OHIO PUBLIC WORKS FOR YOU

State of Ohio

Public Works Commission

Application for Financial Assistance

IMPORTANT: Please consult "Instructions for Financial Assistance for Capital Infrastructure Projects" for guidance in completion of this form.

Applicant

Applicant: Village of Oak Harbor Subdivision Code: 123-57582

District Number: 5 County: Ottawa Date: 08/26/2019

Contact: Randall Genzman, Village Administrator Phone: (419) 898-5561
(The individual who will be available during business hours and who can best answer or coordinate the response to questions)

Email: randyg@oakharbor.oh.us FAX: (419) 898-2519

Project

Project Name: Main Street Elevated Storage Tank Zip Code: 43449

Subdivision Type

(Select one)

- ☐ 1. County
- ☐ 2. City
- ☐ 3. Township
- ☒ 4. Village
- ☐ 5. Water (6119 Water District)

Project Type

(Select single largest component by $)

- ☐ 1. Road
- ☐ 2. Bridge/Culvert
- ☒ 3. Water Supply
- ☐ 4. Wastewater
- ☐ 5. Solid Waste
- ☐ 6. Stormwater

Funding Request Summary

(Automatically populates from page 2)

Total Project Cost:	999,628 .00
1. Grant:	325,000 .00
2. Loan:	162,500 .00
3. Loan Assistance/ Credit Enhancement:	0 .00
Funding Requested:	487,500 .00

District Recommendation (To be completed by the District Committee)

Funding Type Requested

(Select one)

- ☐ State Capital Improvement Program
- ☐ Local Transportation Improvement Program
- ☐ Revolving Loan Program
- ☐ Small Government Program

District SG Priority: _____

SCIP Loan - Rate: ___ % Term: ___ Yrs	Amount:	.00
RLP Loan - Rate: ___ % Term: ___ Yrs	Amount:	.00
Grant:	Amount:	.00
LTIP:	Amount:	.00
Loan Assistance / Credit Enhancement:	Amount:	.00

For OPWC Use Only

STATUS

Project Number: _____

_____

Release Date: _____

OPWC Approval: _____

Grant Amount: _____.00

Loan Amount: _____.00

Total Funding: _____.00

Local Participation: _____ %

OPWC Participation: _____ %

Loan Type: ☐ SCIP ☐ RLP

Date Construction End: _____

Date Maturity: _____

Rate: _____ %

Term: _____ Yrs

1.0 Project Financial Information (All Costs Rounded to Nearest Dollar)

1.1 Project Estimated Costs

Engineering Services

Preliminary Design:	1,200 .00		
Final Design:	59,000 .00		
Construction Administration:	42,300 .00		
Total Engineering Services:	a.)	102,500 .00	13 %
Right of Way:	b.)	0 .00	
Construction:	c.)	811,025 .00	
Materials Purchased Directly:	d.)	.00	
Permits, Advertising, Legal:	e.)	5,000 .00	
Construction Contingencies:	f.)	81,103 .00	10 %
Total Estimated Costs:	g.)	999,628 .00	

1.2 Project Financial Resources

Local Resources

Local In-Kind or Force Account:	a.)	.00	
Local Revenues:	b.)	.00	
Other Public Revenues:	c.)	512,128 .00	
ODOT / FHWA PID:	d.)	.00	
USDA Rural Development:	e.)	.00	
OEPA / OWDA:	f.)	.00	
CDBG: ☐ County Entitlement or Community Dev. "Formula" ☐ Department of Development	g.)	.00	
Other:	h.)	.00	
Subtotal Local Resources:	i.)	512,128 .00	51 %

OPWC Funds (Check all requested and enter Amount)

Grant: 67 % of OPWC Funds	j.)	325,000 .00	
Loan: 33 % of OPWC Funds	k.)	162,500 .00	
Loan Assistance / Credit Enhancement:	l.)	0 .00	
Subtotal OPWC Funds:	m.)	487,500 .00	49 %
Total Financial Resources:	n.)	999,628 .00	100 %

1.3 Availability of Local Funds

Attach a statement signed by the Chief Financial Officer listed in section 5.2 certifying all local resources required for the project will be available on or before the earliest date listed in the Project Schedule section. The OPWC Agreement will not be released until the local resources are certified. Failure to meet local share may result in termination of the project. Applicant needs to provide written confirmation for funds coming from other funding sources.

2.0 Repair / Replacement or New / Expansion

2.1 Total Portion of Project Repair / Replacement:	999,628 .00	100 %	A Farmland Preservation letter is required for any impact to farmland
2.2 Total Portion of Project New / Expansion:	0 .00	0 %	
2.3 Total Project:	999,628 .00	100 %	

3.0 Project Schedule

3.1 Engineering / Design / Right of Way	Begin Date: 01/01/2020	End Date: 06/01/2020
3.2 Bid Advertisement and Award	Begin Date: 06/01/2020	End Date: 07/01/2020
3.3 Construction	Begin Date: 07/01/2020	End Date: 07/01/2021

Construction cannot begin prior to release of executed Project Agreement and issuance of Notice to Proceed.

Failure to meet project schedule may result in termination of agreement for approved projects. Modification of dates must be requested in writing by project official of record and approved by the Commission once the Project Agreement has been executed.

4.0 Project Information

If the project is multi-jurisdictional, information must be consolidated in this section.

4.1 Useful Life / Cost Estimate / Age of Infrastructure

Project Useful Life: 40 Years Age: 1939 (Year built or year of last major improvement)

Attach Registered Professional Engineer's statement, with seal or stamp and signature confirming the project's useful life indicated above and detailed cost estimate.

4.2 User Information

Road or Bridge: Current ADT _____ Year _____ Projected ADT _____ Year _____

Water / Wastewater: Based on monthly usage of 4,500 gallons per household; attach current ordinances.

Residential Water Rate Current $ 21.00 Proposed $ _____

Number of households served: 1,877

Residential Wastewater Rate Current $ 60.30 Proposed $ _____

Number of households served: 1,877

Stormwater: Number of households served: 0

4.3 Project Description

A: SPECIFIC LOCATION (Supply a written location description that includes the project termini; a map does not replace this requirement.) 500 character limit.

The proposed project is located corner of Center Street and West Main Street in the Village of Oak Harbor, Ohio.

