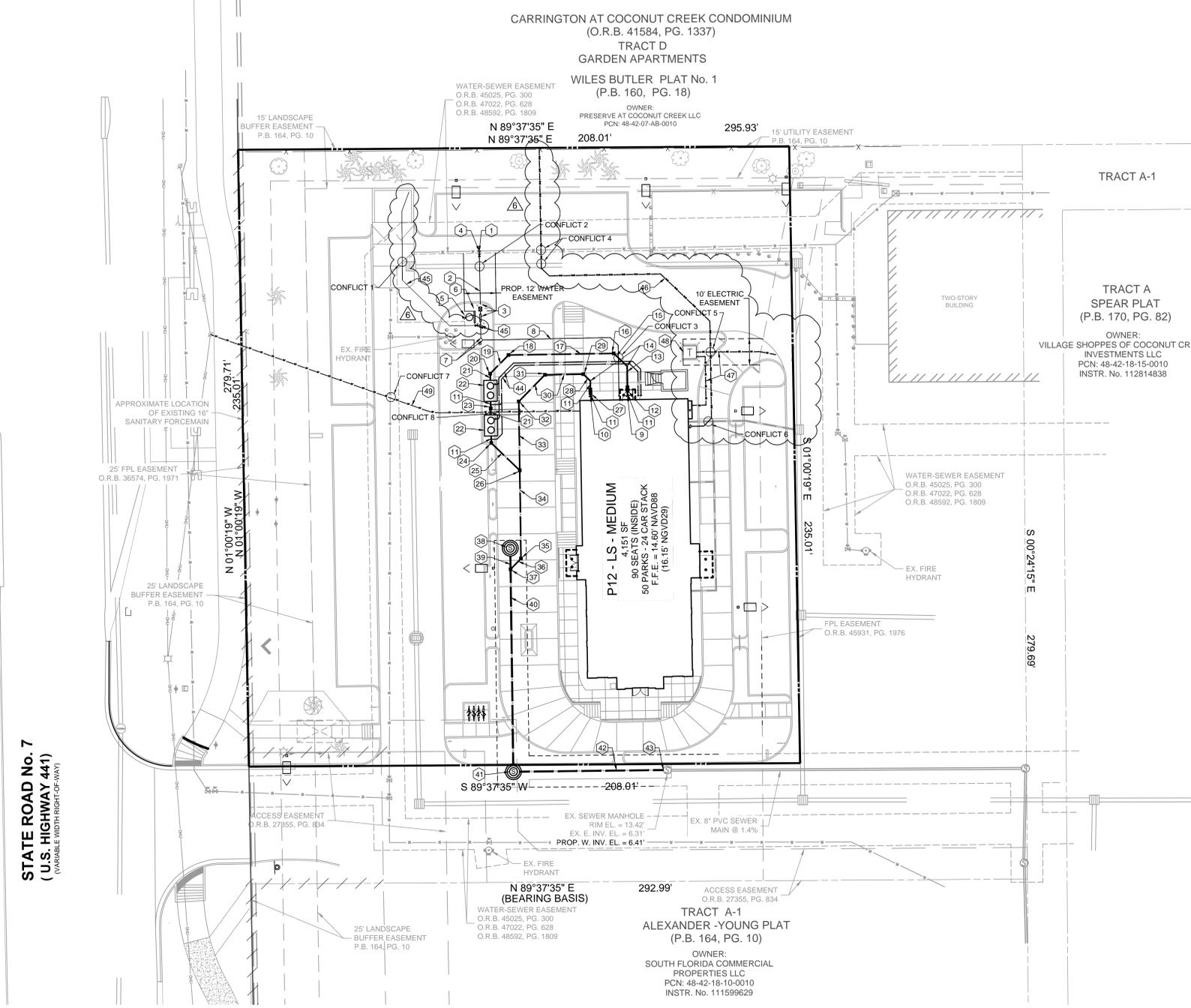
- CONST. DOUBLE STRAP SADDLE TAP WITH 2" CORPORATION STOP. CONTRACTOR TO CONFIRM LOCATION, SIZE, AND ELEVATION OF EXISTING MAIN AT START OF CONSTRUCTION.
- CONST. 20 LF 2" PVC PIPE DOMESTIC WATER SERVICE.
- 1 1/2" DOMESTIC WATER METER AND 1 1/2" REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER ASSEMBLY.
- SEE DETAIL FOR TYPICAL WATER SERVICE INSTALLATION.
- CONST. IRRIGATION WELL (SEE IRRIGATION PLANS FOR CONTINUATION).
- CONST. IRRIGATION WELL CONTROL PANEL.
- CONST. 2'-45" BEND.
- CONST. 81 LF OF 2" PVC WATER SERVICE TO BUILDING.
- 6" PVC GREASE LINE FROM BUILDING, INV. ELEV. = 10.58' (REFER TO ARCHITECTURALS FOR CONTINUATION INTO BUILDING).
- 6" PVC SANITARY LINE FROM BUILDING, INV. ELEV. = 9.94' (REFER TO ARCHITECTURALS FOR CONTINUATION INTO BUILDING).
- CONST. 3 LF OF 6" PVC SANITARY SERVICE @ 1.0%.
- CONST. CLEANOUT WITH INV. EL. = 10.55'.
- CONST. 8 LF OF 6" PVC SANITARY SERVICE @ 1.0%.
- CONST. 7 LF OF 6" PVC SANITARY SERVICE @ 1.0%.
- CONST. 39 LF OF 6" PVC SANITARY SERVICE @ 1.0%.
- CONST. 6'-45" BEND WITH CLEANOUT WITH INV. EL. = 9.94'.
- CONST. 10 LF OF 6" PVC SANITARY SERVICE @ 1.0%.
- CONST. 6'-45" BEND WITH CLEANOUT WITH INV. EL. = 9.86'.
- CONST. 2 LF OF 6" PVC SANITARY SERVICE @ 1.0%.
- TWO (2) 1000 GALLON GREASE TRAPS (REFER TO ARCHITECTURALS FOR DIMENSIONS).
- CONST. CLEANOUT WITH INV. EL. = 9.83'.
- CONST. 6'-45" BEND WITH CLEANOUT WITH INV. EL. = 9.40'.
- CONST. 15 LF OF 6" PVC SANITARY SERVICE @ 1.0%.
- CONST. 6' WYE WITH CLEANOUT WITH INV. EL. = 9.24'.
- CONST. CLEANOUT WITH INV. EL. = 9.91'.
- CONST. 4 LF OF 6" PVC SANITARY SERVICE @ 1.0%.
- CONST. 6'-45" BEND WITH CLEANOUT WITH INV. EL. = 9.81'.
- CONST. 14 LF OF 6" PVC SANITARY SERVICE @ 1.0%.
- CONST. 6'-45" BEND WITH CLEANOUT WITH INV. EL. = 9.66'.
- CONST. 6'-45" BEND WITH CLEANOUT WITH INV. EL. = 9.51'.
- CONST. 26 LF OF 6" PVC SANITARY SERVICE @ 1.0%.
- CONST. 33 LF OF 6" PVC SANITARY SERVICE @ 1.0%.
- CONST. 6'-45" BEND WITH CLEANOUT WITH INV. EL. = 8.90'.
- CONST. 5 LF OF 6" PVC SANITARY SERVICE @ 1.0%.
- CONST. 6'X8" WYE WITH CLEANOUT WITH INV. EL. = 8.84'.
- CONST. SANITARY SEWER MANHOLE RIM EL. = 13.93' S. INV. EL. (8" PVC) = 8.89'.
- CONST. 5 LF OF 8" PVC SEWER MAIN @ 1.0%.
- CONST. 75 LF OF 8" PVC SEWER MAIN @ 1.0%.
- CONST. SANITARY SEWER MANHOLE RIM EL. = 13.99' N. INV. EL. (8" PVC) = 8.05' E. INV. EL. (8" PVC) = 7.95'.
- CONST. 54 LF OF 8" PVC SEWER MAIN @ 1.0%.
- CONNECT TO EXISTING SANITARY SEWER MANHOLE WITH DROP CONNECTION W. UPPER INV. EL. (8" PVC) = 7.44' W. LOWER INV. EL. (8" PVC) = 6.41' EX. E. INV. EL. (8" PVC) = 6.31'.
- CONST. 3" SANITARY VENT LINES.
- CONST. 2'X2'X2' TEE WITH VALVE AND 70 LF OF 2" PVC WATER SERVICE TO THE DUMPSTER.
- CONST. BURIED GAS SERVICE.
- BURIED ELECTRICAL SERVICE (PRIMARY RUN FROM EXISTING LINE TO TRANSFORMER CONSTRUCTED BY OTHERS; SECONDARY RUN FROM TRANSFORMER TO BUILDING CONSTRUCTED BY CONTRACTOR).
- TRANSFORMER TO BE CONSTRUCTED BY OTHERS.
- CONST. BURIED COMMUNICATIONS SERVICE.

GENERAL UTILITY NOTES

- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND IS RESPONSIBLE TO REPAIR ANY DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION AT NO COST TO THE OWNER.
- ALL UTILITIES ARE SHOWN FROM INFORMATION GATHERED AND SHOULD NOT BE USED AS EXACT. CONTRACTOR SHALL VERIFY EXACT DEPTHS AND LOCATIONS PRIOR TO UTILITY INSTALLATION.
- CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY FOR INSTALLATION AND SPECIFICATION REQUIREMENTS.
- ALL PIPE MATERIALS SHALL COMPLY WITH LOCAL REGULATIONS AND STANDARDS.
- ALL TRENCHING AND BEDDING SHALL BE PER THE UTILITY TRENCH AND BEDDING DETAIL.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR ALL BUILDING UTILITY TIE INS.
- THE CONTRACTOR IS TO FIELD VERIFY THE EXACT LOCATIONS AND DEPTHS OF UTILITY LINES. THE CITY OF COCONUT CREEK ENGINEERING DEPARTMENT ASSUMES NO RESPONSIBILITY FOR ANY POTENTIAL CONFLICTS.
- ANY WATER AND/OR SEWER CONNECTIONS MUST BE COORDINATED AND SUPERVISED BY UTILITY DISTRICT PERSONNEL. PLEASE GIVE 72 HOURS NOTICE FOR CONNECTIONS.

CONFLICTS

- |   |   |
|---|---|
| <p><b>CONFLICT 1:</b><br/>2" WATER SERVICE TO PASS OVER EXISTING WATER MAIN WITH MINIMUM CLEARANCE OF 12"</p> <p><b>CONFLICT 2:</b><br/>2" WATER SERVICE TO PASS OVER EXISTING STORM WITH MINIMUM CLEARANCE OF 12"<br/>T.O.P. STORM = 10.96'</p> <p><b>CONFLICT 3:</b><br/>2" WATER SERVICE TO PASS OVER SEWER WITH MINIMUM CLEARANCE OF 12"<br/>T.O.P. SEWER = 10.91'</p> <p><b>CONFLICT 4:</b><br/>GAS SERVICE TO PASS OVER EXISTING WATER MAIN &amp; STORM WITH MINIMUM CLEARANCE OF 12"<br/>T.O.P. STORM = 10.31'</p> | <p><b>CONFLICT 5:</b><br/>GAS SERVICE TO PASS OVER ELECTRIC SERVICE WITH MINIMUM CLEARANCE OF 12"</p> <p><b>CONFLICT 6:</b><br/>GAS SERVICE TO PASS OVER STORM WITH MINIMUM CLEARANCE OF 12"<br/>T.O.P. STORM = 10.69'</p> <p><b>CONFLICT 7:</b><br/>COMMUNICATION SERVICE TO PASS OVER EXISTING WATER MAIN WITH MINIMUM CLEARANCE OF 12"</p> <p><b>CONFLICT 8:</b><br/>COMMUNICATIONS SERVICE TO PASS OVER SEWER/SEWER VENTS WITH MINIMUM CLEARANCE OF 12"<br/>T.O.P. SEWER = 10.13'</p> |
|---|---|



STATE ROAD No. 7  
(U.S. HIGHWAY 441)  
(VARIABLE WIDTH RIGHT-OF-WAY)

CARRINGTON AT COCONUT CREEK CONDOMINIUM  
(O.R.B. 41584, PG. 1337)  
TRACT D  
GARDEN APARTMENTS  
WILES BUTLER PLAT No. 1  
(P.B. 160, PG. 18)

OWNER:  
PRESERVE AT COCONUT CREEK LLC  
PCN: 48-42-07-AB-0010

TRACT A  
SPEAR PLAT  
(P.B. 170, PG. 82)  
OWNER:  
VILLAGE SHOPPES OF COCONUT CREEK  
INVESTMENTS LLC  
PCN: 48-42-18-15-0010  
INSTR. No. 112814838

TRACT A-1  
ALEXANDER-YOUNG PLAT  
(P.B. 164, PG. 10)

OWNER:  
SOUTH FLORIDA COMMERCIAL  
PROPERTIES LLC  
PCN: 48-42-18-10-0010  
INSTR. No. 111599629

THIS DOCUMENT, TOGETHER WITH THE CONTRACT, AND EXHIBITS HERETO, REPRESENTS THE ENTIRE AGREEMENT BETWEEN THE PARTIES. IT IS HEREBY CERTIFIED THAT THE SPECIFIC CHANGES AND CLARIFICATIONS TO THIS DOCUMENT HAVE BEEN MADE IN ACCORDANCE WITH THE PROVISIONS OF THE FLORIDA PROFESSIONAL ENGINEERING AND ARCHITECTURE ACT AND THE FLORIDA PROFESSIONAL LAND SURVEYING ACT. ANY CHANGES TO THIS DOCUMENT SHALL BE MADE IN ACCORDANCE WITH THE PROVISIONS OF THE FLORIDA PROFESSIONAL ENGINEERING AND ARCHITECTURE ACT AND THE FLORIDA PROFESSIONAL LAND SURVEYING ACT.



Chick-fil-A

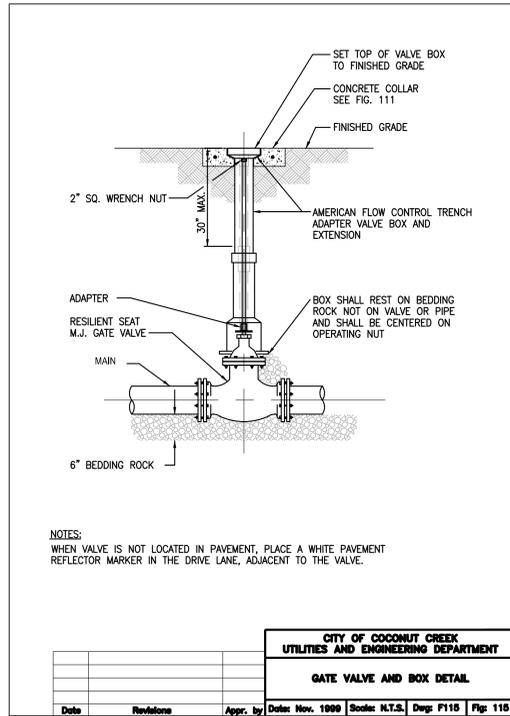
5200 Buffington Rd. Atlanta Georgia, 30349-2998

Bowman CONSULTING

Florida Professional License No. 33622 13450 Sunrise Blvd., Suite 320 Sunrise, FL 33333 Phone: (954) 314-8486 www.bowmanconsulting.com © Bowman Consulting Group, Inc.

Seal

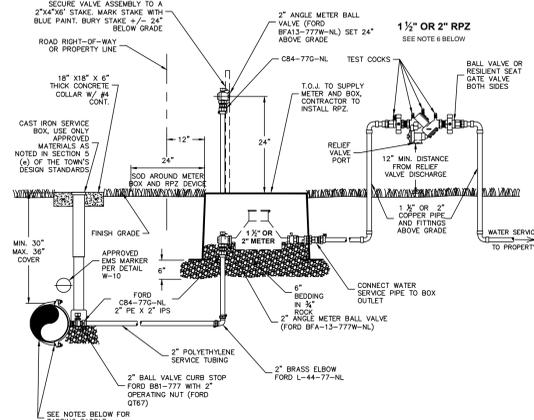
WILLIAM PFEFFER, P.E. LICENSE NO. 73058 5/1/2019



NOTES: WHEN VALVE IS NOT LOCATED IN PAVEMENT, PLACE A WHITE PAVEMENT REFLECTOR MARKER IN THE DRIVE LANE, ADJACENT TO THE VALVE.

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPARTMENT GATE VALVE AND BOX DETAIL

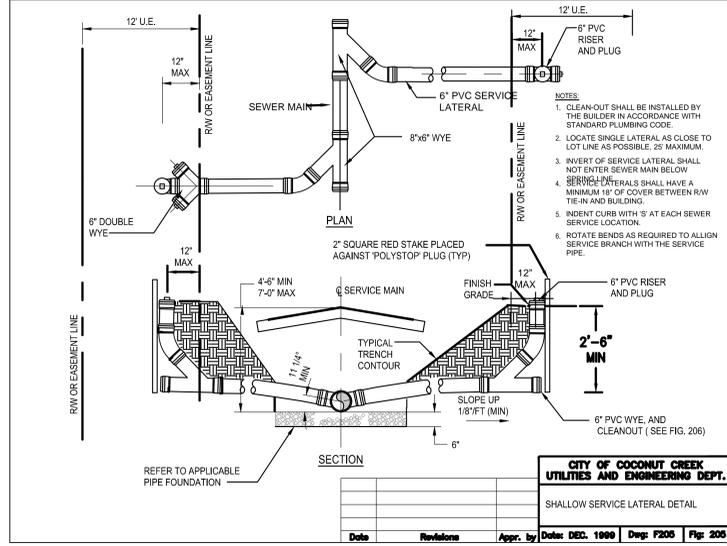
1 PS-1 TYPICAL UNDERGROUND VALVE INSTALLATION NOT TO SCALE



TYPICAL SAME-SIDE SERVICE TAP (SEE DETAIL W-23 FOR ROAD CROSSING REQUIREMENTS)

NOTES: 1. SERVICE TUBING SHALL BE 2" PE3408 HDPE POLY TUBING, ASTM D-2737 FOR 200 PSI WITH PERMANENT SPECIFICATION MARKINGS... 2. ALL MATERIAL SHALL BE APPROVED BY THE TOWN OF JUPITER WATER UTILITIES PRIOR TO INSTALLATION...

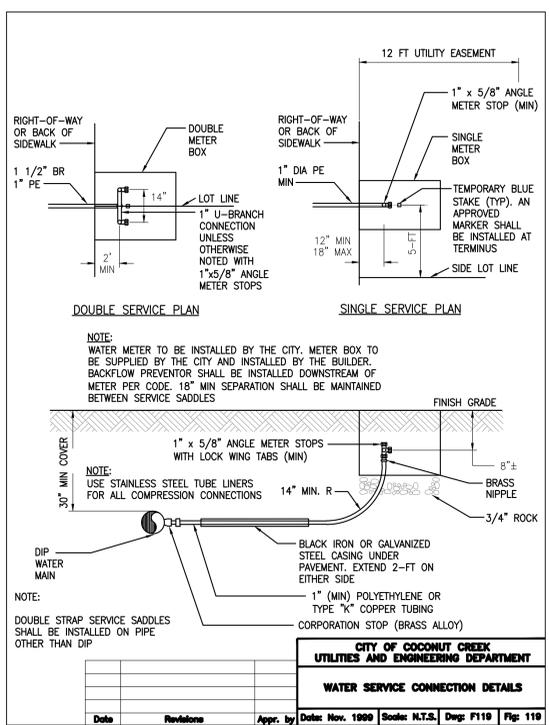
2 PS-1 CONNECTION FOR 1 1/2" & 2" METERS NOT TO SCALE



NOTES: 1. CLEAN-OUT SHALL BE INSTALLED BY THE BUILDER IN ACCORDANCE WITH STANDARD PLUMBING CODE... 2. LOCATE SINGLE LATERAL AS CLOSE TO LOT LINE AS POSSIBLE, 25' MAXIMUM...

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPT. SHALLOW SERVICE LATERAL DETAIL

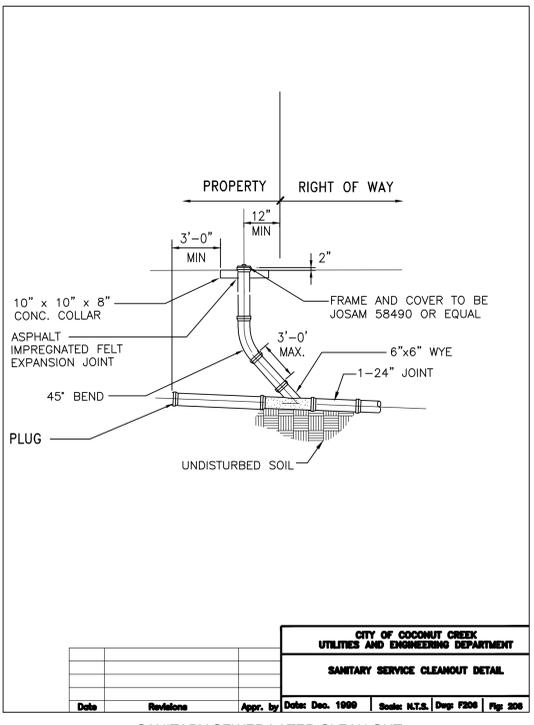
3 PS-1 3/4" OR 6" SINGLE SERVICE CONNECTION DETAIL NOT TO SCALE



NOTE: WATER METER TO BE INSTALLED BY THE CITY. METER BOX TO BE SUPPLIED BY THE CITY AND INSTALLED BY THE BUILDER. BACKFLOW PREVENTOR SHALL BE INSTALLED DOWNSTREAM OF METER PER CODE 18" MIN SEPARATION SHALL BE MAINTAINED BETWEEN SERVICE SADDLES

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPARTMENT WATER SERVICE CONNECTION DETAILS

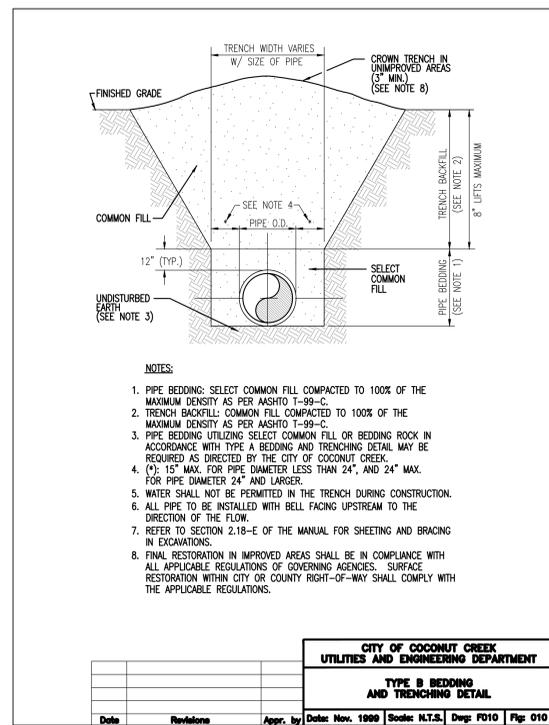
4 PS-1 WATER SERVICE CONNECTION DETAIL NOT TO SCALE



10" x 10" x 8" FRAME AND COVER TO BE CONC. COLLAR ASPHALT IMPREGNATED FELT EXPANSION JOINT 45° BEND 3'-0" MAX. 6"x6" WYE 1-24" JOINT PLUG UNDISTURBED SOIL

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPARTMENT SANITARY SERVICE CLEANOUT DETAIL

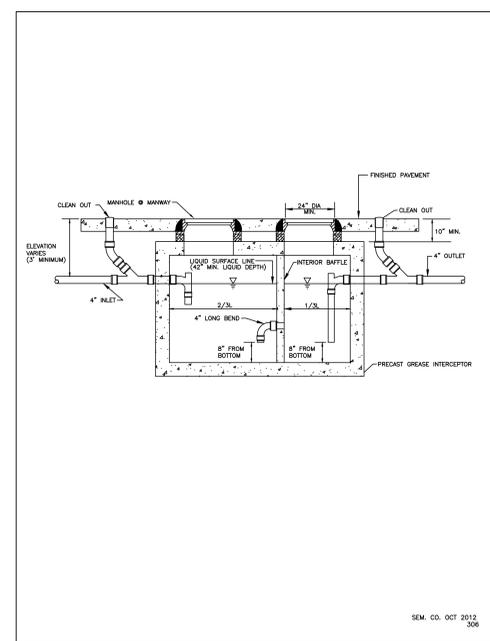
5 PS-1 SANITARY SEWER LATER CLEAN OUT PROTECTIVE BOX DETAIL NOT TO SCALE



NOTES: 1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 100% OF THE MAXIMUM DENSITY AS PER ASHTO T-99-C... 2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 100% OF THE MAXIMUM DENSITY AS PER ASHTO T-99-C...

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPARTMENT TYPE B BEDDING AND TRENCHING DETAIL

6 PS-1 TYPICAL GRAVITY SEWER EMBEDMENT DETAIL NOT TO SCALE



CLEAN OUT MANHOLE 6" W/WAY 4" INLET 4" OUTLET 4" LONG BEND 2/3 1/2 8" FROM BOTTOM 8" FROM TOP INTERIOR Baffle 4" O.D. 2" MIN. (SEE NOTE 2) 2" MIN. (SEE NOTE 2) 3" MIN. (SEE NOTE 2) 8" LEFTS MAXIMUM TRENCH BACKFILL (SEE NOTE 2) PIPE BEDDING (SEE NOTE 1) UNDISTURBED EARTH (SEE NOTE 3) FINISHED GRADE TRENCH WIDTH VARIES W/ SIZE OF PIPE CROWN TRENCH IN UNIMPROVED AREAS (3" MIN.) (SEE NOTE 8)

7 PS-1 GREASE INTERCEPTOR DETAIL NOT TO SCALE

CHICK-FIL-A COCONUT CREEK FSR 4670 N. STATE ROAD 7 COCONUT CREEK, FLORIDA 33073

FSR# 03841

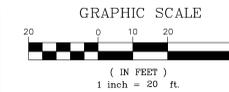
REVISION SCHEDULE table with columns for NO., DATE, DESCRIPTION, and REVISED SITE PERMIT SUBMITTAL.

PERMIT REVIEW table with columns for CURRENT DESIGN, PROJECT #, PRINTED FOR, DATE, DRAWN BY, and 2017-029, 010014-01-034, PERMIT REVIEW, 5/1/2019, RM.

UTILITY DETAILS SHEET NUMBER

PS-1.1

THIS DOCUMENT, TOGETHER WITH THE CONTRACT AND SCHEDULE PREPARED HEREIN, IS AN INSTRUMENT OF SERVICE. IT IS HEREBY AGREED THAT THE SPECIFIC CHARACTER AND SCOPE OF THE WORK TO BE PERFORMED SHALL BE ASPECTS OF THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.



**Chick-fil-A**

5200 Buffington Rd.  
Atlanta Georgia,  
30349-2998

**Bowman CONSULTING**  
Certificate of Authorization License No. 30422  
13450 Sunrise Blvd., Suite 220  
Sunrise, FL 33333  
Phone: (954) 314-8488  
www.bowmanconsulting.com  
© Bowman Consulting Group, Inc.

Seal

WILLIAM PFEFFER, P.E.  
LICENSE NO. 730558  
5/7/2019

**CHICK-FIL-A**  
**COCONUT CREEK FSR**  
4670 N. STATE ROAD 7  
COCONUT CREEK, FLORIDA 33073

**FSR# 03841**

NO.	DATE	DESCRIPTION
1	7/27/18	REVISED SITE PERMIT SUBMITTAL
2	9/25/18	FDOT & DRG COMMENTS
3	10/17/18	FDOT COMMENTS
4	1/29/19	REVISED SITE PERMIT SUBMITTAL
5	5/1/19	REVISED SITE PERMIT SUBMITTAL

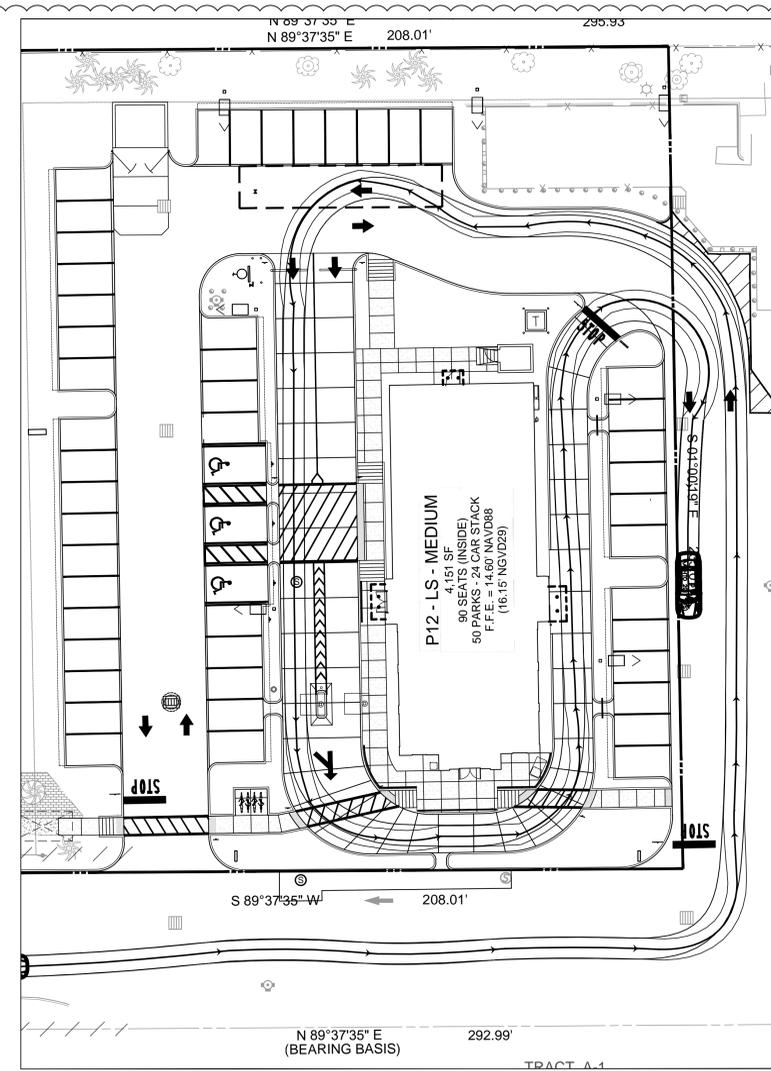
CURRENT DESIGN	2017-029
NOTE APPLIED	
PROJECT #	010014-01-034
PRINTED FOR	PERMIT REVIEW
DATE	5/7/2019
DRAWN BY	RM

Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.

