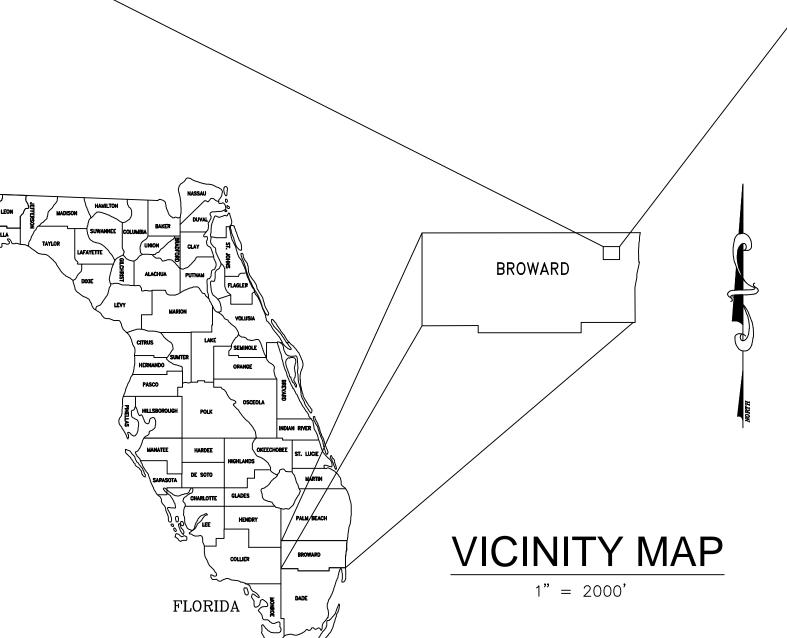
SITE DEVELOPMENT PLANS

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

NW STB CO. NW 40ch St. Read and Co. NW 40ch St. NW 40



GENERAL NOTES

- 1. 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
- 2. CONTRACTOR SHALL MEET OR EXCEED ALL SITE WORK SPECIFICATIONS AND APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS FOR ALL MATERIALS AND CONSTRUCTION.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY DURING CONSTRUCTION.
- 4. 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.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
- 7. ANY REFERENCE TO PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
- 8. 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.

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

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

& 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

& 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
954.519.1232
SJUNCOSA@BROWARD.ORG

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

GAS SERVICE
TECO NATURAL GAS SERVICE
5101 NORTHWEST 21st AVENUE
460 FORT LAUDERDALE, FL 33309
DOUG HUFFMAN
954.931.9742

dlhuffman@tecoenergy.com

561.742.2085

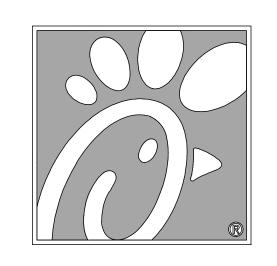
TELEPHONE/INTERNET
AT&T FLORIDA
8601 WEST SUNRISE BOULEVARD
PLANTATION FL, 33322
964.476.2936
hu083j@att.com

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 AT-1.0 AUTOTURN PLAN





5200 Buffington Rd. Atlanta Georgia, 30349-2998

Bownah Control of Authorization License No. 30462
13450 Sunrise Blvd., Suite 320
Sunrise, FL 33323
Phone: (954) 314-8466

Seal

VILLIAM PFEFFER, P.E LICENSE NO. 73058

HCK-FIL-A CONUT CREEK FSR

FSR# 03841

00

REVIS	ION SCHEDULE	
NO.	DATE	DESCRIPTION
2	7/27/18	REVISED SIT PERMIT SUBMIT
<u>\$</u>	9/25/18	FDOT & DRC COMMENTS

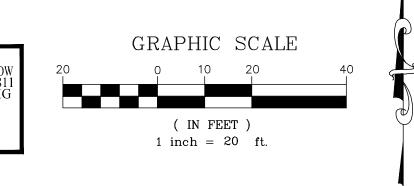
COVER SHEET

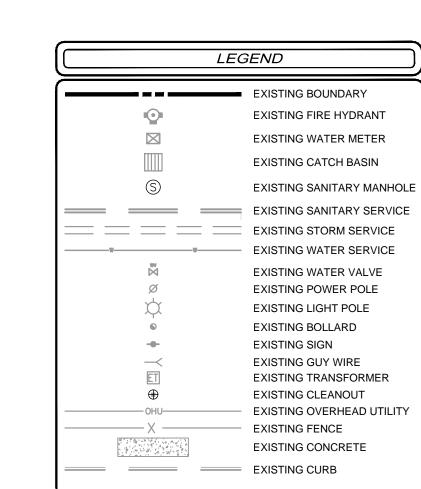
冚

SHEET NUMBER

C-1.0



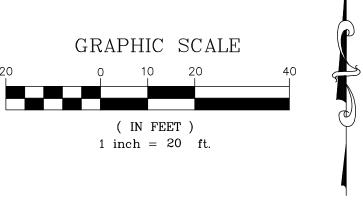




- 1. THE LOCATION OF EXISTING UTILITIES SHOWN IS APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION DURING CONSTRUCTION. RELOCATION OF UTILITIES SHALL BE COORDINATED WITH UTILITY COMPANIES AFTER IDENTIFICATION OF CONFLICT BY CONTRACTOR. CONTRACTOR WILL NOTIFY ENGINEER IN ADVANCE BEFORE ANY RELOCATION.
- 2. 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 427937-1-52-01 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)

- F.D.O.T. BRASS DISC IN CONCRETE STAMPED "7 86 07 B12" EL. = 14.44' (NAVD88)
- 3. ELEVATION DATUM CONVERSION NAVD TO NGVD = +1.55'
- 4. CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES. UTILITY LOCATIONS SHOWN ARE APPROXIMATES.





5200 Buffington Rd. Atlanta Georgia, 30349-2998

ONSULTING Certificate of Authorization License No. 30462 13450 Sunrise Blvd., Suite 320 Phone: (954) 314-8466 www.bowmanconsulting.com © Bowman Consulting Group, Ltd.

Seal

WILLIAM PFEFFER, P.E. LICENSE NO. 73058 10/2/2018

FSR# 03841

FDOT & DRC

010014-01-034

DESCRIPTION REVISED SITE PERMIT SUBMITTAL

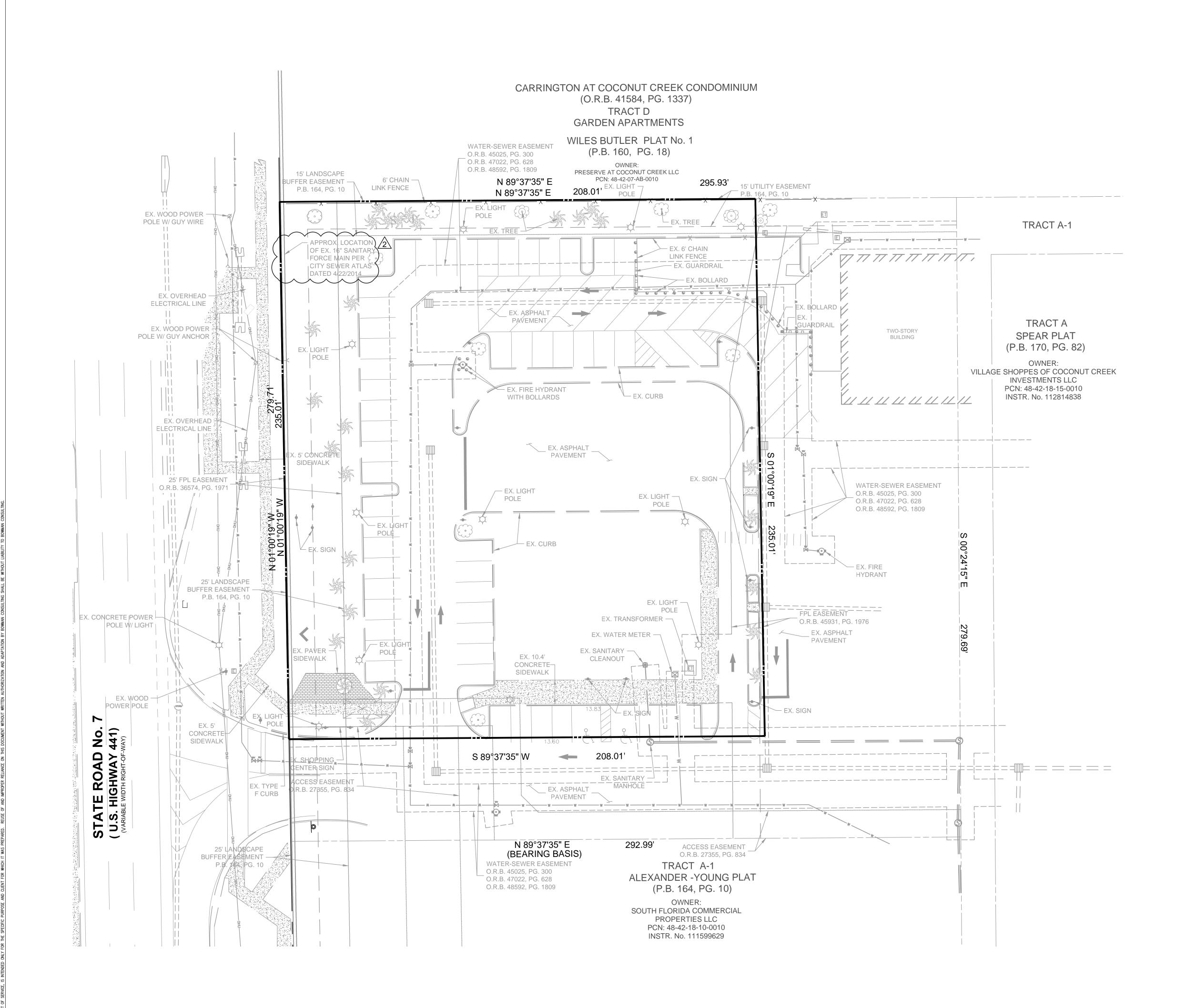
2017-029

	CURRENT DESIGN NOTE APPLIED
	PROJECT#
•	PRINTED FOR
	DATE
•	DRAWN BY
	Information contained on this dra produced for above named proje any manner without express writ authorized project representative

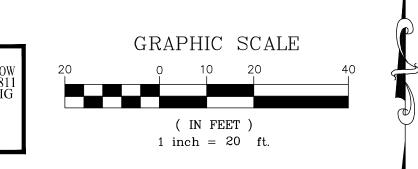
<u>3</u> 9/25/18

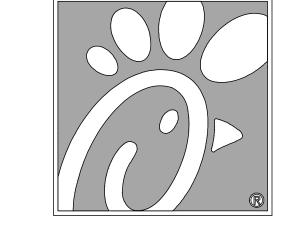
s drawing and in all digital files project may not be reproduced in written or verbal consent from atives.

SHEET EXISTING CONDITIONS PLAN











5200 Buffington Rd. Atlanta Georgia, 30349-2998

C O N S U L T I N G

Certificate of Authorization License No. 30462
13450 Sunrise Blvd., Suite 320
Sunrise, FL 33323

Phono: (054) 314 8466 Phone: (954) 314-8466 www.bowmanconsulting.com

© Bowman Consulting Group, Ltd.

Seal

WILLIAM PFEFFER, P.E. LICENSE NO. 73058 10/2/2018

FSR# 03841

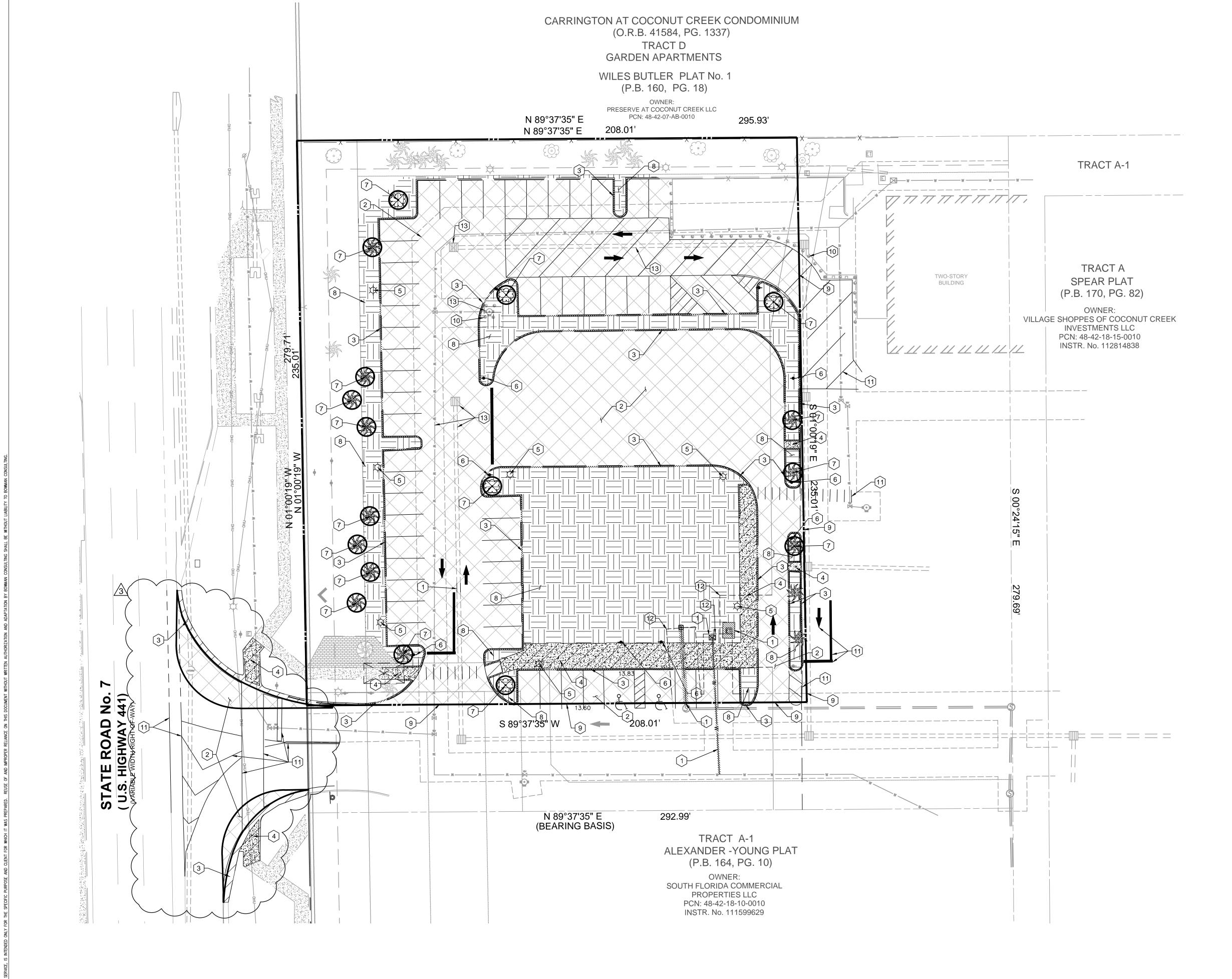
DESCRIPTION REVISED SITE PERMIT SUBMITTAL FDOT & DRC <u>3</u> 9/25/18

PROJECT# PRINTED FOR

010014-01-034 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.

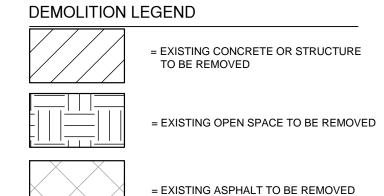
DEMOLITION PLAN SHEET NUMBER

10/2/2018



KEY NOTE LEGEND

- UTILITIES TO BE REMOVED
- PAVEMENT TO BE REMOVED CURB TO BE REMOVED
- SIDEWALK TO BE REMOVED
- LIGHT POLES TO BE REMOVED
- SIGN TO BE REMOVED
- TREES TO BE REMOVED OPEN SPACE TO BE REMOVED
- SAWCUT EXISTING ASPHALT
- EXISTING BOLLARD TO REMAIN (7)
- PAVEMENT MARKING TO BE REMOVED
- EASEMENT TO BE ABANDONED
- EXISTING UTILITIES TO REMAIN

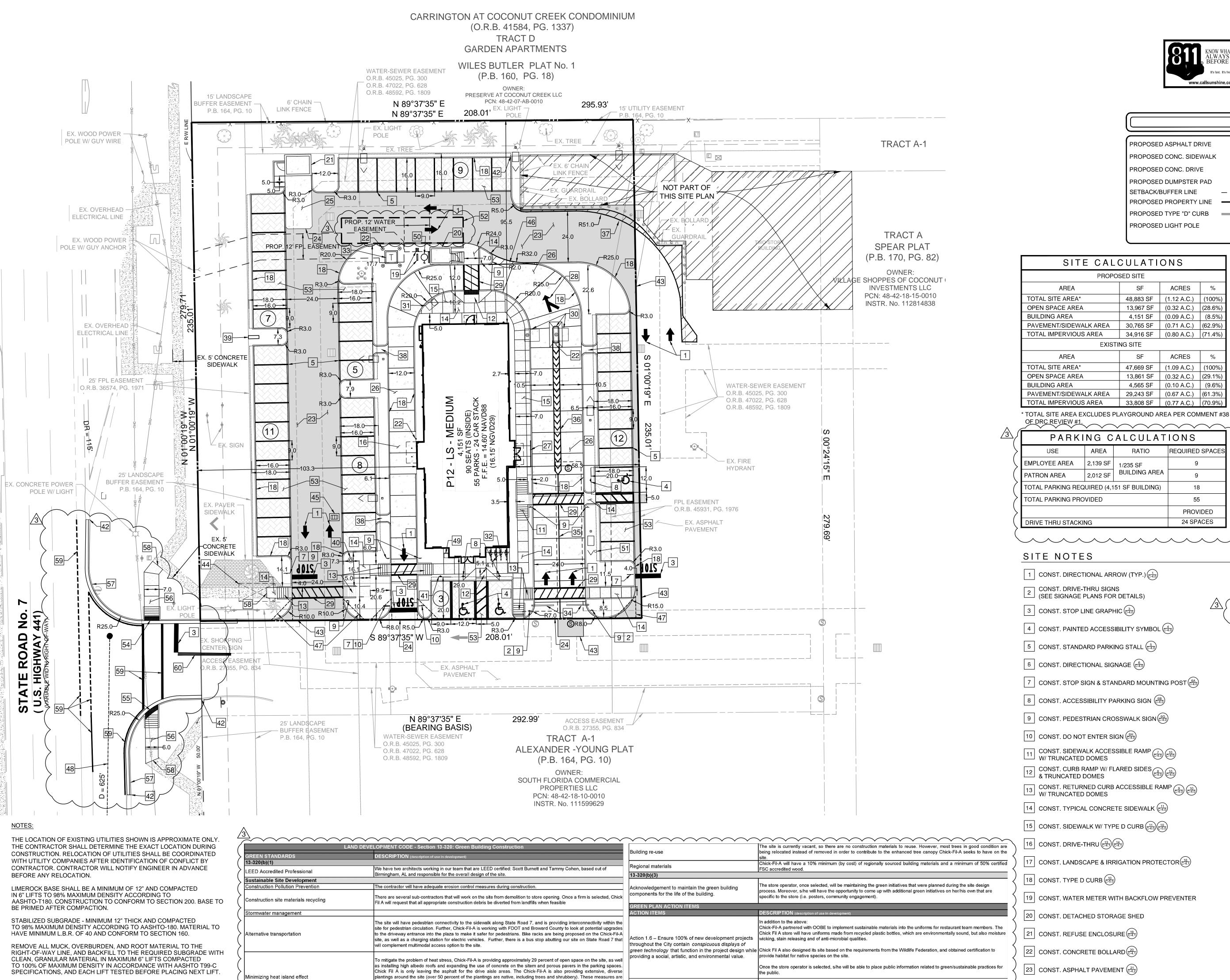


GENERAL DEMOLITION NOTES

- 1. 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.
- 2. 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.

= EXISTING TREE TO BE REMOVED

- 3. CONTRACTOR SHALL PROTECT THE PUBLIC WITH BEST MANAGEMENT PRACTICES.
- 4. 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.
- 5. 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.
- 6. THE CONTRACTOR SHALL MAINTAIN CONTINUOUS ACCESS TO ADJACENT
- PROPERTIES DURING CONSTRUCTION AND AVOID ANY PROPERTY DAMAGE DURING
- 7. THE CONTRACTOR SHALL INSTALL EROSION AND SEDIMENT CONTROL DEVICES PRIOR TO DEMOLITION.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SERVICES TO ANY NECESSARY UTILITIES DURING CONSTRUCTION.
- 9. 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.
- 10. BACKFILL ALL EXCAVATIONS RESULTING FROM THE DEMOLITION WORK MEETING THE REQUIREMENTS FOR FILL OUTLINED IN THE GEOTECHNICAL INVESTIGATION REPORT FOR THIS SITE.
- 11. 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.
- 12. 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.
- 13. 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. 14. EXISTING PERIMETER TREES & LANDSCAPING TO REMAIN WHEREVER POSSIBLE.



ar more effective in reflecting up to 50% more light and lowering the temperature. The restaurant will have Low-E,

sulated high performance glazing to reduce solar heat gain as well inside the building and the pressure/demand on the air

Chick-Fil-A has reduced its indoor water use by 45% through the installation of efficient fixtures, incl. water heaters, and

The Chick-Fil-A building systems are commissioned for effectiveness prior to building turnover. This store will operate with

specified Energy Star equipment and LED interior light fixtures and will have com-check reports for energy and building

There are several sub-contractors that will work on the site from demolition to store opening. Once a firm is selected, Chick

Chick-Fil-A uses low emitting VOC flooring and paint materials, and prioritizes the use of materials with recycled content. | Action 6.2 - Bicycle parking on site

The store will also have controls for lighting and thermal comfort in administrative spaces to enhance productivity, and has

Action 6.4 – Alternative vehicle parking.

The Chick-Fil-A store will have an on-site, electric vehicle charging station within its parking area

Fil A will request that all appropriate construction debris be diverted from landfills when feasible

peen designed with enhanced daylighting through increased fenestration.

outdoor water usage volumes.

Storage and collection of recyclables post occupancy The store will have on-site recycling post occupancy.

Action 2.1 - Achieve 40% tree canopy coverage

public and private land by 2020.

25% by 2014 and 50% by 2020.

roughout the City with maximum tree coverage on

Action 2.2 – Achieve 40% greenroof coverage for new

Action 5.1 – Increase recycling throughout the City by

Action 5.3 - Require all construction and demolition

debris to divert 75% of waste from landfills.

construction in MainStreet Project Area and 10%

outside of MainStreet. (i.e. high albedo paint on roof)

ALL CURB CUT RAMPS MUST FACE IN THE DIRECTION OF PEDESTRIAN

CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES.

FINISH FLOOR ELEVATIONS SHALL BE SET EITHER ONE (1) FOOT ABOVE,

OR FLOOD PROTECTED UP TO ONE (1) FOOT ABOVE THE AFFECTIVE

ALL PAVEMENT MARKINGS AND SIGNAGE SHALL BE IN ACCORDANCE

WITH THE LATEST EDITION OF THE MANUEL ON UNIFORM TRAFFIC

SPECIFY THE ALPHANUMERIC IDENTIFICATION FOR THE CURB CUT

RAMPS PER STANDARD INDEX 304. A COPY OF THE APPROPRIATE

DETAIL(S) MUST BE SHOWN ON THE PLANS.

UTILITY LOCATIONS SHOWN ARE APPROXIMATES.

ALL ELEVATIONS SHOWN ARE NAVD 88.

FEMA FLOOD ELEVATION.

CONTROL DEVICES (MUTCD)

Water Efficiency

Energy Efficiency

Indoor air quality

Minimum energy performance

On-site renewable energy Indoor Environmental Quality

Materials and Recycling

Recycling of demolition waste

TRAVEL.

nick-Fil-A is planting a diverse range of trees, shrubbery and groundcover on the site. 55.6% of trees are native, and

59.7% of shrubs and groundcover is native, without counting the sod on the site. Trees found in good condition are being

located where possible, instead of removed. Further, 2,350 SF of canopy is being provided to mitigate for the 1,097 SF

The CFA building does have high albedo roofs, enhanced fenestration and other heat island reduction elements (concrete

here will be on-site recycling and Chick-Fil-A has incorporated recycled plastic into their uniforms for team members

Chick-Fil-A will select a contractor and request that all appropriate construction debris be diverted from landfills when

Bike parking is available on site.

Electric vehicle charging station is being proposed on site.

24 CONST. PAVEMENT EDGE (21A)

27 CONST. ALUMINUM HANDRAIL $\frac{26}{C-4.2}$

29 CONST. CROSSWALK STRIPING (29)

31 CASH STATION

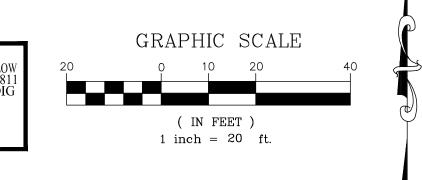
25 CONST. CONCRETE APRON AT REFUSE ENCLOSURE $(\frac{24}{c-4.2})$

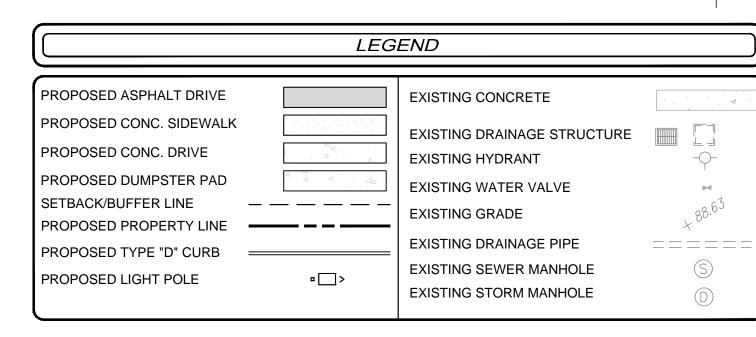
26 CONST. CONCRETE PAVING DRIVE-THRU LANE (25)

28 CONST. MULTI-LANE DIRECTIONAL GRAPHICS (27)

30 CONST. ORDER BOARDS WITH ISLAND CURB (34)





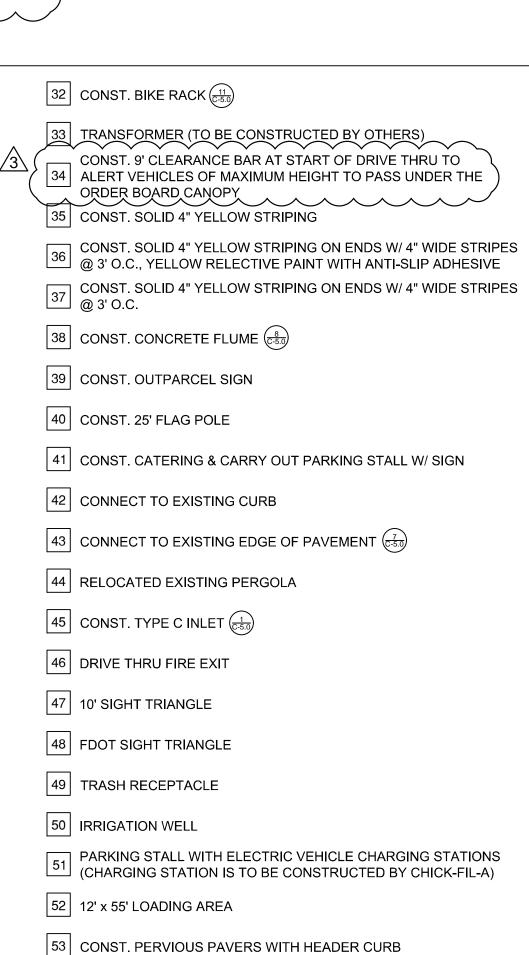


SITE CALCULATIONS				SI ⁻	TE S			
	PROP	OSED SITE				ZONING	PCD	
AREA		SF	ACRES	%		FLU	COM	
TOTAL SITE AREA*		48,883 SF	(1.12 A.C.)	(100%)		USE	RES	
OPEN SPACE AREA		13,967 SF	(0.32 A.C.)	(28.6%)		TYPE OF CONSTRUCTION	ON COM	
BUILDING AREA		4,151 SF	(0.09 A.C.)	(8.5%)		THE OF CONSTRUCTION		
PAVEMENT/SIDEWA	LK AREA	30,765 SF	(0.71 A.C.)	(62.9%)		LOT		
TOTAL IMPERVIOUS	AREA	34,916 SF	(0.80 A.C.)	(71.4%)		SIZE		
	EXIS	TING SITE						
AREA		SF	ACRES	%		BUILDING		
TOTAL SITE AREA*		47,669 SF	(1.09 A.C.)	(100%)		SIZE		
OPEN SPACE AREA		13,861 SF	(0.32 A.C.)	(29.1%)		HEIGHT		
BUILDING AREA		4,565 SF	(0.10 A.C.)	(9.6%)		PARKING		
PAVEMENT/SIDEWA	LK AREA	29,243 SF	(0.67 A.C.)	(61.3%)				
TOTAL IMPERVIOUS	AREA	33,808 SF	(0.77 A.C.)	(70.9%)		STALL SIZE		
TOTAL SITE AREA EXCLUDES PLAYGROUND AREA		REA PER CON	MENT #3	8	STANDARD SPACES			
OF DRC REVIEW #1.			<u></u>	(HANDICAP SPACES			
PARKING CALCULAT		TIONS		$ \cdot $	BIKE SPACES			
USE	AREA	RATIO	REQUIRED) SPACES				
EMPLOYEE AREA	2,139 SF	1/235 SF				BUILE	ING	
PATRON AREA	2,012 SF	BUILDING ARE				SETBACKS	R	
TOTAL PARKING REQ	TOTAL PARKING REQUIRED (4,151 SF BUILDING)) 18	18		FRONT (WEST)		
TOTAL PARKING PRO	VIDED		55	5		LEFT SIDE (NORTH)		
			PROV	'IDED		RIGHT SIDE (SOUTH)		
				1050	1)			

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	52		
HANDICAP SPACES	3		
BIKE SPACES	5		

<				
<)	BUIL	DING SETBA	CKS
)	SETBACKS	REQUIRED	PROVIDED
)	FRONT (WEST)	50'	103.3'
\		LEFT SIDE (NORTH)	40'	95.5'
<		RIGHT SIDE (SOUTH)	30'	29.0'
<	'	REAR (EAST)	30'	58.3'
)				



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

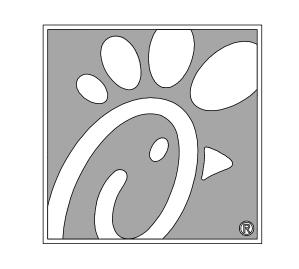
CONST. CONCRETE SIDEWALK PER FDOT STANDARD PLANS INDEX 522-001

CONST. PAVEMENT MARKINGS PER FDOT STANDARD PLANS INDEX 711-001

CONST. 25 LF OF 6" SOLID DOUBLE WHITE PAVEMENT MARKING

CONST. TYPE F CONCRETE CURB PER FDOT STANDARD PLANS INDEX 520-001

58 CONNECT TO EXISTING SIDEWALK





5200 Buffington Rd. Atlanta Georgia, 30349-2998

ONSULTING Dertificate of Authorization License No. 30467 13450 Sunrise Blvd., Suite 320 Phone: (954) 314-8466

© Bowman Consulting Group, Ltd.

WILLIAM PFEFFER, P.E. LICENSE NO. 73058 10/2/2018

FSR# 03841

DESCRIPTION 9/25/18

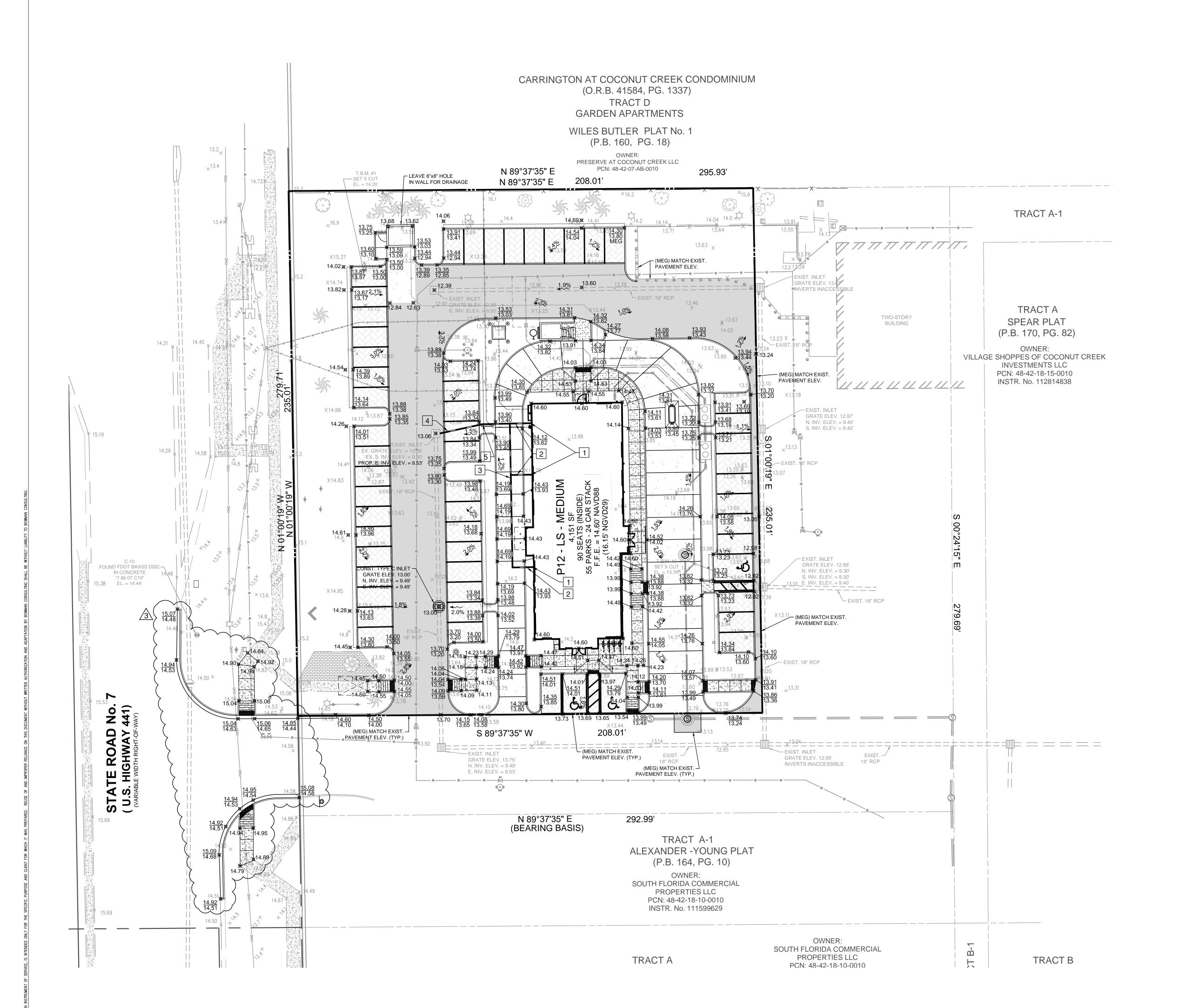
REVISED SITE PERMIT SUBMITTA FDOT & DRC

CURRENT DESIGN NOTE APPLIED
PROJECT#
PRINTED FOR
DATE
DRAWN BY
Information contained on this drawir produced for above named project rany manner without express written authorized project representatives.
SHEET

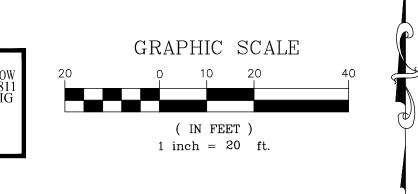
Ш

Ш 2017-029 010014-01-034 **PERMIT REVIEW** 10/2/2018 ving and in all digital files t may not be reproduced in en or verbal consent from

SHEET NUMBER







	LEG	END	
PROPOSED ASPHALT DRIVE		EXISTING CONCRETE	
PROPOSED CONC. SIDEWALK		EXISTING DRAINAGE STRUCTURE	
PROPOSED CONC. DRIVE		EXISTING HYDRANT	——————————————————————————————————————
PROPOSED DUMPSTER PAD	A A A A	EXISTING WATER VALVE	H
SETBACK/BUFFER LINE		EXISTING GRADE	88.6
PROPOSED PROPERTY LINE PROPOSED TYPE "D" CURB		EXISTING DRAINAGE PIPE	===:
PROPOSED DRAINAGE ARROW	1.2%	EXISTING SEWER MANHOLE	S
PROPOSED SPOT ELEVATION	∞ 7.24	EXISTING STORM MANHOLE	D
PROPOSED CURB ELEVATION			
PROPOSED HIGH POINT	HP		
PROPOSED LOW POINT	LP		
MEET EXISTING GRADE	MEG		
PROPOSED LIGHT POLE	¤ □ >		

PAVING AND GRADING NOTES

- 1. 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.
- 2. 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.
- 3. 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 160.

4. 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. 5. 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 427937-1-52-01 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)

"BM-12"
F.D.O.T. BRASS DISC IN CONCRETE STAMPED "7 86 07 B12"

6. ELEVATION DATUM CONVERSION NAVD TO NGVD = +1.55'

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

SITE CALCULATIONS					
PROPO:	SED SITE				
AREA	SF	ACRES	%		
TOTAL SITE AREA*	47,669 SF	(1.09 A.C.)	(100%)		
OPEN SPACE AREA	13,603 SF	(0.31 A.C.)	(28.5%)		
BUILDING AREA	4,151 SF	(0.10 A.C.)	(8.7%)		
PAVEMENT/SIDEWALK AREA	29,915 SF	(0.68 A.C.)	(62.8%)		
TOTAL IMPERVIOUS AREA	34,066 SF	(0.78 A.C.)	(71.5%)		
EXISTI	NG SITE				
AREA	SF	ACRES	%		
TOTAL SITE AREA*	47,669 SF	(1.09 A.C.)	(100%)		
OPEN SPACE AREA	19,617 SF	(0.45 A.C.)	(41.2%)		
TOTAL IMPERVIOUS AREA	28,052 SF	(0.64 A.C.)	(58.8%)		
TOTAL SITE AREA EXCLUDES PL	AYGROUND A	REA PER COM	MENT		

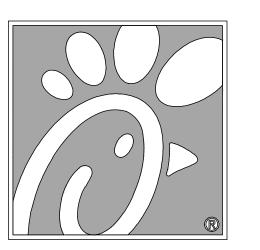
* TOTAL SITE AREA EXCLUDES PLAYGROUND AREA PER COMMENT #38 OF DRC REVIEW #1.

DRAINAGE NOTES

1 CONNECT TO ROOF DOWNSPOUTS INV. EL. = 10.17'

3 CONST. 64 LF OF 6" PVC @ 0% SLOPE

4 CONST. 32 LF OF 6" PVC @ 2% SLOPE 5 CONST. 6"-11.25° BEND 2 CONST. 9 LF OF 6" PVC @ 0% SLOPE





5200 Buffington Rd. Atlanta Georgia, 30349-2998

C O N S U L T I N G

Certificate of Authorization License No. 30462
13450 Sunrise Blvd., Suite 320 Phone: (954) 314-8466

www.bowmanconsulting.com

© Bowman Consulting Group, Ltd.

WILLIAM PFEFFER, P.E. LICENSE NO. 73058

10/2/2018

FSR# 03841

DESCRIPTION REVISED SITE PERMIT SUBMITTAL FDOT & DRC <u>3</u> 9/25/18

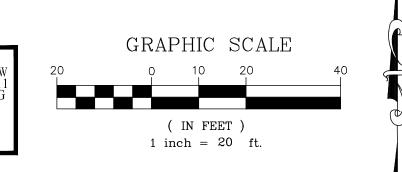
GRADING AND DRAINAGE

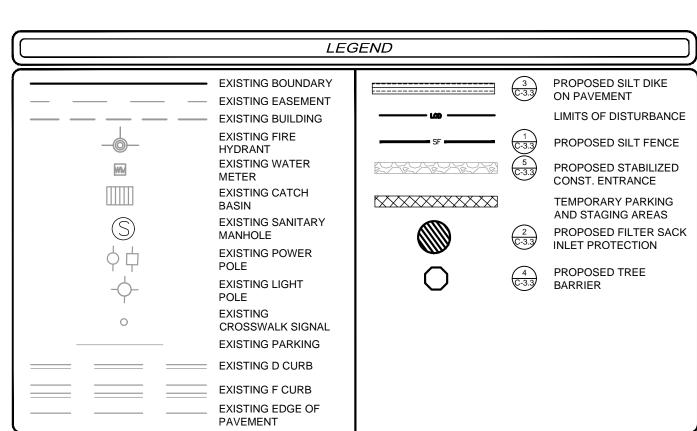
PLAN

2017-029 NOTE APPLIED PROJECT# 010014-01-034 PRINTED FOR 10/2/2018

SHEET NUMBER







CONSTRUCTION SEQUENCE

1. CONDUCT PRE-CONSTRUCTION MEETING WITH THE CITY TO DISCUSS EROSION AND SEDIMENT CONTROLS AND CONSTRUCTION PHASING. 2. INSTALL STABILIZED CONSTRUCTION EXIT AND POST SWPPP AND SITE COMPLIANCE SIGNAGE

TRAFFIC AND PEDESTRIAN CONTROL DEVICES.

PUBLICLY VISIBLE. 3. INSTALL INLET PROTECTION, SILT DIKES, AND SILT FENCE ON THE SITE AS SHOWN WITHIN THE CONSTRUCTION LIMITS. 4. INSTALL CONSTRUCTION FENCES AND TEMPORARY

5. PREPARE TEMPORARY PARKING AND STORAGE 6. DEMO EXISTING STRUCTURES, PAVEMENT, AND SPECIFIED UTILITIES.

7. BEGIN GRADING THE SITE. 8. BEGIN CONSTRUCTION OF UTILITIES. 9. BEGIN SUBGRADE PREPARATION AND CONSTRUCTION OF STRUCTURES.

10. BEGIN INSTALLATION OF CURB, GUTTER, AND 11. COMPLETE PERMANENT STABILIZATION ON AREAS WHERE CONSTRUCTION HAS COMPLETED. 12. COMPLETE FINAL GRADING AND INSTALLATION OF

PERMANENT STABILIZATION OVER ALL AREAS. 13. OBTAIN CONCURRENCE FROM THE OWNER AND THE CITY THAT THE SITE HAS BEEN FULLY STABILIZED. 14. REMOVE ALL REMAINING TEMPORARY EROSION

AND SEDIMENT CONTROL DEVICES.

15. STABILIZE ALL AREAS DISTURBED BY BMP

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.

BMP MAINTENANCE NOTES

ALL MEASURES STATED ON THESE PLANS SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A GENERIC PERMIT, AND REPAIRED IN ACCORDANCE WITH THE

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF DETERIORATION.

2. ALL SEEDED/SODDED AREAS SHALL BE CHECKED REGULARLY TO

3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT

4. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF SEDIMENT FROM THE SITE. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE

5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN A GOOD CONDITION. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE AREA AS CONDITIONS DEMAND.