B: PROJECT COMPONENTS (Describe the specific work to be completed; the engineer's estimate does not replace this requirement) 1,000 character limit.

The construction of a new 300,000 gallon replacement tank will reduce the maintenance costs, increase the reliability to provide fire protection and system pressure to the Village. It will be located in the same location as the existing 100,000 gallon tank.

C: PHYSICAL DIMENSIONS (Describe the physical dimensions of the existing facility and the proposed facility. Include length, width, quantity and sizes, mgd capacity, etc in detail.) 500 character limit.

1 LS 300,000 Gallon Elevated Tank, Installed Complete
25 LF 12" Water Main, Installed Complete
1 EA 12" Gate Valve and Valve Box, Installed Complete
1 EA Fire Hydrant, Installed Complete
1 LS Tank Demolition and Removal
1 LS Remove and Replace Fence
1 LS Preconstruction Video
1 LS Construction Staking Allowance
1 LS Telemetry Allowance
1 LS Restoration

5.0 Project Officials

Changes in Project Officials must be submitted in writing from an officer of record.

5.1 Chief Executive Officer

(Person authorized in legislation to sign project agreements)

Name: Randall Genzman
Title: Village Administrator
Address: 146 Church Street
P.O. Box 232
City: Oak Harbor State: OH Zip: 43449
Phone: (419) 898-5561
FAX: (419) 898-2519
E-Mail: randyg@oakharbor.oh.us

5.2 Chief Financial Officer

(Can not also serve as CEO)

Name: Amy Drummer
Title: Fiscal Officer
Address: 146 Church Street
P.O. Box 232
City: Oak Harbor State: OH Zip: 43449
Phone: (419) 898-5561
FAX: (419) 898-2519
E-Mail: adrummer@oakharbor.oh.us

5.3 Project Manager

Name: Randall Genzman
Title: Village Administrator
Address: 146 Church Street
P.O. Box 232
City: Oak Harbor State: OH Zip: 43449
Phone: (419) 898-5561
FAX: (419) 898-2519
E-Mail: randyg@oakharbor.oh.us

6.0 Attachments / Completeness review

Confirm in the boxes below that each item listed is attached (Check each box)

☑ A certified copy of the legislation by the governing body of the applicant authorizing a designated official to sign and submit this application and execute contracts. This individual should sign under 7.0, Applicant Certification, below.

☑ A certification signed by the applicant's chief financial officer stating the amount of all local share funds required for the project will be available on or before the dates listed in the Project Schedule section. If the application involves a request for loan (RLP or SCIP), a certification signed by the CFO which identifies a specific revenue source for repaying the loan also must be attached. Both certifications can be accomplished in the same letter.

☑ A registered professional engineer's detailed cost estimate and useful life statement, as required in 164-1-13, 164-1-14, and 164-1-16 of the Ohio Administrative Code. Estimates shall contain an engineer's seal or stamp and signature.

☐ A cooperative agreement (if the project involves more than one subdivision or district) which identifies the fiscal and administrative responsibilities of each participant.

☐ Farmland Preservation Review - The Governor's Executive Order 98-IIV, "Ohio Farmland Protection Policy" requires the Commission to establish guidelines on how it will take protection of productive agricultural and grazing land into account in its funding decision making process. Please include a Farm Land Preservation statement for projects that have an impact on farmland.

☐ Capital Improvements Report. CIR Required by O.R.C. Chapter 164.06 on standard form.

☑ Supporting Documentation: Materials such as additional project description, photographs, economic impact (temporary and/or full time jobs likely to be created as a result of the project), accident reports, impact on school zones, and other information to assist your district committee in ranking your project. Be sure to include supplements which may be required by your local District Public Works Integrating Committee.

7.0 Applicant Certification

The undersigned certifies: (1) he/she is legally authorized to request and accept financial assistance from the Ohio Public Works Commission as identified in the attached legislation; (2) to the best of his/her knowledge and belief, all representations that are part of this application are true and correct; (3) all official documents and commitments of the applicant that are part of this application have been duly authorized by the governing body of the applicant; and, (4) should the requested financial assistance be provided, that in the execution of this project, the applicant will comply with all assurances required by Ohio Law, including those involving Buy Ohio and prevailing wages.

Applicant certifies that physical construction on the project as defined in the application has NOT begun, and will not begin until a Project Agreement for this project has been executed with the Ohio Public Works Commission. Action to the contrary will result in termination of the agreement and withdrawal of Ohio Public Works Commission funding from the project.

Randall Genzman, Village Administrator

Certifying Representative (Printed form, Type or Print Name and Title)

Randall L. Genzman

Original Signature / Date Signed

RESOLUTION 10 - 2019

RESOLUTION AUTHORIZING THE VILLAGE ADMINISTRATOR OF OAK HARBOR TO APPLY FOR VARIOUS OHIO PUBLIC WORKS COMMISSION GRANTS FOR THE PARK STREET IMPROVEMENT PROJECT AND THE MAIN STREET WATER TOWER REHABILITATION PROJECT

WHEREAS, the Village of Oak Harbor seeks to make improvements to Park Street and its infrastructure and to make improvements to the Main Street Water Tower; and

WHEREAS, in order to fund those projects and improvements, the Village of Oak Harbor intends to apply for Ohio Public Works Commission grants and loans; and

NOW THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE VILLAGE OF OAK HARBOR, OHIO:

SECTION 1. That the administrator of the Village of Oak Harbor is hereby authorized to apply for Ohio Public Works Commission grants and loans, sign all documents for application for said grants and loans and enter into any agreements required for the grants and loans for the Park Street Improvement Project and the Main Street Water Tower Project on behalf of the Village of Oak Harbor, Ohio; and

SECTION 2. It is hereby found and determined that all formal actions of this Council regarding and relating to the passage of this Resolution were adopted in an open meeting of this Council and that all deliberations of this Council and any of its committees that resulted in such formal actions were in meetings open to the public in compliance with all legal requirements, including Section 121.22 of the Ohio Revised Code.

Passed: Aug 19

Mayor

Approved: August 19, 2019

Fiscal Officer

Passed: August 19, 2019

I, Amy E. Drummer, Fiscal Officer and Clerk of Council for the Village of Oak Harbor, hereby certify that the foregoing is a true and accurate copy of Resolution 10-2019 duly passed by the Council for the Village of Oak Harbor at our Regular Council Meeting on August 19, 2019.

