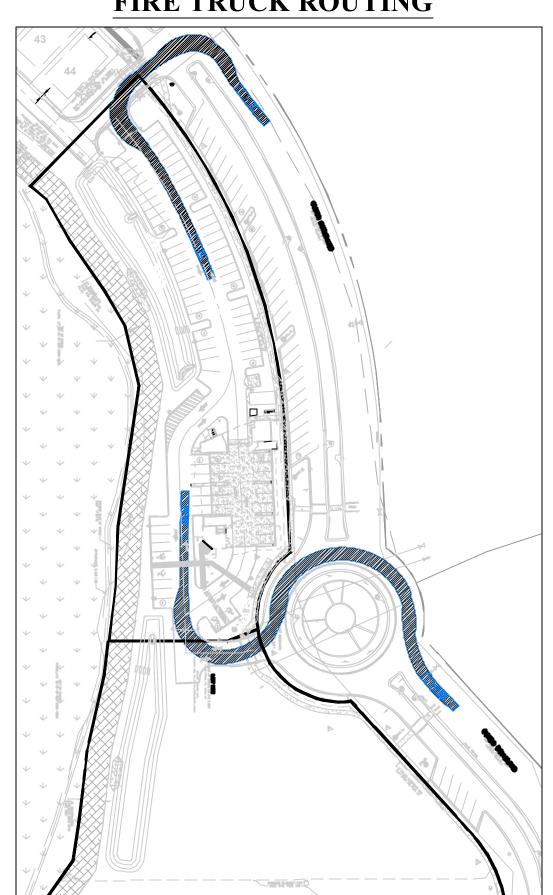
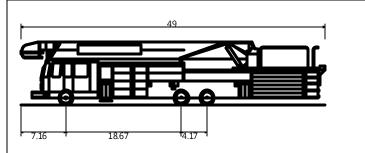


## FIRE TRUCK ROUTING





FT-Aerial - City of Oviedo Overall Length Overall Width Overall Body Height Min Body Ground Clearance Track Width Lock-to-lock time Curb to Curb Turning Radius



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

## FIRE FLOW CALCULATIONS

FIRE FLOW REQUIRED PER NFPA TABLE 18 4 5.1.2 CONSTRUCTION TYPE V BUILDING FIRE FLOW AREA BETWEEN 20,601-23,300 = 4,000 GPM 75% REDUCTION (SPRINKLER SYSTEM) = 4,000 GPM \* 0.25 = 1,000 GPM MINIMUM REQUIRED FIRE FLOW = 1,000 GPM

SITE DATA TABLE						
	LOT 10S					
PROJECT SIZE	177,289.2 SQ. FT. (4.07 ACRES)					
DEVELOPMENT AREA, LOT 10S-NORTH	89,460.98 SQ FT. (2.05 ACRES)					
FUTURE DEVELOPMENT, LOT 10S-SOUTH	87,828.22 SQ. FT. (2.02 ACRES)					
FUTURE LAND USE DESIGNATION	DOWNTOWN MIXED USE (DMU)					
ZONING DISTRICT	NDD-SUB B					
EXISTING LAND USE	VACANT					
PROPOSED LAND USE	RESIDENTIAL (1 UNIT) & OFFICE (21,023 SF)					
**EXISTING IMPERVIOUS AREA	0.04 ACRES (2%)					
**PROPOSED IMPERVIOUS AREA	1.07 ACRES (71%)					
**REQUIRED OPEN SPACE	15% OPEN SPACE					
**PROVIDED OPEN SPACE	0.64 ACRES (31%)					
**MAXIMUM BUILDING HEIGHT	45 FT					
**PROPOSED BUILDING HEIGHT	50 FT					
**MAXIMUM FAR	0 30					
**PROPOSED FAR	0.23					
**MAXIMUM DENSITY	16 UNITS/ACRE					
**PROPOSED DENSITY	<1 UNIT/ACRE					

\*\* DENOTES DATA FOR THE PROPOSED DEVELOPMENT OF THE NORTH PORTION OF LOT 10S AS SHOWN NOTE: THE PROPERTY (LOT 10S) WILL BE REPLATTED INTO 2 SEPARATE LOTS (LOT 105-NORTH & LOT 105-SOUTH)

				$\subseteq$
2	SETBACKS (	per Sec. 6.4(	<b>G)(4)(c))</b>	
		REQUIRED (FT)	PROVIDED: BUILDING 1	1
FRONT:	OMEDO BOULEVARD	0	8 93'	
SIDE:	NORTH BOUNDARY	5	322.03 <b>'</b>	1
	SOUTH BOUNDARY	5	89.89'	
	GENERATOR	5	15.90'	
REAR <sup>,</sup>	WEST BOUNDARY	15	68.07	1