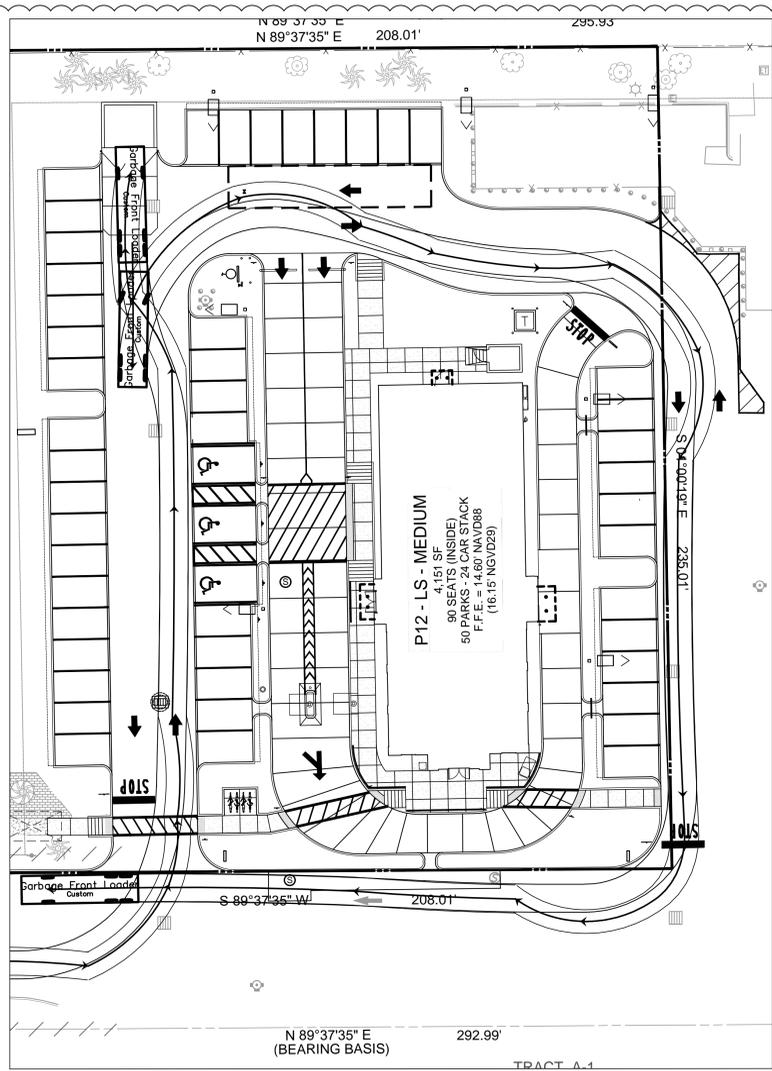
SHEET AUTOTURN PLAN

SHEET NUMBER

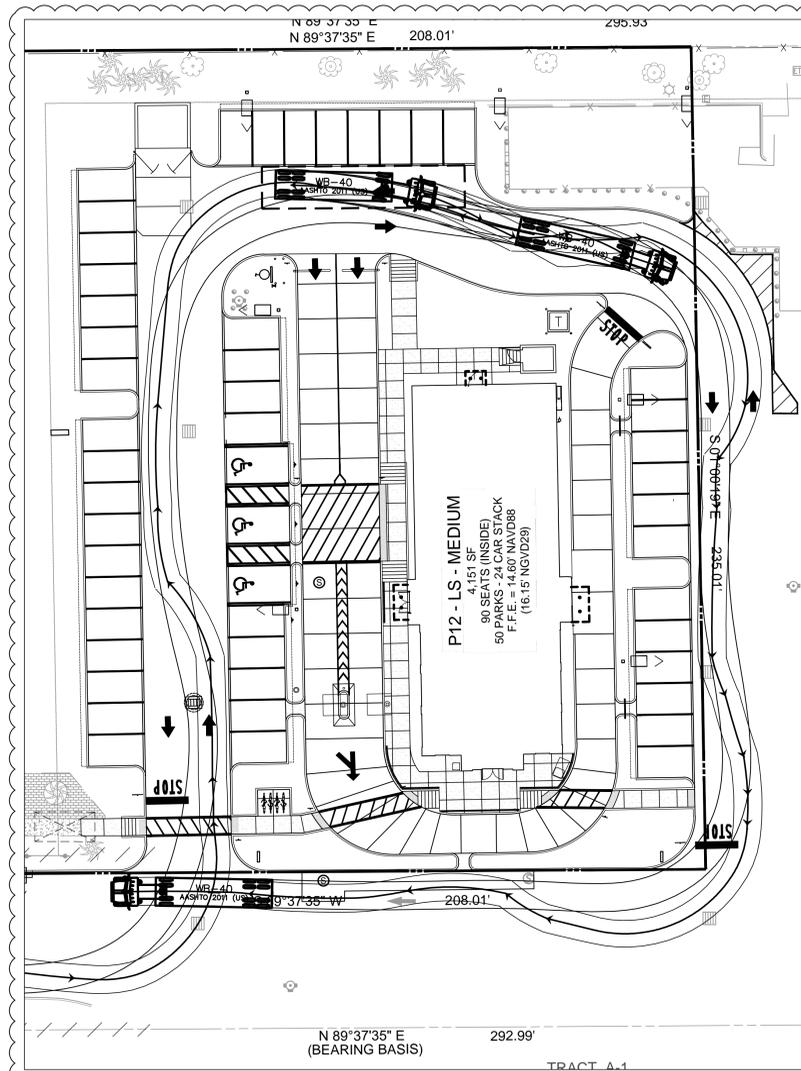
**C-7.0**



**PASSENGER CAR  
DRIVE-THRU AUTOTURN**



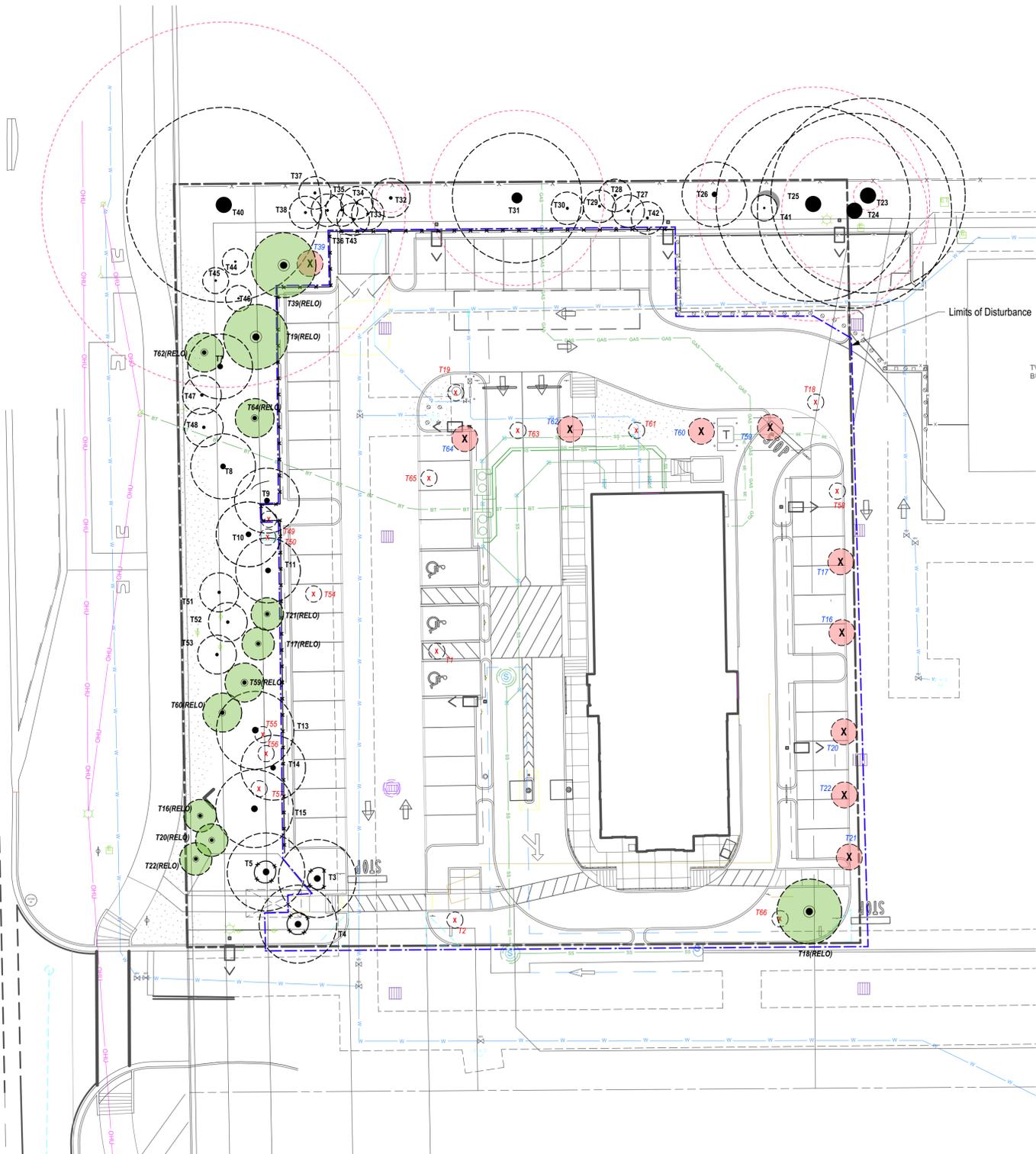
**FRONT END GARBAGE  
LOADER AUTOTURN**



**WB-40 DELIVERY AUTOTURN**

THIS DOCUMENT, TOGETHER WITH THE CONTRACT AND SPECIFICATIONS HEREAFTER, IS HEREBY CERTIFIED AS AN INSTRUMENT OF SERVICE, AS DEFINED IN SECTION 91.04, F.S. ANY AND ALL RIGHTS OF ARCHITECT, ENGINEER, OR PROFESSIONAL LANDSCAPE ARCHITECT UNDER ANY OTHER CONTRACT OR AGREEMENT ARE HEREBY WAIVED.

STATE ROAD NO. 7  
(VARIABLE WIDTH RIGHT-OF-WAY)

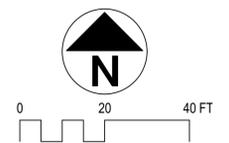


TREE NO.	BOTANICAL NAME	COMMON NAME	HT	SPR	DBH	COND	DISPOSITION	CANOPY AREA (sq ft)
1	Quercus virginiana	Live oak	20	20	8	75%	REMOVE	314
2	Quercus virginiana	Live oak	20	20	8	80%	REMOVE	314
3	Roystonia elata	Royal Palm	20'gw	24	20	80%	REMAIN	452
4	Roystonia elata	Royal Palm	20'gw	24	20	80%	REMAIN	452
5	Roystonia elata	Royal Palm	20'gw	24	20	80%	REMAIN	452
6	NOT THERE							
7	Roystonia elata	Royal Palm	25'gw	8	18	20%	REMAIN	50
8	Roystonia elata	Royal Palm	20'gw	20	20	70%	REMAIN	314
9	Roystonia elata	Royal Palm	20'gw	12	16	55%	REMAIN	113
10	Roystonia elata	Royal Palm	20'gw	20	18	70%	REMAIN	314
11	Roystonia elata	Royal Palm	20'gw	24	20	80%	REMAIN	452
12	NOT THERE							
13	Roystonia elata	Royal Palm	20'gw	24	18	80%	REMAIN	452
14	Roystonia elata	Royal Palm	18'gw	24	18	80%	REMAIN	452
15	Roystonia elata	Royal Palm	20'gw	24	20	80%	REMAIN	452
16	Wodyetia bifurcata	Foxtail Palm	14'gw	10	8	60%	RELOCATED	79
17	Wodyetia bifurcata	Foxtail Palm	12'gw	10	6	60%	RELOCATED	79
18	Quercus virginiana	Live oak	25	25	10	80%	RELOCATED	491
19	Quercus virginiana	Live oak	25	25	8	80%	RELOCATED	491
20	Wodyetia bifurcata	Foxtail Palm	10'gw	10	6	60%	RELOCATED	79
21	Wodyetia bifurcata	Foxtail Palm	12'gw	10	8	60%	RELOCATED	79
22	Wodyetia bifurcata	Foxtail Palm	10'gw	10	6	60%	RELOCATED	79
23	Ficus ssp	Banyan	50	60	48	60%	REMAIN	2826
24	Ficus ssp	Banyan	50	60	48	60%	REMAIN	2826
25	Ficus ssp	Banyan	50	60	60	60%	REMAIN	2826
26	Quercus virginiana	Live oak	25	20	8	70%	REMAIN	314
27	Sabal palmetto	Cabbage Palm	25'ct	10	12	75%	REMAIN	79
28	Sabal palmetto	Cabbage Palm	25'ct	10	14	75%	REMAIN	79
29	Sabal palmetto	Cabbage Palm	25'ct	10	12	75%	REMAIN	79
30	Sabal palmetto	Cabbage Palm	20'ct	10	10	75%	REMAIN	79
31	Ficus ssp	Banyan	50	40	60	60%	REMAIN	1256
32	Quercus virginiana	Live oak	30	12	8	60%	REMAIN	113
33	Sabal palmetto	Cabbage Palm	20'ct	10	10	70%	REMAIN	79
34	Sabal palmetto	Cabbage Palm	25'ct	10	14	70%	REMAIN	79
35	Sabal palmetto	Cabbage Palm	22'ct	10	14	70%	REMAIN	79
36	Sabal palmetto	Cabbage Palm	20'ct	10	10	70%	REMAIN	79
37	Sabal palmetto	Cabbage Palm	25'ct	10	14	70%	REMAIN	79
38	Sabal palmetto	Cabbage Palm	20'ct	10	12	70%	REMAIN	79
39	Quercus virginiana	Live oak	25	20	8	70%	RELOCATED	314
40	Ficus ssp	Banyan	50	60	98	60%	REMAIN	2826
41	Ligustrum lucidum	Privet	10	8	multi	65%	REMAIN	50
42	Ligustrum lucidum	Privet	10	10	multi	65%	REMAIN	79
43	Ligustrum lucidum	Privet	8	10	multi	60%	REMAIN	79
44	Ligustrum lucidum	Privet	8	8	multi	75%	REMAIN	50
45	Ligustrum lucidum	Privet	8	8	multi	75%	REMAIN	50
46	Ligustrum lucidum	Privet	8	8	multi	75%	REMAIN	50
47	Lagerstromia indica	Crape Myrtle	15	15	multi	70%	REMAIN	177
48	Lagerstromia indica	Crape Myrtle	15	15	multi	75%	REMAIN	177
49	Ilex cassine	Dahoon Holly	12	5	3	75%	REMOVE	28
50	Ilex cassine	Dahoon Holly	12	5	3	70%	REMOVE	28
51	Lagerstromia indica	Crape Myrtle	15	15	multi	80%	REMAIN	177
52	Lagerstromia indica	Crape Myrtle	15	15	multi	80%	REMAIN	177
53	Lagerstromia indica	Crape Myrtle	15	15	multi	80%	REMAIN	177
54	Ilex cassine	Dahoon Holly	12	6	3	75%	REMOVE	28
55	Ilex cassine	Dahoon Holly	10	4	2.5	55%	REMOVE	13
56	Ilex cassine	Dahoon Holly	10	4	2.5	55%	REMOVE	13
57	Ilex cassine	Dahoon Holly	10	4	2.5	55%	REMOVE	13
58	Ilex cassine	Dahoon Holly	12	6	3	70%	REMOVE	28
59	Lagerstromia indica	Crape Myrtle	12	15	multi	80%	RELOCATED	177
60	Lagerstromia indica	Crape Myrtle	12	15	multi	80%	RELOCATED	177
61	Phycosperma elegans	Double Alexander Palm	8/10'gw	8	3.3	60%	REMOVE	50
62	Lagerstromia indica	Crape Myrtle	12	15	multi	80%	RELOCATED	177
63	Phycosperma elegans	Triple Alexander Palm	8/10/12'gw	15	3.4	70%	REMOVE	177
64	Lagerstromia indica	Crape Myrtle	12	20	multi	80%	RELOCATED	314
65	Ligustrum lucidum	Privet	10	10	multi	75%	REMOVE	79
66	Ilex cassine	Dahoon Holly	12	6	2.5	85%	REMOVE	28
TOTAL CANOPY ON SITE:								22596
TOTAL CANOPY COVERAGE TO BE REMOVED (sq ft):								1097
TOTAL CANOPY REPLACEMENT PROVIDED:								1300

severe frizzle top and stunted spike  
frizzle toplarge scar in trunk/needs fertilizer  
Temporary Storage Needed  
choloric  
choloric  
23 & 24 are the same tree  
one sided from close proximity to neighboring trees  
covered with virginia creeper vines  
covered with virginia creeper vines  
covered with virginia creeper vines  
broken limbs/creeper vines  
structurally OK but crowded out - new developed a good canopy  
covered with virginia creeper vines  
poor pruning cuts/some poor limb connections in upper canopy/broken limbs/vines

ARBORIST REPORT 4.23.18 BY:  
Michael Grosswirth, PLA, ASLA, ISA  
Landscape Architect LA666871  
ISA Certified Arborist FL-9157A\*Thomas Engineering Group  
Ft. Lauderdale, FL  
954-202-7000

- LEGEND**
- EXISTING TREE TO BE REMOVED
  - EXISTING TREE TO BE RELOCATED
  - EXISTING RELOCATED TREE (NEW LOCATION)
  - EXISTING TREE TO REMAIN
  - TREE PROTECTION FENCING
  - LIMITS OF DISTURBANCE

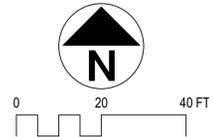


**CHICK-FIL-A**  
Coconut Creek  
4670 N. State Road 7  
Coconut Creek, FL 33073

**FSU# 3841**

NO.	DATE	DESCRIPTION
1	4/20/18	City Comments
2	7/27/18	Revised Site Permit Submittal
3	9/25/18	FDOT & DRC Comments
4	10/17/18	FDOT Comments
5	1/29/19	Revised Site Permit Submittal
7	5/8/19	New Site Plan

M/LD PROJECT # 2017161  
PRINTED FOR Permit  
DATE 11.21.17  
DRAWN BY SLG  
Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.  
SHEET  
**Permit Tree Removal / Relocation Plan**  
SHEET NUMBER **L-100**

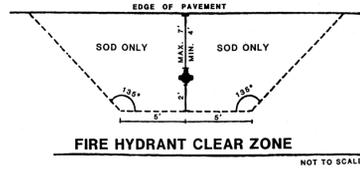


**LEGEND**

- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE RELOCATED
- EXISTING RELOCATED TREE (NEW LOCATION)
- EXISTING TREE TO REMAIN
- TREE PROTECTION FENCING
- LIMITS OF DISTURBANCE

See 13-276 - Figures.

The following figures are referred to in the previous sections of this chapter.

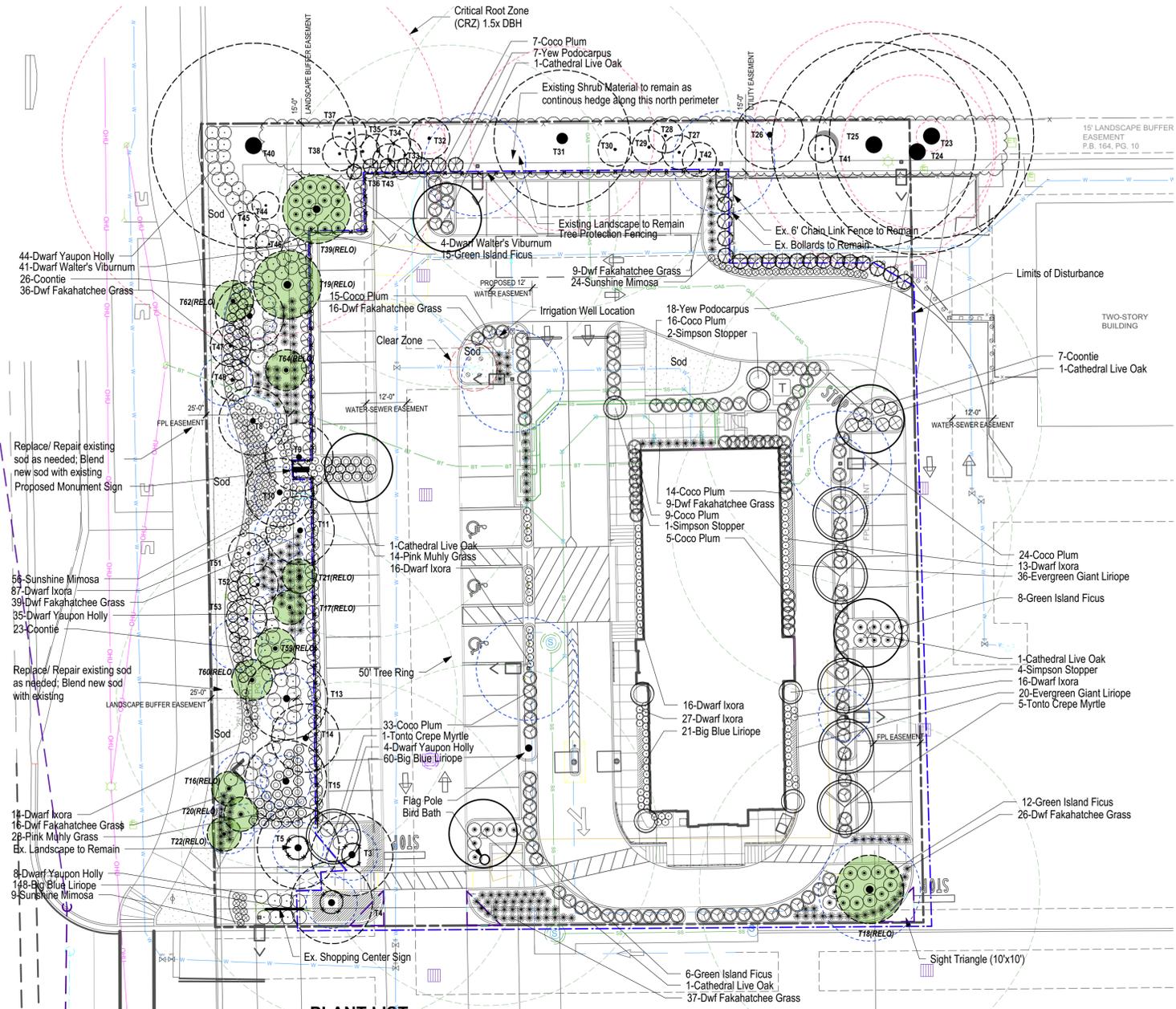


Bird Bath Imagery

STATE ROAD NO. 7  
(VARIABLE WIDTH RIGHT-OF-WAY)  
(U.S. HIGHWAY 441)

**LANDSCAPE NOTES**

- SOUTHEAST**
- Landscape Contractor to read and understand the Landscape Specifications (sheet L-102) prior to finalizing bids. The Landscape Specifications shall be adhered to throughout the construction process.
  - Contractor is responsible for locating and protecting all underground utilities prior to digging.
  - Contractor is responsible for protecting existing trees from damage during construction.
  - All tree protection devices to be installed prior to the start of land disturbance, and maintained until final landscaping.
  - All tree protection areas to be protected from sedimentation.
  - All tree protection fencing to be inspected daily, and repaired or replaced as needed.
  - No parking, storage or other construction activities are to occur within tree protection areas.
  - All planting areas shall be cleaned of construction debris (i.e. concrete, rock, rubble, building materials, etc) prior to adding and spreading of the topsoil.
  - General Contractor is responsible for adding a min of 4" clean friable topsoil in all planting beds and all grassed areas. Graded areas to be held down the appropriate elevation to account for topsoil depth. See Landscape Specifications for required topsoil characteristics.
  - In all parking lot islands, the General Contractor is responsible to remove all debris, fracture/loosen subgrade to a min. 24" depth. Add topsoil to a 6"-8" bermed height above island curbing; refer to landscape specifications and landscape island detail.
  - Prior to beginning work, the Landscape Contractor shall inspect the subgrade, general site conditions, verify elevations, utility locations, irrigation, approve topsoil provided by the General Contractor and observe the site conditions under which the work is to be done. Notify the General Contractor of any unsatisfactory conditions, work shall not proceed until such conditions have been corrected and are acceptable to the Landscape Contractor.
  - Any deviations from the approved set of plans are to be approved by the Landscape Architect.
  - Landscaping shall be installed in conformance with ANSI Z60.1 the "American Standard for Nursery Stock" and the accepted standards of the American Association of Nurserymen.
  - Existing grass in proposed planting areas shall be killed and removed. Hand rake to remove all rocks and debris larger than 1 inch in diameter, prior to adding topsoil and planting shrubs.
  - Soil to be tested to determine fertilizer and lime requirements prior to laying sod.
  - Annual and perennial beds: add min. 4 inch layer of organic material and till to a min. depth of 12 inches. Mulch annual and perennial beds with 2-3 inch depth of mini nuggets.
  - All shrubs beds (existing and new) to be mulched with a min. 3 inch layer of mulch (double shredded hardwood mulch).
  - Planting holes to be dug a minimum of twice the width of the root ball, for both shrub and tree. Set plant material 2-3" above finish grade. Backfill planting pit with topsoil and native excavated soil.
  - Sod to be delivered fresh (Cut less than 24 hours prior to arriving on site), laid immediately, rolled, and watered thoroughly immediately after planting. Edge of sod at planting beds are to be "V" trenched; see Landscape Details.
  - Any existing grass disturbed during construction to be fully removed, regraded and replaced. All tire marks and indentations to be repaired.
  - Water thoroughly twice in first 24 hours and apply mulch immediately.
  - The Landscape Contractor shall guarantee all plants installed for one full year from date of acceptance by the owner. All plants shall be alive and at a vigorous rate of growth at the end of the guarantee period. The Landscape Contractor shall not be responsible for acts of God or vandalism. See Landscape Specifications for Warranty requirements/expectations.
  - Any plant that is determined dead, in an unhealthy, unsightly condition, lost its shape due to dead branches, or other symptoms of poor, non-vigorous growth, shall be replaced by the Landscape Contractor. See Landscape Specifications for warranty requirements/expectations.
  - Site to be 100% irrigated in all planting beds and grass area by an automatic underground irrigation system. See Irrigation Plan L-200 for design. Irrigation as-built shall be provided to the Landscape Architect within 24 hours of irrigation install completion.
  - Stake all evergreen and deciduous trees as shown in the planting detail and as per the Landscape Specifications.
  - Remove stakes and guying from all trees after one year from planting.



**PLANT LIST**

Qty	Botanical Name	Common Name	Scheduled Size	Native	Diversity	Remarks
<b>Trees</b>						
6	Lagerstroemia x 'Tonto'	Tonto Crepe Myrtle	Min. 8' Hgt.	Non-Native	8.70%	B & B; Tree Form
7	Myrcianthes fragrans	Simpson Stopper	Min. 8' Hgt.	Native	10.14%	B & B; Tree Form
5	Quercus virginiana 'SDLN'	Cathedral Live Oak	Min. 2" Cal.; Min. 12' Hgt.	Native	7.25%	B & B; Single Straight Leader
11	Roystonea elata	Royal Palm		Native	15.94%	All Existing on Site to Remain
5	Quercus virginiana	Live oak		Native	7.25%	3 Existing on Site to Remain
5	Wodyetia bifurcata	Foxtail Palm		Non-Native	7.25%	
5	Ficus banghalensis	Banyan		Non-Native	7.25%	Existing on Site to Remain
10	Sabal palmetto	Cabbage Palm		Native	14.49%	Existing on Site to Remain
6	Ligustrum lucidum	Privet		Non-Native	8.70%	Existing on Site to Remain
9	Lagerstromia indica	Crepe Myrtle		Non-Native	13.04%	4 Existing on Site to Remain
<b>Shrubs</b>						
123	Chrysobalanus icaco	Coco Plum	Min. 24" Hgt	Native		Hedge
41	Ficus microcarpa 'Green Island'	Green Island Ficus	Min. 18" Hgt	Non-Native	4.18%	
91	Ilex vomitoria 'Nana'	Dwarf Yaupon Holly	Min. 18" Hgt	Native	9.28%	
189	Ixora taiwanensis	Dwarf Ixora	Min. 18" Hgt	Non-Native	19.27%	
42	Muhlenbergia capillaris	Pink Muhly Grass	Min. 24" Hgt	Native	4.28%	
25	Podocarpus macrophyllus	Yew Podocarpus	6' Hgt	Non-Native		Hedge
188	Tripsacum floridana	Dwf Fakahatchee Grass	Min. 18" Hgt	Native	19.16%	
45	Viburnum obovatum 'Densa'	Dwarf Walter's Viburnum	Min. 24" Hgt	Native		Hedge
56	Zamia pumila	Cointile	Min. 18" O.A.	Native	5.71%	
<b>Groundcovers</b>						
229	Liriope muscari 'Big Blue'	Big Blue Liriope	1 Gal.	Non-Native	23.34%	Plant 12" O.C.
56	Liriope muscari 'Evergreen Giant'	Evergreen Giant Liriope	1 Gal.	Non-Native	5.71%	Plant 12" O.C.
89	Mimosa strigillosa	Sunshine Mimosa	1 Gal; 15" Spread	Native	9.07%	Plant 18" O.C.
2394	Stenotaphrum secundatum	St. Augustine Grass	SF; Sod			

**Native Plants:**

Required: 50% Native Species.  
 Provided: 55.07% of Trees are Native; 54.0% of Shrubs and Groundcovers are Native (Sod not included in calculation).

**Plant Diversification:**

Required: No more than 25% of one species for plant diversification (Hedge and Sod is excluded in calculation).  
 Provided: Max. 22.30% of one species of Shrubs and Groundcover. Max 15.94% of one species of Trees.

**CITY OF COCONUT CREEK**

**STANDARD LANDSCAPE NOTES**

- All landscape and specifications shall meet or exceed the minimum requirements as provided in the City of Coconut Creek Land Development Code. Plans are incomplete without written notes and specifications.
- All planting material shall meet or exceed Florida Grade #1 as specified in Grades and Standards for Nursery Plants, current edition. Trees shall not be tipped, topped, or shaped prior to installation.
- Landscaping shall be placed to edge of abutting streets, canals, lakes or other lands.
- All mechanical equipment, air conditioning, irrigation pump stations and equipment, FPL transformers, pool pumps, etc., must be screened on three (3) sides by landscape shrubs.  
 NOTE: The quantity of screening shrubs is in addition to the required number of shrubs as provided in the code calculation table. All screening shrubs shall be planted for proper operation of equipment being screened and/or per the requirements of the utility as necessary. All hedge material required for screening purposes shall be planted with branches touching. Adjust on-center spacing as necessary and/or provide additional plants to provide an adequate screen.
- Sight distance concerns must be maintained for clear sight visibility from thirty (30) inches to seventy-two inches, tree trunks excluded. Measurement shall be made from top of root ball planted at proper elevation.  
 NOTE: The quantity of screening shrubs is in addition to the required number of shrubs as provided in the code calculation table. All screening shrubs shall be planted for proper operation of equipment being screened and/or per the requirements of the utility as necessary. All hedge material required for screening purposes shall be planted with branches touching. Adjust on-center spacing as necessary and/or provide additional plants to provide an adequate screen.
- Guying/staking practices shall not permit nails, screws, wires, etc., to penetrate outer surfaces of trees, palms or other plant material. Trees, palms and plant material rejected due to this practice shall be replaced with the inspector on site.
- Burlap material, wire cages, plastic/canvas straps, etc., must be cut and removed for the top one-half (1/2) depth of the root ball. Trees and shrubs grown in grow bags or grow bag type material must have such material REMOVED ENTIRELY prior to planting the tree or shrub.
- All plant material shall be free of pests, insects, disease, weeds, etc.
- Upon completion of work, the site shall be cleared of all debris, superfluous materials, and equipment caused by this permit to the satisfaction of the inspector.
- Refer to Coconut Creek Fire Equipment Clear Zone diagram to maintain a safe zone fronting fire hydrants.
- Do not plant trees, shrubs or groundcover within Electric Meter Clear Zone. Provide a safe zone as described by the Electrical Inspector.
- All landscaped areas shall be provided with an underground fully automatic irrigation system using pop-up sprinklers. System shall provide 100% coverage with 50% overlap (minimum) using rust free water, except preserved areas remaining in natural state. A rain sensor device or switch shall be installed that will override the irrigation system when adequate rainfall has occurred. Water shall not be directed and/or provided onto impervious surfaces and/or be designed or installed to throw water over an impervious surface such as a sidewalk, etc. Hours of operation for all irrigation systems shall be limited to 5:00 p.m. to 8:00 a.m. only or as may be further restricted by South Florida Water Management District or other jurisdictional agency. Irrigation permits and plans shall be submitted for approval at time of building permits.
- All non-single family or duplex irrigation systems other than City water systems shall require a South Florida Water Management District water use permit prior to issuance of an irrigation permit and installation of the irrigation system as required.
- All site amenities to include site street lights, landscape common open space, irrigation common open space, buffers, berms, landscape entry features, etc. leading up to and including the model center and/or first certificate of occupancy must be completed and functional prior to issuance of the first requested certificate of occupancy.
- The height of all required, designed and installed berms shall be from the highest adjacent point whether it is the sidewalk, parking area, vehicular use area, surrounding ground, etc. Where a berm abuts a sidewalk, there shall be a one (1) foot level sod area adjacent to the sidewalk prior to the start of incline for the berm.
- An inspection is required prior to the backfilling of trees/palms in all parking medians and islands.

NOTE: THIS COMMENT SHEET IS TO BE PLACED ON ALL LANDSCAPE PLANS "AS IS".

Action 2.1 - Achieve 40% tree canopy coverage throughout the City with maximum tree coverage on public and private land by 2020.

**LANDSCAPE REQUIREMENTS**

- A. INTERIOR LANDSCAPE IN VUA**
- REQUIRED**
- 1 Tree per 10 spaces
  - 50 spaces / 10 = 5 Trees
  - 1 SF of landscape area for every 100 SF of VUA
  - 23.63 SF / 100 = 236 SF Required
- PROVIDED**
- 3 Ex. Live Oak Relocated (T18, T19, T39), 3 New Live Oak
  - 2081 SF of interior landscape area provided
- B. PERIMETER LANDSCAPE**
- REQUIRED**
- 1. Min. 10' width along the East and North property lines
  - 1 Tree per 40 LF
  - East: 186 LF / 40 (excludes ex. playground) = 5 Trees
  - North: 208 LF / 40 = 5 Trees
  - Continuous hedge (min. 24" hgt.)
- PROVIDED**
- 1. 15' Buffer provided to the North; Existing Drive at East
  - East: 5 Tonto Crepe Myrtle
  - North: 5 Ex. Trees (25.26.31.32.41)
  - Continuous hedge provided along both
- C. ROADWAY LANDSCAPE BUFFERS**
- REQUIRED**
- 1. US 441: 1 Tree per 2000 SF of total landscape area
  - 5390 SF / 2000 = 3 Trees
  - 2. 24" hgt evergreen hedge required to screen parking area
  - 3. Min. 40 shrub per 2000 SF of total landscape area
  - 5390 SF / 2000 x 40 = 108 Shrubs
- PROVIDED**
- 1. 1 Ex. Tree (40), 6 Ex. Palms 3 for 1 (3,4,5,13,15,10) = 3 Trees
  - 2. Viburnum hedge provided along entire parking area at road frontage
  - 3. 550 Shrubs provided
- D. STREET TREES**
- REQUIRED**
- 1. 1 Tree per 40 LF
  - 232 LF / 40 = 6 Trees
- PROVIDED**
- 1. 7 Palms (8, 9, 16, 20, 22, 17, 21), 9 Ex. Crepe Myrtles (51, 52, 53, 60, 62, 64, 59, 48, 47)
- E. FOUNDATION PLANTING**
- REQUIRED**
- 1. 1 Tree, 20 Shrubs, 30 Groundcovers per 40 LF of building LF
  - 288 LF / 40 = 7 Trees, 144 Shrubs, 216 GC
- PROVIDED**
- 1. 7 Simpson Stopper (3 across sidewalk); 100 Shrubs, 77 Groundcovers
- F. ZONING DISTRICT**
- REQUIRED**
- 1. 1 Tree and 5 Shrubs per 1000 SF of area not used for Building and Parking
  - 18419 SF / 1000 SF = 18.4 = 18 Trees; 92 Shrubs
- PROVIDED**
- 1. 18 New Trees, 51 Ex. Trees and Palms; 704 Shrubs
- G. TREE REPLACEMENT/ MITIGATION**
- REQUIRED**
- 1. 13 Trees Removed (see chart sheet L-100) = 1,097 SF Removed
- PROVIDED**
- |       |                          |              |
|-------|--------------------------|--------------|
| Qty   | Tree                     | Total Canopy |
| 2     | Live Oak (300 SF)        | = 600 SF     |
| 7     | Simpson Stopper (100 SF) | = 700 SF     |
| Total |                          | = 1,300 SF   |



**Chick-fil-A**  
 Chick-fil-A  
 5200 Buffington Road  
 Atlanta, Georgia 30349-2998



manley LAND DESIGN  
 Landscape Architecture  
 770.442.8171 tel  
 770.442.1123 fax  
 Manley Land Design, Inc.  
 51 Old Canton Street  
 Alpharetta, Georgia 30009  
 manleylanddesign.com

**CHICK-FIL-A**  
 Coconut Creek  
 4670 N. State Road 7  
 Coconut Creek, FL 33073

**FSU# 3841**

**REVISION SCHEDULE**

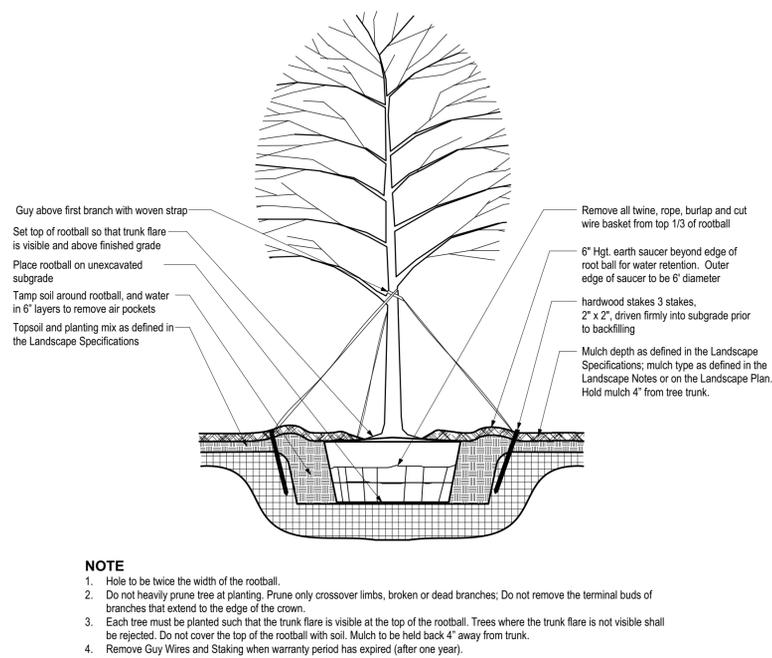
NO.	DATE	DESCRIPTION
1	4/20/18	City Comments
2	7/27/18	Revised Site Permit Submittal
3	9/25/18	FDOT & DRC Comments
4	10/17/18	FDOT Comments
5	1/29/19	Revised Site Permit Submittal
7	5/8/19	New Site Plan

MLD PROJECT #	2017161
PRINTED FOR	Permit
DATE	11.21.17
DRAWN BY	SLM

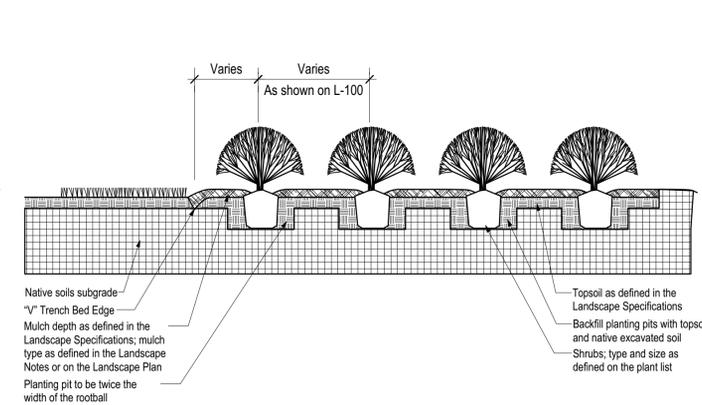
Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.