GENERAL NOTES

- 1. 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.
- 2. PERMIT FOR ANY CONSTRUCTION ACTIVITY MUST BE MAINTAINED ON SITE AT ALL TIMES.
- 4. 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.
- 6. 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.
- 7. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST
- 8. 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.
- 9. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE, SHALL BE INITIATED AS SOON AS
- TEMPORARILY SEEDED.
- 11. 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
- 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.
- 15. ON-SITE AND OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH
- 16. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- 18. CONTRACTOR SHALL DESIGNATE/IDENTIFY AREAS INSIDE THE LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND
- 20. ALL EXISTING SIGNALIZATION EQUIPMENT TO REMAIN IS ASSUMED TO BE IN GOOD WORKING ORDER UNLESS BCTED 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.

COMPLETED PHASE OF WORK OF FINAL STABILIZATION OF THE SITE. QUALIFIED PERSON IN ACCORDANCE WITH THE CONSTRUCTION FDEP

SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHALL BE FERTILIZED, WATERED AND REPAIRED AS NEEDED.

FENCE WHEN IT REACHES ONE-HALF THE HEIGHT OF THE FENCE.

EXIT AS CONDITIONS DEMAND.

6. PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF

DEBRIS. ANY DEBRIS AND/OR SEDIMENT LEAVING THE SITE SHALL BE CLEANED IMMEDIATELY. 7. ALL INLETS AND STORM DRAINS SHALL BE KEPT CLEAN OF DEBRIS AND SEDIMENT. ANY DEBRIS AND/OR SEDIMENT THAT ENTERS

ANY INLET OR STORM DRAIN SHALL BE CLEANED IMMEDIATELY.

FLUSHING SHALL NOT BE USED TO CLEAN DEBRIS AND/OR

SEDIMENT FROM STORM DRAINS.

3. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE FDEP GENERIC PERMIT.

5. ALL WASH WATER SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.

SUPPRESSION OPERATIONS IS PROHIBITED.

10. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY STOPPED FOR AT LEAST 7 DAYS, SHALL BE

OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN. 12. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE

13. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE

14. 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.

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.

17. 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.

19. 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.

FSR# 03841

5200 Buffington Rd.

Atlanta Georgia,

30349-2998

CONSULTING

Certificate of Authorization License No. 30462 13450 Sunrise Blvd., Suite 320

Phone: (954) 314-8466

www.bowmanconsulting.com © Bowman Consulting Group, Ltd.

WILLIAM PFEFFER, P.E.

LICENSE NO. 73058

10/2/2018

REVISED SITE PERMIT SUBMITTAL FDOT & DRC 9/25/18

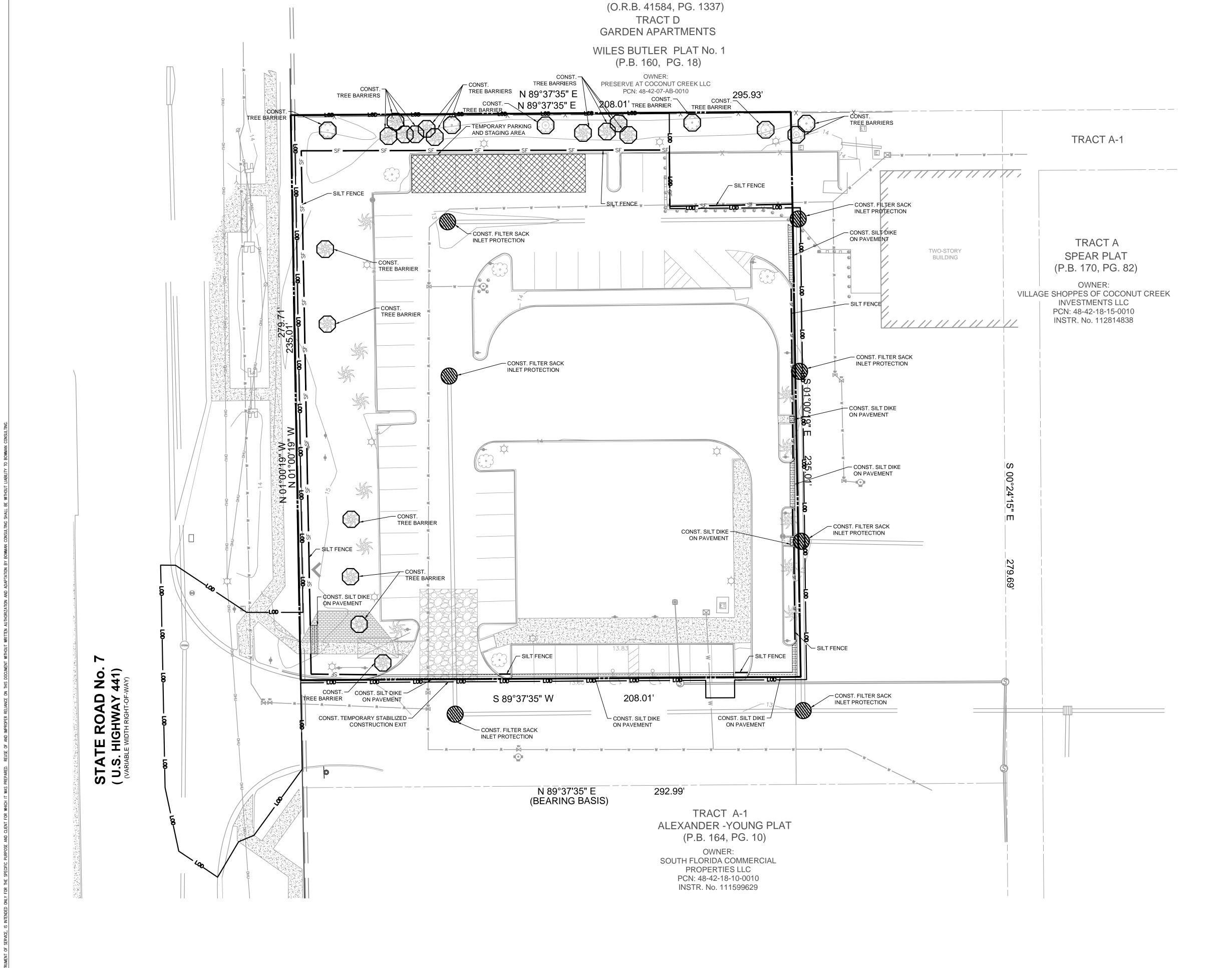
DESCRIPTION

<u>_</u>

PROJECT# 010014-01-034 PRINTED FOR 10/2/2018 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

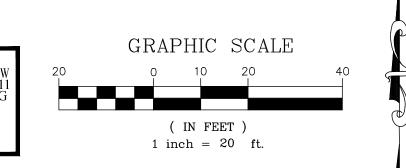
EROSION CONTROL PLAN -PHASE I

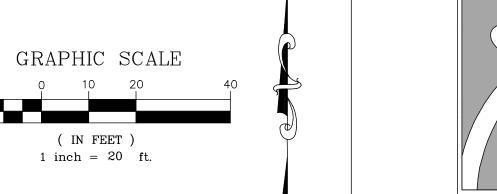
SHEET NUMBER

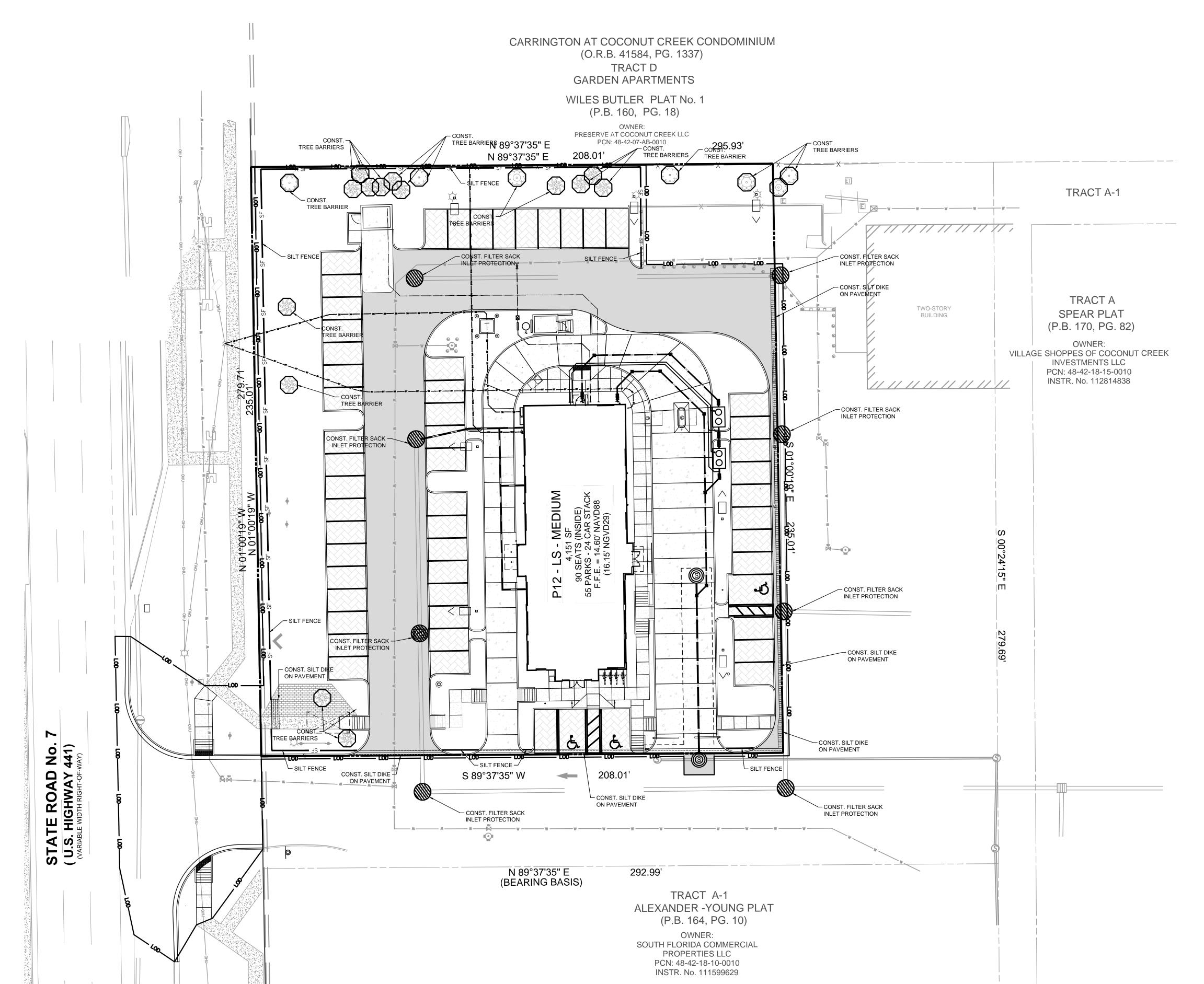


CARRINGTON AT COCONUT CREEK CONDOMINIUM









LEG	SEND		
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		3 (333) (1333) (533) (533) (233) (233) (433)	PROPOSED TYPE F CURB AND GUTTER PROPOSED TYPE "D" CURB PROPOSED TYPE "C" INLET PROPOSED CURB INLET PROPOSED SILT DIKE ON PAVEMENT LIMITS OF DISTURBANCE PROPOSED SILT FENCE PROPOSED STABILIZED CONST. ENTRANCE TEMPORARY PARKING AND STAGING AREAS PROPOSED FILTER SACK INLET PROTECTION PROPOSED TREE BARRIER PROPOSED LIGHT POLE

CONSTRUCTION SEQUENCE

1. CONDUCT PRE-CONSTRUCTION MEETING WITH THE CITY TO DISCUSS EROSION AND SEDIMENT CONTROLS AND CONSTRUCTION PHASING. 2. INSTALL STABILIZED CONSTRUCTION EXIT AND POST SWPPP AND SITE COMPLIANCE SIGNAGE PUBLICLY

- 3. INSTALL INLET PROTECTION, SILT DIKES, AND SILT FENCE ON THE SITE AS SHOWN WITHIN THE
- CONSTRUCTION LIMITS. 4. INSTALL CONSTRUCTION FENCES AND TEMPORARY
- TRAFFIC AND PEDESTRIAN CONTROL DEVICES. 5. PREPARE TEMPORARY PARKING AND STORAGE
- 6. DEMO EXISTING STRUCTURES, PAVEMENT, AND SPECIFIED UTILITIES. . BEGIN GRADING THE SITE.
- 8. BEGIN CONSTRUCTION OF UTILITIES. 9. BEGIN SUBGRADE PREPARATION AND CONSTRUCTION OF STRUCTURES.
- 10. BEGIN INSTALLATION OF CURB, GUTTER, AND
- 11. COMPLETE PERMANENT STABILIZATION ON AREAS WHERE CONSTRUCTION HAS COMPLETED. 12. COMPLETE FINAL GRADING AND INSTALLATION OF
- PERMANENT STABILIZATION OVER ALL AREAS. 13. OBTAIN CONCURRENCE FROM THE OWNER AND THE CITY THAT THE SITE HAS BEEN FULLY STABILIZED. 14. REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES.
- 15. 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.

BMP MAINTENANCE NOTES

BE CLEANED IMMEDIATELY.

ALL MEASURES STATED ON THESE PLANS SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR COMPLETED PHASE OF WORK OF FINAL STABILIZATION OF THE SITE. SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONSTRUCTION FDEP GENERIC PERMIT, AND REPAIRED IN ACCORDANCE WITH THE

- 1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF DETERIORATION.
- 2. ALL SEEDED/SODDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHALL BE FERTILIZED, WATERED AND REPAIRED AS NEEDED.
- 3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCE WHEN IT REACHES ONE-HALF THE HEIGHT OF THE FENCE.

4. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION

SITE. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE EXIT AS CONDITIONS DEMAND. 5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN

A GOOD CONDITION. THIS MAY REQUIRE PERIODIC TOP DRESSING

WHICH WILL PREVENT TRACKING OR FLOW OF SEDIMENT FROM THE

- OF THE AREA AS CONDITIONS DEMAND. 6. PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS. ANY DEBRIS AND/OR SEDIMENT LEAVING THE SITE SHALL
- 7. ALL INLETS AND STORM DRAINS SHALL BE KEPT CLEAN OF DEBRIS AND SEDIMENT. ANY DEBRIS AND/OR SEDIMENT THAT ENTERS ANY INLET OR STORM DRAIN SHALL BE CLEANED IMMEDIATELY. FLUSHING SHALL NOT BE USED TO CLEAN DEBRIS AND/OR SEDIMENT FROM STORM DRAINS.

GENERAL NOTES

- 1. 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.
- 2. PERMIT FOR ANY CONSTRUCTION ACTIVITY MUST BE MAINTAINED ON SITE AT ALL TIMES.
- 3. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE FDEP GENERIC PERMIT. 4. 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. 5. ALL WASH WATER SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- 6. 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.
- 7. 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.
- 8. 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
- 9. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE, SHALL BE INITIATED AS SOON AS
- 10. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY STOPPED FOR AT LEAST 7 DAYS, SHALL BE
- 11. 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.
- 12. 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.
- 13. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE
- 14. 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.

- 15. ON-SITE AND OFFSITE 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.
- 16. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- 17. 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.
- 18. CONTRACTOR SHALL DESIGNATE/IDENTIFY AREAS INSIDE THE LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE.
- 19. 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.
- 20. ALL EXISTING SIGNALIZATION EQUIPMENT TO REMAIN IS ASSUMED TO BE IN GOOD WORKING ORDER UNLESS BCTED IS NOTIFIED IN WRITING PRIOR TO THE START OF CONSTRUCTION. ANY SUBSEQUENT DAMAGE TO THE SIGNAL EQUIPMENT SHALL BE REPAIRED BY THE

Chich-Ring.
5200 Buffington Pd

5200 Buffington Rd. Atlanta Georgia, 30349-2998



Seal

WILLIAM PFEFFER, P.E. LICENSE NO. 73058 10/2/2018

FSR# 03841

DESCRIPTION REVISED SITE PERMIT SUBMITTAL FDOT & DRC 9/25/18

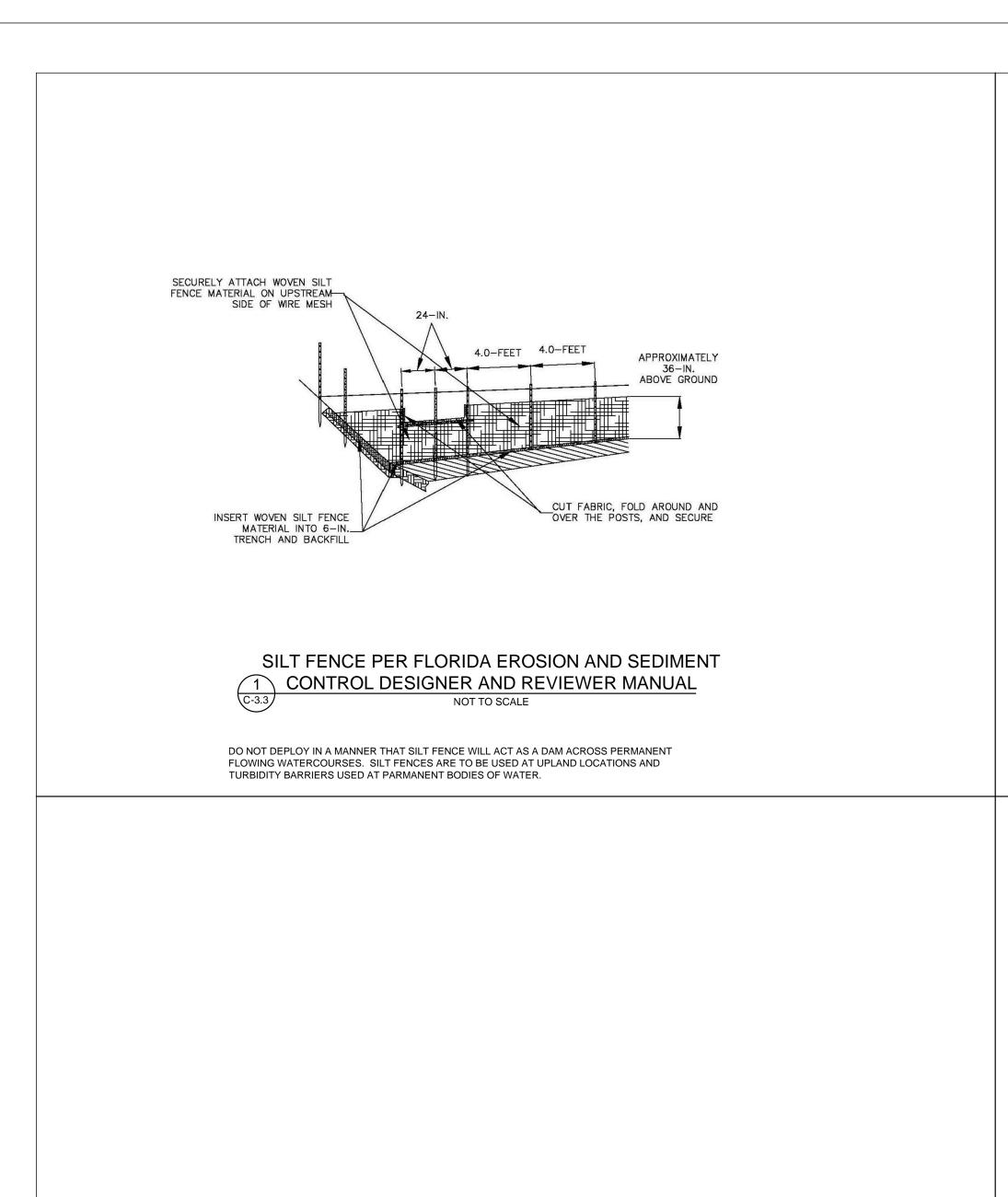
PROJECT#

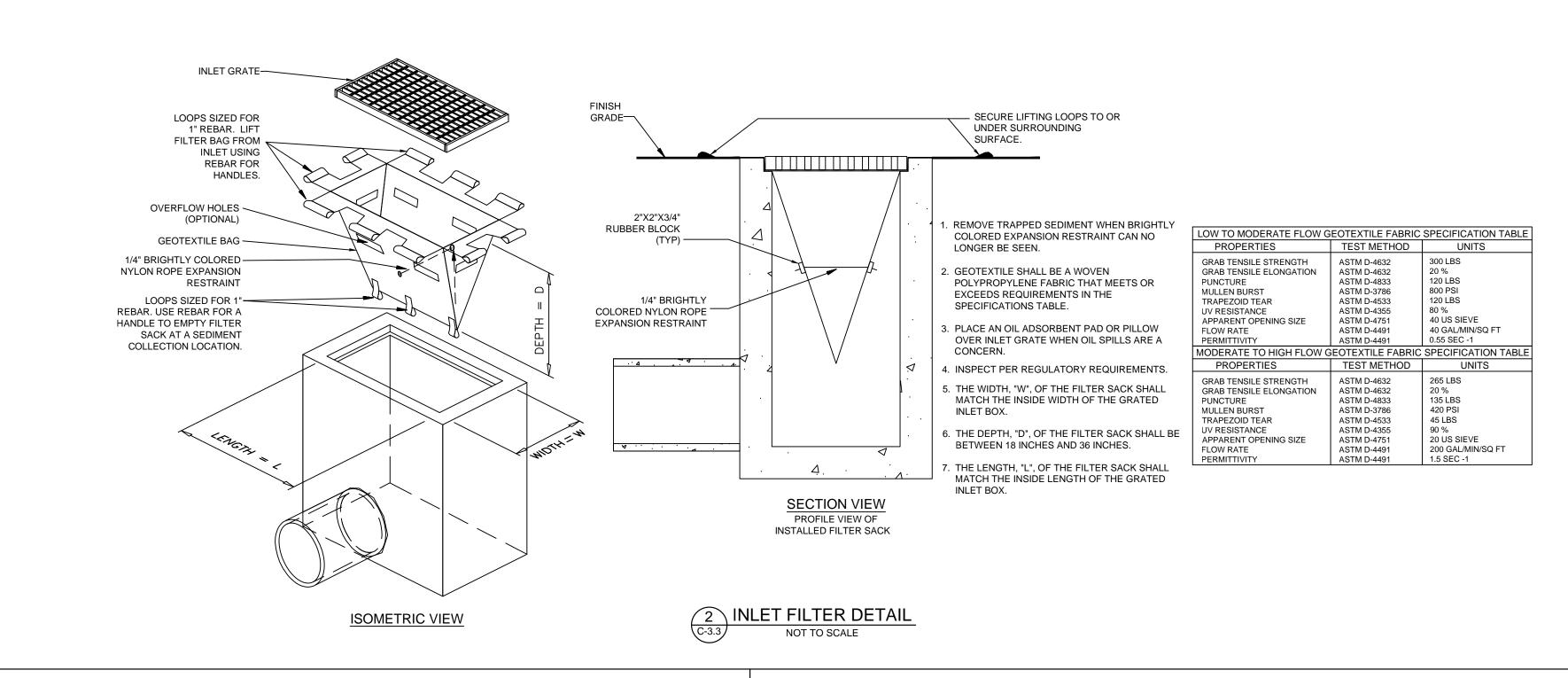
SHEET NUMBER

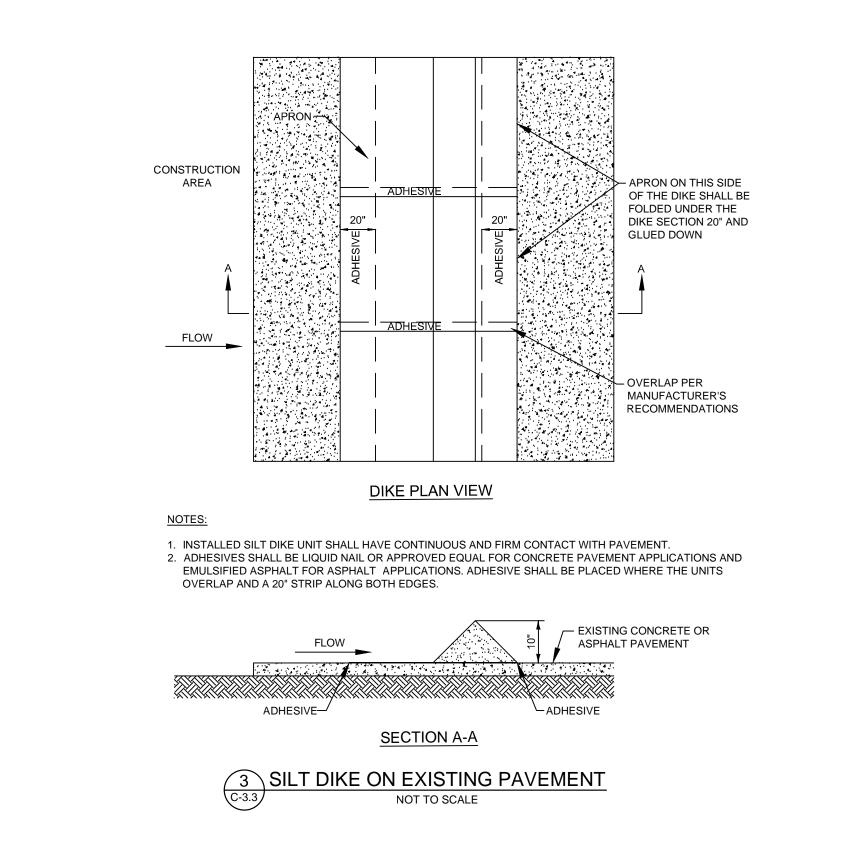
EROSION CONTROL PLAN -PHASE II

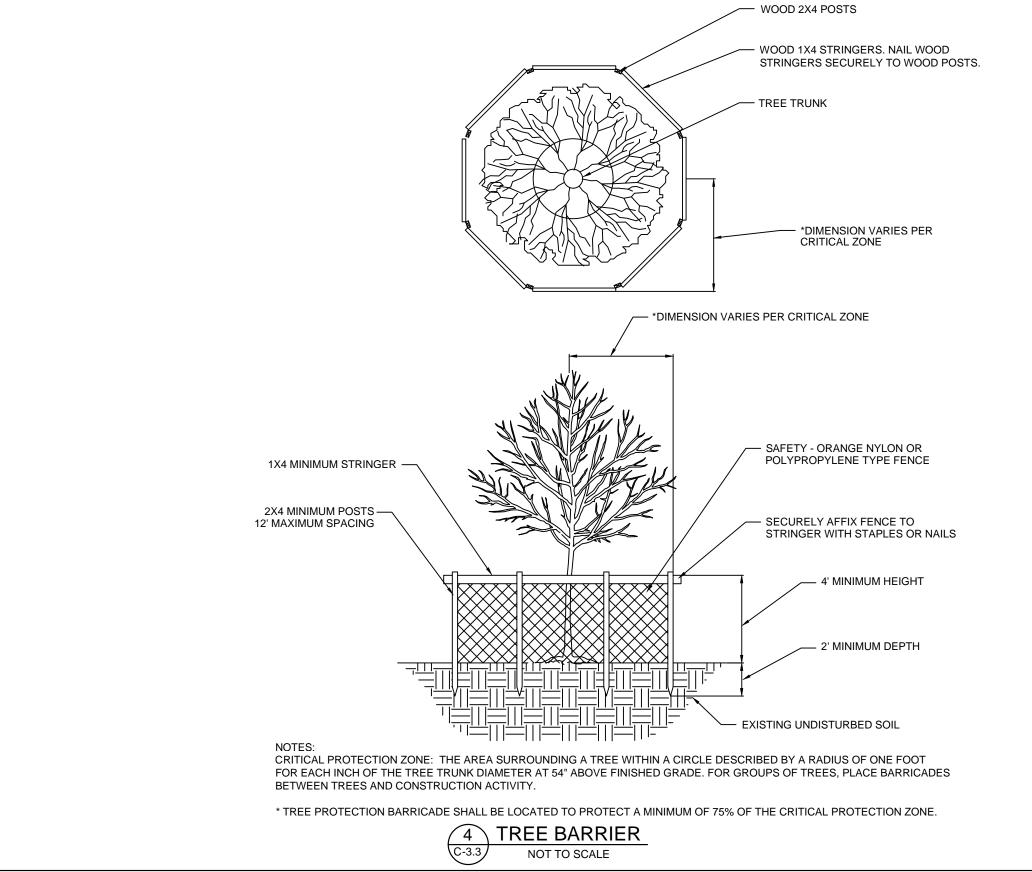
010014-01-034

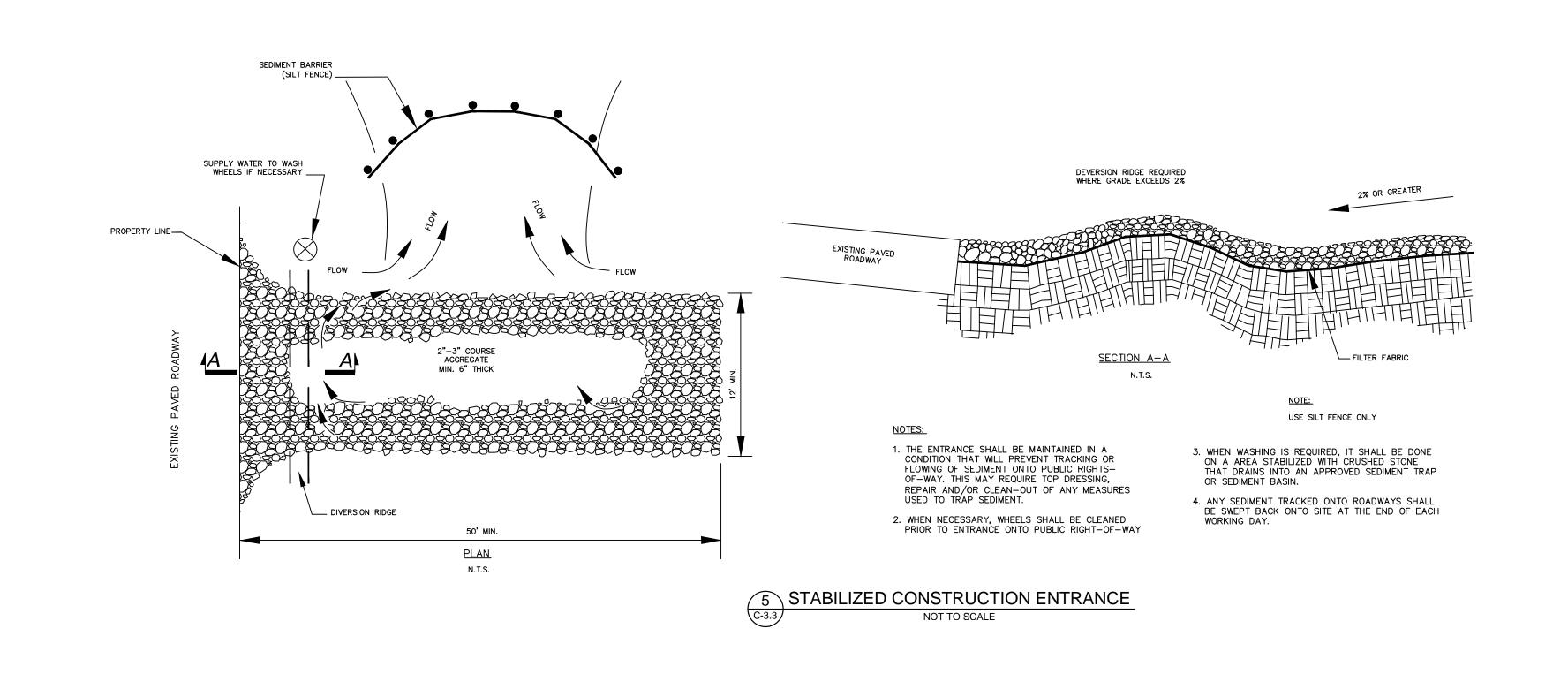
10/2/2018

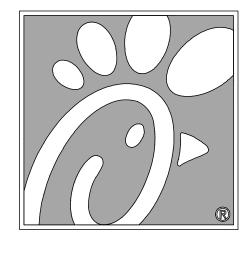














5200 Buffington Rd. Atlanta Georgia, 30349-2998



Seal

WILLIAM PFEFFER, P.E. LICENSE NO. 73058 10/2/2018

FSR# 03841

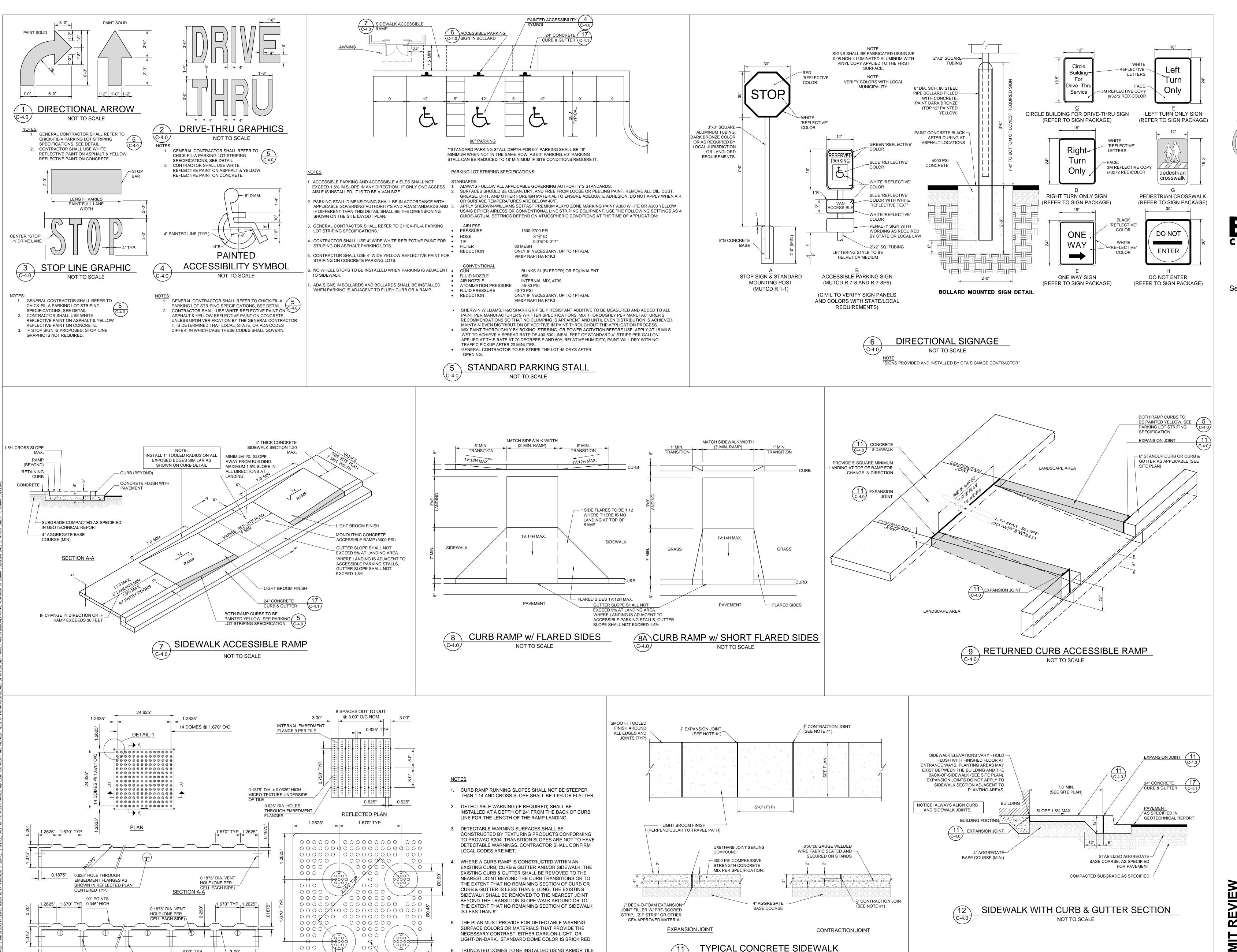
DESCRIPTION REVISED SITE PERMIT SUBMITTAL FDOT & DRC <u>3</u> 9/25/18

i	SHEET EROSI
	Information co produced for a any manner w authorized pro
-	DRAWN B
	DATE
	PRINTED F
.	PROJECT
! •	CURRENT NOTE APP
• •	

SHEET NUMBER

CURRENT DESIGN NOTE APPLIED	2017-02
PROJECT #	010014-01-03
PRINTED FOR	PERMIT REVIEW
DATE	10/2/2018
DRAWN BY	RM
produced for above named p	s drawing and in all digital files project may not be reproduced in written or verbal consent from atives.

C-3.3



6. TRUNCATED DOMES TO BE INSTALLED USING ARMOR TILE

ADA-2424 OR OTHER EQUIVALENT APPROVED MATERIAL.

SYSTEMS LANCE MITCHELL(919)622-4615 UNLESS PAVERS

CAST IN PLACE DOME TACTILE TILE. PART NUMBER

PREFERRED MANUFACTURER ARMOR TILE TACTILE

ARE REQUIRED, CONTRACTOR TO VERIFY THAT CURB

RAMPS MEET LOCAL CODES AND ADA REQUIREMENTS

C-4.0

NOT TO SCALE

1. JOINTS AT 5'-0" O.C. TOOLED $\frac{1}{2}$ " WIDE, 1" DEEP OR MAX. $\frac{D}{4}$ DEEP

VIEW JOINT PATTERN.

WHICHEVER IS GREATER. EXPANSION JOINTS AT 20' MAX. & ALL

P.C.s, UNLESS APPROVED OR INDICATED OTHERWISE ON PLAN

3.00" TYP.

INTERNAL EMBEDMENT

FLANGE @ 3" O/C (SEE

\PLAN FOR ORIENTATION)

NOTE: OPTIONAL

TRUNCATED DOMES - CAST IN PLACE

NOT TO SCALE

SOUND AMPLIFYING

PLATE ADDED BY

MANUFACTURER

0000 | | | | | 00000 \

FIELD LEVEL

MICRO-TEXTURE

41 POINTS PER SQUARE

0.1'

0.1875'

→ |-

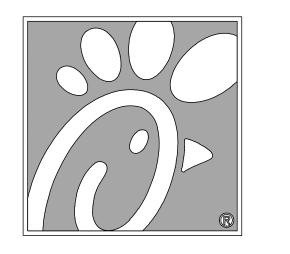
0.625" DIA. HOLE

REFLECTED PLAN

EMBEDMENT

FLANGES AS

SHOWN IN





5200 Buffington Rd. Atlanta Georgia,



© Bowman Consulting Group, Ltd.

WILLIAM PFEFFER, P.E. LICENSE NO. 73058

10/2/2018

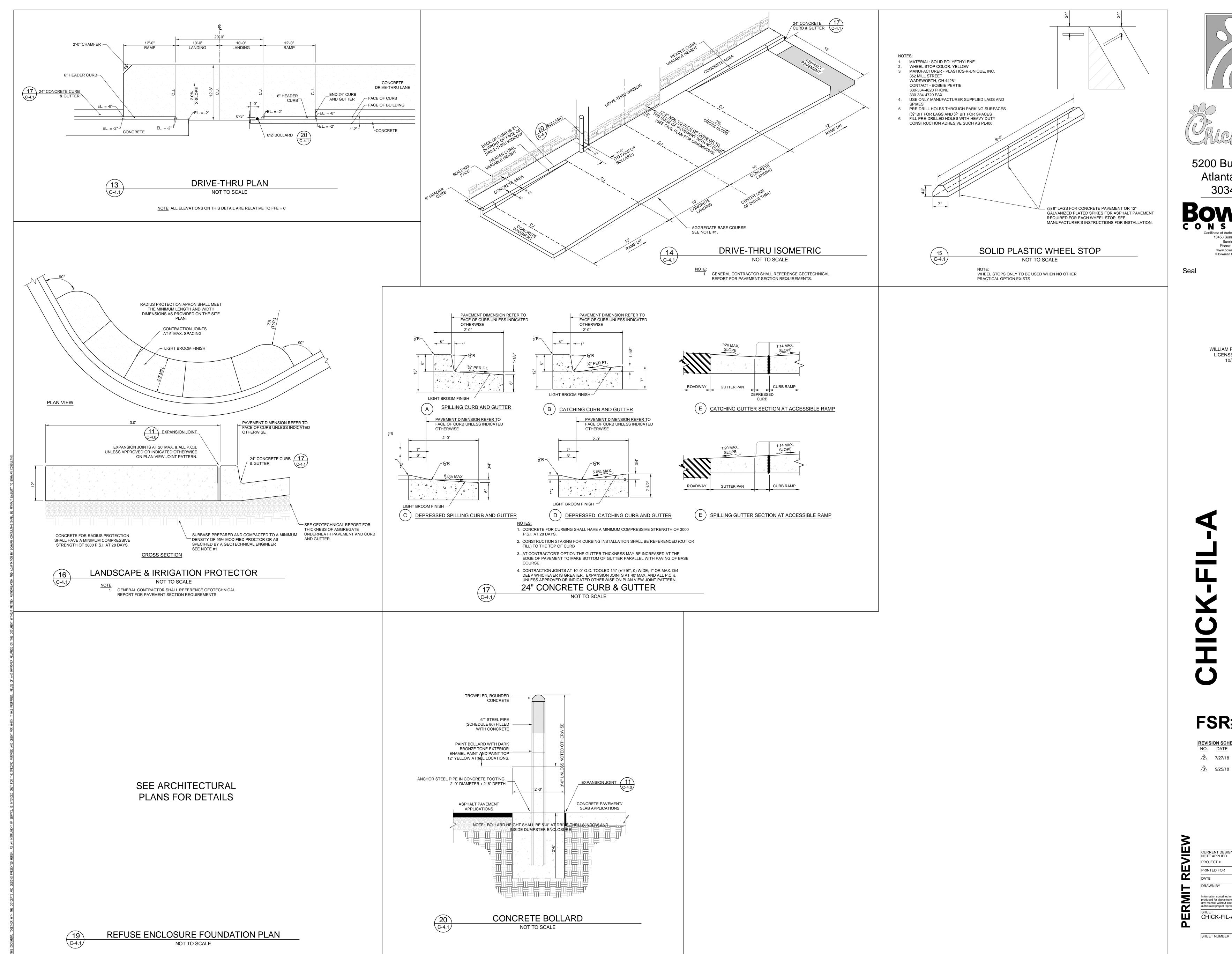
FSR# 03841

DESCRIPTION

REVISED SITE PERMIT SUBMITTA FDOT & DRC 9/25/18

URRENT DESIGN 2017-029 NOTE APPLIED PROJECT# 010014-01-034 PRINTED FOR PERMIT REVIEW DATE 10/2/2018 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 Ш

CHICK-FIL-A SITE DETAILS SHEET NUMBER





5200 Buffington Rd. Atlanta Georgia, 30349-2998

C O N S U L T I N G

Certificate of Authorization License No. 30462
13450 Sunrise Blvd., Suite 320 Phone: (954) 314-8466 www.bowmanconsulting.com © Bowman Consulting Group, Ltd.

