



Project Name: _____

Application No.: CD-_____

**CITY OF OAKLAND PARK
COMMUNITY DEVELOPMENT DEPARTMENT
APPLICATION FOR A CONCURRENCY REVIEW**

SERVICE DEMAND ANALYSIS

In order to ensure compliance (consistency and concurrency) with the requirements of the Comprehensive Plan, a development permit shall not be approved unless there is sufficient available design capacity to sustain the required levels of service as established in the City of Oakland Park Comprehensive Plan. In addition to all other requirements, all requests or applications for development permits, unless exempt, must be reviewed for impact on the following public services. REFER TO ATTACHED TABLES.

(Complete the following:)

<u>SERVICE DEMANDS BY TYPE</u>	<u>CURRENT USE</u>	<u>PROPOSED USE</u>
1. Potable Water - Consumption	_____ gpd	_____ gpd
2. Potable Water - Fire Flow Contact Fire Marshal at 561-6113 & see attached)	_____ gpm	_____ gpm
3. Sanitary Sewer	_____ gpd	_____ gpd
4. Solid Waste	_____ lbs	_____ lbs
5. Traffic - Broward County TRIPS Table, or Traffic Study (applicant attach)	_____ trips _____ trips	_____ trips _____ trips
6. Drainage - 1st Floor Elevation (per Article X of Chapter 24)	_____ feet	_____ feet
Roadway Crown above mean sea level	_____ feet	_____ feet
7. Recreation at 3 acres per 1,000 population	_____ acres	_____ acres

8. School Sites and Facilities
(see attached application)

*The City cannot approve a development permit that generates one (1) or more students or is not exempt or vested from the requirements of public school concurrency, until the School Board has reported that the school concurrency requirement has been satisfied.

(Complete 7. Above for residential development only)

ADDITIONAL INFORMATION:

A BUILDING PERMIT APPLICATION MUST BE SUBMITTED WITHIN 18 MONTHS OF SITE PLAN APPROVAL TO PRESERVE ANY APPROVED CONCURRENCY RESERVATION.

**TABLE I
POTABLE WATER DESIGN FLOWS**

Facility Type	Water Use (Gallons Per Day)
Residential:	
Single-Family House	375
Duplex, Triplex, Townhouse & Apt. Per Unit	270
Mobile Home	108
Auditorium Per Seat	5
Bar or Cocktail Lounge Per Seat	21
Boarding School (Students & Staff Per Person)	108
Boarding House Per Person	54
Bowling Alleys (Including Bar & Food Svs. Per Lane)	215
Churches Per Sanctuary Seat	3
Churches with Kitchen Per Sanctuary Seat	7
Construction Camps (Semi-Permanent Per Person)	54
Country Clubs:	
Per Resident Member Per Room	108
Per Seat (Bar, Dining)	27
Day Schools:	
With Cafeterias, Gyms & Showers Per Pupil	27
Without Cafeterias, Gyms & Showers Per Pupil	16

With Cafeterias but no Gyms & Showers Per Pupil	21
Factories: (No Processing or Industrial)	
With Showers Per Person	37
Without Showers Per Person	21
Hospitals:	
With Laundry Per Bed	270
Without Laundry Per Bed	214
Landscape & Lawn:	
Per square foot of Area	.35
Laundromats Per Machine	428
Motels & Hotels Per Room	161
Movie Theaters Per Seat	5
Nursing Homes Per Bed	108
Offices Per Person	21
Picnic Parks:	
With Bathhouse Shower & Toilet	11
Toilets Only	5
Public Institutions Per Person	108
Restaurants (Including Toilets):	
24 Hour Per Seat	54

Not 24 Hour Per Seat	39
Drive-In Per Car Space	16
Cocktail Lounge Per Seat	21
Rooming Houses Per Day	39
Service Stations:	
Full Service Stations:	
First Two Bays	810
Each Additional Bay	375
Self Service Stations:	
Per Fuel Pump	108
Shopping Centers (No Food Service or Laundry) Per Square Foot of Floor Space	.10
Stores (No Food Service or Laundry) Per Square Foot of Floor Space	.10
Swimming Pools Per Person	10
Warehouses (No Food Service or Laundry) Per Square Foot of Floor Space	.10

In the case where the type of connection is not listed then the most suitable one is to be used.

The city retains the authority to require appropriate information to be submitted in accordance with American Water Works Association (AWWA) standards to settle any dispute.