Permit Landscape Plan

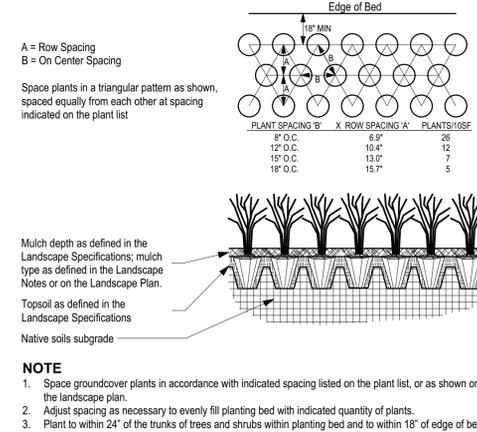
SHEET NUMBER **L-101**



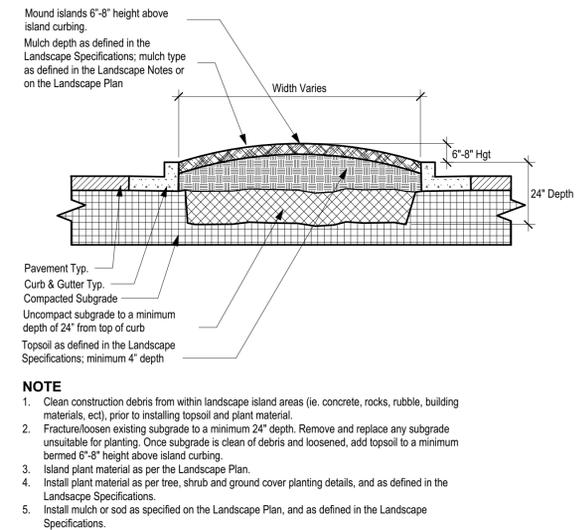
**1 TREE PLANTING & STAKING**  
SCALE: NTS



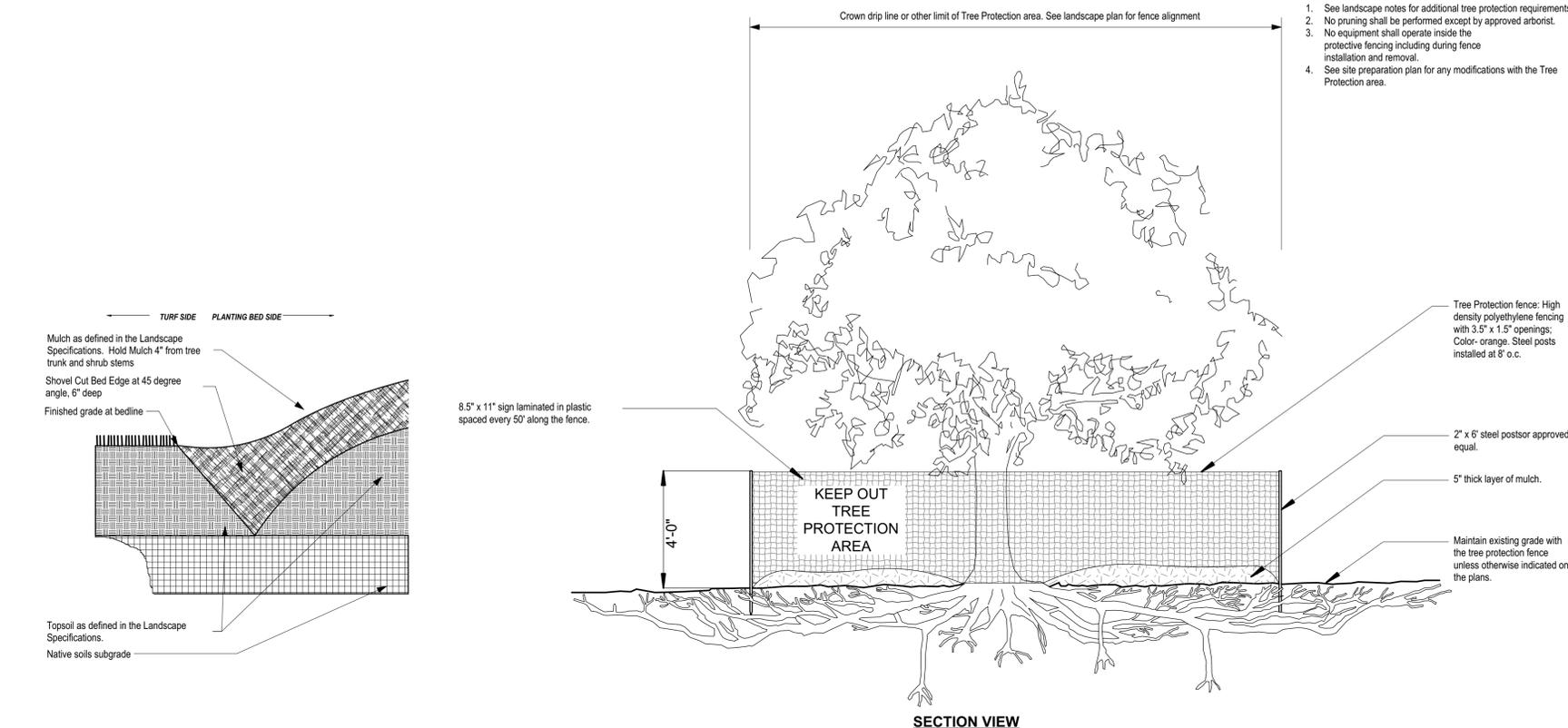
**2 SHRUB BED PLANTING DETAIL**  
SCALE: NTS



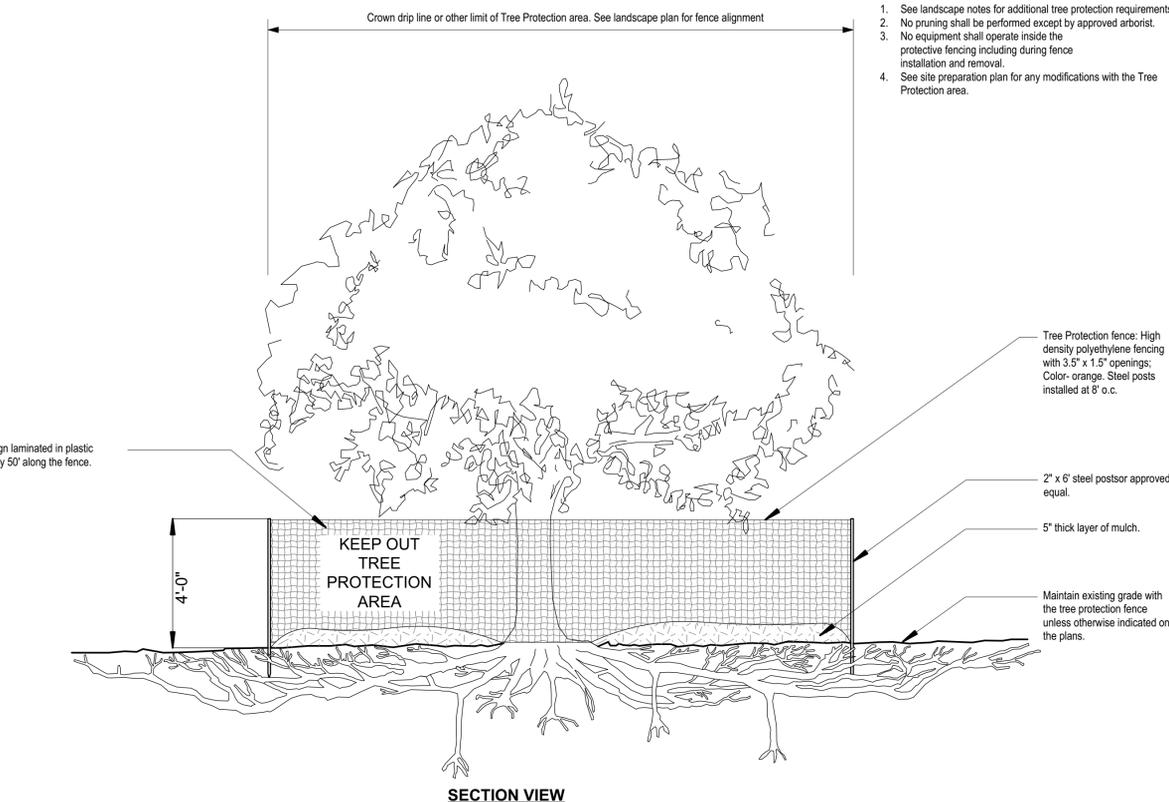
**3 "V" TRENCH BED EDGING**  
SCALE: NTS



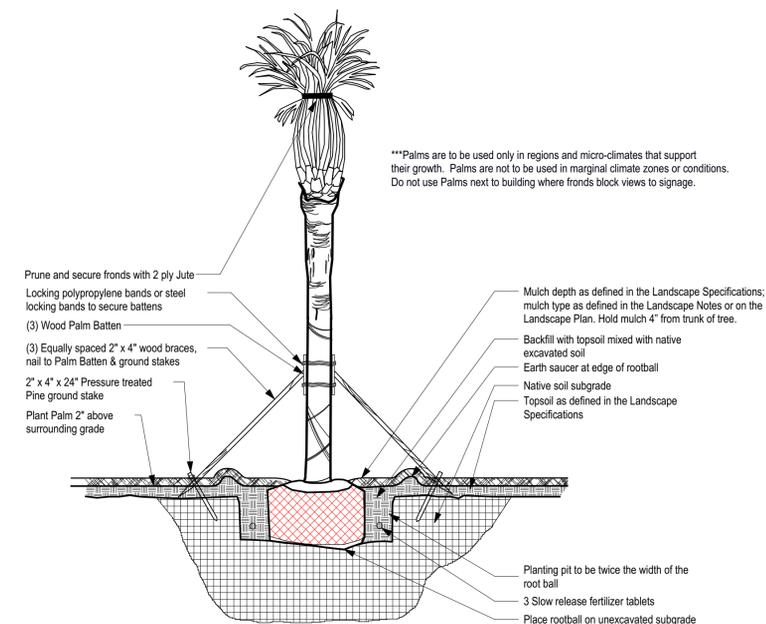
**4 PARKING ISLAND DETAIL**  
SCALE: NTS



**5 GROUNDCOVER PLANTING DETAIL**  
SCALE: NTS



**6 TREE PROTECTION FENCING DETAIL**  
SCALE: NTS



**7 PALM PLANTING & STAKING DETAIL**  
SCALE: NTS



**Chick-fil-A**  
Chick-fil-A  
5200 Buffington Road  
Atlanta, Georgia 30349-2998



770.442.8171 tel  
770.442.1123 fax  
Manley Land Design, Inc.  
51 Old Canton Street  
Alpharetta, Georgia 30009  
manleylanddesign.com

**CHICK-FIL-A**  
Coconut Creek  
4670 N. State Road 7  
Coconut Creek, FL 33073

**FSU# 3841**

NO.	DATE	DESCRIPTION
1	4/30/18	City Comments
2	7/27/18	Revised Site Permit Submittal
3	9/25/18	FDOT & DRC Comments
4	10/17/18	FDOT Comments
5	1/29/19	Revised Site Permit Submittal
7	5/1/19	Revised Site Plan

MLD PROJECT # 2017161  
PRINTED FOR Permit  
DATE 11.21.17  
DRAWN BY SLG

Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.

SHEET

Permit Landscape Details

SHEET NUMBER

**L-102**

URBAN TREE FOUNDATION © 2014  
OPEN SOURCE FREE TO USE

## LANDSCAPE SPECIFICATIONS

### PART 1 - GENERAL

#### DESCRIPTION

Provide trees, shrubs, ground covers, sod, and annuals/perennials as shown and specified on the landscape plan. The work includes:

1. Soil preparation.
2. Trees, shrubs, ground covers, and annuals/perennials.
3. Planting mixes.
4. Top Soil, Mulch and Planting accessories.
5. Maintenance.
6. Decorative stone.

#### Related Work:

1. Irrigation System; see irrigation specifications (sheet L-2.2)

#### QUALITY ASSURANCE

Plant names indicated, comply with "Standardized Plant Names" as adopted by the latest edition of the American Joint Committee of Horticultural Nomenclature. Names for varieties not listed conform generally with names accepted by the nursery trade. Provide stock true to botanical name and legibly tagged.

Comply with sizing and grading standards of the latest edition of "American Standard for Nursery Stock". A plant shall be dimensioned as it stands in its natural position.

All plants shall be nursery grown under climatic conditions similar to those in the locality of the project for a minimum of 2 years.

Nursery Stock furnished shall be at least the minimum size indicated. Larger stock is acceptable, at no additional cost, and providing that the larger plants will not be cut back to size indicated. Provide plants indicated by two measurements so that only a maximum of 25% are of the minimum size indicated and 75% are of the maximum size indicated.

Before submitting a bid, the Contractor shall have investigated the sources of supply and be satisfied that they can supply the listed plants in the size, variety and quality as specified. Failure to take this precaution will not relieve the Contractor from their responsibility for furnishing and installing all plant materials in strict accordance with the Contract Documents without additional cost to the Owner. The Landscape Architect shall approve any substitutes of plant material, or changes in plant material size, prior to the Landscape Contractor submitting a bid.

#### DELIVER, STORAGE AND HANDLING

Take all precautions customary in good trade practice in preparing plants for moving. Workmanship that fails to meet the highest standards will be rejected. Spray deciduous plants in foliage with an approved "Anti-Desiccant" immediately after digging to prevent dehydration. Dig, pack, transport, and handle plants with care to ensure protection against injury. Inspection certificates required by law shall accompany each shipment invoice or order to stock. Protect all plants from drying out. If plants cannot be planted immediately upon delivery, properly protect them with soil, wet peat moss, or in a manner acceptable to the Landscape Architect. Water heeled-in plantings daily. No plant shall be bound with rope or wire in a manner that could damage or break the branches. Cover plants transported on open vehicles with a protective covering to prevent wind burn.

#### PROJECT CONDITIONS

Protect existing utilities, paving, and other facilities from damage caused by landscape operations.

A complete list of plants, including a schedule of sizes, quantities, and other requirements are shown on the drawings. In the event that quantity discrepancies or material omissions occur in the plant materials list, the planting plans shall govern.

The irrigation system will be installed prior to planting. Locate, protect and maintain the irrigation system during planting operations. Repair irrigation system components damaged during planting operations; at the Contractor's expense. Refer to the irrigation specifications, irrigation plan and irrigation details.

Do not begin landscape accessory work before completion of final grading or surfacing.

#### WARRANTY

Warrant plant material to remain alive, be healthy and in a vigorous condition for a period of 1 year after completion and final acceptance of entire project.

Replace, in accordance with the drawings and specifications, all plants that are dead or, are in an unhealthy, or unsightly condition, and have lost their natural shape due to dead branches, or other causes due to the Contractor's negligence. The cost of such replacement(s) is at the Contractor's expense. Warrant all replacement plants for 1 year after installation.

Warranty shall not include damage, loss of trees, plants, or ground covers caused by fires, floods, freezing rains, lightning storms, winds over 75 miles per hour, winter kill caused by extreme cold, severe winter conditions not typical of planting area, and/or acts of vandalism or negligence on a part of the Owner.

Remove and immediately replace all plants, found to be unsatisfactory during the initial planting installation.

Maintain and protect plant material, lawns, and irrigation until final acceptance is made.

#### ACCEPTANCE

Inspection of planted areas will be made by the Owner's representative.

1. Planted areas will be accepted provided all requirements, including maintenance, have been complied with and plant materials are alive and in a healthy, vigorous condition.

Upon acceptance, the Contractor shall commence the specified plant maintenance.

#### CODES, PERMITS AND FEES

Obtain any necessary permits for this Section of Work and pay any fees required for permits.

The entire installation shall fully comply with all local and state laws and ordinances, and with all established codes applicable thereto; also as depicted on the landscape and irrigation construction set.

### PART 2 - PRODUCTS

#### MATERIALS

Plants: Provide typical of their species or variety; with normal, densely developed branches and vigorous, fibrous root systems. Provide only sound, healthy, vigorous plants free from defects, disfiguring knots, sun scald injuries, frost cracks, abrasions of the bark, plant diseases, insect eggs, borers, and all forms of infestation. All plants shall have a fully developed form without voids and open spaces. Plants held on storage will be rejected if they show signs of growth during the storage period.

1. Balled and plants wrapped with burlap, to have firm, natural balls of earth of sufficient diameter and depth to encompass the fibrous and feeding root system necessary for full recovery of the plant. Provide ball sizes complying with the latest edition of the "American Standard for Nursery Stock". Cracked or mushroomed balls, or signs of circling roots are not acceptable.
2. Container- grown stock: Grown in a container for sufficient length of time for the root system to have developed to hold its soil together, firm and whole.
  - a. No plants shall be loose in the container.
  - b. Container stock shall not be pot bound.
3. Plants planted in rows shall be matched in form.
4. Plants larger than those specified in the plant list may be used when acceptable to the Landscape Architect.
  - a. If the use of larger plants is acceptable, increase the spread of roots or root ball in proportion to the size of the plant.
  5. The height of the trees, measured from the crown of the roots to the top of the top branch, shall not be less than the minimum size designated in the plant list.
  6. No pruning wounds shall be present with a diameter of more than 1" and such wounds must show vigorous bark on all edges.
  7. Evergreen trees shall be branched to the ground or as specified in plant list.
  8. Shrubs and small plants shall meet the requirements for spread and height indicated in the plant list.
    - a. The measurements for height shall be taken from the ground level to the height of the top of the plant and not the longest branch.
    - b. Single stemmed or thin plants will not be accepted.
    - c. Side branches shall be generous, well-twigged, and the plant as a whole well-bushed to the ground.
    - d. Plants shall be in a moist, vigorous condition, free from dead wood, bruises, or other root or branch injuries.

#### ACCESSORIES

Topsoil: Shall be Fertile, friable, natural topsoil of loamy character, without admixture of subsoil material, obtained from a well-drained arable site, reasonably free from clay, lumps, coarse sands, stones, roots, sticks, and other foreign materials, with acidity range of between pH 6.0 and 6.8.

Note: All planting areas shall be cleaned of construction debris (ie. Concrete, rubble, stones, building material, etc.) prior to adding and spreading of the top soil.

1. **Sod Areas:** Spread a minimum 4" layer of top soil and rake smooth.
2. **Planting bed areas:** Spread a minimum 4" layer of top soil and rake smooth.

3. **Landscape Islands/Medians:** Fracture/loosen existing subgrade to a minimum 24" depth. Remove and replace any subgrade unsuitable for planting. Once subgrade is clean of debris and loosened, add topsoil to a minimum berm 6"-8" height above island curbing.
4. **Annual/Perennial bed areas:** Add a minimum of 4" organic matter and till to a minimum 12" depth.

Mulch: Type selected dependent on region and availability; see landscape plans for type of mulch to be used. Hold mulch 4" from tree trunks and shrub stems.

1. **Hardwood:** 6 month old well rotted double shredded native hardwood bark mulch not larger than 4" in length and ½" in width, free of wood chips and sawdust. Install minimum depth of 3".
2. **Pine Straw:** Pine straw to be fresh harvest, free of debris, bright in color. Bales to be wired and tightly bound. Needs to be dry. Install minimum depth of 3".
3. **River Rock:** (color) light gray to buff to dark brown, washed river rock, 1" – 3" in size. Install in shrub beds to an even depth of 3". Weed control barrier to be installed under all rock mulch areas. Use caution during installation not to damage plant material.
4. **Mini Nuggets:** Install to a minimum depth of 2"-3" at all locations of annual and perennial beds. Lift the stems and leaves of the annuals and carefully spread the mulch to avoid injuring the plants. Gently brush the mulch off the plants.

#### Guying/Staking:

1. **Arboret:** Green (or white) staking and guying material to be flat, woven, polypropylene material, ¾" wide 900 lb. break strength. Arbolite shall be fastened to stakes in a manner which permits tree movement and supports the tree.
2. **Remove Guying/Staking** after one year from planting.

**Tree Wrap:** Tree wraps should be used on young, newly planted thin-barked trees (Cherry, Crabapple, Honey Locust, Linden, Maple, Mountain Ash, Plum) that are most susceptible to sun scald/Sunburn. Standard waterproofed tree wrapping paper, 2-1/2" wide, made of 2 layers of crepe Draft paper weighing not less than 30 lbs. per ream, cemented together with asphalt. Wrap the tree in the fall and leave the wrap in place throughout the winter and early spring. Tree wraps are temporary and no longer needed once trees develop corky bark.

### PART 3 – EXECUTION

#### INSPECTION

Prior to beginning work, the Landscape Contractor shall inspect the subgrade, general site conditions, verify elevations, utility locations, irrigation, approve top soil provided by the General Contractor and observe the site conditions under which the work is to be done. Notify the General Contractor of any unsatisfactory conditions, and work shall not proceed until such conditions have been corrected and are acceptable to the Landscape Contractor.

#### PREPARATION

Planting shall be performed only by experienced workmen familiar with planting procedures under the supervision of a qualified supervisor.

Locate plants as indicated on the plans or as approved in the field after staking by the Landscape Contractor. If obstructions are encountered that are not shown on the drawings, do not proceed with planting operations until alternate plant locations have been selected and approved by the Landscape Architect; spacing of plant material shall be as shown on the landscape plan.

Excavate circular plant pits with vertical sides, except for plants specifically indicated to be planted in beds. Provide shrub pits at least 12" greater than the diameter of the root system and 24" greater for trees. Depth of pit shall accommodate the root system. Provide undisturbed sub grade to hold root ball at nursery grade as shown on the drawings.

#### INSTALLATION

Set plant material in the planting pit to proper grade and alignment. Set plants upright, plumb, and faced to give the best appearance or relationship to each other or adjacent structure. Set plant material 2" – 3" above the finish grade. No filling will be permitted around trunks or stems. Backfill the pit with topsoil mix and excavated material. Do not use frozen or muddy mixtures for backfilling. Form a ring of soil around the edge of each planting pit to retain water.

After balled and wrapped in burlap plants are set, mulch planting soil mixture around bases of balls and fill all voids.

1. **Remove all burlap, ropes, and wires** from the top 1/3 of the root ball

Space ground cover plants in accordance with indicated dimensions. Adjust spacing as necessary to evenly fill planting bed with indicated quantity of plants. Plant to within 24" of the trunks of trees and shrubs within planting bed and to within 18" of edge of bed.

#### Mulching:

1. Mulch tree and shrub planting pits and shrub beds with required mulching material (see landscape plan for mulch type); depth of mulch as noted above. **Hold mulch back 4" away from tree trunks and shrub stems.** Thoroughly water mulched areas. After watering, rake mulch to provide a uniform finished surface.

Decorative Stone: (where indicated on landscape plan)

1. Install weed control barrier over sub-grade prior to installing stone. Lap 6" on all sides.
2. Place stone without damaging weed barrier.
3. Arrange stones for best appearance and to cover all weed barrier fabric.

#### Wrapping, guying, staking:

1. Inspect trees for injury to trunks, evidence of insect infestation, and improper pruning before wrapping.
2. Wrapping:
  - a. Wrap trunks of all young newly planted trees known to have thin bark. Wrap spirally from bottom to top with specified tree wrap and secure in place.
  - b. **Overlap ½ the width of the tree wrap strip and cover the trunk from the ground to the height of the second branch.**
  - c. Secure tree wrap in place with twine wound spirally downward in the opposite direction, tied around the tree in at least 3 places in addition to the top and bottom.
  - d. Wrap the trees in the fall and leave the wrap in place throughout the winter and early spring.
  - e. **Tree wraps are temporary and no longer needed once the trees develop corky bark.**
3. Staking/Guying:
  - a. Stake/guy all trees immediately after lawn sodding operations and prior to acceptance.
  - b. Stake deciduous trees 2" caliper and less. Stake evergreen trees under 7"-0" tall.
    1. Stakes are placed in line with prevailing wind direction and driven into undisturbed soil.
    2. Ties are attached to the trunk, usually at the lowest branch.
  - c. Guy deciduous trees over 2" caliper. Guy evergreen trees 7"-0" tall and over.
    1. Guy wires to be attached to three stakes driven into undisturbed soil, with one stake placed in the direction of the prevailing wind.
    2. Ties are attached to the tree as high as practical.
    3. The axis of the stake should be at 90 degree angle to the axis on the pull of the guy wire.
4. **Remove all guying and staking after one year from planting.**

#### Pruning:

1. Prune deciduous trees and evergreens only to remove broken or damaged branches.

#### WORKMANSHIP

During landscape/irrigation installation operations, all areas shall be kept neat and clean. Precautions shall be taken to avoid damage to existing structures. All work shall be performed in a safe manner to the operators, the occupants and any pedestrians.

Upon completion of installation operations, all excess materials, equipment, debris and waste material shall be cleaned up and removed from the site; unless provisions have been granted by the owner to use on-site trash receptacles. Sweep parking and walks clean of dirt and debris. Remove all plant tags and other debris from lawns and planting areas.

Any damage to the landscape, the structure, or the irrigation system caused by the landscape contractor shall be repaired by the landscape contractor without charge to the owner.

#### MAINTENANCE

Contractor shall provide maintenance until work has been accepted by the Owner's Representative.

Maintenance shall include mowing, fertilizing, mulching, pruning, cultivation, weeding, watering, and application of appropriate insecticides and fungicides necessary to maintain plants and lawns free of insects and disease.

1. Re-set settled plants to proper grade and position. Restore planting saucer and adjacent material and remove dead material.
2. repair guy wires and stakes as required. Remove all stakes and guy wires after 1 year.
3. Correct defective work as soon as possible after deficiencies become apparent and weather and season permit.
4. Water trees, plants and ground cover beds within the first 24 hours of initial planting, and not less than twice per week until final acceptance.

## LANDSCAPE MAINTENANCE SPECIFICATIONS

The Contractor shall provide as a separate bid, maintenance for a period of **1 year** after final acceptance of the project landscaping. The Contractor must be able to provide continued maintenance if requested by the Owner or provide the name of a reputable landscape contractor who can provide maintenance.

#### STANDARDS

All landscape maintenance services shall be performed by trained personnel using current, acceptable horticultural practices.

All work shall be performed in a manner that maintains the original intent of the landscape design.

All chemical applications shall be performed in accordance with current county, state and federal laws, using EPA registered materials and methods of application. These applications shall be performed under the supervision of a Licensed Certified applicator.

#### APPROVALS

Any work performed in addition to that which is outlined in the contract shall only be done upon written approval by the Owner's Representative (General Manager of the restaurant).

All seasonal color selections shall be approved by the General Manager prior to ordering and installation.

#### SOIL TESTING

The maintenance contractor shall perform soil tests as needed to identify imbalances or deficiencies causing plant material decline. The owner shall be notified of the recommendation for approval, and the necessary corrections made at an additional cost to the owner.

Acceptable Soil Test Results

	Landscape Trees and Shrubs	Turf
<b>pH Range</b>	5.0-7.0	6.0-7.0
<b>Organic Matter</b>	>1.5%	>2.5%
<b>Magnesium (Mg)</b>	100+lbs./acre	100+lbs./acre
<b>Phosphorus (P2O5)</b>	150+lbs./acre	150+lbs./acre
<b>Potassium (K2O)</b>	120+lbs./acre	120+lbs./acre
<b>Soluble salts</b>	Not to exceed 900ppm/1.9 mmhos/cm in soil; not to exceed 1400 ppm/2.5 mmhos/cm in high organic mix	Not to exceed 750ppm/0.75 mmhos/cm in soil; not to exceed 2000 ppm/2.0 mmhos/cm in high organic mix
<b>Conductivity</b>		

For unusual soil conditions, the following optional tests are recommended with levels not to exceed:

Boron	3 pounds per acre
Manganese	50 pounds per acre
Potassium (K2O)	450 pounds per acre
Sodium	20 pounds per acre

#### WORKMANSHIP

During landscape maintenance operations, all areas shall be kept neat and clean. Precautions shall be taken to avoid damage to existing structures. All work shall be performed in a safe manner to the operators, the occupants and any pedestrians.

Upon completion of maintenance operations, all debris and waste material shall be cleaned up and removed from the site, unless provisions have been granted by the owner to use on-site trash receptacles.

Any damage to the landscape, the structure, or the irrigation system caused by the maintenance contractor, shall be repaired by the maintenance contractor without charge to the owner.

### TURF

#### GENERAL CLEAN UP

Prior to mowing, all trash, sticks, and other unwanted debris shall be removed from lawns, plant beds, and paved areas.

#### MOWING

Warm season grasses (i.e. Bermuda grass) shall be maintained at a height of 1" to 2" during the growing season.

Cool season grasses, including blue grass, tall fescue, perennial ryegrass, etc., shall be maintained at a height of 2" to 3" in spring and fall. From June through September, mowing height shall be maintained at no less than 3".

The mowing operation includes trimming around all obstacles, raking excessive grass clippings and removing debris from walks, curbs, and parking areas. Weed eaters should NOT be used around trees because of potential damage to the bark.

#### EDGING

Edging of all sidewalks, curbs and other paved areas shall be performed once every other mowing. Debris from the edging operations shall be removed and the areas swept clean. Caution shall be used to avoid flying debris.

#### LIMING & FERTILIZING

A soil test shall be taken to determine whether an application of limestone in late fall is necessary. If limestone is required, the landscape contractor shall specify the rate, obtain approval from the owner and apply it at an additional cost. A unit price for liming of turf shall accompany the bid based on a rate of 50 pounds per 1000 square feet.

Fertilizer shall be applied in areas based on the existing turf species.

#### LAWN WEED CONTROL: HERBICIDES

Selection and proper use of herbicides shall be the landscape contractor's responsibility. All chemical applications shall be performed under the supervision of a Licensed Certified Applicator. **Read the label prior to applying any chemical.**

#### INSECT & DISEASE CONTROL FOR TURF

The contractor shall be responsible for monitoring the site conditions on each visit to determine if any insect pest or disease problems exist. The contractor shall identify the insect pest or disease, as well as the host plant, and then consult the most current edition of the Cooperative Extension Service's "Commercial Insecticide Recommendation for Turf" for control. The licensed applicator shall be familiar with the label provided for the selected product prior to application.

Inspection and treatment to control insect pests shall be included in the contract price.

### TREES, SHRUBS, & GROUND COVER

#### PRUNING

All ornamental trees, shrubs and ground cover shall be pruned when appropriate to remove dead or damaged branches, develop the natural shapes. **Do not shear trees or shrubs.** If previous maintenance practice has been to shear and ball, then a natural shape will be restored gradually.

#### Pruning Guidelines:

1. Prune those that flower before the end of June immediately after flowering. Flower buds develop during the previous growing season. Fall, winter or spring pruning would reduce the spring flowering display.
2. Prune those that flower in summer or autumn in winter or spring before new growth begins, since these plants develop flowers on new growth.
3. Delay pruning plants grown for ornamental fruits, such as cotoneasters, pyracanthas and viburnums.
4. Hollies and other evergreens may be pruned during winter in order to use their branches for seasonal decoration. However, severe pruning of evergreens should be done in early spring.
5. Broadleaf evergreen shrubs shall be hand-pruned to maintain their natural appearance after the new growth hardens off.
6. Hedges or shrubs that require shearing to maintain a formal appearance shall be pruned as required. Dead wood shall be removed from sheared plants before the first shearing of the season.
7. Conifers shall be pruned, if required, according to their genus.
  - A. Yews, junipers, hemlocks, arborvitae, and false-cypress may be pruned after new growth has hardened off in late summer. If severe pruning is necessary, it must be done in early spring.
  - B. Firs and spruces may be lightly pruned in late summer, fall, or winter after completing growth. Leave side buds. Never cut central leader.
8. Groundcover shall be edged and pruned as needed to contain it within its borders.

9. Thinning: Remove branches and water sprouts by cutting them back to their point of origin on parent stems. This method results in a more open plant, without stimulating excessive growth. Thinning is used on crepe myrtles, lilacs, viburnums, smoke bush, etc.
10. Renewal pruning: Remove oldest branches of shrub at ground, leaving the younger, more vigorous branches. Also remove weak stems. On overgrown plants, this method may be best done over a three-year period. Renewal pruning may be used on abelia, forsythia, deutzia, spiraea, etc.

Plants overhanging passageways and parking areas and damaged plants shall be pruned as needed.

Shade trees that cannot be adequately pruned from the ground shall not be included in the Maintenance Contract. A certified arborist under a separate contract shall perform this type of work.

#### SPRING CLEANUP

Plant beds shall receive a general cleanup before fertilizing and mulching. Cleanup includes removing debris and trash from beds and cutting back herbaceous perennials left standing through winter, e.g. ornamental grasses, Sedum Autumn Joy.

#### FERTILIZING

For trees, the rate of fertilization depends on the tree species, tree vigor, area available for fertilization, and growth stage of the tree. Mature specimens benefit from fertilization every 3 to 4 years; younger trees shall be fertilized more often during rapid growth stages.

The current recommendation is based on the rate of 1000 square feet of area under the tree to be fertilized. For deciduous trees, 2 to 6 pounds of Nitrogen per 1000 square feet, for narrow-leaf evergreens, 1 to 4 pounds of Nitrogen per 1000 square feet; for broadleaf evergreens, 1 to 3 pounds of Nitrogen per 1000 square feet.

Shrubs and groundcover shall be top-dressed with compost 1" deep, or fertilized once in March with 10-6-4 analysis fertilizer at the rate of 3 pounds per 100 square feet of bed area. Eriaceous material shall be fertilized with an ericaceous fertilizer at the manufacturer's recommendation rate. If plants are growing poorly, a soil sample should be taken.

#### MULCHING

Annually, all tree and shrub beds will be prepared and mulched, to a minimum depth of 3" with quality mulch to match existing. Bed preparation shall include removing all weeds, cleaning up said bed, edging and cultivating decayed mulch into the soil. Debris from edging is to be removed from beds where applicable. If deemed necessary, a pre-emergent herbicide may be applied to the soil to inhibit the growth of future weeds.

Organically maintained gardens shall not receive any pre-emergent herbicides. Mulch in excess of 4" will be removed from the bed areas. SPECIAL CARE shall be taken in the mulching operation not to over-mulch or cover the base of trees and shrubs. This can be detrimental to the health of the plants.

#### WEEDING

All beds shall be weeded on a continuous basis throughout the growing season to maintain a neat appearance at all times.