> WILLIAM PFEFFER, P.E. LICENSE NO. 73058 10/2/2018

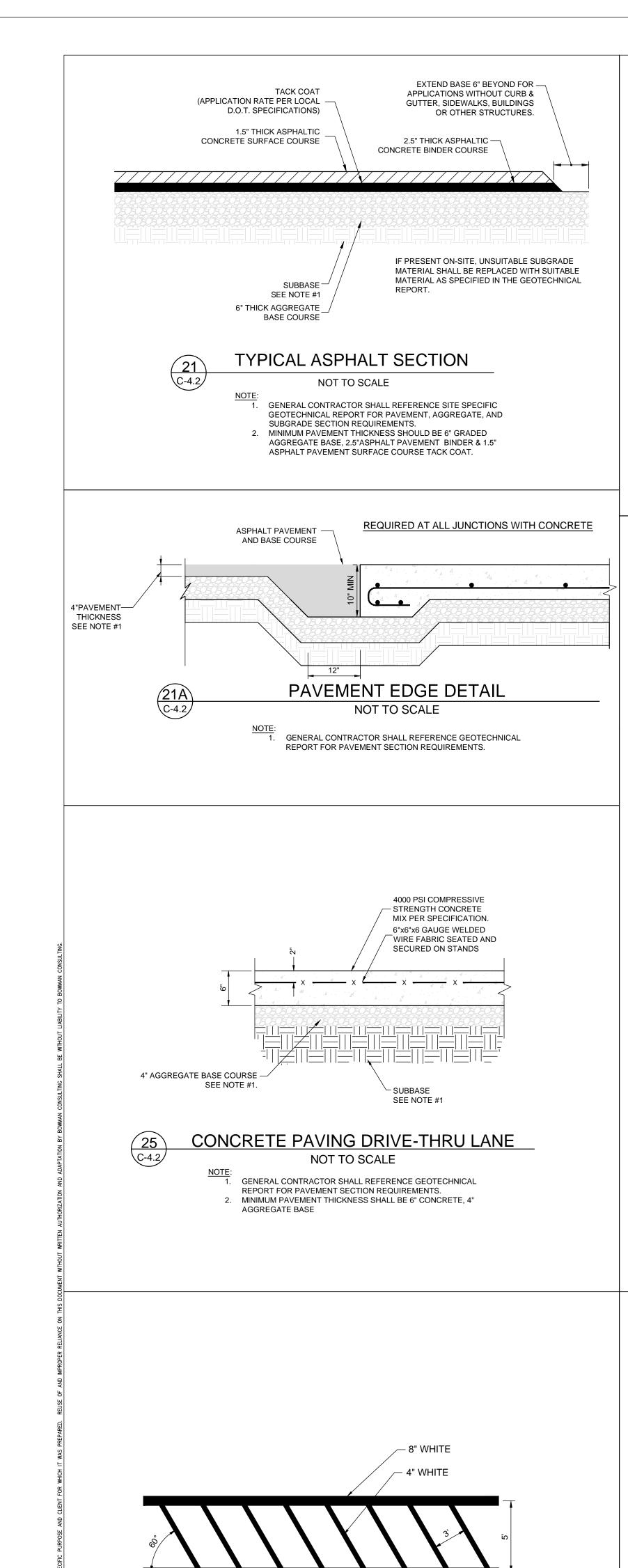
FSR# 03841

DESCRIPTION REVISED SITE PERMIT SUBMITTAL FDOT & DRC <u>3</u> 9/25/18

NOTE APPLIED PROJECT# PRINTED FOR

010014-01-034 **PERMIT REVIEW** 10/2/2018 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. CHICK-FIL-A SITE DETAILS

2017-029



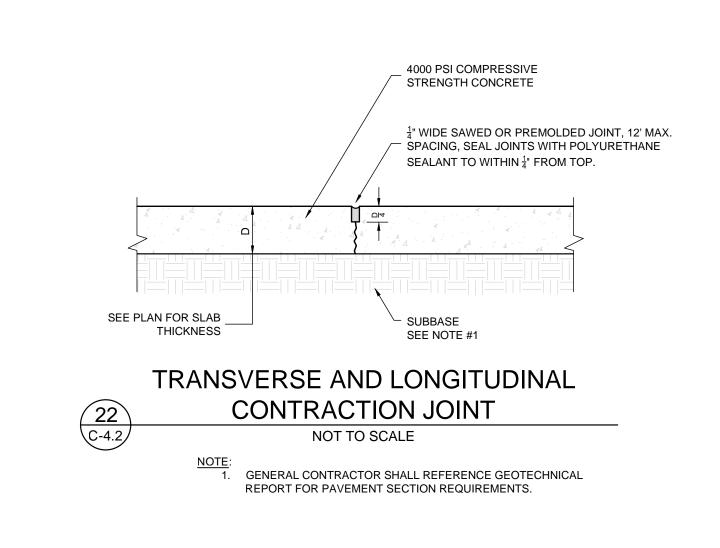
CROSSWALK DETAIL

NOT TO SCALE

MAINTAIN A CROSS SLOPE OF 1.5% MAX AND A

RUNNING SLOPE OF 5% MAX.

1. REFER TO PARKING LOT STRIPING SPECIFICATION (C.4.0.4 2. CROSSWALK ALONG AN ACCESSIBLE ROUTE SHALL



411 SPACING

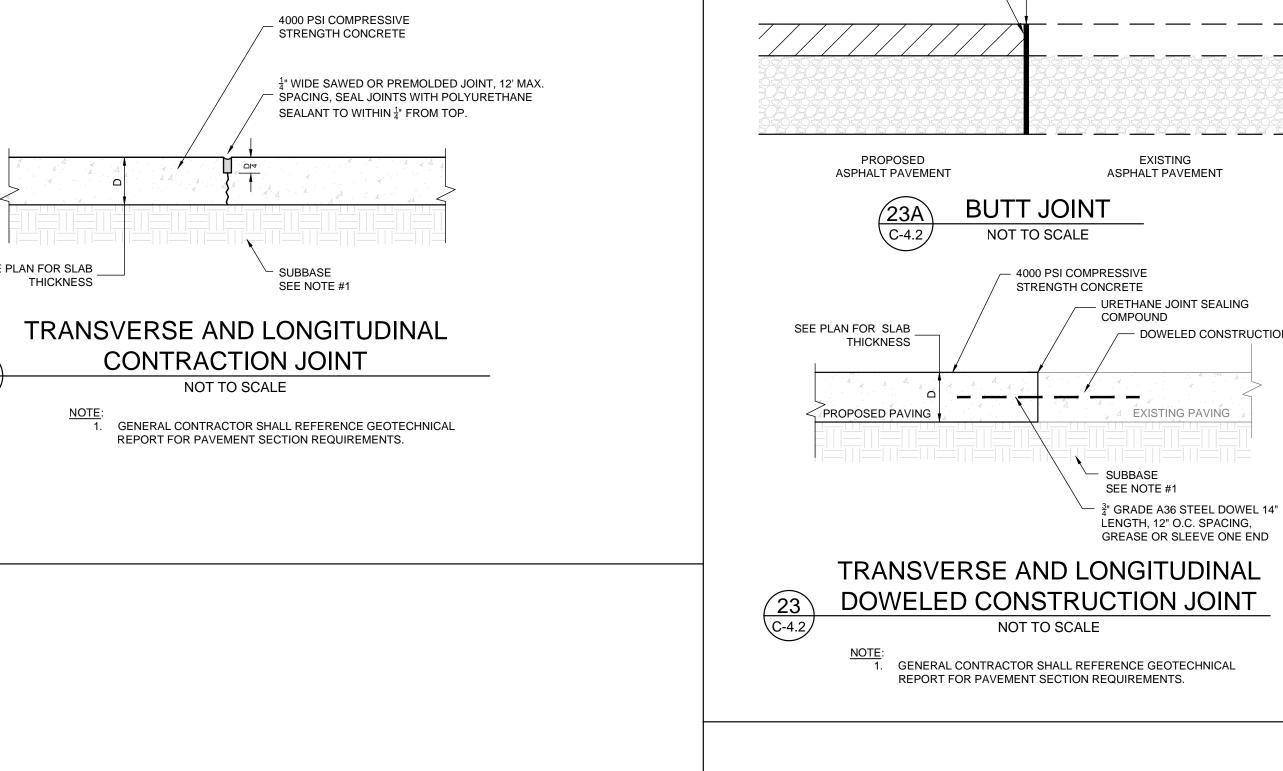
CONCRETE SIDEWALK

CIVIL TO COORDINATE WITH ARCHITECT

ALUMINUM HANDRAIL

NOT TO SCALE

(FULL DETAIL PROVIDED IN ARCHITECTURAL PLANS)



JOINT SEALANT

PAINT SOLID

MULTI-LANE SPLIT

27 C-4.2

PAINT SOLID

MULTI-LANE MERGE

MULTI-LANE DIRECTIONAL GRAPHICS

NOT TO SCALE

NOTES:

1. GENERAL CONTRACTOR SHALL REFER TO

SPECIFICATIONS, SEE DETAIL 2. CONTRACTOR SHALL USE WHITE

REFLECTIVE PAINT ON CONCRETE.

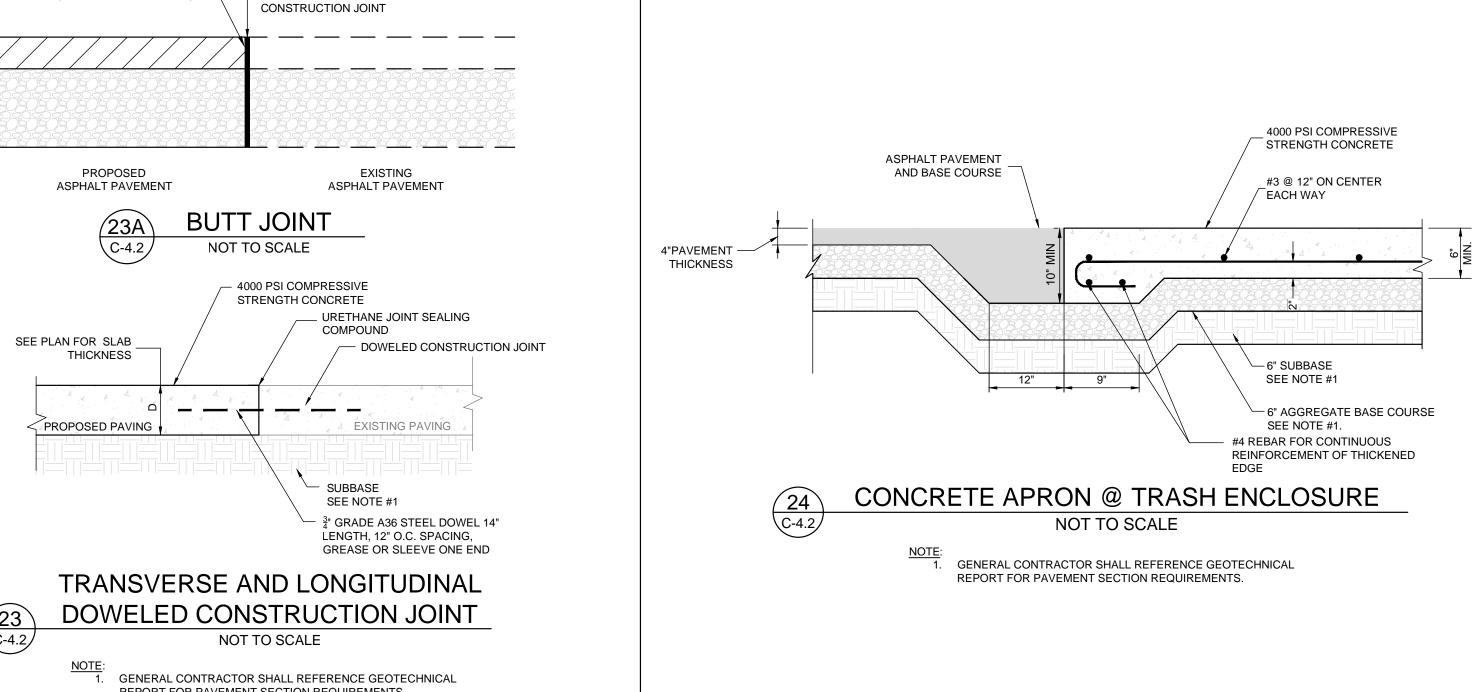
CHICK-FIL-A PARKING LOT STRIPING

REFLECTIVE PAINT ON ASPHALT & YELLOW

(AC-20, OR EQUIVALENT)

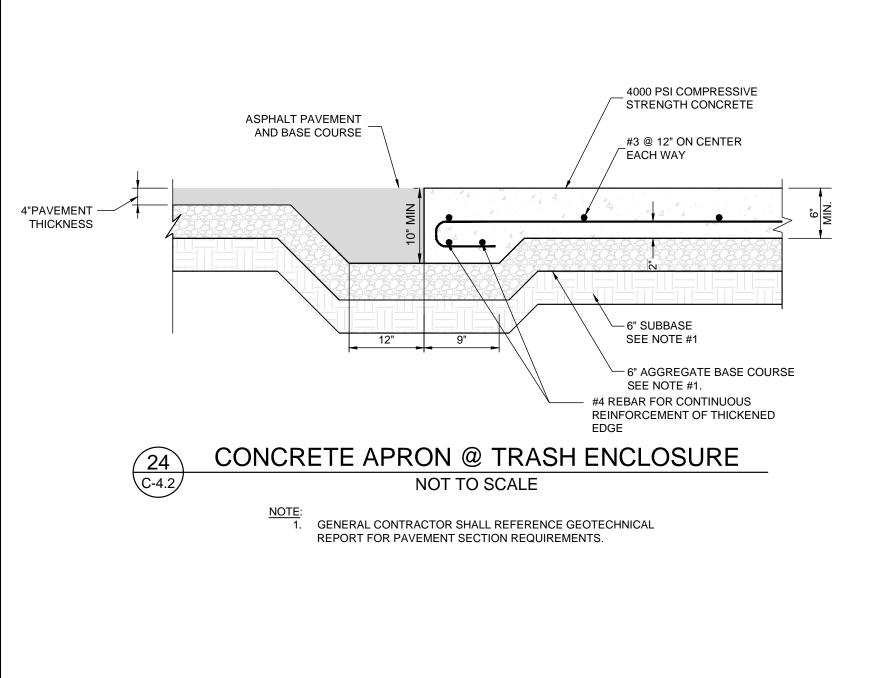
— SAWCUT EXISTING ASPHALT

FULL DEPTH FOR CLEAN



RESUME TYP.

CJ PATTERN



DIRECTION OF VEHICULAR FLOW

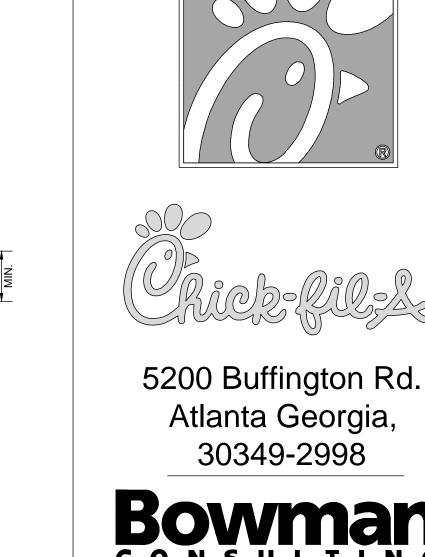
EXTEND CJ

PAINT FACE OF

CURB YELLOW

THROUGH CURB

ISLAND CURB PLAN



Certificate of Authorization License No. 3046 13450 Sunrise Blvd., Suite 320

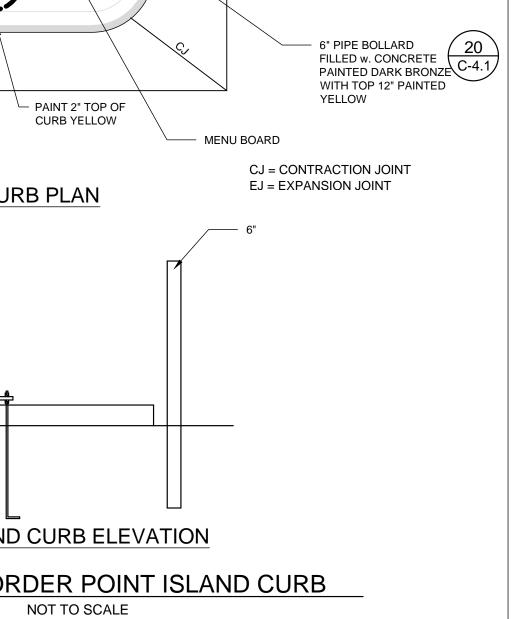
Phone: (954) 314-8466

© Bowman Consulting Group, Ltd.

www.bowmanconsulting.com

WILLIAM PFEFFER, P.E. 10/2/2018

LICENSE NO. 73058

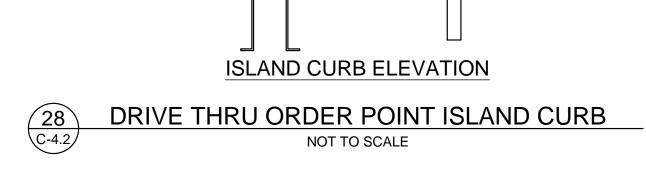


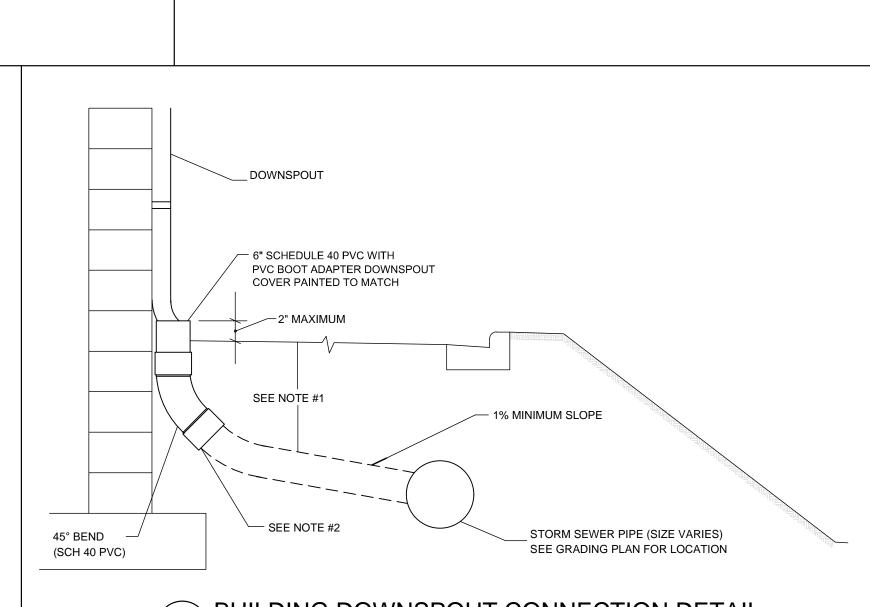
CANOPY ABOVE

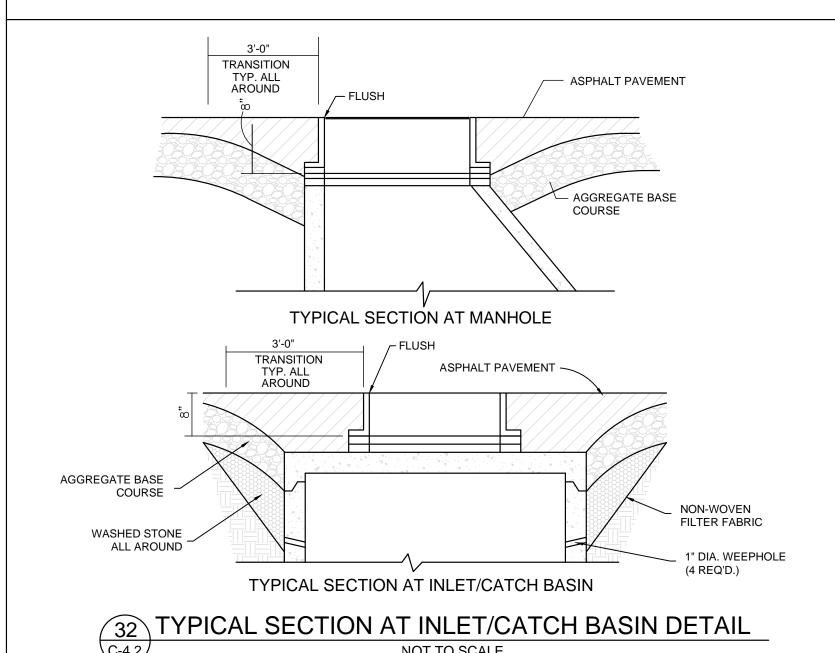
RESUME TYP.

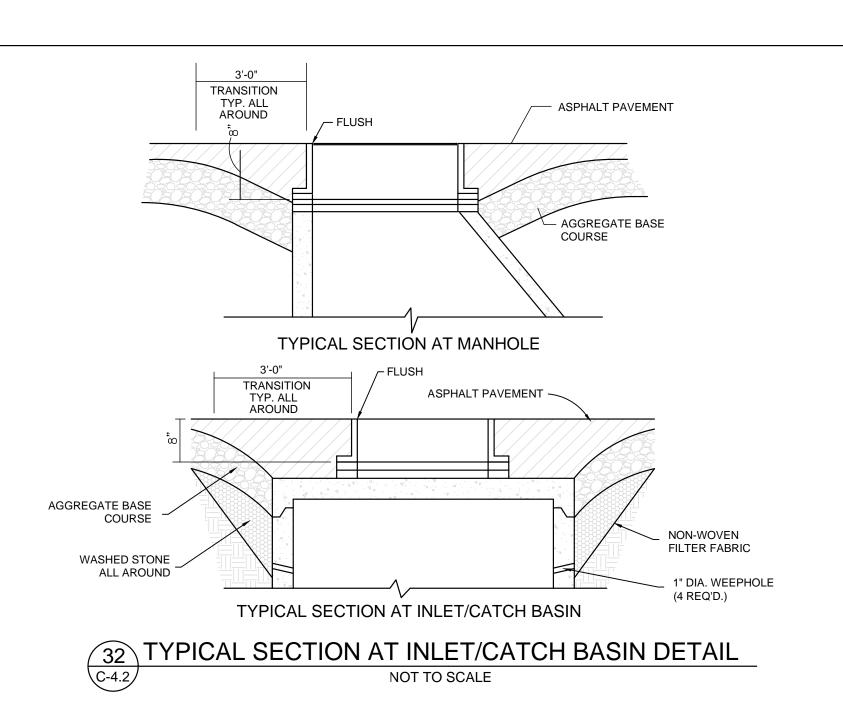
CJ PATTERN

CONCRETE SLAB POURED WITH ISLAND





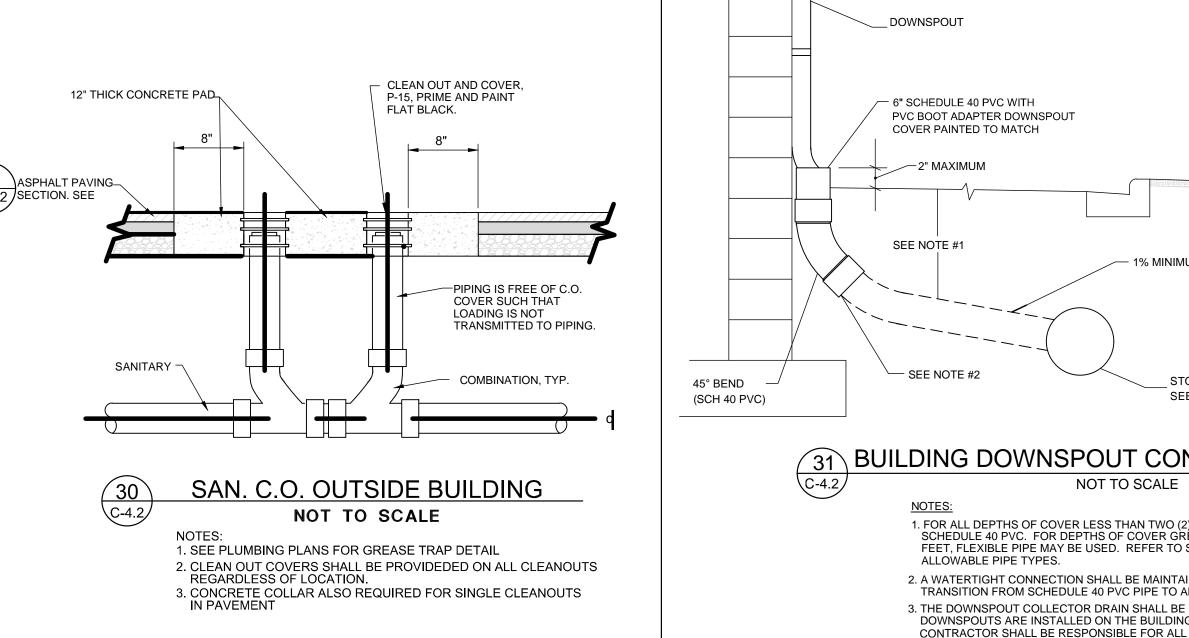


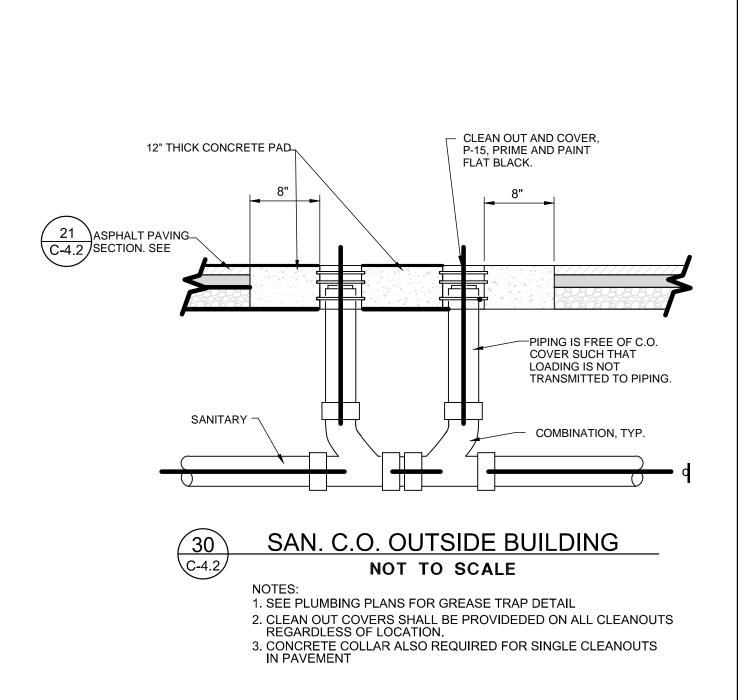


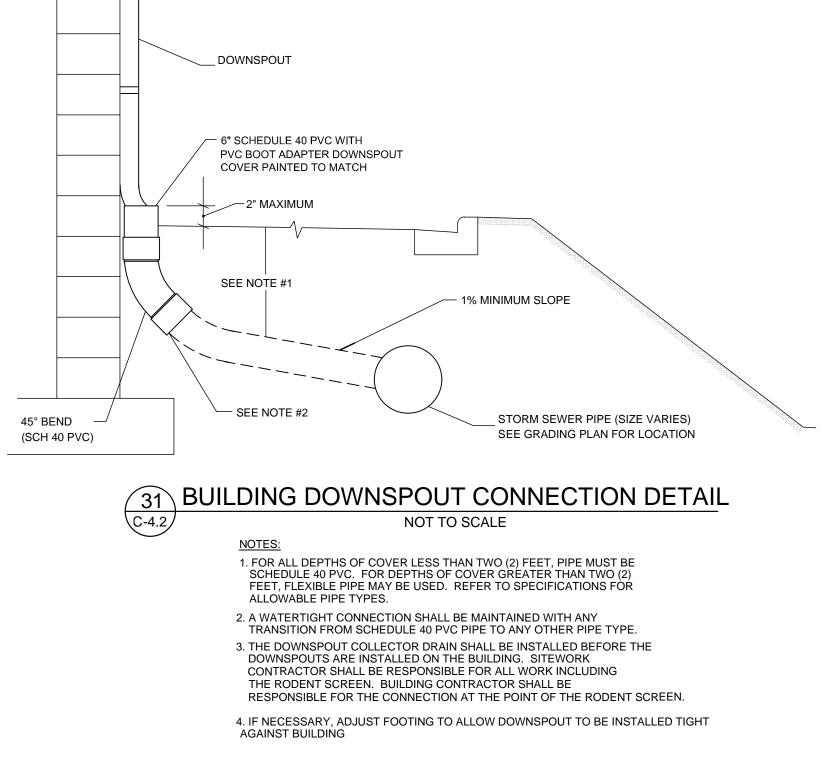


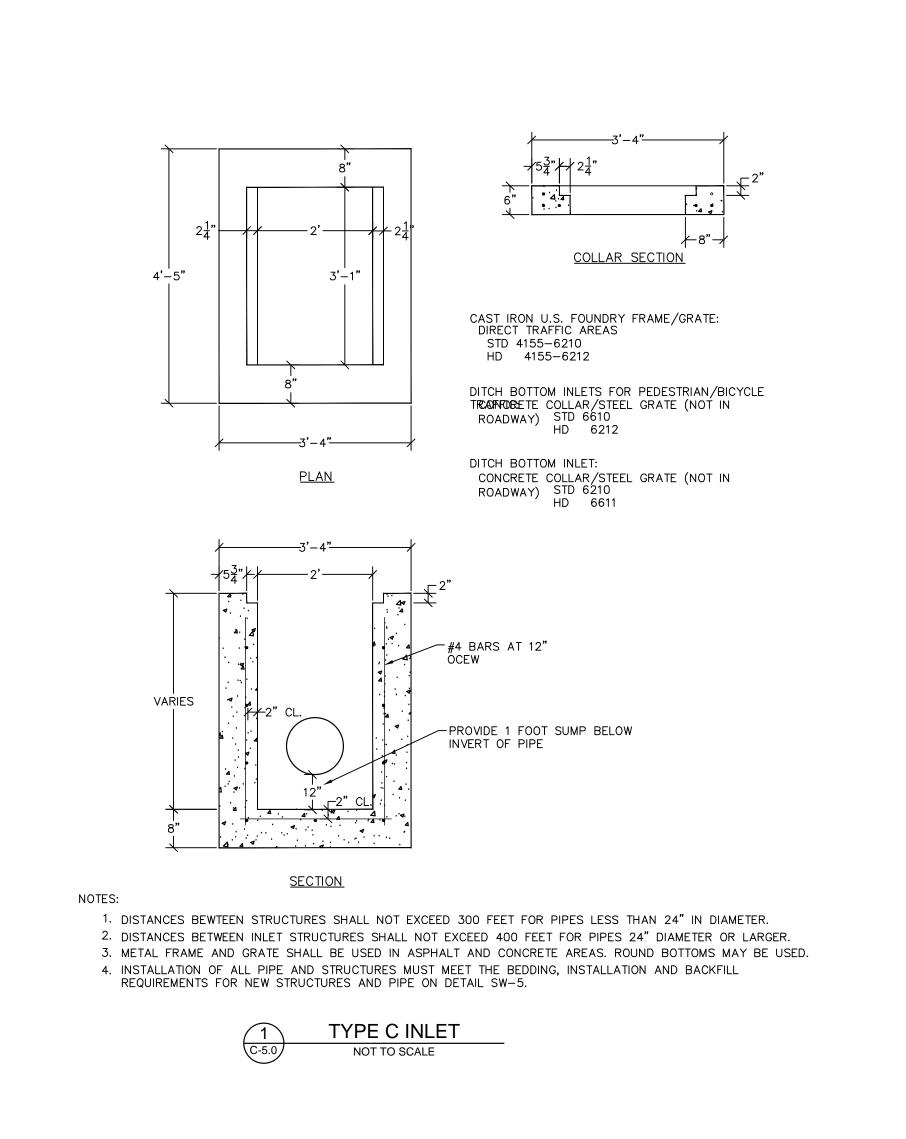
CURRENT DESIGN 2017-029 NOTE APPLIED PROJECT# 010014-01-034 PRINTED FOR PERMIT REVIEW DATE 10/2/2018 Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from Ш CHICK-FIL-A SITE DETAILS

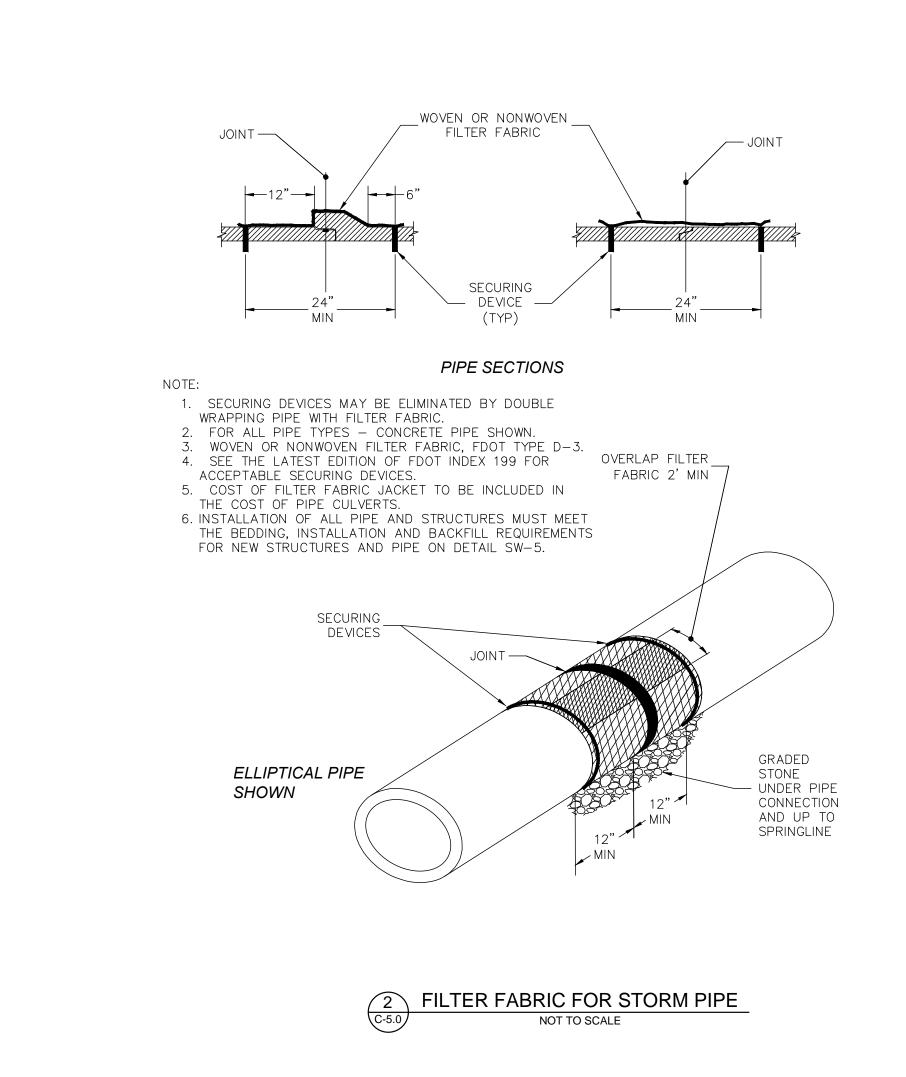
SHEET NUMBER

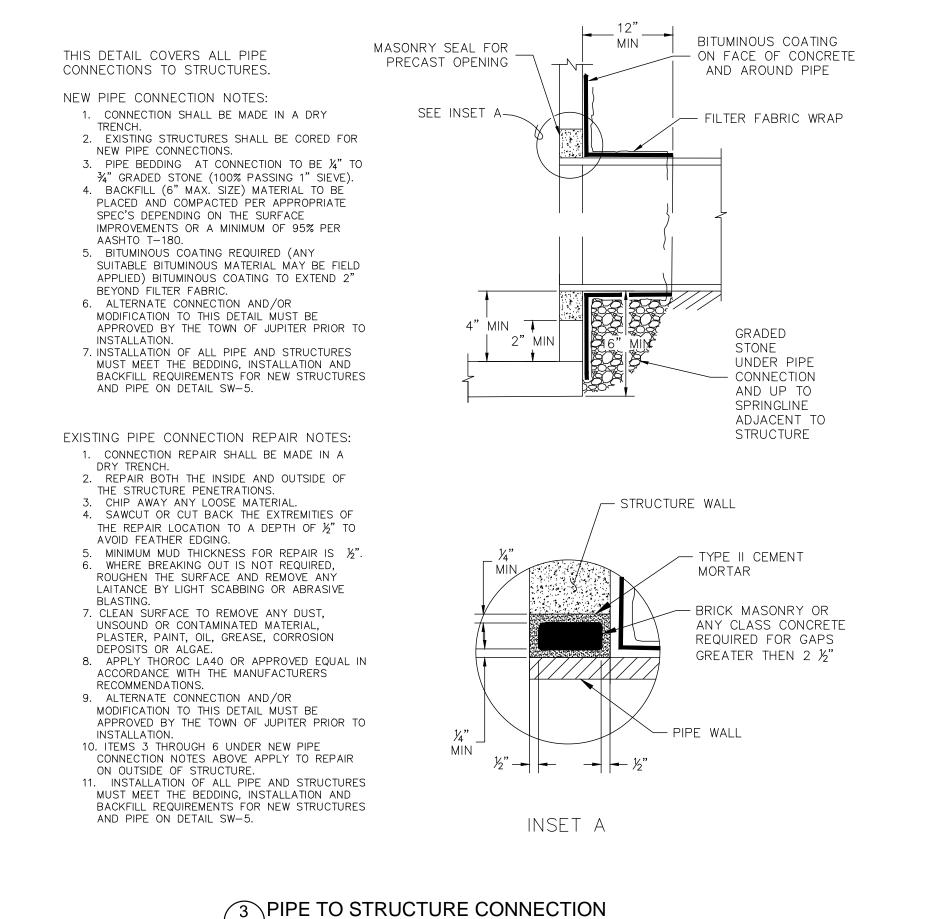


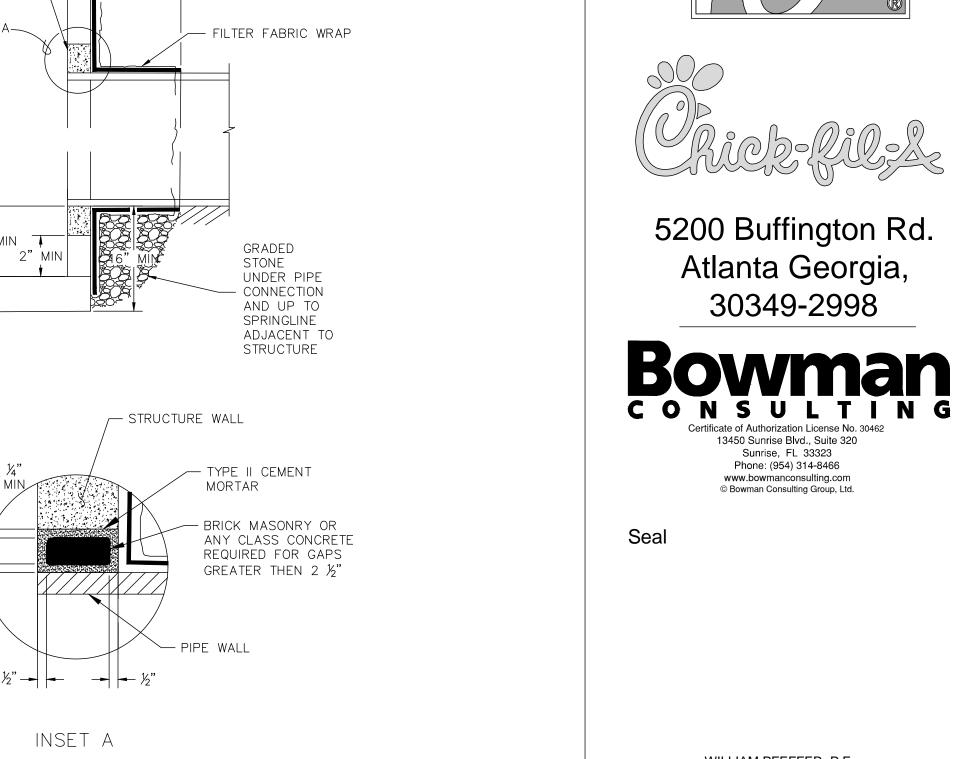


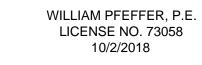
















FSR# 03841

DESCRIPTION REVISED SITE PERMIT SUBMITTAL FDOT & DRC <u>/3</u> 9/25/18

VIE RE

Ш

CURRENT DESIGN 2017-029 NOTE APPLIED PROJECT# 010014-01-034 PRINTED FOR PERMIT REVIEW DATE 10/2/2018 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.

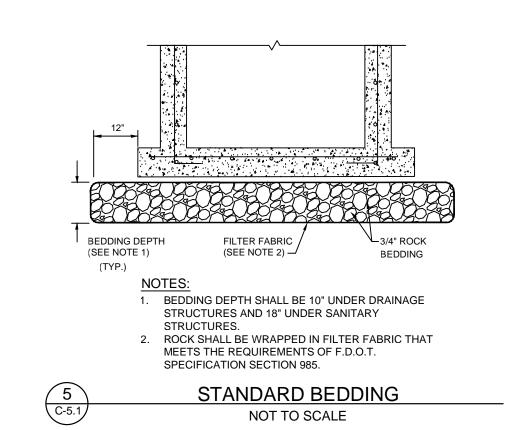
PAVING & DRAINAGE DETAILS

SHEET NUMBER C-5.0

-BOTTOM OF ROADWAY BASE OR EXISTING GROUND -REFER TO PAVEMENT RESTORATION DETAILS -SUITABLE BACKFILL PLACED AND COMPACTED TO AT LEAST 100% OF MAXIMUM DENSITY, 6" MAXIMUM SIZE, 6" LIFTS, PER AASHTO SPEC. NO. T-99C. -SELECT BACKFILL PLACED AND COMPACTED TO AT LEAST 100% OF MAXIMUM DENSITY, 2" MAXIMUM SIZE, 6" LIFTS, PER AASHTO SPEC. NO. T-99C. SELECT BACKFILL PLACED AND COMPACTED TO AT LEAST 98% OF MAXIMUM DENSITY, 2" MAXIMUM SIZE, 6" LIFTS, PER AASHTO SPEC. NO. T-99C. BEDDING MATERIAL. SEE NOTE — FOUNDATION REQUIRED IN UNSTABLE SOILS. SEE NOTE NO. 3 PIPE O.D. PLUS 24 INCHES TRENCH WIDTH

- 1. 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.
- 2. WHERE REQUIRED, SHEETING AND SHORING SHALL BE IN ACCORDANCE WITH OSHA REQUIREMENTS.
- 3. 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.

TYPICAL BACKFILL NOT TO SCALE



NOTE 1

3) WELD OR 2-3/8" THRU BOLTS

9 POLLUTION RETARDANT BASIN & BAFFLE
NOT TO SCALE

NOT TO SCALE

NOTES

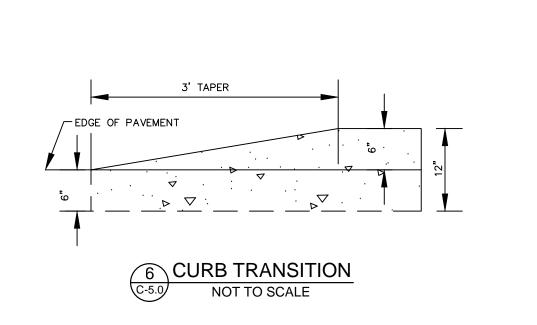
1) BAFFLE SHALL BE C.M.P. OR C.A.P. SECTION (OUTFALL

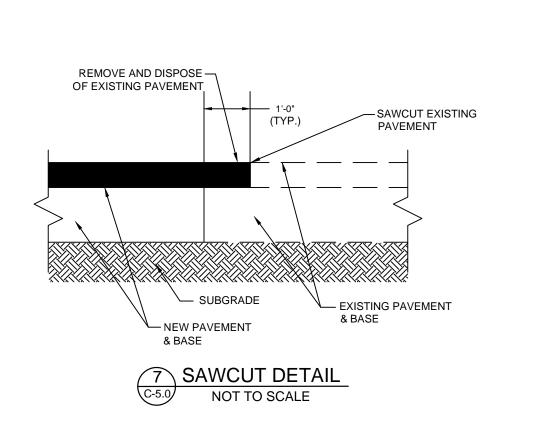
2) 1/2" GALV. WEDGE ANCHORS (ULT. PULLOU 6000, ULT.

