

**APPLICATION FOR PUBLIC UTILITIES
FROM CITY OF HARRISONBURG, VIRGINIA
TO FACILITIES LOCATED IN ROCKINGHAM COUNTY**

I. GENERAL INFORMATION

(By Applicant)

Name of Applicant: Slavic Christian Church
Address of Applicant: 10968 Port Republic Road, Harrisonburg, VA 22801
Telephone of Applicant: 540-433-5624
Service Location ID: TM 108-A-L79
Service Location Address: Erickson Avenue, Harrisonburg, VA
Type of Utility Requested: Water Sewer
Type of Utility Use: Residential Commercial Industrial Institutional
 Agriculture Other: Church
Rockingham County Approval: Attachment _____

II. UTILITY INFORMATION

(By City)

- A. Average Daily Usage:
_____ Equivalent Residential Connections * 260 *gpd* / E.R.C. = _____ *gpd*
Other Calculations: _____

Specific Data (describe): Approved Preliminary Engineering Report prepared by Balzer & Associates, dated March 22, 2017.
- B. Peak Daily Usage
AWWA Fixture Units is Equivalent to _____ *gpm*
Average Daily Demand * Peak Factor of _____ = _____ *gpm*
Specific Data describe): _____

- C. Fire Flow Demand
Requirement _____ *gpm*
Describe needs assessment: _____

III. UTILITY ASSESSMENT COMMENTS

(By Director)

A. System Zone for Water

Zone ID: 1st Low

Zone Transfer & Storage Issues for Daily Demand: CITY EVALUATED THE IMPACT OF ADDING THE HIGH NODES TO THE SYSTEM. NO SIGNIFICANT NEGATIVE IMPACT HAS OBSERVED. SEE ATTACHED REPORT.

Site Specific Delivery and Pressure Issues for Peak Demand: NONE

Fire Flow Demand: NONE. FLOW IS LIMITED, BUT ADEQUATE FOR THE CALCULATED DEMAND.

Other Issues: _____

B. System for Sanitary Sewer

Collection System Comments: N/A COUNTY SEWER

Interceptor System Comments: N/A

Treatment System Comments: N/A

Note: Comments may include the need for engineering evaluations that shall be completed prior to final evaluation of this application.

IV. RECOMMENDATION

- Recommendation for Approval
- Recommendation for Approval Subject to the Applicant Completing the following:

Forward to Planning Commission

Forward to City Council

Signature of Applicant

Date

05-30-2017

Signature of Director of Public Utilities

Date

Mike Coe

June 8, 2017

**Request for Review of Availability for Water and/or Sewer
To Land Located in Rockingham County**

City of Harrisonburg Code of Ordinances Section 7-2-4 requires that Rockingham County (the County) acknowledge that an Applicant (as defined in such ordinance) has requested public utility service from the City of Harrisonburg (the City) for property located in the County. By signatures of the Applicant, and authorized representatives of the City and the County, the City will begin to evaluate the City's ability to provide the requested services.

APPLICANT

The signature of the Applicant is an official request to obtain City utility services and acknowledgement that Applicant has reviewed the conditions of City Code of Ordinance Section 7-2-4 (see Page 2), including the requirement to submit certain documents incidental to this application.

Services Requested:

SEWER () WATER (X)

Signature

05.30.2017

Date

CITY OF HARRISONBURG

The signature of the City's Director of Public Utilities acknowledges the Applicant's request for utility services from the City. The signature does not constitute approval of services, but the City's intent to review the request and evaluate the City's ability to provide the requested services. The City will provide to the County a statement regarding the availability of requested services and the City's intent to provide such services subject to approval by the County.



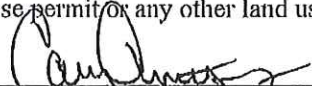
Director of Public Utilities

6.5.17

Date

COUNTY OF ROCKINGHAM

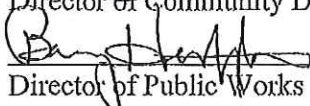
The signatures of the County Officials below acknowledge the Applicant's intent to use utility services of the City instead of the County. These signatures shall not imply approval by the County of the provision of said services by the City. Final approval is contingent upon the Board of Supervisors' consent pursuant to Virginia Code, Section 15.2-2143. This acknowledgement in no way implies or constitutes approval of any rezoning, special use permit or any other land use related request that requires Board or administrative approval.