Pre-emergent (soil-applied) and post-emergent (foliar-applied) herbicides shall be used where and when applicable and in accordance with the product's label.

#### INSECT & DISEASE CONTROL: TREES, SHRUBS & GROUNDCOVER

The maintenance contractor shall be responsible for monitoring the landscape site on a regular basis. The monitoring frequency shall be monthly except for growing season, which will be every other week. Trained personnel shall monitor for plant damaging insect activity, plant pathogenic diseases and potential cultural problems in the landscape. The pest or cultural problem will be identified under the supervision of the contractor.

For plant damaging insects and mites identified in the landscape, the contractor shall consult and follow the recommendations of the most current edition of the state Cooperative Service publication on insect control on landscape plant material.

Plant pathogenic disease problems identified by the contractor that can be resolved by pruning or physical removal of damaged plant parts will be performed as part of the contract. For an additional charge, plant pathogenic diseases that can be resolved through properly timed applications of fungicides shall be made when the owner authorizes it.

If the contractor notes an especially insect-or disease-prone plant species in the landscape, he/she will suggest replacement with a more pest-resistant cultivar or species that is consistent with the intent of the landscape design.

NOTE: For identification of plant-damaging insects and mites, a reference textbook that can be used is *Insects that Feed on Trees and Shrubs* by Johnson and Lyon, Comstock Publishing Associates. For plant pathogenic diseases, two references are suggested: *Scouting and Controlling Woody Ornamental Diseases in Landscapes and Nurseries*, authorized by Gary Moorman, published by Penn State College of Agricultural Sciences, and *Diseases of Trees and Shrubs* by Sinclair and Lyon, published by Comstock Publishing Press.

#### TRASH REMOVAL

The maintenance contractor shall remove trash from all shrub and groundcover beds with each visit.

#### LEAF REMOVAL

All fallen leaves shall be removed from the site in November and once in December. If requested by the owner, the maintenance contractor, at an additional cost to the owner shall perform supplemental leaf removals.

#### WINTER CLEAN-UP

The project shall receive a general clean-up once during each of the winter months, i.e., January, February, and March.

#### Clean-up includes:

- Cleaning curbs and parking areas
- Removing all trash and unwanted debris
- Turning mulch where necessary
- Inspection of grounds

### SEASONAL COLOR: PERENNIALS, ANNUALS, AND BULBS

The installation of perennials, annuals, and bulbs, unless specified herein, shall be reviewed with the owner, and, if accepted, installed and billed to the owner.

#### SEASONAL COLOR MAINTENANCE

##### Perennialization of Bulbs:

1. After flowering, cut off spent flower heads.
2. Allow leaves of daffodils and hyacinths to remain for six weeks after flowers have faded. Cut off at base.
3. Allow leaves of other bulbs to yellow naturally and then cut off at base.
4. Apply fertilizer after flowering in spring, possibly again in fall. Apply 10-10-10 at the rate of 2 pounds per 1000 square feet, or top-dress with compost 1" deep. Fall fertilization with a bulb fertilizer or mulching with 1" of compost is optional.

##### Flower Rotation:

1. Bulbs: Remove the entire plant and bulb after flowers have faded or at the direction of the owner, and install new plants if included in contract.
2. Summer Annuals or Fall Plants:
  - a. Dead heading: Pinch and remove dead flowers on annuals as necessary.
  - b. Fertilizing Summer Annuals: Fertilize using one or two methods: Apply a slow-release fertilizer in May following manufacturer's recommendations. A booster such as 10-10-10 may be necessary in late summer. Or, apply liquid fertilizations of 20-20-20 water-soluble fertilizers, not to exceed 2 pounds of 20-20-20 per 100 gallons of water, monthly; or mulch with compost 1" deep.
  - c. Removal: If fall plants are to be installed, summer annuals shall be left in the ground until the first killing frost and then removed, unless otherwise directed by the owner.

#### Perennials:



Chick-fil-A

Chick-fil-A  
5200 Buffington Road  
Atlanta, Georgia 30349-2998



770.442.8171 tel  
770.442.1123 fax

Manley Land Design, Inc.  
51 Old Canton Street  
Alpharetta, Georgia 30009

manleylanddesign.com

CHICK-FIL-A

Coconut Creek  
4670 N. State Road 7  
Coconut Creek, FL 33073

FSU# 3841

NO.	DATE	DESCRIPTION
1	4/30/18	City Comments
2	7/27/18	City Comments
4	8/10/18	City Comments/Site Change
5	10/3/18	City Comments/Site Change
7	5/1/19	Revised Site Plan

MLD PROJECT # 2017161  
PRINTED FOR Permit  
DATE 11.21.17  
DRAWN BY SLG

Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.

SHEET  
Permit Irrigation Plan

SHEET NUMBER

L-200

### IRRIGATION ZONES

#### SMART CONTROLLER

1.....	DRIP	6.....	5.37 GPM
2.....	12.12 GPM	7.....	DRIP
3.....	DRIP	8.....	DRIP
4.....	DRIP		
5.....	DRIP		

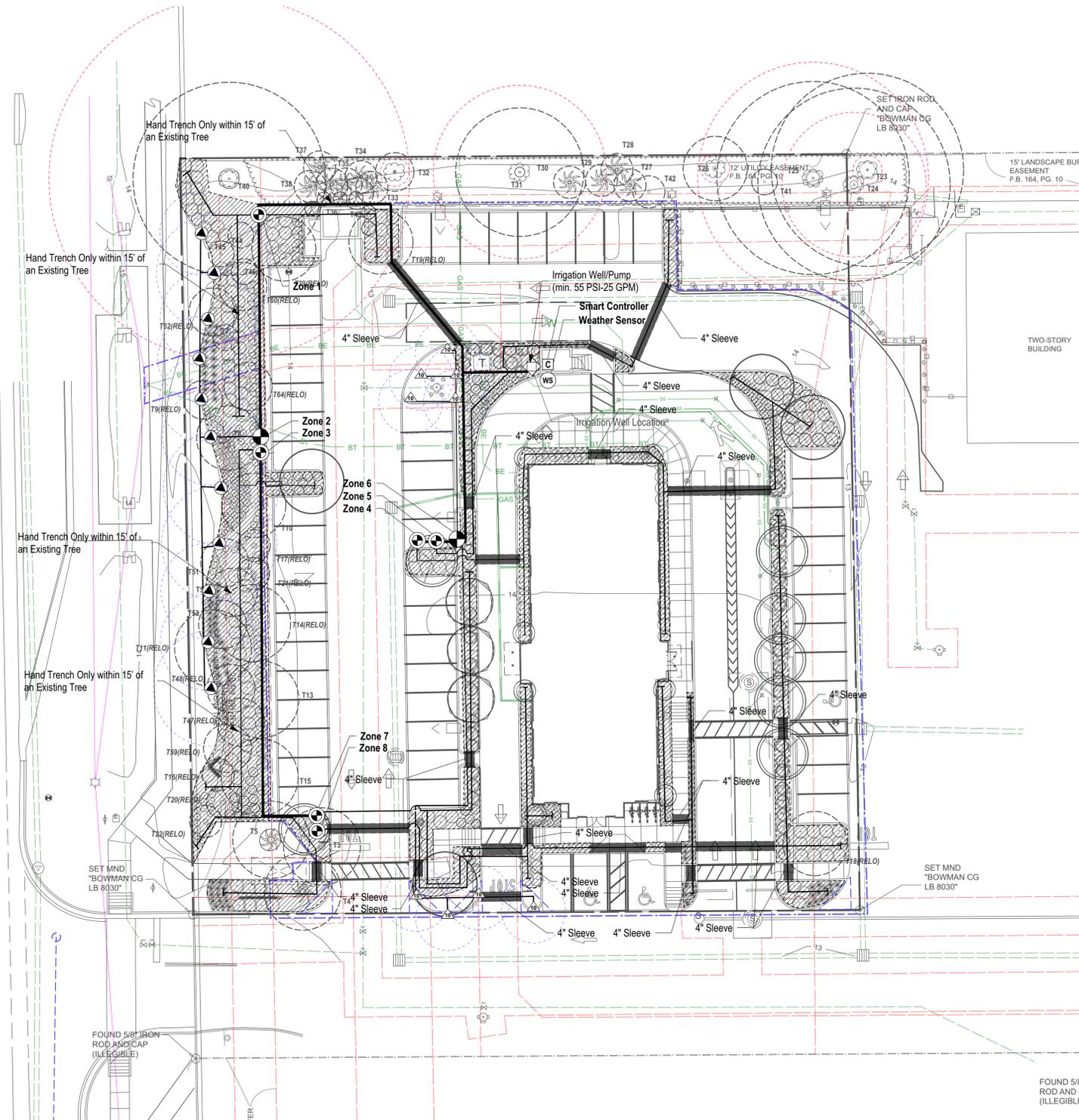
**NOTE:**  
SEE SHEET L-201 FOR IRRIGATION DETAILS

### IRRIGATION NOTES

1. Irrigation contractor is responsible for locating and protecting all underground utilities prior to trenching.
2. Pressure regulator required by local code if static water pressure at point of connection for site is greater than 80 psi.
3. Irrigation well and pump shall produce a min. of 55 PSI and 25 GPM
4. All valves to be located in valve box with cover at grade; Locate box in grass area when possible.
5. Automatic controller and weather sensor to be located in the storage room and trash enclosure respectively; Weather Sensor to be free from obstructions and exposed to the weather.
6. All pipes, automatic valves, backflow preventor, manual valve and meter to be located within property lines. Shown outside on drawing for clarity only.
7. 45 psi required per rotor station, 30 psi required per spray station, 40 psi required per drip station. All spray and rotor bodies to have PRS (in-stem pressure regulation) as indicated in the legend.
8. Pop-up height of spray heads to be as follows: 6" in Turf Zones, 12" in Shrub Zones, and 12" in Seasonal/color beds. Rotor height to be 4". MPR Rotor Nozzle size is indicated on drawing for each rotor.
9. 4" SCH 40 PVC sleeves to be located as shown on drawing. Extend sleeve 18" beyond back of curb or pavement. Sleeves to be located and exposed by the general contractor prior to start of irrigation installation.
10. All 1.5" mainlines (class 200 PVC pipe) to have a minimum of 18" cover.
11. All lateral and sub-main pipe (class 200 PVC pipe) to have a minimum of 12" and a maximum of 18" cover.
12. No rocks, boulders, or other extraneous materials to be used in backfilling trenches.
13. All threaded joints to be coated with Teflon Tape or Liquid Teflon.
14. All lines to be thoroughly flushed before installation of sprinkler heads.
15. Must use products specified on this drawing, unless otherwise approved by the Landscape Architect. Refer to the Irrigation Legend for product specs.
16. Irrigation is to be installed as designed, unless otherwise approved by the Landscape Architect.
17. All pipe, valves, drip, spray heads, rotors, controllers, and weather sensors to be installed as per manufacturers specifications. For any questions on Rainbird products or installation of rainbird products call Donn Mann 520-904-1146
18. Irrigation contractor shall provide an as-built drawing to the landscape architect; this drawing shall be overnighted within 24 hours of completion of installation.
19. Irrigation Contractor to perform a walk-thru inspection with the Store Operator of the functioning system prior to opening but no later than one week after opening.

### IRRIGATION LEGEND

<b>W</b>	IRRIGATION WELL AND PUMP	WELL AND PUMP SHALL PRODUCE A MIN. 55 PSI AND 25 GPM
<b>S</b>	1" MANUAL SHUTOFF VALVE	1 REQUIRED
<b>PR</b>	BACKFLOW PREVENTER (AS REQUIRED)	AS REQUIRED BY CITY
<b>EV</b>	1" ELECTRICAL MASTER VALVE	1 REQUIRED
	LANDSCAPE DRIPLINE	RAINBIRD XFD-09-18
	0-360 VARIABLE ARC SPRAY NOZZLE - 10' RADIUS	RAINBIRD 1800-PRS-HE-VAN-10
	45-270 ADJUSTABLE ARC ROTARY NOZZLE - 8'-14" RADIUS	RAINBIRD RD1800-S-P45-RVAN14
	45-270 ADJUSTABLE ARC ROTARY NOZZLE - 13'-18" RADIUS	RAINBIRD RD1800-S-P45-RVAN18
	45-270 ADJUSTABLE ARC ROTARY NOZZLE - 17'-24" RADIUS	RAINBIRD RD1800-S-P45-RVAN1724
	1" ELECTRIC VALVE	RAINBIRD 100-PGA
	1" DRIP CONTROL ZONE VALVE	RAINBIRD XCZ-100-PRB-COM
<b>C</b>	AUTOMATIC SMART CONTROLLER	RAINBIRD ESP-SMTe (120V required); expansion modules as needed
<b>WS</b>	WEATHER SENSOR	INCLUDED W/IT CONTROLLER
	MAINLINE AND LATERAL LINE	CLASS 200 PVC IRRIGATION PIPE AND FITTINGS - 1.5" MAINLINE, 1" LATERAL LINES
	IRRIGATION SLEEVE - 4" SCH 40 PVC	4" SCH 40 PVC SLEEVE UNDER PAVEMENT installation of sleeves by contractor in location as shown on plan.

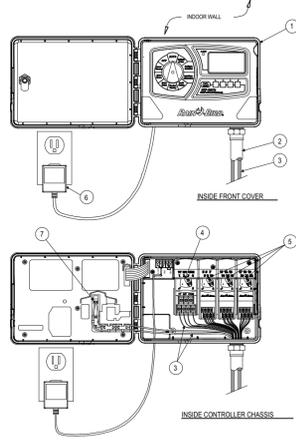


Irrigation contractor shall provide an as built drawing to the landscape architect. This drawing shall be overnighted to Manley Land Design, Inc within 24 hours of completion of installation.

Irrigation Contractor to perform a walk-thru inspection with the Store Operator of the functioning system prior to opening but no later than one week after opening.

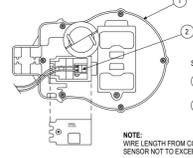


0 20 40 FT

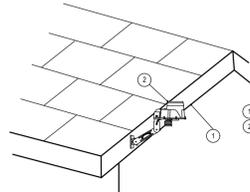


**GENERAL NOTES:**

- 1 RAIN BIRD ESP-SMTe INSIDE WALL MOUNT
- 2 1/2" PVC SCH 40 CONDUIT AND FITTINGS
- 3 WIRES TO REMOTE CONTROL VALVES AND SENSOR
- 4 STANDARD MODULE FOR 4-STATION CONTROLLER
- 5 OPTIONAL MODULES FOR 22-STATION CONTROLLER
- 6 120 VAC, 60 HZ EXTERNAL PLUG-IN TRANSFORMER
- 7 CONNECTION FOR WIRES FROM SENSOR



NOTE: WIRE LENGTH FROM CONTROLLER TO SENSOR NOT TO EXCEED 200 FEET.



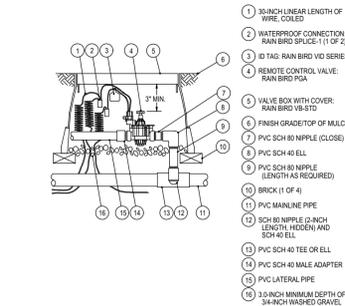
NOTES:  
1. LENGTH OF WIRE FROM CONTROLLER TO SENSOR SHOULD BE NO GREATER THAN 200 FEET.  
2. SENSOR MAY BE MOUNTED ON FENCE, FENCE POST OR ON EAVE OF BUILDING.  
3. SENSOR SHOULD NOT BE MOUNTED UNDER TREES IN AREAS AFFECTED BY SPRINKLER SYSTEM OR UNDER EAVE OF BUILDING.

**1 IRRIGATION SMART CONTROLLER: ESP-SMTe SCALE: NTS (LOCATE IN STORAGE ROOM)**

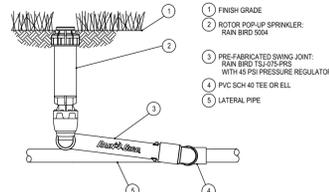
**2 IRRIGATION WEATHER SENSOR SCALE: NTS (LOCATE AT DUMPSTER WALL)**

**3 IRRIGATION TRENCHING AND PIPE DEPTH SCALE: NTS**

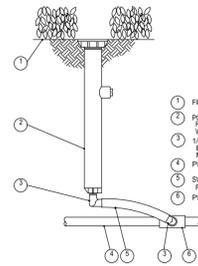
**4 IRRIGATION SLEEVING SCALE: NTS**



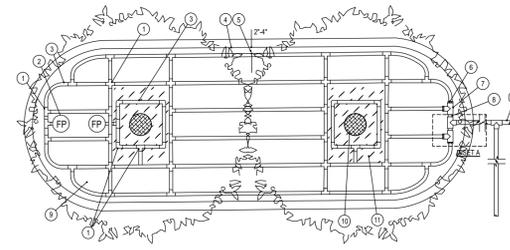
- 1 3/8" MINIMUM LINEAR LENGTH OF WIRE COILED
- 2 WATERPROOF CONNECTION RAIN BIRD SPLICE 1 (1 OF 2)
- 3 ID TAG: RAIN BIRD V8 SERIES REMOTE CONTROL VALVE: RAIN BIRD V8A
- 4 VALVE BOX WITH COVER: RAIN BIRD V8-STD
- 5 FINISH GRADE/TOP OF MULCH
- 6 PVC SCH 80 NIPPLE (CLOSE)
- 7 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 8 BRICK (1 OF 4)
- 9 PVC MAINLINE PIPE
- 10 SCH 80 NIPPLE (2-INCH LENGTH) HIDDEN AND SCH 40 ELL
- 11 PVC SCH 40 TEE OR ELL
- 12 PVC SCH 40 MALE ADAPTER
- 13 PVC LATERAL PIPE
- 14 3-INCH MINIMUM DEPTH OF 3/4" WASHED GRAVEL



- 1 FINISH GRADE
- 2 ROTOR POP-UP SPRINKLER: RAIN BIRD 5004
- 3 PRE-FABRICATED SWING JOINT: RAIN BIRD TSJ-075-PRS WITH 45° PSI PRESSURE REGULATOR
- 4 PVC SCH 40 TEE OR ELL
- 5 LATERAL PIPE



- 1 FINISH GRADE/TOP OF MULCH
- 2 POP-UP SPRAY SPRINKLER WITH SERIES NOZZLE - PPS
- 3 1/2-INCH MALE NPT 4-490 INCH BARE ELBOW: RAIN BIRD MODEL: SBE-650
- 4 PVC LATERAL PIPE
- 5 SWING PIPE: 10-INCH LENGTH: RAIN BIRD MODEL: SP-100
- 6 PVC SCH 40 TEE OR ELL



NOTES:  
1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE INSTALLATION SPECIFICATIONS ON RAIN BIRD WEB SITE (WWW.RAINBIRD.COM) FOR SUGGESTED SPACING.  
2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.  
3. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.  
4. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES - ON EACH LEG OF THE CHANGE OF DIRECTION.  
5. WHEN USING 17MM INSERT FITTINGS WITH DESIGN PRESSURE OVER 50PSI, IT IS RECOMMENDED THAT STAINLESS STEEL CLAMPS BE INSTALLED ON EACH FITTING.

Initial Pressure psi	XFCV Dripline Maximum Lateral Lengths (Feet)	
	12" Spacing	18" Spacing
20	5.4	6.9
30	3.9	5.0
40	3.0	3.9
50	2.3	3.0
60	1.8	2.3

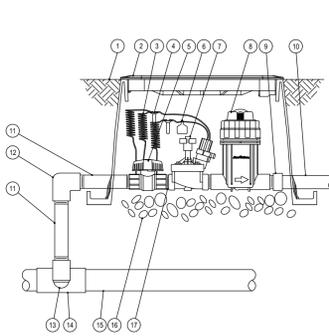
- 1 BARR V BARR INSERT EL, TEE OR CROSS: RAIN BIRD XFF-ELBOW (TYPICAL), RAIN BIRD XFF-TEE (TYPICAL), RAIN BIRD XFF-CROSS (TYPICAL)
- 2 FLUSH POINT (TYPICAL): SEE RAIN BIRD DETAIL "XFD FLUSH POINT"
- 3 ON-SURFACE DRIPLINE PIPE: RAIN BIRD XFF SERIES DRIPLINE, POTABLE: XFCV DRIPLINE
- 4 PARKING ISLAND CURB
- 5 PERMETER DRIPLINE PIPE TO BE INSTALLED 2"-4" FROM PARKING ISLAND CURB
- 6 BARR X MALE FITTING: RAIN BIRD XFF-MA FITTING (TYPICAL)
- 7 PVC SCH 40 TEE OR ELL (TYPICAL)
- 8 PVC SUPPLY MANIFOLD
- 9 SHRUB OR GROUND COVER BED
- 10 TREE (TYPICAL)
- 11 MULCH BED FOR TREE
- 12 2-3 INCHES DEPTH OF MULCH
- 13 FINISH GRADE
- 14 PVC DRIP MANIFOLD FROM RAIN BIRD CONTROL ZONE VALVE KIT (SIZED TO MEET LATERAL FLOW DEMAND)
- 15 PVC RISER PIPE

**5 IRRIGATION VAVLE: 100-PGA SCALE: NTS**

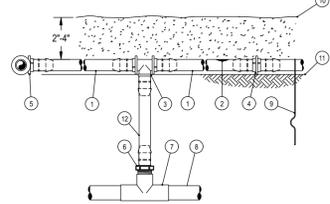
**6 POP-UP ROTOR: 5000 SERIES W/T MPR NOZZLE SCALE: NTS**

**7 POP-UP SPRAY: 1800 SERIES SCALE: NTS**

**8 DRIP: SYSTEM LAYOUT AND INSTALLATION OVERVIEW SCALE: NTS**

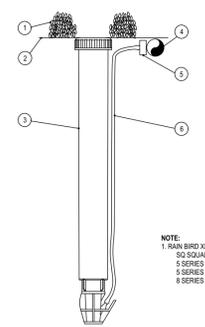


- 1 FINISH GRADE/TOP OF MULCH
- 2 VALVE BOX WITH COVER: RAIN BIRD V8-STD
- 3 3/8" MINIMUM LINEAR LENGTH OF WIRE COILED
- 4 WATERPROOF CONNECTION: RAIN BIRD SPLICE 1
- 5 1-INCH BALL VALVE (INCLUDED IN XCZ-PRB-100-COM KIT)
- 6 ID TAG
- 7 REMOTE CONTROL VALVE: RAIN BIRD V8B (INCLUDED IN XCZ-PRB-100-COM KIT)
- 8 PRESSURE REGULATING CHECK-BASKET FILTER: RAIN BIRD PRB-QKCHK-100 (INCLUDED IN XCZ-PRB-100-COM KIT)
- 9 PVC SCH 40 FEMALE ADAPTOR
- 10 LATERAL PIPE
- 11 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 12 PVC SCH 40 ELL
- 13 PVC SCH 80 NIPPLE (2-INCH LENGTH) HIDDEN AND PVC SCH 40 ELL
- 14 PVC SCH 40 TEE OR ELL
- 15 MAINLINE PIPE
- 16 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- 17 PVC SCH 80 NIPPLE (CLOSE) (INCLUDED IN XCZ-PRB-100-COM KIT)

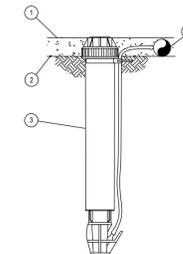


NOTES:  
1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.  
2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.  
3. SAVE YOUR HANDS. USE THE RAIN BIRD FITTINGS-TOOL, XFD INSERTION TOOL, FOR FITTING ASSEMBLY.

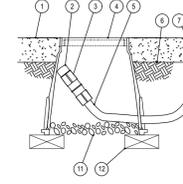
- 1 ON-SURFACE DRIPLINE: RAIN BIRD XFF SERIES DRIPLINE, POTABLE: XFCV DRIPLINE
- 2 INLINE DRIP EMITTER OUTLET. SEE PLANS FOR DRIPLINE OUTLET SPACING
- 3 BARR TEE 1/2"x1/2"x1/2"
- 4 BARR COUPLING 1/2"x1/2"
- 5 BARR ELBOW 1/2"x1/2"
- 6 BARR MALE ADAPTER 1/2"x1/2" MPT
- 7 RAIN BIRD XFF-MA-055 1/2"x1/2" MPT
- 8 RAIN BIRD XFF-MA-075 1/2"x1/2" MPT
- 9 PVC TEE 3/4"x1/2"
- 10 PVC LATERAL SUPPLY HEADER
- 11 TIE DOWN STAKE: RAIN BIRD TDS-055 WITH BEND (TYPICAL)
- 12 MULCH
- 13 FINISH GRADE
- 14 RAIN BIRD XFF SERIES BLANK TUBING LENGTH AS REQUIRED



NOTE:  
1. RAIN BIRD XERI-POP CAN UTILIZE THE FOLLOWING NOZZLES:  
S2 SQUARE NOZZLES (FORMERLY XPCN)  
S3 SERIES MPN NOZZLES (ALL CONFIGURATIONS)  
S5 SERIES PLASTIC BUBBLERS  
S8 SERIES MPR NOZZLES (S1, S17 AND S20)



NOTE:  
1. USE XERIMAN TOOL, XM-TOOL, TO INSERT BARR TRANSFER FITTING DIRECTLY INTO DRIPLINE TUBING.  
2. VAN NOZZLE MAY BE SET TO CLOSED, OR IF IT IS DESIRED TO SEE SPRAY FROM THE NOZZLE, SET THE ARC TO A PATTER. THE FLOW FROM THE NOZZLE: 0.3 GPM. SHOULD BE ACCOUNTED FOR IN THE SYSTEM DESIGN.



NOTE:  
1. ALLOW A MINIMUM OF 6-INCHES OF DRIPLINE TUBING IN VALVE BOX IN ORDER TO DIRECT FLUSHED WATER OUTSIDE VALVE BOX.

- 1 MULCH
- 2 FLUSH CAP FOR EASY FIT COMPRESSION FITTINGS: POTABLE: RAIN BIRD MDCFCAP
- 3 EASY FIT COUPLING: RAIN BIRD MDCFCOUP
- 4 SUBTERRANEAN EMITTER BOX: RAIN BIRD SEB 7X8
- 5 1/2" POLYETHYLENE TUBING: RAIN BIRD XFF BLANK TUBING
- 6 FINISH GRADE
- 7 PVC EXHAUST HEADER
- 8 BARR X MALE FITTING: RAIN BIRD XFF-MA FITTING (TYPICAL)
- 9 ON-SURFACE DRIPLINE: RAIN BIRD XFF SERIES DRIPLINE, POTABLE: XFCV DRIPLINE
- 10 3-INCH MINIMUM DEPTH OF 3/4" WASHED GRAVEL: BRICK (1 OF 2)

**9 DRIP VALVE: XCZ-PRB-100-COM SCALE: NTS**

**10 DRIP: ON-SURFACE RISER ASSEMBLY SCALE: NTS**

**11 DRIP: XERI-POP MICRO SPRAY SCALE: NTS**

**12 DRIP: OPERATION INDICATOR SCALE: NTS**

**13 DRIP: DRIPLINE FLUSH POINT SCALE: NTS**



**Chick-fil-A**  
Chick-fil-A  
5200 Buffington Road  
Atlanta, Georgia 30349-2998



770.442.8171 tel  
770.442.1123 fax  
Manley Land Design, Inc.  
51 Old Canton Street  
Alpharetta, Georgia 30009  
manleylanddesign.com

**CHICK-FIL-A**  
Coconut Creek  
4670 N. State Road 7  
Coconut Creek, FL 33073

**FSU# 3841**

REVISION SCHEDULE		
NO.	DATE	DESCRIPTION
1	4/30/18	City Comments
2	7/27/18	Revised Site Permit Submittal
3	9/25/18	FDOT & DRC Comments
4	10/17/18	FDOT Comments
5	1/29/19	Revised Site Permit Submittal
7	5/1/19	Revised Site Plan

MLD PROJECT # 2017161  
PRINTED FOR Permit  
DATE 11.21.17  
DRAWN BY SLG

Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.

Permit Irrigation Details  
SHEET  
L-201

## IRRIGATION COMPONENTS AND/OR SYSTEMS

### PART 1 – GENERAL

#### SECTION INCLUDES

Work to be performed under this Section shall consist of furnishing all labor and materials necessary to construct a complete working and tested sprinkler irrigation system as per all drawings and specifications.

#### REFERENCES

- ANSI – American National Standards Institute
- ASIC – American Society of Irrigation Consultants: ASIC Grounding Guideline.
- ASSE – American Society of Sanitary Engineering: ASSE 1013, 1015: Backflow Preventers, Pressure Reducers.
- ASTM – American Society of Testing and Materials
- IA – The Irrigation Association: Main BMP Document.
- NFPA – National Fire Protection Association: NFPA 70 National Electrical Code.
- UL – Underwriters Laboratories: UL Wires and Cables.

#### PERFORMANCE REQUIREMENTS

- All work to be performed to current standards of SEI and of the local governing municipality.
- PVC Pipe: Must be stamped with certified NFS.
- Contractor shall be responsible to obtain all necessary permits and to comply with electrical company requirements.
- No substitutions of materials are allowed unless approved by Landscape Architect.

#### QUALITY ASSURANCE

- Contractor shall have considerable experience and demonstrate ability in the installation of irrigation system(s) of specified type(s) in a neat, orderly, and responsible manner in accordance with recognized standards of workmanship.
- All work shall be performed in accordance with the best standards of practice relating to the trade.
- Contractor shall provide an irrigation as-built drawing to the designer responsible for the irrigation plan. **This drawing shall be overnighted to the respective party within 24 hours of installation completion.**

#### WARRANTY

- Contractor shall provide a one year warranty that covers all workmanship and labor.
- Contractor shall provide a five year warranty that covers all materials.

### PART 2 - PRODUCTS

#### PIPE AND FITTINGS

- Material: PVC
- Pressure Pipe: Class 200.
- Lateral Pipe: Class 200, Polyethylene for Northeastern Climate.
- Fittings: Schedule 40, solvent welded or threaded.
- Risers: Schedule 80, threaded.
- Sleeves: Schedule 40, minimum 4".

#### AUTOMATIC CONTROLLER

- Irrigation controller specifications include but are not limited to:
  - The controller shall be of a hybrid type that is microelectronic circuitry capable of fully automatic or manual operation.
  - All stations shall have the capability of independently obeying or ignoring the weather sensor as well as using or not using the master valve.
  - The controller shall have the capability of shutting off the system on rainy days.
- Control zone kit for drip zones with flows from 3 to 15 gpm (11.4 to 56.8 l/m), including control valve (CV) and pressure-regulating filter (PRF).
  - Control Valve (CV) component specifications include:
    - Valve body and bonnet constructed of high impact, weather-resistant plastic, stainless steel and other chemical/ultra-violet resistant materials.
    - One unit diaphragm constructed of durable Buna-N rubber with a clog resistant metering orifice.
    - Inlet pressure rating of 15 to 150 psi (1.0 to 10.3 bar).
  - Pressure Regulating Filter (PRF) component specifications include:
    - Compact "Y" filter body and cap configuration constructed of glass-filled, ultra-violet resistant polypropylene, with 150 psi (10.3 bar) operating pressure rating.
    - 200 mesh (75 micron) filter screen constructed of stainless steel.
    - Normally-open pressure regulating device with preset outlet pressure of 40 psi (2.8 bar).
  - Regulated pressure of 40 psi (2.8 bar).
- Low flow control zone kit for drip zones with flows from 0.2 to 5.0 gpm (0.8 to 18.9 l/m), including Low Flow Valve (LFV) and Pressure-Regulating Filter (PRF).
  - Low flow valve (LFV) component specifications include:
    - Valve body and bonnet constructed of high impact, weather-resistant plastic, stainless steel and other chemical/ultra-violet resistant materials.
    - One unit diaphragm constructed of durable Buna-N rubber material with a clog resistant metering orifice.
    - Inlet pressure rating of 15 to 150 psi (1.0 to 10.3 bar).
  - Pressure regulating filter (PRF) component specifications include:
    - Compact "Y" filter body and cap configuration constructed of glass-filled, ultra-violet resistant polypropylene, with 150 psi (10.3 bar) operating pressure rating.
    - 200 mesh (75 micron) filter screen constructed of stainless steel.
    - Normally-open pressure regulating device with preset outlet pressure of 30 psi (2.1 bar).
  - Regulated pressure of 30 psi (2.1 bar).

#### POP-UP SPRINKLERS

- Irrigation spray body for small turf areas (2.5-24 feet (0.8-7.3m) with a 30 psi (2.0 bar) pressure regulating device specifications include but are not limited to:
  - Parts and components to withstand harsh operating conditions using chemically treated recycled water (reclaimed/non-potable), dirty water containing grit, debris, and other particulates, high operating pressures common in commercial irrigation and resistant to ultra-violet light.
  - Pressure-activated, co-molded soft elastomer wiper seal composed of three wipers and a base seal to ensure a positive seal without excess "flow-by" which enables more heads to be installed on the same valve.
  - Recessed debris pockets located in the base of the spray body to prevent recirculation of harmful debris during operation.
  - Shall include a check valve to prevent low head drainage of up to 14 feet (4.3 m); 6 psi (0.4 bar).
  - Shall include technology built into the stem to prevent water loss and alert maintenance when a spray nozzle is removed.
  - Flow by rating of 0 at 15 psi (1.0 bar) or greater, 0.5 gpm (0.1 m3/h; 0.03 l/s) otherwise.
  - Shall include 1/2" (15/21) NPT female threaded bottom inlet.
  - The spray body, stem, nozzle, and screen shall be constructed of heavy-duty and ultra-violet resistant plastic.
- Irrigation spray body for small turf areas (2.5-24 feet (0.8-7.3m) with a 45 psi (3.1 bar) pressure regulating device specifications include but are not limited to:
  - Parts and components to withstand harsh operating conditions using chemically treated recycled water (reclaimed/non-potable), dirty water containing grit, debris, and other particulates, high operating pressures common in commercial irrigation and resistant to ultra-violet light.
  - Pressure-activated, co-molded soft elastomer wiper seal composed of three wipers and a base seal to ensure a positive seal without excess "flow-by" which enables more heads to be installed on the same valve.
  - Recessed debris pockets located in the base of the spray body to prevent recirculation of harmful debris during operation.
  - Shall include a check valve to prevent low head drainage of up to 14 feet (4.3 m); 6 psi (0.4 bar).
  - Shall include technology built into the stem to prevent water loss and alert maintenance when a spray nozzle is removed.
  - Flow by rating of 0 at 15 psi (1.0 bar) or greater, 0.5 gpm (0.1 m3/h; 0.03 l/s) otherwise.
  - Shall include 1/2" (15/21) NPT female threaded bottom inlet.
  - The spray body, stem, nozzle, and screen shall be constructed of heavy-duty and ultra-violet resistant plastic.