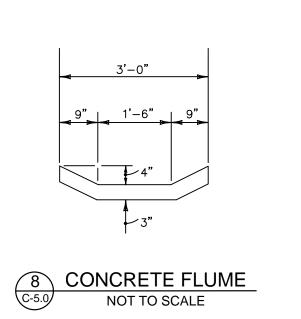
4) BOLTED TO WALL WITH TOP CAPPED. (WATER TIGHT)

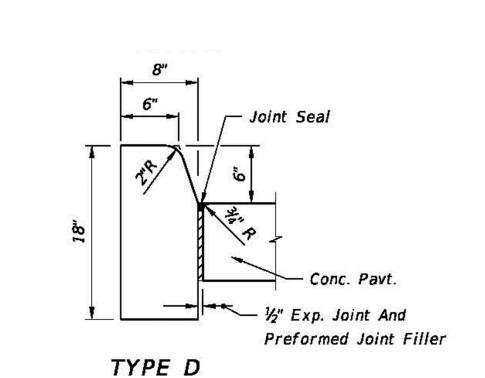
BRACKET DETAIL

BAFFLE DETAIL









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.





OF PIPE AT EACH END TO BE EMBEDDED IN CONC. (TYP.) __4" THK. CONC. SLAB (SLOPE 2% (MAX.) AWAY FROM BLDG. TO DRAIN) W/ 6 X 6 W. THROUGHOUT & W/ (2) 8" W X 12"Ø MONO. FTG'S @ EACH PIPE SETTING. 11 BICYCLE RACK DETAIL NOT TO SCALE

TYPE BICYCLE RACK SET IN

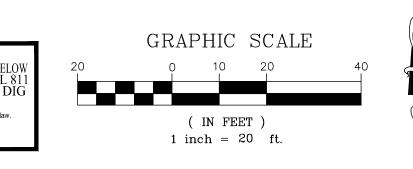
----- 5/8"Ø HEADED ST "L"

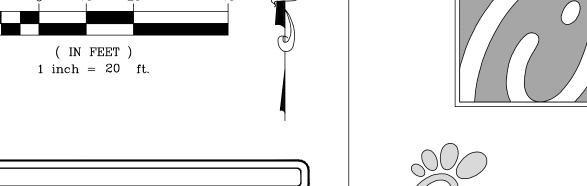
CONC. MONO-FOOTING W/ PAINT

VARIES DEPENDING ON

1'-6" 1'-0" 1'-0" 1'-0" 1'-6"







	LEGE	END	
	EXISTING BOUNDARY EXISTING FIRE HYDRANT EXISTING WATER METER EXISTING CATCH BASIN		PROPOSED TYPE F CURB AND GUTTER PROPOSED TYPE "D" CURB PROPOSED INLET PROPOSED CURB INLET PROPOSED TRANSFORMER
	EXISTING SANITARY MANHOLE EXISTING STORM SERVICE EXISTING SANITARY SERVICE EXISTING WATER SERVICE EXISTING WATER	——————————————————————————————————————	PROPOSED SANITARY SERVICE PROPOSED WATER SERVICE PROPOSED ELECTRIC SERVICE PROPOSED TELEPHONE SERVICE PROPOSED FPL EASEMENT
ф ф -ф-	VALVE EXISTING POWER POLE EXISTING LIGHT POLE EXISTING CROSSWALK SIGNAL	© ⊠ N ••••••••••••••••••••••••••••••••	PROPOSED CLEANOUT PROPOSED WATER METER PROPOSED BACKFLOW PREVENTER PROPOSED TAPPING SLEEVE PROPOSED GATE VALVE



5200 Buffington Rd. Atlanta Georgia, 30349-2998

CONSULTING Certificate of Authorization License No. 30462 13450 Sunrise Blvd., Suite 320 Phone: (954) 314-8466 www.bowmanconsulting.com © Bowman Consulting Group, Ltd.

Seal

WILLIAM PFEFFER, P.E. LICENSE NO. 73058

10/2/2018

FSR# 03841

DESCRIPTION

REVISED SITE

PERMIT SUBMITTAL

2017-029

10/2/2018

010014-01-034

PERMIT REVIEW

9/25/18

FDOT & DRC COMMENTS

CURRENT DESIGN NOTE APPLIED PROJECT# PRINTED FOR DATE 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

VIEW RE UTILITY PLAN

PLAN NOTES CONST. DOUBLE STRAP SADDLE TAP WITH 2" CORPORATION STOP.
CONTRACTOR TO CONFIRM LOCATION, SIZE, AND ELEVATION OF EXISTING PS-1.1
MAIN AT START OF CONSTRUCTION (26) CONSTRUCT 6" WYE WITH CLEANOUT WITH INV. EL. = 9.81' (5) (27) CONSTRUCT CLEANOUT WITH INV. EL. = 10.65' 2 CONST 21 LF 2" PVC PIPE DOMESTIC WATER SERVICE 1½" DOMESTIC WATER METER AND 1½" REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER ASSEMBLY (28) CONSTRUCT 12 LF OF 6" PVC SANITARY SERVICE @ 1.0% (29) CONSTRUCT 6"-45° BEND WITH CLEANOUT WITH INV. EL. = $10.50' \frac{5}{(PS-1.1)}$ (4) SEE DETAIL FOR TYPICAL WATER SERVICE INSTALLATION $\frac{2}{(PS-1.1)}$ CONST. IRRIGATION WELL (SEE IRRIGATION PLANS FOR CONTINUATION) (30) CONSTRUCT 11 LF OF 6" PVC SANITARY SERVICE @ 1.0% 6 CONST. IRRIGATION WELL CONTROL PANEL (31) CONSTRUCT 6"-45° BEND WITH CLEANOUT WITH INV. EL. = $10.38' \frac{5}{(PS-1.1)}$ (7) CONSTRUCT 2"-45° BEND (32) CONSTRUCT 24 LF OF 6" PVC SANITARY SERVICE @ 1.0% CONSTRUCT 6"-45° BEND WITH CLEANOUT WITH INV. EL. = $10.13' \frac{5}{(PS-1.1)}$ (8) CONSTRUCT 54 LF OF 2" PVC WATER SERVICE TO BUILDING 6" PVC GREASE LINE FROM BUILDING, INV. ELEV. = 11.24' 9 6" PVC GREASE LINE FROM BUILDING, INV. LLLV. - 11.27 (REFER TO ARCHITECTURALS FOR CONTINUATION INTO BUILDING) (34) CONSTRUCT 31 LF OF 6" PVC SANITARY SERVICE @ 1.0% 6" PVC SANITARY LINE FROM BUILDING, INV. ELEV. = 10.68' (35) CONSTRUCT 37 LF OF 6" PVC SANITARY SERVICE @ 1.0% (REFER TO ARCHITECTURALS FOR CONTINUATION INTO BUILDING) CONSTRUCT 6"-45° BEND WITH CLEANOUT WITH INV. EL. = 9.43' $\frac{5}{(PS-1.1)}$ [11] CONSTRUCT 3 LF OF 6" PVC SANITARY SERVICE @ 1.0% (12) CONSTRUCT CLEANOUT WITH INV. EL. = 11.21° ($\frac{5}{PS-1.1}$) (37) CONSTRUCT 5 LF OF 6" PVC SANITARY SERVICE @ 1.0% (38) CONSTRUCT 6"X8" WYE WITH CLEANOUT WITH INV. EL. = $9.37' \frac{5}{(PS-1.7)}$ (13) CONSTRUCT 17 LF OF 6" PVC SANITARY SERVICE @ 1.0% CONSTRUCT SANITARY SEWER MANHOLE (14) CONSTRUCT 6"-45° BEND RIM EL. = 13.60' S. INV. EL. (8" PVC) = 9.42' CONSTRUCT 6"-45° BEND WITH CLEANOUT WITH INV. EL. = $11.01' \frac{5}{PS-1.1}$ (40) CONSTRUCT 5 LF OF 8" PVC SEWER MAIN @ 1.0% CONSTRUCT 30 LF OF 6" PVC SANITARY SERVICE @ 1.0% (41) CONSTRUCT 62 LF OF 8" PVC SEWER MAIN @ 1.0% (17) CONSTRUCT 6"-45° BEND WITH CLEANOUT WITH INV. EL. = $10.70' \frac{5}{(PS-1.1)}$ CONSTRUCT SANITARY SEWER MANHOLE WITH DROP CONNECTION N. UPPER INV. EL. (8" PVC) = 8.74 [18] CONSTRUCT 26 LF OF 6" PVC SANITARY SERVICE @ 1.0% N. LOWER INV. EL. (8" PVC) = 6.14' W. INV. EL. (8" PVC) = 6.14' E. INV. EL. (8" PVC) = 6.06' (19) CONSTRUCT 6"-45° BEND WITH CLEANOUT WITH INV. EL. = $10.43' \left(\frac{5}{PS-1.1}\right)$ (43) CONSTRUCT 3" SANITARY VENT LINES TWO (2) 1000 GALLON GREASE TRAPS (REFER TO ARCHITECTURALS 7 44 CONSTRUCT 156 LF OF $\frac{3}{4}$ PVC WATER SERVICE TO THE DUMPSTER (21) CONSTRUCT 2 LF OF 6" PVC SANITARY SERVICE @ 1.0% (45) CONSTRUCT BURIED GAS SERVICE (22) CONSTRUCT CLEANOUT WITH INV. EL. = 10.20° ($\frac{5}{PS-1.1}$) (46) CONSTRUCT BURIED ELECTRICAL SERVICE CONSTRUCT CLEANOUT WITH INV. EL. = 10.15' $\frac{5}{(PS-1.1)}$ TRANSFORMER TO BE CONSTRUCTED BY OTHERS CONSTRUCT 6"-45° BEND WITH CLEANOUT WITH INV. EL. = $9.92' \left(\frac{5}{8^{\circ}8^{\circ}1.1}\right)$ (48) CONSTRUCT BURIED COMMUNICATIONS SERVICE 25 CONSTRUCT 8 LF OF 6" PVC SANITARY SERVICE @ 1.0% **GENERAL UTILITY NOTES** 1. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND IS RESPONSIBLE TO REPAIR ANY DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION AT NO COST 2. ALL UTILITIES ARE SHOWN FROM INFORMATION GATHERED AND SHOULD NOT BE USED AS EXACT. CONTRACTOR SHALL VERIFY EXACT DEPTHS AND LOCATIONS 3. CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY FOR INSTALLATION AND SPECIFICATION REQUIREMENTS. 5. ALL TRENCHING AND BEDDING SHALL BE PER THE UTILITY TRENCH AND BEDDING DETAIL. 6. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR ALL BUILDING UTILITY TIE INS. 7. THE CONTRACTOR IS TO FIELD VERIFY THE EXACT LOCATIONS AND DEPTHS OF UTILITY LINES. THE CITY OF COCNUT CREEK ENGINEERING DEPARTMENT ASSUMES NO RESPONSIBILITY FOR ANY POTENTIAL CONFLICTS. 8. ANY WATER AND/OR SEWER CONNECTIONS MUST BE COORDINATED AND SUPERVISED BY UTILITY DISTRICT PERSONNEL. PLEASE GIVE 72 HOURS NOTICE FOR

(O.R.B. 41584, PG. 1337) TRACT D GARDEN APARTMENTS WILES BUTLER PLAT No. 1 WATER-SEWER EASEMENT (P.B. 160, PG. 18) O.R.B. 45025, PG. 300 O.R.B. 47022, PG. 628 O.R.B. 48592, PG. 1809 PRESERVE AT COCONUT CREEK LLC 15' LANDSCAPE PCN: 48-42-07-AB-0010 BUFFER EASEMENT -295.93' 15' UTILITY EASEMENT P.B. 164, PG. 10 N 89°37'35" E TRACT A-1 ______ L PROP 12' WATER PROP. 12' WATER EASEMENT CONFLICT 4 CONFLICT 3 -PROP. 12' FPL EASEMENT TRACT A TWO-STORY SPEAR PLAT BUILDING (P.B. 170, PG. 82) VILLAGE SHOPPES OF COCONUT CREEK INVESTMENTS LLC PCN: 48-42-18-15-0010 INSTR. No. 112814838 // // // // // // // // CONFLICT 6 APPROXIMATE LOCATION SANITARY FORCEMAIN _____ CONFLICT 9 25' FPL EASEMENT WATER-SEWER EASEMENT O.R.B. 36574, PG. 1971 O.R.B. 45025, PG. 300 O.R.B. 47022, PG. 628 O.R.B. 48592, PG. 1809 — EX. FIRE HYDRANT 25' LANDSCAPE BUFFER EASEMENT -P.B. 164, PG. 10 FPL EASEMENT O.R.B. 45931, PG. 1976 S 89°37'35" W 208.01' CESS EASEMENT EX. SEWER MANHOLE EX. 8" PVC SEWER .R.B. 27β55, PG. 834 RIM EL. = 13.42' MAIN @ 1.4% ⁻ _______ EX. FIRE HYDRANT N 89°37'35" E

ACCESS EASEMENT

O.R.B. 27355, PG. 834

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

(BEARING BASIS)

WATER-SEWER EASEMENT

O.R.B. 45025, PG. 300

O.R.B. 47022, PG. 628

O.R.B. 48592, PG. 1809

25' LANDSCAPE

- BUFFER EASEMENT P.B. 164, PG. 10

No.

STATE ROAD (U.S. HIGHWAY 4

CARRINGTON AT COCONUT CREEK CONDOMINIUM

4. ALL PIPE MATERIALS SHALL COMPLY WITH LOCAL REGULATIONS AND STANDARDS.

CONFLICTS

CONFLICT 1: 2" WATER SERVICE TO PASS OVER STORM WITH MINIMUM CLEARANCE OF 12" T.O.P. STORM: 11.16 +/-

CONFLICT 2: 2" WATER SERVICE TO PASS OVER \(\frac{3}{4}\)" WATER SERVICE WITH MINIMUM CLEARANCE OF 12"

3" WATER SERVICE TO PASS OVER EXISTING WATER

COMMUNICATIONS SERVICE TO PASS OVER GAS/ELECTRIC SERVICES WITH MINIMUM CLEARANCE OF 12"

2" $\& \frac{3}{4}$ " WATER SERVICES TO PASS OVER SANITARY SERVICE AND VENT LINES WITH MINIMUM CLEARANCE OF 12" T.O.P. SANITARY = 11.38'

CONFLICT 8:
COMMUNICATIONS SERVICE TO PASS OVER WATER/SANITARY SERVICES WITH MINIMUM CLEARANCE OF 12"

CONFLICT 9: GAS SERVICE TO PASS OVER STORM WITH MINIMUM CLEARANCE OF 12"

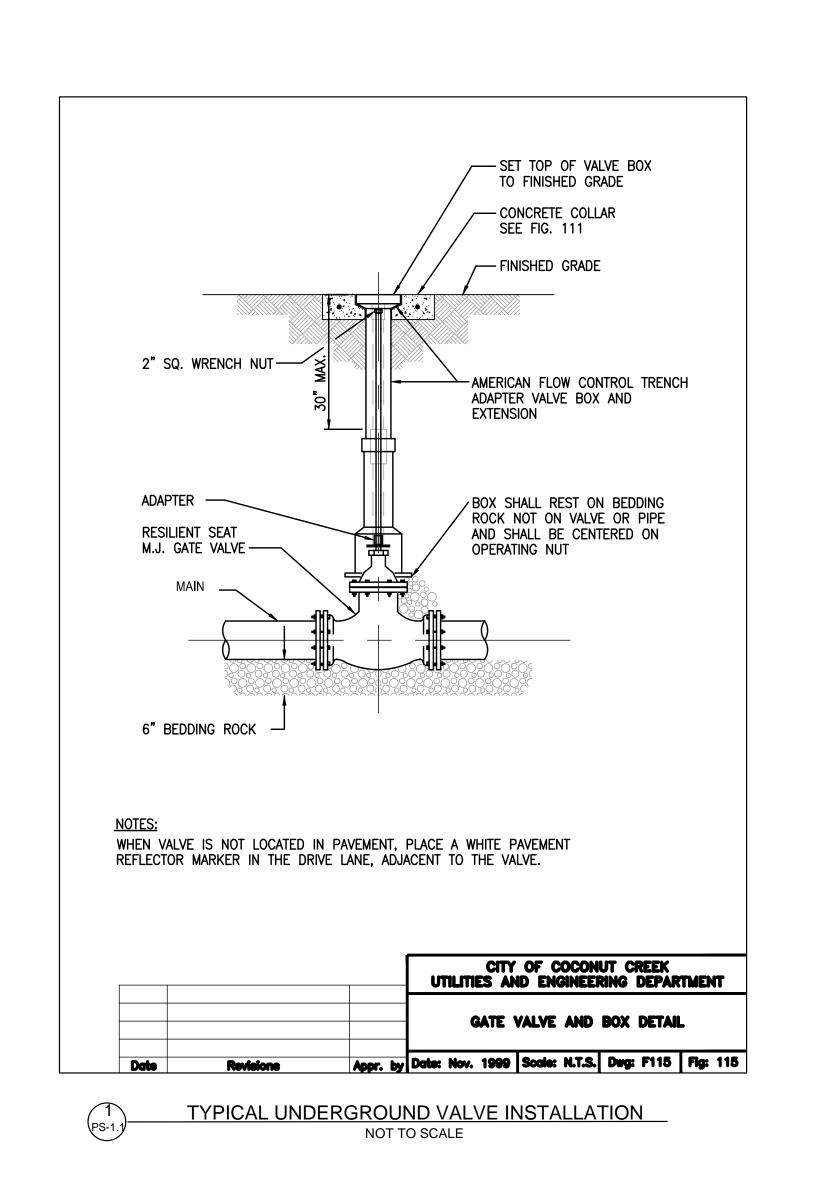
CONFLICT 3:

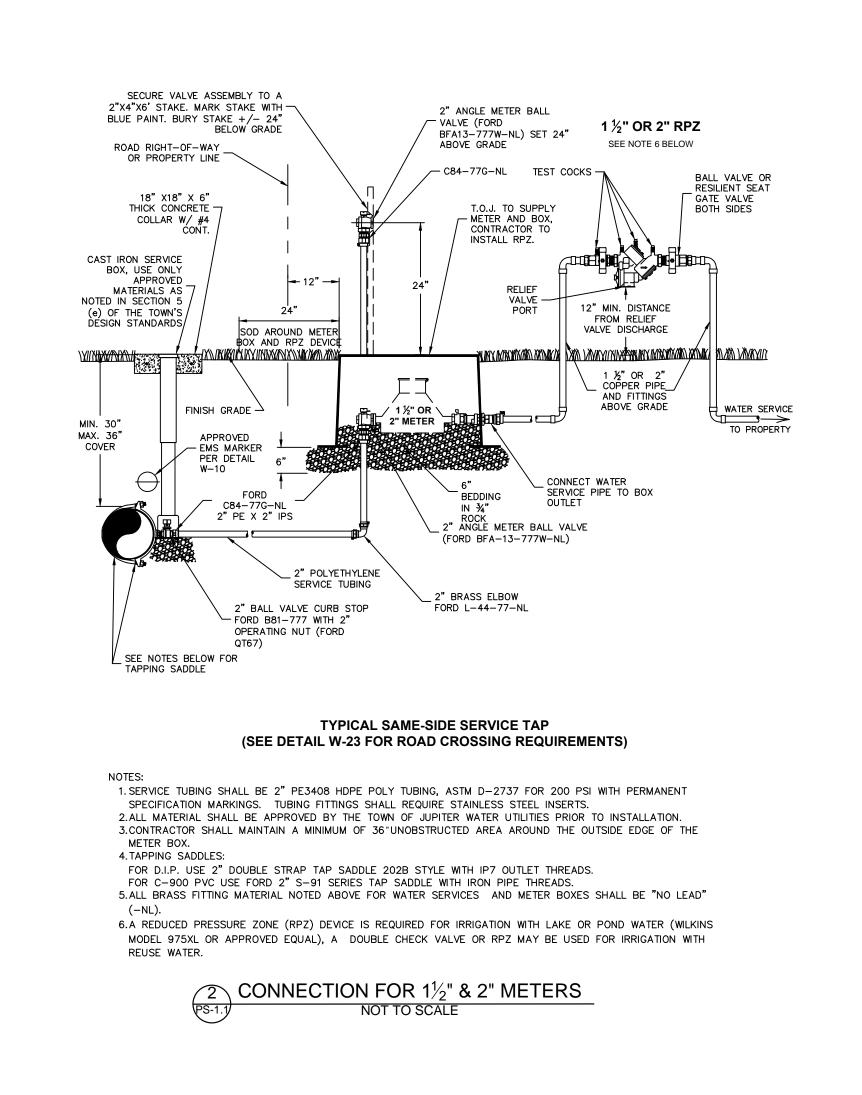
GAS SERVICE TO PASS OVER PROPOSED WATER/ELECTRIC AND EXISTING WATER/STORM WITH MINIMUM CLEARANCE OF 12"

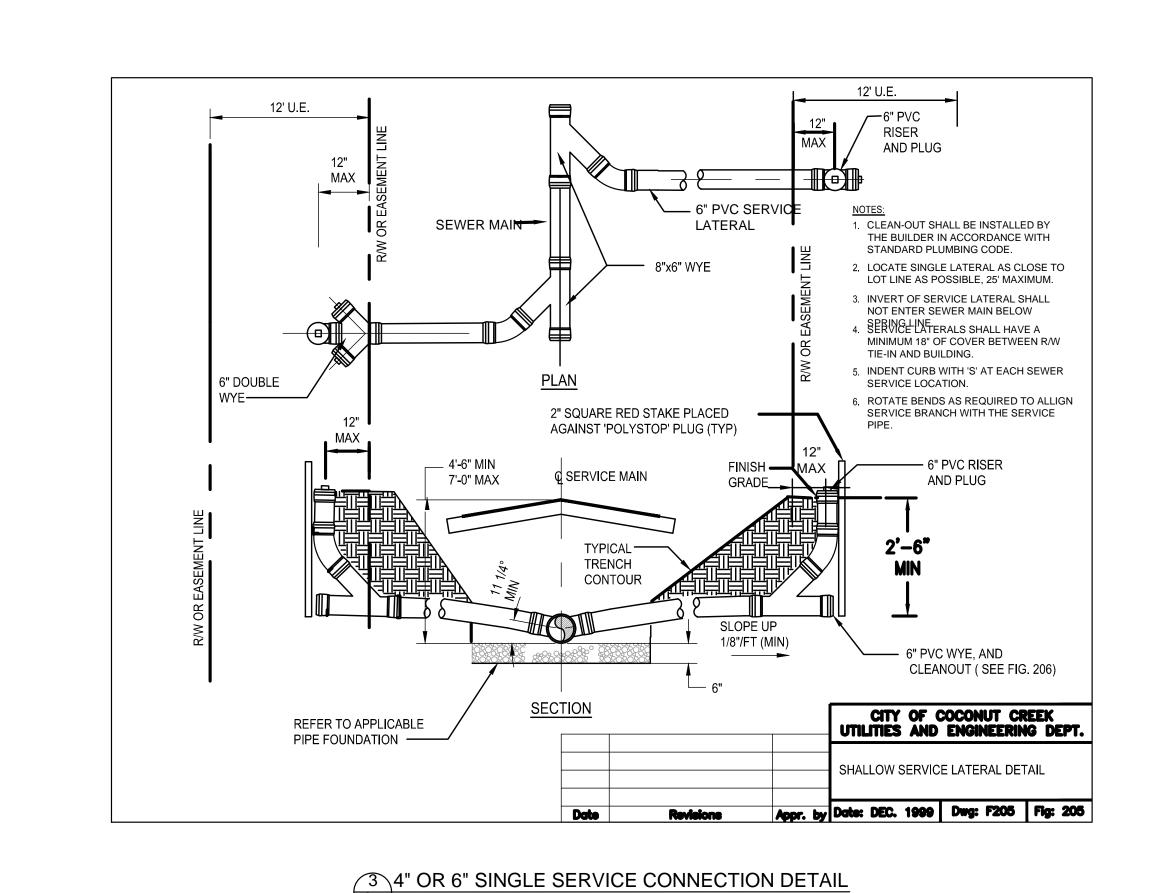
MAIN WITH MINIMUM CLEARANCE OF 12"

CONFLICT 5: COMMUNICATIONS SERVICE TO PASS OVER EXISTING WATER MAIN WITH MINIMUM CLEARANCE OF 12"

> SHEET NUMBER **PS-1.0**







NOT TO SCALE





5200 Buffington Rd. Atlanta Georgia, 30349-2998

CONSULTING 13450 Sunrise Blvd., Suite 320 Sunrise, FL 33323 Phone: (954) 314-8466 www.bowmanconsulting.com © Bowman Consulting Group, Ltd.

Seal

WILLIAM PFEFFER, P.E. 10/2/2018

LICENSE NO. 73058

50

467 CO

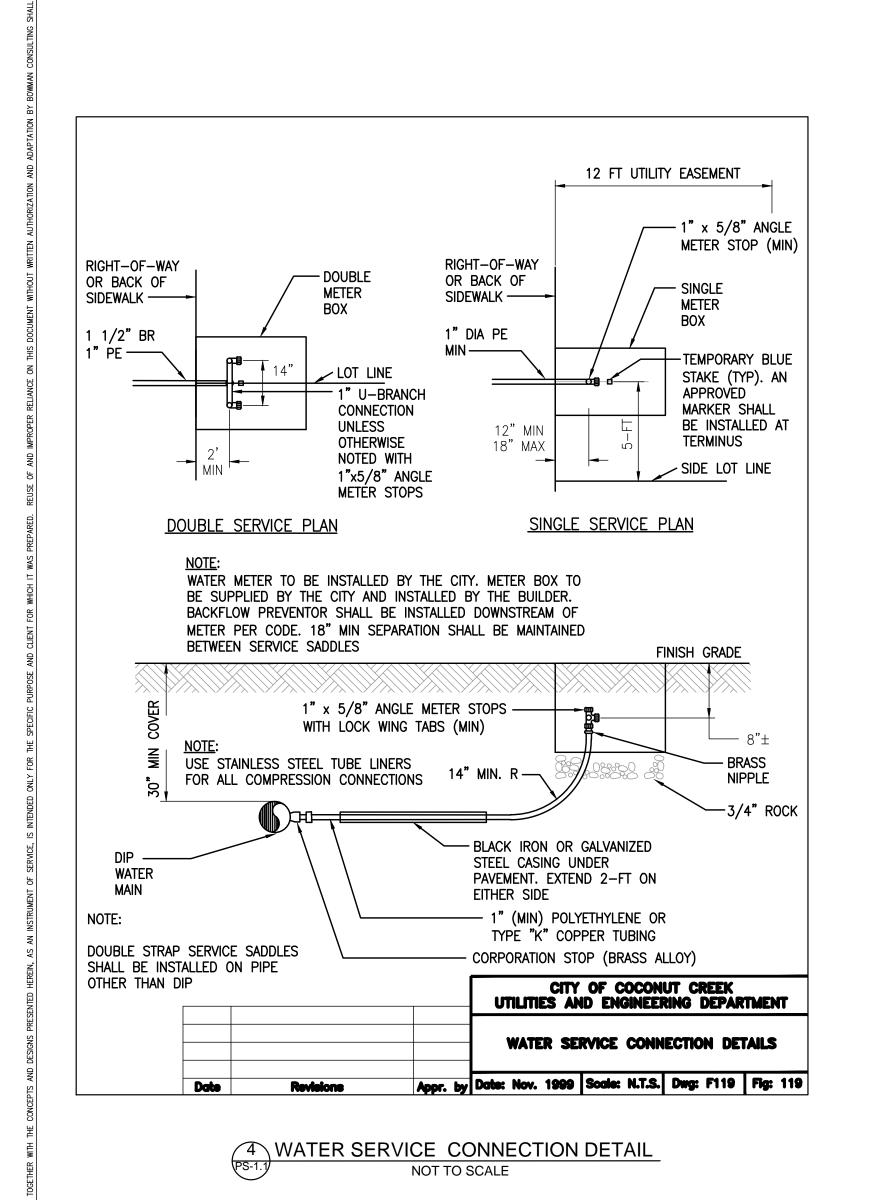
FSR# 03841

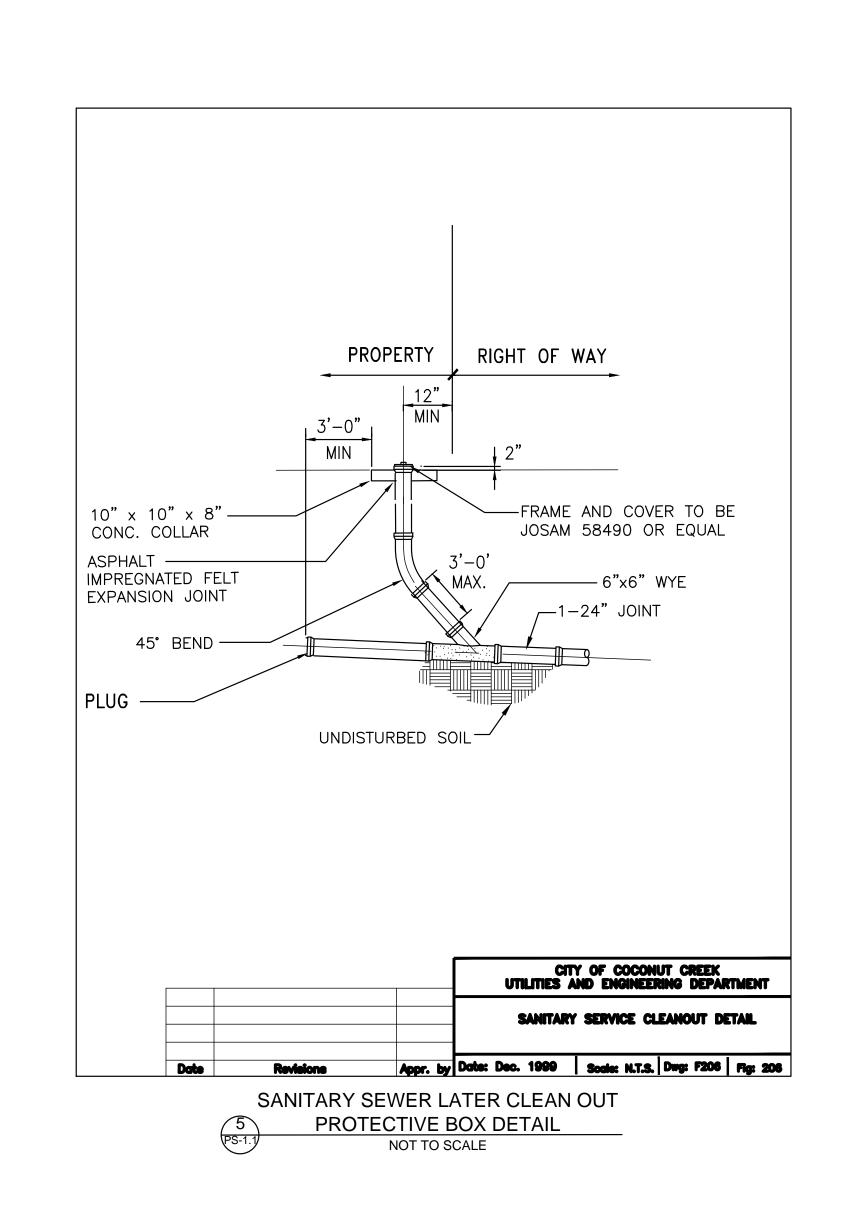
DESCRIPTION REVISED SITE PERMIT SUBMITTAL FDOT & DRC <u>/3</u> 9/25/18 COMMENTS

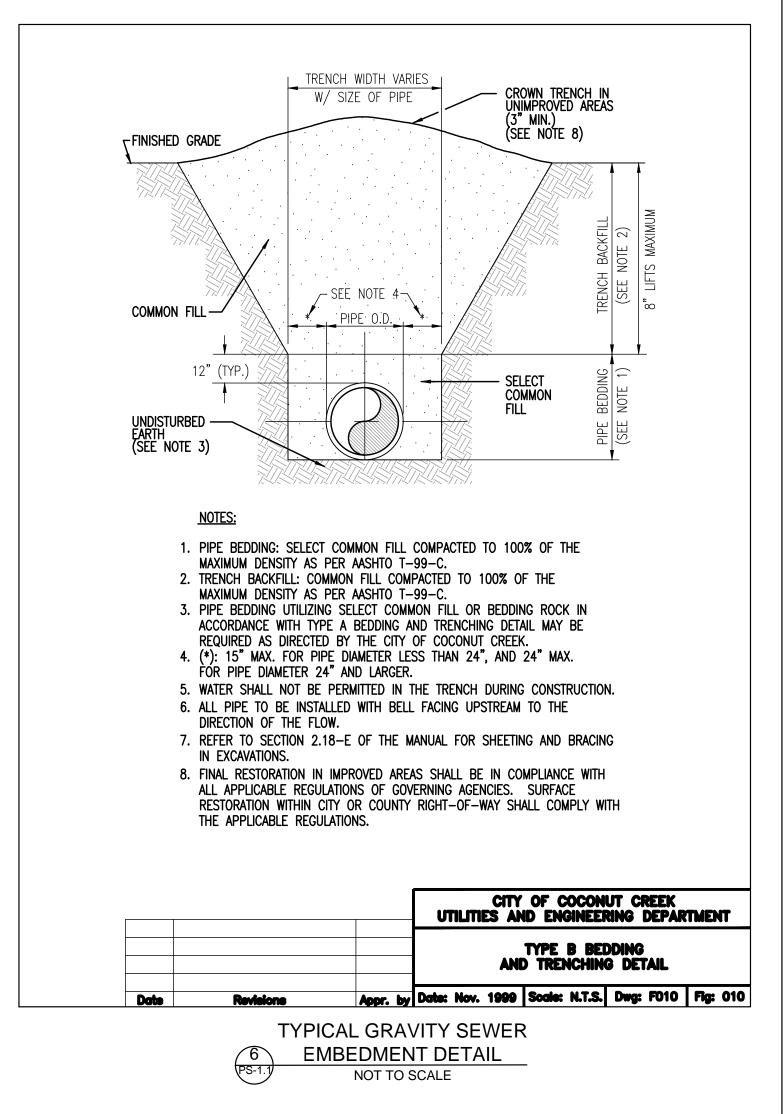
•		
	CURRENT DESIGN NOTE APPLIED	
•	PROJECT#	
	PRINTED FOR	PE
•	DATE	
•	DRAWN BY	
•		

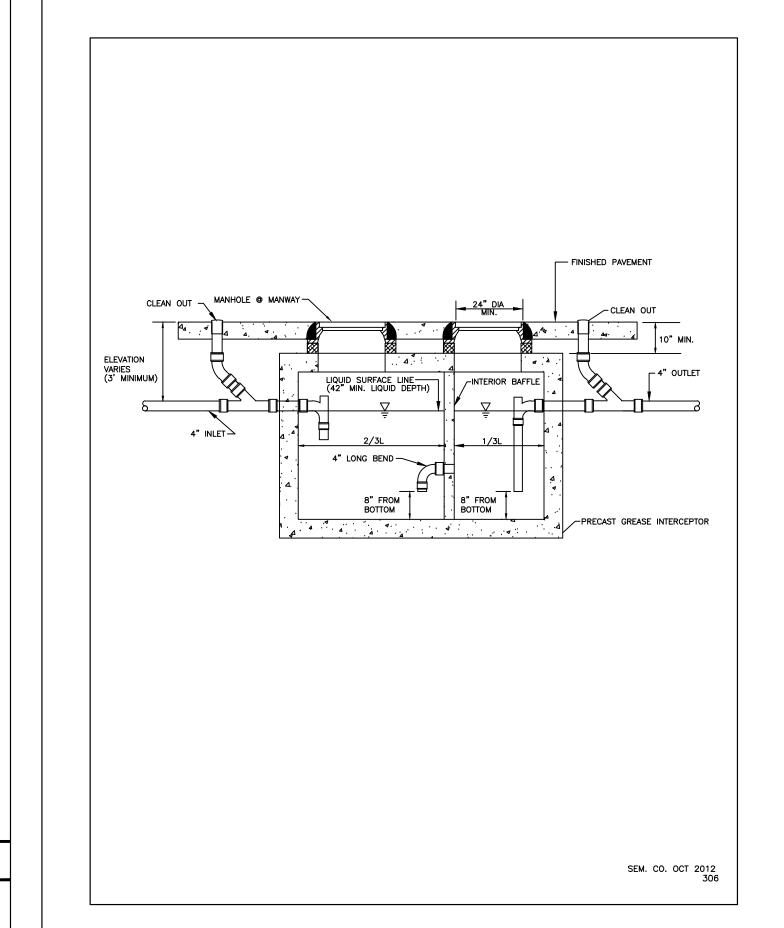
2017-029 010014-01-034 ERMIT REVIEW 10/2/2018 Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from Ш UTILITY DETAILS

> SHEET NUMBER **PS-1.1**



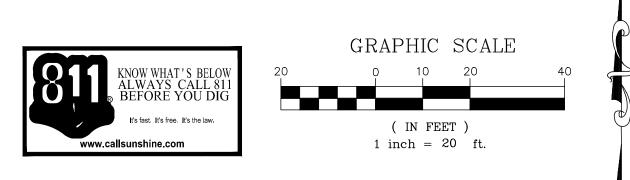


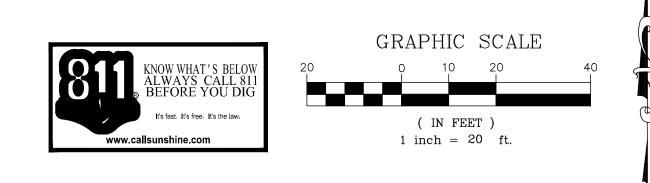


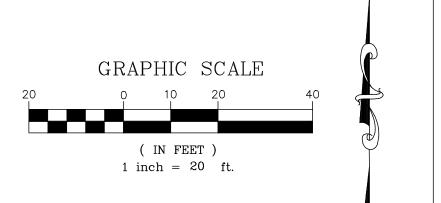


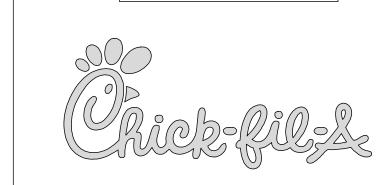
7 GREASE INTERCEPTOR DETAIL

NOT TO SCALE









5200 Buffington Rd. Atlanta Georgia, 30349-2998

CONSULTING

Certificate of Authorization License No. 30462
13450 Sunrise Blvd., Suite 320
Sunrise, FL 33323
Phone: (954) 314-8466 www.bowmanconsulting.com © Bowman Consulting Group, Ltd.