/\ PEAK AND AVERAGE DAILY TRIPS
FOR OFFICE (X=21,023 SF/1,000)
WEEKDAY AVERAGE DAILY TRAFFIC.T = 9.74*21.02 AM AVERAGE PEAK HOUR RATE:T = 1.47*21.02 PM AVERAGE PEAK HOUR RATE:T = 1.42*21.02
AVERAGE DAILY TRIPS: T=204.74
AM PEAK HOUR TRIPS: T=30.90
PM PEAK HOUR TRIPS: T=29.85
FOR RESIDENTIAL (X=1 APARTMENT UNITS):
WEEKDAY AVERAGE DAILY TRAFFIC. T = 5.44*X
AM AVERAGE PEAK PERIOD RATE: T = 0.32*X
PM AVERAGE PEAK PERIOD RATE: $T = 0.41*X$
AVERAGE DAILY TRIPS: T= 5.44
AM PEAK HOUR TRIPS: T= 0.32  PM PEAK HOUR TRIPS: T= 0.41
FM FEAR HOUR IRIFS: I= U.41
PROJECT TOTAL TRIPS
AVERAGE DAILY TRIPS. T= 210.18
AM PEAK HOUR TRIPS: T= 31.22
PM PEAK HOUR TRIPS: T= 30.26

CONCURRENCY INFORMATION						
CATEGORY	DEMAND	TOTAL DEMAND (ADF)				
WATER (OFFICE)	12 GPD/100 SF	2523 GPD				
WASTEWATER (OFFICE)	10 GPD/100 SF	2102 GPD				
WATER (APARTMENT)	350 GPD/UNIT	350 GPD				
WASTEWATER (APARTMENT)	300 GPD/UNIT	300 GPD				

## MULTIMODAL TRANSPORTATION CONCURRENCY

1. ADDITION OF BENCH ALONG OVIEDO BOULEVARD 2. ADDITION OF BICYCLE PARKING SPACE

STORMWATER ERU
TOTAL AREA =2.05 ACRES (89,460.98 S.F.) IMPERVIOUS AREA =1 11 ACRES (48,351 60 S.F.) PERVIOUS AREA =0.94 ACRES (40,970.53 S.F.)
1 ERU = 2,464 S.F. (IMPERVIOUS) TOTAL ERU = 48,351.60 S.F./2,464 S.F./ERU TOTAL ERU = 19.62 ERU

SHARED PARKING REQUIRED TOTALS - OFFICE / APARTMENT								
USES				WEEKDAY	S		WEEKEND	S
	AREA	REQ.	1AM- 7AM	7AM— 6PM	6PM- 1AM	1 A M— <b>7A M</b>	7AM− 6PM	6PM 1AM
OFFICE (3 SPACE/ 1,000 SF)	21,023 SF	6.3	5% 3	100% 63	5% 3	0% 0	15 <b>%</b> 10	0% 0
RESIDENTIAL (2 SPACE/UNIT)	1 UNIT	2	100% 2	60% 2	100% 2	100% 2	75% 2	95% 2
TOTAL		65	5	65	5	2	12	2

MINIMUM PARKING SPACES REQUIRED PER TABLE 6.11 (SHARED PARKING IN NEW DOWNTOWN DISTRICT) = 65 SPACES

	<u> </u>	\LS	
		REQURED	PROVIDED
	STANDARD ON-SITE PARKING (10X20)	61	31
	COMPACT PARKING (9X20)	N/A	48
	STANDARD OFF-SITE PARKING	N/A	20
	CHARGING STATION SPACE	2	2
	HANDICAP PARKING SPACES	4	4
	TOTAL	65	105
٨	BICYCLE	9	10

NOTE: 20 OFF—SITE PARKING SPACES COUNTED TOWARDS (
THE TOTAL 11 OFF—SITE PARKING SPACES TO BE COUNTED TOWARD THE REQUIREMENT FOR THE LOT 10S—SOUTH IF APPROVED IN FUTURE. 2. LOADING SPACE REQUIREMENT: TYPE A (12'X35') LOADING SPACE PROVIDED: 1 SPACE (35.8'X12')

	0	20	40	80 Fee
LOT 10	SO (	UT	H @	
OVIED	00	N T	HE P	ARK

No.	Revi	sion					Date	Appvo
2	Rev.	Per	City	QF	Oviedo	Comments	11/07/2018	
1	Rev.	Per	City	QF	Ovledo	Comments	09/05/2018	
Design	ed by						Checked by	
Issued	for						Date	

**Overall Site Plan** 

Paul W. Yeargain FL PE # 50682

63203.00

Drawing Number

DATE: Nov. 12, 2018