#### SPRAY NOZZLES

- Fixed or variable arc matched precipitation rate spray nozzle for small turf areas (3-15 feet (.91-4.6 m), maximum 30 psi (2.1 bar) specifications include but are not limited to:
  - Shall be constructed of ultra-violet resistant plastic.
  - Shall contain a stainless steel flow and radius adjustment screw allowing up to 25% radius reduction.
  - Nozzle shall have a precipitation rate that is matched across sets and patterns of spray nozzles up to 15 feet (4.6 m).
  - Shall include color coding marking on top of nozzle for easy identification of spray radius.
- Dual orifice fixed arc nozzle for small turf areas (5-15 feet (1.7-4.6 m), maximum 30 psi (2.1 bar) specifications include but are not limited to:
  - Shall be constructed of ultra-violet resistant plastic.
  - Shall contain a stainless steel flow and radius adjustment screw allowing up to 25% radius reduction.
  - The nozzle shall have dual orifices for both in-close watering and standard pattern watering with a matched precipitation rate between sets and matched flow and with other matched precipitation rate fixed spray nozzles up to 15 feet (4.6 m).
  - Shall include color coding marking on top of nozzle for easy identification of spray radius.
- Multi stream rotating nozzle for small turf areas (8-24 feet (2.4-7.4m), maximum 55 psi (3.6 bar) specifications include but are not limited to:
  - Shall be constructed of ultra-violet resistant plastic.
  - Shall contain a stainless steel radius adjustment screw allowing reduction to 13 feet (4.0 m).
  - Shall have a matched precipitation rate of 0.60 in/hr (15.2 mm/hr).
  - Shall have a color coded radius reduction plug to allow for easy identification of fixed arc pattern.

#### ROTOR HEADS

- Pop-up rotor sprinkler for medium turf areas (25-47 feet (7.6-14.3 m), maximum 75 psi (5.2 bar) specifications include but are not limited to:
  - Shall have adjustable arc rotation of 40 to 360 degrees (0.7 to 6.3 rad) and reversing full circle rotation.
  - Shall have a flow shut-off device that is integrated into the flow path of the sprinkler.
  - Shall have a pressure-activated, multi-function wiper seal that protects internals from debris and assures positive pop-up and retraction.
  - Shall contain additional o-rings and seals for extra protection in "gritty" water.
  - Operating precipitation rate of 0.20 to 1.01 inches per hour (5 to 26 mm/h).
  - Operating flow rate of 0.73 to 8.31 gpm (0.17 to 1.85 m3/h).
  - The body, stem, nozzle, and screen shall be constructed of heavy-duty and ultra-violet resistant plastic.
  - Shall include a 45 psi (3.1 bar) pressure regulating device to prevent high pressure misting to the nozzle stream.
  - Shall include an internal check valve to prevent low head drainage of up to 7 feet (2.1 m) to prevent puddling, run-off and erosion.
  - Shall include a set of twelve interchangeable nozzles, 8 nozzles with 25 degree (0.4 rad) trajectory and 4 low-angle nozzles with 10 degree (0.2 rad) trajectory.

#### FLEXIBLE SWING PIPE

- Swing pipe specifications include but are not limited to:
  - Swing pipe shall be flexible black tubing constructed of linear low density polyethylene material with a wall thickness of 0.098" (0.3 cm) with a nominal inside diameter of 0.49" (1.2 cm).
  - Pipe shall be capable of a flow up to 8 gpm (0.5 l/s).

#### DRIPLINE

- Distribution tubing specifications include but are not limited to:
  - The blank tubing shall be manufactured from flexible polyethylene material with a wall thickness of 0.049" (1.2 mm), outside diameter of 0.634" (16.1 mm), and inside diameter of 0.536" (13.6 mm).
  - The tubing shall be dual-layered (brown over black).

#### INLINE EMITTER DRIPLINE

- Sub-surface inline emitter tubing specifications include but are not limited to:
  - The tubing shall be manufactured from flexible polyethylene material with wall thickness of 0.049" (1.2 mm), outside diameter of 0.634" (16 mm), and inside diameter of 0.536" (13.6 mm).
  - The tubing shall have factory installed pressure-compensating, inline emitters with a copper shield device installed every 12, 18, or 24 inches (30.5, 45.7, 61 cm) as indicated on construction drawings.
  - Operating pressure range of 8.5 to 60 psi (0.6 to 4.1 bar).
  - Operating emitter flow rates of 0.6 and 0.9 gph (2.3 l/hr and 3.5 l/hr).

#### DISTRIBUTION TUBING

- 1/4" distribution tubing for emitters and other devices specifications include but are not limited to:
  - The blank tubing shall be extruded from ultra-violet resistant polyethylene resin materials with a wall thickness of 0.04" (1 mm), outside diameter of 0.250" (6.3 mm), and inside diameter of 0.170" (4.3 mm).
  - Operating pressure range from 0 to 60 psi (0 to 4.1 bar).

#### EMITTERS

- Point source emission device specifications include but are not limited to:
  - The emitter shall be constructed of ultra-violet resistant acetyl materials.
  - Shall have a pressure-compensating design to deliver a uniform flow throughout a pressure range of 15 to 50 psi (1.0 to 3.4 bar).
  - Flow rates that range from 0.5 to 2 gph (1.89 to 7.57 l/h) at a pressure range of 15 to 50 psi (1.0 to 3.4 bar).

#### VALVE BOX

- Valve boxes specifications include but are not limited to:
  - Shall be made of structural foam HPDE resin that is resistant to ultra-violet light, weather, moisture and chemical action of soils.
  - Lids shall be clearly marked with the words "IRRIGATION CONTROL VALVE" molded onto the top.
  - Lid colors are available in black, green and purple designating non-potable water use.

### PART 3 - EXECUTION

#### EXCAVATION

- Stake pipe and equipment layout for Owner's review and approval. Review does not relieve installer from coverage problems due to improper placement after staking.
- Excavate trenches for irrigation system pipe to provide minimum cover per plans and details.
- Barricade trenches that are left open overnight.

#### INSTALLATION

- General: Plans are diagrammatic. Proceed with installation in accordance with the following:
  - Install stop and waste valves, backflow preventers, and other equipment required by local authorities according to laws and regulations in order to make system complete.
    - Coordinate with the General Contractor the responsible for installing the backflow preventer and other irrigation items at the connection point.
    - Coordinate with the General Contractor the for exact location of the irrigation connection point.
  - Thoroughly flush main lines before installing automatic control valves, and laterals before installing sprinklers. Flush supply lines thoroughly before installing backflow preventers or other regulating devices.
- Piping: Assemble all mainline and lateral lines in accordance with manufacturer's recommendations with no cul-de-sacs. Assure positive drainage.
- Sleeves: General Contractor shall install sleeves before concrete/paving work.
  - Sleeves should be a minimum two times the diameter of the pipe passing through them.
  - General Contractor shall stub-up and flag sleeve locations for the Irrigation Contractors ease of locating.
  - Sleeve locations shall be approximate to that shown on the Irrigation Plan.
- Control Valves:
  - Install one valve per valve box and provide 12 inches of expansion loop slack wire at all connections inside valve box.
- Manual Drains:
  - Install per manufacturer's recommendations on upstream and downstream side of backflow preventers and at lowest point along main pressure pipe.
- Quick-Coupling Valves:
  - Install using 1 inch PVC nipples and schedule 40 ells as detailed. Location as indicated on plans.
- Backflow Preventer:
  - Install assembly complete for irrigation system with 2 drain valves and 2 shut off valves per detail, local laws and regulations, and per manufacturer's specifications.
  - Install assemblies with drain valves in below grade installations. Provide open box floor with gravel drain sump.
- Valve Boxes
  - Install over all remote control valves, manual control valves, zone shutoff valves, gate valves, or globe valves. Size to provide adequate room for maintenance.
  - Install boxes on level subgrade with proper drainage so that top of boxes are flush with finish grade material (sod, mulch, rock, etc.). Place parallel or perpendicular to adjacent curbs, sidewalks, or driveways.
  - Place washed gravel aggregate in sump as shown on details.
- Automatic Controller
  - Properly ground controller per local laws and regulations. Make all control wire connections to automatic controller. Coordinate controller installation with other electrical work.
  - Connect remote control valves to controller in numerical sequence as shown on Plans.
- Wire and Electrical Work
  - Use electrical control and ground wire suitable for sprinkler control cable.
  - Provide 120-volt power connection (by others) to automatic controller to conform to local codes, ordinances and authorities having jurisdiction.
  - Low Voltage Wiring:
    - Bury control wiring between controller and electric valves in pressure supply line trenches, strung as close as possible to main pipe lines with such wires to be consistently located below and to one side of the pipe, or in separate trenches.
    - Bundle all 24-volt wires at 10-foot intervals and lay with pressure supply line pipe to one side of trench.
    - Install control wire for each control valve.
    - Run 2 spare #14-1 wires from controller pedestal or electric control valve on each and every leg of mainline.
- Sprinkler Heads, Emitters, Rotators, and Rotors
  - Flush circuit piping with full head of water and install sprinklers after hydrostatic test is completed.
  - Adjust nozzles to allow for adequate coverage and to minimize overspray onto walks, roads, driveways, and buildings.
  - Stake emitter tubing with 1/4" Rainbird® TS-025 tubing stakes.
  - Adjust heads to be plumb and flush with finish grades, even with top of soil level or top of material level after completion of grading, seeding, sodding, and rolling of grass.
- Drip Tubing
  - Install all drip tubing in locations shown on the Irrigation Plan. To be laid out and installed per the irrigation drip details (sheet L-2.1).
  - Install flush caps as indicated on details.
  - Install drip indicator on all drip zones.
- Thrust Blocks and/or Joint Restraints
  - Install on pipe sized 2" or larger wherever the main pipe line:
    - Changes any direction at tees, angles, and crosses vertical and horizontal.
    - Changes at reducers.
    - Stops at a dead-end.
    - Valves at which thrust develops when closed.

#### BACKFILLING

- Do not begin backfilling operations until system tests and approvals have been completed.
- Bed all pipe a minimum of 2 inches. Backfill to 6 inches above pipe with soil free of rocks over 1-inch diameter, debris, or organic matter. Backfill remainder of trench with soil of like quality to adjacent areas. Haul away all material not suitable for backfill.
- Compact backfill in 6-inch lifts thoroughly to prevent settling damage to grades or plant material. Leave trenches slightly mounded to allow for settlement after backfilling is completed. Low areas and damage caused by settling will be repaired by Contractor at no additional cost to the Project or Owner.
- Prevent soil, rocks, or debris from entering pipes or sleeves.

#### FLUSHING AND TESTING

- Flushing: After piping, risers, and valves are in place and connected, but prior to installation of sprinkler heads, thoroughly flush piping system under full head of water pressure from dead end fittings. Maintain flushing for 5 minutes through furthest valves. Cap risers after flushing.

#### INSPECTION

- Arrange for Owner's presence 48 hours in advance of inspection walk-through.
- Examine areas and conditions under which work of this section is to be performed and ensure a complete and operating installation prior to scheduling a walk-through.
- Operate each zone in its entirety for Owner at time of walk-through and open all valve boxes as directed.
- Expose all drip emitters under operations for observation by Owner to demonstrate they are performing and installed as designed prior to placing of mulch material. Schedule separate walk-through as necessary.
- As necessary Owner will generate a list of items to be corrected prior to Final Acceptance.

#### RESTORATION AND CLEANING

- Flush dirt and debris from piping before installing sprinklers and other devices.
- Adjust automatic control valves to provide flow rate of rated operating pressure required for each sprinkler circuit.
- Restore all damaged areas to original condition unless otherwise shown on plans at no additional cost to the Project or Owner.



**Chick-fil-A**  
Chick-fil-A  
5200 Buffington Road  
Atlanta, Georgia 30349-2998



770.442.8171 tel  
770.442.1123 fax

Manley Land Design, Inc.  
51 Old Canton Street  
Alpharetta, Georgia 30009

manleylanddesign.com

**CHICK-FIL-A**

**Coconut Creek**

**4670 N. State Road 7  
Coconut Creek, FL 33073**

**FSU# 3841**

#### REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	4/30/18	City Comments
2	7/27/18	City Comments
4	8/10/18	City Comments/Site Change
5	10/3/18	City Comments/Site Change
7	5/1/19	Revised Site Plan

M/LD PROJECT # 2017161

PRINTED FOR Permit

DATE 11.21.17

DRAWN BY SLG

Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.

SHEET

**Permit Irrigation Specifications**

SHEET NUMBER

**L-202**



**Chick-fil-A**  
 5200 Buffington Road  
 Atlanta, Georgia  
 30349-2998



**Kurzynske  
 & Associates**  
 2900 Lebanon Pike, Ste 201  
 Nashville, Tennessee 37214  
 Telephone: (615) 255-5203  
 Fax: (615) 255-5207  
 Email: mail@kurzynske.com

05/01/2019

**CHICK-FIL-A**  
**COCONUT CREEK FSU**  
 4670 N. STATE ROAD 7  
 COCONUT CREEK, FL 33073

**FSR# 03841**

REVISION SCHEDULE NO.	DATE	DESCRIPTION
5	01/29/19	REVISED SITE PERMIT SUBMITTAL
6	05/01/19	REVISED SITE PERMIT SUBMITTAL

CURRENT DESIGN	2018-xxx
DISCIPLINE'S PROJECT NUMBER	17173.CC.S
PRINTED DATE	PERMIT
DATE	07/27/2018
DRAWN BY	BTS

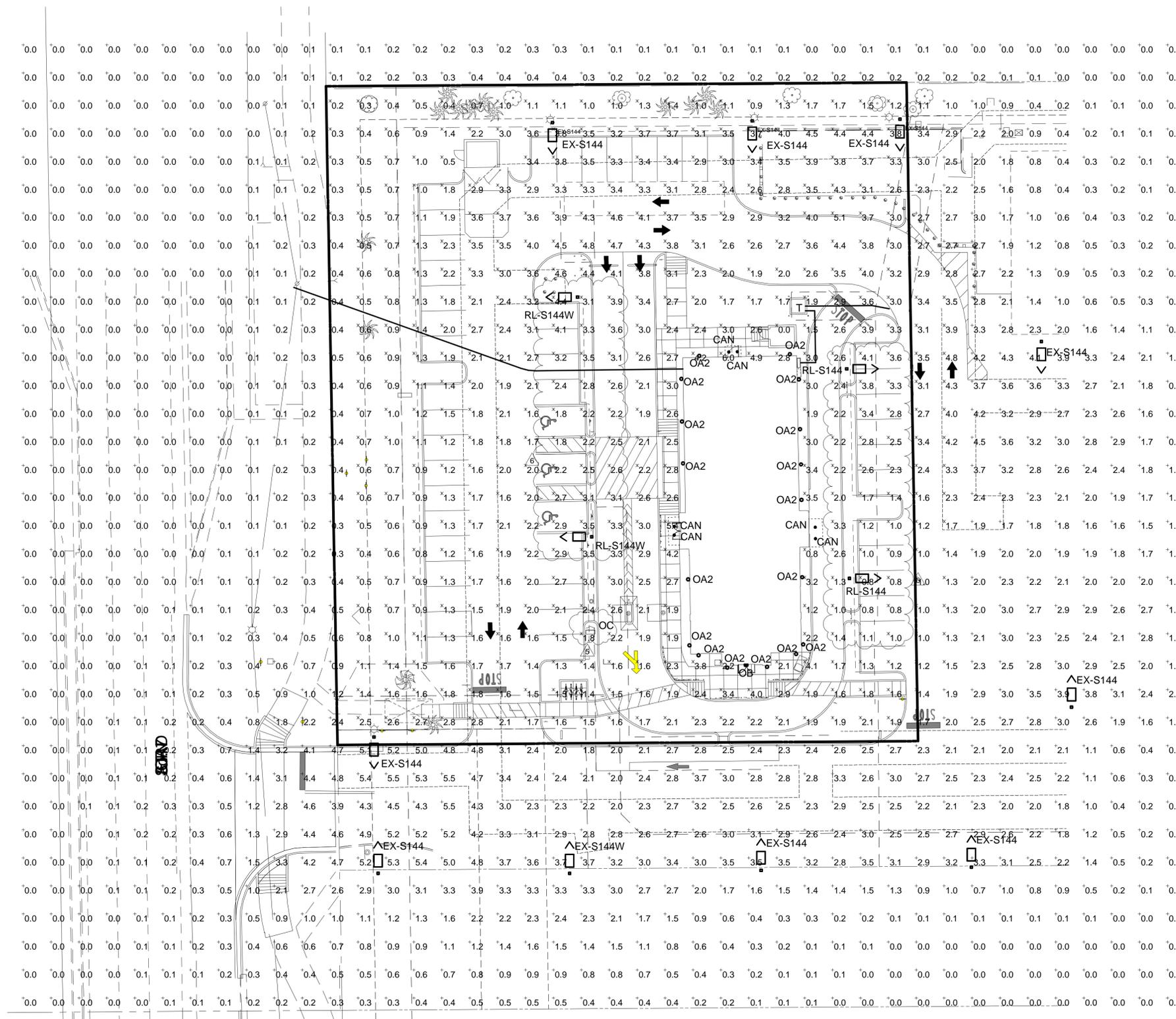
Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.

SHEET PHOTOMETRIC SITE PLAN

SHEET NUMBER

**PH-1.0**

NOTE: PHOTOMETRICS ARE BASED OFF EXISTNG CONDITIONS USING THE MOST ACCURATE INFORMATION AVAILABLE.

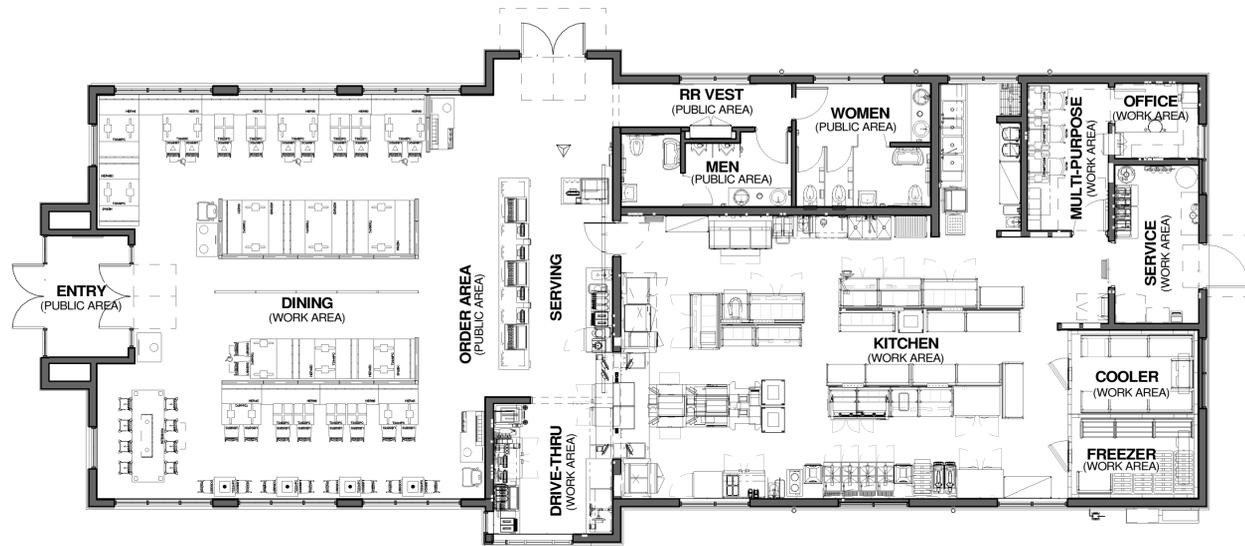


**A1** PHOTOMETRIC SITE PLAN  
 N.T.S.

PERMIT







**1 FLOOR PLAN**  
1/8" = 1'-0"



**2 ELEVATION - SOUTH (WILES RD FRONTAGE)**  
1/8" = 1'-0"

**SHEET GENERAL NOTES**

1. ROOF DRAINS AT LOW-SLOPE ROOF ARE INTERNAL.

**SHEET SPECIFIC KEY NOTES**

1. ROOF GUTTER WITH PROFILE TO APPEAR LIKE TRIM.
2. POSITION DOWNSPOUTS AS SHOWN AT BACK OF TOWERS & PAINT TO MATCH STUCCO TO MINIMIZE VISIBILITY, TYP.
3. OPAQUE GLASS.
4. RED LINE INDICATES TOP OF ROOFTOP AIR HANDLING UNITS (NOT VISIBLE FROM PEDESTRIAN VANTAGE POINT).
5. DASHED LINE INDICATES STORAGE BUILDING IN FRONT OF MAIN BUILDING.
6. STORAGE BUILDING - SEE STORAGE BUILDING 3-D VIEW.
7. TRANSLUCENT GLASS.

**HIGH ALBEDO ROOF CALCULATION**

ALL ITEMS BELOW ARE PER USGBC LEED REQUIREMENTS FOR HIGH-ALBEDO ROOF

LOW-SLOPED ROOF MINIMUM SRI: 78  
LOW-SLOPED ROOF ACTUAL SRI: 84

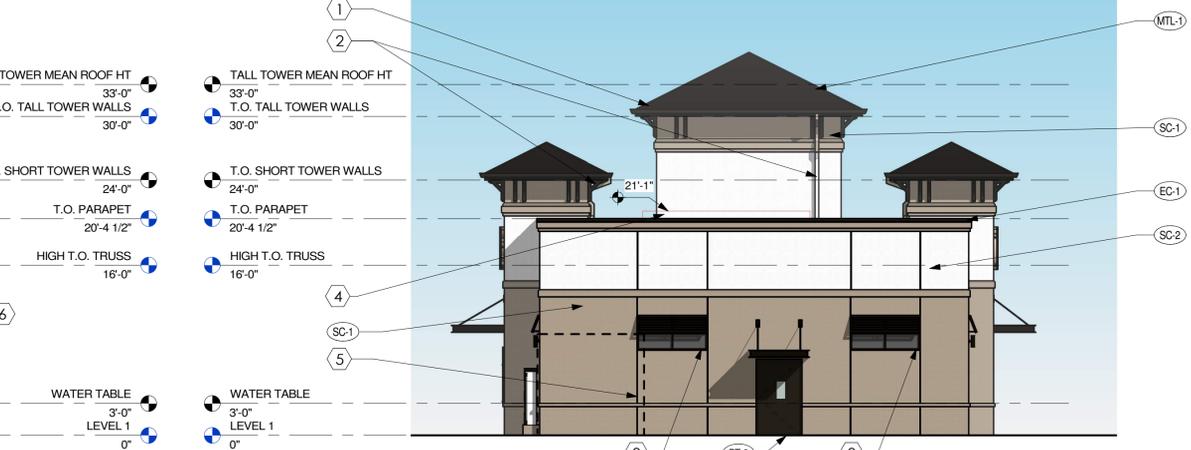
STEEP-SLOPED ROOF MINIMUM SRI: 29  
STEEP-SLOPED ROOF ACTUAL SRI: 24

USE WEIGHTED ROOFTOP SRI CALCULATION...

AREA ROOFING MEETING MINIMUM SRI	X	SRI OF INSTALLED ROOF	>	75%
TOTAL ROOF AREA		REQUIRED SRI		
3509 SF	X	84	=	82%, SO ENTIRE ROOF MEETS DEFINITION OF HIGH ALBEDO ROOF
4601 SF		78		

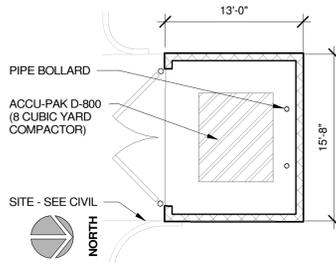


**3 ELEVATION - EAST**  
1/8" = 1'-0"



**4 ELEVATION - NORTH**  
1/8" = 1'-0"

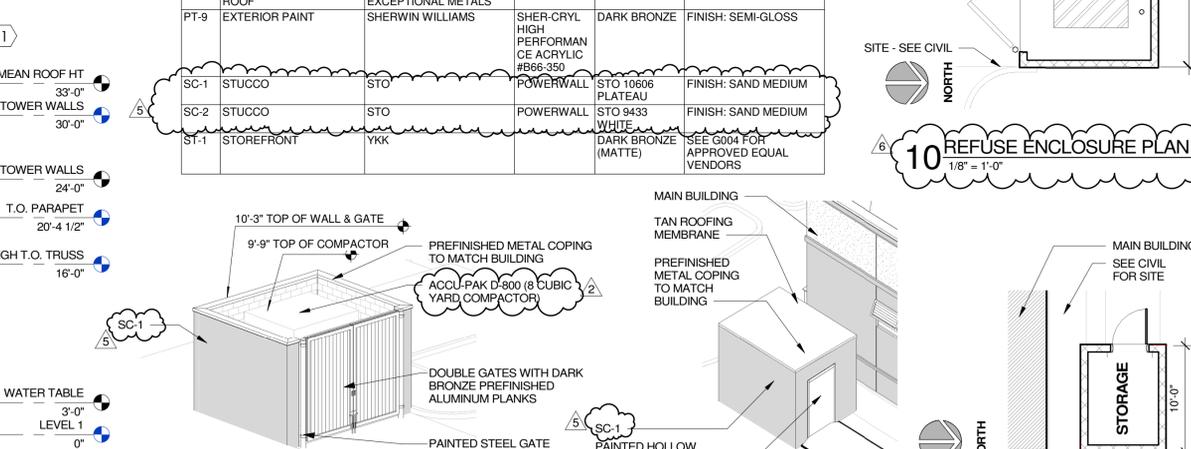
FINISH SCHEDULE - EXTERIOR					
MARK	DESCRIPTION	MANUFACTURER	MODEL NAME	COLOR	NOTE
<b>EXTERIOR</b>					
EC-1	PARAPET WALL COPING	DUROLAST / EXCEPTIONAL METALS		DARK BRONZE (MATTE)	
MTL-1	STANDING SEAM METAL ROOF	DUROLAST / EXCEPTIONAL METALS		DARK BRONZE	
PT-9	EXTERIOR PAINT	SHERWIN WILLIAMS	SHER-CRYL HIGH PERFORMAN CE ACRYLIC #666-350	DARK BRONZE	FINISH: SEMI-GLOSS
SC-1	STUCCO	STO	POWERWALL	STO 10606 PLATEAU	FINISH: SAND MEDIUM
SC-2	STUCCO	STO	POWERWALL	STO 9433 WHITE	FINISH: SAND MEDIUM
ST-1	STOREFRONT	YKK		DARK BRONZE (MATTE)	SEE G004 FOR APPROVED EQUAL VENDORS



**10 REFUSE ENCLOSURE PLAN**  
1/8" = 1'-0"



**5 ELEVATION - WEST (441 FRONTAGE)**  
1/8" = 1'-0"



**8 REFUSE ENCLOSURE - 3D**

**9 STORAGE BUILDING - 3D**

**7 STORAGE BUILDING PLAN**  
1/8" = 1'-0"



MARK	DATE	REVISION
4	07/27/2018	REVISED PERMIT SUBMITTAL
5	01/29/2019	REVISED PERMIT SUBMITTAL
6	05/01/2019	REVISED PERMIT SUBMITTAL

Seal

REFER TO DIGITAL SIGNATURE AFFIDAVIT



**COHEN CARNAGGIO REYNOLDS**  
ARCHITECTURE INTERIORS DESIGN  
2820 FIRST AVENUE SOUTH  
BIRMINGHAM, ALABAMA 35233  
CCRAARCHITECTS.NET  
205-324-8864 P  
205-324-8496 F

**STORE:**  
**COCONUT CREEK FSU**  
P12 LS MEDIUM  
CUSTOM  
FSU# 3841

COCONUT CREEK, FL

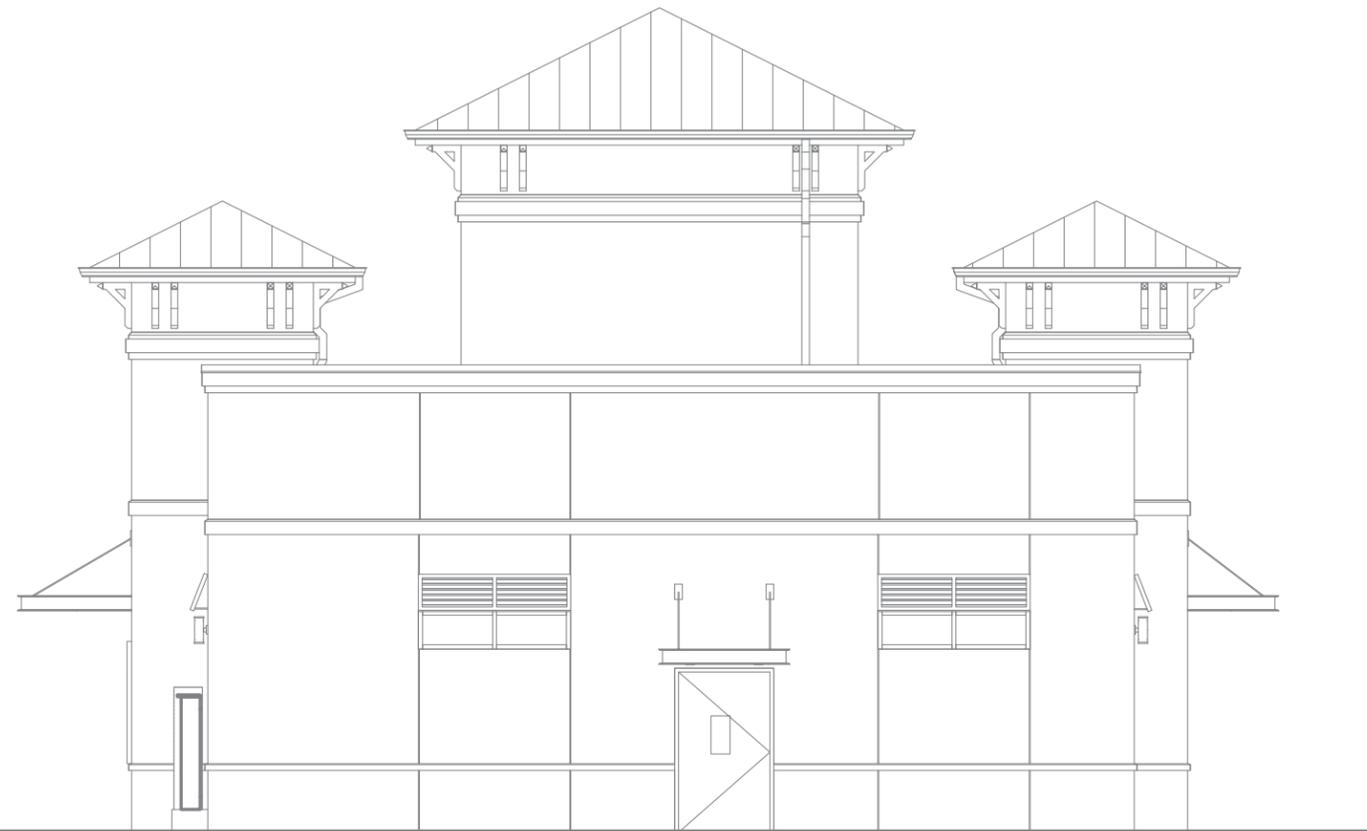
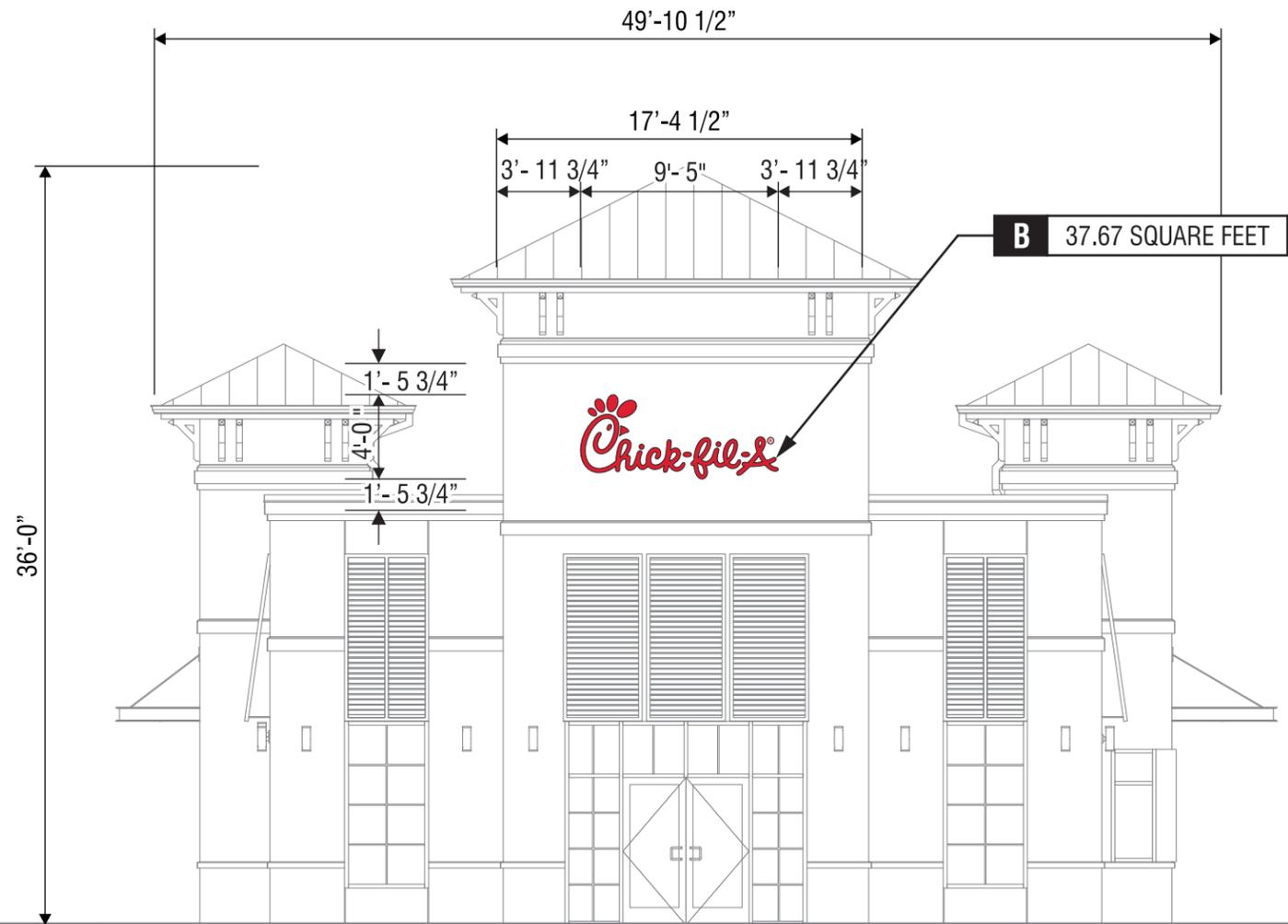
**SHEET TITLE**  
**FLOOR PLAN, ELEVATIONS AND OUT BUILDINGS**

VERSION: **P12 V2 18.03**

Job No: **03841**  
Store: **3841**  
Date: **01/29/19**  
Drawn By: **JJB**  
Checked: **TSB**

Sheet

**A-1.0**



**ELEVATION**

SCALE - 1/8" = 1'- 0"