Amy E. Drummer, Fiscal Officer

RESOLUTION 12 - 2019

A RESOLUTION DECLARING THE OFFICIAL INTENT AND REASONABLE EXPECTATION OF THE VILLAGE OF OAK HARBOR ON BEHALF OF THE STATE OF OHIO (THE BORROWER) TO REIMBURSE ITS WATER FUND FOR THE MAIN STREET WATER TOWER PROJECT, WITH THE PROCEEDS OF TAX EXEMPT DEBT OF THE STATE OF OHIO AND DECLARING AN EMERGENCY.

BE IT RESOLVED by the Village of Oak Harbor on behalf of the State of Ohio that:

Section 1. The Village of Oak Harbor reasonably expects to receive a reimbursement for the project named Main Street Water Tower Project as set forth in Appendix A of the Project Agreement with the proceeds of bonds to be issued by the State of Ohio.

Section 2. The maximum aggregate principal amount of bonds, other than for costs of issuance, expected to be issued by the State of Ohio for reimbursement to the local subdivision is $499,813.75.

Section 3. The Clerk of the Village of Oak Harbor is hereby directed to file a copy of this Resolution with the Village Council for the inspection and examination of all persons interested therein and to deliver a copy of this Resolution to the Ohio Public Works Commission.

Section 4. The Village Council finds and determines that all formal actions of this Village concerning and relating to the adoption of this Resolution were taken in an open meeting of the Oak Harbor Village Council and that all deliberations of this Village and any of its committees that resulted in those formal actions were in meetings open to the public, in compliance with all legal requirements.

Section 5. This Resolution shall be in full force and effect from and immediately upon its adoption.

Upon roll call on the adoption of the resolution, the vote was as follows:

Resolution adopted: August 19, 2019

The foregoing is a true and correct excerpt from the minutes of the meeting on August 19, 2019 of the Village of Oak Harbor of Ottawa showing the adoption of the resolution hereinabove set forth.

Clerk, Amy E. Drummond
Fiscal Officer

VILLAGE OF OAK HARBOR

146 Church Street
P.O. Box 232
OAK HARBOR, OHIO 43449-0232
(419) 898-5561
Fax (419) 898-2519

www.oakharbor.oh.us

Quinton Babcock
Mayor

Randall L. Genzman
Administrator

CHIEF FINANCIAL OFFICER'S CERTIFICATION OF LOCAL FUNDS/LOAN REPAYMENT LETTER

September 5, 2019

I, Amy E. Drummer, Fiscal Officer of the Village of Oak Harbor, hereby certify that the Village of Oak Harbor will have the amount of $512,128 in the Water Fund and that this amount will be used to pay the local share for the Main Street Water Tower Project when it is required.

Amy E. Drummer
Fiscal Officer
Village of Oak Harbor
September 5, 2019

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Quinton Babcock
Mayor

Randall L. Genzman
Administrator

FISCAL OFFICER'S CERTIFICATION OF LOAN REPAYMENT LETTER

I, Amy E. Drummer, Fiscal Officer of the Village of Oak Harbor, hereby certify that the Village of Oak Harbor will collect the amount of $162,500 in the Water Fund and that this amount will be used to repay the SCIP or RLP loan request for the Main Street Water Tower Project over a 20 year period.

Amy E. Drummer
Fiscal Officer
Village of Oak Harbor
September 3, 2019

Poggemeyer Design Group, Inc.
Proposed Main Street Elevated Storage Tank
Oak Harbor, Ohio
29-Jul-19

Description	Probable Quantity	Unit	Unit Cost	Total Cost
300,000 Gallon Elevated Tank, Installed Complete	1	L.S.	$ 750,000.00	$ 750,000.00
12" Water Main, Installed Complete	25	L.F.	$ 85.00	$ 2,125.00
12" Gate Valve and Valve Box, Installed Co	1	Each	$ 2,400.00	$ 2,400.00
Fire Hydrant, Installed Complete	1	Each	$ 4,500.00	$ 4,500.00
Tank Demolition and Removal	1	LS	$ 35,000.00	$ 35,000.00
Remove and Replace Fence	1	L.S.	$ 5,000.00	$ 5,000.00
Preconstruction Video	1	L.S.	$ 500.00	$ 500.00
Construction Staking Allowance	1	L.S.	$ 1,500.00	$ 1,500.00
Telemetry Allowance	1	L.S.		$ 0.00
Restoration	1	L.S.	$ 5,000.00	$ 5,000.00
Mobilization/Demobilization	1	L.S.	$ 2,500.00	$ 2,500.00
Bonds and Insurance	1	L.S.	$ 2,500.00	$ 2,500.00
Subtotal Probable Construction Cost				$811,025.00
Contingency				$81,103.00
Total Probable Construction Cost				$892,128.00
Technical Services:				
Topographic Survey				$1,200.00
Final Engineering				$52,500.00
Bidding				$6,500.00
Construction Eng./Adm.				$14,500.00
Construction Observation				$7,800.00
Subtotal Technical Services				$82,500.00
Other Expenses:				
Advertising, Legal, etc.				$5,000.00
Inspection (Speciality Tank)				$20,000.00
Subtotal Other				$25,000.00
Total Preliminary Probable Project Costs				$999,628.00

The probable weighted useful life of the Elevated Storage Tank project is 40 years

Denise Plummer

Denise M. Plummer, P.E.,

STATE OF OHIO
DENISE M. PLUMMER
E-66629
REGISTERED PROFESSIONAL ENGINEER

Note: This estimate does not include interest during construction, finance fees, bond counsel, assessment fees, bond insurance, or other miscellaneous expenses which can add up to 5% to 10% of the total cost once actual financing sources are finalized.

VILLAGE OF OAK HARBOR
MAIN STREET ELEVATED STORAGE TANK
PROJECT NARRATIVE

The Village of Oak Harbor is located in Ottawa County, Ohio. The Village owns, operates and maintains the potable water system that serves the Village of Oak Harbor.

The proposed improvement includes the construction of a new 300,000 gallon elevated water storage tank to replace the existing tank.

The purpose of the project is to correct deficiencies in the existing water distribution system. The project includes the replacement of an old 100,000 gallon elevated water tank that has exceeded its useful life. The Main Street elevated tank is a torus bottom multi-column tank. Pittsburg Tank and Tower Company erected it in 1939. It has four legs, associated spider rods and a four foot diameter riser into the bowl. It is approximately 125 feet tall. The existing tank is more than 80 years old and is in very poor condition. This is one of the oldest functioning tanks in Ohio.

