Development Plan

Issued for	Orange County DRC
Date Issued	September 2017
Latest Issue	November 2017

Ayman Barghuthi P-D
Westgate - Arrena Road
Marketing Building
DP-17-09-282
Orange County, Florida
Parcel ID #: 31-24-27-0306-03-230

Site Location Map

0 250 500 Feet

vhb.com

225 E. Robinson Street
Suite 300
Orlando, FL 32801
407.839.4006
Certificate of Authorization
Number FL #3932

Owner / Applicant

Central Florida Investments, Inc.
5601 Windhover Drive
Orlando, FL 32819
P. 407.351.3350 · F 407.509.1136

Developer / Applicant

Westgate Lakes, LLC
5601 Windhover Drive
Orlando, FL 32819
P. 407.351.3350 · F 407.509.1136

LEGAL DESCRIPTION

Lot 23 , Block "C", ARROWHEAD LAKES, as recorded in Plat Book X, Page 12, of the Public Records of Orange County, Florida.

Sheet Index

No.	Drawing Title	Latest Issue
C1.00	Cover Sheet	November 2017
C2.00	Aerial Map	November 2017
C3.00	Existing Conditions Plan	November 2017
C4.00	Development Plan	November 2017
C5.00	Drainage/Utility Plan	November 2017

Reference Drawings

SV1	Boundary & Topographic Survey	June 2017
A3.0-A3.1	Exterior Elevations	November 2017
L1.00	Tree Mitigation Plan	November 2017
L2.00	Code-Minimum Landscape Plan	November 2017
L2.50	Landscape Schedule, Details and Notes	November 2017
L3.00	Landscape Lighting Photometric Plan	November 2017

Civil Engineering/Environmental
VHB
225 E. Robinson St., Suite 300
Orlando, FL 32801
P 407.839.4006 · F 407.839.4008

Surveyor:
VHB
225 E. Robinson St., Suite 300
Orlando, FL 32801
P 407.839.4006 · F 407.839.4008

Geotechnical Engineer:
Terracon
1675 Lee Road
Winter Park, Florida 32789
P 407.618.8362

Architect:
General Design Inc. Architects
1000 N. Business 65
Branson, MO 65616
P 417.334.1999 · F 417.337.0746

JAIME L. IGUA
LICENSE
No. 69884
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DATE: Nov. 28, 2017

Jaime Igua, P.E.
P.E. # 69884

VHB Project : 61051.06
Issued for : PERMIT SET

\\FL-ORL\PROJECTS\62980.00 CFI-WG-ARRENA ROAD\CAD\LP\DEVELOPMENT PLAN\62980.00-COV

\\FL-ORL\projects\62980.00 CFI-WG-Arrena Road\cad\up\development plan\62980.00-AERIAL.dwg

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225 E. Robinson Street
Suite 300
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Certificate of Authorization
Number FL #3932

N

100 0 100 200
SCALE IN FEET

Ayman Barghuthi P-D
Westgate - Arrena Road
Marketing Building
DP-17-09-282

Orange County, Florida

No.	Revision	Date	Appvd.

Designed by	Checked by	Scale
SCS	JLI	1" = 100'

Issued for: **Development Plan**
Date: **November 2017**
Drawing Title: **Vertical Datum NAVD88**

Aerial Map

Drawing Number: **C2.00**

Sheet of

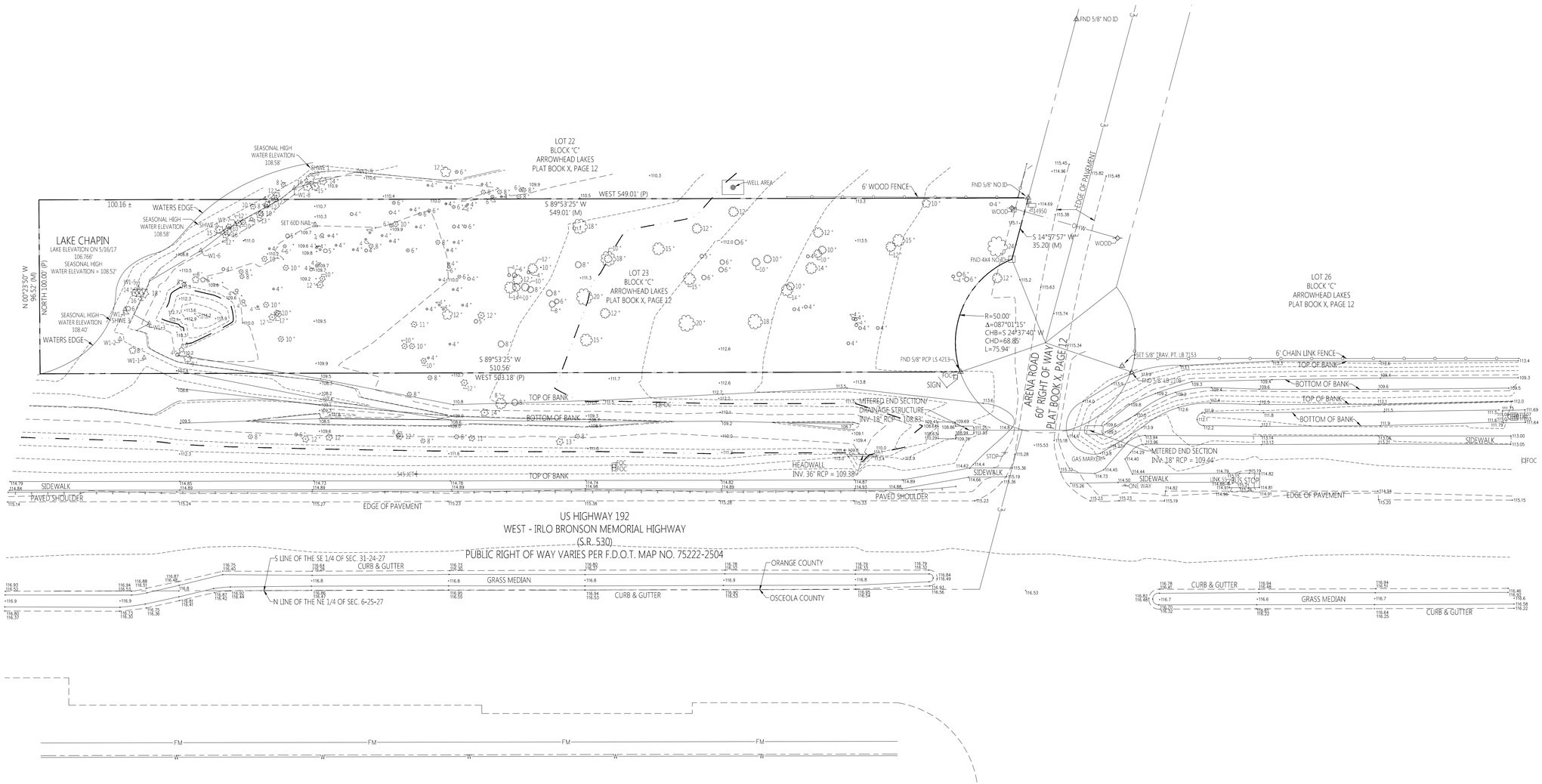
JAIME L. IGUA
LICENSE
No. 69884
STATE OF FLORIDA
PROFESSIONAL ENGINEER

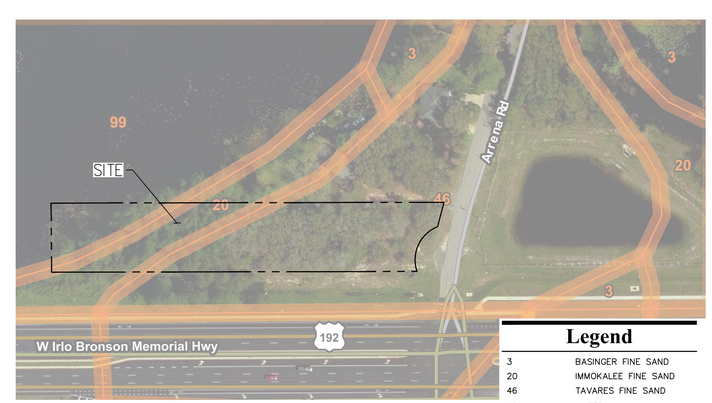
DATE: Nov. 28, 2017
Jaime Igua, P.E.
P.E. # 69884

Project Number: 62980.00

Saved Monday, November 27, 2017 4:01:27 PM SSTEERS Plotted Tuesday, November 28, 2017 10:55:54 AM Steers, Shawn

\\FL-ORL\projects\62980.00 CFI-WG-Arrena Road\cad\up\development plan\62980.00-EC.dwg





Legend

3	BASINGER FINE SAND
20	IMMOKALEE FINE SAND
46	TAVARES FINE SAND
99	WATER

SOILS MAP

N.T.S.

Source: USDA

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225 E. Robinson Street
Suite 300
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407.839.4006
Certificate of Authorization
Number FL #3932

N

30 0 30 60
SCALE IN FEET

Ayman Barghuthi P-D Westgate - Arrena Road Marketing Building DP-17-09-282

Orange County, Florida

No.	Revision	Date	Apprvd.

Designed by	Checked by	Scale
SCS	JLI	1" = 30'

Issued for: Development Plan
Vertical Datum NAVD88

Date: November 2017

Drawing Title

Existing Conditions Plan

Drawing Number

C3.00

Sheet of

JAIME L. IGUA LICENSE No. 69884 STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE: Nov. 28, 2017
Jaime Iguo, P.E.
P.E. # 69884

Project Number 62980.00

Saved Monday, November 27, 2017 4:03:12 PM SSTEERS Plotted Tuesday, November 28, 2017 10:56:25 AM Steers, Shawn

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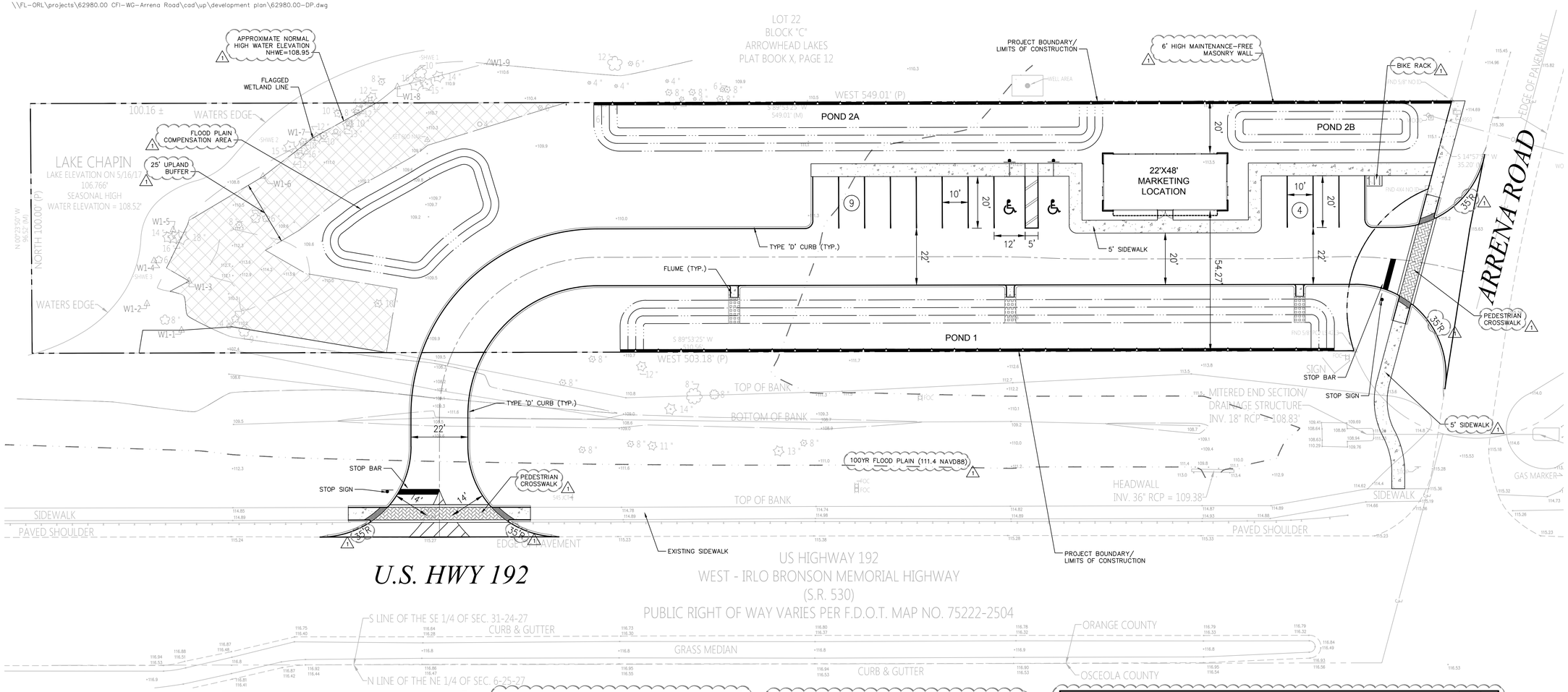

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Certificate of Authorization
Number FL #3932

20 0 20 40
SCALE IN FEET

SITE DATUM

PROJECT AREA:	1.16 ACRES
NET DEVELOPABLE AREA:	0.867 ACRES
CONSERVATION AREA:	0.297 ACRES
DEVELOPMENT PROGRAM:	COMMERCIAL
CURRENT LAND USE:	COMMERCIAL
CURRENT FUTURE LAND USE:	COMMERCIAL
CURRENT ZONING:	P-D
PROPOSED LAND USE:	COMMERCIAL

NOTE: PLANNED DEVELOPMENT IS LIMITED TO C-1 USES ONLY.