Director of Community Development

5/31/2017

Date



Director of Public Works

5/31/2017

Date

Comments: _____

APPLICATION FOR PUBLIC UTILITIES FROM CITY OF HARRISONBURG, VA
TO FACILITIES LOCATED IN ROCKINGHAM COUNTY
AUTHORIZATION OF REVIEW

City Code of Ordinance Section 7-2-4(e) states, "The Director may charge a reasonable fee to cover time and expenses of processing the application". The following policy shall be used to distribute the expenses incurred by the Department of Public Utilities.

1. **Initial Review:** There shall be no charge to execute the "Application and Acknowledgement" form used to initiate the review process by City and County officials. There shall be no charge to provide the first response to the "Application for Public Utilities From City of Harrisonburg, Virginia to Facilities Located in Rockingham County: Code of Ordinance 7-2-4". It should be recognized that the first response may be a letter of recommendation for approval or disapproval, or, it may provide stipulations for additional information or engineering evaluation.
2. **Continued Review:** Under circumstances progressing beyond the initial review, the Department shall invoice the applicant for specific cost as incurred. Upon request, the Department may provide a non-binding estimate for the applicant to consider. The costs shall include, but are not limited to: processing, consulting and support as applied directly to the management of the application.

"Processing costs" - shall only include the time of the "application officer" to handle, coordinate, evaluate, review and manage the process until the application has been closed; unit billing rate shall be \$28.55/hour.

"Consulting costs" - shall refer to contracted, or in-house, hydraulic modeling performed to evaluate the water or sewer system impact. Contracted cost shall be forwarded at invoice costs. In house engineering rate shall be at \$34.55/hour.

"Support costs" - shall refer to the collection of information by field technicians billed at the rate accepted to # person crew used.

I hereby acknowledge that I may be charged according to the above policy.

Slavic Christian Church
Name

5-30-2017
Date

10968 Port Republic Road
P.O. Box; Street #

Harrisonburg, VA 22801
City, State, Zip

**ORDINANCE AMENDING AND RE-ENACTING SECTION 7-2-4
OF THE CODE OF ORDINANCES
CITY OF HARRISONBURG, VIRGINIA**

BE IT ORDAINED BY THE COUNCIL OF THE CITY OF HARRISONBURG, VIRGINIA:

That Section 7-2-4 be repealed and replaced by the following provisions:

(a) The owner or his agent (the Applicant of a parcel of land located outside the corporate limits or the City of Harrisonburg may apply to the Director of Public Utilities of Harrisonburg (the Director) for permission to connect to the City's potable water or sanitary sewer systems. Prior to applying for approval from the City, the Applicant shall obtain acknowledgement from the County of Rockingham of his request for City utility services. Such acknowledgement may take whatever form is acceptable to both the County and the Director, and need not commit the County to final approval. Such acknowledgement by the County shall be submitted with the application to the City. For new water connections, the application shall include (i) the estimated average daily demand, (ii) peak instantaneous demand, and (iii) fire flow demands.

(b) Where the intended use of the Applicant's land is residential involving fewer than ten units, the Director shall either approve or reject the application. Where there is any other intended use the Director shall forward the application to the Planning Commission for its recommendation. After consideration by the Commission, the application shall be forwarded to City Council, with the recommendations of both the Commission and Director for final approval or rejection.

(c) Prior to acting on the application, the Director may require that the Applicant submit appropriate engineering reports or studies that demonstrate the anticipated impact on the City's water or sanitary sewer system along with any recommendations for changes or additions to the City's infrastructure indicated because of the proposed new connections. All engineering studies and reports shall be paid for by the Applicant.