**ELEVATION**

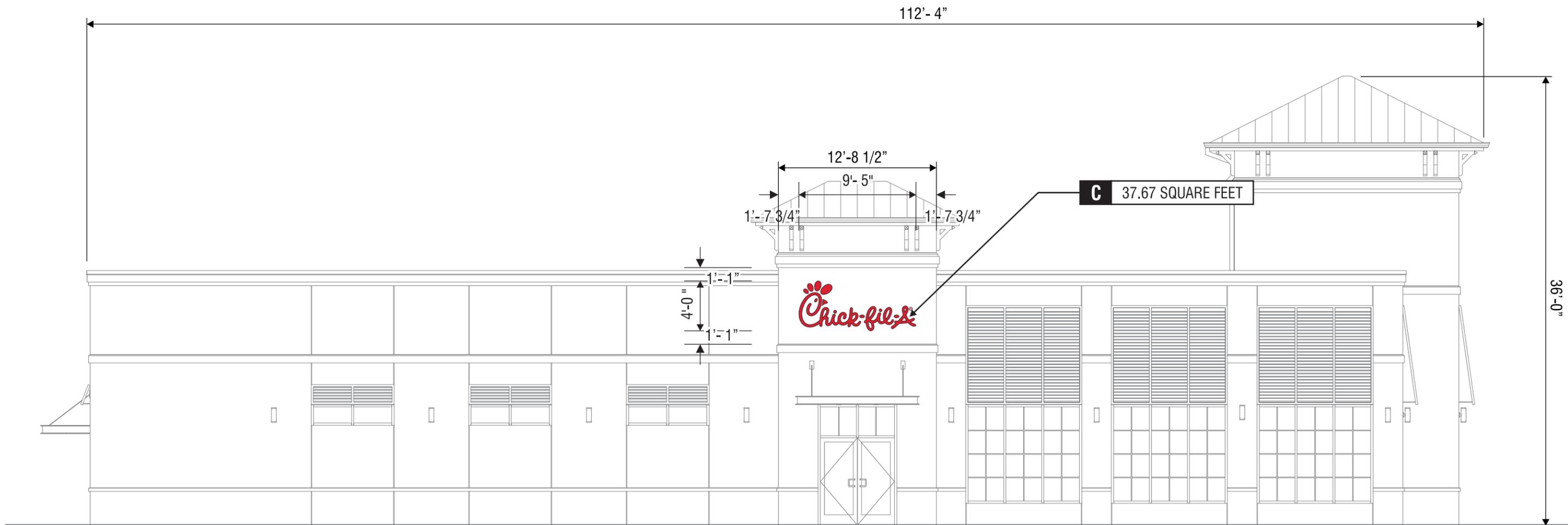
SCALE - 1/8" = 1'- 0"

SCALE - 1/8" = 1'- 0"



5198 North Lake Drive  
 Lake City, GA 30260  
 404.361.3800  
 www.claytonsigns.com

<b>BUILDING</b> <b>S08C</b>	BUILDING ELEVATIONS	ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED	DRAWN BY	Ben Holliday	STORE NUMBER	STORE ADDRESS	THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC.. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN A COURT OF LAW. © 2015 ALL RIGHTS RESERVED	<b>BUILDING ELEVATIONS</b>
	DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR		ACCOUNT REP.	Ben Holliday	<b>L03841</b>	Chick-fil-A at Coconut Creek, FL		
	DRAWING DATE	December 23, 2015	North State Road 7					
	REVISION DATE	January 25, 2019	Coconut Creek, FL 33073					



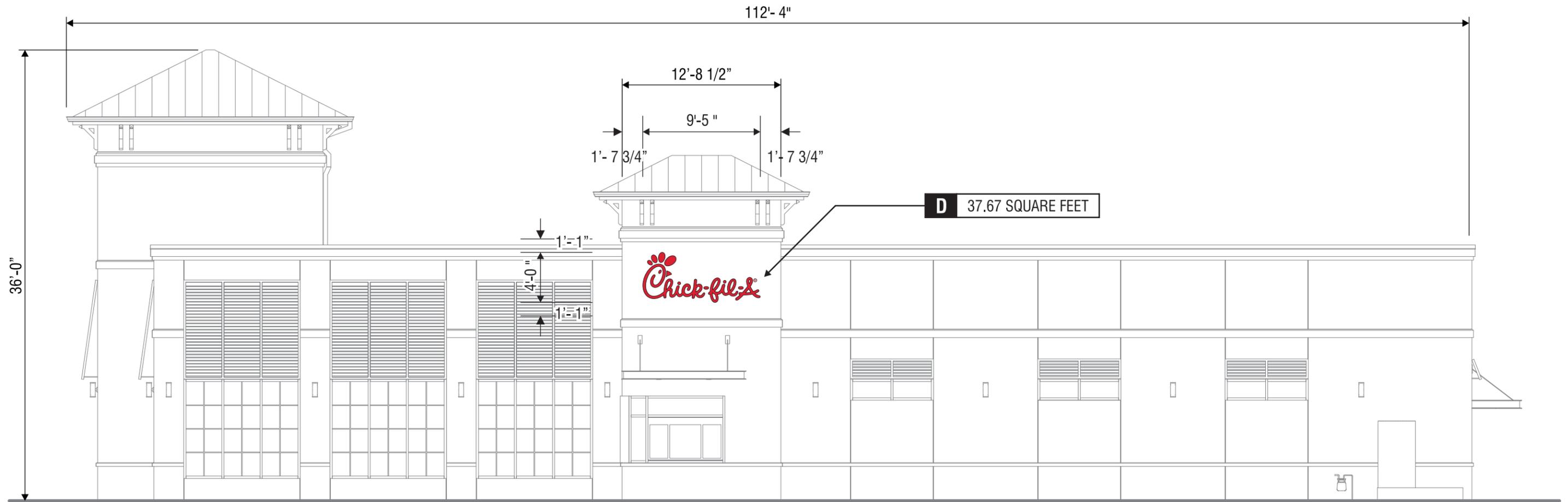
**ELEVATION**

SCALE - 1/8" = 1'- 0"



5198 North Lake Drive  
 Lake City, GA 30260  
 404.361.3800  
 www.claytonsigns.com

<b>BUILDING</b> <b>S08C</b>	BUILDING ELEVATIONS	ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED	DRAWN BY Ben Holliday	STORE NUMBER	STORE ADDRESS	THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC.. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN A COURT OF LAW. © 2015 ALL RIGHTS RESERVED	<b>BUILDING</b> <b>ELEVATIONS</b>
	DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR		ACCOUNT REP. Ben Holliday	<b>L03841</b>	Chick-fil-A at Coconut Creek, FL North State Road 7 Coconut Creek, FL 33073		
			DRAWING DATE December 23, 2015				
			REVISION DATE January 25, 2019				



**ELEVATION**

SCALE - 1/8" = 1'-0"



5198 North Lake Drive  
 Lake City, GA 30260  
 404.361.3800  
 www.claytonsigns.com

<b>BUILDING</b> <b>S08C</b>	BUILDING ELEVATIONS	ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED	DRAWN BY Ben Holliday	STORE NUMBER	STORE ADDRESS	THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC.. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN A COURT OF LAW. © 2015 ALL RIGHTS RESERVED	<b>BUILDING</b> <b>ELEVATIONS</b>
	DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR		ACCOUNT REP. Ben Holliday	<b>L03841</b>	Chick-fil-A at Coconut Creek, FL North State Road 7 Coconut Creek, FL 33073		
			DRAWING DATE December 23, 2015				
			REVISION DATE January 24, 2019				

# SPECIFICATIONS

## CABINET

ALUMINUM CABINET HAS EXTRUDED ALUMINUM FRAME .

## CHICK-FIL-A ICON

ACRYLIC FACES DECORATED WITH TRANSLUCENT VINYL FILM ON SURFACE OF ACRYLIC. FACES ARE BACKLIT BY HIGH OUTPUT FLUORESCENT LAMPS SPACED EVENLY ON 8" CENTERS.

 ARLON 230-53 CARDINAL RED

 ARLON CAST FLEX 10 FLEX MATERIAL  
WHITE LEXAN

 PAINTED DARK BRONZE

 PAINTED TO MATCH  
BUILDING (STUCCO FINISH)

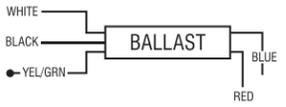
SIGN STRUCTURE AREA (6'-0" x 5'-0") = 30.00 SQUARE FEET

ALLOWABLE SIGN AREA - 30.00 SQUARE FEET x 60% = 18.00 SQUARE FEET

SIGN AREA (3'-4" x 3'-4") = 11.09 SQUARE FEET



SEE ENGINEER STAMPED DRAWING FOR FOUNDATION DETAILS

FLUORESCENT CABINET		WET LOCATION	
 	LIGHTING T8/HO/LAMPS POWER SUPPLY EESB ELECTRONIC BALLAST	CONNECT THE AC LINE TO THE BLACK (LINE) AND WHITE (NEUTRAL) INPUT WIRES OF THE POWER SUPPLY USING 18-14 AWG TWIST ON WIRE CONNECTORS. GROUND POWER SUPPLY GREEN WIRE TO GROUNDING SCREW.	
	THIS SIGN IS INTENDED TO BE INSTALLED IN ACCORDANCE WITH REQUIREMENTS OF ARTICLE 600 OF THE NATIONAL ELECTRICAL CODE AND/OR APPLICABLE LOCAL CODES. THIS INCLUDES PROPER GROUNDING & BONDING OF THE SIGN.		

 5198 North Lake Drive  
Lake City, GA 30260  
404.361.3800  
www.claytonsigns.com

<b>SIGN TYPE</b> <b>2</b>	DOUBLE-FACED INTERNALLY-ILLUMINATED OUTPARCEL SIGN	<b>ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED</b>	DRAWN BY Ben Holliday ACCOUNT REP. Ben Holliday DRAWING DATE December 23, 2015 REVISION DATE January 24, 2019	STORE NUMBER <b>L03841</b>	STORE ADDRESS Chick-fil-A at Coconut Creek, FL North State Road 7 Coconut Creek, FL 33073	THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC.. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN A COURT OF LAW. © 2015 ALL RIGHTS RESERVED	<b>LOCATION</b> <b>A</b>
	DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR						

# SPECIFICATIONS

**CHICK-FIL-A SCRIPT LETTERS**  
 LETTERS ARE LED-ILLUMINATED  
 CHANNEL LETTERS MOUNTED  
 ON ALUMINUM SURFACE OF BUILDING  
 WITH TRANSFORMERS REMOTELY  
 LOCATED BEHIND THE WALL IN  
 UL APPROVED TRANSFORMER BOXES.  
 FACES ARE 3/16" ACRYLIC  
 RETURNS ARE .063 ALUMINUM  
 BACKS ARE .080 ALUMINUM  
 ALL RETURNS ARE ARC-WELDED TO  
 LETTER BACKS



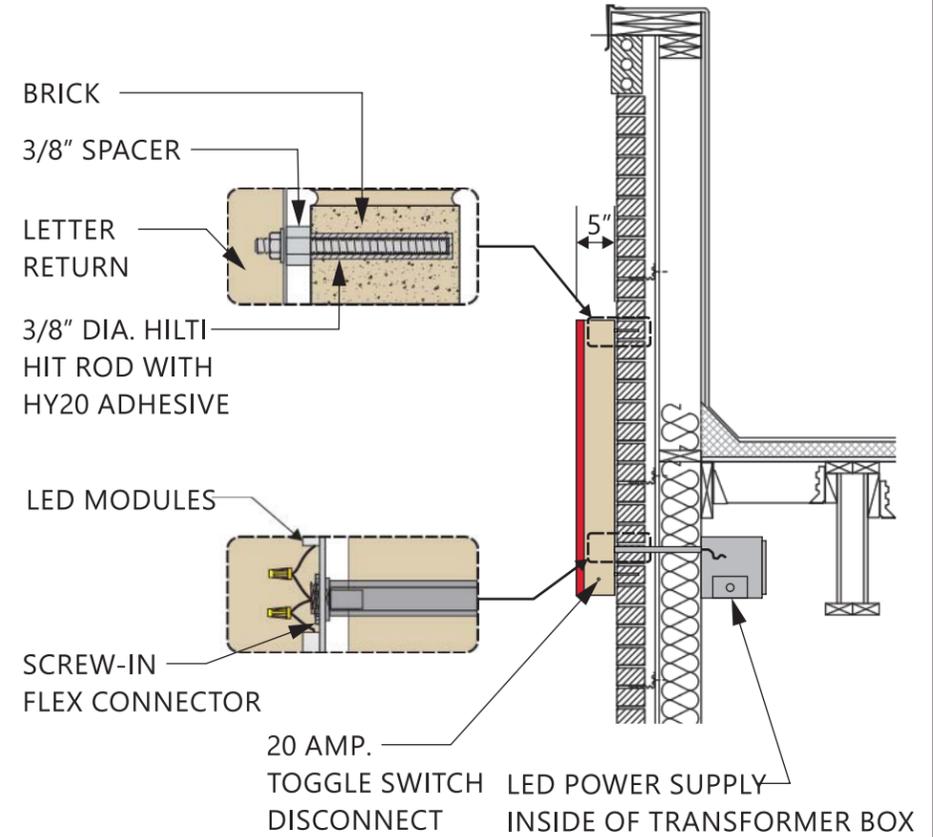
**CHANNEL LETTER FACES**  
 2793 RED ACRYLIC  
 TRIMCAP RETAINER-  
 1" RED JEWELITE TRIMCAP



ALUMINUM RETURNS  
 PAINTED TO MATCH  
 SHERWIN WILLIAMS  
 SW6108 LATTE



**ELEVATION**  
 SCALE - 1/2" = 1'- 0"



**CROSS-SECTION**  
 SCALE - 1/2" = 1'- 0"

 	<b>CHANNEL LETTERS (RED ILLUMINATION)</b>		<b>WET LOCATION</b>
	LED's JTLS016R-0.4 RED LED  POWER SUPPLY BL-120-12-60 POWER SUPPLY		CONNECT THE AC LINE TO THE BLACK (LINE) AND WHITE (NEUTRAL) INPUT WIRES OF THE POWER SUPPLY USING 18-14 AWG TWIST ON WIRE CONNECTORS. GROUND POWER SUPPLY GREEN WIRE TO GROUNDING SCREW. REPLACE JUNCTION BOX COVER.
THIS SIGN IS INTENDED TO BE INSTALLED IN ACCORDANCE WITH REQUIREMENTS OF ARTICLE 600 OF THE NATIONAL ELECTRICAL CODE AND/OR APPLICABLE LOCAL CODES. THIS INCLUDES PROPER GROUNDING & BONDING OF THE SIGN.			

5198 North Lake Drive  
 Lake City, GA 30260  
 404.361.3800  
 www.claytonsigns.com

<b>SIGN TYPE</b> <b>3.5</b>	LED-ILLUMINATED CHANNEL LETTER WALL SIGN	ALL ELECTRICAL SIGNS ARE <b>120 VOLTS</b> UNLESS OTHERWISE INDICATED	DRAWN BY Ben Holliday	STORE NUMBER	STORE ADDRESS	THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC.. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN A COURT OF LAW. © 2015 ALL RIGHTS RESERVED	<b>LOCATION</b> <b>B-D</b>
	DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR		ACCOUNT REP. Ben Holliday	<b>L03841</b>	Chick-fil-A at Coconut Creek, FL North State Road 7 Coconut Creek, FL 33073		

# SPECIFICATIONS

## CANOPY TOP

METAL TOP (OPAQUE) WITH COLOR TO MATCH BUILDING COLOR.



DARK BRONZE

## STRUCTURE

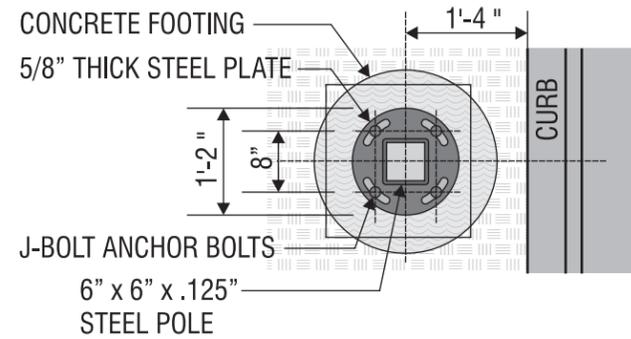
6" X 6" STEEL SUPPORT POLE INSTALLED INTO CONCRETE FOOTING WITH ANCHOR BOLTS. 3" ALUMINUM TUBING FRAME ON CANOPY TOP.



WHITE VINYL FILM

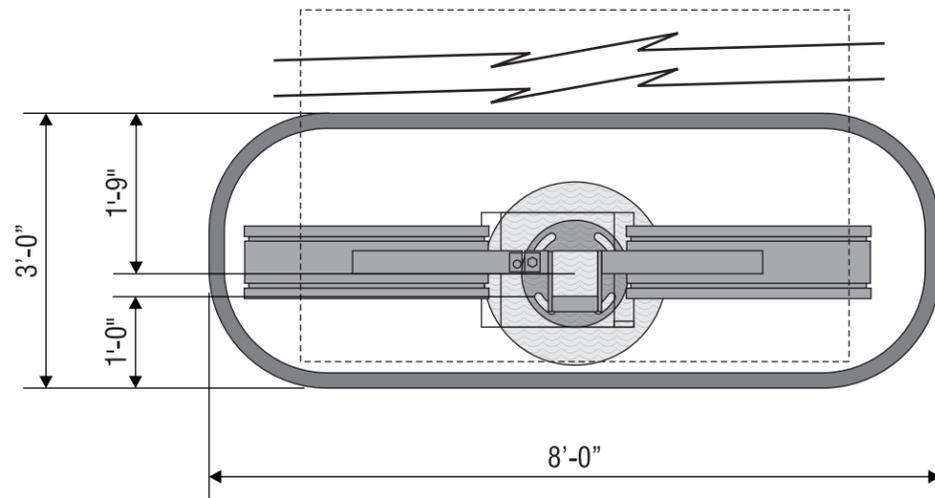
## MENU BOARDS

PIVOTING ALUMINUM CONSTRUCTION CABINETS INTERNALLY ILLUMINATED WITH OPENINGS TO FIT MENU GRAPHICS. BOARDS INTERNALLY ILLUMINATED BY BY LEDS.



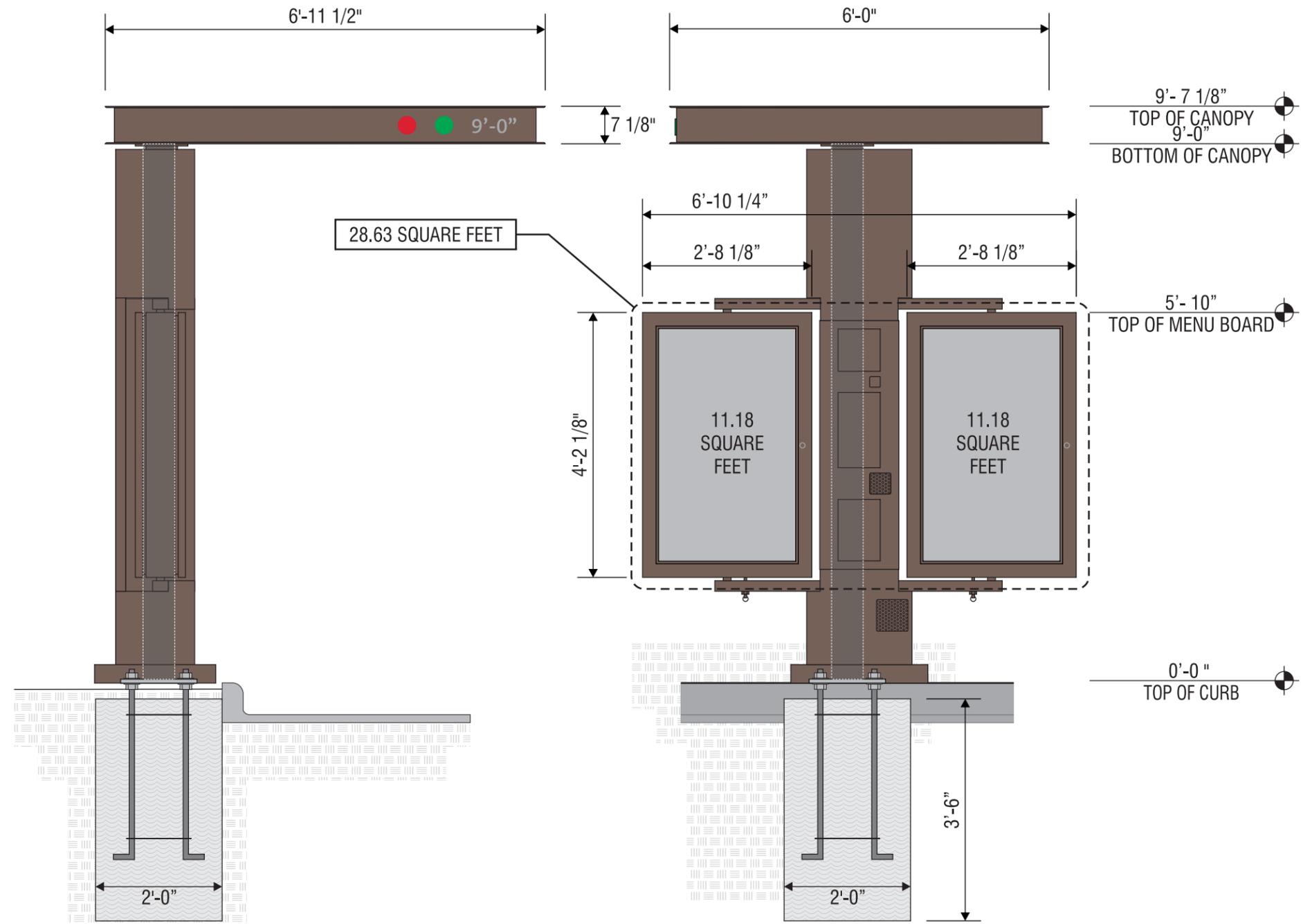
## BOLT DETAIL

SCALE - 1/2" = 1'-0"



## OUTER LANE ISLAND PLAN VIEW

SCALE - 1/2" = 1'-0"



## END VIEW

SCALE - 1/2" = 1'-0"

## ELEVATION

SCALE - 1/2" = 1'-0"



5198 North Lake Drive  
Lake City, GA 30260  
404.361.3800  
www.claytonsigns.com

MENU CANOPY/MENU BOARD

DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR

ALL ELECTRICAL  
SIGNS ARE  
120 VOLTS  
UNLESS  
OTHERWISE INDICATED

DRAWN BY	Ben Holliday
ACCOUNT REP.	Ben Holliday
DRAWING DATE	December 23, 2015
REVISION DATE	January 24, 2019

STORE NUMBER	L03841
--------------	--------

STORE ADDRESS	Chick-fil-A at Coconut Creek, FL North State Road 7 Coconut Creek, FL 33073
---------------	---

THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC.. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN A COURT OF LAW.

© 2015 ALL RIGHTS RESERVED

LOCATION  
**H1/H2**

# SPECIFICATIONS

## SIGN PANELS

PANELS ARE .080 ALUMINUM WITH REFLECTIVE BACKGROUND AND GRAPHICS.

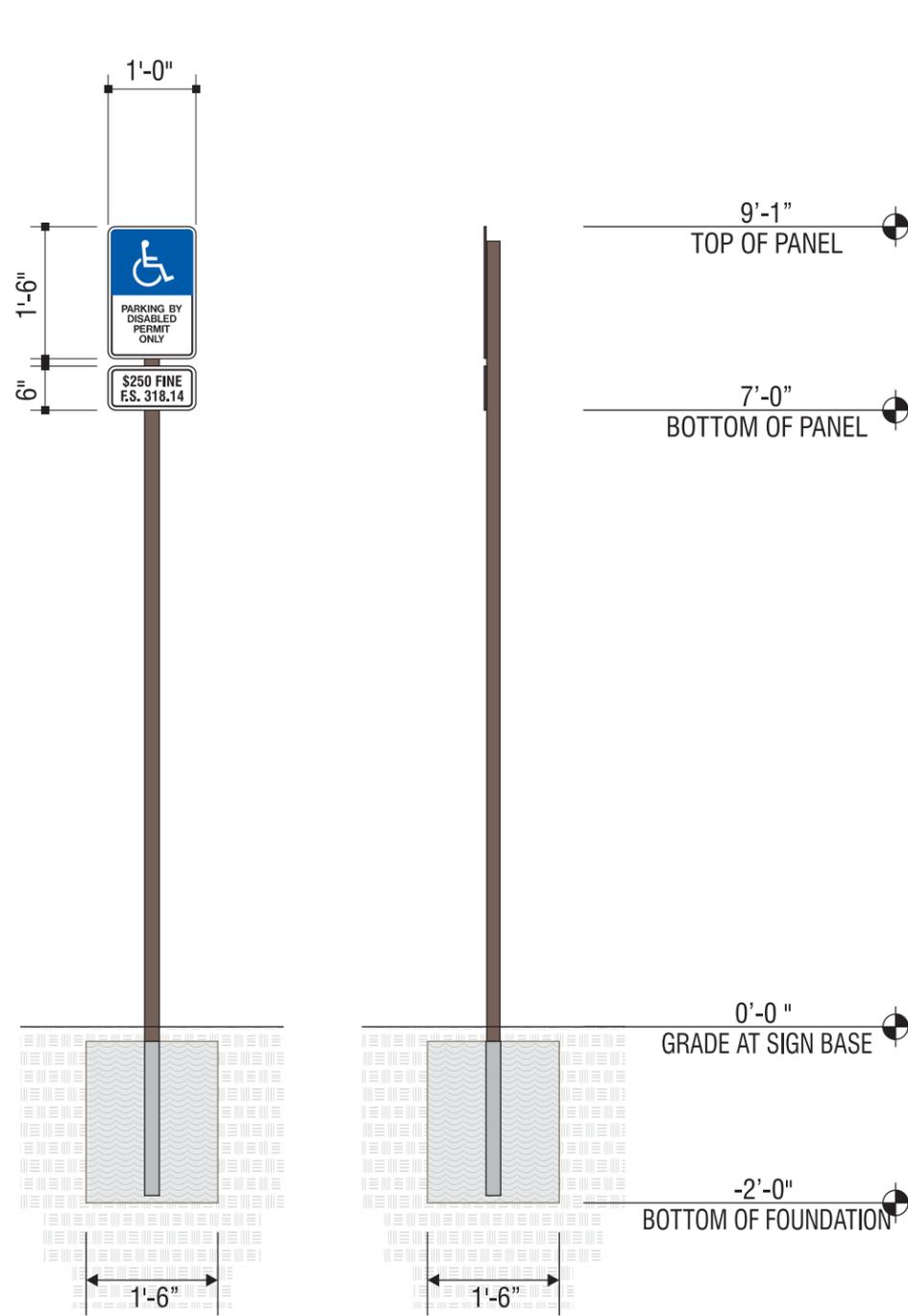
## SIGN POSTS

POSTS ARE 2" x 2" SQUARE ALUMINUM TUBING CAPPED ON TOP



BACK OF SIGN PANEL AND POST  
DARK BRONZE

NOTE: IF THIS SIGN IS LOCATED ON THE SIDEWALK THEN IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INSTALL A PVC SLEEVE INTO THE CONCRETE WHEN THE SIDEWALK IS POURED PRIOR TO INSTALLATION OF THE SIGN BY CLAYTON SIGNS.

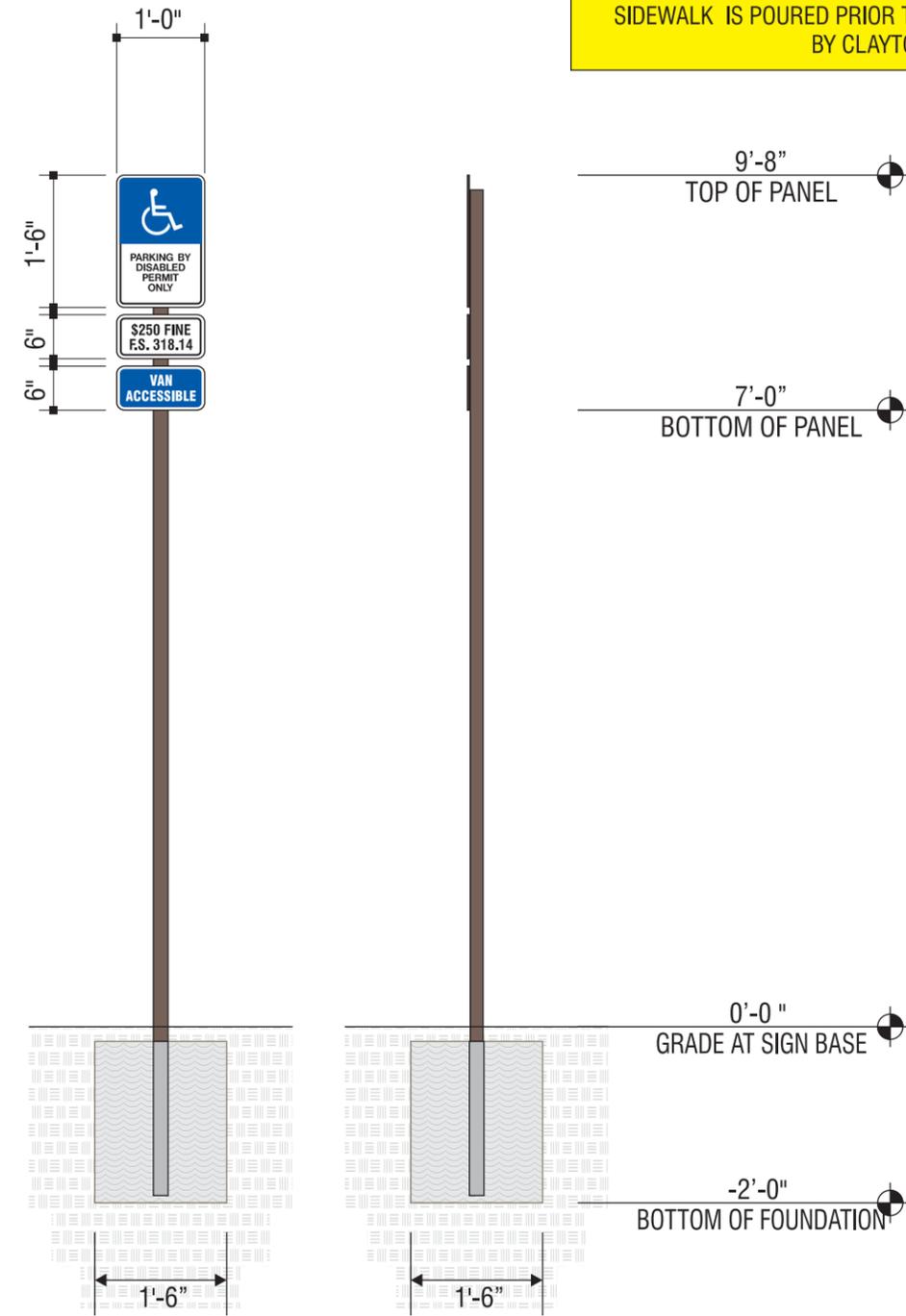


**ELEVATION**

SCALE - 1/2" = 1'-0"

**END VIEW**

SCALE - 1/2" = 1'-0"



**ELEVATION**

SCALE - 1/2" = 1'-0"

**END VIEW**

SCALE - 1/2" = 1'-0"



5198 North Lake Drive  
Lake City, GA 30260  
404.361.3800  
www.claytonsigns.com

<b>SIGN TYPE</b> <b>7</b>	DOT REGULATORY TRAFFIC SIGNS
	DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR

ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED	DRAWN BY Ben Holliday
	ACCOUNT REP. Ben Holliday
	DRAWING DATE December 23, 2015
	REVISION DATE January 24, 2019

STORE NUMBER	STORE ADDRESS
<b>L03841</b>	Chick-fil-A at Coconut Creek, FL North State Road 7 Coconut Creek, FL 33073

THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC.. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN A COURT OF LAW.  
© 2015 ALL RIGHTS RESERVED

**LOCATION**  
**K**

# SPECIFICATIONS

## SIGN PANELS

PANELS ARE .080 ALUMINUM WITH REFLECTIVE BACKGROUND AND GRAPHICS.

## SIGN POSTS

POSTS ARE 2" x 2" SQUARE ALUMINUM TUBING CAPPED ON TOP



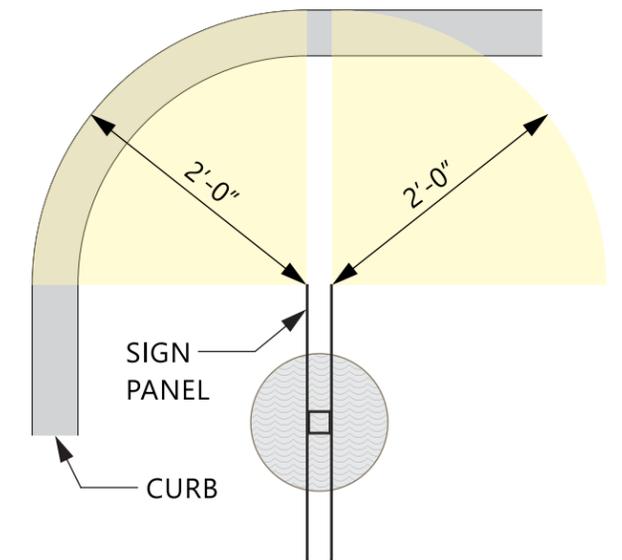
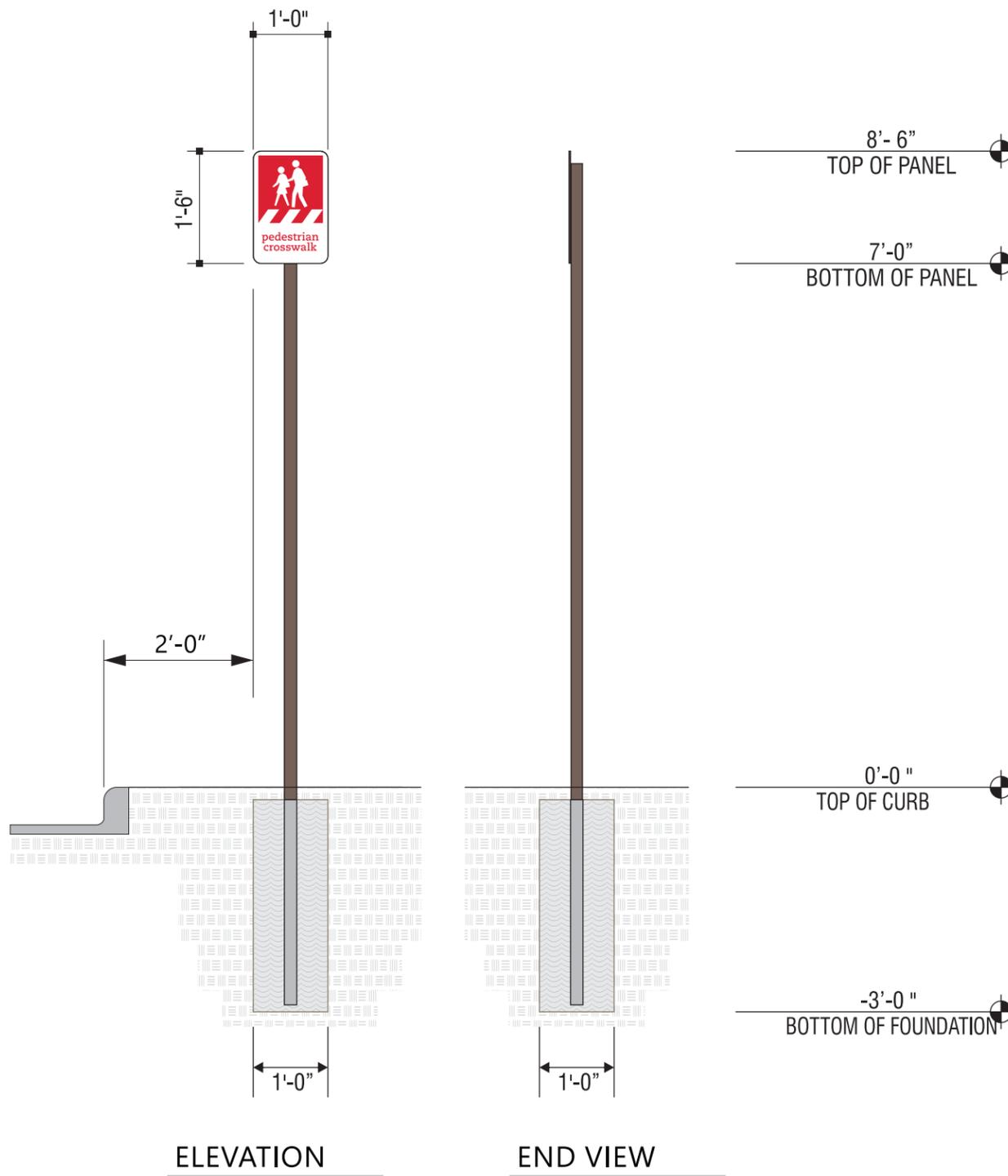
SIGN PANEL  
RED REFLECTIVE



SIGN PANEL  
WHITE REFLECTIVE



BACK OF SIGN PANEL AND POST  
DARK BRONZE



PLAN VIEW  
SCALE - 3/4" = 1'-0"



5198 North Lake Drive  
Lake City, GA 30260  
404.361.3800  
www.claytonsigns.com

<b>SIGN TYPE</b> <b>7</b>	DOT REGULATORY TRAFFIC SIGNS	ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED	DRAWN BY Ben Holliday	STORE NUMBER	STORE ADDRESS	THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC.. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN A COURT OF LAW. © 2015 ALL RIGHTS RESERVED	<b>LOCATION</b> <b>L</b>
	DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR		ACCOUNT REP. Ben Holliday	<b>L03841</b>	Chick-fil-A at Coconut Creek, FL North State Road 7 Coconut Creek, FL 33073		
		DRAWING DATE December 23, 2015					
		REVISION DATE January 24, 2019					

# SPECIFICATIONS

## SIGN PANELS

PANELS ARE .080 ALUMINUM WITH REFLECTIVE BACKGROUND AND GRAPHICS.