**TABLE II
SANITARY SEWER DESIGN FLOWS**

Facility Type	Daily Flow In Gallons Per Day
Residential:	
Single-Family House	315
Duplex, Triplex, Townhouse & Apt. Per Unit	225
Mobile Home	90
Auditorium Per Seat	5
Bar or Cocktail Lounge Per Seat	18
Boarding School (Students & Staff Per Person)	90
Boarding House Per Person	45
Bowling Alleys (Including Bar & Food Svs. Per Lane)	180
Churches Per Sanctuary Seat	3
Churches with Kitchen Per Sanctuary Seat	6
Construction Camps (Semi-Permanent Per Person)	45
Country Clubs:	
Per Resident Member Per Room	90
Per Seat (Bar, Dining)	23
Day Schools:	
With Cafeterias, Gyms & Showers Per Pupil	23
Without Cafeterias, Gyms & Showers Per Pupil	14

With Cafeterias but no Gyms & Showers Per Pupil	18
Factories: (No Processing or Industrial)	
With Showers Per Person	31
Without Showers Per Person	18
Hospitals:	
With Laundry Per Bed	225
Without Laundry Per Bed	180
Laundromats Per Machine	360
Motels & Hotels Per Room	135
Movie Theaters Per Seat	5
Nursing Homes Per Bed	90
Offices Per Person	18
Picnic Parks:	
With Bathhouse Shower & Toilet	9
Toilets Only	5
Public Institutions Per Person	90
Restaurants (Including Toilets):	
24 Hour Per Seat	45
Not 24 Hour Per Seat	33
Drive-In Per Car Space	14

Cocktail Lounge Per Seat	18
Rooming Houses Per Day	33
Service Stations:	
Full Service Stations:	
First Two Bays	680
Each Additional Bay	315
Self Service Stations:	
Per Fuel Pump	90
Shopping Centers (No Food Service or Laundry) Per Square Foot of Floor Space	.10
Stores (No Food Service or Laundry) Per Square Foot of Floor Space	.10
Warehouses (No Food Service or Laundry) Per Square Foot of Floor Space	.10

In the case where the type of connection is not listed then the most suitable one is to be used.

The city retains the authority to require appropriate information to be submitted in accordance with AWWA standards to settle any dispute.

**TABLE III
SOLID WASTE GENERATION RATES**

Facility Type	Generation Per Day
Residential	8.9 lbs. per unit
Industrial & Commercial	
Factory/Warehouse	2 lbs. per 100 square feet
Office Buildings	1 lb. per 100 square feet
Department Store	4 lbs. per 100 square feet
Supermarket	9 lbs. per 100 square feet
Restaurant	2 lbs. per meal per day
Drug Store	5 lbs. per 100 square feet
School	
Grade School	10 lbs. per room & ¼ lb. per pupil
High School	8 lbs. per room & ¼ lb. per pupil
Institution	
Hospital	8 lbs. per bed
Nurse or Intern Home	3 lbs. per person
Home for Aged	3 lbs. per person
Rest Home	3 lbs. per person



Water Protection Standard Oakland Park Fire Marshal's Office Adopted January 2, 1995

This standard is applicable to both new and existing sites where the owner wishes to plat, replat, build, renovate, or remodel, or obtain any development order.

In areas where, in the opinion of the Fire Marshal or his representative, there are inadequate fire hydrants in number or quality, unlooped water lines, or inadequate pressure available to protect lives or property, the owner of the property must provide such improvements as are necessary to meet the following requirements:

- **Pipe Size:** The minimum size pipe to which hydrants are attached shall be 6" in single family residential areas and 8" in size in all other areas. All such lines and hydrants shall be in utility easements dedicated or deeded to the City or to the Utility transmitting water to said property if such deeds or easements are requested by the City or the Utility.
- **Hydrants:** Every street intersection shall have one fire hydrant on at least one corner of the intersection unless situated at four lane or greater trafficway where two hydrants will be required on opposite sides of the major artery. Additionally, and in any case, hydrants shall be provided to insure that the maximum distance between a hydrant and all portions of a structure is 500 feet in all single family residential areas and 300 feet in all other areas. Maximum distance between hydrants and vehicles with no structures involved shall not exceed 400 feet. Distance shall be measured only in directions and paths where a fire hose can be laid, and it shall be given that a hose cannot be laid across any street having a width greater than 24 feet of pavement. Alternatively, the required distances may be doubled for any building choosing to be fully sprinklered if not otherwise required to do so.
- **Hydrants: Technical-** All hydrants shall be Mueller Super Centurion or approved equal for maintenance standardization, with bottom opening of 5 1/4 " in diameter. They shall be erected and maintained so as to have the center of the steamer connection a minimum of 18" above the crown of the nearest roadway and a minimum of 18" above the surrounding ground with four foot clearance in any direction.

- **Looping:** It is the intent of this standard that the entire fire water supply system for this City be looped for both pressure and reliability. There shall be no fire service line constructed or replaced without looping the system, unless waived by the Fire Marshal for cause.

- **Pressure and Flow Requirements:** All fire hydrants shall have a minimum of 20 PSI residual pressure while flowing the requirement in GPM. The minimum GPM flow shall be:
 - R1.....1,000 GPM
 - RM10.....1,500 GPM
 - RM16, CF and B1 under 20,000 square feet and two stories or less.....2,000 GPM
 - RM25, other B1 and CF, and all other, including B2, B3, I1, as well as any operation deemed hazardous by the Fire Marshal's Office.....2,500 GPM

These figures shall apply to both area zoning and actual building use.

Alternatives for buildings installing non-required systems:

1. The installation of a fully automatic, monitored fire and smoke detection system throughout a structure shall reduce the minimum GPM flow requirement by twenty-five percent.
2. The installation of a monitored automatic fire suppression system throughout a structure shall reduce the minimum GPM flow requirement by twenty-five percent.

(In no case should total reductions for alternatives be more than 50%)