According to the 2012 maintenance inspection provided by Nelson Tank Engineering & Consulting, Inc. the tank required extensive rehabilitation to ensure the structural integrity of the tank. The cost to correct the structural tank deficiencies and safety upgrades as also noted in the 2010 inspection by Pittsburg Tank and Tower Co. made it cost prohibitive to repair the 80 year old tank and therefore it will be replaced.

The Sanitary Survey performed by OEPA in September of 2013 stated the two elevated storage tanks in the Village limits are in poor condition and that they should be replaced with a new elevated storage tank with capacity for a day's use.

The existing tank is centrally located to the downtown area of the community and provides fire flow and domestic service to most downtown older buildings and residents. This is the only elevated tank located within the village.

The construction of a new 300,000 gallon replacement tank will reduce the maintenance costs, increase the reliability to provide fire protection and system pressure to the Village. It will be located in the same location as the existing 100,000 gallon tank.

The Village supplies water to approximately 1,877 customers. In addition to the 100,000 gallon elevated water storage tank to be replaced, the Village owns and operates a 500,000 gallon reservoir and pump station. The 50,000 gallon elevated tank on Park Street was removed approximately 5 years ago.

The Village is supplied water from Ottawa County Regional Water.

The total cost for the proposed improvements is $999,628.00, of which the Village is contribution $512,128 from local revenue and is requesting 67% in OPWC grant funding and 33% loan funding. The Village is prepared to proceed with this project immediately following an award and notice to proceed from OPWC.

Ohio EPA
40 years and moving forward

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

09-13-13 P12:12 IN

9-16-13

RE: Ottawa County
Oak Harbor Village PWS
Community Public Water System
PWS ID# OH6202603
STU ID# 6256903

Sanitary Survey Findings

September 13, 2013

Mr. Robert A. Pauley, Village Administrator
Oak Harbor Village
146 Church Street
P.O. Box 232
Oak Harbor, Ohio 43449

Dear Mr. Pauley:

On August 27, 2013, I conducted a sanitary survey of the Oak Harbor Village public water system. Mr. Randy Genzman, Operator of Record, was interviewed and the water system was inspected in his presence.

The purpose of this evaluation is to determine the ability of the water system to provide adequate, safe and potable water that meets the requirements of the Ohio Administrative Code. The eight major elements that are generally reviewed during a sanitary survey include: source, treatment, distribution system, finished water, storage, pumps/pump facilities and controls, monitoring/reporting/data verification, water system management/operation, and operator compliance with State requirements. General supervision of operation and maintenance of public water systems is a function of this Agency as set forth in Chapter 6109 of the Ohio Revised Code.

Identified below are regulatory requirements for which action must be taken to return to compliance, and recommendations to address deficiencies that have the potential to cause future violations or contamination. Each of the following sections is the result of findings documented in the Sanitary Survey Evaluation Report, a copy of which is being sent to your operator to aid your water system in implementing the necessary corrective actions.

REQUIREMENTS

Per Ohio Administrative Code rule 3745-81-60(D), a public water system must respond, in writing, within 30 days, indicating how and on what schedule the system will address the following requirement.

1. The 2012 Consumer Confidence Report (CCR) did not include all information required by OAC Rule 3745-96-02:
    - The CCR did not include the definitions for "MCL," "NTU," and "TT." The definitions for all abbreviations used in the table of detected contaminants must be included in the CCR.

    Ensure that all information required by OAC Rule 3745-96-02 is included in future CCRs.

    No written response is necessary for this requirement.

RECOMMENDATIONS

The following deficiencies are not regulatory violations, but are actions that are recommended by this Agency for optimum operation and to reduce the potential for future violations or contamination:

1. Develop a written Preventative Maintenance program following manufacturer's recommendations for periodic evaluation, maintenance, and replacement of water system components, including pumps, elevated storage, waterline, hydrants, valves, meters, etc. An effective preventative maintenance plan would include a scheduling and tracking system for preventative maintenance activities.

2. Install a sump pump and appropriate discharge plumbing in the meter pit serving the connection with Ottawa County Regional Water. Ensure the discharge is not plumbed directly to a storm or sanitary sewer line.

3. Install fencing around the clearwell and booster pumping station building to improve public safety and water system security. The clearwell may be vulnerable to domestic terrorism because of the accessibility of the above-grade vents. [Recommended Standards for Water Works, 2007 Edition (RSWW), Section 7.0.4]

4. Replace or modify the clearwell vent caps so that the tops cannot be easily removed and so that the screen mesh is small enough to exclude insects and rodents. [RSWW, Section 7.0.9]

5. The two elevated storage tanks located within the village limits are in poor condition. Replace these two structures with a new elevated storage tank with capacity for a day's use.

6. Unaccounted-for-water was approximately 53% in 2011 and 52% in 2012. Unaccounted-for-water can result from issues such as low level leaks, malfunctioning meters, and other problems. Investigate and correct the source of the water loss.

7. Continue in your efforts to replace the aged meters throughout the system with remote/radio read meters. Inaccuracies due to the age of the meters may contribute to the village's significant unaccounted-for-water.

8. Continue in your efforts to replace the aged and leaking 10" water main along State Route 163 that serves the east pressure zone. Mr. Genzman stated the village had completed Phase 1 of a 9 year project to replace this water line.

9. Continue in your efforts to develop an active leak detection program.

10. Develop and implement a formal valve exercising, maintenance, and replacement program.

11. Continue your efforts to loop dead end lines where possible. Mr. Genzman stated looping projects to address 2 dead end lines were in the design phase.

12. To reduce the likelihood of freezing, install a flapper valve on the discharge end of the overflow for the Park Street elevated tank. Make provisions to prevent the flapper valve from freezing shut.

13. Have operators attend the Backflow Prevention training course sponsored by the Operator Training Committee of Ohio, Inc (OTCO). Additional information is available on the OTCO website at http://www.ohiowater.org/otco/pages/Backflow.htm.

Please note that additional information concerning existing and upcoming drinking water regulations and requirements can be obtained from our Web site at http://epa.ohio.gov/ddagw/DrinkingandGroundWaters.aspx.