BUILDING:

BUILDING AREA:	1,074 SF / 0.025 AC
FAR:	0.0284
MAX. HEIGHT:	35 FT
PROPOSED HEIGHT:	12 FT
MAX. STORIES:	1 STORIES

BUILDING SETBACKS:

PERIMETER:	REQUIRED:	PROVIDED
U.S. 192	54 FT	54 FT
NORMAL HIGH WATER ELEVATION	50 FT	50 FT
SIDE	30 FT	227 FT
REAR	20 FT	20 FT

MINIMUM OPEN SPACE:	REQUIRED:	0.232 AC	20%
CATEGORY "A"			
LANDSCAPE AREA		0.414 AC	35.69%
UPLAND BUFFER AREA		0.116 AC	10.00%
CATEGORY "B"			
RETENTION AREAS *		0.130 AC	11.21%
TOTAL PROVIDED:		0.660 AC	56.90%

* RETENTION AREAS INCLUDE THE NON-FENCED, LANDSCAPED DRY RETENTION POND AND SWALE.

IMPERVIOUS COVER AREA CHART

CATEGORY	AREA (AC.)	AREA (%)
BUILDING COVERAGE	0.025	2.12
PAVEMENT/SIDEWALK/STRUCTURES	0.289	24.91
TOTAL	0.314	27.03%

PARKING REQUIREMENTS

DESCRIPTION	SIZE REQUIRED	SIZE PROVIDED	SPACES REQUIRED	SPACES PROVIDED
STANDARD SPACES *	9'X20'	10'X20'	4	11
STANDARD ACCESSIBLE SPACES **	12'X20'	12'X20'	1	2
TOTAL SPACES	–	–	5	13
BICYCLE PARKING ***	–	–	1	6

* PARKING COUNT ESTABLISHED PER ORANGE COUNTY LAND DEVELOPMENT CODE FOR GENERAL BUSINESS ESTABLISHMENTS SUCH AS HARDWARE, FURNITURE, APPLIANCE, JEWELRY, APPAREL STORES, AND ALL OTHER GENERAL RETAIL ESTABLISHMENTS (15,000) SQUARE FEET GROSS FLOOR AREA OR LESS. 1 SPACE PER 300 SQ. FT.
** ADA/STATE/LOCAL REQUIREMENTS
*** BICYCLE RACK DESIGN SHALL COMPLY WITH ORANGE COUNTY CODE SECTION 38-1485

SERVICE PROVIDERS

WATER SERVICE PROVIDED BY:
TOHO WATER AUTHORITY

SEWER SERVICE PROVIDED BY:
TOHO WATER AUTHORITY

STORM WATER MAINTENANCE PROVIDED BY:
ON SITE RETENTION/DETENTION SYSTEM TO BE DESIGNED IN ACCORDANCE WITH ORANGE COUNTY AND SFWMD CRITERIA

POWER SERVICE PROVIDED BY:
PROGRESS ENERGY

STORMWATER SUMMARY

100 YEAR FLOOD ELEVATION 111.4'

FIRM PANEL 12095C0560F EFFECTIVE DATE: 09/25/2009

Emergency Access General Notes:

1. DESIGNS SHALL ACCOMMODATE NFPA 1 AND 101, 2012 EDITION AND FFCP, 5TH EDITION
2. FIRE ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 20-FEET AND AN UNOBSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN 13'-6".
3. FIRE ACCESS ROADS SHALL BE DESIGNED TO ACCOMMODATE FIRE APPARATUS WITH A MINIMUM WEIGHT OF 41-TONS.
4. FIRE HYDRANTS SHALL BE INSTALLED SO THE DESIGN AND CALCULATIONS MEET THE REQUIREMENTS OF ANNEX H& OF NFPA-1, 2003 EDITION.
5. FIRE DEPARTMENT ACCESS ROADS SHALL BE PROVIDED SUCH THAT ANY PORTION OF THE FACILITY, OR ANY PORTION OF AN EXISTING WALL OF THE FIRST STORY OF THE BUILDING IS LOCATED NOT MORE THAN 150 FEET FROM FIRE DEPARTMENT ACCESS ROADS IF THE BUILDING IS NOT SPRINKLERED AND 450 FEET WHEN BUILDINGS ARE PROTECTED WITH AUTOMATIC FIRE SPRINKLER SYSTEMS.
6. ALL BUILDINGS CAN BE ACCESSED BY OCFRD VEHICLES WITH LESS THAN 450' HOSE LENGTH MEASURED FROM THE CENTER LINE OF DRIVE LANE TO THE REMOTE PORTION OF BUILDINGS.

NEEDED FIRE FLOW

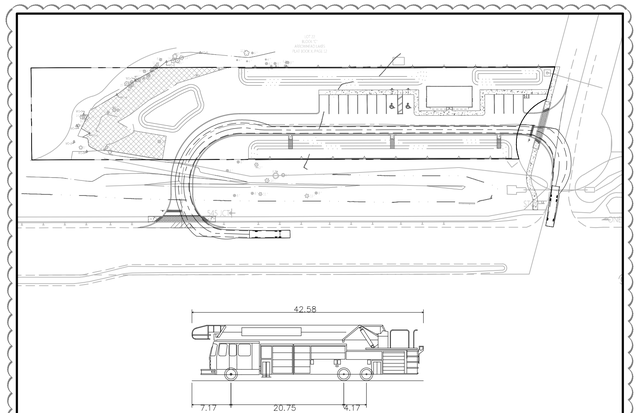
1. NEEDED FIRE FLOW REQUIREMENTS ARE BASED ON NFPA 1, TABLE 18.4.5.1.2 FOR A 1,074 SF BUILDING. NFF=1,500 GPM
2. ORANGE COUNTY REQUIRES A MINIMUM OF 2,000 GPM FOR COMMERCIAL DEVELOPMENT.
3. THE NUMBER AND TYPE OF FIRE HYDRANT AND CONNECTIONS TO OTHER APPROVED WATER SUPPLIES SHALL BE CAPABLE OF DELIVERING THE REQUIRED FIRE FLOW AND SHALL BE PROVIDED AT APPROVED LOCATIONS.

NOTES

WETLAND IMPACT: NONE
CAD# 17-07-090

GENERAL NOTES:

1. THIS PROJECT SHALL COMPLY WITH THE COMMERCIAL DESIGN STANDARDS SET FORTH IN ARTICLE XII of CHAPTER 9 OF THE ORANGE COUNTY CODE.
2. IN ACCORDANCE WITH SECTION 38-1227, ANY VARIATIONS FROM COUNTY CODE MINIMUM STANDARDS REPRESENTED ON THIS PLAN THAT HAVE NOT BEEN EXPRESSLY APPROVED BY THE BCC ARE INVALID.
3. STORMWATER MANAGEMENT SYSTEM SHALL BE DESIGNED TO MEET ORANGE COUNTY CODE AND THE REQUIREMENTS OF THE LOCAL WATER MANAGEMENT DISTRICT.
4. LIGHTING SHALL COMPLY WITH ARTICLE XVI OF CHAPTER 9 OF ORANGE COUNTY CODE.
5. PROJECT LANDSCAPING AND BUFFERING WILL COMPLY WITH CHAPTER 24 LDC.
6. POLE SIGNS AND BILLBOARDS SHALL BE PROHIBITED. GROUND SIGNS ARE PER THE MASTER SIGN PLAN AND FASCIA SIGNS SHALL COMPLY WITH CHAPTER 31.5 OF THE ORANGE COUNTY CODE.
7. OUTSIDE STORAGE IS PROHIBITED.
8. NO WETLAND IMPACTS ARE PROPOSED.
9. THE WATER QUALITY TREATMENT VOLUME FOR THE PROJECT WILL BE MET IN THE PROPOSED DRY DETENTION PONDS.
10. OWNERSHIP/MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.
11. ALL CONSTRUCTION DETAILS ARE CONCEPTUAL AND SUBJECT TO REVIEW AND MODIFICATION DURING THE APPROVAL OF FINAL CONSTRUCTION PLANS.
12. SIGNAGE SHALL BE PERMITTED SEPARATELY. SIGNAGE SHALL COMPLY WITH ORANGE COUNTY CODE SECTION 31.5-73. SIGNAGE WILL NOT BE REVIEWED WITH THE DP.
13. OWNERSHIP/MAINTENANCE OF CONSERVATION TRACTS/EASEMENTS/BUFFERS SHALL BE DESIGNATED TO THE APPROPRIATE ENTITY AND THE DEVELOPMENT RIGHTS DEDICATED TO ORANGE COUNTY.



FIRE TRUCK ROUTING PLAN

N.T.S.

Ayman Barghuthi P-D Westgate - Arrena Road Marketing Building DP-17-09-282

Orange County, Florida

No.	Revision	Date	Apprvd.
1	Orange County DRC	10/16/17	JK

Designed by	Checked by	Scale
SCS	JLI	1" = 20'

Issued for: Development Plan
Vertical Datum NAVD88
Date: November 2017

Drawing Title: Development Plan

Drawing Number: C4.00

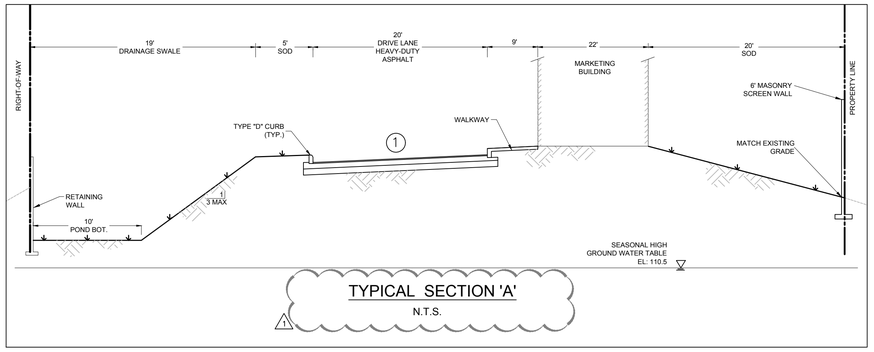
Sheet of

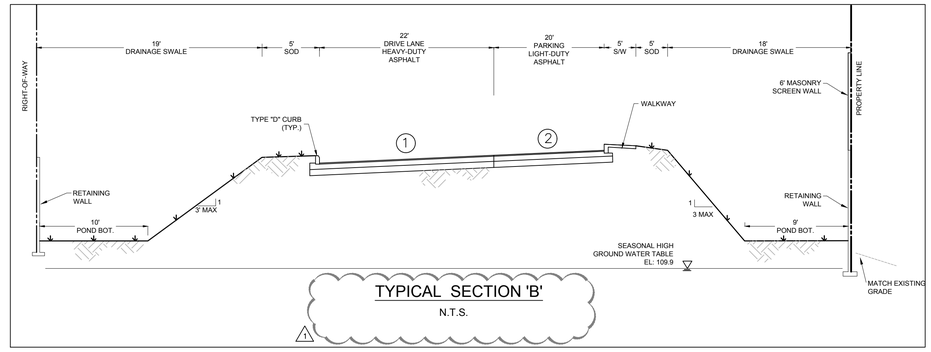
JAIME L. IGUA LICENSE No. 69884 STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE: Nov. 28, 2017
Jaime Igua, P.E.
P.E. # 69884

Project Number: 62980.00

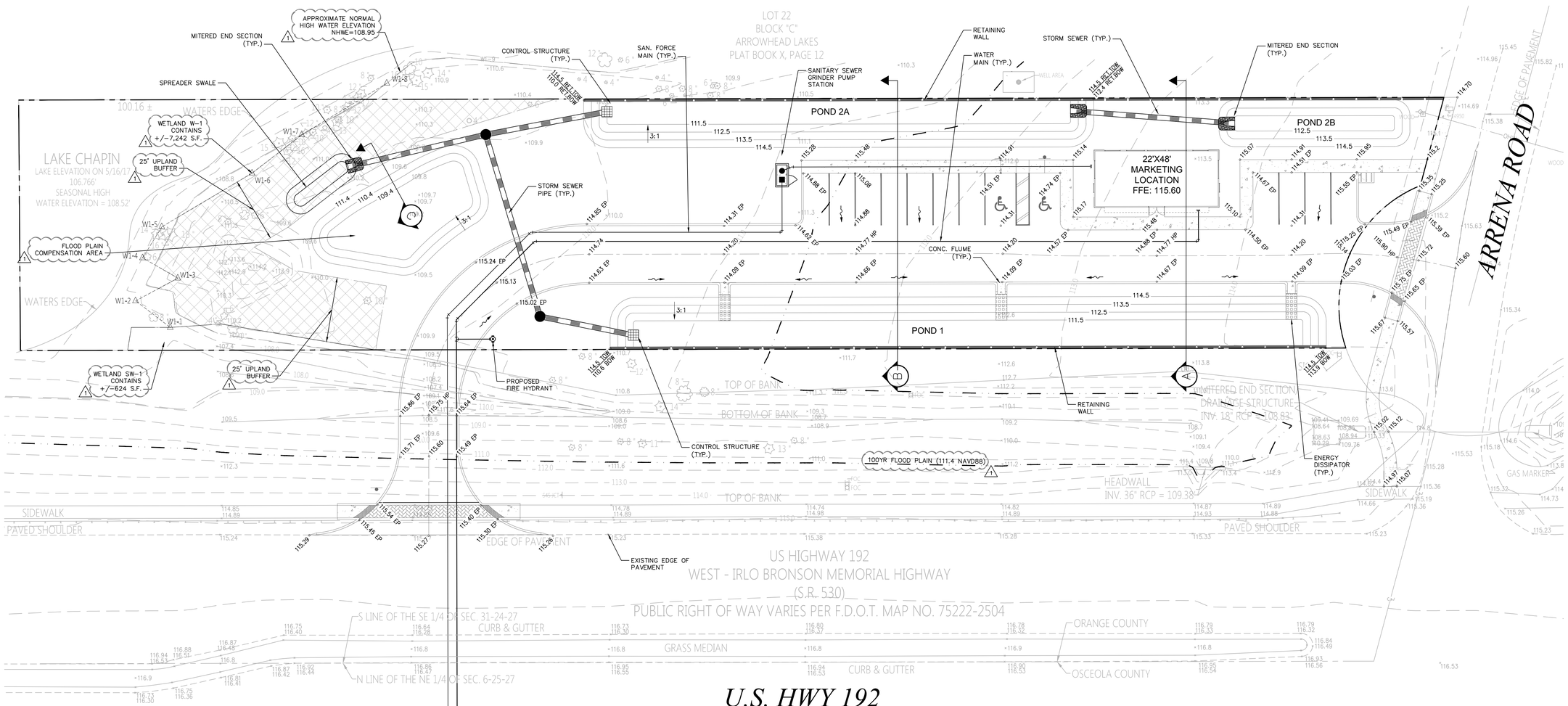
Saved Tuesday, November 28, 2017 10:44:59 AM SSTEERS Plotted Tuesday, November 28, 2017 10:56:59 AM Steers, Shawn