Seal

WILLIAM PFEFFER, P.E. LICENSE NO. 73058 10/2/2018

4670 N. STATE ROAD 7 COCONUT CREEK, FLORIDA

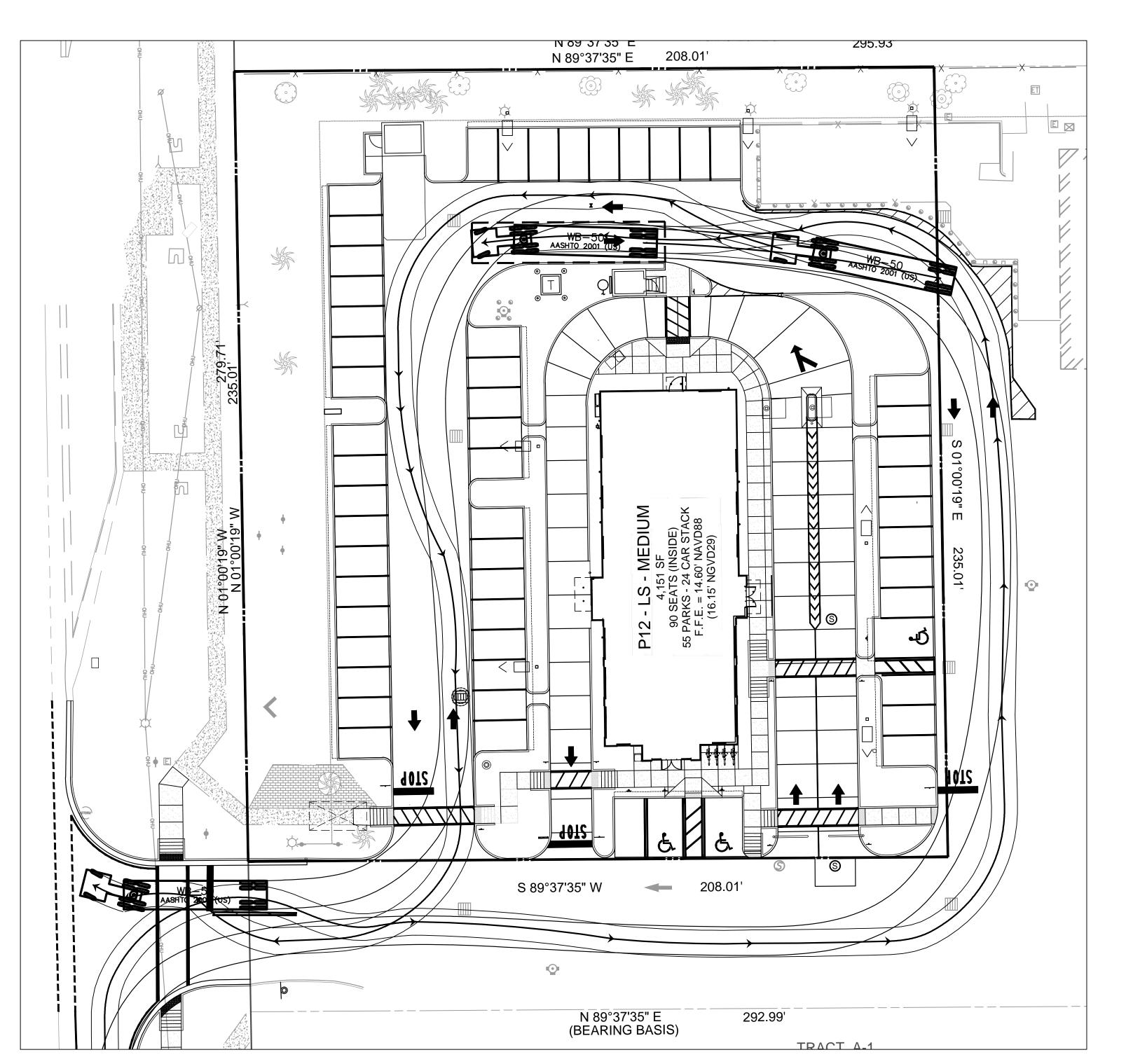
FSR# 03841

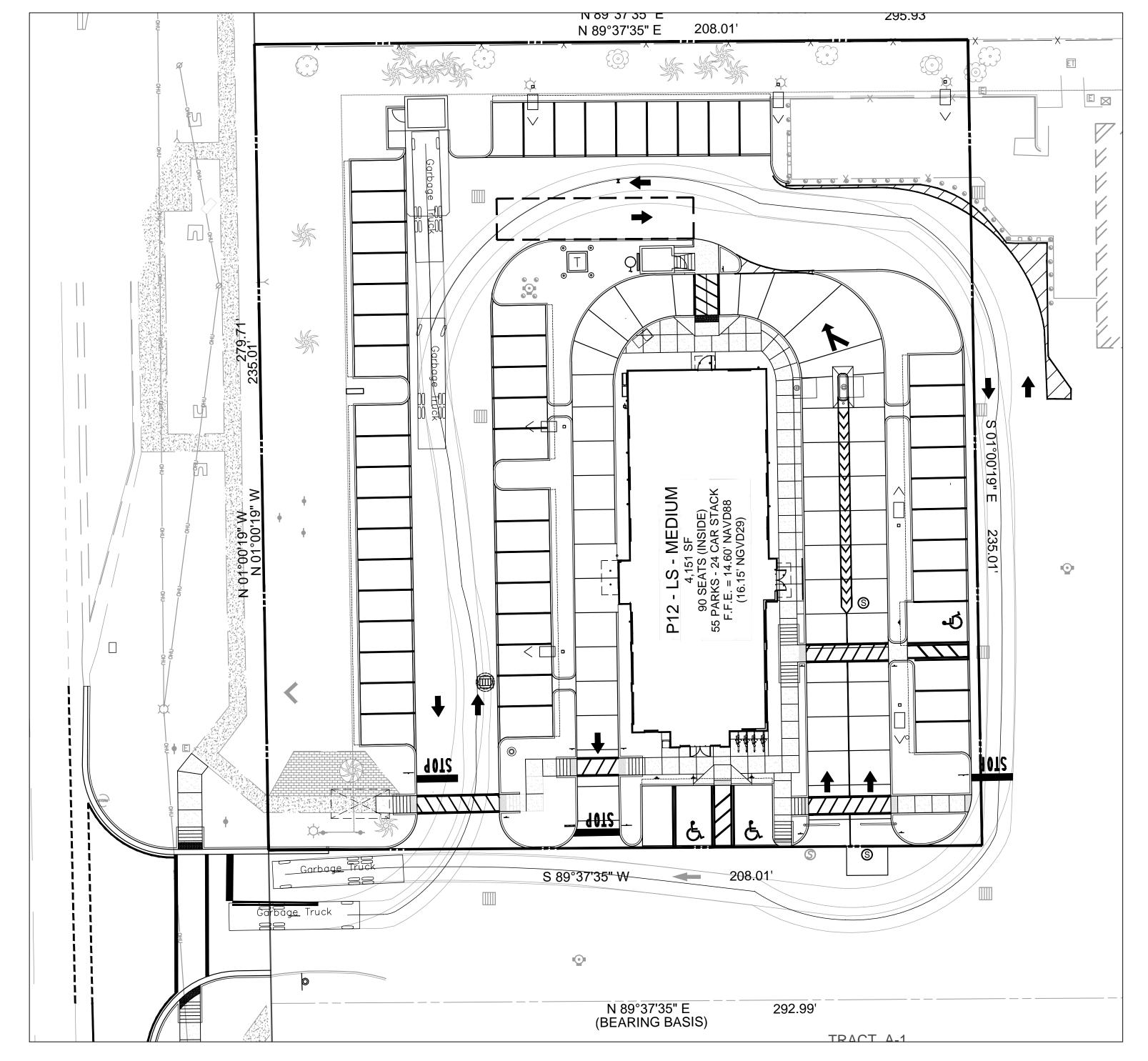
DESCRIPTION
REVISED SITE
PERMIT SUBMITTAL
FDOT & DRC
COMMENTS

<u>3</u> 9/25/18

2017-029 NOTE APPLIED PROJECT# 010014-01-034 PRINTED FOR 10/2/2018 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. AUTOTURN PLAN

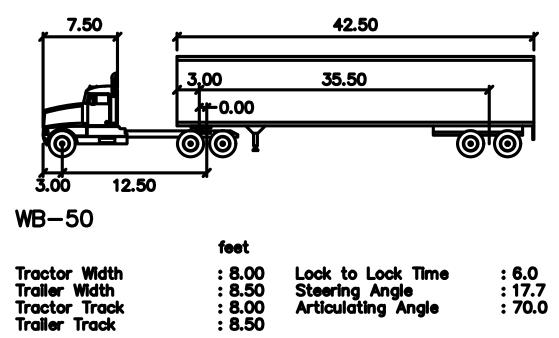
SHEET NUMBER AT-1.0

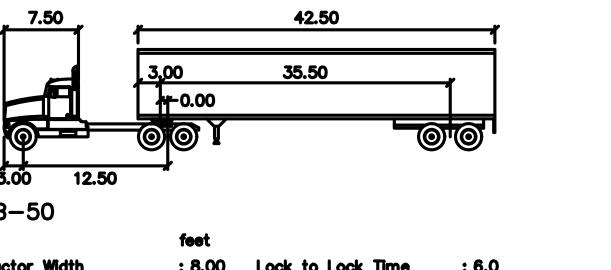


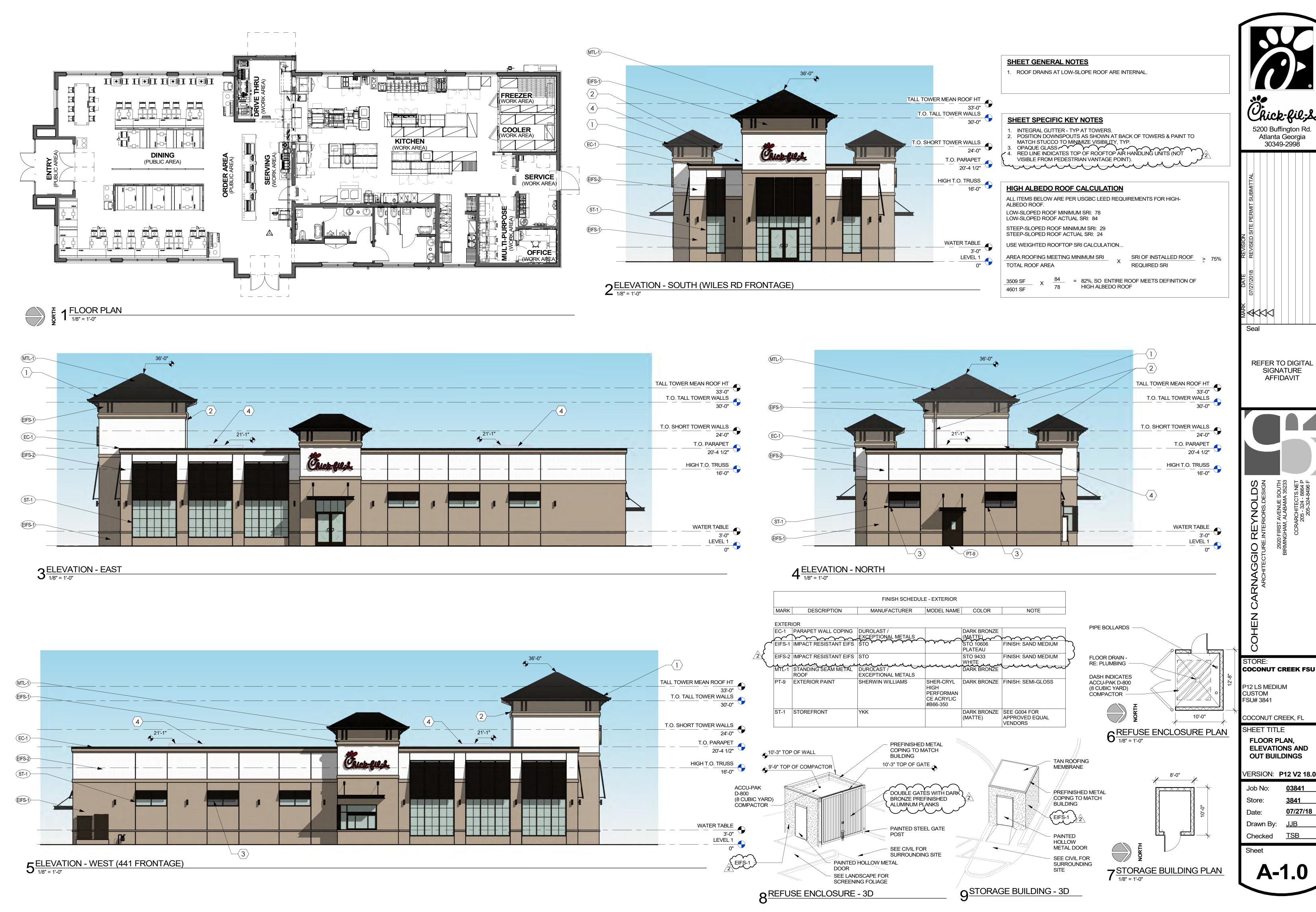


Garbage Truck

Width : 8.00
Track : 8.00
Lock to Lock Time : 6.0
Steering Angle : 27.4







5200 Buffington Rd.

Atlanta Georgia 30349-2998

REFER TO DIGITAL SIGNATURE

AFFIDAVIT

P12 LS MEDIUM

COCONUT CREEK, FL SHEET TITLE

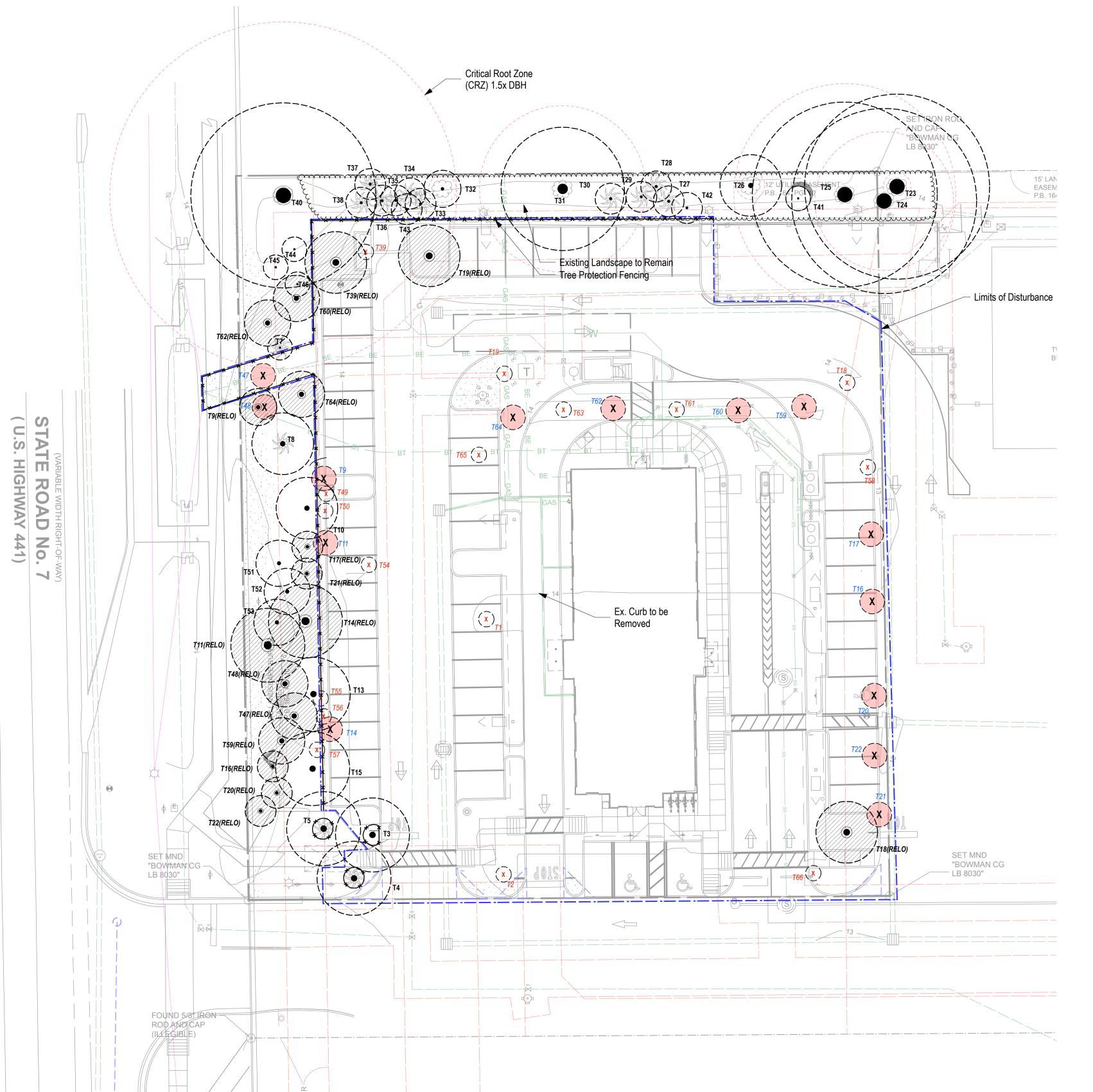
FLOOR PLAN, **ELEVATIONS AND OUT BUILDINGS**

VERSION: P12 V2 18.03 <u>03841</u> Job No:

<u>3841</u> 07/27/18 Drawn By:

Checked

A-1.0



TREE NO.	_								
	BOTANICAL NAME	COMMON NAME	HT	SPR	DBH	COND	DISPOSITION	CANOPY AREA (s.f)	
	Quercus virginiana	Live oak	20	20	6	75%	REMOVE	314	
	Quercus virginiana	Live oak	20	20	8	80%	REMOVE	314	
	Roystonea elata Roystonea elata	Royal Palm Royal Palm	20'gw 20'gw	24 24	20 20	80% 80%	REMAIN REMAIN	452 452	-
	Roystonea elata	Royal Palm	20 gw 20'gw	24	20	80%	REMAIN	452	-
	NOT THERE					5575		.,	
	Roystonea elata	Royal Palm	25'gw	8	18	20%	REMAIN	50	severe frizzle top and stunted spike
	Roystonea elata	Royal Palm	20'gw	20	20	70%	REMAIN	314	4
	Roystonea elata Roystonea elata	Royal Palm Royal Palm	20'gw 20'gw	12 20	16 18	55% 70%	RELOCATED REMAIN	113 314	frizzle top/large scar in trunk/needs fertilizer
	Roystonea elata	Royal Palm	20'gw	24	20	80%	RELOCATED	452	-
	NOT THERE	1.07				5575			
	Roystonea elata	Royal Palm	20'gw	24	18	80%	REMAIN	452	
	Roystonea elata	Royal Palm	18'gw	24	18	80%	RELOCATED	452	
	Roystonea elata Wodyetia bifurcata	Royal Palm Foxtail Palm	20'gw 14'gw	24 10	20 8	80% 60%	REMAIN RELOCATED	452 79	_
	Wodyetia bifurcata	Foxtail Palm	14 gw 12'gw	10	6	60%	RELOCATED	79	-
	Quercus virginiana	Live oak	25	25	10	80%	RELOCATED	491	Temporary Storage Needed
	Quercus virginiana	Live oak	25	25	8	80%	RELOCATED	491	Temporary Storage Needed
	Wodyetia bifurcata	Foxtail Palm	10'gw	10	6	60%	RELOCATED	79	choloric
	Wodyetia bifurcata	Foxtail Palm	12'gw	10	8	60%	RELOCATED RELOCATED	79 79	_ choloric
	Wodyetia bifurcata Ficus ssp	Foxtail Palm Banyan	10'gw 50	10 60	6 48	60% 60%	REMAIN	2826	choloric 23 & 24 are the same tree
	Ficus ssp	Banyan	50	60	48	60%	REMAIN	2826	20 G 24 are the same tree
	Ficus ssp	Banyan	50	60	60	60%	REMAIN	2826	
	Quercus virginiana	Live oak	25	20	8	70%	REMAIN	314	one sided from close proximity to neighboring trees
	Sabal palmetto	Cabbage Palm	25'ct	10	12	75%	REMAIN	79	covered with virginia creeper vines
	Sabal palmetto Sabal palmetto	Cabbage Palm Cabbage Palm	25'ct 25'ct	10 10	14 12	75% 75%	REMAIN REMAIN	79 79	covered with virginia creeper vines covered with virginia creeper vines
	Sabal palmetto	Cabbage Palm	20'ct	10	10	75%	REMAIN	79	covered with virginia creeper vines
	Ficus ssp	Banyan	50	40	60	60%	REMAIN	1256	broken limbs/creeper vines
	Quercus virginiana	Live oak	30	12	8	60%	REMAIN	113	structurally OK but crowded out - new developed a good canopy
	Sabal palmetto	Cabbage Palm	20'ct	10	10	70%	REMAIN	79	covered with virginia creeper vines
	Sabal palmetto Sabal palmetto	Cabbage Palm Cabbage Palm	25'ct 22'ct	10 10	14 14	70% 70%	REMAIN REMAIN	79 79	covered with virginia creeper vines covered with virginia creeper vines
	Sabal palmetto	Cabbage Palm	20'ct	10	10	70%	REMAIN	79	covered with virginia creeper vines
	Sabal palmetto	Cabbage Palm	25'ct	10	14	70%	REMAIN	79	covered with virginia creeper vines
	Sabal palmetto	Cabbage Palm	20'ct	10	12	70%	REMAIN	79	covered with virginia creeper vines
	Quercus virginiana	Live oak	25	20	8	70%	RELOCATED	314	
	Ficus ssp Ligustrum lucidum	Banyan Privet	50 10	60 8	96 multi	65% 65%	REMAIN REMAIN	2826 50	poor pruning cuts/some poor limb connections in upper canopy/broken limb
	Ligustrum lucidum	Privet	10	10	multi	65%	REMAIN	79	†
43	Ligustrum lucidum	Privet	8	10	multi	60%	REMAIN	79	
	Ligustrum lucidum	Privet	8	8	multi	75%	REMAIN	50	
	Ligustrum lucidum	Privet	8	8	multi	75%	REMAIN	50	
	Ligustrum lucidum Lagerstromia indica	Privet Crepe Myrtle	8 15	8 15	multi	75% 70%	REMAIN RELOCATED	50 177	-
	Lagerstromia indica	Crepe Myrtle	15	15	multi multi	75%	RELOCATED	177	-
	Ilex cassine	Dahoon Holly	12	5	3	75%	REMOVE	20	
50	llex cassine	Dahoon Holly	12	5	3	70%	REMOVE	20	
	Laegerstromia indica	Crepe Myrtle	15	15	multi	80%	REMAIN	177	
	Laegerstromia indica Laegerstromia indica	Crepe Myrtle	15 15	15 15	multi	80% 80%	REMAIN REMAIN	177 177	4
	llex cassine	Crepe Myrtle Dahoon Holly	12	6	multi 3	75%	REMOVE	28	-
	llex cassine	Dahoon Holly	10	4	2.5	55%	REMOVE	13	poor canopy, leaning
	Ilex cassine	Dahoon Holly	10	4	2.5	55%	REMOVE	13	poor canopy, leaning
57	llex cassine	Dahoon Holly	10	4	2.5	55%	REMOVE	13	poor canopy, leaning
	llex cassine	Dahoon Holly	12	6	3	70%	REMOVE	28	5' ct
	Lagerstromia indica	Crepe Myrtle	12	15	multi	80%	RELOCATED	177	4
	Lagerstromia indica Ptychosperma elegans	Crepe Myrtle Double Alexander Palm	12 6/10'gw	15 8	multi 3,3	80% 60%	RELOCATED REMOVE	177 50	choloric/small heads
	Lagerstromia indica	Crepe Myrtle	12	15	multi	80%	RELOCATED	177	onorono/amaii neaua
	Ptychosperma elegans	Triple Alexander Palm	8/10/12'gw	15	3,3,4	75%	REMOVE	177	
	Lagerstromia indica	Crepe Myrtle	12	20	multi	80%	RELOCATED	314	
	Ligustrum lucidum	Privet	10	10	multi	75%	REMOVE	79	
	llex cassine	Dahoon Holly	12	6	2.5	85%	REMOVE	28	

ARBORIST REPORT 4.23.18 BY:
Michael Grosswirth, PLA, ASLA, ISA
Landscape Architect LA6666871
ISA Certified Arborist FL-9157AThomas Engineering Group
Ft. Lauderdale, FL
954-202-7000

LEGEND



EXISTING TREE TO BE REMOVED



EXISTING TREE TO BE RELOCATED



EXISTING TREE RELOCATED



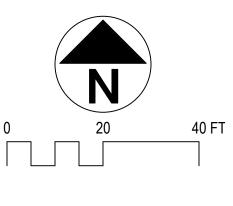
EXISTING TREE TO REMAIN



TREE PROTECTION FENCING



LIMITS OF DISTURBANCE







770.442.8171 tel 770.442.1123 fax

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

manleylanddesign.com

HICK-FIL-Aconut Creek N. State Road 7

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

 MLD PROJECT #
 2017161

 PRINTED FOR
 Permit

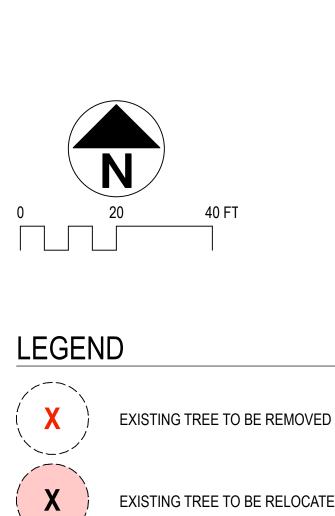
 DATE
 11.21.17

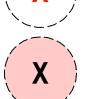
Information contained on this drawing and in all digital files produced for above named project may not be reproduced in any manner without express written or verbal consent from authorized project representatives.

Tree Removal / Relocation Plan

SHEET NUMBER

L-100





EXISTING TREE TO BE RELOCATED

42-Dwarf Yaupon Holly

Replace/ Repair existing

sod as needed: Blend

new sod with existing

56-Sunshine Mimosa

31 Dwarf Yaupon Holly

28-Dwarf Fakahatchee Grass

Replace/ Repair existing sod

LANDSCAPE BUFFER EASEMENT

as needed; Blend new sod

53-Dwarf Ixora

with existing

35-Dwarf Ixora -

15-Pink Muhly Grass Ex. Landscape to Remain

8-Dwarf Yaupon Holly

15-Dwarf Fakahatchee Grass

67-Big Blue Liriope -

Proposed Monument Sign

OAD

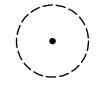
5 0

28-Dwarf Walter's Viburnum -

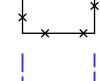
19-Dwarf Fakahatchee Grass



EXISTING TREE RELOCATED

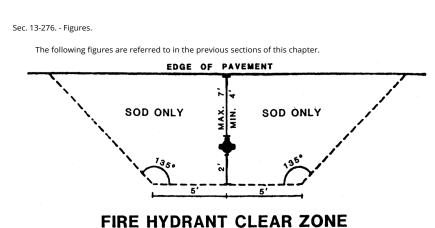


EXISTING TREE TO REMAIN



LIMITS OF DISTURBANCE

TREE PROTECTION FENCING



Fire Hydrant Clear Zone, Figure 1



Bird Bath Imagery

LANDSCAPE NOTES

SOUTHEAST

1. 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.

- 2. Contractor is responsible for locating and protecting all underground utilities prior to digging.
- 3. Contractor is responsible for protecting existing trees from damage during construction. 4. All tree protection devices to be installed prior to the start of land disturbance, and maintained until final landscaping.
- 5. All tree protection areas to be protected from sedimentation.
- 6. All tree protection fencing to be inspected daily, and repaired or replaced as needed.
- 7. No parking, storage or other construction activities are to occur within tree protection areas.
- 8. All planting areas shall be cleaned of construction debris (ie. concrete, rock, rubble, building materials, etc) prior to adding and spreading of the topsoil. 9. 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.
- 10. 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.
- 11. 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. 12. Any deviations from the approved set of plans are to be approved by the Landscape Architect.
- 13. 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
- 14. 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.
- 15. Soil to be tested to determine fertilizer and lime requirements prior to laying sod.

16. 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

- 17. All shrubs beds (existing and new) to be mulched with a min. 3 inch layer of mulch (double shredded hardwood mulch).
- 18. 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.
- 19. 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.
- 20. Any existing grass disturbed during construction to be fully removed, regraded and replaced. All tire marks and indentions to be repaired. 21. Water thoroughly twice in first 24 hours and apply mulch immediately.
- 22. 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.
- 23. 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.
- 24. 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.
- 25. Stake all evergreen and deciduous trees as shown in the planting detail and as per the Landscape Specifications.
- 26. Remove stakes and guying from all trees after one year from planting.

PLANT LIST

Ex. Shopping Center Sign

Critical Root Zone (CRZ) 1.5x DBH

16-Dwarf Yaupon Holly

4-Dwarf Walter's Viburnum

6-Yew Podocarpus

Clear Zone

WATER-SEWER EASEMENT

50' Tree Ring

1-Cathedral Live Oak

7-Pink Muhly Grass

1-Tonto Crepe Myrtle

4-Dwarf Yaupon Holly

Existing Landscape to Remain

Irrigation Well Location

11-Coco Plum

15-Dwarf Ixora

25-Coco Plum

2-Simpson Stopper

8-Big Blue Liriope

Ex. Curb to be

Removed

20-Dwarf Ixora 16-Big Blue Liriope

8-Dwarf Yaupon Holly 9-Pink Muhly Grass

24-Sunshine Mimosa

10-Dwarf Ixora 11-Dwarf Yaupon Holly 1-Cathedral Live Oak

1-Tonto Crepe Myrtle 3-Silver Buttonwood

14-Dwarf Yaupon Holly

5-Dwarf Walter's Viburnum

Tree Protection Fencina

Ex. 6' Chain Link Fence to Rema

Ex. Bollards to Remain

6-Dwarf Yaupon Holly

9-Pink Muhly Grass 55-Sunshiné Mimosa

6-Dwarf Fakahatchee Grass

Qty	Botanical Name	Common Name	Scheduled Size	Native	Diversity	Remarks
	Trees					
3	Conocarpus erectus (var. sericeus)	Silver Buttonwood	Min. 8' Hgt.	Native	4.2%	B & B; Tree Form
7	Lagerstroemia x 'Tonto'	Tonto Crepe Myrtle	Min. 8' Hgt.	Non-Native	9.71%	B & B; Tree Form
7	Myrcianthes fragrans	Simpson Stopper	Min. 8' Hgt.	Native	9.71%	B & B; Tree Form
4	Quercus virginiana 'SDLN'	Cathedral Live Oak	Min. 2" Cal.; Min. 12' Hgt.	Native	5.56%	B & B; Single Straight Leader
11	Roystonea elata	Royal Palm		Native	15.28%	Exsting Trees on Site
5	Quercus virginiana	Live oak		Native	6.94%	Exsting Trees on Site
5	Wodyetia bifurcata	Foxtail Palm		Non-Native	6.94%	Exsting Trees on Site
5	Ficus banghalensis	Banyan		Non-Native	6.94%	Exsting Trees on Site
10	Sabal palmetto	Cabbage Palm		Native	13.89%	Exsting Trees on Site
6	Ligustrum lucidum	Privet		Non-Native	8.33%	Exsting Trees on Site
9	Lagerstromia indica	Crepe Myrtle		Non-Native	12.50%	Exsting Trees on Site
	Shrubs					
63	Chrysobalanus icaco	Coco Plum	3 Gal.; Min. 24" O.A.	Native		Hedge
164	Ilex vomitoria 'Nana'	Dwarf Yaupon Holly	3 Gal.; Min. 18" O.A.	Native	21.24%	
162	Ixora taiwanensis	Dwarf Ixora	3 Gal.; Min 12" Hgt.	Non-Native	20.98%	
40	Muhlenbergia capillaris	Pink Muhly Grass	3 Gal.; Min. 18" O.A.	Native	5.18%	
6	Podocarpus macrophyllus	Yew Podocarpus	3 Gal.; Min 6' Hgt.	Non-Native	0.78%	
111	Tripsacum floridana	Dwarf Fakahatchee Grass	3 Gal.; Min 12" Hgt.	Native	14.38%	
37	Viburnum obovatum 'Densa'	Dwarf Walter's Viburnum	3 Gal.; Min. 24" O.A.	Native		Hedge
20	Zamia pumila	Coontie	3 Gal.; Min. 18" O.A.	Native	2.60%	
	Groundcovers					
91	Liriope muscari 'Big Blue'	Big Blue Liriope	1 Gal.	Non-Native	11.79%	Plant 18" O.C.
33	Liriope muscari 'Evergreen Giant'	Evergreen Giant Liriope	1 Gal.	Non-Native	4.27%	Plant 18" O.C.
145	Mimosa strigillosa	Sunshine Mimosa	1 Gal.	Native	18.78%	Plant 18" O.C.
1840	Stenotaphrum secundatum	St. Augustine Grass	SF; Sod			

Native Plants:

Required: 50% Native Species.

Provided: 55.6% of Trees are Native; 59.3% 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. 21.24% of one species.

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.
- Landscape 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.

15' LANDSCAPE BUFF

TWO-STORY

P.B. 164, PG. 10 _

EASEMENT

Limits of Disturbance

20-Coontie

13-Dwarf Ixora

27-Coco Plum

16-Dwarf Ixora

18-Evergreen Giant Liriope

31-Dwarf Fakahatchee Grass

15-Evergreen Giant Liriope

5-Tonto Crepe Myrtle

16-Dwarf Yaupon Holly

SET MND

LB 8030"

Sight Triangle (10'x10')

"BOWMAN CG

12-Dwarf Fakahatchee Grass

PROVIDED

REQUIRED

PROVIDED

REQUIRED

PROVIDED

REQUIRED

PROVIDED

ZONING DISTRICT

G. TREE REPLACEMENT/ MITIGATION

1. <u>Qty</u>

E. FOUNDATION PLANTING

8-Dwarf Yaupon Holly

5-Simpson Stopper

VATER-SEWER EASEMENT

FPL EASEMENT

2-Cathedral Live Oak LDING

- 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.
- 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
- 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. All required landscape material shall be installed using a planting soil mix comprised of a type appropriate to the individual proposed plant material and the native soil found on the site.
- All plant material shall be planted at the proper depth, as originally grown and/or so the top of the root ball is flush or slightly above finished grade immediately after planting. All trees should provide trunk taper when properly planted at the correct planting depth.
- All plant material shall be watered in at time of planting to eliminate air pockets in the root zone area. 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.

20. 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.

INTERIOR LAND	SCAPE IN VUA			
REQUIRED	1. 1 Tree per 10 spaces			
	55 spaces/ 10		=	6 Trees
	2. 1 SF of landscape area for	-		
	25,023 SF / 100)	=	250 SF Required
PROVIDED	1. 3 Ex. Live Oak Relocated (Γ39, T18, T19), 3 live Oak		
	2. 5,673 SF of interior landsca	pe area provided		
PERIMETER LA	DSCAPE			
REQUIRED	1. Min. 10' width along the East	st and North property lines		
	2. 1 Tree per 40 LF			
		0 (excludes ex. playground)		5 Trees
	North: 208 LF /		=	5 Trees
	3. Continuous hedge (min. 24)	' hgt.)		
PROVIDED	1. 15' Buffer provided to the N	orth; Existing Drive at East		
	2. East: 5 Tonto Crape N	Myrtle		
	North: 5 Ex. Trees (25	,26,31,32,41)		
	Continuous hedge provided	along both		
ROADWAY LAN	SCAPE BUFFERS			
REQUIRED	1. 1 Tree per 2000 SF of total	· · · · · · · · · · · · · · · · · · ·		
	5807 SF / 2000		=	3 Trees
	2. 24" hgt evergreen hedge re	-		
	3. Min. 40 shrub per 2000 SF	•		400 01 1
	5807 SF / 2000	x 40	=	120 Shrubs
PROVIDED	1. 1 Ex. Tree (40), 6 Palms (3,	4,5,13,15,10)		
	2. Viburnum hedge provided a	long entire parking area at roa	ad from	ntage
	3. 258 Shrubs provided			
STREET TREES				
REQUIRED	1. 1 Tree per 40 LF			
	232 LF / 40		=	6 Trees

1. 7 Palms (8, 9,16, 20, 22, 17, 21), 9 Ex. Crepe Myrtles (51,52,53,60,61,64,59,48,47)

1. 1 Tree and 5 Shrubs per 1000 SF of area not used for Bulding and Parking

Total

= 7 Trees, 144 Shrubs, 216 GC

= 10 Trees; 51 Shrubs

= 1,097 SF Removed

Total Canopy

= 1,200 SF

= 700 SF

= 450 SF

= 2,350 SF

1. 1 Tree, 20 Shrubs, 30 Groundcovers per 40 LF of building LF

10,281 SF / 1000 SF = 10.3

1. 21 New Trees, 51 Ex. Trees and Palms; 659 Shrubs

1. 13 Trees Removed (see chart sheet L-100)

Live Oak (300 SF)

Simpson Stopper (100 SF)

Silver Buttonwood (150 SF)

288 LF / 40

1. 7 Simpson Stopper; 91 Shrubs, 91 Groundcovers





770.442.8171 tel 770.442.1123 fax

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

manleylanddesign.com

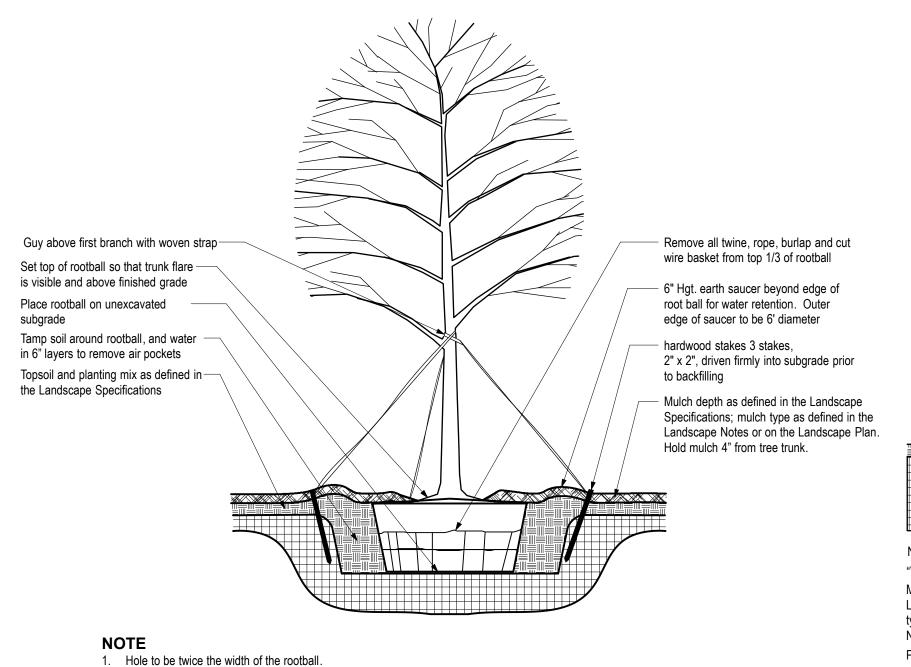
ek P

FSU# 3841

REVISION SCHEDULE <u>DATE</u> 4/30/18 7/27/18 City Comments 8/6/18 City Comments/Site Change 8/10/18 City Comments/Site Change 10/3/18 City Comments/Site Change MLD PROJECT # PRINTED FOR Permit 11.21.17 DRAWN BY 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.

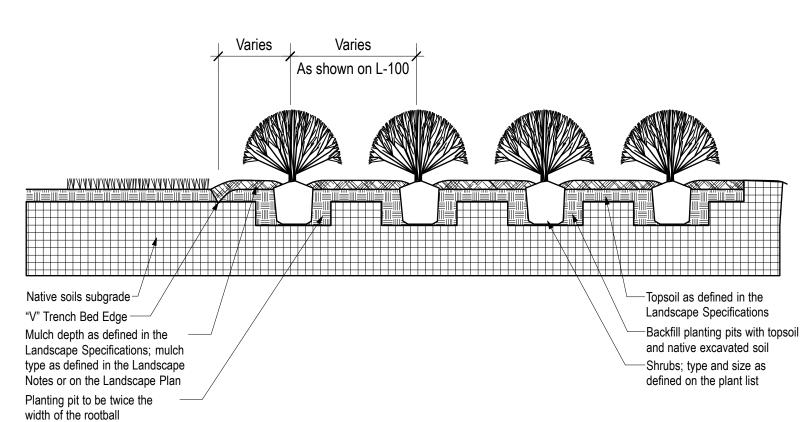
± Landscape Plan

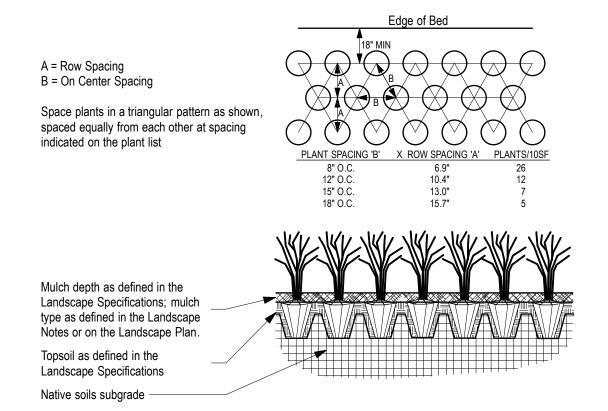
SHEET NUMBER L-101



- 2. Do not heavily prune tree at planting. Prune only crossover limbs, broken or dead branches; Do not remove the terminal buds of branches that extend to the edge of the crown.
- 3. Each tree must be planted such that the trunk flare is visible at the top of the rootball. Trees where the trunk flare is not visible shall be rejected. Do not cover the top of the rootball with soil. Mulch to be held back 4" away from trunk.
- 4. Remove Guy Wires and Staking when warranty period has expired (after one year).

GROUNDCOVER PLANTING DETAIL

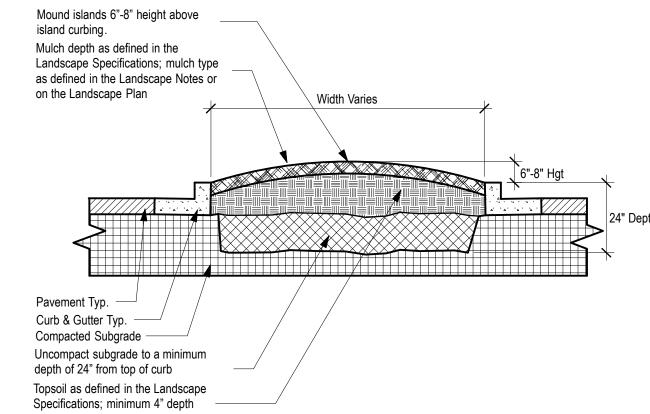




NOTESpace groundcover plants in accordance with indicated spacing listed on the plant list, or as shown on

- the landscape plan.

 2. Adjust spacing as necessary to evenly fill planting bed with indicated quantity of plants.
- 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.



NOTE

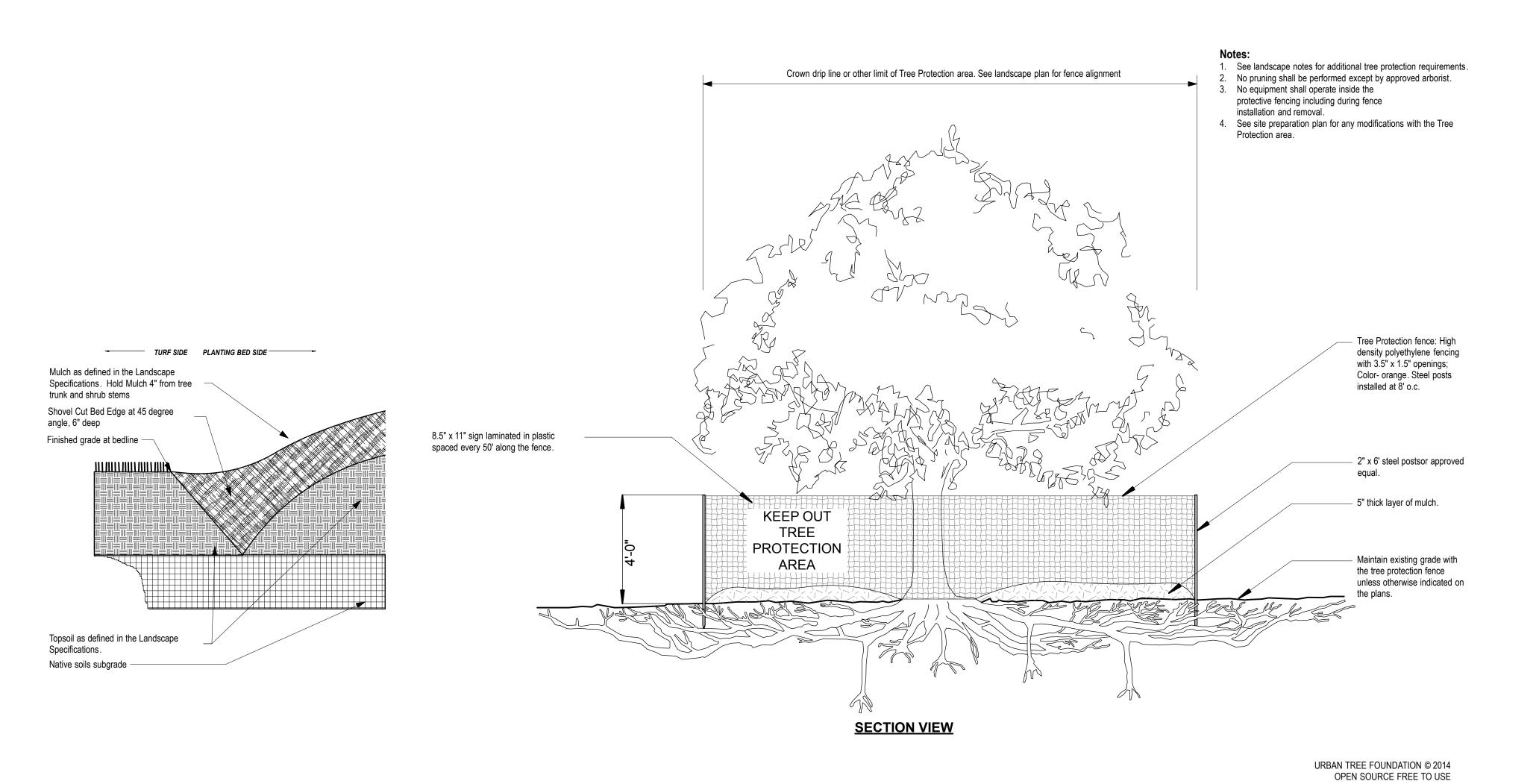
- 1. Clean construction debris from within landscape island areas (ie. concrete, rocks, rubble, building
- materials, ect), prior to installing topsoil and plant material.
 Fracture/loosen existing subgrade to a minimum 24" depth. Remove and replace any subgrade unsuitable for planting. Once subgrade is clean of debris and loosened, add topsoil to a minimum bermed 6"-8" height above island curbing.
- Island plant material as per the Landscape Plan.
 Install plant material as per tree, shrub and ground cover planting details, and as defined in the
- Landsacpe Specifications.Install mulch or sod as specified on the Landscape Plan, and as defined in the Landscape Specifications.