If you have any questions regarding this letter, or any other matter involving your water system, please contact me at 419-373-3102 or via email at Kimberly.Burnham@epa.ohio.gov.

Sincerely,

Kimberly K. Burnham, R.S.
Environmental Specialist 2
Division of Drinking and Ground Waters

/cg

Enclosures

pc: Randy Genzman, Operator of Record - with enclosures
Ottawa County Health Department
Andy Barienbrock, DDAGW, Operations CO - with enclosures
File: DDAGW, NWDO - with enclosures

ec: KKB (pdf, please)

State of Ohio
Environmental Protection Agency

Division of Drinking and Ground Waters

Sanitary Survey Evaluation Report
OAK HARBOR VILLAGE PWS
PWS ID: OH6202603

Primary Survey Officer: Burnham Kimberly
Survey Date(s): 8/27/2013 – 8/27/2013

Contents:

Sanitary Survey Evaluation Report

PWS ID/Name: OH6202603 / OAK HARBOR VILLAGE PWS **Survey Officer: Burnham Kimberly**

General / Background Info / Name/Location

1.	PWS number:	OH6202603
2.	Name of public water system:	OAK HARBOR VILLAGE PWS

General / Background Info / Classification

1.	PWS Type:	C - Community
2.	PWS Source Type?	SWP - Surface Water purchased
3.	Total System - Design Water Production / Treatment Capacity:	1.0
4.	Total System - Design Water Production / Treatment Capacity Units:	MGD
5.	Average daily demand?	0.722
6.	Average daily demand units?	MGD
7.	Emergency production capacity:	1.0
8.	Emergency production capacity units:	MGD
9.	Number of service connections:	2136
10.	Service Connection Type?	CB - Combined
11.	Are service connections metered?	ME - Metered
12.	Community Population Served:	4615
14.	Community seasonal operation - Month open:	1
15.	Community seasonal operation - Day open:	1
16.	Community seasonal operation - Month closed:	12
17.	Community seasonal operation - Day closed:	31
19.	Non-Transient Population Served:	
20.	Non-Transient seasonal operation - Month open:	
21.	Non-Transient seasonal operation - Day open:	
22.	Non-Transient seasonal operation - Month closed:	
23.	Non-Transient seasonal operation - Day closed:	
25.	Transient Population Served:	
26.	Transient seasonal operation - Month open:	

General / Background Info / Classification

27.	Transient seasonal operation - Day open:	
28.	Transient seasonal operation - Month closed:	
29.	Transient seasonal operation - Day closed:	

General / Background Info / Current Survey Info / Participants

1.	*Water system representatives present during the survey:*	
1.01	Last Name #1:	Genzman
1.02	First Name #1:	Randy
1.03	Title #1:	Operations Manager
1.04	Last Name #2:	
1.05	First Name #2:	
1.06	Title #2:	
1.07	Last Name #3:	
1.08	First Name #3:	
1.09	Title #3:	

General / Background Info / Current Survey Info / Sampling

1.	Samples taken at the time of survey by inspector?	No

Sources / Consecutive Connection / General

1.	Purchase water?	Yes
1.01	If yes, name of system purchased from:	OTTAWA COUNTY REGIONAL WATER DISTRICT, PORT CLINTON CITY PWS
1.02	System purchased from - PWS number (OH########):	OH6203211;OH6205011
1.03	Connection usage type:	Primary
1.04	Purchased Water Type:	Purchased Surface Water
1.05	Contractual volume allowed (MGD)?	1.0
1.06	Contractual minimum required usage (MGD)?	0
1.07	Number of Master Meters with Supplier?	2

Sources / Consecutive Connection / General

1.08	General Condition of the Consecutive Connection(s):	Acceptable
1.09	Is the consecutive connection in a condition that represents an immediate threat to health, safety or in danger of failure?	No

Sources / Raw Water Quality Monitoring

1.	Is raw water quality monitored, If yes indicate parameters and typical ranges experienced?	No

OAK HARBOR VILLAGE - (Active) / General / General

1.	Operator of Record First Name:	Randy
2.	Operator of Record Last Name:	Genzman
3.	Certification Number:	WD2-1012321-09
4.	Water Treatment Plant Classification:	UNCLASSIFIED
	No treatment, so not treatment plant classification. Distribution system is Class 1.	
5.	Does the operator(s) of record have a valid certification equal to or greater than the facility classification?	Yes
6.	Describe Entry Point Location (Include SMP ID#)	EP001 - tap in basement of booster station
7.	Plant Capacity:	1.44
8.	Plant Capacity Units	MGL - Million Gallons
9.	Basis for design capacity (plan approval, well capacity, seating capacity, connections, etc.)?	booster pumps with largest oos
10.	Limiting factor for plant capacity:	booster pumps
11.	Is emergency power available?	YES - Yes
12.	Average production during past 12 months:	0.722 MGD
13.	Maximum production during past 12 months:	1.08 MGD 10/14/12

OAK HARBOR VILLAGE - (Active) / General / Chemical Use

1.	Are any water treatment chemical utilized?	No

Pump Stations / General

1.	Does the PWS contain any pump stations or facilities (low service, high service, distribution etc.)?	Yes

Pump Stations / General

1.01	Are there at least two equal and functioning pumping units at each pump facility?	Yes
1.02	Can the demand of each pump facility service area be met by the remaining pumps when the largest unit is out of service?	Yes
1.03	Are pump outputs periodically re-evaluated?	No
1.04	*Is each pump discharge line equipped with an operable:*	
1.05	-pressure gauge?	Yes
1.06	-flow meter	Yes
1.07	-sample tap	Yes
1.08	-air release valve (if applicable)	Yes
1.09	*Are all pump facilities free from excessive:*	
1.1	- dirt/clutter?	Yes
1.11	- noise/vibration?	Yes
1.12	- heat or cold?	Yes
1.13	-standing water from leaking pipes/seals?	Yes
1.14	Are all pumps properly lubricated?	Yes
1.15	Do all underground pump facilities contain a functional sump pump or are they otherwise properly drained/sealed?	Yes
1.16	Are the all controls maintained in good working order?	Yes

Pump Stations / OAK HARBOR PUMP STATION - (Active)