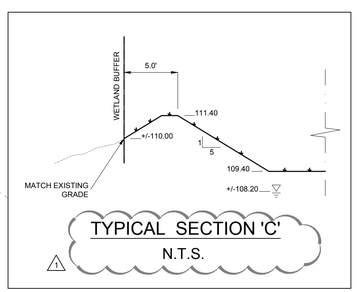




Key Notes

1. FLEXIBLE PAVEMENT HEAVY-DUTY SECTION:
   - 2" ASPHALTIC CONCRETE SURFACE COURSE FDOT SP-12.5 OR SP-9.5
   - 8" BASE COURSE
   - 12" STABILIZED SUBGRADE
2. FLEXIBLE PAVEMENT STANDARD-DUTY SECTION:
   - 1.5" ASPHALTIC CONCRETE SURFACE COURSE FDOT SP-9.5 FINE MIX.
   - 6" BASE COURSE
   - 12" STABILIZED SUBGRADE





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225 E. Robinson Street
Suite 300
Orlando, FL 32801
407.839.4006
Certificate of Authorization
Number FL #3932

NOTES:

1. ALL STORM DRAIN INLETS CONSTRUCTED AS PART OF NEW DEVELOPMENT PROJECTS IN ORANGE COUNTY SHALL HAVE METAL MEDALLION INLET MARKERS INSTALLED. TEXT ON THE MARKER SHALL BE EVENLY SPACED "NO DUMPING, ONLY RAIN IN THE DRAIN". MARKERS MUST BE COMMERCIAL GRADE STAINLESS STEEL, ALUMINUM, BRASS, OR BRONZE AND EITHER STAMPED FROM SHEET METAL OR CAST. METAL MARKER COLOR MUST BE NON-REFLECTIVE BLUE OR GREEN. AQUATIC CREATURE OR SYMBOL SHOWN ON MARKER SHALL BE CONSISTENT THROUGHOUT THE SUBDIVISION. MARKERS MUST BE AFFIXED TO A CLEAN, PREPARED SURFACE WITH ADHESIVES, FASTENERS, OR HEAT AS RECOMMENDED BY THE MANUFACTURER. MARKERS SHALL BE ALIGNED WITH THE CENTER OF DRAINAGE INLETS AT THE TOP OF THE CURB. LETTERING MUST BE BETWEEN 0.4-0.5 INCHES AND THE TOTAL DIAMETER OF THE MARKER BETWEEN 3.75-4.25 INCHES.
2. DESIGN SHALL BE IN COMPLIANCE WITH THE COMMERCIAL DESIGN STANDARDS SET FORTH IN ARTICLE XIII OF CHAPTER 9 OF THE ORANGE COUNTY CODE.
3. OWNERSHIP/MAINTENANCE OF CONSERVATION TRACTS/EASEMENTS/BUFFERS SHALL BE DESIGNATED TO THE APPROPRIATE ENTITY AND THE DEVELOPMENT RIGHTS DEDICATED TO ORANGE COUNTY.

N

20 0 20 40
SCALE IN FEET

Ayman Barghuthi P-D
Westgate - Arrena Road
Marketing Building
DP-17-09-282

Orange County, Florida

No.	Revision	Date	Apprvd.
1	OC DRC COMMENTS	10/16/17	JK

Designed by	Checked by	Scale
SCS	JLI	1" = 20'

Issued for: **Development Plan**
Vertical Datum NAVD88
Drawing Title

Date: **November 2017**

Grading, Drainage, & Utility Plan

Drawing Number
C5.00
Sheet of

JAIME L. IGUA LICENSE No. 69884 STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE: Nov. 28, 2017
Jaime Igua, P.E.
P.E. # 69884

Project Number 62980.00

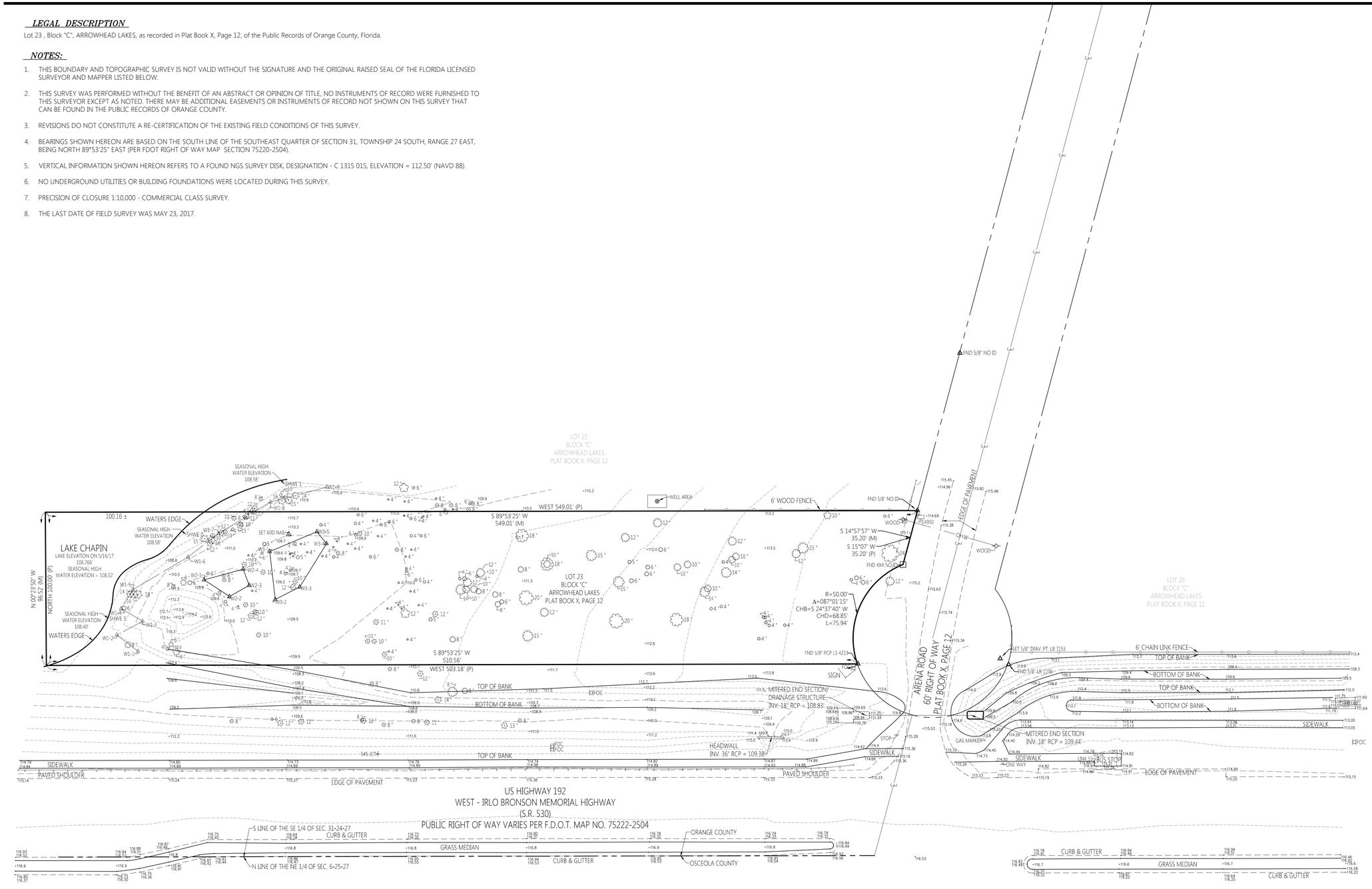
Saved Tuesday, November 28, 2017 10:03:28 AM SSTEERS Plotted Tuesday, November 28, 2017 10:57:48 AM Steers, Shawn

LEGAL DESCRIPTION

Lot 23 , Block "C", ARROWHEAD LAKES, as recorded in Plat Book X, Page 12, of the Public Records of Orange County, Florida.

NOTES:

1. THIS BOUNDARY AND TOPOGRAPHIC SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF THE FLORIDA LICENSED SURVEYOR AND MAPPER LISTED BELOW.
2. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF AN ABSTRACT OR OPINION OF TITLE, NO INSTRUMENTS OF RECORD WERE FURNISHED TO THIS SURVEYOR EXCEPT AS NOTED. THERE MAY BE ADDITIONAL EASEMENTS OR INSTRUMENTS OF RECORD NOT SHOWN ON THIS SURVEY THAT CAN BE FOUND IN THE PUBLIC RECORDS OF ORANGE COUNTY.
3. REVISIONS DO NOT CONSTITUTE A RE-CERTIFICATION OF THE EXISTING FIELD CONDITIONS OF THIS SURVEY.
4. BEARINGS SHOWN HEREON ARE BASED ON THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SECTION 31, TOWNSHIP 24 SOUTH, RANGE 27 EAST, BEING NORTH 89°53'25" EAST (PER FDOT RIGHT OF WAY MAP SECTION 75220-2504).
5. VERTICAL INFORMATION SHOWN HEREON REFERS TO A FOUND NGS SURVEY DISK, DESIGNATION - C 1315 015, ELEVATION = 112.50' (NAVD 88).
6. NO UNDERGROUND UTILITIES OR BUILDING FOUNDATIONS WERE LOCATED DURING THIS SURVEY.
7. PRECISION OF CLOSURE 1:10,000 - COMMERCIAL CLASS SURVEY.
8. THE LAST DATE OF FIELD SURVEY WAS MAY 23, 2017.



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225 E. Robinson Street
Suite 300
Orlando, FL 32801
407.839.4006
Certificate of Authorization
Licensed Business LB7153

N

0 30 60

1 : 30 U.S. SURVEY FEET

Legend & Abbreviations

	= POWER POLE
	= SIGN
M	= MEASURED DISTANCE
P	= PLAT DISTANCE
FND	= FOUND
ID	= IDENTIFICATION
INV.	= INVERT
RCP	= REINFORCED CONCRETE PIPE

No.	Revision	Date	Apprvd.

Field By CAP	Drawn by CAP	Checked by EJD
CAD checked by	Approved by EJD	
Scale 1"=30'	Date 05/19/2017	

Project Title

14950 ARRENA ROAD

Orange County, Florida

Issued for

Westgate Resorts LTD

Drawing Title

BOUNDARY & TOPOGRAPHIC SURVEY

Drawing Number

SV1

Sheet 1 of 1

Project Number

62980.00

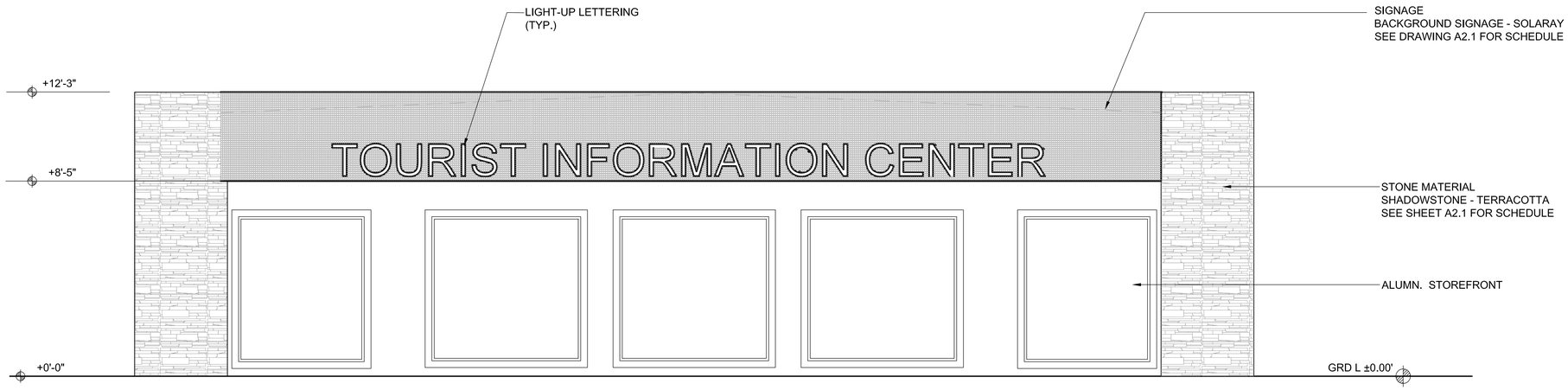
CERTIFIED TO:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

I HEREBY STATE THAT THIS BOUNDARY SURVEY OF THE HEREON DESCRIBED PROPERTY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS SURVEYED IN THE FIELD UNDER MY DIRECTION IN MAY, 2017, AND THAT THIS BOUNDARY SURVEY MEETS THE STANDARDS OF PRACTICE FOR FLORIDA SURVEYORS AND MAPPERS, AS SET FORTH IN CHAPTER 5J-17.05 OF THE FLORIDA ADMINISTRATIVE CODE, PURSUANT TO CHAPTER 472.027, FLORIDA STATUTES.

