



## TYPES OF WORK

The following is a list of the Types of Work the City of West Palm Beach may require. Each Type of Work states the minimum requirements to be met in order to be qualified by the City of West Palm Beach.

### Code Type of Work

#### **101 Water Resource**

Requires engineering expertise in planning, design, permitting, bidding and construction administration services in connection with Water Resources as well as knowledge of current rules and regulations of local, state and federal agencies protecting the environment, including the Department of Environmental Protection, the South Florida Water Management District, the United States Environmental Protection Agency and the United States Corps of Engineers. The firm must employ at least one professional engineer, registered with the Florida State Board of Professional Engineers, having training and experience in the area of Water Resources.

#### **102 Surface Water Treatment**

Requires engineering expertise in planning, design, permitting, bidding and construction administration services in connection with surface water treatment as well as knowledge of current rules and regulations of local, state and federal agencies protecting the environment, including the Department of Environmental Protection, the South Florida Water Management District, the United States Environmental Protection Agency and the United States Corps of Engineers. The firm must employ at least one professional engineer who is registered with the Florida State Board of Professional Engineers and who has at least five years training or experience in the area of Surface Water Treatment.

#### **103 Wastewater Treatment**

Requires engineering expertise in planning, design, permitting, bidding and construction administration services in connection with wastewater treatment as well as knowledge of current rules and regulations of local, state and federal agencies protecting the environment, including the Department of Environmental Protection, the South Florida Water Management District, the United States Environmental Protection Agency and the United States Corps of Engineers. The firm must employ at least one

professional engineer who is registered with the Florida State Board of Professional Engineers and who has at least five years of training or experience in the area of Wastewater Treatment.

## **Code Type of Work**

### **104 Architectural Design**

Requires architectural expertise in planning, designing, permitting, bidding and construction administration phases of service in Architectural Design. The firm must employ at least one architect, registered with the Florida State Board of Architecture and Interior Design. Additionally, the firm must have knowledge of current rules and regulations of local, state and federal agencies regulating the environment and all land use and building code provisions, including the Department of Environmental Protection, the South Florida Water Management District, the United States Environmental Protection Agency, the South Florida Building Code and the United States Corps of Engineers.

### **105 Storm Sewer**

Requires engineering expertise in planning, designing, permitting, bidding and construction administration phases of service for Storm Sewer Design, as well as knowledge of current rules and regulations of local, state and federal agencies regulating the environment and all land use and building code provisions, including the Department of Environmental Protection, the South Florida Water Management District, the United States Environmental Protection Agency, the South Florida Building Code and the United States Corps of Engineers. The firm must employ at least one professional engineer, registered with the Florida State Board of Professional Engineers, having training and experience in the area of Storm Sewer.

### **106 Water Distribution, Sewer Collection System, and Force Main**

Requires engineering expertise in planning, designing, permitting, bidding and construction administration phases of service for Water Distribution and Sewer Collection System and Force Main, as well as knowledge of current rules and regulations of local, state and federal agencies regulating the environment and all land use and building code provisions, including the Department of Environmental Protection, the South Florida Water Management District, the United States Environmental Protection Agency, the South Florida Building Code and the United States Corps of Engineers. The firm must employ at least one professional engineer, registered with the Florida State Board of Professional Engineers, having training and experience in the area of gravity and pressure systems.

### **107 Lift and Pump Station Design**

Requires engineering expertise in planning, designing, permitting, bidding and construction administration phases of service for Lift and Pump Station Design, as well as knowledge of current rules and regulations of local, state and federal agencies regulating the environment and all land use and building code provisions, including the Department of Environmental Protection, the South Florida Water Management District, the United States Environmental Protection Agency, the South Florida Building Code and the United States Corps of Engineers. The firm must employ at least one professional engineer, registered with the Florida State Board of Professional Engineers, having training and experience in the area of Lift Station and pump station design.

### **Code   Types of Work**

### **108 Surveying Services**

Requires surveying expertise in the preparation of Boundary, Topographic and Right of Way Surveys and Sketch and Legal Descriptions in conformance with the Florida Minimum Technical Standards. The firm must employ at least one land surveyor, registered with the Florida State Board of Land Surveyors, having at least one year of land surveying experience acting as responsible in charge. The consultant must employ and list sufficient staff to undertake the requirements normally associated with this type of work and must document the availability of proper equipment to perform this work.

### **109 Environmental Analysis of Underground Fuel Storage Tanks**

Requires engineering expertise in planning, designing, permitting, bidding and construction administration phases of service for Environmental Analysis of Underground Fuel Storage Tanks, as well as knowledge of current rules and regulations of local, state and federal agencies regulating the environment and all land use and building code provisions, including the Department of Environmental Protection, the South Florida Water Management District, the United States Environmental Protection Agency, the South Florida Building Code and the United States Corps of Engineers. The firm must employ at least one professional engineer, registered with the Florida State Board of Professional Engineers, having training and experience in the area of Underground and Fuel Storage Tanks.