## SIGN POSTS

POSTS ARE 2" x 2" SQUARE ALUMINUM TUBING CAPPED ON TOP



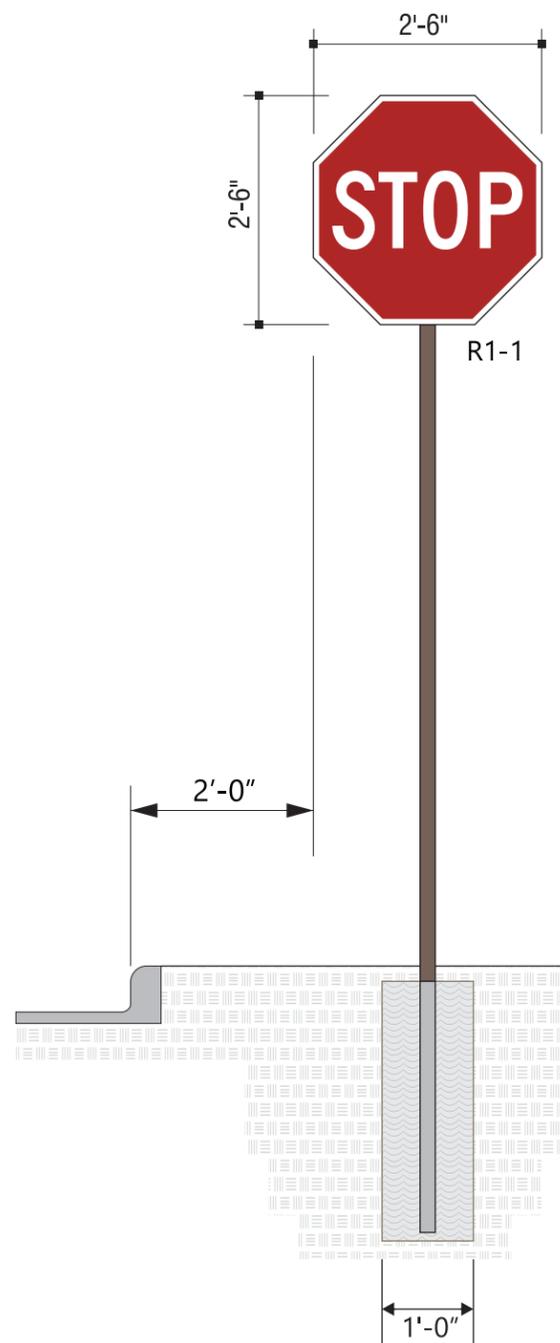
SIGN PANEL  
RED REFLECTIVE



SIGN PANEL  
WHITE REFLECTIVE

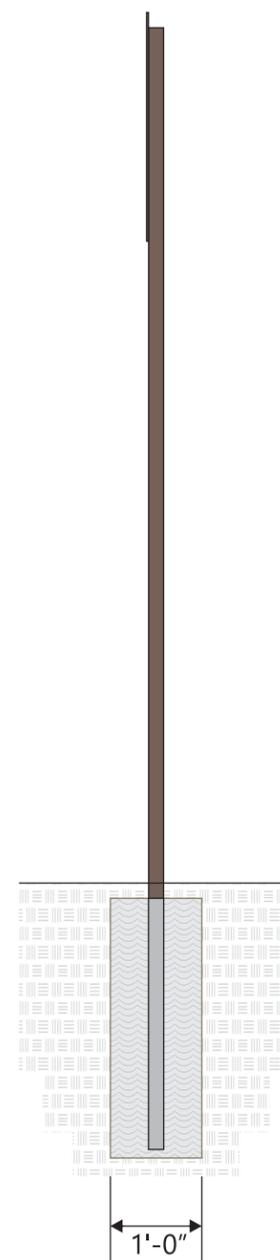


BACK OF SIGN PANEL AND POST  
DARK BRONZE



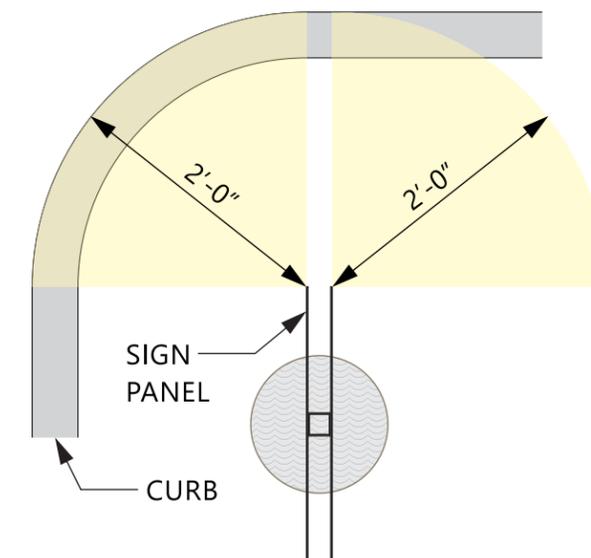
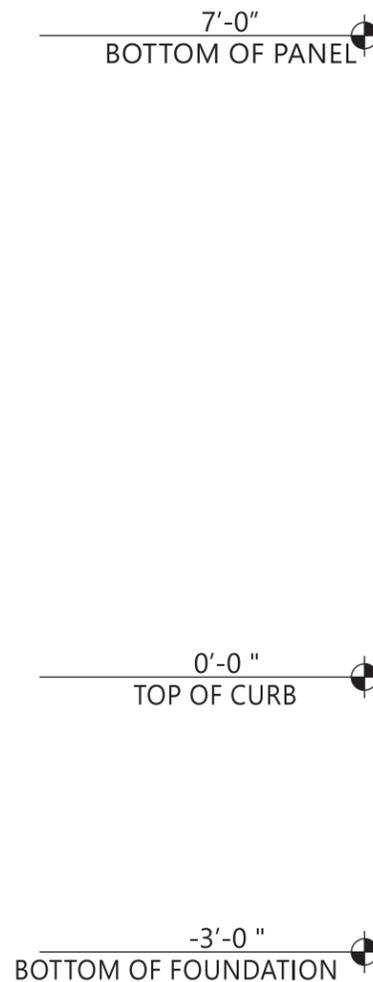
ELEVATION

SCALE - 1/2" = 1'- 0"



END VIEW

SCALE - 1/2" = 1'- 0"



PLAN VIEW

SCALE - 3/4" = 1'- 0"



5198 North Lake Drive  
Lake City, GA 30260  
404.361.3800  
www.claytonsigns.com

**SIGN TYPE**  
**7**

DOT REGULATORY TRAFFIC SIGNS  
DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR

ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED

DRAWN BY	Ben Holliday
ACCOUNT REP.	Ben Holliday
DRAWING DATE	December 23, 2015
REVISION DATE	January 24, 2019

STORE NUMBER	STORE ADDRESS
<b>L03841</b>	Chick-fil-A at Coconut Creek, FL North State Road 7 Coconut Creek, FL 33073

THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC.. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN A COURT OF LAW.  
© 2015 ALL RIGHTS RESERVED

**LOCATION**  
**M1**

# SPECIFICATIONS

## SIGN PANELS

PANELS ARE .080 ALUMINUM WITH REFLECTIVE BACKGROUND AND GRAPHICS.

## SIGN POSTS

POSTS ARE 2" x 2" SQUARE ALUMINUM TUBING CAPPED ON TOP



SIGN PANEL  
RED REFLECTIVE



SIGN PANEL  
WHITE REFLECTIVE



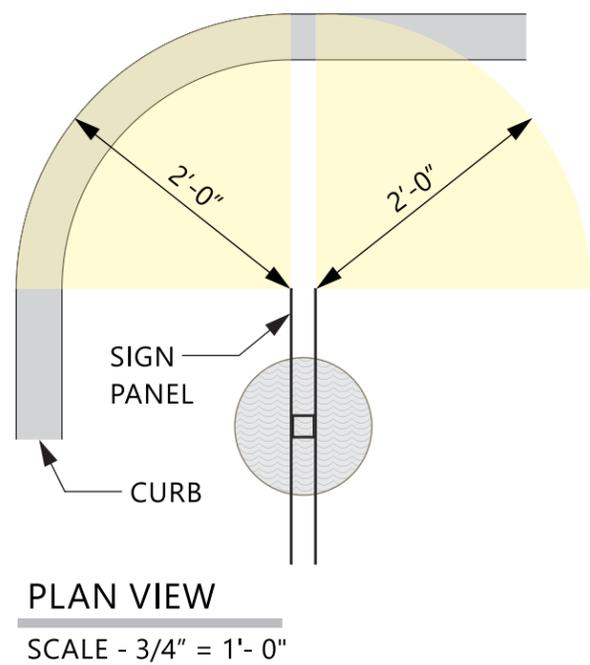
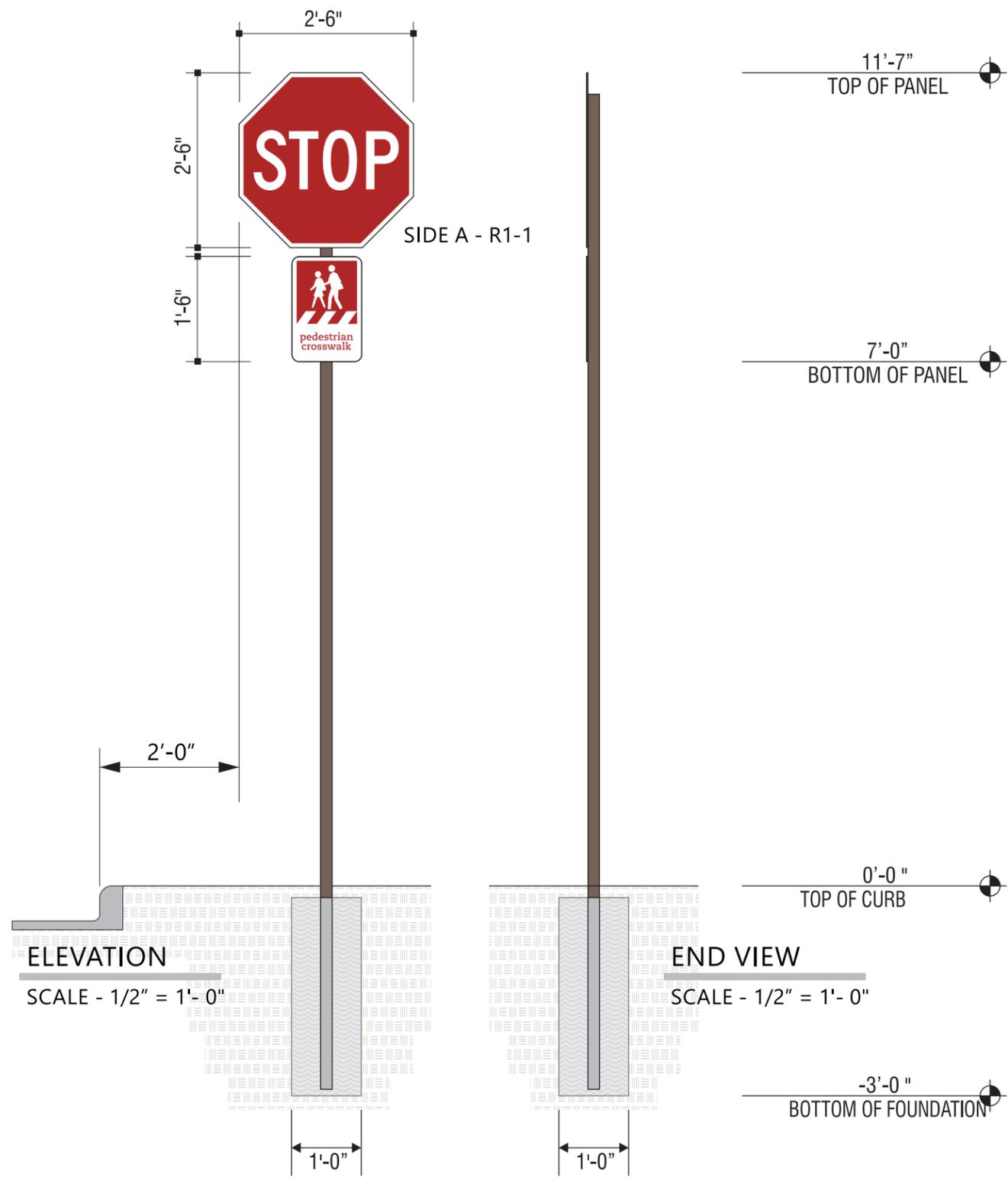
BACK OF SIGN PANEL AND POST  
DARK BRONZE



SIGN PANEL (IF SHOWN)  
BLACK REFLECTIVE



SIGN PANEL (IF SHOWN)  
YELLOW REFLECTIVE



5198 North Lake Drive  
Lake City, GA 30260  
404.361.3800  
www.claytonsigns.com

<b>SIGN TYPE</b> <b>7</b>	DOT REGULATORY TRAFFIC SIGNS	ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED	DRAWN BY Ben Holliday	STORE NUMBER	STORE ADDRESS	THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC.. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN A COURT OF LAW. © 2015 ALL RIGHTS RESERVED	<b>LOCATION</b> <b>M2</b>
	DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR		ACCOUNT REP. Ben Holliday	<b>L03841</b>	Chick-fil-A at Coconut Creek, FL North State Road 7 Coconut Creek, FL 33073		
			DRAWING DATE December 23, 2015				
			REVISION DATE January 24, 2019				

# SPECIFICATIONS

## SIGN PANELS

PANELS ARE .080 ALUMINUM WITH REFLECTIVE BACKGROUND AND GRAPHICS.

## SIGN POSTS

POSTS ARE 2" x 2" SQUARE ALUMINUM TUBING CAPPED ON TOP



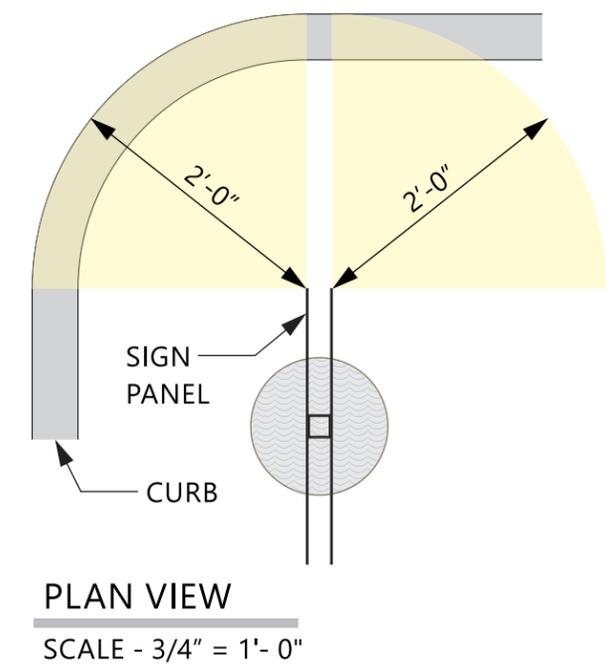
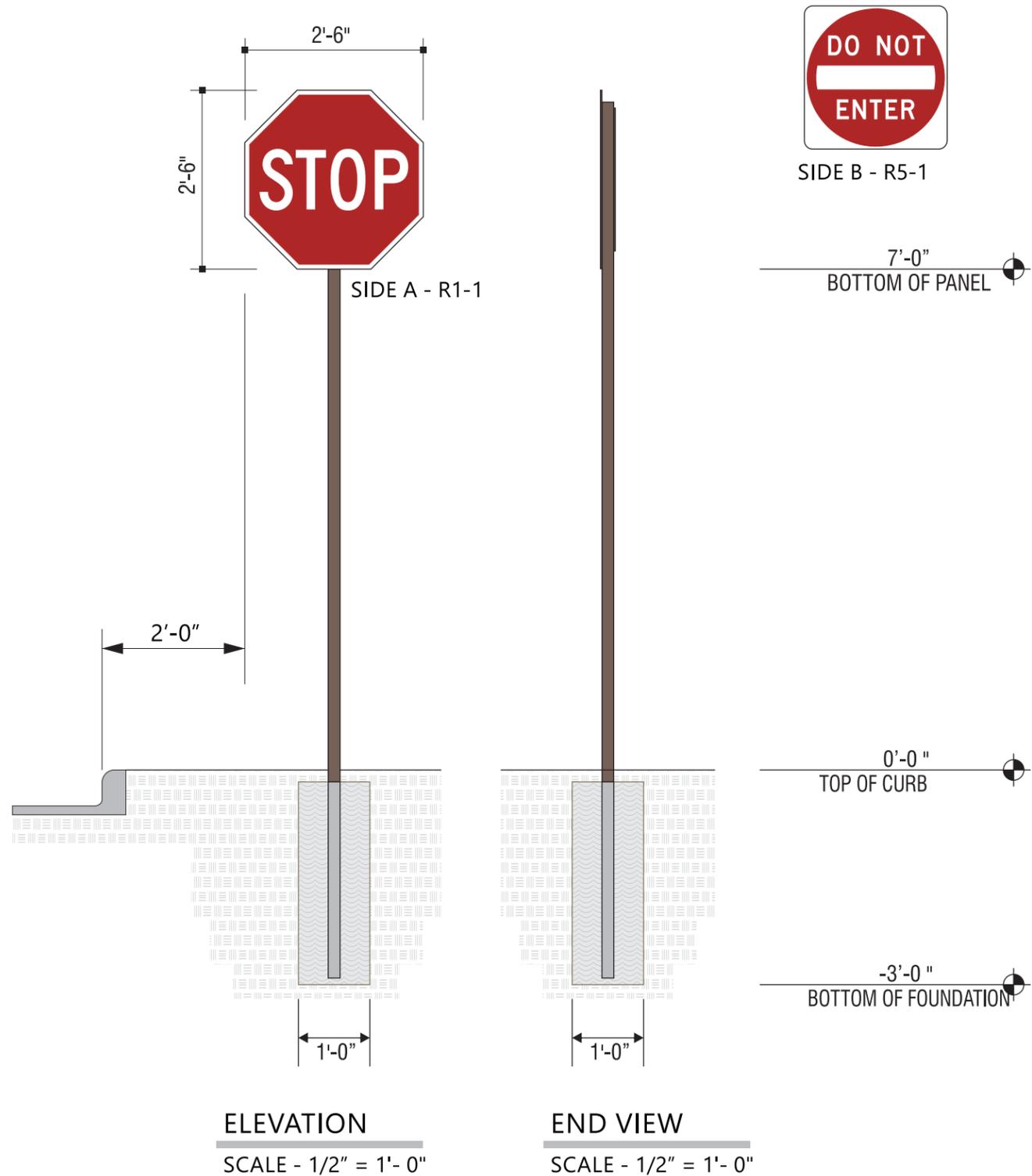
SIGN PANEL  
RED REFLECTIVE



SIGN PANEL  
WHITE REFLECTIVE



BACK OF SIGN PANEL AND POST  
DARK BRONZE



5198 North Lake Drive  
Lake City, GA 30260  
404.361.3800  
www.claytonsigns.com

<b>SIGN TYPE</b> <b>7</b>	DOT REGULATORY TRAFFIC SIGNS	ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED	DRAWN BY Ben Holliday	STORE NUMBER	STORE ADDRESS	THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC.. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN A COURT OF LAW. © 2015 ALL RIGHTS RESERVED	<b>LOCATION</b> <b>N</b>
	DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR		ACCOUNT REP. Ben Holliday	<b>L03841</b>	Chick-fil-A at Coconut Creek, FL North State Road 7 Coconut Creek, FL 33073		
			DRAWING DATE December 23, 2015				
			REVISION DATE January 24, 2019				

# SPECIFICATIONS

## SIGN PANELS

PANELS ARE .080 ALUMINUM WITH REFLECTIVE BACKGROUND AND GRAPHICS.

## SIGN POSTS

POSTS ARE 2" x 2" SQUARE ALUMINUM TUBING CAPPED ON TOP



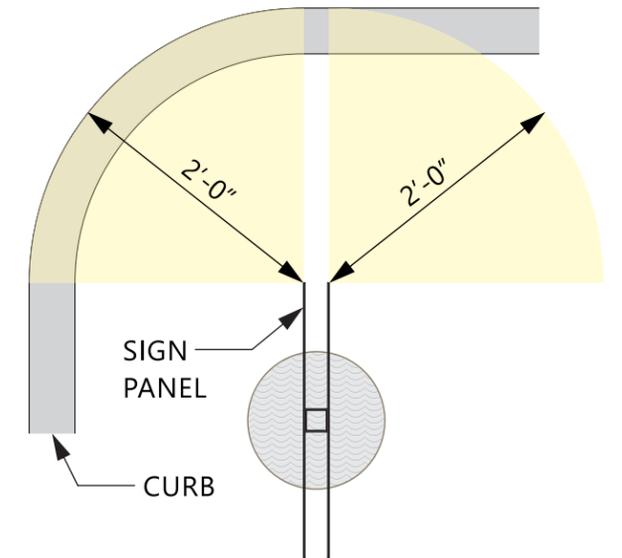
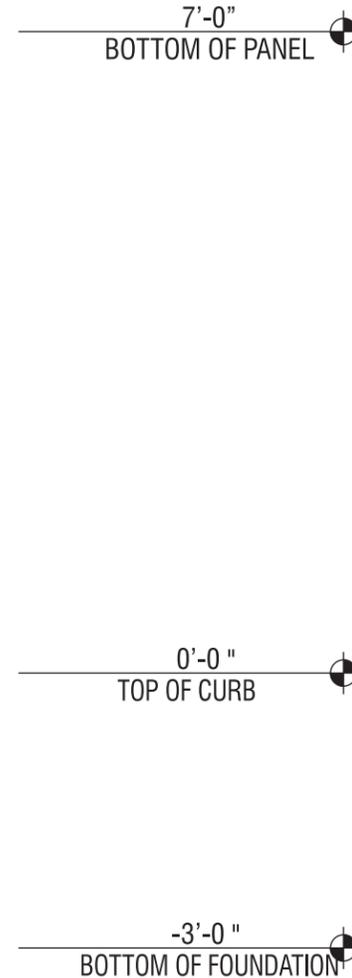
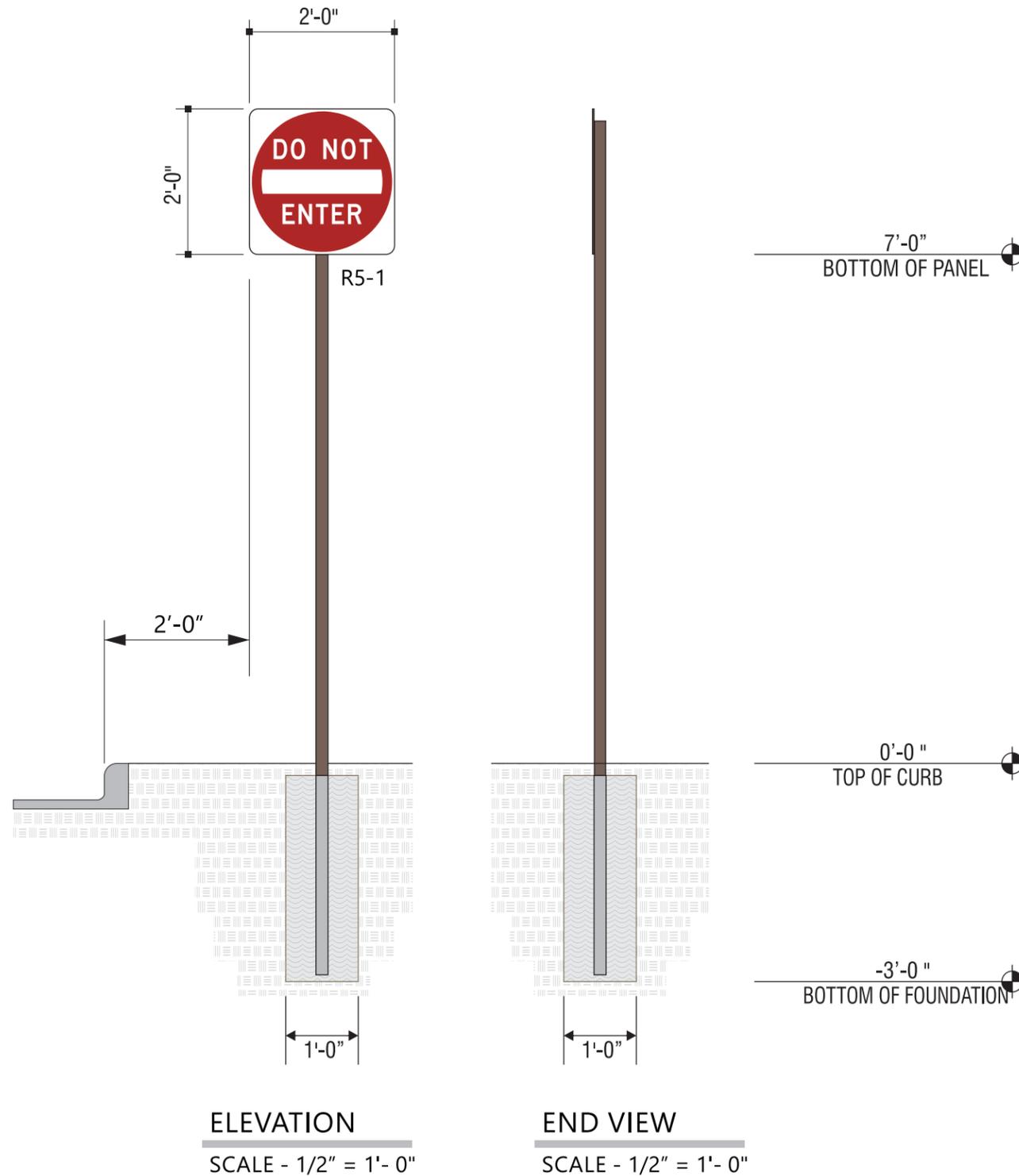
SIGN PANEL  
RED REFLECTIVE



SIGN PANEL  
WHITE REFLECTIVE



BACK OF SIGN PANEL AND POST  
DARK BRONZE



**PLAN VIEW**  
SCALE - 3/4" = 1'- 0"



5198 North Lake Drive  
Lake City, GA 30260  
404.361.3800  
www.claytonsigns.com

<b>SIGN TYPE</b> <b>7</b>	DOT REGULATORY TRAFFIC SIGNS	ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED	DRAWN BY Ben Holliday	STORE NUMBER	STORE ADDRESS	THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC.. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN A COURT OF LAW. © 2015 ALL RIGHTS RESERVED	<b>LOCATION</b> <b>0</b>
	DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR		ACCOUNT REP. Ben Holliday	<b>L03841</b>	Chick-fil-A at Coconut Creek, FL North State Road 7 Coconut Creek, FL 33073		
			DRAWING DATE December 23, 2015				
			REVISION DATE January 24, 2019				

# SPECIFICATIONS

## SIGN PANELS

PANELS ARE .080 ALUMINUM WITH REFLECTIVE BACKGROUND AND GRAPHICS.

## SIGN POSTS

POSTS ARE 2" x 2" SQUARE ALUMINUM TUBING CAPPED ON TOP



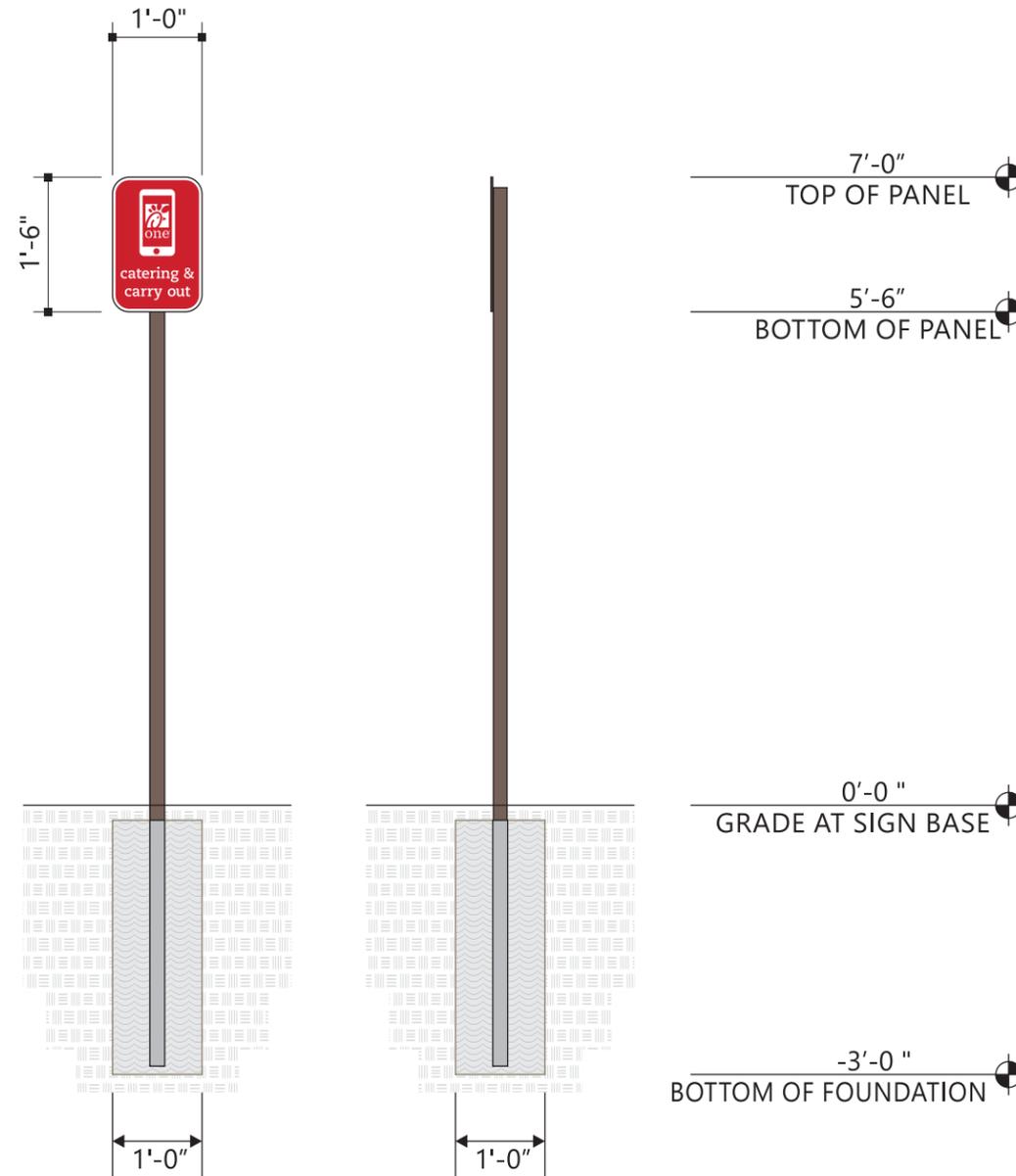
SIGN PANEL  
RED REFLECTIVE



SIGN PANEL  
WHITE REFLECTIVE



BACK OF SIGN PANEL AND POST  
DARK BRONZE



**ELEVATION**  
SCALE - 1/2" = 1'- 0"

**END VIEW**  
SCALE - 1/2" = 1'- 0"



5198 North Lake Drive  
Lake City, GA 30260  
404.361.3800  
www.claytonsigns.com

<b>SIGN TYPE</b> <b>7</b>	DOT REGULATORY TRAFFIC SIGNS	<b>ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED</b>	DRAWN BY Ben Holliday	STORE NUMBER	STORE ADDRESS	THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC.. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN A COURT OF LAW. © 2015 ALL RIGHTS RESERVED	<b>LOCATION</b> <b>P1</b>
	DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR		ACCOUNT REP. Ben Holliday	<b>L03841</b>	Chick-fil-A at Coconut Creek, FL		
	DRAWING DATE December 23, 2015	North State Road 7					
	REVISION DATE January 24, 2019	Coconut Creek, FL 33073					

# SPECIFICATIONS

## SIGN PANELS

PANELS ARE .080 ALUMINUM WITH REFLECTIVE BACKGROUND AND GRAPHICS.