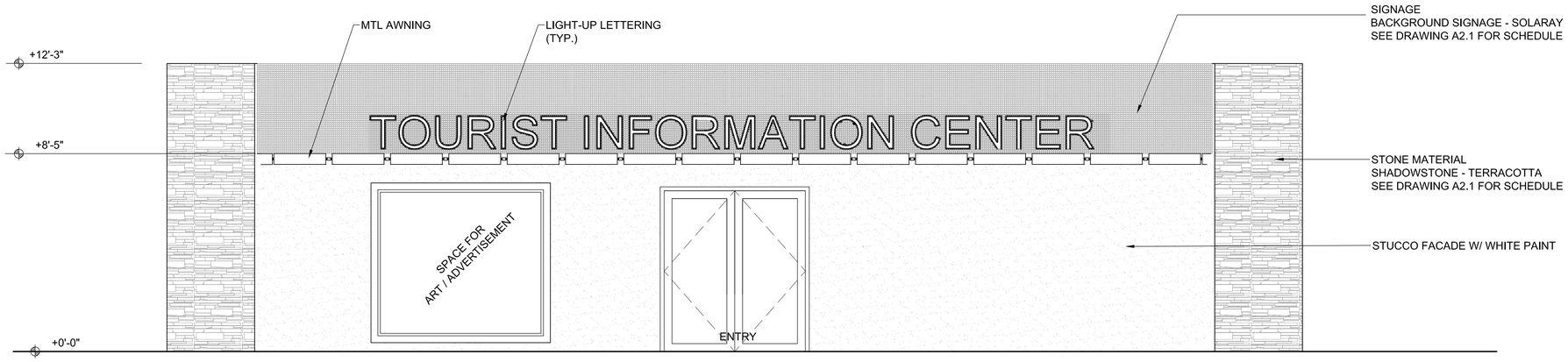
FOR THE FIRM BY; _____

ELI J. DONALDSON, P.S.M. DATE
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA LICENSE NO. 6984



1 EXTERIOR ELEVATION

SCALE: 3/8"=1'-0"



2 EXTERIOR ELEVATION

SCALE: 3/8"=1'-0"

GENERAL NOTES:

1. REFER TO SHEET A2.1 FOR COMPLETE FINISH SCHEDULE.
2. REFER TO SHEET A0.1 FOR ADA ACCESSIBILITY DETAILS.
3. RESTROOM ACCESSORIES TO BE WALL RECESSED, UNO.
4. ALL SF. LISTED MUST BE FIELD VERIFIED PRIOR ORDERING
5. ALL ROOMS TO BE PROVIDED WITH DIMMABLE LIGHTS.
6. REPORT ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS TO THE ARCHITECT OR OWNER"S REPRESENTATIVE.

REVISIONS

REV	DESCRIPTION	DATE

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NOTICE TO CONTRACTOR

DUE TO THE INHERENT NATURE OF REMODELING OF EXISTING BUILDINGS THE DESIGNER CANNOT DETERMINE EXACT DIMENSIONS WITHOUT REMOVING OR DEMOLISHING SOME EXISTING ELEMENTS OR FINISHES. THEREFORE; IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR START CONSTRUCTION AND / OR PRODUCTION OF ANY PART / ELEMENT OF THIS PROJECT AND SHALL INFORM BY WRITTEN DOCUMENT TO ARCHITECT / ENGINEER OF ANY DISCREPANCY OR MISTAKE FOUND.

PROPERTY:

WESTGATE RESORTS
OPC BUILDING
14950 ARRENA ROAD, WINTER GARDEN, FL 34787

Alma Smailbegovic
407.351.3350 (X. 322)
5601 WINDHOVER DRIVE
ORLANDO, FLORIDA. 32819

FL REGISTRATION: AR94885

ISSUED:

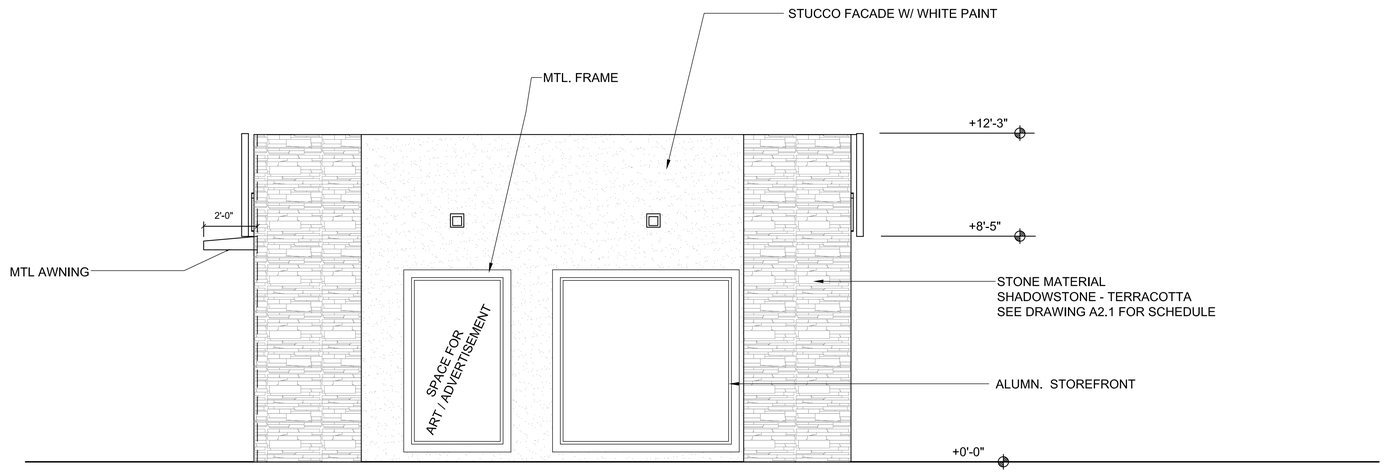
JOB:
OPC BUILDING

SCALE: 3/8"= 1'-0"

DATE: 08/10/2017

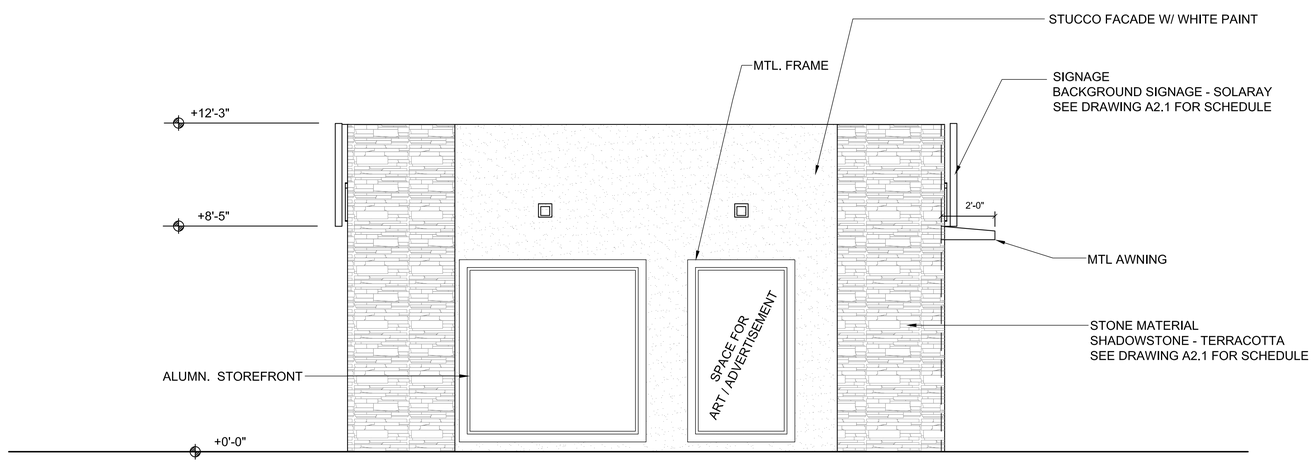
SHEET TITLE:
EXTERIOR ELEVATIONS

SHEET NUMBER:
A3.0



3 EXTERIOR ELEVATION

SCALE: 3/8"=1'-0"



4 EXTERIOR ELEVATION

SCALE: 3/8"=1'-0"

GENERAL NOTES:

1. REFER TO SHEET A2.1 FOR COMPLETE FINISH SCHEDULE.
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3. RESTROOM ACCESSORIES TO BE WALL RECESSED, UNO.
4. ALL SF. LISTED MUST BE FIELD VERIFIED PRIOR ORDERING
5. ALL ROOMS TO BE PROVIDED WITH DIMMABLE LIGHTS.
6. REPORT ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS TO THE ARCHITECT OR OWNER"S REPRESENTATIVE.

REVISIONS

REV	DESCRIPTION	DATE

COPYRIGHT NOTE

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NOTICE TO CONTRACTOR

DUE TO THE INHERENT NATURE OF REMODELING OF EXISTING BUILDINGS THE DESIGNER CANNOT DETERMINE EXACT DIMENSIONS WITHOUT REMOVING OR DEMOLISHING SOME EXISTING ELEMENTS OR FINISHES. THEREFORE; IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR START CONSTRUCTION AND / OR PRODUCTION OF ANY PART / ELEMENT OF THIS PROJECT AND SHALL INFORM BY WRITTEN DOCUMENT TO ARCHITECT / ENGINEER OF ANY DISCREPANCY OR MISTAKE FOUND.

PROPERTY:

WESTGATE RESORTS
OPC BUILDING
14950 ARRENA ROAD, WINTER GARDEN, FL 34787

Alma Smailbegovic
407.351.3350 (X. 322)
5601 WINDHOVER DRIVE
ORLANDO, FLORIDA. 32819

FL REGISTRATION: AR94885

ISSUED:

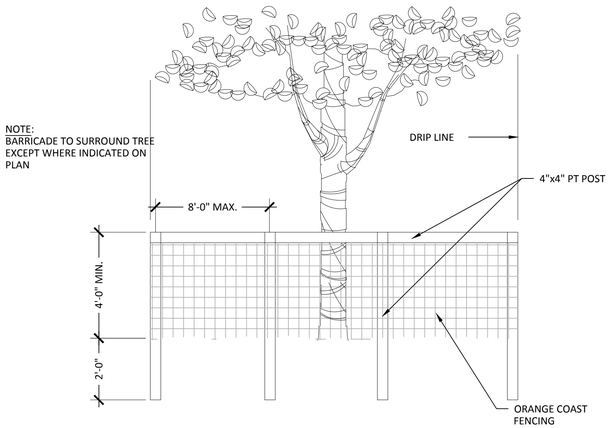
JOB: OPC BUILDING

SCALE: 3/8"= 1'-0"

DATE: 08/10/2017

SHEET TITLE: EXTERIOR ELEVATIONS

SHEET NUMBER: A3.1



EXISTING TREE PROTECTION DETAIL

NOTES:

SECTION 15-283(d)

Replacement. Protected trees identified for removal on the tree survey, other than pine trees, shall be replaced by trees identified on the recommended stock list, section 15-283(a).

1. Replacement of non-specimen trees shall be based on a one-to-one ratio of the cumulative DBH of the trees to be removed to the cumulative caliper of the trees to be installed. (For example: a 21" DBH tree to be removed shall be replaced by seven (7) 3" Caliper trees or three (3) 7" Caliper trees, or any combination of replacement trees that total the total DBH removed.) Specimen trees shall be replaced on a two-to-one ratio of the cumulative caliper of the trees to be installed to the cumulative DBH of the trees removed. Notwithstanding the replacement requirements of this paragraph, section 15-283(d), no applicant may be required to replace more than ninety caliper inches per acre (prorated for fractional acres) for each development approval or permit, as the case may be, upon demonstration that the applicant has avoided the removal of protected trees to the maximum extent practicable. The replacement requirements of this paragraph shall not apply to pine trees harvested during a bona fide silvicultural operation.

2. All replacement trees are to be Florida Nursery Standard #1 or better.

3. Fifty percent (50%) or more of the canopy trees used for replacement shall be a minimum of ten (10) feet in height and have a caliper no less than three (3) inches. Twenty-five percent (25%) or less of the canopy trees used for replacement shall be a minimum of eight (8) feet in height and have a caliper of no loss than two (2) inches.

4. Understory trees shall not make up more than twenty-five percent (25%) of the total number of trees planted to meet the required replacement for the site. Understory trees used for replacement shall be a minimum of four (4) feet in height and have a caliper no less than one and a half inches.

5. Replacement trees and preserved trees (three [3] inch caliper or greater) may count toward meeting the planting requirements of Orange County Code Chapter 24, Landscape Buffering and Open Space.

6. Healthy preserved trees on site, including pine trees on the recommended stock list, shall count toward meeting the replacement requirements of this section per the following:
   a. Fifty percent (50%) or more of the preserved trees applied toward replacement credit shall be three inches in caliper or greater.
   b. Twenty five percent (25%) or less of the preserved trees applied toward replacement credit may be a minimum of two (2) inches in caliper.
   c. Twenty five percent (25%) of the preserved trees applied toward replacement credit may be understory trees as defined in this article.
   d. The cumulative DBH of specimen trees preserved on site shall count two (2) to one (1) toward meeting the total replacement requirement.