(d) All infrastructure, whether it be an extension to a main, or a new service line or lateral, shall be installed in accordance with the City's Design and Construction Standards Manual at the Applicant's expense. Once installed by the Applicant and accepted by the Director, water lines up to the meter and sanitary sewer lines up to the laterals shall be the property of the City. The Applicant shall provide all reasonably required easements, at the Applicant's expense.

(e) The Director may charge a reasonable fee to cover time and expenses of processing the application.

(f) The "main" is a water or sanitary sewer line that serves more than one customer. A "service line" is a water line proceeding from a main that serves one customer. A "lateral" is a sanitary sewer line proceeding from a main that serves one customer.

Slavic Church Development Impact to Fire Flow

May 17, 2017

The Harrisonburg Public Utilities Department was concerned that adding new hydrants at the Slavic Church would create a new sensitive node in the 1st Low pressure zone which would limit available flows in surrounding areas. Accordingly, the City's computerized hydraulic model was utilized to evaluate the impact of adding the new connections.

Two hydrants were added at the Slavic Church at elevations of 1,400 and 1,402 per the preliminary engineering plan. The engineer's calculations indicate that these hydrants are capable to deliver 1,000 gpm at 28 psi to meet the local site requirements.

The hydrants on each side of the proposed connection were evaluated both with and without the Slavic Church connection. The first existing hydrant in the model is BEL-K (118 H). This hydrant has an elevation of 1,351. Without the Slavic Church connection, this hydrant has a calculated maximum capacity of 1,743 gpm, pulling the residual pressure to 20 psi. The Slavic connection is at an elevation of 1,402 meaning that hydrant 118 H must maintain a residual pressure of not less than 42 psi to maintain 20 psi at the Slavic Church. This increased requirement reduces the available flow at 118 H to approximately 1,400 gpm.

Similarly, hydrant BEL-AA (118 B) on the south side of the proposed connection was evaluated. This hydrant has an elevation of 1,362 and a maximum capacity of 1,770 gpm without the Slavic Church connection. Protecting the 1,402 elevation of the Slavic Church, hydrant 118 B must maintain a residual pressure of 37 psi, which limits the available flow at 118 B to approximately 1,540 gpm.

In conclusion, the addition of the Slavic Church connection does pose a limitation to the existing system, but the reduced flows are still above the 1,000 gpm minimum target for single family residential neighborhoods. Looking to the future, a new waterline in Erickson Avenue to complete a loop to Rawley Pike would improve the flows through the area. This concept has been discussed previously, but is not currently funded or scheduled.

DAG


CITY OF HARRISONBURG
PUBLIC UTILITIES DEPARTMENT
PRELIMINARY ENGINEERING REPORT
ACCEPTANCE

To: City Engineer
From: Department of Public Utilities
Date: May 17, 2017

Project: Slavic Christian Church -- Erickson Ave.
PER prepared by: Balzer and Assoc. -- William Moore
Dated: March 22, 2017

(X) The Preliminary Engineering Report (PER) for the above-listed project is hereby accepted by the Public Utilities Department, and the complete site plan may be submitted to Community Development for review. This acceptance is for water and sanitary sewer availability only; it is not intended for construction plan reviews.

() A PER is not required for this project.

 5.17.17
Authorized Signature Title Date

Miss Utility locations are approximate only. Where construction is being proposed near existing City water and/or sanitary sewer utilities we recommend vertical and horizontal field verifications of these items prior to site plan submittals. Field verification excavations can be performed by Developer or City Forces upon execution of an AGREEMENT TO PERFORM WORK AT COST and scheduling availability. City Forces will not be held responsible for any location data gathered or conveyed. Location data must be obtained by Developer.

IGIS Query Results:
1 matches; displaying 1 - 1

[Export Results to CSV](#)
[Export Results to KML](#)

Query Variables:

TaxMapNumb Begins With 108-(A)- L79

LAYER: Parcels

Parcels

Click selected property on the map to bring up property card & results

Parcel ID:

[108-\(A\)-L79](#)

Owner Name:

CHURCH-SLAVIC CHRISTIAN CHURCH OF HARRISONBURG

Resident Address:

10968 PORT REPUBLIC RD

911 Address:

End of results