### **110 Environmental Assessments**

Requires engineering expertise in planning, designing, permitting, bidding and construction administration phases of service for Environmental Assessments, as well as knowledge of current rules and regulations of local, state and federal agencies regulating the environment and all land use and building code provisions, including the Department of Environmental Protection, the South Florida Water Management District, the United States Environmental Protection Agency, the South Florida Building Code and the United States Corps of Engineers. The firm must employ at least one professional engineer,

registered with the Florida State Board of Professional Engineers, having training and experience in the area of Environmental Assessments.

### **111 Community Park**

Requires engineering or architectural expertise in planning, designing, permitting, bidding and construction administration phases of service in connection with the design of community parks, as well as knowledge of current rules and regulations of local, state and federal agencies regulating the environment and all land use and building code provisions, including the Department of Environmental Protection, the South Florida Water Management District, the United States Environmental Protection Agency, the South Florida Building Code and the United States Corps of Engineers. The firm must employ at least one professional engineer, registered with the Florida State Board of Professional Engineers or at least one professional architect, registered with the Florida State Board of Professional Architects and Interior Design, having training and experience in the area of Community Parks.

### **Code Types of Work**

### **112 Landscape Architect**

Requires expertise in planning designing, permitting, bidding and construction administration phases of service for Landscape Architecture. The firm must employ at least one landscape architect, registered with the Florida State Board of Landscape Architecture. Additionally, the firm must employ sufficient personnel to provide services normally associated with this type of work.

### **113 Neighborhood Improvements**

Requires engineering, architectural or landscape architectural expertise in planning, designing, permitting, bidding and construction administration phases of service for various neighborhood improvements, as well as knowledge of current rules and regulations of local, state and federal agencies regulating the environment and all land use and building code provisions. The firm must employ at least one professional engineer, registered with the Florida State Board of Professional Engineers or at least one professional architect, registered with the Florida State Board of Professional Architects and Interior Design or at least one professional Landscape Architect, registered with the Florida State Board of Landscape Architecture, having training and experience in the area of Community Parks.

## **114 Control Systems**

Requires engineering expertise in planning, designing, permitting, bidding and construction administration services in connection with control systems, as well as knowledge of current rules and regulations of local, state and federal agencies including any building code provisions. The firm must employ at least one professional engineer, registered with the Florida State Board of Professional Engineers, having training and experience in the area of Control Systems.

## **115 Mechanical Systems**

Requires engineering expertise in planning, designing, permitting, bidding and construction administration services in connection with mechanical system analysis, as well as knowledge of current rules and regulations of local, state and federal agencies regulating the industry. The firm must employ at least one professional engineer, registered with the Florida State Board of Professional Engineers, having training and experience in the area of Mechanical Systems.

## **116 Electrical Systems**

Requires engineering expertise in planning, designing, permitting, bidding and construction administration services in connection with electrical systems as well as knowledge of current rules and regulations of local, state and federal agencies regulating the industry. The firm must employ at least one professional engineer, registered with the Florida State Board of Professional Engineers, having training and experience in the area of Electrical Systems.

### **Code Types of Work**

## **117 Structural Systems**

Requires engineering expertise in planning, designing, permitting, bidding and construction administration services in connection with structural design, as well as knowledge of current rules and regulations of local, state and federal agencies regulating the industry. The firm must employ at least one professional engineer, registered with the Florida State Board of Professional Engineers, having training and experience in the area of Structural Systems.

## **118 Geo-Technical Analysis**

Requires engineering expertise in connection with Geo-Technical Analysis. The firm must employ at least one professional engineer, registered with the Florida State Board of Professional Engineers having demonstrated experience in the activities normally associated with this work. The consultant must employ and list sufficient staff to undertake the requirements normally associated with this type of work and must document the availability of proper equipment to perform this work.

## **119 Civil Engineering**

Requires engineering expertise in planning, designing, permitting, bidding and construction administration services in connection with Civil Engineering as well as knowledge of current rules and regulations of local, state and federal agencies regulating the industry, including the Department of Environmental Protection, the South Florida Water Management District, the United States Environmental Protection Agency and the United States Corps of Engineers. The firm must employ at least one professional engineer, registered with the Florida State Board of Professional Engineers, having training and experience in this general area.

### **120 Marine Engineering**

Requires engineering expertise in planning, design, permitting, bidding and construction administration services in connection with Waterfront Facilities, including docks, seawalls, dredging activities and permitting as well as knowledge of current rules and regulations of local, state and federal agencies, including the Department of Environmental protection Agency and the United States Corps of Engineers. The firm must employ at least one professional engineer, registered with the Florida State Board of professional Engineers, having training and experience in the area of marine design.

### **121 Golf Course Architect**

Requires expertise in planning designing, permitting, bidding and construction administration phases of service for Golf Course Architecture. The firm must employ at least one individual registered with the American Society of Golf Course Architects. Knowledge of the game of golf, proper training, experience, vision and inherent ability, to design and prepare specifications for a golf course of functional aesthetic perfection. Educational background in one of the following fields is required, Landscape Architecture, Civil Engineering, Golf Course Management, or Environmental Studies.

**End of Types of Work**