

Application Request for Water and Sewer Modeling Services

General Project Information

Name: _____ Date: _____

Address/Location

ParID: _____ Lot#: _____ Unit: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Phone#: _____ Email: _____

Name/Location of Project: _____

Number of Units/Lots: _____

Has the appropriate Planning Department been contacted about this project? Yes ☐ No ☐

If yes, person contacted? _____

Each scenario completed by MCPW & GIS requires the \$200 modeling services fee. How many scenarios is your organization requesting at this time?

Water Modeling Scenarios: _____

Sewer Modeling Scenarios: _____

MCPW will provide a report for design and permitting.

NOTE: If using MCPWD analysis, Brian Patnode, PE, Public Works Director, or the County Engineer needs to be notified.

Water Model Information

1. Has the fire marshal / chief been contacted by your organization to obtain the recommended fire flow for a two (2) hour fire? Yes ☐ No ☐

If yes, what was the recommended fire flow for a two (2) hour fire? _____ gpm

Suggested by: _____ Date: _____

2. What are the materials being used for the structure?

Brick ☐ Vinyl Siding ☐ Wood Composite ☐

Stucco ☐ Other: _____

3. What is the maximum height of proposed structures? _____ ft.

4. Do you plan to have a fire sprinkler system? Yes ☐ No ☐

If yes, do you know the needed flow/psi required? Yes ☐ No ☐

If yes, please provide: _____ gpm _____ psi

5. What is the square footage of proposed structures?

Minimum _____ sq. ft. Maximum _____ sq. ft.

6. What is the space between proposed structures?

Minimum _____ ft. Maximum _____ ft

Anticipated Water demand without fire _____ gpm

7. Has your organization submitted a water layout map complete with pipe diameters and hydrant locations to MCPW? Yes ☐ No ☐

If yes, date submitted: _____

8. Has your organization provided the demands needed with calculations (domestic demand and sprinkler demand) for MCPW to analyze the water system's capabilities using their in-house water model?

Yes ☐ No ☐

NOTE: Please provide full calculations to Brian Patnode, PE, Public Works Director, or the County Engineer.

Provide the demand needed for domestic and sprinkler with simple calculations below.

Domestic demand: _____ gpd

calculation: _____

Sprinkler demand: _____ gpd

calculation: _____

Sewer Model Information

1. Has your organization submitted a sewer layout map complete with pipe diameters, manholes and lift station locations to MCPW? Yes ☐ No ☐

If yes, date submitted: _____

2. Has your organization provided the proposed sewer flow with calculations for MCPW to analyze the sewer system's capabilities using their in-house sewer model?

Yes ☐ No ☐

NOTE: Please provide full calculations to Brian Patnode, PE, Public Works Director, or the County Engineer.

Provide the proposed sewer flow with simple calculations below.

Sewer flow: _____ gpd

calculation: _____

Submitted by: _____ Date: _____

Office Use Only

Application Received By: _____ Amount Paid: _____

Date Received: _____ Date Modeling Fee Paid: _____

Date for Water/Sewer Modeling: _____