7. Trees located within a designated conservation area shall not count toward replacement requirements of this article.

CALCULATIONS:

TREE REMOVAL & REPLACEMENT CALCULATION	Inches	Total Inches	
1. Total Protected Inches on Site:	0	0	
2. Total Number of Protected Trees (In DBH Inches) to be removed in Zone A:			
Non-Specimen trees	444	444	
Specimen trees (2:1 ratio)	24	48	
3. Total Number of Protected Trees (In DBH Inches) to be removed in Zone B :			
Non-Specimen trees	0	0	
Specimen trees (2:1 ratio)	0	0	
4. Total Number of Protected Trees (In DBH Inches) to be removed in Zone C:			
Non-Specimen trees	0	0	
Specimen trees (2:1 ratio)	0	0	
5. Total Protected Inches Removed (including 2:1 Specimen trees):		492	
6. Total Protected Inches Preserved (including 2:1 Specimen trees):		0	
7. Total Maximum Mitigation Required per Sec. 15-283(d):		104.4	
8. Total Inches Preserved (including 2:1 Specimen trees):		0	
9. Balance of Mitigation Owed:		104.4	(balance owed)
10. Total Inches Proposed to be Planted:		109.5	
11. Balance of Mitigation Owed:		-5.1	**(5.1 inches surplus)**

vhb.com
225 E. Robinson Street
Suite 300
Orlando, FL 32801
407.839.4006
Certificate of Authorization
Number FL #3932

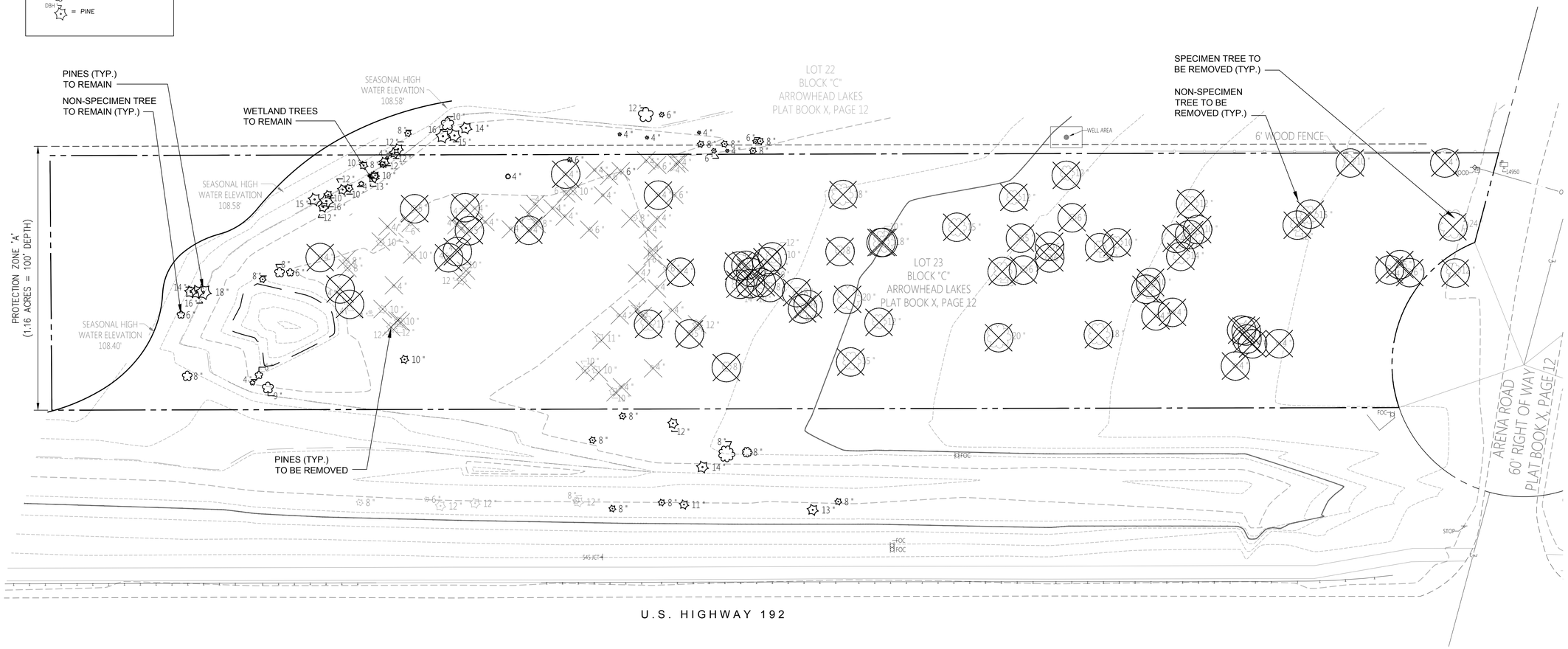
LEGEND

LEGEND & ABBREVIATIONS:

SIZE SHOWN IS TRUNK DIAMETER IN INCHES MEASURED AT CHEST HEIGHT

DBH = OAK

DBH = PINE



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SCALE IN FEET

Ayman Barghuthi P-D
Westgate - Arrena Road
Marketing Building
DP-17-09-282

Orange County, Florida

No.	Revision	Date	Apprvd.

Designed by SCS | Checked by JLI | Scale 1" = 30'

Issued for **Development Plan** | Date **November 2017**

Vertical Datum NAVD88

Drawing Title

Tree Mitigation Plan

Drawing Number **L1.00**

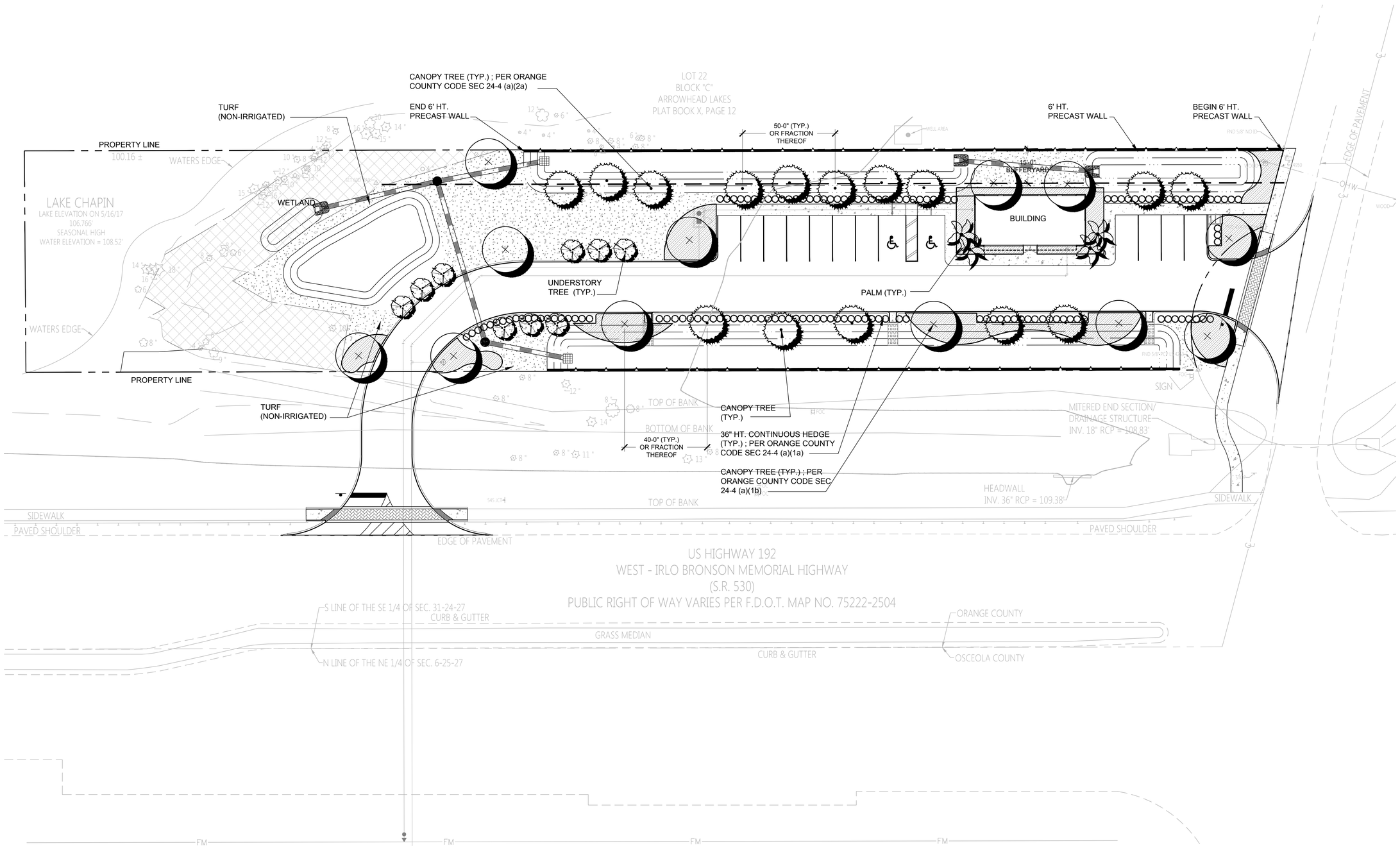
Sheet of

REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER JAY BROWN LA 703 STATE OF FLORIDA

DATE: Nov. 28, 2017
Christopher J. Brown
LA 0000703

Project Number 62980.00

Saved Tuesday, November 28, 2017 10:29:51 AM STOFTE Plotted Tuesday, November 28, 2017 10:58:14 AM Steers, Shawn



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SCALE IN FEET

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225 E. Robinson Street
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Number FL #3932

Ayman Barghuthi P-D
Westgate - Arrena Road
Marketing Building
DP-17-09-282

Orange County, Florida

No.	Revision	Date	Apprvd.

Designed by	Checked by	Scale
SCS	JLI	1" = 30'

Issued for: **Development Plan**
Date: **November 2017**
Vertical Datum NAVD88

Drawing Title
Code-Minimum Landscape Plan

Drawing Number
L2.00
Sheet of

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER JAY BROWN
LA 703
STATE OF FLORIDA

DATE: Nov. 28, 2017
Christopher J. Brown
LA 0000703

Project Number
62980.00

LEGEND

TREES	WATER USE	COMMON NAME / BOTANICAL NAME	CONT	CAL	SIZE	QTY
		CANOPY TREES				
	(L)	Southern Live Oak / Quercus virginiana	B&B	3.5"Cal	16` Ht., 8` Spd. 6' CT.	
	(L)	Shumard Oak / Quercus schumardii	B&B	3.5"Cal	16` Ht., 8` Spd. 6' CT.	
	(L)	Allee Elm / Ulmus parvifolia `Allee'	B&B	3.5"Cal	14` Ht., 8` Spd. 6' CT.	12
	(L)	Southern Magnolia / Magnolia grandiflora	B&B	3.5"Cal	14` Ht., 8` Spd. 6' CT.	
	(L)	Red Maple / Acer rubrum	B&B	3.5"Cal	14` Ht., 8` Spd. 6' CT.	
	(L)	Sycamore / Platanus occidentalis	B&B	3.5"Cal	14` Ht., 8` Spd. 6' CT.	
	(L)	`Emer II` Allee Elm / Ulmus parvifolia `Emer II`	B&B	3.5"Cal	13` Ht., 9` Spd. 5' CT.	
	(L)	Southern Red Cedar / Juniperous silicicola	B&B	3"Cal	12` Ht., 6` Spd. 4' CT.	
	(L)	Bald Cypress / Taxodium distichum	B&B	3"Cal	12` Ht., 5` Spd. 4' CT.	15
		UNDERSTORY TREES				QTY
	(L)	Ligustrum / Ligustrum japonicum	B&B	2.5"Cal	8' Ht.x10' Spd. (multi-trunk)	
	(L)	Tuscarora Crape Myrtle / Lagestroemia indica	30 gal	2.5"Cal	8` Ht., 5` Spd. 3' CT.	9
	(M)	Purple Trumpet Tree / Tabebuia impetiginosia	B&B	2.5"Cal	16` Ht., 14` Spd. 4' CT.	
		PALMS				QTY
	(L)	Sabal Palm / Sabal palmetto	B&B		8` -12' C.T.	
	(L)	Washingtonia Palm / Washingtonia robusta	B&B		8` -12' C.T.	4
	(L)	Indian Date Palm / Phoenix sylvestris	B&B		8` -12' C.T.	

SHRUBS / GROUNDCOVER		COMMON NAME / BOTANICAL NAME	CONT	CAL	SPACING	
	(L)	Walter`s Viburnum / Viburnum obovatum	7 gal	36" Ht., 24" Sp	30" o.c.	
	(M)	Sweet Viburnum / Viburnum odoratissiumum	7 gal	36" Ht., 24" Spd.,	30" o.c.	137
	(L)	Podocarpus / Podocarpus macrophyllus	7 gal	36" Ht., 24" Spd.,	30" o.c.	
	(L)	White Indian Hawthorn / Raphilolepsis indica	3 gal	15" Ht., 18" Spd.	30" o.c.	
	(L)	Coontie / Azmia floridana	3 gal	15" Ht., 18" Spd.	24" o.c.	
	(M)	Fringe Flower / Loropetalum chinensis	3 gal	15" Ht., 18" Spd.	30" o.c.	
	(L)	Star Jasmine / Trachelospermum asiaticum	1 gal	12" Runners	24" o.c.	
	(L)	Flax Lily / Dianella tasmanica `Variegata'	1 gal	15" Ht. x 15" Spd.	24" oc	
	(M)	Gold Mound Duranta / Duranta erecta `Gold Mound`	3 gal	18" Ht., 24" Spd.	30" oc	
	(L)	Thryalis / Galphimia gracilis	3 gal	18" Ht., 24" Spd.	30" oc	930
	(L)	Fire Bush / Hamelia patens `Compacta`	3 gal	18" Ht., 24" Spd.	30" oc	
	(L)	Dwarf Burford Holly / Ilex cornuta `Dwarf Burford`	3 gal	24" Ht., 24" Spd.	30" oc	
	(L)	Dwarf Yaupon / Ilex vomitoria `Stokes Dwarf`	3 gal	18" Ht., 18" Spd.	24" oc	
	(M)	Petite Red Ixora / Ixora `Petite Red`			30" oc	
	(L)	Pink Muhly / Muhlenbergia capillaris	1 gal	18" O.A.	24" oc	
	(M)	Philodendron / Philodendron xanadu	3 gal	24" Ht., 24" Spd.	30" oc	
	(L)	Plumbago / Plumbago `Imperial Blue`	3 gal	24" Ht., 24" Spd.	30" oc	
	(L)	Blue Pacific Juniper / Juniperus conferta	3 gal	8" Ht., 24" Spd	30" o.c.	
	(L)	Tricolor jasmine / Trachelospermum asiaticum `Tricolor	1 gal	12" Runners	18" oc	
	(L)	Confederate Jasmine / Trachelospermum jasminoides	1 gal	12" Ht., 18" Spd.	24" oc	
		SOD (to be irrigated)				
	(H)	St. Augustine (Stenotaphtum secundatum 'Floratam')				
	(L)	Zoysia Grass (Zoysia japonica)				0 S.F.
		SOD (non-irrigated)				
	(L)	Bahia Grass (Paspalum notatum)				6,800 S.F.

LANDSCAPE AREA BREAKDOWN

Turf shall not exceed 60 percent of total landscape area. (per Orange County Code) Current plans show 100% of landscape area to be irrigated being planting beds. The remaining 0% being open area sod as follows:

- Total Landscape Area = +/- 3,720 s.f.
- Total Turf Area (to be irrigated) = 0 s.f. (0%)
- Total Planting Bed Area = 3,720 s.f. (100%)
- Final Landscape Plan shall conform to "40/40/20 plan" consistent with Orange County Code 24-4 (l)(1,2).

