

INSTRUCTIONS: This notice shall be completed and submitted by persons proposing to construct projects permitted under the "General Permit for Construction of Water Main Extensions for Public Water Systems" in Rule 62-555.405, F.A.C. AT LEAST 30 DAYS BEFORE BEGINNING CONSTRUCTION OF A WATER MAIN EXTENSION PROJECT, complete and submit one copy of this notice to the appropriate Department of Environmental Protection (DEP) District Office or Approved County Health Department (ACHD) along with payment of the proper permit processing fee. (When completed, Part II of this notice serves as the preliminary design report for a water main extension project, and thus, it is unnecessary to submit a separate preliminary design report or drawings, specifications, and design data with this notice.) All information provided in this notice shall be typed or printed in ink. The permit processing fee for projects requiring the services of a professional engineer during design is \$650, and the permit processing fee for projects <u>not</u> requiring the services of a professional engineer during design is \$500.* Some ACHDs charge a county permit processing fee in addition to the DEP permit processing fee. Checks for permit processing fees shall be made payable to the Department of Environmental Protection or the appropriate ACHD. NOTE THAT A SEPARATE NOTIFICATION AND A SEPARATE PERMIT PROCESSING FEE ARE REQUIRED FOR EACH NON-CONTIGUOUS PROJECT.[†]

- * Except as noted in paragraphs 62-555.520(3)(a) and (b), F.A.C., projects shall be designed under the responsible charge of one or more professional engineers licensed in Florida.
- [†] Non-contiguous projects are projects that are neither interconnected nor located nearby one another (i.e., on the same site, on adjacent streets, or in the same neighborhood).

I. General Project Information

A. Name of Project:

B. Description of Project and Its Purpose:

C. Location of Project

- 1. County Where Project Located: ORANGE
- 2. Description of Project Location:

D. Estimate of Cost to Construct Project:

E. Estimate of Dates for Starting and Completing Construction of Project:

F. Permittee					
PWS/Company Name:	PWS Identification No.:*				
PWS Type:* Community Non-Transient Non-Community	Transient Non-Community Consecutive				
Contact Person:	Contact Person's Title:				
Contact Person's Mailing Address:					
City:	State: Zip Code:				
Contact Person's Telephone Number:	Contact Person's Fax Number:				
Contact Person's E-Mail Address:					
* This information is required only if the permittee is a public water syste	em (PWS).				
G. Public Water System (PWS) Supplying Water to Project					
PWS Name: ORLANDO UTILITIES COMMISSION	PWS Identification No.: 3480962				
PWS Type: Community Non-Transient Non-Community	Transient Non-Community Consecutive				
PWS Owner: ORLANDO UTILITIES COMMISSION					
Contact Person: Charles E. DiGerlando	Contact Person's Title: Manager, Water Engineering				
Contact Person's Mailing Address: P.O. BOX 3193; WATER ENGINEERING					
City: ORLANDO	State: FL Zip Code: 32802				
Contact Person's Telephone Number: 407-434-2563	Contact Person's Fax Number: 407-434-2621				
Contact Person's E-Mail Address: WETS@OUC.COM					

Pı	roject Name: Permittee	:				
H. Public Water System (PWS) that Will Own Project After It Is Placed into Permanent Operation						
	PWS Name: ORLANDO UTILITIES COMMISSION	PWS Id	lentification No.:*	* 3480962		
	PWS Type:* Community Non-Transient Non-Community	Transient Nor	n-Community	Consecutive		
	PWS Owner: ORLANDO UTILITIES COMMISSION					
	Contact Person: Charles E. DiGerlando	Contact Person's	Title: Manager, W	/ater Engineering		
	Contact Person's Mailing Address: P.O. BOX 3193; WATER ENGINEE	RING				
	City: ORLANDO	State: FL	Zip Code	: 32802		
	Contact Person's Telephone Number: 407-434-2563	Contact Person's	Fax Number: 407	-434-2621		
	Contact Person's E-Mail Address: WETS@OUC.COM					
	* This information is required only if the owner/operator is an existing PW	S.				
I.	Professional Engineer(s) or Other Person(s) in Responsible Charge of Desig	gning Project*				
	Company Name:					
	Designer(s):	Title(s) of Design	ner(s):			
	Qualifications of Designer(s):					
	Professional Engineer(s) Licensed in Florida – License Number(s):					
	Public Officer(s) Employed by State, County, Municipal, or Other Governmental Unit of State [†]					
	Plumbing Contractor(s) Licensed in Florida – License Number(s):^					
	Mailing Address of Designer(s):					
	City:	State:	Zip Code	•		
	Telephone Number of Designer(s):	Fax Number of Designer(s):				
	E-Mail Address(es) of Designer(s):	•	¥ :/			
	* Except as noted in paragraphs 62-555.520(3)(a) and (b), F.A.C., projects	s shall be designed	under the respons	tible charge of one		

