

Oviedo Multi-Use Commercial Property
 499 Mitchell Hammock Road, Oviedo, FL

Needed Fire Flow
 ISO Method

$NFF = (C)(O)(1+(X+P))$

$C = 18 \times (F) \times (A^{0.5})$
 where: $F = 0.8$ (For Construction Class 3 noncombustible construction)
 $A = (\text{Area of first floor}) + (\# \text{ of floors} \times 50\% \text{ of the additional floor area})$
 Area = 9,968 SF
 Additional floors = 0
 $A = 9,968 + 0 = 9,968 \text{ SF}$

$C = 18 \times 0.8 \times 9,968^{0.5}$

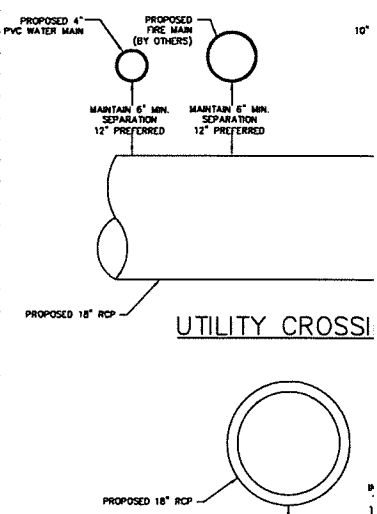
C = 1,438 GPM
 Nearest 250 GPM, C = 1,500 GPM

O = 1.00 [C-3 (Combustible)] - Retail/Restaurant

[1 + (X + P)] = 1.00 (no adjoining or connected buildings)

$NFF = (C)(O)(1+(X+P))$
 = **1,500 GPM**

- LEGEND**
- ⊙ PROPOSED SANITARY MANHOLE
 - PROPOSED FIRE MAIN
 - PROPOSED WATER MAIN
 - PROPOSED STORM
 - PROPOSED SANITARY SEWER
 - M PROPOSED GATE VALVE
 - ⊙ PROPOSED MANHOLE
 - ⊙ PROPOSED INLET
 - PROPOSED STORM
 - EXISTING STORM
 - EXISTING FORCE MAIN
 - EXISTING WATER MAIN
 - EXISTING RECLAIMED WATER MAIN
 - EXISTING INLET
 - - - - - CROSS ACCESS EASEMENT AREA



FDC CONNECTIONS SHALL NOT BE PLACED WITHIN 36" OF THE FIRE DEPARTMENT CONNECTIONS (FDC). REF: NFPA 1 2015 EDITION, 13.1.4 (BY OTHERS)

UTILITY CROSSING