GENERAL LANDSCAPE NOTES

1) ALL ON-SITE EXISTING CONDITIONS INCLUDING SURFACE AND SUBSURFACE UTILITIES, GRADES, DIMENSIONS AND SOIL CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION BEGINS. THE CONTRACTOR SHALL BECOME FAMILIAR WITH ALL PLANS PREPARED BY OTHERS THAT AFFECT THE LANDSCAPE AND IRRIGATION WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
2) EVERY POSSIBLE SAFEGUARD SHALL BE TAKEN TO PROTECT BUILDING SURFACES, EQUIPMENT, FURNISHINGS AND EXISTING PLANTING AREAS TO REMAIN INCLUDING LAWN. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE OR INJURY TO PERSON OR PROPERTY THAT MAY OCCUR AS A RESULT OF NEGLIGENCE IN THE EXECUTION OF THE CONTRACTOR'S WORK.
3) THE CONTRACTOR SHALL INTERFACE WITH OTHER WORK BEING PERFORMED BY OTHER CONTRACTORS. IT WILL BE NECESSARY FOR THE CONTRACTOR TO COORDINATE AND SCHEDULE ACTIVITIES, WHERE NECESSARY, WITH OTHER CONTRACTORS AND THEIR SUBCONTRACTORS. THE LANDSCAPE CONTRACTOR SHALL INSURE THAT THEIR WORK DOES NOT IMPACT ESTABLISHED OR PROJECTED DRAINAGE PATTERNS.
4) PRIOR TO PLANTING INSTALLATION, THE CONTRACTOR SHALL CONFIRM THE AVAILABILITY OF ALL THE SPECIFIED PLANT MATERIALS AND MAKE ARRANGEMENTS WITH THE LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE TO REVIEW AND MUTUALLY FIELD TAG AGREED UPON PLANT MATERIALS AT LEAST ONE (1) WEEK PRIOR TO DELIVERY TO SITE.
5) ALL PLANT MATERIAL SIZES SPECIFIED ARE MINIMUM SIZES. ALL CONTAINER AND TREE CALIPER SIZES ARE MINIMUM. CONTAINER OR CALIPER SIZE MAY BE INCREASED IF NECESSARY TO PROVIDE OVERALL PLANT SIZE SPECIFIED.
6) THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING EXISTING VEGETATION AS REQUIRED AND PREPARING PLANTING AREAS PRIOR TO INSTALLATION OF PLANT MATERIALS.
7) THE LANDSCAPE CONTRACTOR SHALL TEST PROJECT SOILS TO VERIFY THAT THE SOILS ON-SITE ARE ACCEPTABLE FOR PROPER GROWTH OF PLANT MATERIALS AND ADEQUATE DRAINAGE IN PLANT BEDS AND PLANTERS. THE LANDSCAPE CONTRACTOR SHALL COORDINATE THE LOCATION, AND PROCUREMENT OF EXISTING ON-SITE SOIL SAMPLES WITH THE LANDSCAPE ARCHITECT. REPRESENTATIVE SAMPLES SHALL BE SUBMITTED TO A CERTIFIED TESTING LABORATORY FOR ANALYSIS. THE FINDINGS, TOGETHER WITH RECOMMENDATIONS FOR AMENDING THE SOILS SHALL BE REVIEWED AND APPROVED BY THE OWNER, LANDSCAPE ARCHITECT, AND OWNER'S REPRESENTATIVE PRIOR TO DELIVERY AND INSTALLATION OF PLANT MATERIALS AT THE JOB.
8) THE LANDSCAPE CONTRACTOR SHALL INSURE ADEQUATE VERTICAL SOIL DEPTH AND DRAINAGE IN ALL PLANT BEDS AND PLANTERS. EXCAVATION OF COMPACTED FILL SHALL BE ACCOMPLISHED TO INSURE PROPER SOIL DEPTH AND DRAINAGE.
9) ALL PLANTING BEDS SHALL BE STAKED IN ACCORDANCE WITH THE PLANS AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL PROVIDE STAKES OR IRRIGATION FLAGS TO LOCATE THE EDGES OF ALL SHRUB AND GROUNDCOVER PLANT BEDS AND INDIVIDUAL TREES AND PALMS. IF EXISTING CONDITIONS DO NOT ALLOW THE DESIGN TO BE LAID OUT AS SHOWN, NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY.
10) ALL PROPOSED TREES SHALL BE INSTALLED EITHER ENTIRELY IN OR ENTIRELY OUT OF PLANTING BEDS. PLANTING BED OUTLINES SHALL NOT BE OBSTRUCTED AND SHALL BE SMOOTH AND FLOWING. IF TREES ARE LOCATED OUTSIDE PLANTING BEDS IN GRASS AREAS, MAINTAIN A MINIMUM THREE FEET 3' WIDE OFFSET TO ALLOW FOR MOWERS TO MANEUVER.
11) THE PLANT QUANTITIES SHOWN ON THE LANDSCAPE CONTRACT DOCUMENTS ARE FOR THE CONVENIENCE OF THE LANDSCAPE CONTRACTOR. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES AND REPORTING ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT FOR CLARIFICATION PRIOR TO CONTRACT AWARD AND COMMENCEMENT OF WORK.
12) THE LANDSCAPE CONTRACTOR SHALL VERIFY THE EXTENT OF GRASSING WORK IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING GRASS IN THE AREAS SHOWN ON THE PLAN IN SUFFICIENT QUANTITY TO PROVIDE FULL COVERAGE. ADDITIONAL GRASS REQUIRED WILL BE ADJUSTED BASED ON A SQUARE FOOTAGE UNIT PRICE. AREAS TO BE GRASSED SHALL BE AMENDED PER SOLIs REPORT TO PROVIDE REQUIRED NUTRIENTS AND SOIL PH OF BETWEEN 6.0 AND 7.0.
13) THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PLANTS, SPACED AS SPECIFIED ON THE PLANT LIST. WHEN INSTALLING SHRUBS IN PLANTING BEDS, SPACING OF MATERIAL SHALL TAKE PRECEDENCE OVER QUANTITY OF MATERIALS INDICATED FOR PLANTING AREAS. NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY IF SUCH SITUATIONS ARISE. SHRUB AND GROUNDCOVER SPACING IS GENERALLY INDICATED ON THE PLANT LIST FOR ALL 'MASS PLANTINGS'. ACCENT SHRUBS AND TREES THAT ARE NOT PART OF MASS PLANTINGS SHALL BE SPACED AS SHOWN ON THE PLANS.
14) THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY AND PLUMB CONDITION OF ALL INSTAL.LED PLANT MATERIALS. THE CONTRACTOR SHALL REMOVE ALL STAKING MATERIALS THE END OF THE GROW-IN PERIOD AND DISPOSE OFFSITE.
15) ALL PLANTING BEDS SHALL BE TOP-DRESSED WITH A 3" LAYER OF MULCH AS SPECIFIED. ALL TREES SHALL HAVE A 3" THICK MULCH RING PLACED AROUND THE BASE OF THE TRUNK. THE LANDSCAPE SCOPE OF WORK INCLUDES MULCHING AS AN INTEGRAL PART THE PROJECT.
16) ALL PLANT MATERIALS SHALL RECEIVE ADEQUATE WATERING BY THE LANDSCAPE CONTRACTOR AS REQUIRED UNTIL THE LANDSCAPE IRRIGATION SYSTEM IS FULLY OPERATIONAL AND UNTIL FINAL ACCEPTANCE BY OWNER.
17) ALL EXISTING PLANT BEDS TO REMAIN WITHIN THE CONSTRUCTION LIMIT LINE SHALL BE LEFT UNDISTURBED. EXISTING TREES TO REMAIN, AS NOTED ON THE DRAWINGS, SHALL BE LEFT UNDISTURBED AND PROTECTED BY WOODEN BARRICADES ERECTED AT THE PERIMETER OF THE TREE DRIP-LINE (S). NO VEHICLE SHALL TRAVERSE THIS AREA NOR SHALL ANY STORAGE OF MATERIALS OR EQUIPMENT BE PERMITTED WITHIN THE AREA OF THE TREE DRIP-LLNE(S). ANY EXISTING PLANT BEDS OR TREES DAMAGED BY CONSTRUCTION ACTIVITY SHALL BE REPLACED BY THE RESPONSIBLE PARTY AT THEIR OWN EXPENSE.
18) NO TREES SHALL BE PLANTED WITHIN DESIGNATED UTILITY CORRIDORS, PUBLIC RIGHT OF WAY NOR ANY PLANTS LOCATED WITHIN FOUR FEET (4') OF ANY SWALE CENTERLINE IDENTIFIED ON THE DRAWINGS. FIELD ADJUST AS NECESSARY AND REVIEW ADJUSTMENTS WITH THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
19) THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL DEBRIS AND EXCAVATED BACKFILL OFF-SITE ON A DAILY BASIS AT NO ADDITIONAL COST TO THE OWNER.
20) SEE LANDSCAPE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

LANDSCAPE INSPECTION

INSPECTION SCHEDULING: TO SCHEDULE A LANDSCAPE INSPECTION FOR ALL COMPLETED PERMITS, USE THE 'FAST TRACK' APPLICATION AT https://fastrack.ocfl.net/PublicPortal/OC/index.jsp OR CALL 407-836-5550. REQUEST A CODE '270' LANDSCAPE/ZONING INSPECTION. ALL PERMITS ASSOCIATED WITH THE PROJECT THAT ARE COMPLETE AND HAVE A LANDSCAPE OR ZONING HOLD SHOULD BE ENTERED IN ORDER FOR ALL LANDSCAPE/ZONING HOLDS TO BE RELEASED UPON SATISFACTORY INSPECTION. INSPECTIONS ARE CONDUCTED ON TUESDAYS AND FRIDAYS ONLY AND SHALL BE SCHEDULED NO LATER THAN MIDNIGHT ON THE NIGHT BEFORE THOSE DAYS IN ORDER TO ENSURE THAT THE INSPECTION WILL TAKE PLACE.

LANDSCAPE IRRIGATION NOTE

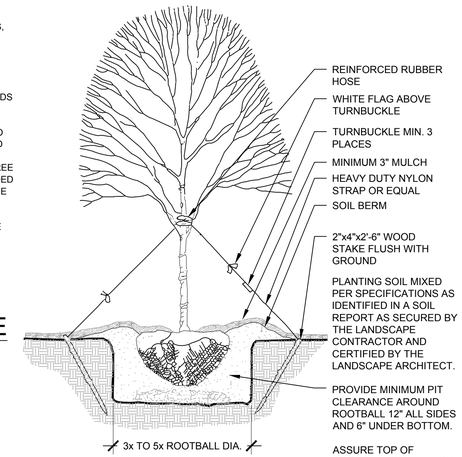
AN IRRIGATION SYSTEM PROVIDING 100% COVERAGE TO ALL LANDSCAPE AREAS IS TO BE INSTALLED AND BE FULLY OPERATIONAL PRIOR TO THE INSTALLATION OF ANY SPECIFIED PLANT MATERIALS. THE OPERATION TIMES AND DURATIONS SHALL BE SCHEDULED TO PROVIDE NORMAL WATER REQUIREMENTS BASED ON PLANT MATERIAL TYPE, (I.E. TREES, SHRUBS, GROUNDCOVERS, AND SOD) PER ORANGE COUNTY CODE (24-7) "ALL NONREUSE CENTRAL IRRIGATION SYSTEMS SHALL HAVE A RAIN SENSOR DEVICE OR SWITCH WHICH WILL OVERRIDE THE IRRIGATION CYCLE WHEN ADEQUATE RAINFALL HAS OCCURED"

ORANGE COUNTY LANDSCAPE CODE NOTES

1) FINAL LANDSCAPE PLAN SHALL CONFORM TO THE "40-40-20 PLAN" AND WILL BE CONSISTENT WITH ORANGE COUNTY CODE 24-4 (L)(1,2).
2) LANDSCAPE AREAS CONTAIN NO MORE THAN 60 PERCENT SOD. SEC 24-4 (L) (1)
3) ALL EXISTING INVASIVE EXOTIC PLANTS, AS LISTED ON THE FLORIDA EXOTIC PEST PLANT COUNCIL'S INVASIVE PLANT SPECIES LIST, SHALL BE REMOVED
4) IRRIGATION SHALL BE DESIGNED AND INSTALLED TO CONFORM WITH ORANGE COUNTY CODE OF ORDINANCES, CH. 37, SECTIONS 601-613 OF THIS CODE.
5) THE IRRIGATION SYSTEM WILL BE PERMANENT FOR THE PURPOSE OF ESTABLISHING ALL PLANT MATERIAL ON SITE.
6) TO SCHEDULE A LANDSCAPE INSPECTION FOR ALL COMPLETED PERMITS, CALL THE AUTOMATED INSPECTION SYSTEM AT (407)836-2825 AND REQUEST A CODE '270' ZONING/LANDSCAPE INSPECTION. ALL PERMITS ASSOCIATED WITH THIS PROJECT THAT ARE COMPLETE SHALL BE PHONED IN, IN ORDER FOR ALL ZONING HOLDS TO BE RELEASED UPON SATISFACTORY INSPECTION. ZONING/LANDSCAPE INSPECTIONS ARE CONDUCTED ON TUESDAYS AND FRIDAYS ONLY AND SHALL BE CALLED IN NO LATER THAN MIDNIGHT OF THE NIGHT BEFORE THOSE DAYS IN ORDER TO ENSURE THE INSPECTION ON THE APPROPRIATE DAY. *** ANY TREES PROPOSED TO BE PRESERVED ON THIS PLAN THAT ARE SUBSEQUENTLY REMOVED, SHALL BE CONSIDERED A VIOLATION, AND AS SUCH SHALL BE REPLACED (IN INCHES) ON SITE AT A 2:1 RATIO FOR NON-SPECIMEN TREES AND AT 4:1 FOR SPECIMEN TREES. AS AN ALTERNATIVE, THE VIOLATION MAY BE SATISFIED VIA PAYMENT INTO THE COUNTY TREE FUND OR BY SOME COMBINATION OF PAYMENT AND ONSITE PLANTING. THE CURRENT FEE, AS MAY BE AMENDED BY THE BCC, IS $106.00 PER INCH. IN ALL CIRCUMSTANCES, THE MITIGATION SHALL BE SATISFIED PRIOR TO THE RELEASE OF ZONING HOLD(S).ALL PLANT MATERIAL SHALL MEET OR EXCEED "FLORIDA #1" STANDARD.
7) INSTALLATION OF PLANT MATERIAL SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 24-5
8) ALL LANDSCAPE MATERIALS SHALL BE MAINTAINED IN A HEALTHY AND VIABLE STATE AFTER ISSUANCE OF THE CERTIFICATE OF OCCUPANCY
9) AN IRRIGATION PLAN SHALL BE SUBMITTED AT TIME OF FINAL PLAN SUBMITTAL THAT WILL PROVIDE 100% HEAD-TO-HEAD COVERAGE OF ALL TREES, SHRUB AND GROUNDCOVER AREAS.(SEC 24-7).