Attach a detailed construction cost estimate showing that the cost to construct this project is \$10,000 or less.

_II. Preliminary Design Report for Project*

A. Service Area, Water Use, and Service Pressure Information

1. Design Type and Number of Service Connections, and Average Daily Water Demands and Maximum-Day Water Demands, in the Entire Area to Be Served by the Water Mains Being Constructed Under this Project:

·		· ·		
			D = Total Average	
			Daily Water Demand ^a ,	
		C = Average Daily	gpd (Columns BxC for	E = Total Maximum-
	B = Number of Service	Water Demand Per	Residential Service	Day Water Demand ^b ,
A = Type of Service Connection	Connections	Service Connection, gpd	Connections)	gpd
Single-Family Home				
Mobile Home				
Apartment				
Commercial, Institutional, or Industrial Facility ^a				
Total				

 a. Description of Commercial, Institutional, or Industrial Facilities and Explanation of Method(s) Used to Estimate Average Daily Water Demand for These Facilities: <u>Per the "Level of Service Standards" in the City of Orlando Growth</u> Management Plan

b. Explanation of Peaking Factor(s) or Method(s) Used to Estimate Maximum-Day Water Demand:

or more professional engineers licensed in Florida.

[^] Attach documentation showing that this project will be installed by the plumbing contractor(s) designing this project, documentation showing that this project involves a public water system serving a single property and fewer than 250 fixture units, and a detailed construction cost estimate showing that the cost to construct this project is \$50,000 or less.

		EXTENSION TOX T WOS
Pro	ject Name:	Permittee:
2	Systems that U	Peaking Factor(s) or Method(s) Used to Estimate Design Peak-Hour Water Demand and, for Small Water Use Hydropneumatic Tanks or that Are Not Designed to Provide Fire Protection, Peak Instantaneous Water
3	 Design Fire-Fl	ow Rate and Duration:
		e Pressure Range: 20-75 psi
	ALTERED W BLOW-OFFS	nation ITE PLAN OR SKETCH SHOWING THE SIZE AND APPROXIMATE LOCATION OF NEW OR ATER MAINS, SHOWING THE APPROXIMATE LOCATION OF HYDRANTS, VALVES, METERS, AND IN SAID MAINS, AND SHOWING HOW SAID MAINS CONNECT TO THE PUBLIC WATER SYSTEM WATER FOR THE PROJECT.
2	Description of	Any Areas Where New or Altered Water Mains Will Cross Above or Under Surface Water or Be Located in own to Be Aggressive:
a 1		t Compliance with Design and Construction Requirements
1	following requallowed by rul	under this project will conform to applicable American Water Works Association (AWWA) standards. [FAC 62-555.320(21)(b), <i>RSWW</i> 8.0, and AWWA standards as incorporated into FAC 62-555.330; exceptions allowed under FAC 62-555.320(21)(c)] All public water system components, excluding fire hydrants, that will be installed under this project and that will come into contact with drinking water will conform to NSF International Standard 61 as adopted in Rule 62-555.320(3)(b), F.A.C. [FAC 62-555.320(3)(b); exceptions allowed under FAC 62-555.320(3)(d)] All pipe and pipe fittings installed under this project will contain no more than 8.0% lead, and any solder or
	e.	flux used in this project will contain no more than 0.2% lead. [FAC 62-555.322] All pipe and pipe fittings installed under this project will be color coded or marked in accordance with subparagraph 62-555.320(21)(b)3, F.A.C., using blue as a predominant color. (Underground plastic pipe will be solid-wall blue pipe, will have a co-extruded blue external skin, or will be white or black pipe with blue stripes incorporated into, or applied to, the pipe wall; and underground metal or concrete pipe will have blue stripes applied to the pipe wall. Pipe striped during manufacturing of the pipe will have continuous stripes that run parallel to the axis of the pipe, that are located at no greater than 90-degree intervals around the pipe, and that will remain intact during and after installation of the pipe. If tape or paint is used to stripe pipe during installation of the pipe, the tape or paint will be applied in a continuous line that runs parallel to the axis of the pipe and that is located along the top of the pipe; for pipe with an internal diameter of 24 inches or greater, tape or paint will be applied in continuous lines along each side of the pipe as well as along the top of the pipe. Aboveground pipe will be painted blue or will be color coded or marked like underground pipe.) [FAC 62- 555.320(21)(b)3] All new or altered water mains included in this project are sized after a hydraulic analysis based on flow demands and pressure requirements. ATTACH A HYDRAULIC ANALYSIS JUSTIFYING THE SIZE OF
		demands and pressure requirements. ATTACH A HYDRAULIC ANALYSIS JUSTIFYING THE SIZE OF ANY NEW OR ALTERED WATER MAINS WITH AN INSIDE DIAMETER OF LESS THAN THREE INCHES. [FAC 62-555.320(21)(b) and <i>RSWW</i> 8.1]