1.	Purpose of Pump Station	High Service
2.	Have any Modifications been made to the station?	No
4.	How many hours per day does the station run?	9.5
5.	What is the maximum number of cycles (on/off) that the station operates?	8
6.	Is supplemental disinfection provided?	No
7.	Is auxiliary power provided?	Yes
7.01	Type of auxiliary power provided?	Onsite Generator

Pump Stations / OAK HARBOR PUMP STATION - (Active)

8.	General Condition of Pump Station?	Acceptable
9.	Is the pump station in a condition that represents an immediate threat to health, safety or in danger of failure?	No
10.	General Comments 1:	
11.	General Comments 2:	
12.	General Comments 3:	

Auxiliary Power / General

1.	Is auxiliary power provided for any water system facilities?	Yes
1.01	*Indicate what facilities are provided auxiliary power?*	
1.02	-Wells?	NA
1.03	-Treatment Facilities	NA
1.04	-Pump Stations	Yes
1.05	-Other?	
1.06	- Are auxiliary power systems capable of ensuring required minimum treatment is provided and all portions of the distribution system maintain pressure even during extended periods of power loss?	Yes
1.07	Are the auxiliary power units exercised, tested regularly and properly?	Yes
1.08	Are fuel tanks located such that they do not present contamination or safety hazards?	Yes
1.09	What is the maximum flow through the treatment facility while on auxiliary power?	1.44 MGD
1.1	Is the auxiliary power activated automatically upon loss of local power?	Yes
1.11	General condition of auxiliary power systems?	Acceptable

Storage / GENERAL STORAGE

1.	Does the system have storage other than pneumatic pressure tanks?	Yes
1.01	Are tanks designed so that they can be isolated without disruptions in the distribution system?	Yes
1.02	Are the controls used for maintaining the water level in each of the tanks appropriate and operational?	Yes

Storage / GENERAL STORAGE

1.03	Is there equipment to determine the water level in each tank and is it operable?	Yes
1.04	Does the water in the tanks turn over at least daily?	Yes
1.05	Are physical barriers in place to prevent unauthorized entry at each tank site?	No
1.06	Are all visible hatches locked?	Yes
1.07	Have roof penetrations been inspected within the past 6 months?	No
1.08	Are access openings overlapping and water tight?	Yes
1.09	*Are air vents:*	
1.1	- Turned downward or covered from rain?	Yes
1.11	- Screened?	Yes
1.12	*Are overflow pipes:*	
1.13	- Properly screened or fitted with an operable flapper gate?	Yes
1.14	- Appropriately drained with a splash pad?	Yes
1.15	Is the area around the tank graded to prevent standing surface water?	Yes
1.16	Following inspection/maintenance are tanks disinfected and sampled in accordance with AWWA C-652?	Yes

Storage / MAIN ST. ELEVATED TOWER (0.1 M) - (Active) / TANK DETAILS

1.	Capacity of Tank:	0.1
2.	Capacity Units:	MGL - Million Gallons
3.	Have any modifications been made to the tank since last survey?	No
4.	Are all visible surfaces free from excessive corrosion, cracks or other signs of deterioration including leaks?	Yes
5.	Date of last interior inspection (mm/dd/yy):	4/2012
6.	Date of interior cleaning & coating (mm/dd/yy):	4/2012
	cleaned in 2012. Last interior coating 2004	
7.	Date of exterior painting (mm/dd/yy):	2000
8.	What is the interior coating of the tank?	Wax
9.	Are cathodic protection rods utilized for corrosion control?	No

Storage / MAIN ST. ELEVATED TOWER (0.1 M) - (Active) / TANK DETAILS

11.	General Condition of Tank?	Acceptable But Needs Improvements
12.	Is the storage tank in a condition that represents an immediate threat to health, safety or in danger of failure?	No
13.	General Comments 1:	
14.	General Comments 2:	
15.	General Comments 3:	

Storage / PARK ST. ELEVATED TOWER (0.05 MG) - (Active) / TANK DETAILS

1.	Capacity of Tank:	0.05
2.	Capacity Units:	MGL - Million Gallons
3.	Have any modifications been made to the tank since last survey?	No
4.	Are all visible surfaces free from excessive corrosion, cracks or other signs of deterioration including leaks?	No
5.	Date of last interior inspection (mm/dd/yy):	11/2010
6.	Date of Interior cleaning & coating (mm/dd/yy):	2004
7.	Date of exterior painting (mm/dd/yy):	2002
8.	What is the interior coating of the tank?	Wax
9.	Are cathodic protection rods utilized for corrosion control?	No
11.	General Condition of Tank?	Acceptable But Needs Improvements
12.	Is the storage tank in a condition that represents an immediate threat to health, safety or in danger of failure?	No
13.	General Comments 1:	
14.	General Comments 2:	
15.	General Comments 3:	

Storage / LAKE WINDS ELEVATED TOWER (0.1 MG) - (Active) / TANK DETAILS

1.	Capacity of Tank:	0.1
2.	Capacity Units:	MGL - Million Gallons
3.	Have any modifications been made to the tank since last survey?	No
4.	Are all visible surfaces free from excessive corrosion, cracks or other signs of deterioration including leaks?	Yes
5.	Date of last interior inspection (mm/dd/yy):	10/2009
6.	Date of Interior cleaning & coating (mm/dd/yy):	8/2008
7.	Date of exterior painting (mm/dd/yy):	8/2008
8.	What is the interior coating of the tank?	Paint
9.	Are cathodic protection rods utilized for corrosion control?	No
11.	General Condition of Tank?	Acceptable
12.	Is the storage tank in a condition that represents an immediate threat to health, safety or in danger of failure?	No
13.	General Comments 1:	
14.	General Comments 2:	
15.	General Comments 3:	

Storage / H.S. RESERVOIR UNDERGROUND TANK (0.5 MG) - (Active) / TANK DETAILS

1.	Capacity of Tank:	0.5
2.	Capacity Units:	MGL - Million Gallons
3.	Have any modifications been made to the tank since last survey?	No
4.	Are all visible surfaces free from excessive corrosion, cracks or other signs of deterioration including leaks?	Yes
5.	Date of last interior inspection (mm/dd/yy):	6/2009
6.	Date of Interior cleaning & coating (mm/dd/yy):	6/2009
7.	Date of exterior painting (mm/dd/yy):	N/A
8.	What is the interior coating of the tank?	None
9.	Are cathodic protection rods utilized for corrosion control?	No
11.	General Condition of Tank?	Acceptable
12.	Is the storage tank in a condition that represents an immediate threat to health, safety or in danger of failure?	No
13.	General Comments 1:	
14.	General Comments 2:	
15.	General Comments 3:	