## SIGN POSTS

POSTS ARE 2" x 2" SQUARE ALUMINUM TUBING CAPPED ON TOP



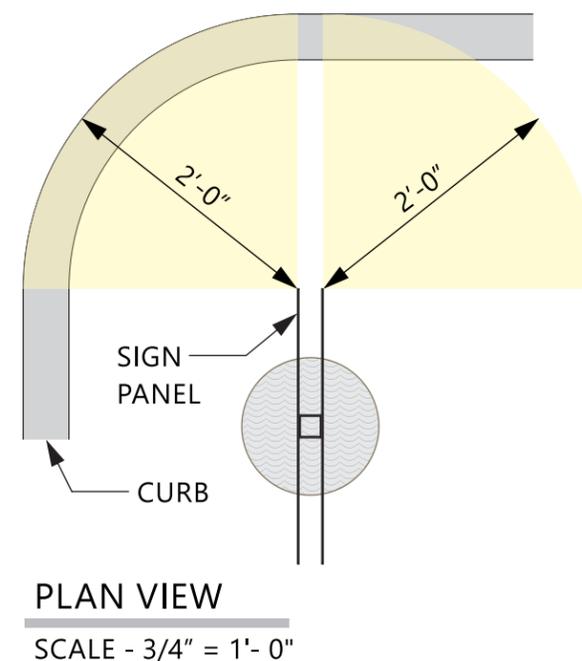
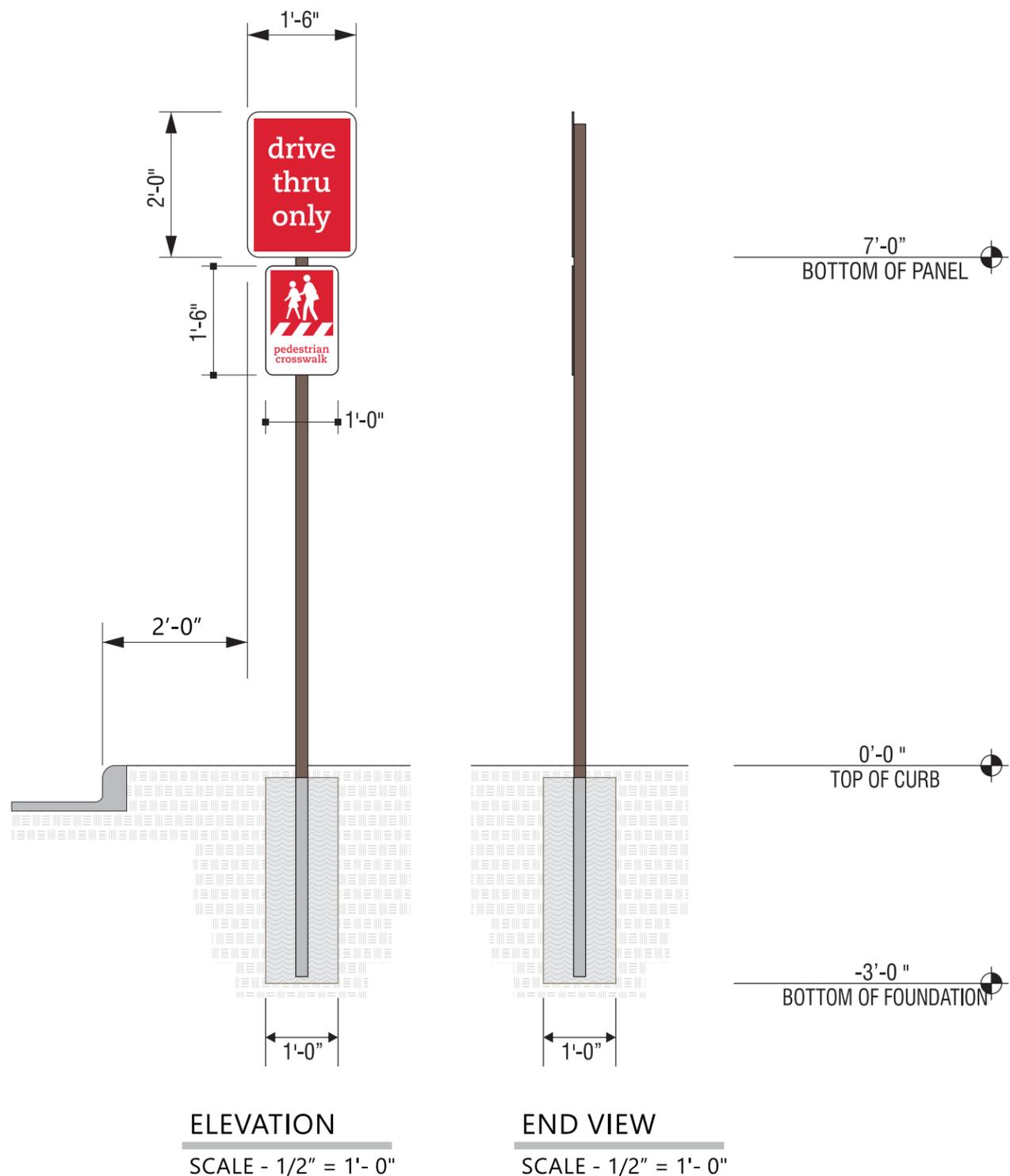
SIGN PANEL  
RED REFLECTIVE



SIGN PANEL  
WHITE REFLECTIVE

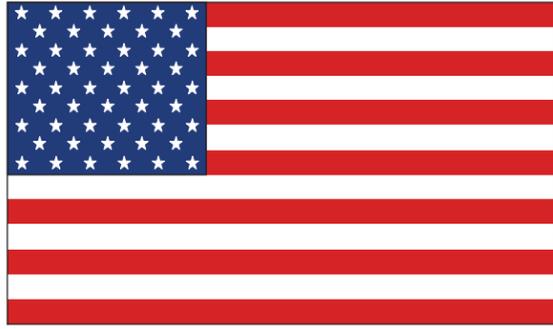


BACK OF SIGN PANEL AND POST  
DARK BRONZE



5198 North Lake Drive  
Lake City, GA 30260  
404.361.3800  
www.claytonsigns.com

<b>SIGN TYPE</b> <b>7</b>	DOT REGULATORY TRAFFIC SIGNS	ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED	DRAWN BY Ben Holliday	STORE NUMBER	STORE ADDRESS	THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC.. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN A COURT OF LAW. © 2015 ALL RIGHTS RESERVED	<b>LOCATION</b> <b>Q</b>
	DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR		ACCOUNT REP. Ben Holliday	<b>L03841</b>	Chick-fil-A at Coconut Creek, FL		
	DRAWING DATE December 23, 2015	North State Road 7					
	REVISION DATE January 24, 2019	Coconut Creek, FL 33073					

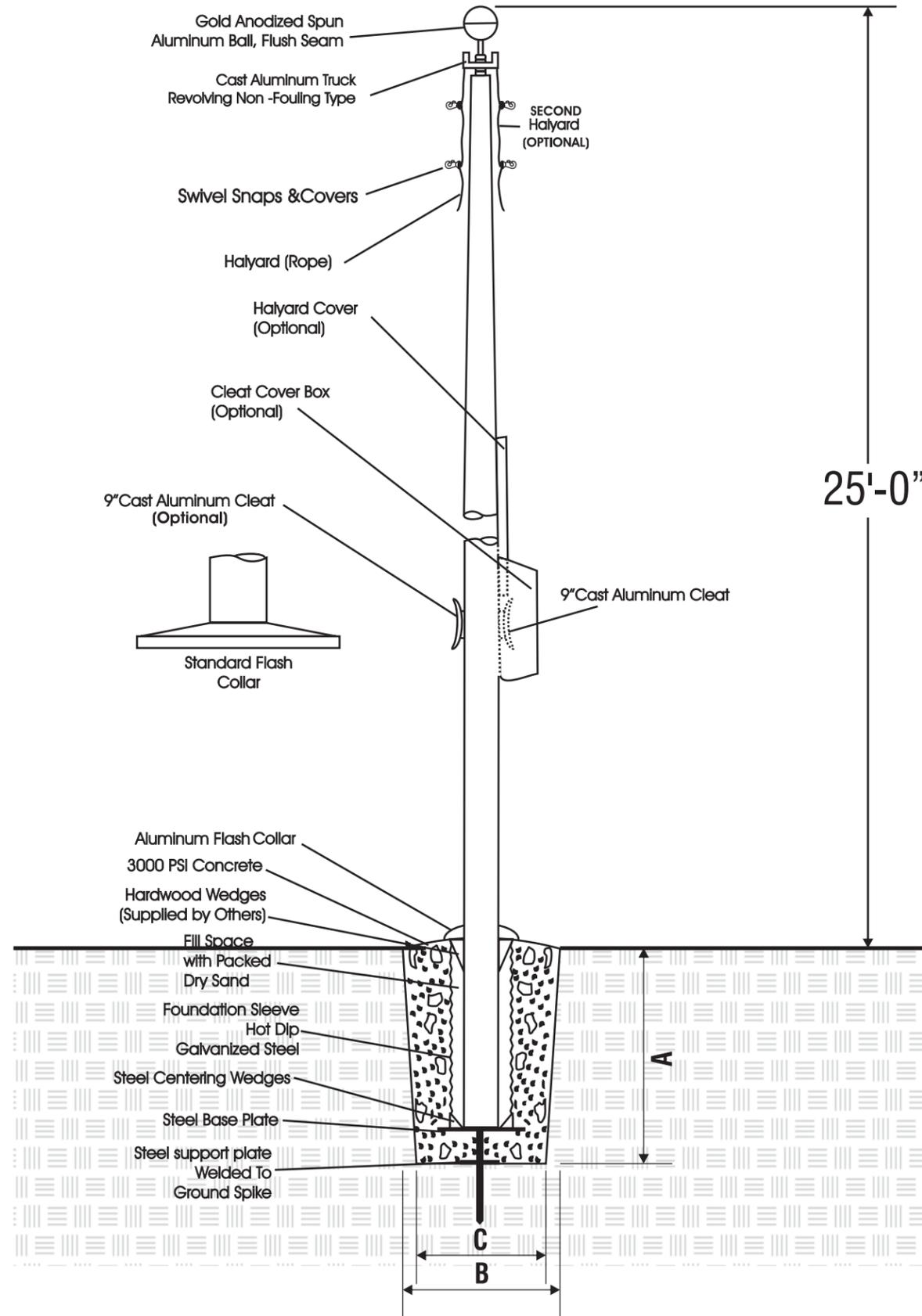


**MAXIMUM OF 24 SQUARE FEET**

**FOUNDATION SIZES**

HEIGHT	A	B	C
20'	3'6"	30"	24"
25'	3'6"	30"	24"
30'	3'6"	30"	24"
35'	4'0"	36"	30"
40'	4'6"	42"	36"
45'	5'0"	48"	42"
50'	5'6"	48"	42"

GROUND SLEEVE AND CONCRETE INSTALLED BY THE GENERAL CONTRACTOR  
 POLE INSTALLED ON PRE-INSTALLED GROUND SLEEVE BY SIGN CONTRACTOR



5198 North Lake Drive  
 Lake City, GA 30260  
 404.361.3800  
 www.claytonsigns.com

<b>SIGN TYPE</b> <b>10</b>	FLAG POLE
	DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR

ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED

DRAWN BY	Ben Holliday
ACCOUNT REP.	Ben Holliday
DRAWING DATE	December 23, 2015
REVISION DATE	January 24, 2019

STORE NUMBER	STORE ADDRESS
<b>L03841</b>	Chick-fil-A at Coconut Creek, FL North State Road 7 Coconut Creek, FL 33073

THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC.. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN A COURT OF LAW.  
 © 2015 ALL RIGHTS RESERVED

**LOCATION**  
**FP**

## SPECIFICATIONS

### SUPPORT POLE

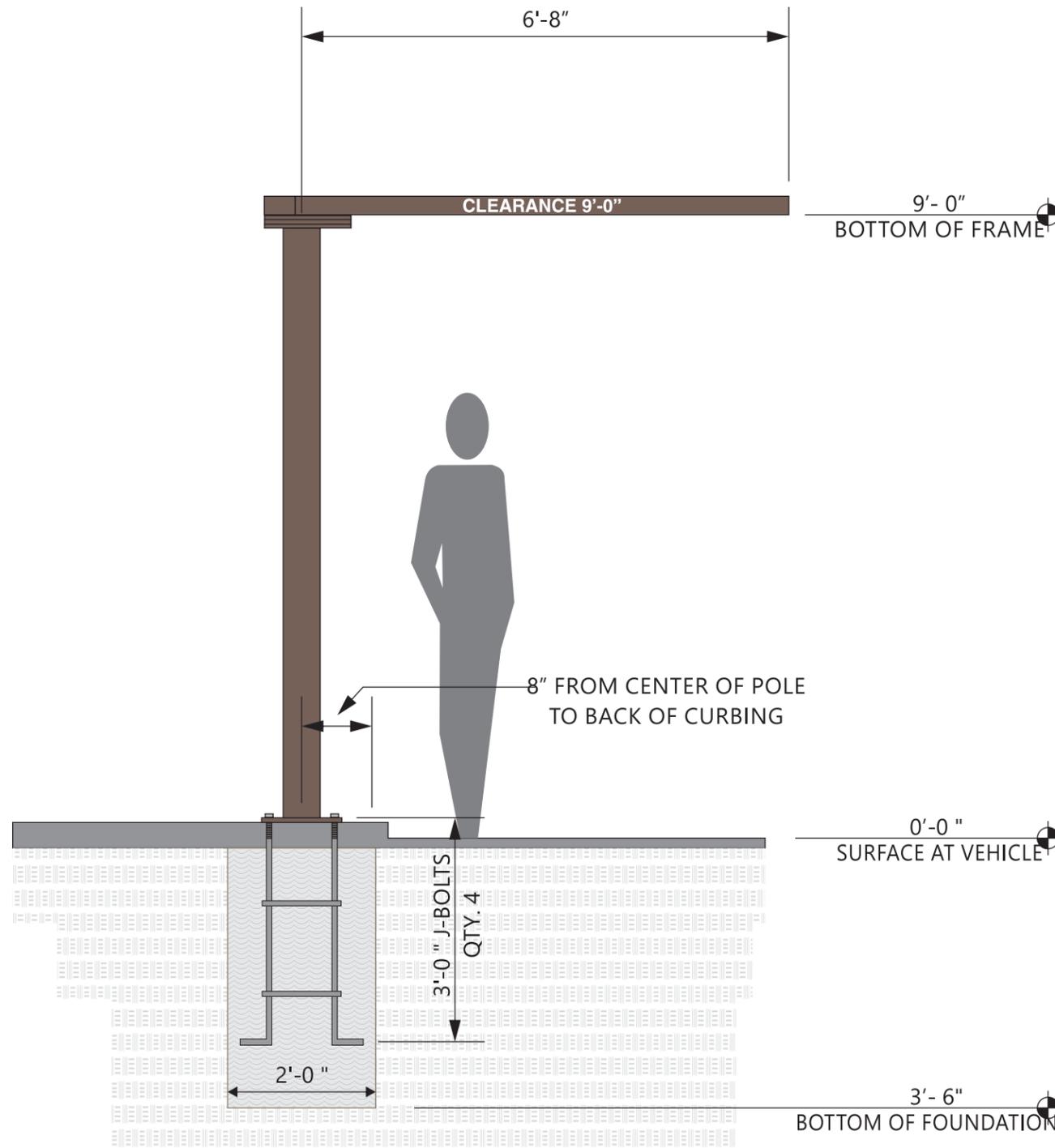
POLE HAS 13" x 13" x 3/4" THICK STEEL PLATE WITH FOUR(4) 1" DIA. HOLES IN EACH CORNER 2" FROM EACH END AND FOUR (4) ANCHOR BOLTS



METAL SURFACES  
DARK BRONZE

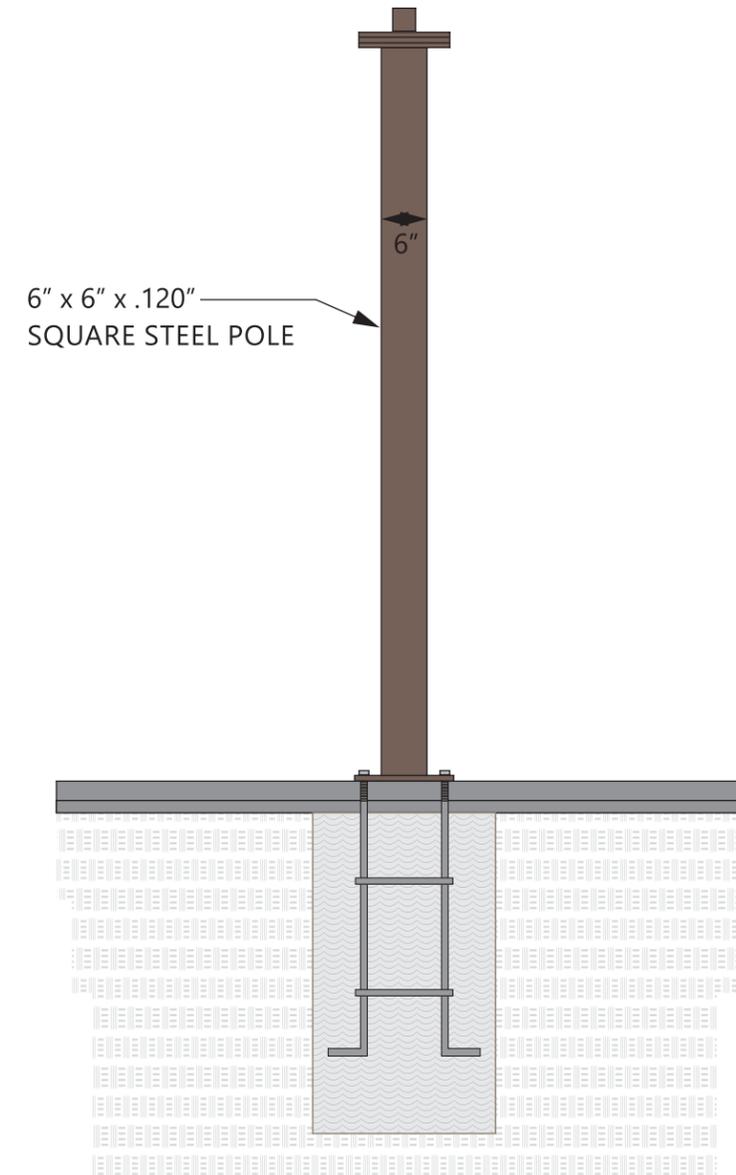


GRAPHICS  
WHITE HIGH PERFORMANCE  
VINYL FILM GRAPHICS



### ELEVATION

SCALE - 1/2" = 1'- 0"



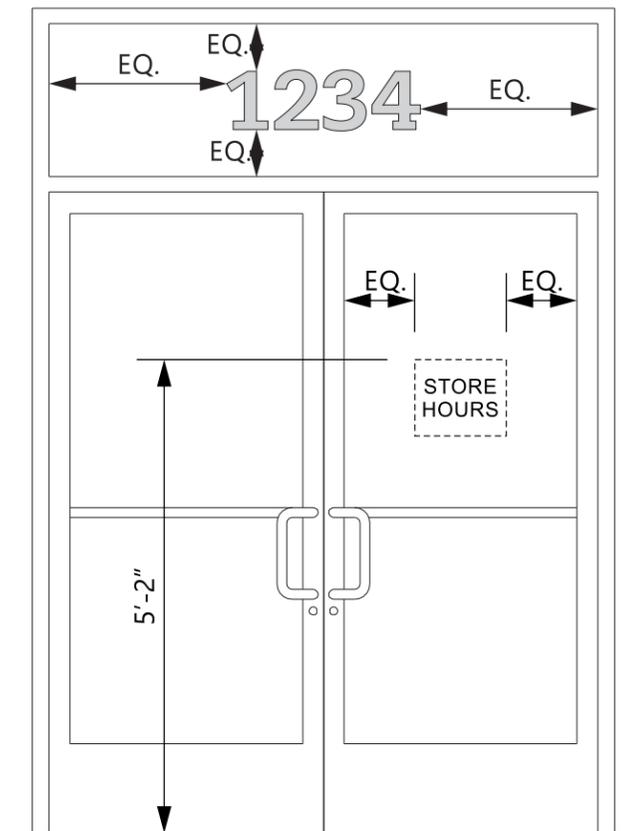
### END VIEW

SCALE - 1/2" = 1'- 0"

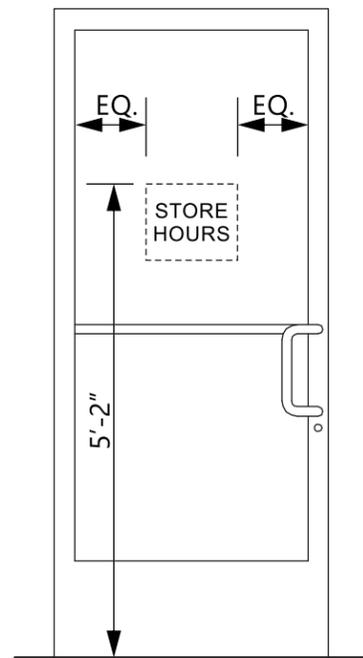


5198 North Lake Drive  
Lake City, GA 30260  
404.361.3800  
www.claytonsigns.com

CLEARANCE BAR	DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR	ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED	DRAWN BY Ben Holliday	STORE NUMBER	STORE ADDRESS	THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC.. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN A COURT OF LAW. © 2015 ALL RIGHTS RESERVED	LOCATION <b>CB</b>
			ACCOUNT REP. Ben Holliday	L03841	Chick-fil-A at Coconut Creek, FL North State Road 7 Coconut Creek, FL 33073		
			DRAWING DATE December 23, 2015				
			REVISION DATE January 24, 2019				



**ELEVATION**  
SCALE - 1/2" = 1'- 0"



**ELEVATION**  
SCALE - 1/2" = 1'- 0"

# 1234

8" TALL ADDRESS NUMBERS  
 AVERY SC 900-810-0 LIGHT GREY VINYL FILM  
 APPLIED TO INTERIOR SURFACE OF GLASS  
 CAESCILIA COM 55 ROMAN FONT  
**VERIFY ADDRESS BEFORE  
 MAKING NUMBERS**

**ELEVATION**  
SCALE - 3" = 1'- 0"



LETTERING IS WHITE VINYL FILM  
 CREDIT CARD LOGOS ARE PRINTED DECALS ON CLEAR FILM  
 ALL GRAPHICS ARE APPLIED TO INTERIOR SURFACE OF GLASS  
 STORE HOURS MAY BE DIFFERENT PER STORE.

**ELEVATION**  
SCALE - 3" = 1'- 0"



5198 North Lake Drive  
 Lake City, GA 30260  
 404.361.3800  
 www.claytonsigns.com

<b>SIGN TYPE</b> <b>6</b>	VINYL WINDOW GRAPHICS	ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED	DRAWN BY Ben Holliday	STORE NUMBER	STORE ADDRESS	THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC.. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN A COURT OF LAW. © 2015 ALL RIGHTS RESERVED
	DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR		ACCOUNT REP. Ben Holliday	<b>L03841</b>	Chick-fil-A at Coconut Creek, FL	
	REVISION DATE January 24, 2019	North State Road 7				
		Coconut Creek, FL 33073				

**VERIFY ADDRESS BEFORE MAKING NUMBERS**

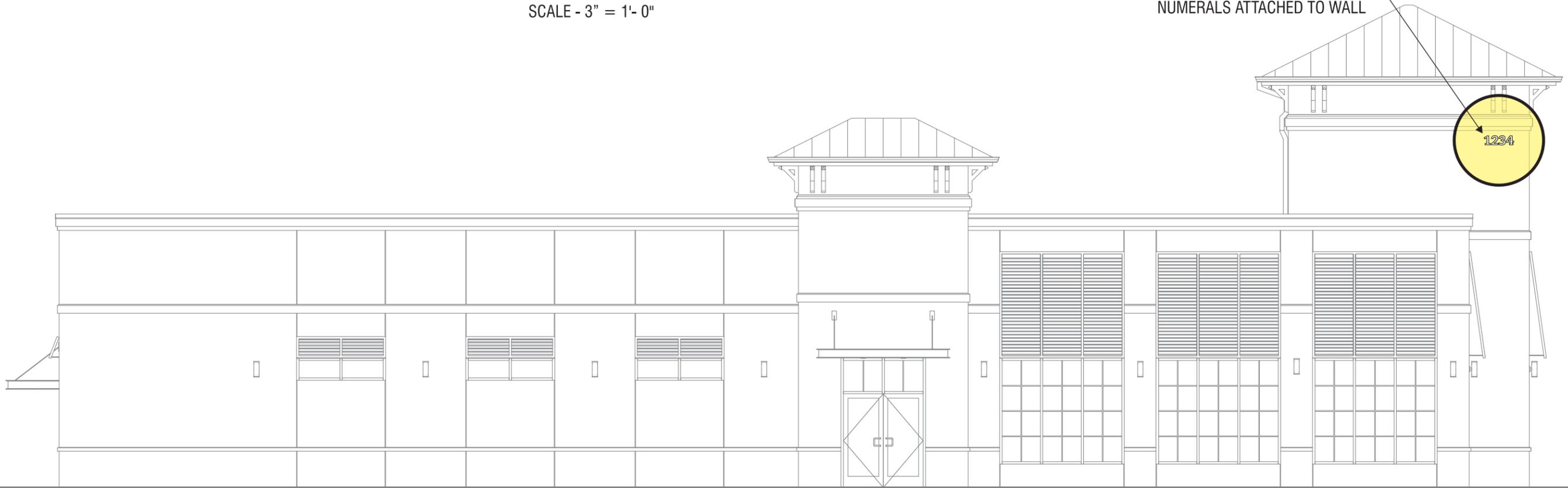
1234

8" TALL ADDRESS NUMBERS  
ALUMINUM PAINTED WHITE  
CAESCILIA COM 55 ROMAN FONT

**ELEVATION**

SCALE - 3" = 1'- 0"

8" TALL ALUMINUM ADDRESS  
NUMERALS ATTACHED TO WALL



**ELEVATION**

SCALE - 1/8" = 1'- 0"



5198 North Lake Drive  
Lake City, GA 30260  
404.361.3800  
www.claytonsigns.com

**SIGN TYPE**  
**6**

VINYL WINDOW GRAPHICS

DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR

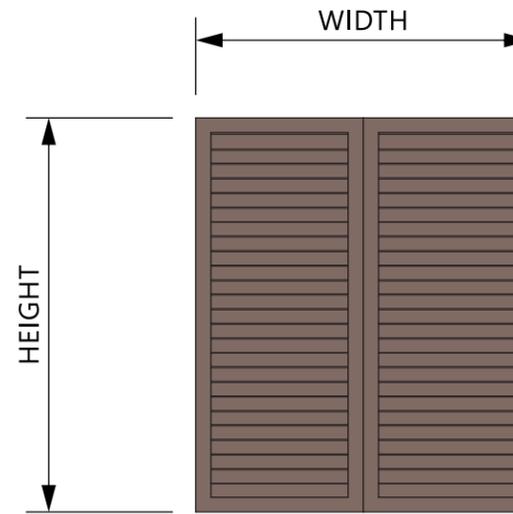
ALL ELECTRICAL  
SIGNS ARE  
**120 VOLTS**  
UNLESS  
OTHERWISE INDICATED

DRAWN BY Ben Holliday  
ACCOUNT REP. Ben Holliday  
DRAWING DATE December 23, 2015  
REVISION DATE January 24, 2019

STORE NUMBER  
**L03841**

STORE ADDRESS  
Chick-fil-A at Coconut Creek, FL  
North State Road 7  
Coconut Creek, FL 33073

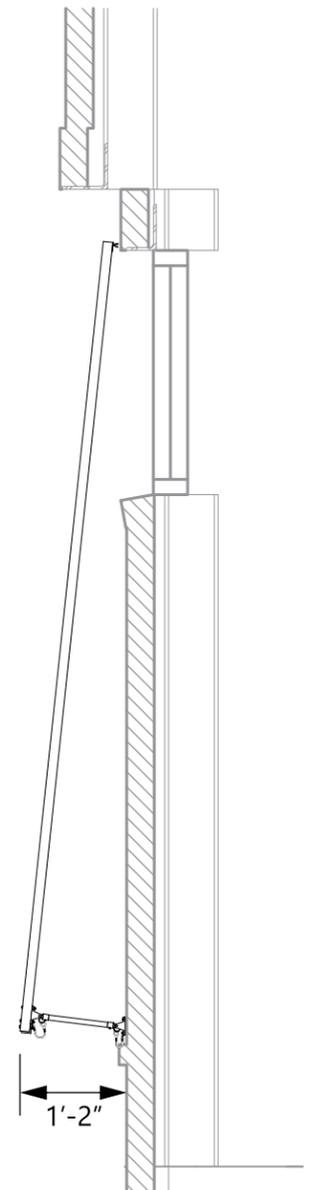
THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC.. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN A COURT OF LAW.  
© 2015 ALL RIGHTS RESERVED



ALUMINUM BAHAMA SHUTTER  
COLOR - DARK BRONZE

**ELEVATION**  
SCALE - 1/4" = 1'- 0"

Shutter	Qty.	Height	Width
LV-1	6	48.00	56.00
LV-2	8	10.00	40.00
LV-3	2	48.00	24.00
LV-4	3	48.00	22.50



**END VIEW DETAIL**  
SCALE - 1/2" = 1'- 0"



5198 North Lake Drive  
Lake City, GA 30260  
404.361.3800  
www.claytonsigns.com

BAHAMA SHUTTERS
DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR

ALL ELECTRICAL  
SIGNS ARE  
120 VOLTS  
UNLESS  
OTHERWISE INDICATED

DRAWN BY	Ben Holliday
ACCOUNT REP.	Ben Holliday
DRAWING DATE	December 23, 2015
REVISION DATE	January 24, 2019

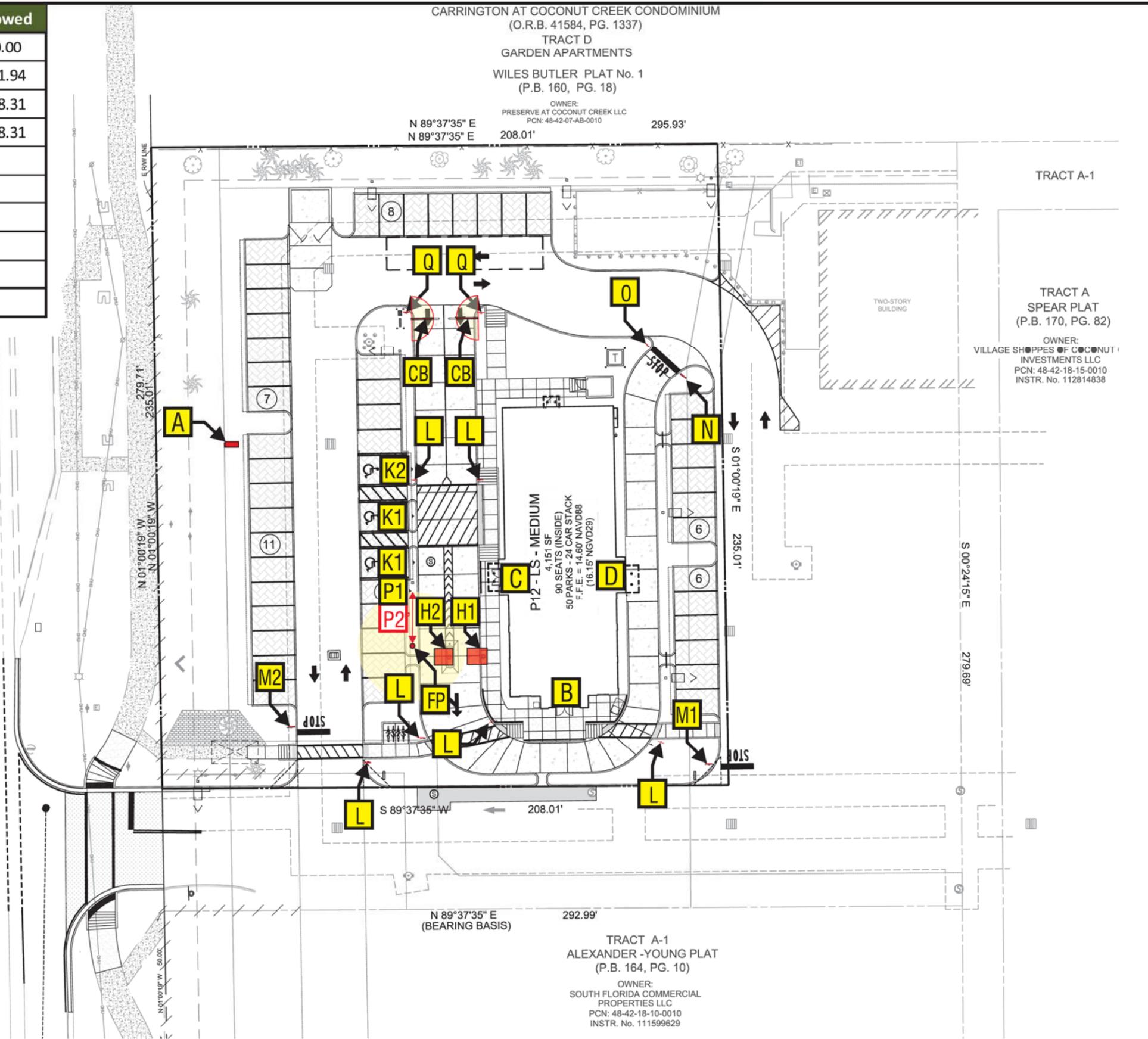
STORE NUMBER	STORE ADDRESS
<b>L03841</b>	Chick-fil-A at Coconut Creek, FL North State Road 7 Coconut Creek, FL 33073

THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC.. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN A COURT OF LAW.  
© 2015 ALL RIGHTS RESERVED

Item	Description	Qty	Sign Area	Allowed
A	Outparcel Sign	1	27.45	30.00
B	Wall Sign - Script 4' set	1	37.67	111.94
C	Wall Sign - Script 4' set	1	37.67	268.31
D	Wall Sign - Script 4' set	1	37.67	268.31
	No Sign on Rear Elevation			

Item	Description	Qty
K1	DOT - Handicapped Parking	2
K2	DOT - Handicapped Parking (Van)	1
L	DOT - Pedestrian Sign	6
M1	DOT - Stop	1
M2	DOT - Stop / Pedestrian	1
N	DOT - Stop / Do Not Enter	1
O	DOT - Do Not Enter	1
P1	DOT - Catering & Carry Out	1
Q	DOT - Drive-thru Only / Pedestrian Sign	2
H1	Menu Canopy (Lane 1)	1
H2	Menu Canopy (Lane 2)	1
CB	Clearance Bar	2
FP	Flag pole (25') freight not included	1

**P2** - \*\*RECOMMENDED FUTURE SITE FOR 'CURBSIDE DELIVERY' SIGN PENDING OPERATOR OPT-IN (VERBIAGE TO BE DETERMINED)



5198 North Lake Drive  
 Lake City, GA 30260  
 404.361.3800  
 www.claytonsigns.com

SITE PLAN	DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR	ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED	DRAWN BY	Ben Holliday	STORE NUMBER	L03841
			ACCOUNT REP.	Ben Holliday	STORE ADDRESS	Chick-fil-A at Coconut Creek, FL North State Road 7 Coconut Creek, FL 33073
			DRAWING DATE	December 23, 2015		
			REVISION DATE	January 25, 2019		

THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN A COURT OF LAW.

© 2015 ALL RIGHTS RESERVED

SITE PLAN