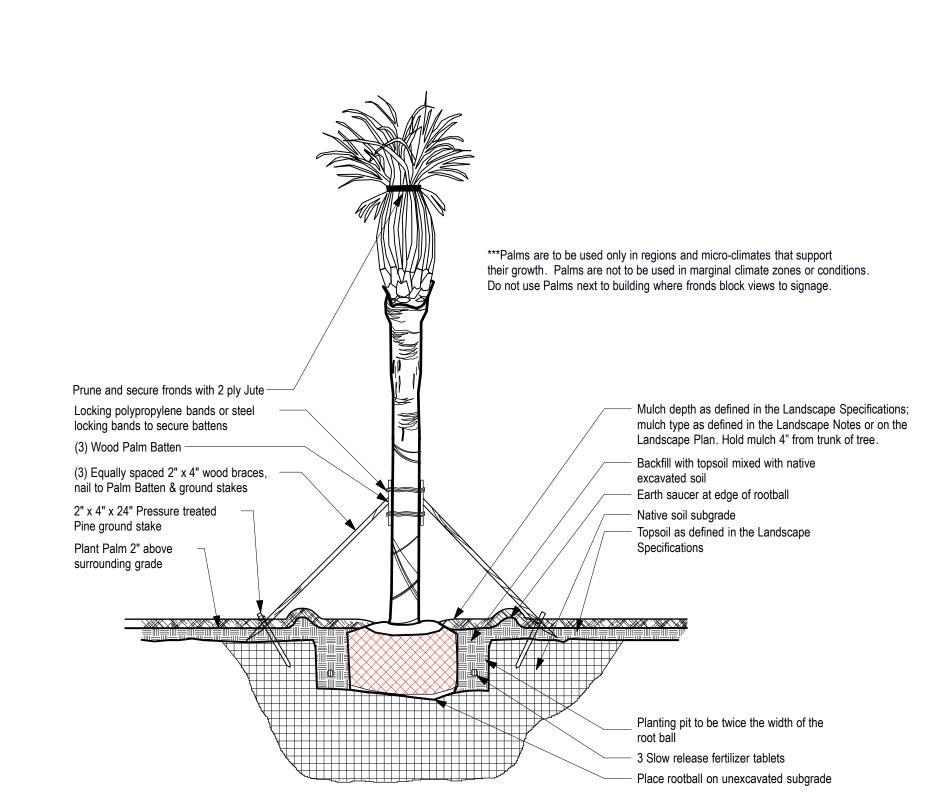


TREE PLANTING & STAKING SCALE: NTS









TREE PROTECTION FENCING DETAIL
SCALE: NTS

7 PALM PLANTING & STAKING DETAIL
SCALE: NTS





770.442.8171 tel 770.442.1123 fax

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

manleylanddesign.com

oconut Creek 70 N. State Road 7

FSU# 3841

REVISION SCHEDULENO.DATEDESCRIPTION14/30/18City Comments27/27/18City Comments48/10/18City Comments/Site Change510/3/18City Comments/Site Change

MLD PROJECT # 2017161

PRINTED FOR Permit

DATE 11.21.17

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.

uthorized project representatives.

± Landscape Details **E**

SHEET NUMBER

L-102

LANDSCAPE SPECIFICATIONS

PART 1 - GENERAL

Provide trees, shrubs, ground covers, sod, and annuals/perennials as shown and specified on the

- landscape plan. The work includes: Soil preparation
- 2. Trees, shrubs, ground covers, and annuals/perennials

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

- Planting mixes. 4. Top Soil, Mulch and Planting accessories.
- Maintenance.

Decorative stone.

Related Work:

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 of 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.

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

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

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
- 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
- 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
- d. Plants shall be in a moist, vigorous condition, free from dead wood, bruises, or other root

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
- 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 much 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. Needles 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

Guying/Staking:

- Arbortie: Green (or white) staking and guying material to be flat, woven, polypropylene material, 3/4" wide 900 lb. break strength. Arbortie 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.

injuring the plants. Gently brush the mulch off the plants.

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

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, muddle 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.

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:

acceptance.

- Inspect trees for injury to trunks, evidence of insect infestation, and improper pruning
- 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
- d. Tree wraps are temporary and no longer needed once the trees develop corky bark.
- Staking/Guying: a. Stake/guy all trees immediately after lawn sodding operations and prior to
- 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 tree, 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
- 4. Remove all guying and staking after one year from planting.

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

lawns free of insects and disease

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

- 1. Re-set settled plants to proper grade and position. Restore planting saucer and adjacent material and remove dead material 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.

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

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.

Any work performed in addition to that which is outlined in the contract shall only be done upon

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

written approval by the Owner's Representative (General Manager of the restaurant).

Landscape Trees and Shrubs

Manganese

Potassium (K2O)

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

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

3 pounds per acre

50 pounds per acre

450 pounds per acre

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

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

Prior to moving, all trash, sticks, and other unwanted debris shall be removed from lawns, plant publication on insect control on landscape plant material. beds, and paved areas.

Warm season grasses (i.e. Bermuda grass) shall be maintained at a height of 1" to 2" during 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. Caution: Weed eaters should NOT

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.

be used around trees because of potential damage to the bark.

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

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

TREES, SHRUBS, & GROUND COVER

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.

- 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
- for seasonal decoration. However, severe pruning of evergreens should be done in early 5. Broadleaf evergreen shrubs shall be hand-pruned to maintain their natural appearance

4. Hollies and other evergreens may be pruned during winter in order to use their branches

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.

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. C. Pines may be lightly pruned in early June by reducing candles. 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,

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

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

SPRING CLEANUP

forsythia, deutzia, spiraea, etc.

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.

WEEDING

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. Ericaceous 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

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.

All beds shall be weeded on a continuous basis throughout the growing season to maintain a

INSECT & DISEASE CONTROL: TREES, SHRUBS & GROUNDCOVER

and when applicable and in accordance with the product's label.

applied to the soil to inhibit the growth of future weeds.

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

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 plan 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.

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

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.
- 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

such as 10-10-10 may be necessary in late summer. Or, apply liquid fertilizations of

until the first killing frost and then removed, unless otherwise directed by the owner.

2. Allow leaves of daffodils and hyacinths to remain for six weeks after flowers have faded.

- 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

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

- 1. After initial installation, if a time-released fertilizer has been incorporated during plant
- installation, no more fertilizer need be applied the first growing season. 2. The following year:
- a. Fertilize perennials with a slow-release fertilizer or any 50% organic fertilizer, or
- mulch perennials with compost 1" deep.
- b. Cut all deciduous perennials flush to the ground by March 1, if this was not done the
- previous fall, to allow new growth to develop freely. c. Mulch the perennial bed once in early spring at 1"-2" depth. If soil is bared in late
- fall, re-mulch lightly after ground is frozen to protect perennials. d. Inspect for insect or disease problems on perennials. Monitor and control slugs on hostas and ligularias. Powdery mildew on phlox, monardas, and asters can be
- prevented with properly timed fungicides or use of disease-resistant varieties. e. Weed perennial bed as specified in "WEEDING" above. f. Prune branching species to increase density. Cut only the flowering stems after
- blooming. Do not remove the foliage. 3. The following fall cut back deteriorating plant parts unless instructed to retain for winter

Some need frequent dividing, e.g. asters and yarrow every two years; other rarely, if

- interest, e.g. Sedum Autumn Joy and ornamental grasses. 4. Long-term Care: a. Divide plants that overcrowd the space provided. Divide according to the species.
- ever, e.g. peonies, hostas, and astilbe b. For detailed information regarding the care of specific perennials, refer to All About Perennials by Ortho; Perennials: How to Select, Grow and Enjoy by Pamela Harper and Frederick McGouty, Hp Books Publisher; Herbaceous Perennial Plants: A Treatise on their Identification, Culture and Garden Attributes by Allan Armitage,

SUMMARY OF MAINTENANCE

runners to maintain clean defined beds.

Stipes Pub LLC.

- LAWN MAINTENANCE 1. Soil analysis performed annually to determine pH. If pH does not fall within specified
- range, adjust according to soil test recommendations. 2. Maintain proper fertility and pH levels of the soil to provide an environment conducive to
- turf vitality for cool season grasses 3. Mow warm and cool season on a regular basis and as season and weather dictates. Remove no more than the top 1/3 of leaf blade. Clippings on paved and bed areas will
- be removed. 4. Aerate warm season turf areas to maintain high standards of turf appearance.
- 5. Apply pre-emergent to turf in two applications in early February and early April to extend
- 6. Apply post emergent as needed to control weeds. Mechanically edge curbs and walks. 8. Apply non-selective herbicide, to mulched bed areas and pavement and remove excess

TREE, GROUNDCOVER, AND SHRUB BED MAINTENANCE 1. Prune shrubs, trees and groundcover to encourage healthy growth and create a natural

- appearance. Pre-emergent (soil-applied) and post-emergent (foliar-applied) herbicides shall be used where 2. Mulch to be applied in February/March with a half rate in late summer to top dress.
 - 4. Manual weed control to maintain clean bed appearance 5. Apply fungicides and insecticides as needed to control insects and disease.

a balanced material (January/February, April/May, and October/November)

2. Inspect grounds on a monthly basis and schedule inspection with Unit Operator.

6. Ornamental shrubs, trees and groundcovers to be fertilized three (3) times per year with

8. Remove all litter and debris.

7. Edge all mulched beds.

GENERAL MAINTENANCE 1. Remove all man-made debris, blow edges.

3. Apply pre-emergent herbicides in February and April.

5200 Buffington Road

Atlanta, Georgia 30349-2998



770.442.1123 fax Manley Land Design, Inc. 51 Old Canton Street

Alpharetta, Georgia 30009

manleylanddesign.com

ek O 0

FSU# 3841

REVISION SCHEDULE

7/27/18 City Comments 8/10/18 City Comments/Site Change 10/3/18 City Comments/Site Change MLD PROJECT # 2017161

Information contained on this drawing and in all digital files

produced for above named project may not be reproduced ir any manner without express written or verbal consent from

Permit

11.21.17

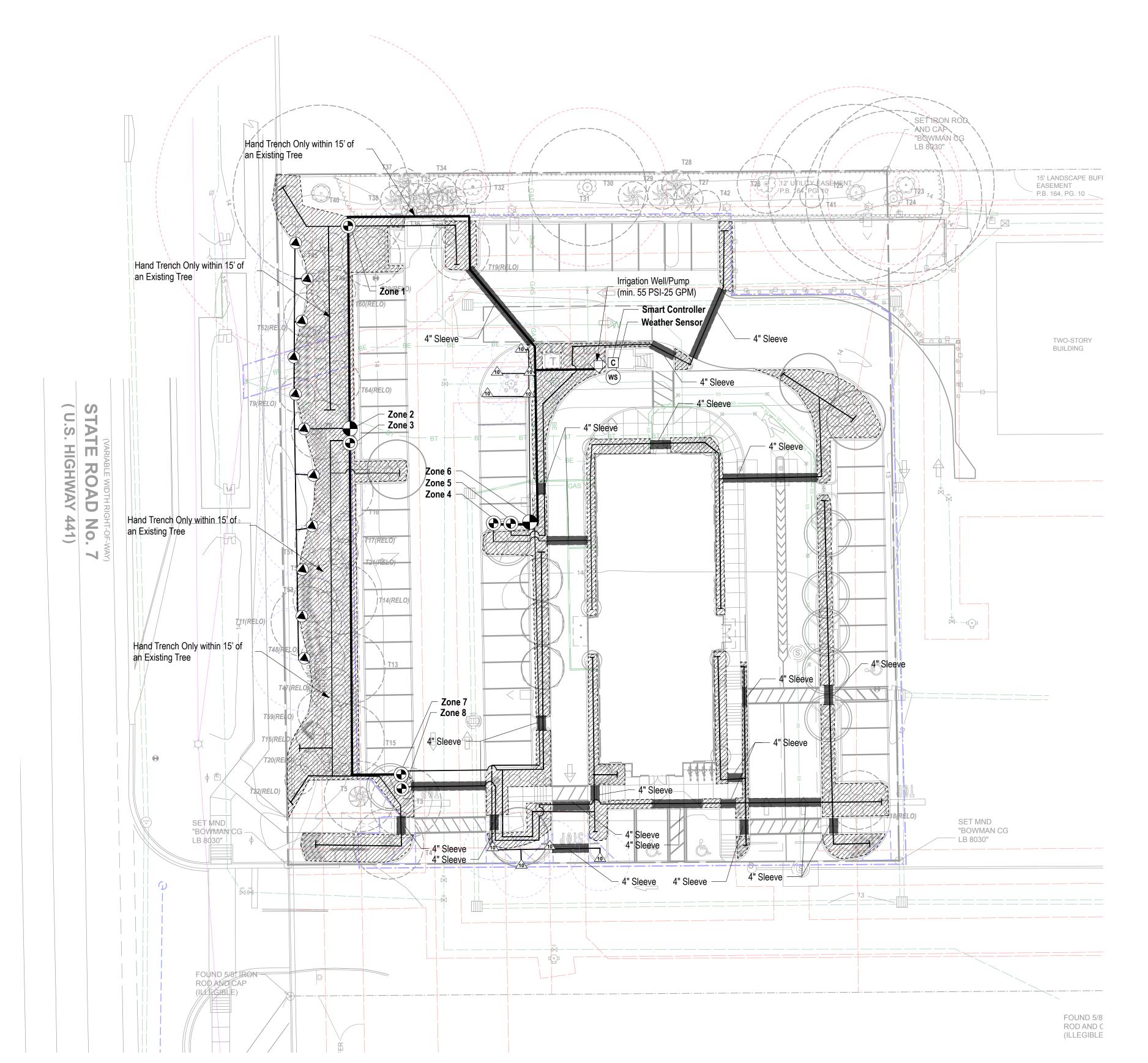
4/30/18 City Comments

authorized project representatives. **±** Landscape & **E** Maintenance

PRINTED FOR

DRAWN BY

Specifications



IRRIGATION ZONES

SMART CONTROLLER

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

NOTE:

SEE SHEET L-201 FOR IRRIGATION DETAILS

IRRIGATION NOTES

- Irrigation contractor is responsible for locating and protecting all underground utilities prior to trenching. Pressure regulator required by local code if static water pressure at point of connection for site is greater than
- 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
- 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

IRRIGATION WELL AND PUMP WELL AND PUMP SHALL PRODUCE A MIN. 55 PSI AND 25 GPM 1 REQUIRED 1" MANUAL SHUTOFF VALVE BACKFLOW PREVENTER (AS REQUIRED) AS REQUIRED BY CITY

1" ELECTRICAL MASTER VALVE 1 REQUIRED

LANDSCAPE DRIPLINE RAINBIRD XFD-09-18

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

1" ELECTRIC VALVE

0-360 VARIABLE ARC SPRAY NOZZLE - 10' RADIUS

1" DRIP CONTROL ZONE VALVE

AUTOMATIC SMART CONTROLLER

WEATHER SENSOR

MAINLINE AND LATERAL LINE

IRRIGATION SLEEVE - 4" SCH 40 PVC

RAINBIRD RD1800-S-P45-RVAN1724

RAINBIRD 1800-PRS-HE-VAN-10

RAINBIRD 100-PGA

RAINBIRD XCZ-100-PRB-COM RAINBIRD ESP-SMTe (120V required); expansion modules as needed

INCLUDED W/T CONTROLLER

CLASS 200 PVC IRRIGATION PIPE AND FITTINGS -

1.5" MAINLINE, 1" LATERAL LINES

4" SCH 40 PVC SLEEVE UNDER PAVEMENT installation of sleeves by contractor in location as shown on plan.





770.442.8171 tel 770.442.1123 fax

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

manleylanddesign.com

reek 4670 N. State Road Coconut Creek, FL conut

FSU# 3841

DATE DESCRIPTION
4/30/18 City Comments City Comments

City Comments/Site Change 10/3/18 City Comments/Site Change

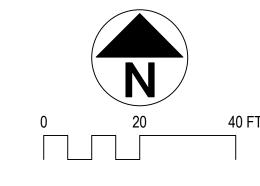
MLD PROJECT # 2017161 PRINTED FOR Permit 11.21.17

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.

≝ Irrigation Plan

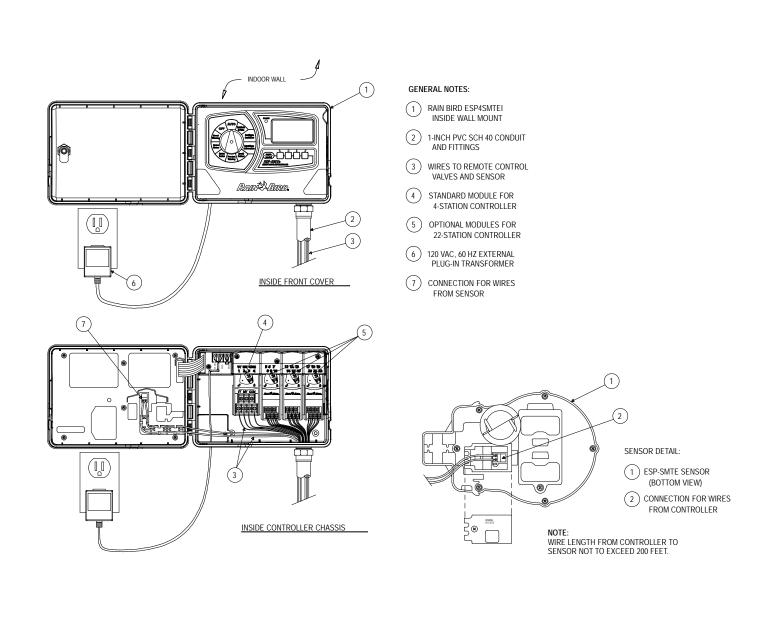
SHEET NUMBER

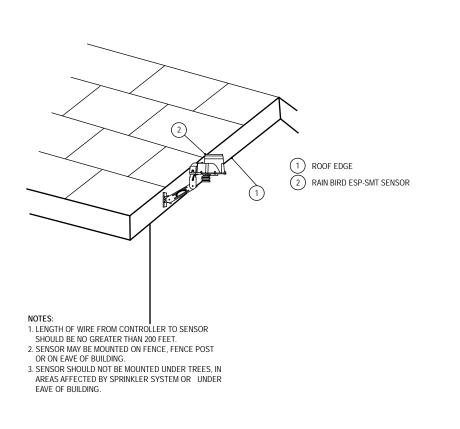
L-200

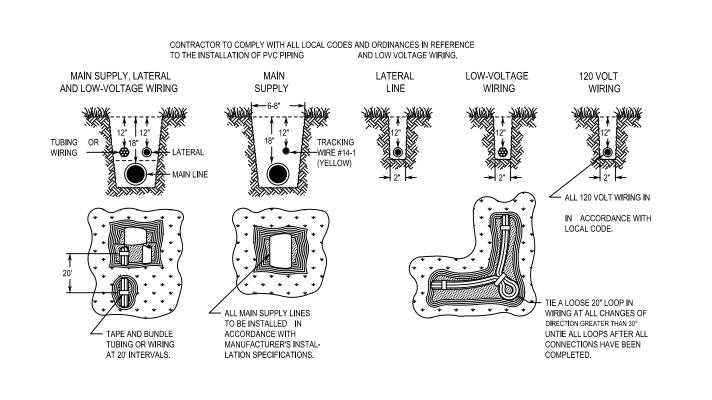


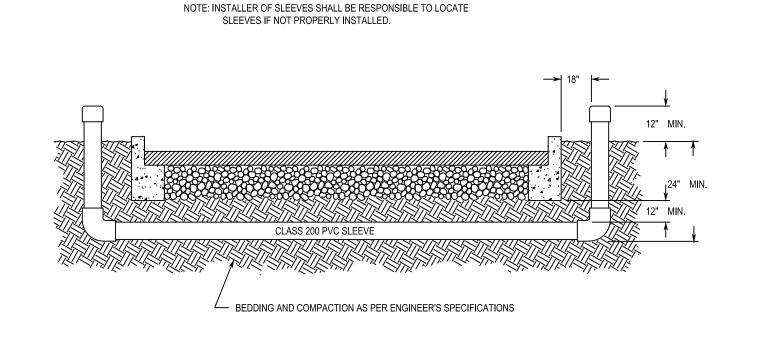
Irrigation contractor shall provide an as built drawing to the landscape architect. This drawing shall be overnighted to Manley Land Design, Inc within 24 hours of completion of installation.

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.







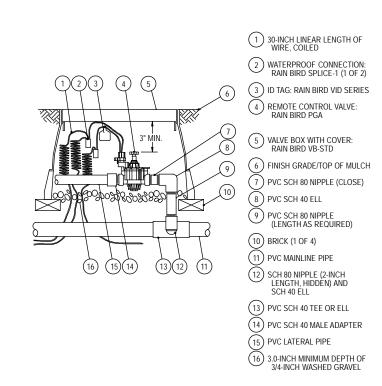


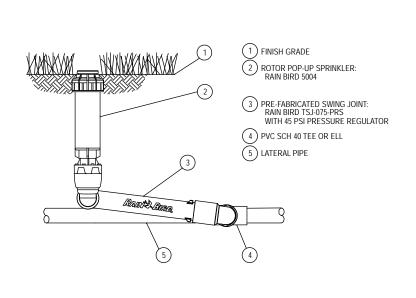


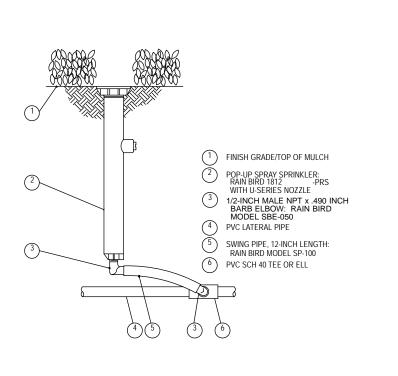


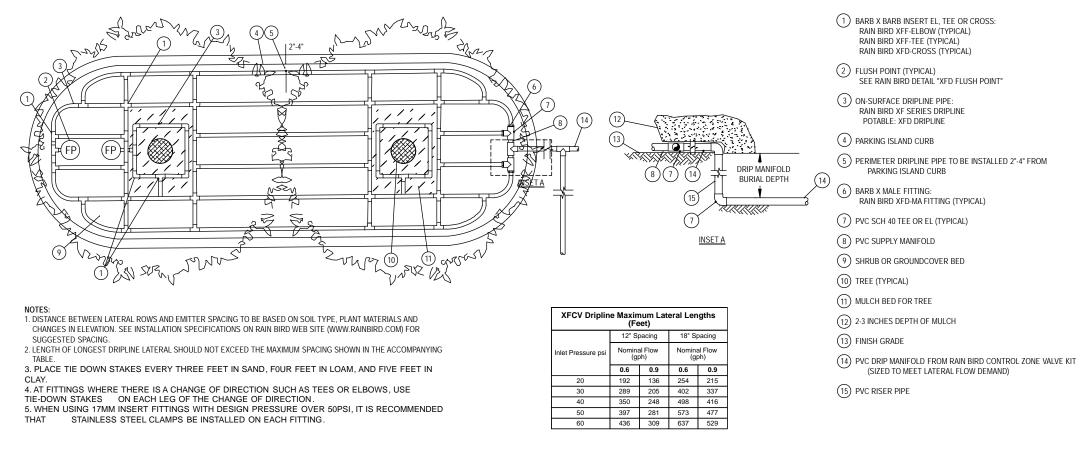










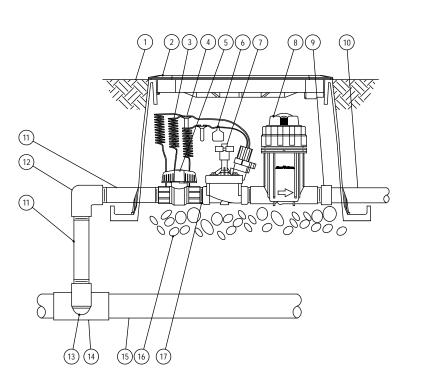


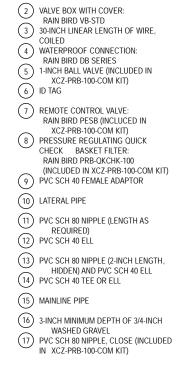
IRRIGATION VAVLE: 100-PGA



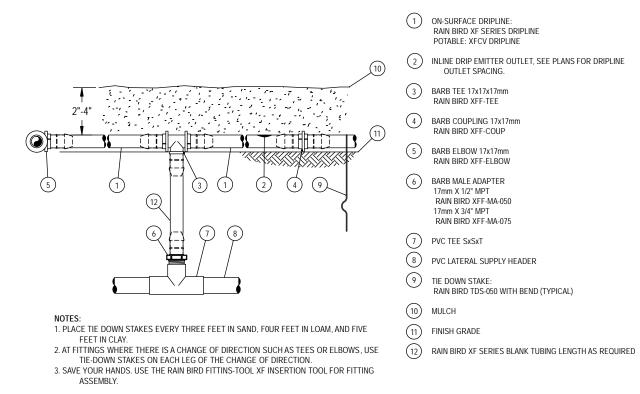


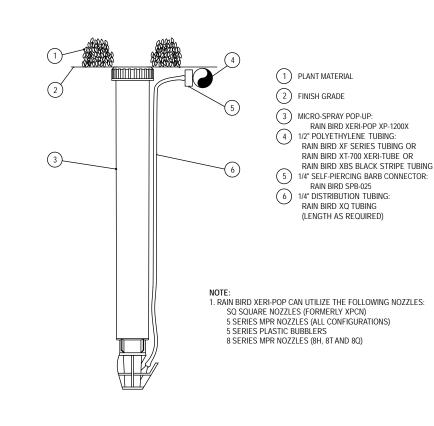


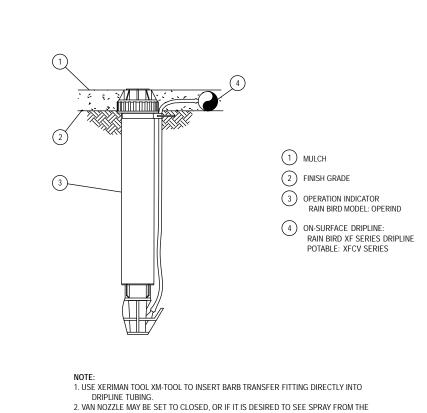


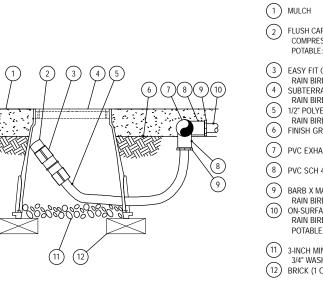


FINISH GRADE/TOP OF MULCH









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 7XB
1/2" POLYETHYLENE TUBING:
RAIN BIRD XF BLANK TUBING (6) FINISH GRADE 7) PVC EXHAUST HEADER 8) PVC SCH 40 TEE OR EL 9) BARB X MALE FITTING: RAIN BIRD XFF-MA FITTING (TYPICAL) (10) ON-SURFACE DRIPLINE: RAIN BIRD XF SERIES DRIPLINE POTABLE: XFCV DRIPLINE (11) 3-INCH MINIMUM DEPTH OF 3/4" WASHED GRAVEL
12) BRICK (1 OF 2)

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





NOZZLE, SET THE ARC TO 164 PATTERN. THE FLOW FROM THE NOZZLE, 0.3 GPM, SHOULD BE ACCOUNTED FOR IN THE SYSTEM DESIGN.

DRIP: DRIPLINE FLUSH POINT SCALE: NTS





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

manleylanddesign.com

30 oad , FL Ŭ 0 4670 N. Cocont 0

FSU# 3841

REVISION SCHEDULE DATE DESCRIPTION
4/30/18 City Comments City Comments 8/10/18 City Comments/Site Change 10/3/18 City Comments/Site Change

MLD PROJECT # 2017161 PRINTED FOR Permit 11.21.17

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

L-201

DRIP VALVE: XCZ-PRB-100-COM

DRIP: ON-SURFACE RISER ASSEMBLY

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

REFERENCES

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

PERFORMANCE REQUIREMENTS

installation completion.

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

QUALITY ASSURANCE

- A. 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.
- B. All work shall be performed in accordance with the best standards of practice relating to the trade. C. 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

WARRANTY

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

PART 2 - PRODUCTS

PIPE AND FITTINGS

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

AUTOMATIC CONTROLLER

- A. Irrigation controller specifications include but are not limited to: 1. The controller shall be of a hybrid type that is microelectronic circuitry capable of fully automatic
- 2. All stations shall have the capability of independently obeying or ignoring the weather sensor as
- well as using or not using the master valve.
- 3. The controller shall have the capability of shutting off the system on rainy days. B. 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) 1. Control Valve (CV) component specifications include:
- a. Valve body and bonnet constructed of high impact, weather-resistant plastic, stainless steel and other chemical/ultra-violet resistant materials.
- b. One unit diaphragm constructed of durable Buna-N rubber with a clog resistant metering
- Inlet pressure rating of 15 to 150 psi (1.0 to 10.3 bar).
- Pressure Regulating Filter (PRF) component specifications include: a. Compact "Y" filter body and cap configuration constructed of glass-filled, ultra-violet
- resistant polypropylene, with 150 psi (10.3 bar) operating pressure rating. b. 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). 3. Regulated pressure of 40 psi (2.8 bar). C. 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).
- 1. Low flow valve (LFV) component specifications include: a. Valve body and bonnet constructed of high impact, weather-resistant plastic, stainless steel
- and other chemical/ultra-violet resistant materials. b. 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).
- 2. Pressure regulating filter (PRF) component specifications include: a. Compact "Y" filter body and cap configuration constructed of glass-filled, ultra-violet
- resistant polypropylene, with 150 psi (10.3 bar) operating pressure rating. b. 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

- A. 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:
- 1. 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.
- 2. 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. 3. Recessed debris pockets located in the base of the spray body to prevent recirculation of
- harmful debris during operation. 4. Shall include a check valve to prevent low head drainage of up to 14 feet (4.3 m); 6 psi (0.4
- 5. Shall include technology built into the stem to prevent water loss and alert maintenance when a
- spray nozzle is removed 6. 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.
- 7. Shall include ½" (15/21) NPT female threaded bottom inlet. 8. The spray body, stem, nozzle, and screen shall be constructed of heavy-duty and ultra-violet
- resistant plastic B. 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: 1. Parts and components to withstand harsh operating conditions using chemically treated recycled water (reclaimed/non-potable), dirty water containing grit, debris, and other
- ultra-violet light. 2. 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

particulates, high operating pressures common in commercial irrigation and resistant to

- installed on the same valve. 3. Recessed debris pockets located in the base of the spray body to prevent recirculation of harmful debris during operation.
- 4. Shall include a check valve to prevent low head drainage of up to 14 feet (4.3 m); 6 psi (0.4
- 5. Shall include technology built into the stem to prevent water loss and alert maintenance when a spray nozzle is removed.
- 6. 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. 7. Shall include ½" (15/21) NPT female threaded bottom inlet.
- 8. The spray body, stem, nozzle, and screen shall be constructed of heavy-duty and ultra-violet resistant plastic.

SPRAY NOZZLES

- A. 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.
- 2. Shall contain a stainless steel flow and radius adjustment screw allowing up to 25% radius
- 3. Nozzle shall have a precipitation rate that is matched across sets and patterns of spray nozzles
- 4. Shall include color coding marking on top of nozzle for easy identification of spray radius. B. 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: 1. Shall be constructed of ultra-violet resistant plastic.

precipitation rate fixed spray nozzles up to 15 feet (4.6 m).

- 2. Shall contain a stainless steel flow and radius adjustment screw allowing up to 25% radius
- 3. 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
- 4. Shall include color coding marking on top of nozzle for easy identification of spray radius. C. Multi stream rotating nozzle for small turf areas (8-24 feet (2.4-7.4m), maximum 55 psi (3.8 bar)
- specifications include but are not limited to:
- 1. Shall be constructed of ultra-violet resistant plastic.
- 2. 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). 4. Shall have a color coded radius reduction plug to allow for easy identification of fixed arc

ROTOR HEADS

- A. 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:
- 1. Shall have adjustable arc rotation of 40 to 360 degrees (0.7 to 6.3 rad) and reversing full circle
- 2. Shall have a flow shut-off device that is integrated into the flow path of the sprinkler. 3. Shall have a pressure-activated, multi-function wiper seal that protects internals from debris
- and assures positive pop-up and retraction.
- 4. Shall contain additional o-rings and seals for extra protection in "gritty" water.
- 5. 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).
- 7. The body, stem, nozzle, and screen shall be constructed of heavy-duty and ultra-violet resistant 8. Shall include a 45 psi (3.1 bar) pressure regulating device to prevent high pressure misting to
- the nozzle stream 9. 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. 10. 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

- A. Swing pipe specifications include but are not limited to:
- 1. 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).
- 2. Pipe shall be capable of a flow up to 8 gpm (0.5 l/s).

DRIPLINE

- A. Distribution tubing specifications include but are not limited to:
- 1. 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
- 2. The tubing shall be dual-layered (brown over black).

INLINE EMITTER DRIPLINE

- A. Sub-surface inline emitter tubing specifications include but are not limited to: 1. 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). 2. 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. 3. Operating pressure range of 8.5 to 60 psi (0.6 to 4.1 bar).
- 4. Operating emitter flow rates of 0.6 and 0.9 gph (2.3 l/hr and 3.5 l/hr).

DISTRIBUTION TUBING

- A. ¼" distribution tubing for emitters and other devices specifications include but are not limited to: 1. 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

2. Operating pressure range from 0 to 60 psi (0 to 4.1 bar).

EMITTERS

- A. Point source emission device specifications include but are not limited to:
- 1. The emitter shall be constructed of ultra-violet resistant acetyl materials. 2. 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). 3. 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

- A. Valve boxes specifications include but are not limited to:
- 1. Shall be made of structural foam HPDE resin that is resistant to ultra-violet light, weather, moisture and chemical action of soils.
- 2. Lids shall be clearly marked with the words "IRRIGATION CONTROL VALVE" molded onto the 3. Lid colors are available in black, green and purple designating non-potable water use.

PART 3 - EXECUTION

EXCAVATION

- A. 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. B. Excavate trenches for irrigation system pipe to provide minimum cover per plans and details. C. Barricade trenches that are left open overnight.

INSTALLATION

- A. General: Plans are diagrammatic. Proceed with installation in accordance with the following: 1. 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. a. Coordinate with the General Contractor the responsible for installing the backflow preventer
 - and other irrigation items at the connection point. b. Coordinate with the General Contractor the for exact location of the irrigation connection
 - 2. 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.
- B. Piping: Assemble all mainline and lateral lines in accordance with manufacturer's
- recommendations with no cul-de-sacs. Assure positive drainage.
- C. 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. 2. General Contractor shall stub-up and flag sleeve locations for the Irrigation Contractors ease of
- 3. Sleeve locations shall be approximate to that shown on the Irrigation Plan.
- D. Control Valves: Install one valve per valve box and provide 12 inches of expansion loop slack wire at all
- E. Manual Drains: 1. Install per manufacturer's recommendations on upstream and downstream side of backflow preventers and at lowest point along main pressure pipe.
- F. Quick-Coupling Valves:
- 1. Install using 1 inch PVC nipples and schedule 40 ells as detailed. Location as indicated on G. Backflow Preventer:
- 1. 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.
- 2. Install assemblies with drain valves in below grade installations. Provide open box floor with gravel drain sump.
- H. 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. 2. 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,
- 3. Place washed gravel aggregate in sump as shown on details. I. Automatic Controller
- 1. Properly ground controller per local laws and regulations. Make all control wire connections to
- automatic controller. Coordinate controller installation with other electrical work. 2. Connect remote control valves to controller in numerical sequence as shown on Plans.
- J. Wire and Electrical Work

sidewalks, or driveways.

connections inside valve box.

- Use electrical control and ground wire suitable for sprinkler control cable. 2. Provide 120-volt power connection (by others) to automatic controller to conform to local codes,
- ordinances and authorities having jurisdiction. 3. Low Voltage Wiring: a. 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.
- b. 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. d. Run 2 spare #14-1 wires from controller pedestal or electric control valve on each and
- every leg of mainline K. Sprinkler Heads, Emitters, Rotators, and Rotors
- 1. Flush circuit piping with full head of water and install sprinklers after hydrostatic text is
- 2. Adjust nozzles to allow for adequate coverage and to minimize overspray onto walks, roads,
- driveways, and buildings. 3. Stake emitter tubing with 1/4" Rainbird® TS-025 tubing stakes
- 4. 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.
- L. Drip Tubing 1. 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). 2. Install flush caps as indicated on details.
- 3. Install drip indicator on all drip zones.
- M. Thrust Blocks and/or Joint Restraints 1. Install on pipe sized 2" or larger wherever the main pipe line:
- a. Changes any direction at tees, angles, and crosses vertical and horizontal.
- b. Changes at reducers. c. Stops at a dead-end.

d. Valves at which thrust develops when closed. BACKFILLING

- A. Do not begin backfilling operations until system tests and approvals have been completed.
- B. 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. C. 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
- D. Prevent soil, rocks, or debris from entering pipes or sleeves.

FLUSHING AND TESTING

INSPECTION

A. 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 furthermost valves. Cap risers after flushing.

A. Arrange for Owner's presence 48 hours in advance of inspection walk-through. B. 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. C. Operate each zone in its entirety for Owner at time of walk-through and open all valve boxes as
- D. 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.

E. As necessary Owner will generate a list of items to be corrected prior to Final Acceptance RESTORATION AND CLEANING

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

5200 Buffington Road



Atlanta, Georgia 30349-2998

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

770.442.1123 fax

manleylanddesign.com

a 7 O

FSU# 3841

REVISION SCHEDULE

4/30/18 City Comments 7/27/18 City Comments 8/10/18 City Comments/Site Change

10/3/18 City Comments/Site Change

2017161

PRINTED FOR Permit 11.21.17 DRAWN BY

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.

E Specifications

MLD PROJECT #

SHEET NUMBER

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

*3.1 | 3.8 | 4.1 | 3.9 | 3.2 | 3.5 | 3.6 | 3.2 | 3.9 | 4.8 | 5.1 | 5.1 | 4.6 | 4.3 | 3.9 | 3.3 | 4.8 | 4.6 | 6.6 | 6.3 | *0.1 *0.2 *0.2 *0.4 | *0.1 *0.3 /*2.6 | *3.0 | *3.3 | *3.0 | *2.6 | *2.6 **2.9 ** $\overset{\times}{3}.0$ $\overset{\times}{3}.1$ $\overset{\times}{3}.4$ $\overset{\times}{3}.4$ $\overset{\times}{3}.6$ $\overset{\times}{3}.7$ $\overset{\times}{4}.5$ $\overset{\times}{5}.2$ $\overset{\times}{3}.8$ $\overset{\times}{3}.5$ $\overset{\times}{4}$ $\overset{\times}{3}$ $\overset{\times}{3}$ $\overset{\times}{3}$ $\overset{\times}{4}$ $\overset{\times}$ 3.5 2.0 1.3 $^{\circ}$ *18 $^{\circ}$ *1.5 $^{\circ}$ *1.6 $^{\circ}$ *1.8 $^{\circ}$ *1.9 $^{\circ}$ *1.9 $^{\circ}$ *1.9 $^{\circ}$ *1.9 $^{\circ}$ *2.4 $^{\circ}$ *2.5 $^{\circ}$ *2.0 $^{\circ}$ *1.9 $^{\circ}$ *1.6 $^{\circ}$ *1.6 $^{\circ}$ *1.5 $^{\circ}$ *1.6 $^{\circ}$ *1.8 $^{\circ}$ *1.9 $^{\circ}$ $0.2 \quad {}^{\circ}0.4 \quad {}^{\times}0.6 \quad {}^{\circ}0.8 \quad {}^{\times}1.2 \quad {}^{\circ}1.8 \quad {}^{\circ}1.7 \quad {}^{\circ}1.7 \quad {}^{\circ}2.0 \quad {}^{\circ}$ *2 4∕ *1.0 *0.9 <u>*1.0 *1.1 *1.</u>9 *2.0 *1.8 *1.9 *1.9 *1.8/ *1.7 **|** *1.4 | [†]1.5 \ [†]1.5 | [†]1.2 | [†]0.9 [†]0.6 [†]0.5 [†]0.3 [†]0.2 CAN - CAN OA2 $*_{2.8}$ $*_{2.1}$ $*_{2.2}$ $*_{2.1}$ $*_{2.1}$ $*_{2.3}$ $*_{3.3}$ $*_{3.5}$ $*_{4.0}$ $*_{4.3}$ $*_{4.2}$ $*_{3.6}$ $*_{2.8}$ $*_{2.0}$ $0.3 \quad {}^{*}0.5 \quad {}^{*}0.8 \quad {}^{\underbrace{\hspace{1cm}} 1.1 \quad } 1.7 \quad {}^{\times}2.7 \quad {}^{\times}3.1 \quad {}^{\times}2.8 \quad {}^{\times}3.5$ 10.3 *0.5 *0.9 ×1.1 ×1.7 ×2.6 ×3.1 ×2.9 ×4.0 ×3.4 *5.4 | *2.6 | *2.2 *2.6 | *2.0 | *2.2 | *2.5 | *3.0 *3.3 *3.2 *3.3 *3.3 *3.0 *2.3 *1.6 10.3 *0.6 *0.9 | 1 × 1.2 × 1.7 | × 2.6 | × 3.0 × 2.9 × 4.0 | × 3.4 × 1.17 • OA2 $\begin{bmatrix} *4.1 \end{bmatrix} \begin{bmatrix} *2.4 \end{bmatrix} \begin{bmatrix} *2.4 \end{bmatrix} \begin{bmatrix} *2.3 \end{bmatrix} \begin{bmatrix} *2.4 \end{bmatrix} \begin{bmatrix} *2.4 \end{bmatrix} \begin{bmatrix} *2.4 \end{bmatrix} \begin{bmatrix} *2.4 \end{bmatrix} \begin{bmatrix} *2.8 \end{bmatrix} \begin{bmatrix} *4.0 \end{bmatrix} \begin{bmatrix} *3.3 \end{bmatrix} \begin{bmatrix} *3.2 \end{bmatrix} \begin{bmatrix} *3.1 \end{bmatrix} \begin{bmatrix} *2.9 \end{bmatrix} \begin{bmatrix} *3.1 \end{bmatrix} \begin{bmatrix} *4.5 \end{bmatrix} \begin{bmatrix}$ $\| ^*4.7 \| ^*2.7 \| ^*3.2 \| ^*3 4 \| ^*3.4 \| ^*3.3 \| ^*2.7 \| ^*2.8 \| ^*3.7 \| ^*3.6 \| ^*3.4 \| ^*3.3 \| ^*3.1 \| ^*3.0 \| ^*1.6 \| ^*3.7 \| ^*3.6 \| ^*3.4 \| ^*3.3 \| ^*3.1 \| ^*3.0 \| ^*1.6 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*3.1 \| ^*$ [†],0.0 [†]0.1 [†]0.1 0.2 *6.8 | *3.3 *3.8 *4 3 | *4.5 | *4.0 | *3.1 | *3.0 *2.9 *2.4 *2.3 *2.2 *2.0 *2.0 *1.4 **b**.3 *0,6 *1.1 | | ×1.6 ×2.2 | ×3.4 ×3.9 ×3.0 ×3.7 | *\$.3 *1.5 *).4 *0.7 *1.2 | *1.8 *2.5 | *3.3 *3.3 *3.3 *4.3 | *3.7 *2.4 †0.0 †0.0 | †0.0// /†0.0 †0.1 | †0.1 | †0.2 $^{+}0.0$ $^{+}0.0$ $^{+}0.0$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.2$ * *3.2 *2.7 *3.0 *2.8 * 2.9 *2.6 *2.2 *2.4 *2.3 *2.0 *1.9 *1.8 *1.6 *1.6 $*6.7 \mid *2.9 \mid *3.1 \mid *3.2 \mid *3.3 \mid *2.8 \mid *2.4 \mid *2.5 \mid *2.7 \mid *2.3 \mid *2.2 \mid *2.0 \mid *1.9 \mid *2.0$ $^{+}0.0$ $^{+}0.0$ $^{+}0.0$ $^{+}0.0$ $^{+}0.0$ $^{+}0.0$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.2$ $^{+}0.3$ $^{+}0.3$ $^{+}0.4$ $^{+}0.7$ $^{*}1.0$ $^{+}1.2$ $^{*}1.2$ $^{*}1.8$ $^{+}2.7$ $^{*}3.1$ $^{*}2.8$ $^{*}3.8$ $^{+}2.9$ $^{*}0.8$ *(8 *1.1 *1.4 *1.8 *2.4 *3.0 *2.8 *2.8 *2.8 *2.8 *2.8 *2.8 *3.0 *2.8 *3.0 *3.5 *3.6 *3.8 *3.9 *3.6 *3.8 *3.9 *3.8 *2.9 *3.6 *3.9 *3.8 *2.9 *3.6 *3.9 *3.8 *2.9 *3.6 *3.9 *3.8 *2.9 *3.6 *3.9 *3.8 *2.9 *3.6 *3.9 *3.8 *2.9 *3.6 *3.9 *3.8 *3.9 *3.8 *3.6 *3.8 *3.6 *3.1 *2.4 *3.0 *3.5 *3.6 *3.8 *3.6 *3.1 *2.4 *1.7 *2.7 *3.3 *2.8 *2.8 *2.8 *3.1 *3.4 *3.2 *3.0 *3.0 *3.8 *4.1 *4.5 *5.0 *4.6 *3.8 *2.9 $^{+}0.0$ $^{+}0.0$ $^{+}0.0$ $^{+}0.0$ $^{+}0.1$ $^{+}0.1$ $^{+}0.2$ $^{+}0.3$ $^{+}0.4$ $^{+}0.7$ $^{+}0.9$ $^{*}1$ $^{*}1$ $^{*}1.5$ $^{*}1.7$ $^{*}2.0$ $^{*}2.1$ $^{*}2.3$ $^{*}1.9$ $^{*}1.9$ $^{*}1.9$ $^{*}1.9$ $^{*}1.3$ Tex-S144

Tex-S1

2





PRINTED
FOR
DATE

DRAWN BY

Information contained on this drawing a produced for above named project may any manner without express written or authorized project representatives.