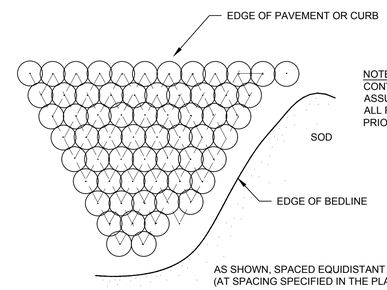
LANDSCAPE CONSTRUCTION DETAIL NOTE

ALL CONSTRUCTION DETAILS ARE CONCEPTUAL AND SUBJECT TO REVIEW AND MODIFICATION DURING APPROVAL OF FINAL CONSTRUCTION PLANS

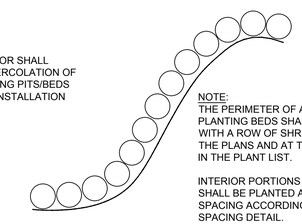


NOTE:
CONTRACTORS TO REMOVE ALL NON-BIODEGRADABLE NYLON STRAPPING OR ROPPING FROM ATOP OF PLANTED TREE ROOT BALLS. MULCH NOT PLACED ANY CLOSER THAN 12 - 18" FROM TRUNKS OF NEWLY PLANTED TREES

1 TREE PLANTING DETAIL
NTS



NOTE:
CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS/BEDS PRIOR TO INSTALLATION

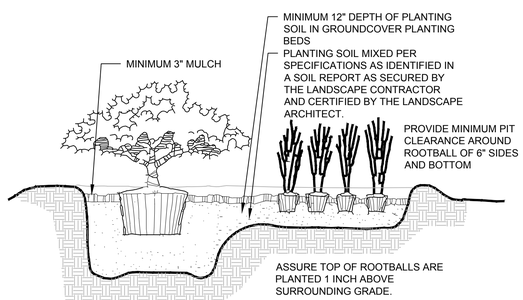


NOTE:
THE PERIMETER OF ALL CURVED PLANTING BEDS SHALL BE PLANTED WITH A ROW OF SHRUBS AS SHOWN IN THE PLANS AND AT THE SPACING SHOWN IN THE PLANT LIST.

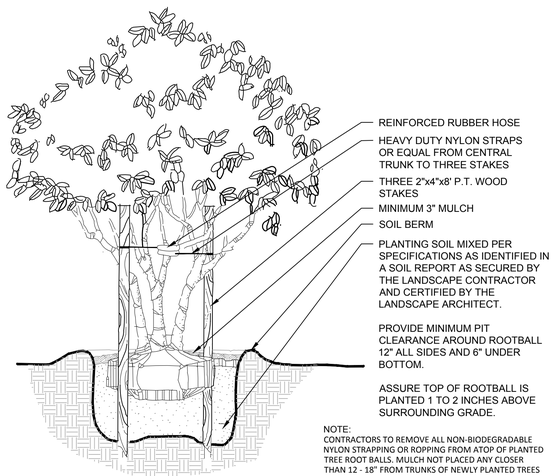
INTERIOR PORTIONS OF EACH BED SHALL BE PLANTED AT APPROPRIATE SPACING ACCORDING TO THIS PLANT SPACING DETAIL.

AS SHOWN, SPACED EQUIDISTANT FROM EACH OTHER (AT SPACING SPECIFIED IN THE PLANT LIST)

2 SHRUB/GROUNDCOVER SPACING PLAN
NTS

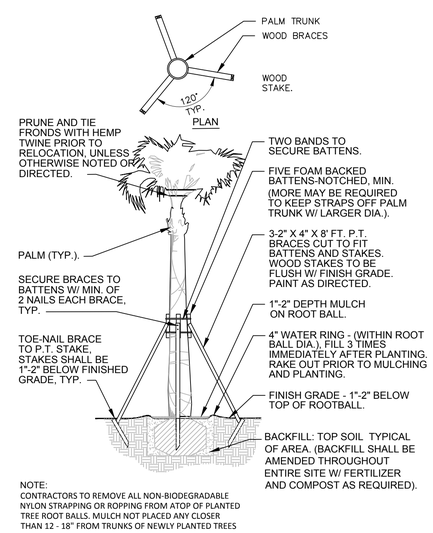


3 SHRUB/GROUNDCOVER PLANTING DETAIL
NTS



NOTE:
CONTRACTORS TO REMOVE ALL NON-BIODEGRADABLE NYLON STRAPPING OR ROPPING FROM ATOP OF PLANTED TREE ROOT BALLS. MULCH NOT PLACED ANY CLOSER THAN 12 - 18" FROM TRUNKS OF NEWLY PLANTED TREES

4 MULTI-STEM TREE PLANTING DETAIL
NTS



NOTE:
CONTRACTORS TO REMOVE ALL NON-BIODEGRADABLE NYLON STRAPPING OR ROPPING FROM ATOP OF PLANTED TREE ROOT BALLS. MULCH NOT PLACED ANY CLOSER THAN 12 - 18" FROM TRUNKS OF NEWLY PLANTED TREES

5 PALM BRACING DETAIL
NTS

vhb.com
vhb
225 E. Robinson Street
Suite 300
Orlando, FL 32801
407.839.4006
Certificate of Authorization
Number FL #3932

Ayman Barghuthi P-D
Westgate - Arrena Road
Marketing Building
DP-17-09-282

Orange County, Florida

No.	Revision	Date	Appvd.

Designed by SCS | Checked by JLI | Scale

Issued for **Development Plan** | Date **November 2017**

Vertical Datum NAVD88

Drawing Title

Landscape Schedule, Details and Notes

Drawing Number **L250**

Sheet of

REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER JAY BROWN LA 703 STATE OF FLORIDA

DATE: Nov. 28, 2017
Christopher J. Brown
LA 0000703

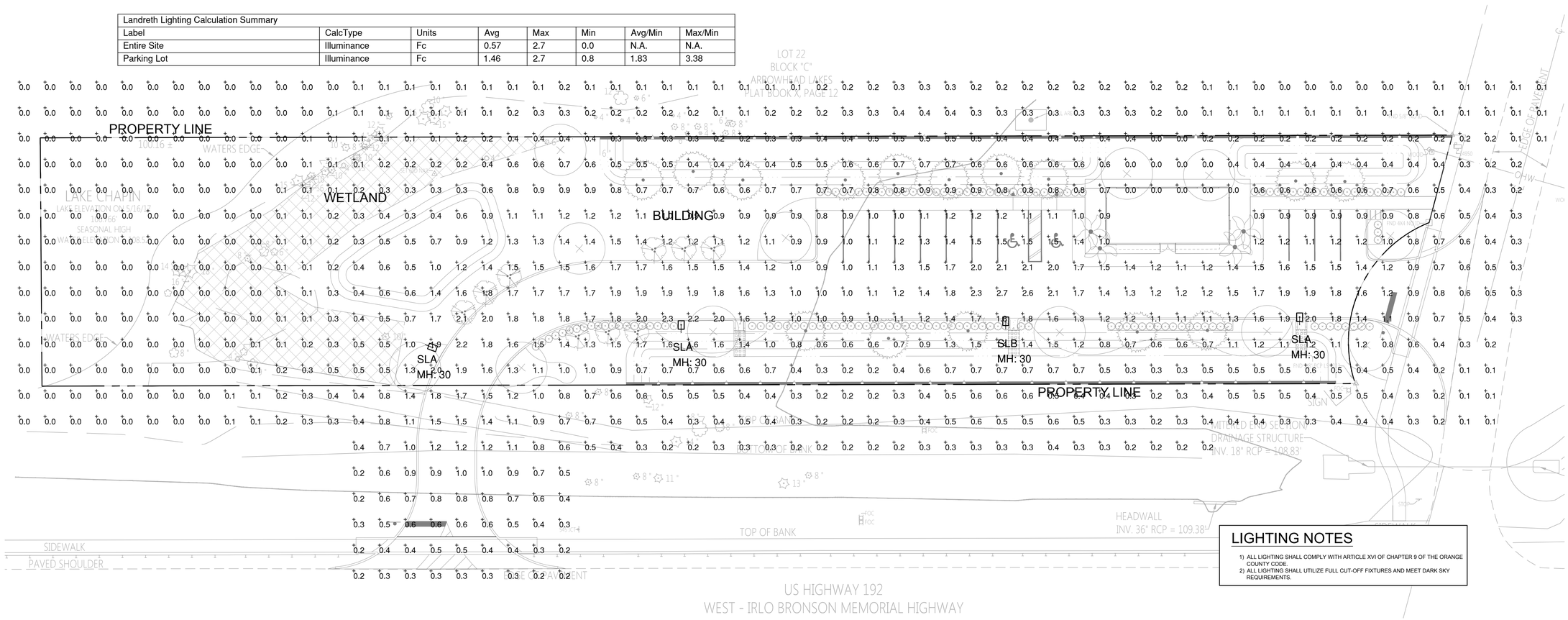
Project Number **62980.00**

Saved Tuesday, November 28, 2017 10:34:03 AM STOFTE Plotted Tuesday, November 28, 2017 10:59:09 AM Steers, Shawn

\\vhb\proj\Orlando\62980.00 CFI-WG-Arrena Road\cad\up\development plan\62980.00 LA-Lighting.dwg

Landreth Lighting Luminaire Schedule									
Symbol	[MANUFAC]	Qty	Label	Arrangement	Description	LLF	Lum. Watts	Lum. Lumens	BUG Rating
	Lithonia Lighting	3	SLA	SINGLE	DSX0 LED 40C 1000 40K T3M MVOLT RPA; MOUNTED @ 30' AFG ON A ROUND TAPERED ALUMINUM POLE	1.000	138	15008	B3-U0-G3
	Lithonia Lighting	1	SLB	SINGLE	DSX0 LED 40C 1000 40K TFTM MVOLT RPA; MOUNTED @ 30' AFG ON A ROUND TAPERED ALUMINUM POLE	1.000	138	14984	B2-U0-G3

Landreth Lighting Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Entire Site	Illuminance	Fc	0.57	2.7	0.0	N.A.	N.A.
Parking Lot	Illuminance	Fc	1.46	2.7	0.8	1.83	3.38



LIGHTING NOTES

1) ALL LIGHTING SHALL COMPLY WITH ARTICLE XVI OF CHAPTER 9 OF THE ORANGE COUNTY CODE.
2) ALL LIGHTING SHALL UTILIZE FULL CUT-OFF FIXTURES AND MEET DARK SKY REQUIREMENTS.

N

20 0 20 40
SCALE IN FEET

vhb.com
225 E. Robinson Street
Suite 300
Orlando, FL 32801
407.839.4006
Certificate of Authorization
Number FL #3932

Ayman Barghuthi P-D
Westgate - Arrena Road
Marketing Building
DP-17-09-282

Orange County, Florida

No.	Revision	Date	Appvd.

Designed by SCS | Checked by JLI | Scale 1" = 30'

Issued for **Development Plan** | Date **November 2017**

Vertical Datum NAVD88

Drawing Title

Landscape Lighting Photometric Plan

Drawing Number **L3.00**

Sheet of

Project Number **62980.00**

REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER JAY BROWN LA 703 STATE OF FLORIDA

DATE: Nov. 28, 2017
Christopher J. Brown
LA 0000703

1 PARKING LOT LIGHT FIXTURE
N.T.S.

D-Series Size 0
LED Area Luminaire

Specifications
EPA: 0.95 ft² (.09 m²)
Length: 26" (66.0 cm)
Width: 13" (33.0 cm)
Height: 7" (17.8 cm)
Weight (max): 16 lbs (7.26 kg)

Catalog Number / Notes / Type

For the best help we answer even if we jump to one of its interactive elements.

Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability!
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one RCAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

A+ Capable options indicated by this color background.