EXTENSIONS FOR PWSs		
Project Name:		Permittee:
	g.	The inside diameter of new or altered water mains that are included in this project and that are being designed to provide fire protection and serve fire hydrants will be at least six inches. [FAC 62-555.320(21)(b) and RSWW 8.1.2]
	h.	
	i.	This project is being designed to minimize dead-end water mains by making appropriate tie-ins where practical. [FAC 62-555.320(21)(b) and <i>RSWW</i> 8.1.6.a]
	j.	New or altered dead-end water mains included in this project will be provided with a fire or flushing hydrant or blow-off for flushing purposes. [FAC 62-555.320(21)(b) and <i>RSWW</i> 8.1.6.b]
	k.	Sufficient valves will be provided on new or altered water mains included in this project so that inconvenience and sanitary hazards will be minimized during repairs. [FAC 62-555.320(21)(b) and <i>RSWW</i> 8.2]
	1.	New or altered fire hydrant leads included in this project will have an inside diameter of at least six inches and
	m.	
		be located at least three feet from any existing or proposed storm sewer, stormwater force main, pipeline conveying reclaimed water regulated under Part III of Chapter 62-610, F.A.C., or vacuum-type sanitary sewer
		at least six feet from any existing or proposed gravity- or pressure-type sanitary sewer, wastewater force main, or pipeline conveying reclaimed water <u>not</u> regulated under Part III of Chapter 62-10, F.A.C.; and at least ten feet from any existing or proposed "on-site sewage treatment and disposal system." [FAC 62-555.314(4)]
	n.	At high points where air can accumulate in new or altered water mains included in this project, provisions will be made to remove the air by means of air relief valves, and automatic air relief valves will <u>not</u> be used in situations where flooding of the valve manhole or chamber may occur. [FAC 62-555.320(21)(b) and <i>RSWW</i> 8.4.1]
	0.	The open end of the air relief pipe from all automatic air relief valves installed under this project will be extended to at least one foot above grade and will be provided with a screened, downward-facing elbow. [FAC 62-555.320(21)(b) and <i>RSWW</i> 8.4.2]
	p.	New or altered chambers, pits, or manholes that contain valves, blow-offs, meters, or other such water distribution system appurtenances and that are included in this project will <u>not</u> be connected directly to any sanitary or storm sewer, and blow-offs or air relief valves installed under this project will <u>not</u> be connected directly to any sanitary or storm sewer. [FAC 62-555.320(21)(b) and <i>RSWW</i> 8.4.3]
	q.	New or altered water mains included in this project will be installed in accordance with applicable AWWA standards or in accordance with manufacturers' recommended procedures. [FAC 62-555.320(21)(b), <i>RSWW</i> 8.5.1, and AWWA standards as incorporated into FAC 62-555.330]
	r.	A continuous and uniform bedding will be provided in trenches for underground pipe installed under this project; backfill material will be tamped in layers around underground pipe installed under this project and to a sufficient height above the pipe to adequately support and protect the pipe; and unsuitably sized stones (as described in applicable AWWA standards or manufacturers' recommended installation procedures) found in trenches will be removed for a depth of at least six inches below the bottom of underground pipe installed under this project. [FAC 62-555.320(21)(b), <i>RSWW</i> 8.5.2]
	s.	All water main tees, bends, plugs, and hydrants installed under this project will be provided with thrust blocks or restrained joints to prevent movement. [FAC 62-555.320(21)(b) and <i>RSWW</i> 8.5.4]
	t.	New or altered water mains that are included in this project and that will be constructed of asbestos-cement or polyvinyl chloride pipe will be pressure and leakage tested in accordance with AWWA Standard C603 or
		C605, respectively, as incorporated into Rule 62-555.330, F.A.C., and all other new or altered water mains included in this project will be pressure and leakage tested in accordance with AWWA Standard C600 as incorporated into Rule 62-555.330. [FAC 62-555.320(21)(b)1 and AWWA standards as incorporated into FAC 62-555.330]
	u.	New or altered water mains, including fire hydrant leads and including service lines that will be under the control of a public water system and that have an inside diameter of three inches or greater, will be disinfected and bacteriologically evaluated in accordance with Rule 62-555.340, F.A.C. [FAC 62-555.320(21)(b)2 and FAC 62-555.340]
	v.	New or altered water mains that are included in this project and that will be installed in areas where there are known aggressive soil conditions will be protected through use of corrosion-resistant water main materials, through encasement of the water mains in polyethylene, or through provision of cathodic protection. [FAC 62-555.320(21)(b) and <i>RSWW</i> 8.5.7.d]