SHEET

DISCIPLINE'S PROJECT

REVISION SCHEDULE
NO. DATE

SHEET PHOTOMETRIC SITE PLAN

FSR# 03841

2 07/27/18 Revised Site Permit Submittal

DESCRIPTION

2018-xxx

17173.CC.S

08/10/2018

Chick-fil-A

5200 Buffington Road

Atlanta, Georgia

30349-2998

& Associates 2900 Lebanon Pike, Ste 201

Nashville, Tennessee 37214

Email: mail@kurzynske.com

10/04/18

elephone: (615) 255-5203 Fax: (615) 255-5207

Kurzynske

HEET NUMBER

PH-1.0

PHOTOMETRIC SITE PLAN

3

OLWX1 LED LED Wall Luminaire

Introduction

Specifications 3 ____ 4.41___

The OLWX1 is versatile and energy efficient. It is designed to replace up to 250W metal halide while saving over 87% in energy costs. Whether you are mounting it to a recessed junction box, conduit/ through wiring, as an up light, as a down light, or as a flood light – the OLWX1 has all applications

Ordering Information

EXAMPLE: OLWX1 LED 20W 50K

OLWX1 LED					
Series	Performance Package	Color Temperature	Voltage	Controls	Finish
OLWX1 LED	13W 13 watts 20W 20 watts 40W 40 watts	40K 4000 K ¹ 50K 5000 K	(blank) MVOLT ² 120 120V ³ 347 347V	(blank) None PE 120V button photocell ^{1,3}	(blank) Dark bronze

Flush or backbox mount

Accessories Ordered and shipped separately. OLWX1TS Slipfitter – size 1 OLWX1YK Yoke – size 1 OLWX1THK Knuckle – size 1

1 Not available with 347V option. 2 MVOLT driver operates on any line voltage from 120-277V (50/60Hz). 3 Specify 120V when ordering with photocell (PE option).

FEATURES & SPECIFICATIONS

INTENDED USE The versatility of the OLWX1 LED combines a sleek, low-profile wall pack design with energy efficient, low maintenance LEDs for replacing up to 250W metal halide fixtures. Mounting accessories are available to convert the OLWX1 LED into an energy efficient flood light.

OLWX1 LED is ideal for outdoor applications such as building perimeters, loading areas, driveways and sign and building flood lighting.

CONSTRUCTION Cast-aluminum housing with textured dark bronze polyester powder paint for durability. Integral heat sinks optimize thermal management through conductive and convective cooling. LEDs are protected behind a glass lens. Housing is sealed against moisture and environmental contaminants (IP65 rated). See Lighting Facts label and photometry reports for details.

Light engine consists of 1 high-efficiency Chip On Board (COB) LED with integrated circuit board mounted directly to the housing to maximize heat dissipation and promote long life (L73/100,000 hours at 25°C). Electronic drivers have a power factor >90% and THD <20% and a minimum 2.5kV surge rating. Flood light mounting accessories include an additional 6kV surge protection device. LEDs are available in 4000K and 5000K CCTs.

INSTALLATION

Easily mounts to recessed junction boxes with the included wall mount bracket, or for surface mounting and conduit entry - with the included junction box with five 1/2" threaded conduit entry hubs. Flood light mounting accessories (sold separately) include knuckle, integral slipfitter and yoke mounting options. Each flood mount accessory comes with a top visor and vandal guard. Luminaire may be wall or ground mounted in downward or upward orientation

UL Listed to U.S. and Canadian safety standards for wet locations. Rated for -40° C minimum ambient. Tested in accordance with IESNA LM-79 and LM-80 standards. Design Lights
Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

5-year limited warranty. Complete warranty terms located at:

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

LITHONIA LIGHTING

One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • www.lithonia.com © 2014-2018 Acuity Brands Lighting, Inc. All rights reserved.

NOTE: FIXTURE "OB" IS LOCATED BEHIND "BAHAMA SHUTTER" AND IS OUT OF DIRECT SIGHT

FIXTURE 'OB'

PROJECT:

Halogen/incandescent

P5675-31

cover lens

metal shade

Cylinder 5" up/down cylinder with heavy duty aluminum construction and die cast wall bracket. Powder coated finish. Wet location listed when used with P8799 top

Category: Outdoor Finish: Black (powdercoat) Construction: Cast aluminum construction



Height: 14" Depth: 7-7/8" H/CTR: 7"

MOUNTING	ELECTRICAL	LAMPING	ADDITIONAL INFORMATION
Wall mounted Mounting strap for outlet box included Back plate covers a standard 4" hexagonal recessed outlet box 4-1/2" sq.	Pre-wired 6" of wire supplied 120V	Quantity: 2 75W PAR-30 or BR-30 8W LED R-20 30K Medium base porcelain sockets	cCSAus Damp location listed location listed 1 year warranty Companion fixtures are available

701 Millennium Blvd. Greenville, South Carolina 29607

www.progresslighting.com

Rev. 06/16

NOTE: FIXTURE "OA2" SHALL UTILIZE AN 8 WATT LED BULB SUPPLIED WITH FIXTURE. FIXTURE SHALL BE DOWNLIGHT ONLY

Schedule



B2 FIXTURE 'OA2'

FIXTURE "RL" ARE EXISTING DEVELOPER SITE LIGHITNG THAT SHALL BE RELOCATED B1 FIXTURE 'EX' & 'RL'

/ LITHONIA LIGHTING®

CONSTRUCTION — Rugged, die-cast, single-piece aluminum housing with nominal wall thickness of 1/8". Die-cast door frame has impact-resistant, tempered, glass lens (3/16" thick). Door frame is fully gasketed

Finish: Standard finish is dark bronze polyester powder finish. Additional architectural colors are available. **OPTICS** — Anodized segmented reflectors for superior uniformity and control. Reflectors attach with tool-

less fasteners and are rotatable and interchangeable. Five full cutoff distributions available: Type II (roadway),Type III (asymmetric), Type IV (forward throw), Type IV (wide, forward throw) and Type V (symmetric square).

ELECTRICAL — Ballast: Constant wattage autotransformer. Metal Halide: Super CWA (pulse start ballast),

88% efficient and DOE 2017 compliant, is required for 200-400W (SCWA option) for US shipments only. CSA,

NOM or INTL required for probe start shipments outside of the US. Pulse-start ballast (SCWA) required for 200W. Ballast is 100% factory-tested. All ballasts are mounted on a removable power tray with tool-less

Socket: Porcelain, horizontally-mounted, mogul-base socket with copper alloy, nickel-plated screw shell

LISTINGS — UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient and wet loca-

For shortest lead times, configure products using standard options (shown in bold).

ballast

wattage

isolated8

Note: For shipments

Accessories: Tenon Mounting Slipfitter

enon O.D. One Two@180° Two@90° Three@120° Three@90° Four@90°

2-3/8" AST20-190 AST20-280 AST20-290 AST20-320 AST20-390 AST20-490

2-7/8" AST25-190 AST25-280 AST25-290 AST25-320 AST25-390 AST25-490

4" AST35-190 AST35-280 AST35-290 AST35-320 AST35-390 AST35-490

FIXTURE "EX" ARE EXISTING DEVELOPER SITE LIGHTING THAT SHALL REMAIN

to U.S. territories,

SCWA must be

(blank) Magnetic SPA Square pole

CWI Constant RPA Round pole

specified to comply with EISA. AS adaptor (DM19 to RPA)

mounting

mounting

(up or down)9

adapter

WBA Wall bracket

Shipped separately 10,11

ASKMA2 Mast arm

SPA19/ Square pole AS adaptor (DM19 to SPA)

RPA19/ Round pole

Length: 28-1/2 (72.4)

Width: 17-1/8 (43.2)

Height: 8-3/8 (21.0)

*Weight: 40 lbs (18.2 kg)

*Weight as configured in example below.

All dimensions are inches (centimeters) unless otherwise indicated.

Shipped installed in fixture

(no photocontrol)

QRS Quartz restrike system¹²

HS Houseside shield

CSA CSA certified

NOM NOM certified8

Emergency circuit¹²

(SR2, SR3, SR4W)^{10,13}

INTL Available for MH probe start

REGC1 California Title 20 effective

PE1 NEMA twist-lock PE (120, 208,

PE3 NEMA twist-lock PE (347V)

PE4 NEMA twist-lock PE (480V)

PE7 NEMA twist-lock PE (277V)

Not available with 347 or 480V.

Must be ordered with SCWA.

These wattages require the REGC1 option

to be chosen for shipments into California

for Title 20 compliance. 250M REGC1 in not available in 347 or 480V.

Optional multi-tap ballast (120, 208, 240, 277V) (120, 277, 347V in Canada).

Consult factory for available wattage. Mounted in lens-up orientation, fixture is

Must use reduced jacket lamp.

Not available with SCWA.

Must specify CWI for use in Canada.

1/1/2010

Shipped separately¹⁰

SC Shorting cap

VG Vandal guard¹⁴

shipping outside the U.S.

SF Single fuse (120, 277, 347V) **DBL** Black

DF Double fuse (208, 240, 480V) DGC Charcoal gray

PER NEMA twist-lock receptacle only DMB Medium

INSTALLATION — Integral arm for pole or wall mounting. Optional mountings available.

Note: Actual performance may differ as a result of end-user environment and application.

roadway

type IV

throw, sharp

cutoff

forward throw

SR5S Segmented

WARRANTY — 1-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/CustomerResources/Terms and conditions.aspx

with one-piece tubular silicone. US. Patent No. D447,590. Canada Patent No. 94324.

FEATURES & SPECIFICATIONS

latch and have positive locking disconnect plug.

Specifications subject to change without notice.

200M1,2

400M^{3,4}

High pressure sodium 5

2505

template that requires an Aeris drilling pattern to be specified when ordering poles. See example below.

Example: SSA 20 4C DM19AS DDB

DM19AS 1 at 90 degrees
DM28AS 2 at 180 degrees
DM29AS 2 at 90 degrees

DM39AS 3 at 90 degrees
DM49AS 4 at 90 degrees
DM32AS 3 at 120 degrees

Aeris Drilling Pattern

OUTDOOR

250M³

and center contact.

tions. IP65 Rated.

INTENDED USE — Streets, walkways, parking lots and surrounding areas.

	CAPE AREA METH TOTAL INITIAL LUMENS PE	NOTES:				
FIXTURE MARK	FIXTURE TYPE	FULL CUTOFF	QUANTITY	LUMENS PER FIXTURE	TOTAL LUMENS	- 7.5 LUMENS ALLOWED PER S.F. OF HARDSCAPE
RL-S144	SITE LTG	YES	2	40,000	80,000	- HARDSCAPE AREA = 24,226 S.F.
RL-S144W	SITE LTG	YES	2	40,000	80,000	- TOTAL ALLOWED LUMENS: 24,226 X 7.5 = 181,695 LUMENS
OA2	BUILDING LTG	YES	17	628	10,676	
ОВ	CANOPY LTG	YES	1	1,260	1,260	
CAN	CANOPY LTG	YES	6	750	4,500	
				TOTAL	176,436	

Statistics						
Description	Symbol	Avg	Max 2	Min	Max/Min	Avg/Min
Calc Zone	+	1.2 fc	{ 10.0 fc }	0.0 fc	N/A	N/A
Lot Summary	Ж	2.4 fc	₹10,0 fc }	0.0 fc	N/A	N/A
Parking Lot Summary	×	2.8 fc	5.2 fc	0.4 fc	13.0:1	7.0:1

Symbol	Label	Quantity	Manufacturer	Catalog Number	Lamp	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage	Distribution
^ 	EX-S144	9	Lithonia Lighting	AS2 400M SR4SC (PULSE START)	ONE 400 WATT CLEAR ED28 PULSE START METAL HALIDE IN HORIZONTAL POSITION	1	40000	0.7	462	TYPE IV, VERY SHORT, FULL CUTOFF, BUG RATING: B2 - U0 - G3
^ 	RL-S144	2	Lithonia Lighting	AS2 400M SR4SC (PULSE START)	ONE 400 WATT CLEAR ED28 PULSE START METAL HALIDE IN HORIZONTAL POSITION	1	40000	0.7	462	TYPE IV, VERY SHORT, FULL CUTOFF, BUG RATING: B2 - U0 - G3
< 	EX- S144W	1	Lithonia Lighting	AS2 400M SR4W (PULSE START)	ONE 400 WATT CLEAR ED28 PULSE START METAL HALIDE IN HORIZONTAL POSITION	1	40000	0.7	462	TYPE IV, SHORT, FULL CUTOFF, BUG RATING: B4 - U0 - G4
<u> </u>	RL- S144W	2	Lithonia Lighting	AS2 400M SR4W (PULSE START)	ONE 400 WATT CLEAR ED28 PULSE START METAL HALIDE IN HORIZONTAL POSITION	1	40000	0.7	462	TYPE IV, SHORT, FULL CUTOFF, BUG RATING: B4 - U0 - G4
	OA2	17	ТСР		LED8R2030K	1	628	0.95	7.6	
	ОВ	1	Lithonia Lighting	OLWX1 LED 13W 40K DDB	LED	1	1260	0.96	14	TYPE VS, BUG RATING: B1 - U0 - G0
	CAN	6	EATON - HALO (FORMER COOPER LIGHTING)	SLD405830WH	LED 80CRI / 3000K CCT ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET	1	750	0.95	12.2	
	OC	1	Hubbell Outdoor	FLL-42L-95-4K7- N-U-X-XX	42 - NICHIA 4000K LEDs	1	Absolute	0.95	96.7	

PHOTOMETRIC SCHEDULES
N.T.S.

2

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

AERIS

METAL HALIDE: 200W-400W

10' to 35' Mounting

HIGH PRESSURE SODIUM: 250W-400W

Example: AS2 250M SR3 TB SCWA SPA LPI

(blank) Dark bronze LPI Lamp included

bronze

aluminum

aluminum

aluminum

10 May be ordered as an accessory.

accessory.

12 Maximum allowance wattage lamp

included.

13 Order AS2SR2/3HS U or AS2SR4WHS U as

order AS2VG U as an accessory.

See www.lithonia.com/archcolors for

AS2-M-S

additional color options.

DNA Natural

DWH White

Super Durable Finishes

DDBXD Dark bronze

DBLXD Black

DNAXD Natural

DWHXD White

DDBTXD Textured dark

DBLBXD Textured black

DNATXD Textured

DWHGXD Textured

__ w __ _ L ___

Architectural Area & Roadway Luminaires



& Associates 2900 Lebanon Pike, Ste 201 Nashville, Tennessee 37214

Telephone: (615) 255-5203 Fax: (615) 255-5207 Email: mail@kurzynske.com

10/04/18

FSR# 03841

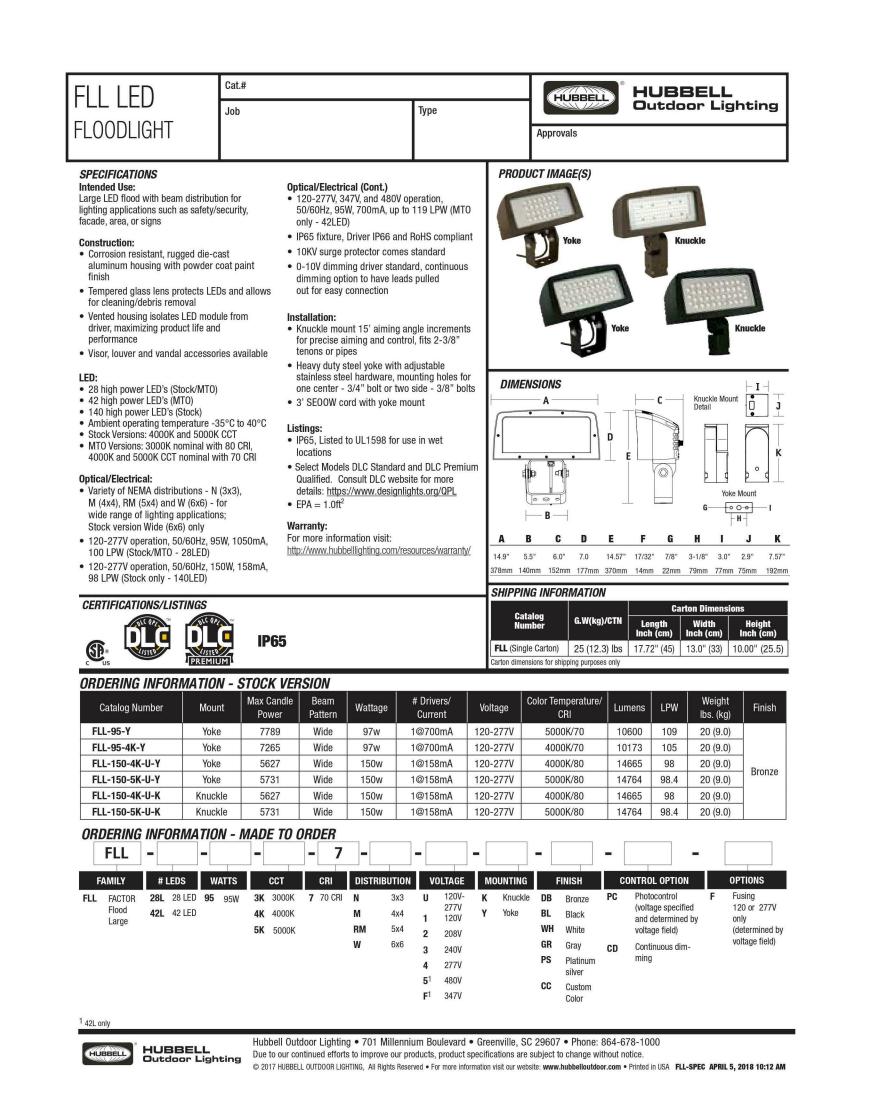
REVISION SCHEDULE
NO. DATE 2 07/27/18 Revised Site Permit Submittal 3 10/04/18 Revised Site Permit Submittal

2018-xxx 17173.CC.S DISCIPLINE'S PROJECT PERMIT 08/10/2018

produced for above named project may not be reproduced in any manner without express written or verbal consent from

LIGHTING DETAILS

PH-1.1



The Halo Surface LED Downlight (SLD) incorporates WaveStream™ technology to create an ultra-low profile surface mounting luminaire with the performance and look of a traditional downlight. SLD4 is designed for installation in many 3-1/2" and 4" round or octagon junction boxes. May also retrofit in 4" aperture IC and Non-IC recessed housings*. Dedicated LED wiring connector meets high-efficacy code requirement in recessed downlighting. Suitable for residential or commercial installations. Ideal for closets, storage areas, attics and basements. Compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5). SPECIFICATION FEATURES CONSTRUCTION Installer must ensure sustainable Color Rendering Die cast aluminum trim ring and compatibility of fit, wiring and Index (CRI) and Correlated ColorTemperature (CCT) over die formed aluminum frame proper mounting in the the useful life of the LED electrical junction box. This **OPTICS** includes all applicable national and • LED chromaticity of 3 SDCM WaveStream[™] technology local electrical and building codes. exceeds ENERGY STAR® color provides uniform luminance Proprietary Slot-N-Lock quick standards per ANSI C78.377-2008 from a low profile flat lens • 90 CRI model features high color installation system for junction AccuAim[™] optics provide performance with R9 greater box installation directional control for the T-bracket with Slot-N-Lock than 50 "cone-of-light" beam distribution • Every Halo LED is quality tested, mounting tabs included. of a traditional downlight measured, and serialized in a Precision molded lens features RECESSED HOUSING permanent record to register high transmission polymer with lumens, wattage, CRI and CCT. UV stabilized protecting film Friction Blade Halo LED serialized testing and Pre-installed precision formed **DESIGNER TRIMS** measurement ensures color friction blades included Accessories (sold separately) and lumen consistency on a Friction blade design allows the SLD designer trims are accessory per-unit basis, and validates SLD to be installed in any position rings that attach to the SLD for a long-term product consistency within the housing aperture (360 permanent finish. Refer to SLD over time accessories specification sheet for **ELECTRICAL CONNECTIONS** Note: Not for use in recessed Junction Box housings in direct contact with White (Paintable) spray foam insulation refer to Compatible with many 3-1/2" Satin Nickel NEMA LSD 57-2013 x 2" and 4" x 1-1/2" round and Tuscan Bronze octagon boxes (2-1/8" deep boxe **ELECTRICAL JUNCTION BOX** recommended) Trilateral linear LED assembly is MOUNTING Supply Wire Adapter with LED integrated in trim perimeter. SLD may be used in compatible quick connector included ColorTemperature: 2700K, 3000K, electrical junction boxes in direct Recessed Housings contact with insulation including LED connector is compatible with • CRI options: 80 and 90[†] spray foam insulation Halo 4" H995 and H245 Series LED 90 CRI can be used to comply Suitable for installation in many Housings with California Title 24 High 3-1/2" and 4" octagon and round LED Connector meets California Efficacy requirements. Certified electrical junction boxes. to California Appliance Efficiency Title-24 high-efficacy luminaire Note: Driver consumes 3 cubic Database under JA8 inches of junction box. L70 at 50,000 hours projected Surface mounting in a fire-rated in accordance with TM-21 ceiling using an appropriate electrical box offers a cost-effective WARRANTY alternative to fire-rated recessed Eaton provides a five year limited warranty on the SLD LED Note: Fire-rating is per the rating installation LED CHROMATICITY of the ceiling and applicable

standard as a non-screw base **ENERGY DATA** The included E26 Edison 80 CRI 90 CRI screw-base adapter provides capability for retrofit* 800 710 • LED connector is a non-screwbase (4000K models) Input Voltage 120V 120V luminaire disconnect for tool-less Frequency 50/60 Hz 50/60 Hz Input Current 0.10 A 0.10 A Driver is a 120V input high ensures LED color uniformity, Input Power 12.2 W 12 W Efficiency (4000K models) 66 lm/W 59 lm/W ≤ 20% Power Factor ≥ 0.90 T Ambient -30 - +40°C



405 = 4" SLD 8 = >80 CRI 30 = 3000KWH = Matte White

HALO

Type

Date

SLD4058xxWH

2700K, 3000K, 3500K,

SLD4059xxWH

2700K, 3000K, 3500K,

electrical junction boxes

(IC, Non-IC & AIR-TITE™)

Sound Rating Class A

NOMENCLATURE

SLD405830WH

and 4000K

and 4000K

Downlight

Suitable for

Suitable for

4" recessed

housing retrofit

ceiling or wall

4" Surface LED

FATON TD518264EN

SLD4058xxWH SLD4059xxWH Efficacy requirements. • 80 CRI: Can be used to comply compliant with NFPA® 70, NEC® with California Title 24 Non-Residential Lighting Controls requirements as a LED luminaire. protection in the event of over • SLD may be used in compatible • Can be used for International • Driver is replaceable if it should be contact with insulation including • ENERGY STAR® Certified luminaire - consult ENERGY STAR® Certified Product List housings in direct contact with • Contains no mercury or lead and insulation (Not for use in recessed RoHS compliant.

housings in direct contact with

• Photometric testing in accordance SLD4058xxWH Lumen maintenance projections in accordance with IES LM-80 and

2700K, 3000K, 3500K, and 4000K

SLD4059xxWH 2700K, 3000K, 3500K, and 4000K 4" Surface LED Downlight

Suitable for ceiling or wall electrical junction boxes

housing retrofit (IC, Non-IC & AIR-TITE™)

Nashville, Tennessee 37214 Suitable for Telephone: (615) 255-5203 4" recessed Fax: (615) 255-5207 Email: mail@kurzynske.com

10/04/18

Chick-fil-A

5200 Buffington Road

Atlanta, Georgia

30349-2998

& Associates

2900 Lebanon Pike, Ste 201

FSR# 03841

3 10/04/18 Revised Site Permit Submittal

DISCIPLINE'S PROJECT NUMBER DATE **DRAWN BY**

LIGHTING DETAILS

2

CANOPY FIXTURE IS PROVIDED WITH CANOPY FIXTURE 'CAN'

junction box, not the SLD.

Hubbell Outdoor Lighting's factor floodlight offering is available in a variety of beam spreads allowing you to customize your lighting design ensuring the best results

18° - 29° 2 narrow

NOTE: FIXTURE OC TO HAVE NEMA TYPE 2 BEAM CLASSIFICATION WHICH ALLOWS A MAXIMUM OF 29 DEGREES BEAM SPREAD

FIXTURE 'OC'

FIXTURE 'OC'

HUBBELL Outdoor Lighting

Features & Benefits

3000K, 4000K and 5000K CCT

Variety of sizes from compact to extra large in a stylish shape

Variety of outputs and mountings for different applications

· Stock and quick ship versions available for fast service

Visor, vandal shield and louver accessories available

· Knuckle, trunnion & yoke mounting options

FACTOR LED Flood Offering

Narrow 3x3

Vented die-cast housing isolates LEDs from drivers for maximum component life and performance

Five standard finishes: Dark Bronze, Black, Gray, White, Platinum and custom colors

Narrow 3x3

Medium 4x4

Wide 6x6 / 7x7*

Narrow 3x3

Medium 4x4

Wide 6x6

3

SLD405= 4" Surface LED Downlight, 120V 8=80 CRI California non-E26 Models SLD405927WH-CA SLD405930WH-CA SSLD405935WH-CA

ORDERING INFORMATION

SAMPLE NUMBER: SLD405927WH SLD4TRMSN

efficiency, dimmable electronic only (shower rated)

Driver features high power factor,

temperature or internal failure.

Designed for continuous dimming

many 120V Leading Edge (LE)

and Trailing Edge (TE) phase

capability to nominally 5% with

control dimmers. Dimming to 5%

Consult dimmer manufacturer for

use. (Note some dimmers require

is best assured using dimmers

with low end trim adjustment.

compatibility and conditions of

a neutral in the wallbox.)

cULus Listed ceiling and wall

cULus Damp Location listed

required

DIMMING

COMPLIANCE

DIMENSIONS

ceiling and wall

low THD, and has integral thermal (C)(5)

power supply providing DC power • Suitable for use in closets,

• cULus Wet Location Listed, ceiling with California Title 24 High

Junction Box Installation: Order junction box separately, as supplied by others, to complete installation.

Recessed Installation: Order Halo recessed housing separately to complete installation

Section 410.16 (A)(3) and 410.16

spray foam insulation

NEMA LSD 57-2013)

installations

UL Classified when used in

(See Housing Compatibility

retrofit with listed housings

• EMI/RFI: meets FCC 47CFR Part 15

Class B limits, and is suitable for

use in residential and commercial

(not exceeding 2.0 CFM under 57

• Airtight certified per ASTM E283

Pascals pressure difference)

• 90 CRI: Can be used to comply

May be installed in IC recessed

spray foam insulation. Refer to with IES LM-79

30=3000K **35**=3500K **40**=4000K

J-Box Spacer Extension Ring
Add 15/16" depth when SLD driver cannot fit into installed SLD4EXT=4" Surface LED J-Box Extender, 7.75" O.D. When junction box is mounted flat on a ceiling or beam surface (not recessed in ceiling)
SLD4RAD=4" SLD Round Surface J-Box Adapter, 6.15" O.D. (For 4-inch round or octagon junction boxes)

WH=White

SLD4ACCKIT=4" Accessory Parts Replacement Kit (Screwbase adapter, torsion springs, friction blades) SLD4BRKT=4" Junction Box Bracket & Screws

Designer Trims
Fit over the SLD4 for a designer finish

SLD4TRMSN=4" SLD Satin Nickel

SLD4TRMTBZ=4" SLD Tuscan Bronze

Refer to SLD Accessories specification sheet for further

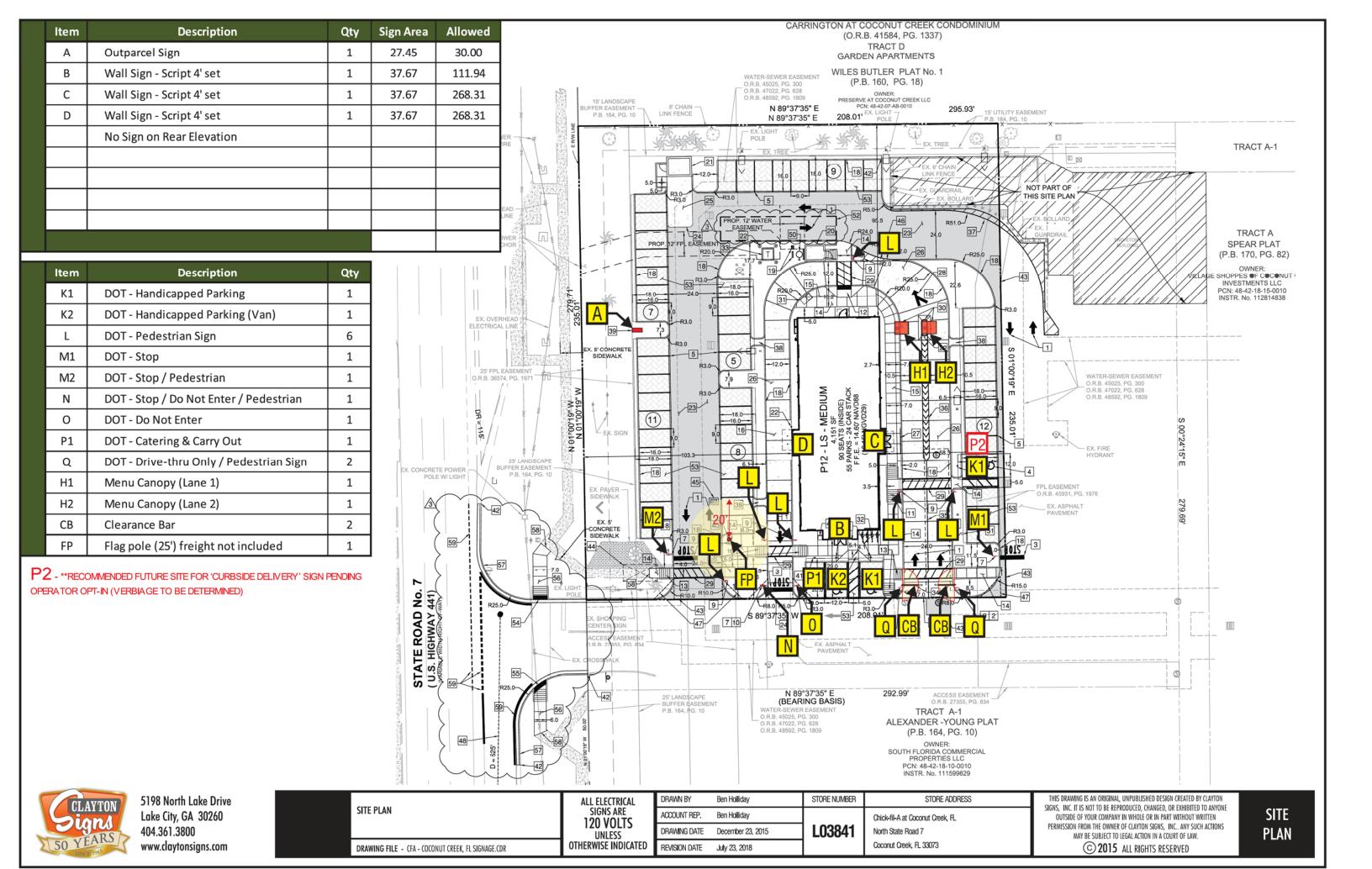
REVISION SCHEDULE
NO. DATE DESCRIPTION

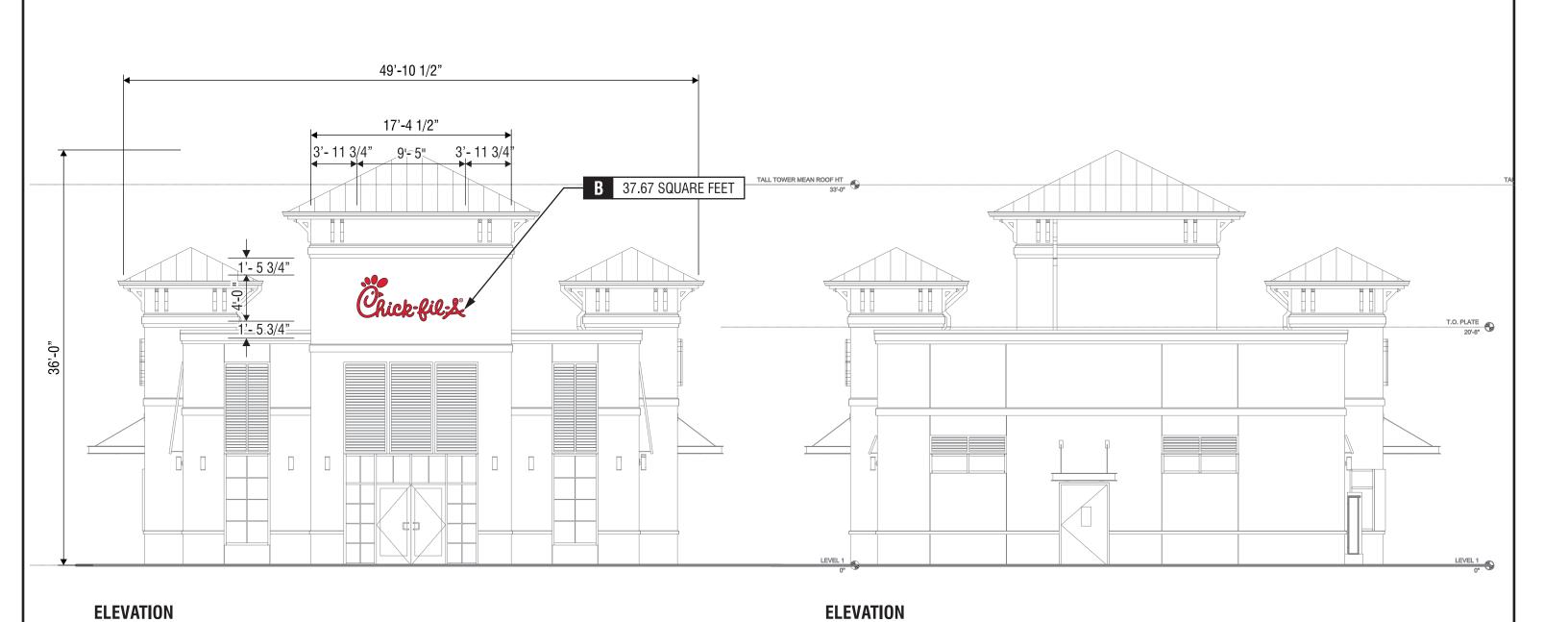
> 2018-xxx 17173.CC.S

PERMIT 08/10/2018 Author 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

PH-1.2





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



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

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

S08C

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

BUILDING ELEVATIONS

ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED

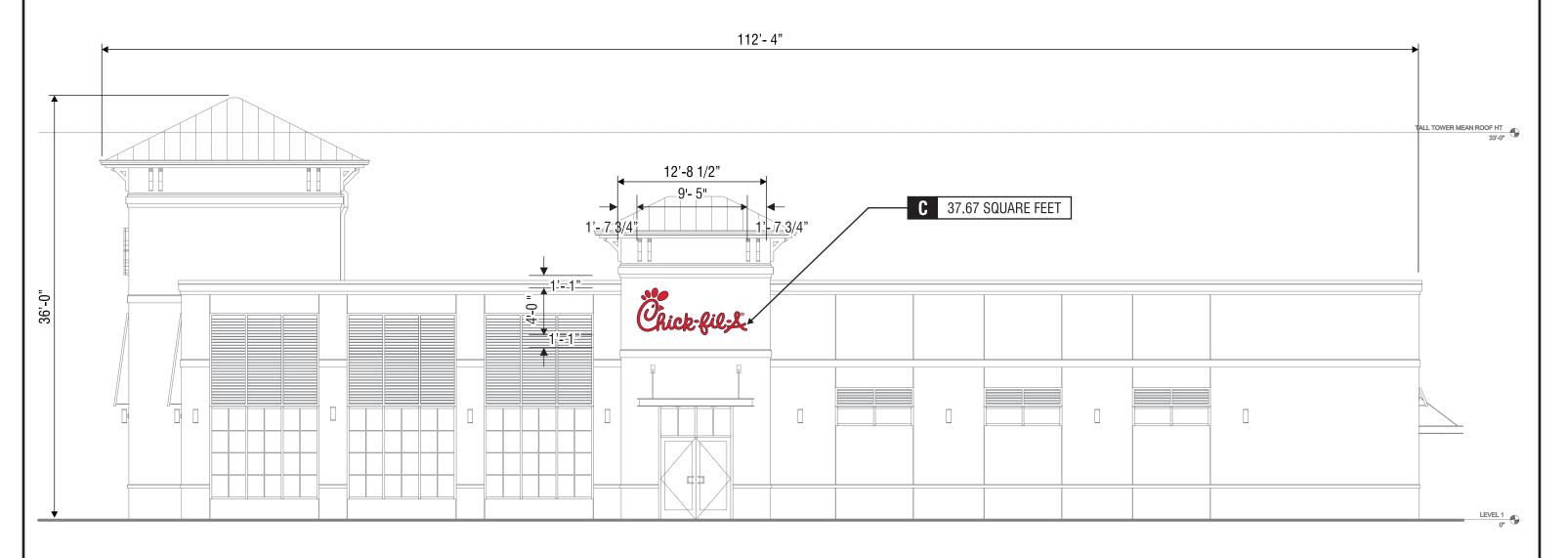
DRAWN BY STORE NUMBER Ben Holliday ACCOUNT REP. Ben Holliday L03841 DRAWING DATE December 23, 2015 REVISION DATE July 23, 2018

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

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

BUILDING ELEVATIONS



ELEVATION

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



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

BUILDING ELEVATIONS

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

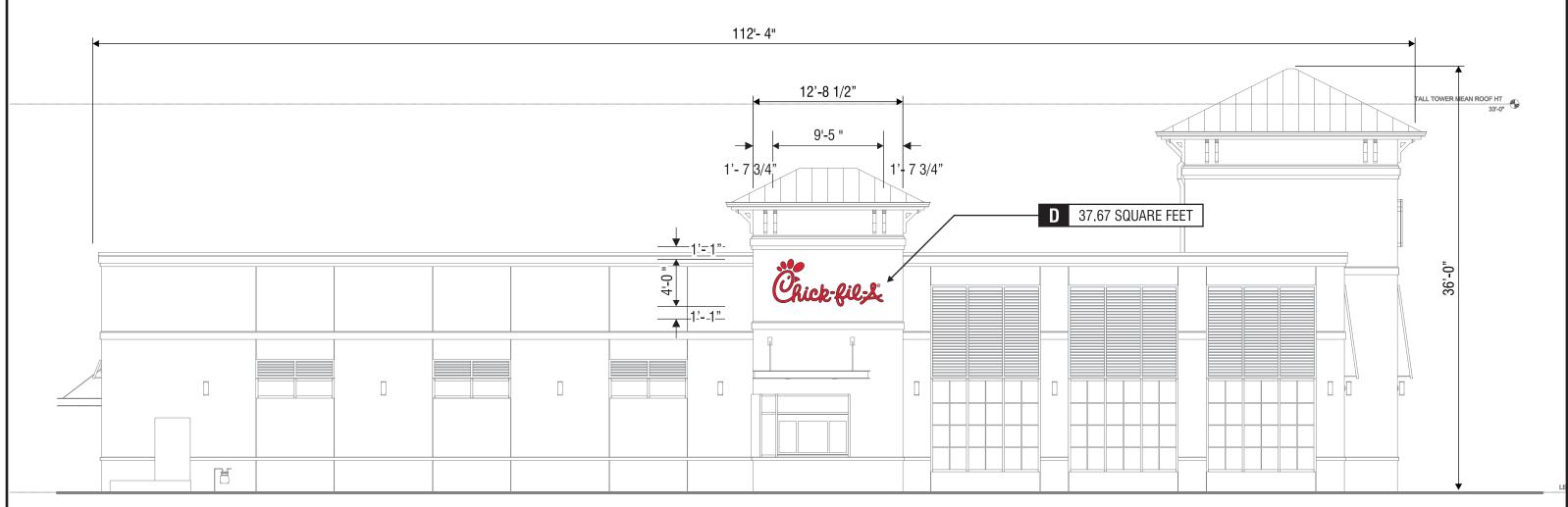
ALL ELECTRICAL
SIGNS ARE
120 VOLTS
UNLESS
OTHERWISE INDICATED

DRAWN BY	Ben Holliday	STORE NUMBER	STORE ADDRESS
ACCOUNT REP.	Ben Holliday		Chick-fil-A at Coconut Creek, FL
DRAWING DATE	December 23, 2015	L03841	North State Road 7
REVISION DATE	July 23, 2018		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

BUILDING ELEVATIONS



ELEVATION

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



S08C

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

ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED

DRAWN BY STORE NUMBER Ben Holliday ACCOUNT REP. Ben Holliday L03841 DRAWING DATE December 23, 2015 REVISION DATE July 23, 2018

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

BUILDING ELEVATIONS

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

PAINTED DARK BRONZE

WHITE LEXAN

PAINTED TO MATCH
BUILDING (STUCCO FINISH)

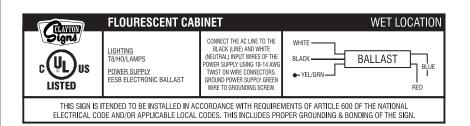
SIGN STRUCTURE AREA (6'-0" x 5'-0") = 30.00 SQUARE FEET
ALLOWABLE SIGN AREA - 30.00 SQUARE FEET x 60% = 18.00 SQUARE FEET
SIGN AREA (3'-4" x 3'-4") = 11.09 SQUARE FEET



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

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

SEE ENGINEER STAMPED DRAWING FOR FOUNDATION DETAILS





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

SIGN TYPE 2

DOUBLE-FACED INTERNALLY-ILLUMINATED OUTPARCEL SIGN

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
ACCOUNT REP.	Ben Holliday		Chick-fil-A at Coconut Creek, FL
DRAWING DATE	December 23, 2015	L03841	North State Road 7
REVISION DATE	July 23, 2018		Coconut Creek, FL 33073



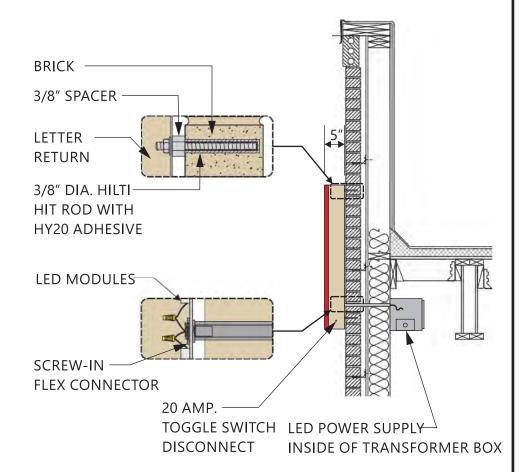
CHICK-FIL-A SCRIPT LETTERS LETTERS ARE LED-ILLUMINATED CHANNEL LETTERS MOUNTED ON ALUMINUM SURFACE OF BUILDING WITH TRANSFORMERS REMOTELY LOCATED BEHIND THE WALL IN UL APPROVED TRANSFORMER BOXES. FACES ARE 3/16" ACRYLIC RETURNS ARE .063 ALUMINUM BACKS ARE .080 ALUMINUM ALL RETURNS ARE ARC-WELDED TO LETTER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

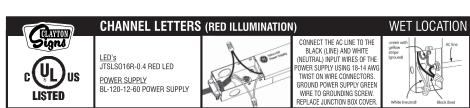
CHANNEL LETTER FACES 2793 RED ACRYLIC TRIMCAP RETAINER-1" RED JEWELITE TRIMCAP

ALUMINUM RETURNS PAINTED TO MATCH SHERWIN WILLIAMS SW6108 LATTE



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





CROSS-SECTION

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

THIS SIGN IS ITENDED 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 www.claytonsigns.com

404.361.3800

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

LED-ILLUMINATED CHANNEL LETTER WALL SIGN

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

DRAWN BY Ben Holliday STORE NUMBER ACCOUNT REP. Ben Holliday L03841 DRAWING DATE December 23, 2015 REVISION DATE July 23, 2018

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



STORE ADDRESS

CANOPY TOP

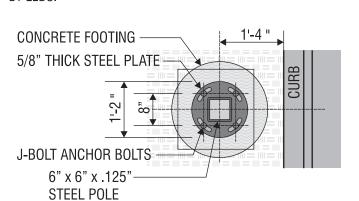
METAL TOP (OPAQUE) WITH COLOR TO MATCH BUILDING COLOR.