Ordering Information EXAMPLE: DSX0 LED P6 40K T3M MVOLT SPA DDBXD

DSX0 LED

Series	LEDs	Color temperature	Distribution		Voltage	Mounting
DSX0 LED	**Forward optics**	30K 3000 K	T1S Type I short	T5S Type V short	MVOLT[1]	**Shipped included**
	P1 P4 P7	40K 4000 K	T2S Type II short	T5M Type V medium	120[1]	SPA Square pole mounting
	P2 P5	50K 5000 K	T2M Type II medium	T5W Type V wide	208[1]	RPA Round pole mounting
	P3 P6	AMBPC Amber phosphor converted[2]	T3S Type III short	BLC Backlight control[3]	240[1]	WBA Wall bracket
	Rotated optics		T3M Type III medium	LCCO Left corner cutoff[3]	277[1]	SPUMBA Square pole universal mounting adapter[7]
	P1R2 P1X2		T4M Type IV medium	RCCO Right corner cutoff[3]	347[1][4]	RPUMBA Round pole universal mounting adapter[7]
	P1Y1 P1Z3		TFTM Forward throw medium		480[1][4]	**Shipped separately**
			VS Type V very short			KMA8 DDBXD U Mast arm mounting bracket adapter (specify finish)[8]

Control options

Shipped installed
PER NEMA® twist-lock receptacle only (control ordered separate)[5]
PER5 Five-wire receptacle only (control ordered separate)[5,6]
PER7 Seven-wire receptacle only (control ordered separate)[5,6]
DMG 0-10V dimming extend out back of housing for external control (control ordered separate)
PIR Bi-level, motion/ambient sensor, 8–15' mounting height, ambient sensor enabled at 5fc[9,10]
PIRH Bi-level, motion/ambient sensor, 15–30' mounting height, ambient sensor enabled at 5fc[9,10]
PIR1FC3V Bi-level, motion/ambient sensor, 8–15' mounting height, ambient sensor enabled at 3fc[9,10]
PIR1FC3V Bi-level, motion/ambient sensor, 15–30' mounting height, ambient sensor enabled at 3fc[9,10]
BL30 Bi-level switched dimming, 30%[9,10]
BL50 Bi-level switched dimming, 50%[9,10]
PNMTDD3 Part night, dim 6hrs[9]
PNMTSD3 Part night, dim 5 hrs[9]
PNMTSD2 Part night, dim 6 hrs[9]
PNMTFD3 Part night, dim 7 hrs[9]
FAO Field adjustable output[10]

Other options

Shipped installed
HS House-side shield[11]
SF Single fuse (120, 277, 347V)[1]
DF Double fuse (208, 240, 480V)[1]
LPO Left stripped optics[7]
RPO Right stripped optics[7]
DDL Diffused drop lens[7]
Order separately
BS Bird spikes
EGS External glare shield

Finish (required)
DDBXD Dark bronze
DBLXD Black
DNAXD Natural aluminum
DWHXD White
DDBTXD Textured dark bronze
DBLBXD Textured black
DNATXD Textured natural aluminum
DWHGXD Textured white

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Rev. 08/31/17
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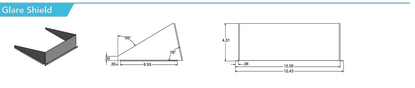
Ordering Information

Accessories
Ordered and shipped separately.
DLL127F 1.5 CD Photocell - SCL twist-lock (120-277V)[12]
DLL347F 1.5 CD_M Photocell - SCL twist-lock (347V)[12]
DLL480F 1.5 CD_M Photocell - SCL twist-lock (480V)[12]
DSHOLT SM X Shorting cap[12]
DG0HS-SM X House-side shield for 30 LED unit[13]
DG0HS-MD X House-side shield for 40 LED unit[13]
DG0HS-MC X House-side shield for 60 LED unit[13]
DSSHSXL X Diffused drop lens (polycarbonate)[13]
PUMBA DDBGZ1[14] Square pole round pole universal mount mg bracket adapter (specify finish)[14]
RAM DDBXD U Mast arm mounting bracket adapter (specify finish)[14]
For more control options, visit DTL and ROAM online.

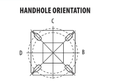
NOTES
1 Part P11, P12 and P13 and related options LPO or RPO only available together.
2 AMBPC is not available with BLC, LCCO, RCCO, P6, P7 or P13.
3 Not available with HS or DDL.
4 Not for use in Canada. Contact factory. Line voltage fuse 120-277V (5A10 Hz).
5 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
6 Not available in P6, P7 or P13. Not available with BL30, BL50 or PIR1FC3V options.
7 Not for use with any other optics or accessories. Contact factory for availability. Not for use with PUMBA (finial) U, 1.5 CD vibration load rating per ANSI C136.31.
8 Must order fixture with DM mounting. Must be ordered as a separate accessory; see Accessories information. For use with 3.5" mast arm (not included).
9 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
10 If ROAM node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included. Reference Motion Sensor table on page 3.
11 Not available with P4, P5, P6 or P7 in 30K CCT. Not for use in Canada.
12 Requires (2) separately switched circuits.
13 Not available with DNY, NDG or PNMT. For PER5 or PER7 use PER Table on page 3.
14 Not available with DNY, NDG, PER5, PER7, PER, PER1, PER2 or PER3 use PER Table on page 3. Separate Dusk to Dawn required.
15 Not available with other dimming controls options.
16 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
17 Not available with P13. Not available for use specified with PER, PER5 or PER7 option. See PER Table on page 3.
18 For retrofit use only.

External Glare Shield

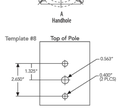


Drilling

HANDHOLE ORIENTATION



Template #8 Top of Pole



Tenon Mounting Slipfitter[16]

Tenon O.D.	Slip-fit	2 at 180°	2 at 90°	2 at 120°	3 at 90°	4 at 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

Pole drilling nomenclature - # of holes at degree from handhole (default side A)					
DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS
1 @ 90°	2 @ 180°	2 @ 90°	3 @ 120°	3 @ 90°	4 @ 90°
Side B	Side B & D	Side B & C	Round pole only	Side B, C, & D	Sides A, B, C, D

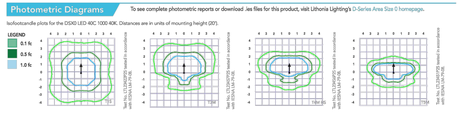
Note: Review luminaire spec sheet for specific nomenclature

Adaptor to tenon O.D.	2.3" @ 0°*	4" @ 0°*	2.5" @ 90°	2" @ 90°	4.5" @ 90°	4" @ 90°	2.5" @ 180°	2" @ 180°
DCA SPA	Y	Y	Y	N	N	N	N	N
DSX RPA	Y	Y	N	N	Y	Y	Y	Y
DSX SPUMBA	Y	N	N	N	-	-	-	-
DSX RPUMBA	N	N	N	N	Y	Y	Y	Y

*3 Holes of 120 equally round pole tap boss.

Photometric Diagrams To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Size 0 homepage.

Isofootcandle plots for the DSX0 LED 40C 1000 40K. Distances are in units of mounting height (20').



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Performance Data

Lumen Output
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

Power Package	System Watts	Type	25C (77F) 3000K Lumens	B	U	G	LPW	40C (104F) 3000K Lumens	B	U	G	LPW	50C (122F) 3000K Lumens	B	U	G	LPW
P1	38	T1S	4,369	1	0	1	115	4,706	1	0	1	124	4,766	1	0	1	125
		T2S	4,364	1	0	1	115	4,701	1	0	1	124	4,761	1	0	1	125
		T2M	4,387	1	0	1	115	4,726	1	0	1	124	4,785	1	0	1	126
		T3S	4,248	1	0	1	112	4,577	1	0	1	120	4,634	1	0	1	122
		T3M	4,576	1	0	1	115	4,714	1	0	1	124	4,774	1	0	1	126
		T4M	4,281	1	0	1	113	4,612	1	0	1	121	4,670	1	0	1	123
		TFTM	4,171	1	0	1	115	4,711	1	0	1	124	4,771	1	0	2	126
		TFFTS	4,148	2	0	2	120	4,900	2	0	2	129	4,962	2	0	2	131
		TS	4,512	2	0	2	120	4,904	2	0	2	129	4,966	2	0	2	131
		TFW	4,141	3	0	3	120	4,891	3	0	3	129	4,953	3	0	3	130
		TSW	4,576	3	0	2	120	4,929	3	0	3	130	4,992	3	0	2	131
		VS	4,368	1	0	1	115	4,707	1	0	1	124	4,767	1	0	1	125
		VW	2,668	1	0	1	70	2,874	1	0	2	76	2,911	1	0	2	77
		BLC	2,668	1	0	1	70	2,874	1	0	2	76	2,911	1	0	2	77
		RCCO	2,668	1	0	1	70	2,874	1	0	2	76	2,911	1	0	2	77
P2	49	T1S	5,578	1	0	1	114	6,081	1	0	1	123	6,077	2	0	2	124
		T2S	5,564	1	0	2	114	5,994	1	0	2	122	6,078	2	0	2	124
		T2M	5,593	1	0	1	114	6,025	1	0	2	123	6,102	1	0	2	125
		T3S	5,417	1	0	2	111	5,835	1	0	2	119	5,909	2	0	2	121
		T3M	5,398	1	0	2	110	6,011	1	0	2	123	6,087	1	0	2	124
		T4M	5,458	1	0	2	111	5,880	1	0	2	120	5,955	1	0	2	122
		TFTM	5,376	1	0	2	114	6,007	1	0	2	123	6,085	1	0	2	124
		TFFTS	5,799	2	0	2	118	6,247	2	0	2	127	6,327	2	0	2	129
		TS	5,804	2	0	2	118	6,252	2	0	2	128	6,332	2	0	2	129
		TFW	5,789	3	0	1	118	6,237	3	0	1	127	6,316	3	0	1	129
		TSW	5,854	3	0	2	119	6,283	3	0	2	128	6,364	3	0	2	130
		BLC	4,372	1	0	1	93	4,925	1	0	1	101	4,987	1	0	1	102
		LCCO	3,402	1	0	2	69	3,663	1	0	2	75	3,711	1	0	2	76
		RCCO	3,402	1	0	2	69	3,663	1	0	2	75	3,711	1	0	2	76
P3	71	T1S	7,033	2	0	2	99	7,570	2	0	2	107	7,670	2	0	2	108
		T2S	7,025	2	0	2	100	8,429	2	0	2	119	8,546	2	0	2	120
		T2M	7,063	2	0	2	100	8,473	2	0	2	119	8,586	2	0	2	121
		T3S	7,617	2	0	2	107	8,205	2	0	2	116	8,309	2	0	2	117
		T3M	7,846	2	0	2	111	8,452	2	0	2	119	8,559	2	0	2	121
		T4M	7,675	2	0	2	108	8,269	2	0	2	116	8,373	2	0	2	118
		TFTM	7,841	2	0	2	110	8,447	2	0	2	119	8,554	2	0	2	120
		TFFTS	8,115	3	0	0	115	8,785	3	0	0	124	8,896	3	0	0	125
		TS	8,162	3	0	1	115	8,792	3	0	1	124	8,904	3	0	1	125
		TFW	8,141	3	0	2	115	8,779	3	0	2	124	8,881	3	0	2	125
		TSW	8,204	3	0	2	116	8,838	4	0	2	124	8,950	4	0	2	126
		BLC	6,429	1	0	2	91	6,926	1	0	2	98	7,013	1	0	2	99
		LCCO	4,784	1	0	2	67	5,153	1	0	2	71	5,218	1	0	2	73
		RCCO	4,784	1	0	2	67	5,153	1	0	2	71	5,218	1	0	2	73
P4	92	T1S	9,795	2	0	2	106	10,547	2	0	2	115	10,681	2	0	2	116
		T2S	9,780	2	0	2	106	10,536	2	0	2	115	10,669	2	0	2	116
		T2M	9,831	2	0	2	107	10,590	2	0	2	115	10,724	2	0	2	117
		T3S	9,521	2	0	2	103	10,256	2	0	2	111	10,386	2	0	2	113
		T3M	9,807	2	0	2	107	10,565	2	0	2	115	10,698	2	0	2	116
		T4M	9,594	2	0	2	104	10,335	2	0	3	112	10,464	2	0	3	114
		TFTM	9,803	2	0	2	107	10,558	2	0	2	115	10,692	2	0	2	116
		TFFTS	10,193	3	0	1	111	10,981	3	0	1	119	11,120	3	0	1	121
		TS	10,201	3	0	1	111	10,990	3	0	1	119	11,129	3	0	1	121
		TFW	10,176	4	0	2	111	10,962	4	0	2	119	11,101	4	0	2	121
		TSW	10,254	4	0	2	111	11,047	4	0	2	120	11,186	4	0	2	122
		BLC	8,036	1	0	2	87	8,656	1	0	2	94	8,766	1	0	2	95
		LCCO	5,979	1	0	2	65	6,441	1	0	2	70	6,523	1	0	3	71
		RCCO	5,979	1	0	2	65	6,441	1	0	2	70	6,523	1	0	3	71

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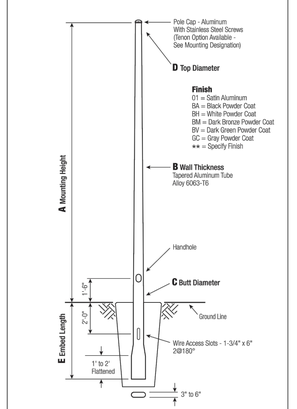
2 PARKING LOT LIGHT FIXTURE - ALUMINUM POLE
N.T.S.

RTA Round Tapered Aluminum Pole
No Arm — Direct Buried



WARNING:
Do not install light pole without luminaire.

Satin Aluminum or Powder Coated Finish per Customer Specification.

A Mtg. Ht.	B Wall Thickness	C Butt Diameter	Total Lbs. Weight	Maximum EPA 90	100	110	120	130	Gal. Cat. Number	Catalog Number
30	0.156"	7	85	10.6	7.6	6.8	5.2	4.2	50-124	RTA30C7BE-**

C Butt Dia.	D Top Dia.	E Embed
7	4.5	5'

C and D Dimensions in Inches

Customer Name:
Project:
Location:
Notes:
Quantity:

RTA30C7BE
CATALOG NUMBER | FINISH

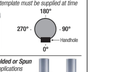
Pole
The pole shaft will be constructed of seamless extruded tube of 6063 Aluminum Alloy per the requirements of ASTM B221. The shaft assembly shall be full-length heat treated to produce a T6 temper.

Handhole
Reinforced, 4" x 2" formed Cast Aluminum Frame (Alloy 356-T6) with Aluminum Door and two (2) SS Hex Head Screws. Reinforced Frame will contain a tapped 3/8"-16NC Grounding Provision.

Embed Detail
Direct Buried Pole bottom section on 6"+ butt diameter poles will be partially flattened into an anti-rotational, oval cross section. Wire access will be provided 24" below ground line. Soil conditions vary by site. Foundation requirements should be determined by a qualified Structural Engineer with knowledge of jobsite soil conditions.

Vibration Damper
When determined necessary by Hapco, a Vibration Damper will be factory installed inside the pole shaft. Customer specification of the damper is available.

Mounting Designation
***Side Drill Mount** – For Side Drill Mount applications specify luminaire type, quantity and orientation. A luminaire drilling template must be supplied at time of order.*



***Tenon Mount - Welded or Spun** For Tenon Mount applications specify both Tenon diameter (2.375", 2.875", 3.5", etc.) and length (3", 4", etc.). Tenon style is factory option. Welded Tenon can be specified.*

EPA Notes: *Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2009 AASHTO LTS-5 using a 25 year design life. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight may reduce the maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.*

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Saved Tuesday, November 28, 2017 10:42:44 AM STOFTE Plotted Tuesday, November 28, 2017 10:59:50 AM Steers, Shawn