roject Name:		Permittee:
	w.	New or relocated, underground water mains included in this project will be laid to provide a horizontal
		distance of at least three feet between the outside of the water main and the outside of any existing or propos vacuum-type sanitary sewer, storm sewer, stormwater force main, or pipeline conveying reclaimed water regulated under Part III of Chapter 62-610, F.A.C.; a horizontal distance of at least six feet between the
		outside of the water main and the outside of any existing or proposed gravity-type sanitary sewer (or a
		horizontal distance of at least three feet between the outside of the water main and the outside of any existing or proposed gravity-type sanitary sewer if the bottom of the water main will be laid at least six inches above
		the top of the sewer); a horizontal distance of at least six feet between the outside of the water main and the outside of any existing or proposed pressure-type sanitary sewer, wastewater force main, or pipeline conveying reclaimed water not regulated under Part III of Chapter 62-610, F.A.C.; and a horizontal distance at least ten feet between the outside of the water main and all parts of any existing or proposed "on-site sewa
	x.	treatment and disposal system." [FAC 62-555.314(1); exceptions allowed under FAC 62-555.314(5)] New or relocated, underground water mains that are included in this project and that will cross any existing of
		proposed gravity- or vacuum-type sanitary sewer or storm sewer will be laid so the outside of the water main is at least six inches above the other pipeline or at least 12 inches below the other pipeline; and new or
		relocated, underground water mains that are included in this project and that will cross any existing or proposed pressure-type sanitary sewer, wastewater or stormwater force main, or pipeline conveying reclaimed water will be laid so the outside of the water main is at least 12 inches above or below the other pipeline. [F.
	y.	62-555.314(2); exceptions allowed under FAC 62-555.314(5)] At the utility crossings described in Part II.C.1.w above, one full length of water main pipe will be centered above or below the other pipeline so the water main joints will be as far as possible from the other pipeline of
		the pipes will be arranged so that all water main joints are at least three feet from all joints in vacuum-type sanitary sewers, storm sewers, stormwater force mains, or pipelines conveying reclaimed water regulated under Part III of Chapter 62-610, F.A.C., and at least six feet from all joints in gravity- or pressure-type
		sanitary sewers, wastewater force mains, or pipelines conveying reclaimed water <u>not</u> regulated under Part II of Chapter 62-610, F.A.C. [FAC 62-555.314(2); exceptions allowed under FAC 62-555.314(5)]
	z.	New or altered water mains that are included in this project and that will cross above surface water will be adequately supported and anchored, protected from damage and freezing, and accessible for repair or replacement. [FAC 62-555.320(21)(b) and <i>RSWW</i> 8.7.1]
	aa.	New or altered water mains that are included in this project and that will cross under surface water will have minimum cover of two feet. [FAC 62-555.320(21)(b) and <i>RSWW</i> 8.7.2]
	bb.	New or altered water mains that are included in this project and that will cross under surface water courses greater than 15 feet in width will have flexible or restrained, watertight pipe joints and will include valves a both ends of the water crossing so the underwater main can be isolated for testing and repair; the
		aforementioned isolation valves will be easily accessible and will <u>not</u> be subject to flooding; the isolation valve closest to the water supply source will be in a manhole; and permanent taps will be provided on each
		side of the isolation valve within the manhole to allow for insertion of a small meter to determine leakage fr the underwater main and to allow for sampling of water from the underwater main. [FAC 62-555.320(21)(b) and <i>RSWW</i> 8.7.2]
	cc.	This project is being designed to include proper backflow protection at those new or altered service connections where backflow protection is required or recommended under Rule 62-555.360, F.A.C., or in <i>Recommended Practice for Backflow Prevention and Cross-Connection Control</i> , AWWA Manual M14, as
		incorporated into Rule 62-555.330, F.A.C.; <u>or</u> the public water system that will own this project after it is placed into operation has a cross-connection control program requiring water customers to install proper backflow protection at those service connections where backflow protection is required or recommended
		under Rule 62-555.360, F.A.C., or in AWWA Manual M14. [FAC 62-555.360 and AWWA Manual M14 as incorporation of FAC 62-555.330]
	dd.	Neither steam condensate, cooling water from engine jackets, nor water used in conjunction with heat exchangers will be returned to the new or altered water mains included in this project. [FAC 62-555.320(21)(b)
		<i>RSWW</i> 8.8.2]