Distribution/Management / General

1.	*Is management familiar and able to discuss the following:*	
2.	- OEPA requirements noted in previous inspections?	Yes
3.	- System operational and maintenance needs?	Yes
4.	- When plan approval is required?	Yes
5.	- Steps to take as a result of depressurization?	Yes
6.	- Disinfection procedures of the well and distribution system?	Yes
7.	*Sampling/Monitoring*	
8.	Do historical bacteriological sampling results indicate a problem?	No
9.	Are bacteriological samples being collected appropriately (frequency/sample location/collection protocol)?	Yes
10.	Do historical chemical sampling results indicate a problem?	No
11.	Are chemical samples being collected appropriately (frequency/sample location/collection protocol)?	Yes
12.	Have all public notices required since the last survey been appropriately displayed?	NA

Distribution/Management / Operations and Maintenance

1.	Are operation and maintenance records maintained for the PWS/treatment plant(s)?	Yes
1.01	Are the records housed and maintained in such a manner as to be protected from weather damage and guarantee authenticity and accuracy?	Yes
1.02	Are records accessible onsite for 24 hour inspection by Ohio EPA or emergency personnel?	Yes
1.03	Do records indicate the date and times of arrival/departure for the operator of record?	NA
1.04	*Is the following information maintained within the O&M records:*	
1.05	-Identification of the PWS and/or treatment plant?	Yes
1.06	-Specific operation and maintenance activities that affect or have the potential to affect the quality or quantity of water produced/conveyed?	Yes

Distribution/Management / Operations and Maintenance

1.07	-Results of test performed and samples taken, unless documented on laboratory sheets?	Yes
1.08	- Performance of preventative maintenance and repairs or request for repair of critical equipment or facilities.	Yes
1.09	- Identification of persons making entries and date of entry.	Yes
2.	Are manufacturers service and repair manuals availble for all critical units?	Yes
3.	If treatment is utilized, are periodic samples taken to evalute operational performance?	NA
4.	Does the system maintain a minimum of 20 psi at all times?	Yes

Distribution/Management / Backflow Prevention

1.	Does the water system have connection which would require backflow prevention devices?	Yes
1.01	Has appropriate backflow prevention devices been installed?	Yes
1.02	Are backflow preventers tested every 12 months?	Yes
2.	Is the backflow program adequate?	Yes

Distribution/Management / Security/Safety

1.	Are all structures/facilities protected from unauthorized entry?	Yes
2.	Does the system patrol and inspect wellfields, source intakes, buildings, storage tanks, equipment and other critical components on a regular basis?	Yes
3.	Is Personal Protective Equipment (PPE) provided?	Yes

Distribution/Management / Source Water Protection

1.	What was the susceptibility to contamination determination for this system?	High
2.	Are procedures in place to prohibit the application of pesticides, herbicides and fertilizers around the source water?	NA
3.	Has a Source Water Protection Plan (SWPP) been developed?	NA

Distribution/Management / Emergency Response

1.	Does the PWS have a written Contingency Plan ?	Yes

Distribution/Management / Emergency Response

1.01	Has it been updated within the last 12 months?	Yes
1.02	Does the Contingency Plan address the required situations/issues according to the OAC?	Yes
1.03	Is there an Emergency Contact List for the Contingency Plan?	Yes

Distribution/Management / Financial

1.	Are customers billed for water?	Yes
1.01	When was the last user fee, user charge or rate system adjustment?	2012

Distribution/Management / Overall Distribution/Management

1.	General Condition of Distribution/Management System:	Acceptable
2.	Is the overall management creating a condition that represents an immediate threat to health, safety or failure of any part of the public water system not already noted.	No
3.	Is there any condition within the distribution system that represents an immediate threat to health, safety or failure of any part of the public water system not already noted?	No

OAK HARBOR VILLAGE PWS

Surveyor	Burnham	Collection Date	8/27/13

SECTION 1 - PWS INFORMATION

PWS ID#	OH6202603	County	Ottawa
STU ID#	6256903	Source Designation	SWP
System Type	Community	Plant Class	N/A
Service Connections	2136	Distribution Class	I
Connections Metered	2136	Average Usage	0.7222 MGD 8/2012 – 7/2013
Direct Population	4615	Max Usage / Date	1.080 MG / 10/14/12
Combined Population	4615	System Design Cap.	1.0 MGD Contractual Volume OCRW

SECTION 2 - OFFICIALS/OPERATORS

	Operator	Owner / Management	Administration	Owner / Management
Name	Jerry D. Neff	Randall L. Genzman	Robert A. Pauley	Debbie Carpenter
Title	Superintendent	Operations Manager	Village Administrator	Fiscal Officer
Operator Cert. #	WD2-1011023-07	WD2-1012321-09	N/A	N/A
Address	355 East Water Street Oak Harbor, Ohio 43449	Department Public Works 146 Church Street P.O. Box 232 Oak Harbor, Ohio 43449 2840 N. Toussaint S. Road Oak Harbor, Ohio 43449	Department of Public Works 146 Church Street P.O. Box 232 Oak Harbor, Ohio 43449	Department of Public Works 146 Church Street P.O. Box 232 Oak Harbor, Ohio 43449
Contact Number (Office)	419-898-0517	419-898-1823	419-898-5561	419-898-5561
Contact Number (Fax)	419-898-6117	419-898-0581	419-898-2519	419-898-2519
Contact Number (Cellular)		419-707-0904		
Contact Number (Home)		419-898-0621		
E-mail	jerryn@oakharbor.oh.us	randyg@oakharbor.oh.us	rpauley@oakharbor.oh.us	dcarpenter@oakharbor.oh.us
Primary Contact?	Operator of Record	Yes	Administrative Contact	Financial Contact

Directions to STU: Take SR 105 North from Bowling Green to Oak Harbor. The High Service Reservoir Booster Pump Station (EP001) is located about ½ mile east of the village limits at 9735 West State Route 163. Follow SR 163 (West Harbor Road) east from the Oak Harbor approximately nine miles into the City of Port Clinton. The emergency connection to the Port Clinton PWS is located on the south side of the road (Lake Shore Drive) directly across from the southern front of Lake Erie.