STRUCTURE

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

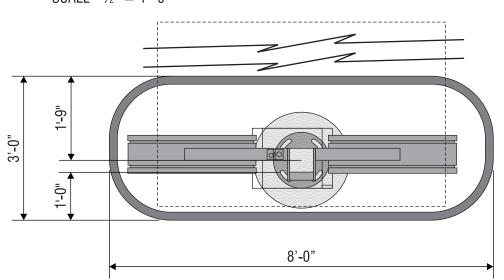
MENU BOARDS

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



BOLT DETAIL

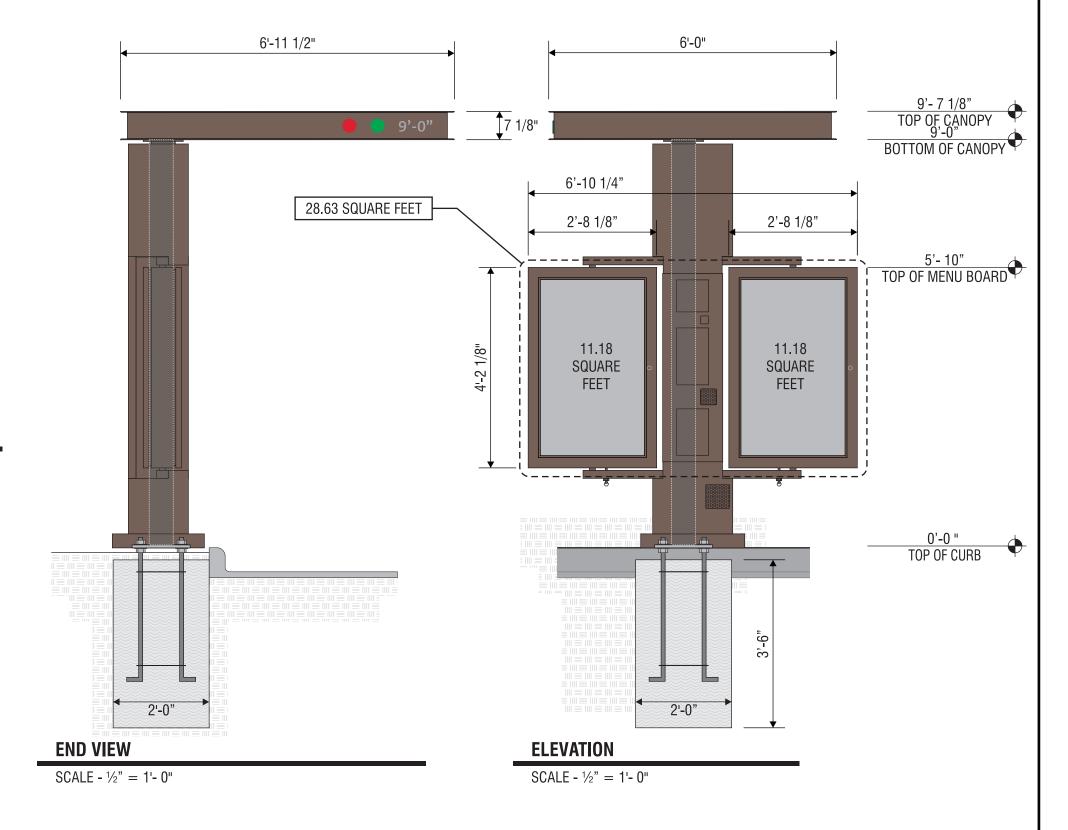
SCALE - 1/2" = 1'- 0"



OUTER LANE ISLAND PLAN VIEW

SCALE - ½" = 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	STORE NUMBER	STORE ADDRESS
ACCOUNT REP.	Ben Holliday		Chick-fil-A at Coconut Creek, FL
DRAWING DATE	December 23, 2015	L03841	North State Road 7
REVISION DATE	July 23, 2018		Coconut Creek, FL 33073

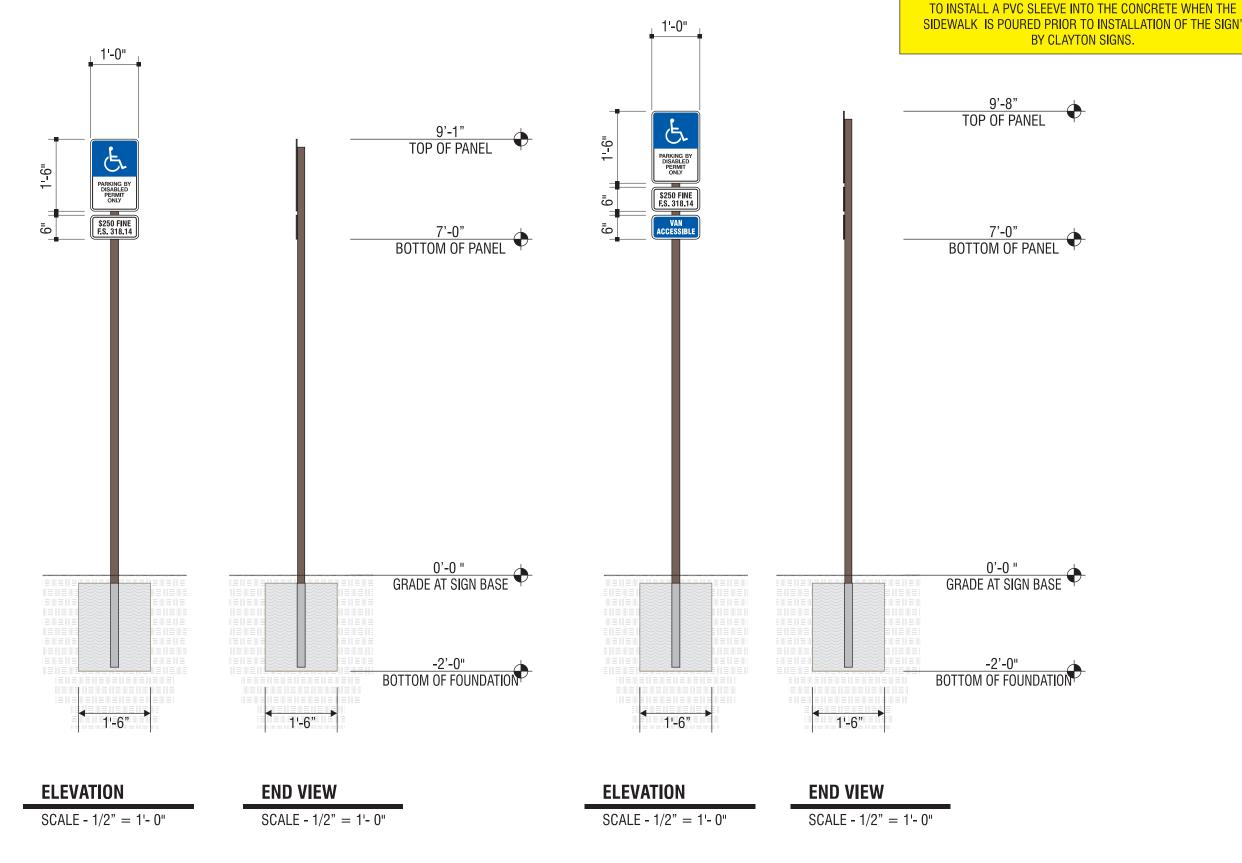
THIS DRAWING IS AN ORIGINAL, UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR EXHIBITED TO ANYONE OUTSIDE OF YOUR COMPANY IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC.. ANY SUCH ACTIONS
MAY BE SUBJECT TO LEGAL ACTION IN A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

LOCATION

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





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

SIGN TYPE

DOT REGULATORY TRAFFIC SIGNS

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

SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED

ALL ELECTRICAL

DRAWN BY STORE NUMBER Ben Holliday ACCOUNT REP. Ben Holliday L03841 DRAWING DATE December 23, 2015 REVISION DATE July 23, 2018

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

NOTE: IF THIS SIGN IS LOCATED ON THE SIDEWALK THEN

IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR

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



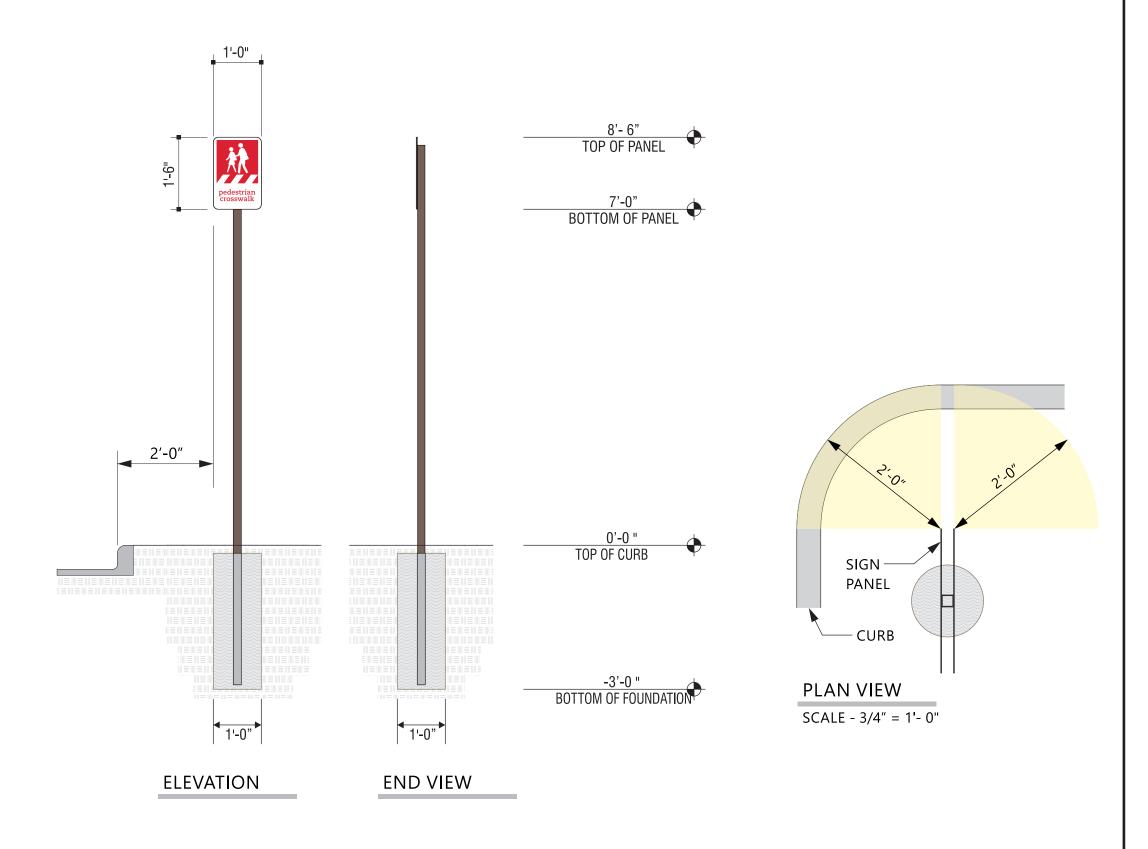
SIGN PANELS

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 www.claytonsigns.com

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

DOT REGULATORY TRAFFIC SIGNS

ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED

DRAWN BY	Ben Holliday	STORE NUMBER	STORE ADDRESS
ACCOUNT REP.	Ben Holliday		Chick-fil-A at Coconut Creek, FL
DRAWING DATE	December 23, 2015	L03841	North State Road 7
REVISION DATE	July 23, 2018		Coconut Creek, FL 33073



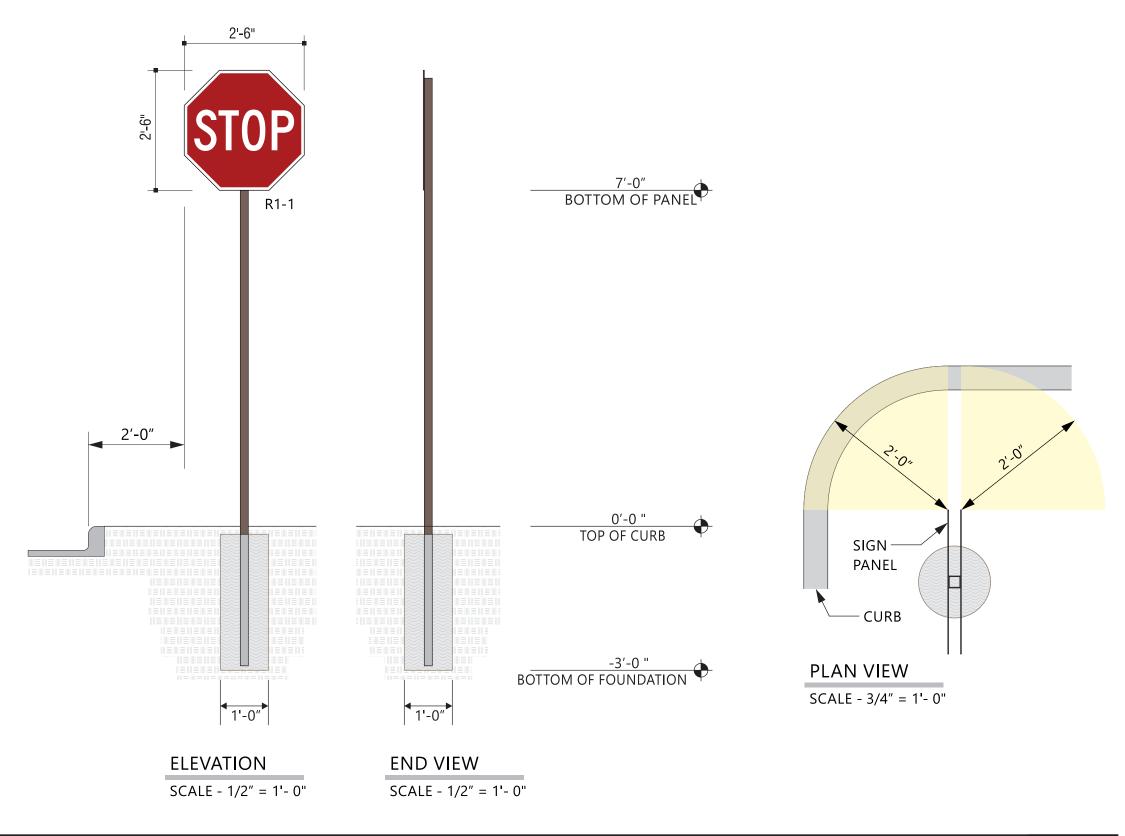
SIGN PANELS

PANELS ARE .080 ALUMINUM
WITH REFLECTIVE BACKGROUND
AND GRAPHICS.
SIGN POSTS
POSTS ARE 2" x 2" SQUARE
ALUMINUM TUBING CAPPED ON TOP

<u>Sign Panel</u> 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 SIGN TYPE

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	STORE NUMBER
	ACCOUNT REP.	Ben Holliday	
	DRAWING DATE	December 23, 2015	L03841
)	REVISION DATE	July 23, 2018	

STORE NUMBER STORE ADDRESS

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



SIGN PANELS

PANELS ARE .080 ALUMINUM WITH REFLECTIVE BACKGROUND AND GRAPHICS. SIGN POSTS POSTS ARE 2" x 2" SQUARE ALUMINUM TUBING CAPPED ON TOP

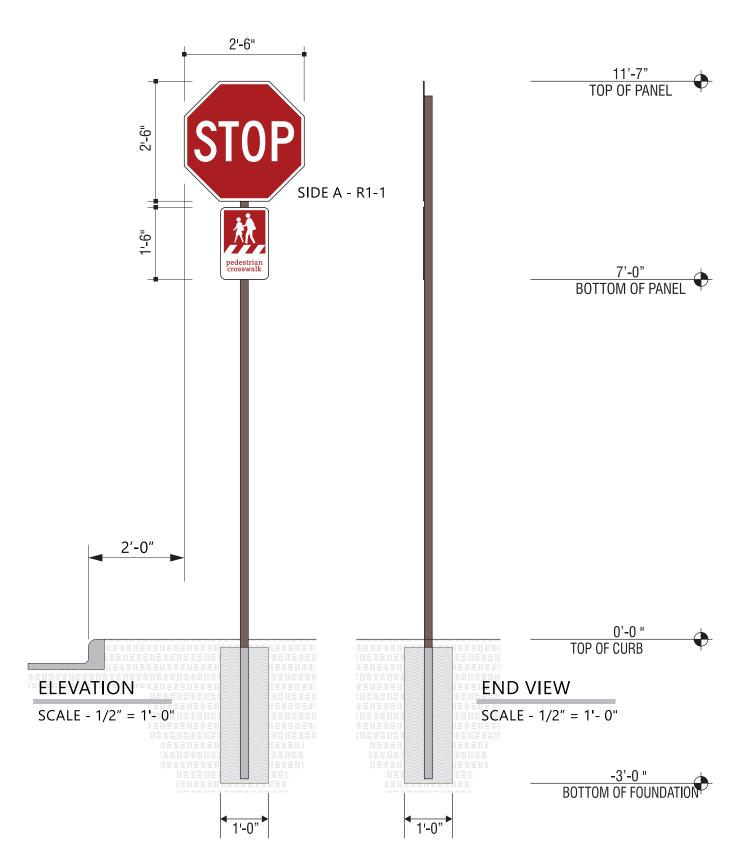
SIGN PANEL RED REFLECTIVE

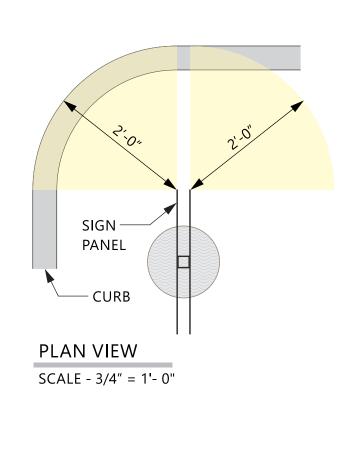
SIGN PANEL WHITE REFLECTIVE

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

SIGN TYPE

DOT REGULATORY TRAFFIC SIGNS

ALL E SIC 120 OTHERWI **DRAWING FILE** - CFA - COCONUT CREEK, FL SIGNAGE.CDR

ELECTRICAL	
GNS ARE	
O VOLTS JNLESS	
ISE INDICATED	

DRAWN BY	Ben Holliday	STORE NUMBER	STORE ADDRESS
ACCOUNT REP.	Ben Holliday		Chick-fil-A at Coconut Creek, FL
DRAWING DATE	December 23, 2015	L03841	North State Road 7
REVISION DATE	July 23, 2018		Coconut Creek, FL 33073



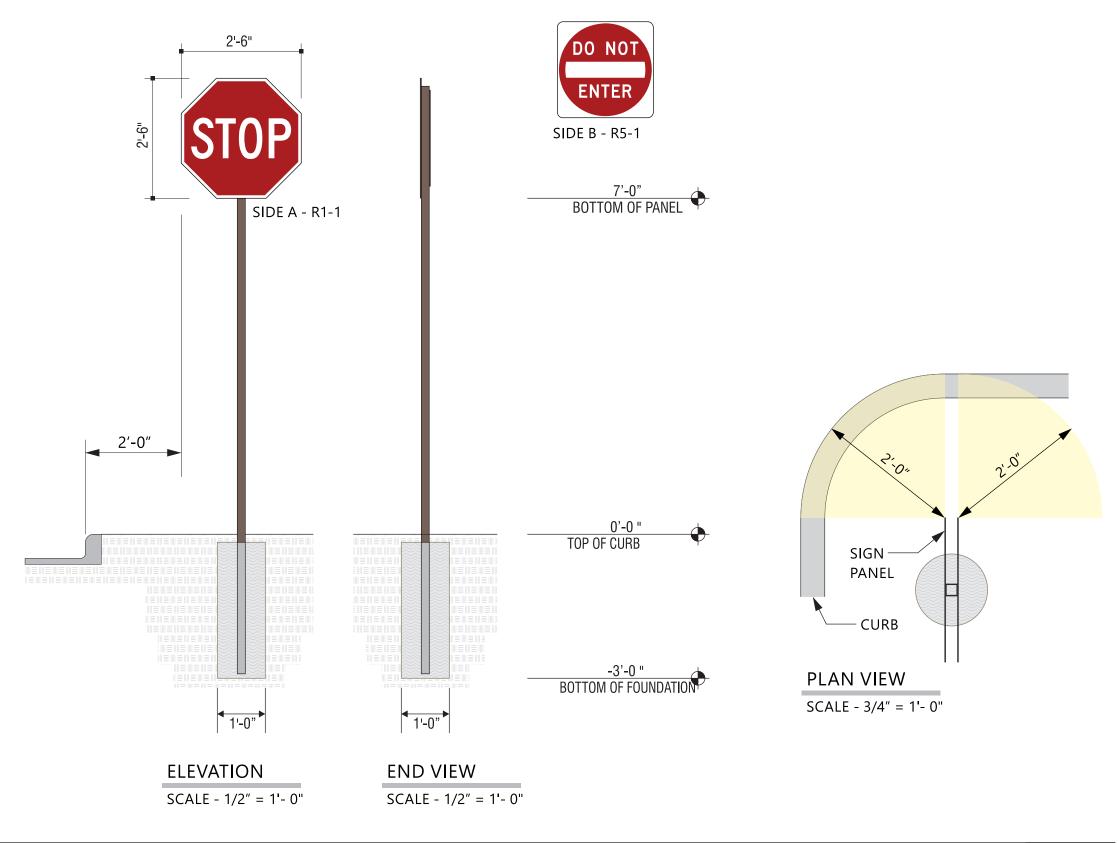
SIGN PANELS

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



STORE ADDRESS



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

SIGN TYPE

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	STORE NUMBER	STORE ADDR
	ACCOUNT REP.	Ben Holliday		Chick-fil-A at Coconut Creek, FL
	DRAWING DATE	December 23, 2015	L03841	North State Road 7
)	REVISION DATE	July 23, 2018		Coconut Creek, FL 33073



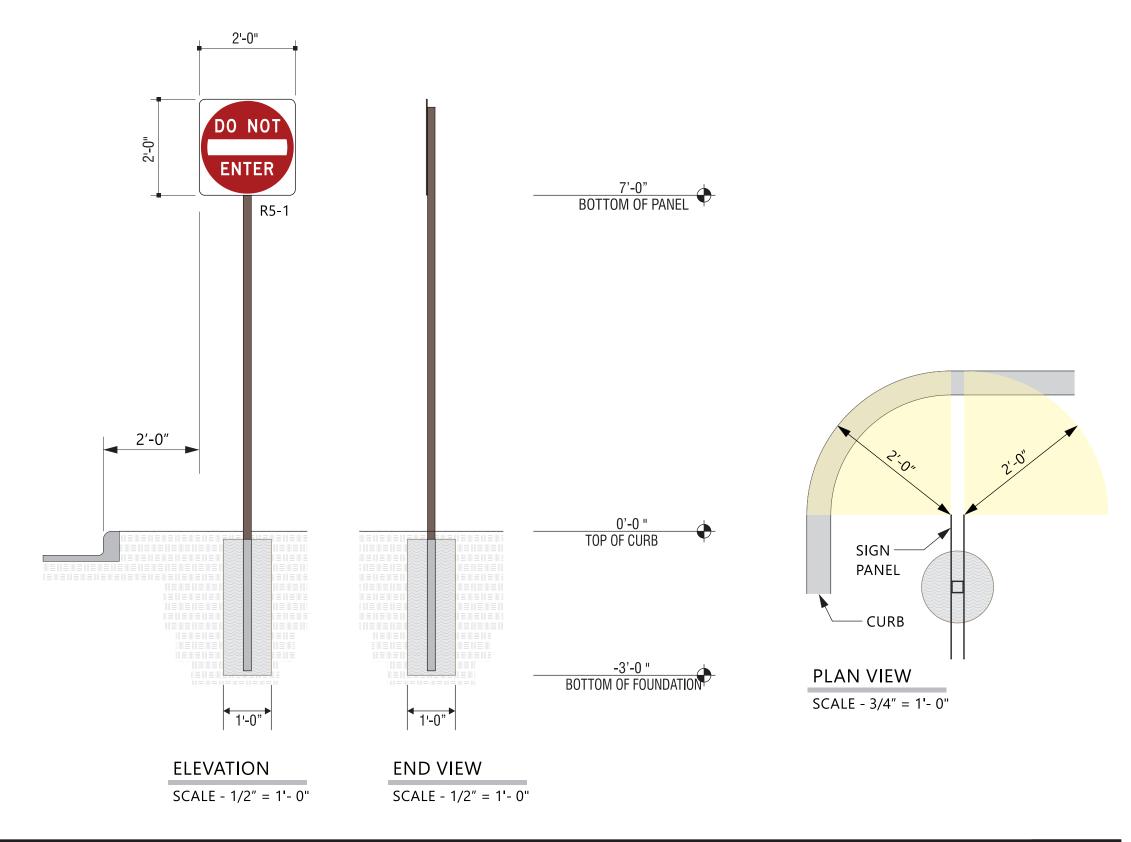
SIGN PANELS

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

SIGN TYPE

DOT REGULATORY TRAFFIC SIGNS

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

ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED

DRAWN BY STORE NUMBER Ben Holliday ACCOUNT REP. Ben Holliday Chick-fil-A at Coconut Creek, FL. L03841 DRAWING DATE December 23, 2015 North State Road 7 Coconut Creek, FL 33073 REVISION DATE July 23, 2018

STORE ADDRESS



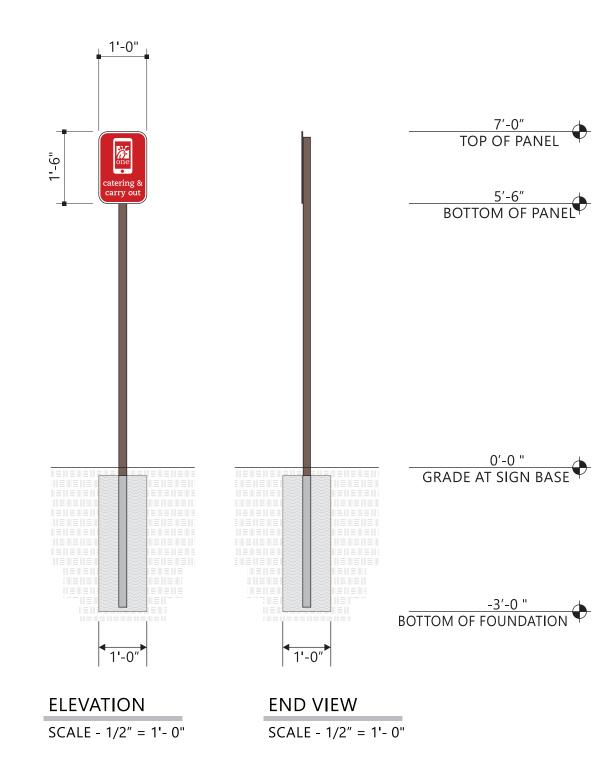
SIGN PANELS

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

SIGN TYPE

DOT REGULATORY TRAFFIC SIGNS

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

ALL ELECTRICAL SIGNS ARE
120 VOLTS
UNLESS
HERWISE INDICATED

DRAWN BY	Ben Holliday	STORE NUMBER	STORE ADDRESS
ACCOUNT REP.	Ben Holliday		Chick-fil-A at Coconut Creek, FL
DRAWING DATE	December 23, 2015	L03841	North State Road 7
REVISION DATE	July 23, 2018		Coconut Creek, FL 33073



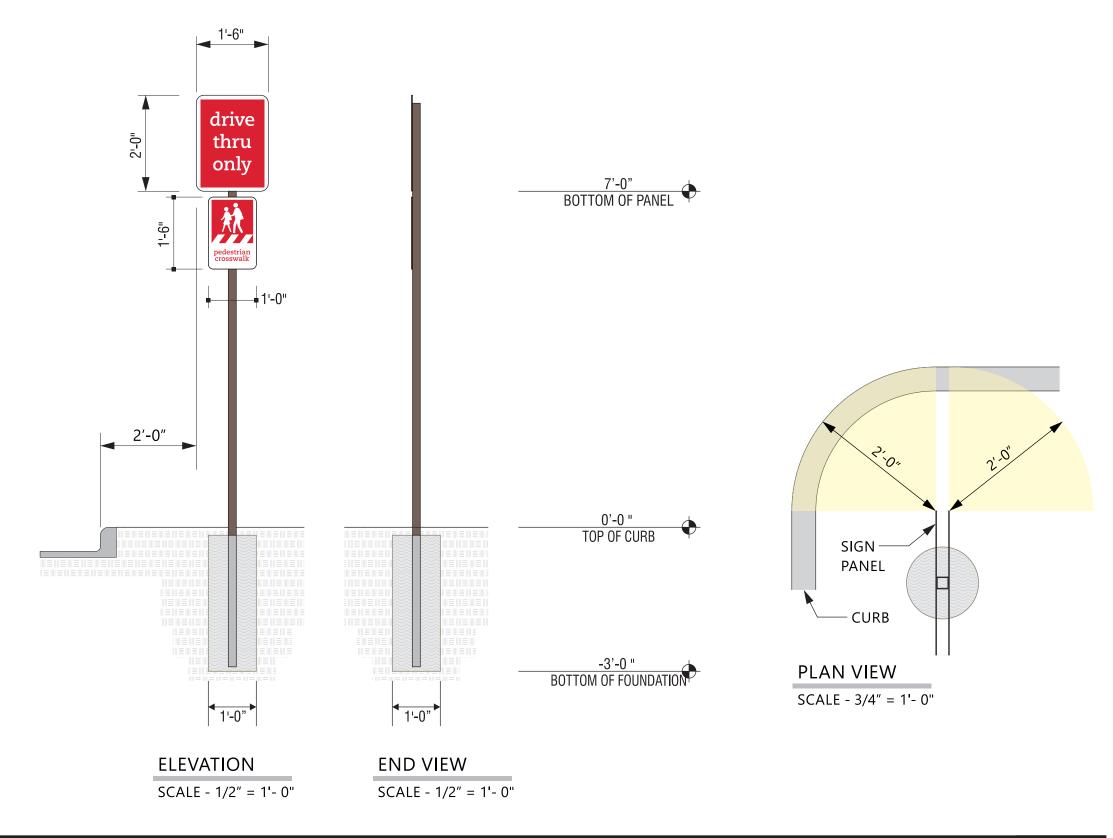
SIGN PANELS

PANELS ARE .080 ALUMINUM
WITH REFLECTIVE BACKGROUND
AND GRAPHICS.
SIGN POSTS
POSTS ARE 2" x 2" SQUARE
ALUMINUM TUBING CAPPED ON TOP

<u>Sign Panel</u> 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 SIGN TYPE

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	STORE NUMBER
	ACCOUNT REP.	Ben Holliday	
	DRAWING DATE	December 23, 2015	L03841
D	REVISION DATE	July 23, 2018	

STORE ADDRESS

Chick-fil-A at Coconut Creek, FL

North State Road 7

Coconut Creek, FL 33073

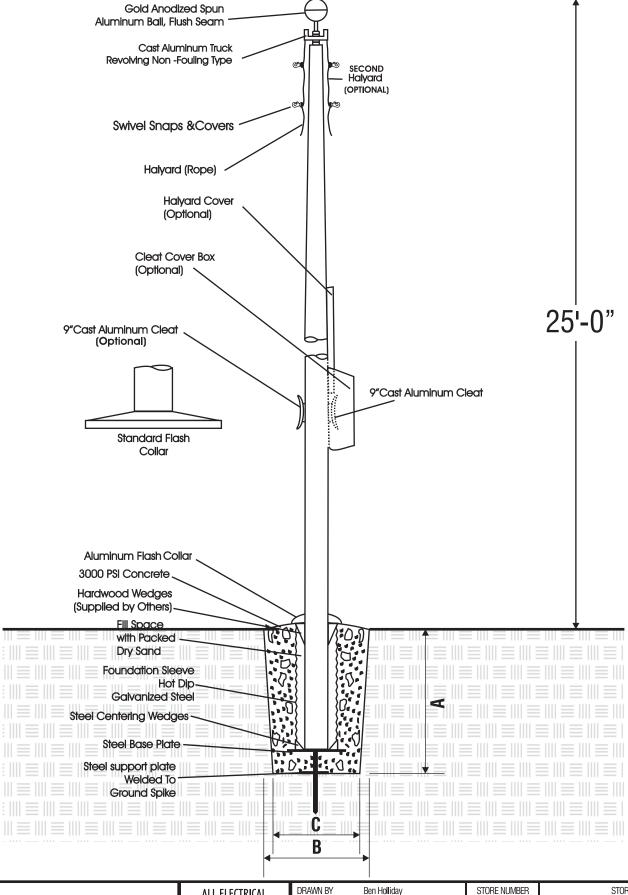




FOUNDATION SIZES

HEIGHT	А	В	С
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 SIGN TYPE 1

FLAG POLE

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

ACCOUNT REP. Ben Holliday

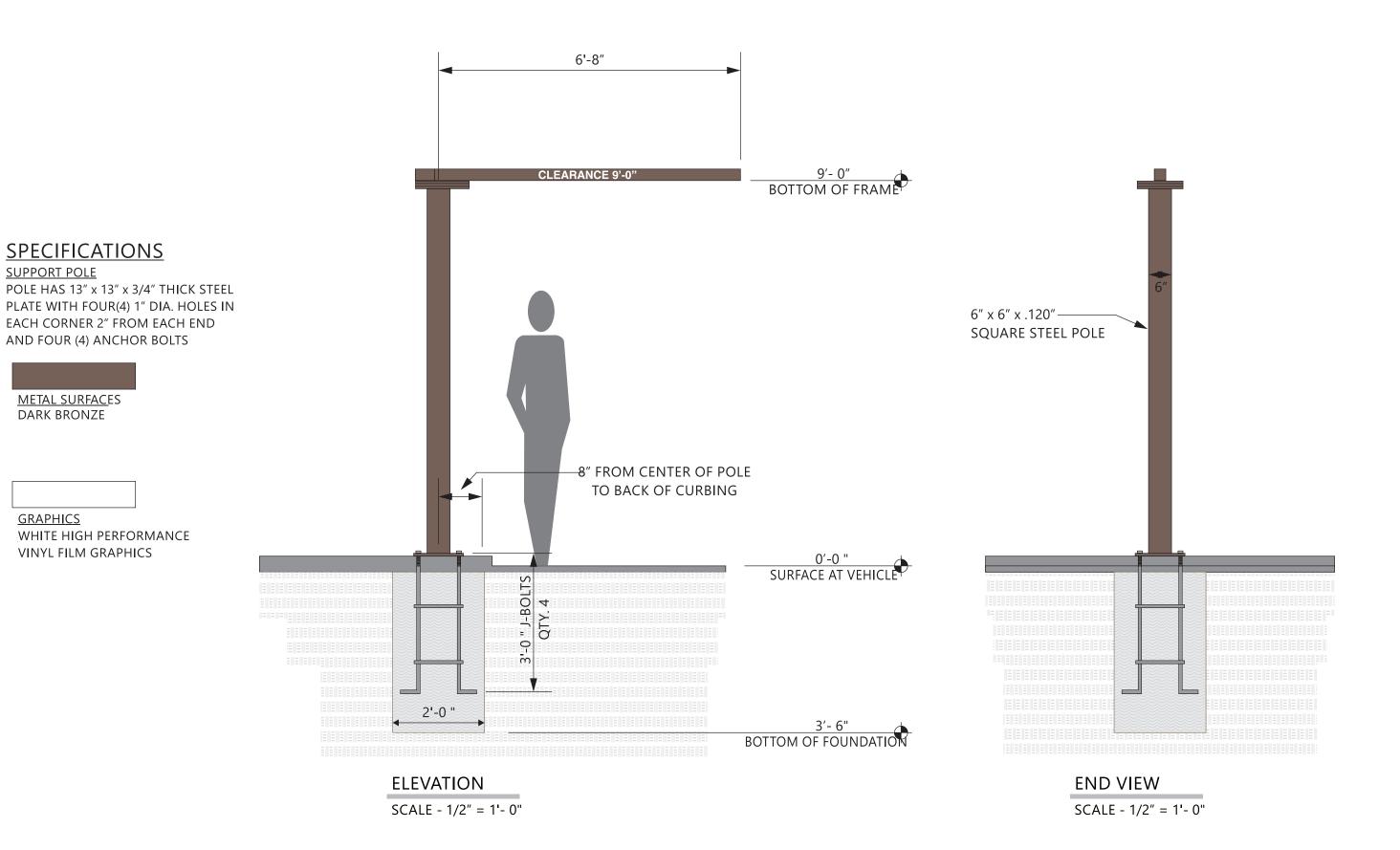
DRAWNING DATE December 23, 2015

REVISION DATE July 23, 2018

STORE NUMBER STORE ADDRESS

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







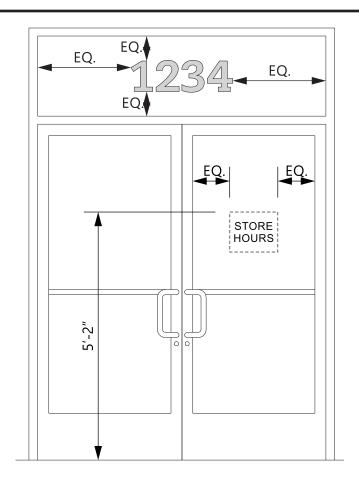
GRAPHICS

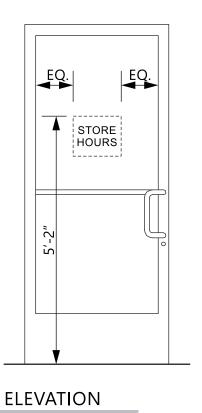
5198 North Lake Drive Lake City, GA 30260 404.361.3800 www.claytonsigns.com

CLEARANCE BAR	ALL ELECTRICAL SIGNS ARE 120 VOLTS UNI ESS
DRAWING FILE - CFA - COCONUT CREEK, FL SIGNAGE.CDR	OTHERWISE INDICATED

	DRAWN BY	Ben Holliday	STORE NUMBER	STORE ADDRESS	
	ACCOUNT REP.	Ben Holliday		Chick-fil-A at Coconut Creek, FL	
	DRAWING DATE	December 23, 2015	L03841	North State Road 7	
D	REVISION DATE	July 23, 2018		Coconut Creek, FL 33073	







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

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

STORE ADDRESS

SCALE - 3" = 1'- 0"

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







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

SIGN TYPE

VINYL WINDOW GRAPHICS **DRAWING FILE** - CFA - COCONUT CREEK, FL SIGNAGE.CDR

ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED

ı	DRAWN BY	Ben Holliday	STORE NUMBER	STORE ADDR
	ACCOUNT REP.	Ben Holliday		Chick-fil-A at Coconut Creek, FL
	DRAWING DATE	December 23, 2015	L03841	North State Road 7
ı	REVISION DATE	July 23, 2018		Coconut Creek, FL 33073

VERIFY ADDRESS BEFORE MAKING NUMBERS

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 1234 LEVEL 1

ELEVATION

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



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

SIGN TYPE

VINYL WINDOW GRAPHICS

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

ALL ELECTRICAL SIGNS ARE 120 VOLTS UNLESS OTHERWISE INDICATED

DRAWN BY STORE NUMBER STORE ADDRESS Ben Holliday ACCOUNT REP. Ben Holliday Chick-fil-A at Coconut Creek, FL L03841 DRAWING DATE December 23, 2015 North State Road 7 Coconut Creek, FL 33073 REVISION DATE July 23, 2018