NOTICE OF INTENT TO USE THE GENERAL PERMIT FOR CONSTRUCTION OF WATER MAIN EXTENSIONS FOR PWSs Project Name: Permittee:

Project Name:	Permittee:
2. Explanation for Requirements Mark Alternatives as Required by Rule fo	ked "X" in Part II.C.1 Above, Including Justification, Documentation, Assurances, and/or or Exceptions to Requirements in Part II.C.1:

I completed Part II of this notice, and the information provided in Part II and on the attachment(s) to Part II is true and accurate to the best of my knowledge and belief.

Signature, Seal, and Date of Professional Engineer (PE) <u>or</u> Signature and Date of Other Person in Responsible Charge of Designing Project:*	Signature, Seal, and Date of Professional Engineer (PE) <u>or</u> Signature and Date of Other Person in Responsible Charge of Designing Project:*
Printed/Typed Name:	Printed/Typed Name:
License Number of PE or License Number or Title of Other	License Number of PE or License Number or Title of Other
Person in Responsible Charge of Designing Project:*	Person in Responsible Charge of Designing Project:*
Portion of Preliminary Design Report for Which Responsible:	Portion of Preliminary Design Report for Which Responsible:

* Except as noted in paragraphs 62-555.520(3)(a) and (b), F.A.C., projects shall be designed under the responsible charge of one or more PEs licensed in Florida. If this project is being designed under the responsible charge of one or more PEs licensed in Florida, Part II of this notice shall be completed, signed, sealed, and dated by the PE(s) in responsible charge. If this project is <u>not</u> being designed under the responsible charge of one or more PEs licensed in Florida, Part II shall be completed, signed, and dated by the person(s) in responsible charge of designing this project.

Permittee:

Project Name:

III. Certifications A. Certification by Permittee

I am duly authorized to sign this notice on behalf of the permittee identified in Part I.F of this notice. I certify that, to the best of my knowledge and belief, this project complies with Chapter 62-555, F.A.C. I also certify that construction of this project has <u>not</u> begun yet and that, to the best of my knowledge and belief, this project does <u>not</u> include any of the following construction work:

- construction of water mains conveying raw or partially treated drinking water;
- construction of drinking water treatment, pumping, or storage facilities or conflict manholes;
- construction of water mains in areas contaminated by low-molecular-weight petroleum products or organic solvents;
- construction of an interconnection between previously separate public water systems or construction of water mains that create a "new system" as described under subsection 62-555.525(1), F.A.C.; or
- construction of water mains that will remain dry following completion of construction.

(A specific construction permit is required for each project involving any of the above listed construction work.)

I understand that, if this project is designed under the responsible charge of one or more professional engineers (PEs) licensed in Florida, the permittee must retain a Florida-licensed PE to take responsible charge of inspecting construction of this project for the purpose of determining in general if the construction proceeds in compliance with the Department of Environmental Protection construction permit, including the approved preliminary design report, for this project. I understand that the permittee must have complete record drawings prepared for this project. I also understand that the permittee must submit a certification of construction completion to the Department and obtain written approval, or clearance, from the Department before the permittee places this project into operation for any purpose other than disinfection or testing for leaks.

Signature and Date

Printed or Typed Name

Title

B. Certification by PWS Supplying Water to Project

I am duly authorized to sign this notice on behalf of the PWS identified in Part I.G of this notice. I certify that said PWS will supply the water necessary to meet the design water demands for this project. As indicated below, the water treatment plant(s) to which this project will be connected has(have) the capacity necessary to meet the design water demands for this project, and I certify that all other PWS components affected by this project also have the capacity necessary to meet the design water demands for this project. I certify that said PWS is in compliance with applicable planning requirements in Rule 62-555.348, F.A.C.; applicable cross-connection control requirements in Rule 62-555.360, F.A.C.; and to the best of my knowledge and belief, all other applicable rules in Chapters 62-550, 62-555, and 62-699, F.A.C.; furthermore, I certify that, to the best of my knowledge and belief, said PWS's connection to this project will <u>not</u> cause said PWS to be in noncompliance with Chapter 62-550 or 62-555, F.A.C. I also certify that said PWS has reviewed the preliminary design report for this project and that said PWS considers the connection(s) between this project and said PWS acceptable as designed.

- Name(s) of Water Treatment Plant(s) to Which this Project Will Be Connected: <u>Plant Name</u> (Completely Interconnected System)
- Total Permitted Maximum Day Operating Capacity of Plant(s), gpd: 169.65 MGD
- Total Maximum Day Flow at Plant(s) as Recorded on Monthly Operating Reports During Past 12 Months, gpd: 107.388 MGD

	Charles E. DiGerlando	Manager, Water Engineering
Signature and Date	Printed or Typed Name	Title

C. Certification by PWS that Will Own Project After It Is Placed into Permanent Operation

I am duly authorized to sign this notice on behalf of the PWS identified in Part I.H of this notice. I certify that said PWS will own this project after it is placed into permanent operation. I also certify that said PWS has reviewed the preliminary design report for this project and that said PWS considers this project acceptable as designed.

	Charles E. DiGerlando	Manager, Water Engineering
Signature and Date	Printed or Typed Name	Title

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Project Name:
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Permittee:

D. Certification by Professional Engineer(s) in Responsible Charge of Designing Project*

I, the undersigned professional engineer licensed in Florida, am in responsible charge of designing this project. I certify that, to the best of my knowledge and belief, the design of this project complies with Chapter 62-555, F.A.C. I also certify that, to the best of my knowledge and belief, this project is <u>not</u> being designed to include any of the following construction work:

- construction of water mains conveying raw or partially treated drinking water;
- construction of drinking water treatment, pumping, or storage facilities or conflict manholes;
- construction of water mains in areas contaminated by low-molecular-weight petroleum products or organic solvents;
- construction of an interconnection between previously separate public water systems or construction of water mains that create a "new system" as described under subsection 62-555.525(1), F.A.C.; or
- construction of water mains that will remain dry following completion of construction.

(A specific construction permit is required for each project involving any of the above listed construction work.)

Signature, Seal, and Date:	Signature, Seal, and Date:
Printed/Typed Name:	Printed/Typed Name:
License Number:	License Number:
Portion of Preliminary Design Report for Which Responsible:	Portion of Preliminary Design Report for Which Responsible:

* Except as noted in paragraphs 62-555.520(3)(a) and (b), F.A.C., projects shall be designed under the responsible charge of one or more professional engineers (PEs) licensed in Florida. If this project is being designed under the responsible charge of one or more PEs licensed in Florida, Part III.D of this notice shall be completed by the PE(s) in responsible charge. If this project is <u>not</u> being designed under the responsible charge of one or more PEs licensed in Florida, Part III.D does <u>not</u> have to be completed.