General Comments: The contractual volume with Ottawa County Regional Water is 1.0 MGD. (Connected to OCRW since 1/2000)
2,136 Service Connections = 761 East Pressure Zone SC + 1,375 West Zone SC
West Pressure Zone consists entirely of the Village of Oak Harbor. East Pressure Zone consists of the trunk line that extends from just in front of the HS Reservoir Pumping Station (east side of Village) east through Salem and Erie Townships to Port Clinton Village Offices: 146 Church Street. Department of Public Works: 351 East Water Street. Village WWTP: 355 East Water Street. Two other employees are listed as certified operators: Bryan J. Buhro (WD1-1114380-10) 419-898-1823 (Office) & 419-334-3529 (Home); and Gerald Buhrow (WD1-1022251-10) 419-898-1823 (Office) & 419-898-1149 (Home).

SECTION 3 - RECORDS (indicate those available at PWS)

Plan Approval(s)	Plant Drawings	Distribution as Builts	Maintenance Records	Operational Logs	Bacti. Siting Plan	Contingency Plan	DBP Siting Plan
Y	N/A	Y	Y	N	Y	Y	Y

SECTION 4 - BULK CUSTOMERS (SATELLITE SYSTEMS) - NO BULK CUSTOMERS

SECTION 5 - SYSTEM OVERVIEW (check all that apply)

SOURCE	TREATMENT		CHEMICAL FEEDS		DISTRIBUTION
☐ Groundwater ■ Surface Water ■ Satellite	☐ Iron/Manganese Removal ☐ Lime/Soda Softening ☐ Surface Water Treatment ☐ Chemical Oxidation ☐ Aeration ☐ Ion Exchange ☐ Coagulation ☐ Sedimentation ☐ Stabilization	☐ Filtration ☐ Absorption ☐ UV ☐ Disinfection ☐ Fluoridation ☐ Corrosion Control ☐ Other _____	☐ Alum ☐ Iron Salts ☐ Lime ☐ Soda Ash ☐ Caustic Soda ☐ CO_2 ☐ $KMnO_4$ ☐ Polymers	☐ Phosphates ☐ Fluoride ☐ PAC ☐ Sodium Hypochlorite ☐ ClO_2 ☐ Ferric Chloride ☐ Ferric Sulfate ☐ Other _____	☐ Pressure Tanks ■ Storage Tanks ■ Booster Stations

SECTION 6 - SOURCE

SURFACE WATER SOURCE						
Source Name	Type	Capacity	Intake Type	Intake Distance Offshore (ft.)	Raw Main Size / Length	Pumped to Plant
Lake Erie					/	
Comments	The Ottawa County Regional Water System (OCRW) operates the water treatment plant formerly owned and operated by the City of Port Clinton.					

CONSECUTIVE SYSTEM SUPPLIER(S)	
Source	Description (Master Meter Location, Pumps)
Ottawa County Regional (PWS ID No. 6205011)	The master meter is read by the Oak Harbor PWS and located in front of the High Service Reservoir Pump Station at 9735 West State Route 163.
City of Port Clinton (PWS ID No. 6203211)	The emergency source master meter is located in the City of Port Clinton corporation limits on Lake Shore Drive. The Port Clinton City PWS also receives its finished water from the Ottawa County Regional Water System.

SECTION 7 - WATER TREATMENT PLANT – NO TREATMENT

GENERAL INFORMATION	
Entry Point Location	In basement of HS Reservoir Booster Pump Station: 9735 West State Route 163 approximately ½ mile east of the village limits
Comments	The old Oak Harbor WTP, 228 Park Street, was valved off and partially decommissioned. The two wells serving the old WTP were reportedly abandoned. The (0.2 MG) Low Service Reservoir which was located next to the old WTP was also reportedly abandoned.

SECTION 7.1 CHEMICAL FEEDS

Chemical	Feed Location(s)	Feeder Capacity	Solution Strength (%)	Day Tank Size (gal)	Bulk Storage Size	Scales (✓)	Purpose
N/A	HS Reservoir Pump Station						
Comments	There is a chlorine feed room at the HS Reservoir Pump Station. The chlorine equipment has been completely disconnected and hasn't been used for a long time if ever.						

SECTION 8 - DISTRIBUTION/STORAGE

WATERLINES			
Miles of Lines	~22	Adequate Valving	Yes
Piping Material(s)	Cast Iron, Ductile, PVC (C909) Asbestos Cement, Carbon Steel, HDPE	Flushing Frequency	Entire system annually Per IDSE, DBP sampling areas more frequently
Size of Mains	4" to 16"	% of mains > 30 yrs old.	~90
Percent Metered	100%	Number of Hydrants	171
Bulk Fill Location	Former WTP, 228 Park Street. An air gap was added per 2/9/11 response to last SS. Photo provided.		
TC Test Location(s)	6 locations listed in BSSP		
Comments	Two pressure zones: the West Pressure Zone (Village of Oak Harbor) and the East Pressure Zone (nine miles along SR 163 and just into the City of Port Clinton, serves connections in Salem and Erie Townships.) The East Pressure Zone main trunk line is 10" carbon steel with an outside coating of tar, installed circa 1939. That carbon steel main line has become very thin in many spots due to corrosion and leakage was of great concern; water main breaks occur regularly. System has 9 year plan to replace this water line. 1st phase completed summer 2013. There are seven dead end mains reported throughout the distribution system. OCRW trunk water main line runs west along Ottawa County Highway 17 and then north along Bebow Road. It then goes under the Portage River via a 16" main and connects to the master meter vault located in front of the HS Reservoir Pump Station at 9735 West State Route 163. The percent of unaccounted for water (loss) was 53.02% in 2011 and 52.01% in 2012. There was about 1-2 miles of asbestos cement main lines in the distribution system. Water system pressures were maintained between 48 and 54 psi. There was no main line valve exercising program. There was no leak detection program; leak detection was contracted out to 'Aqua Leak'.		

DISTRIBUTION STORAGE TANKS						
Name	Capacity (MG)	Type	Material	Overflow Elevation	Construction Date	Location/Description
Lake Winds Tower (ST003)	0.5 MG	Elevated Tank	Steel	707'	1995	East Pressure Zone at Lakewinds Industrial Park / 900 feet north of State Route 163 / Pedisphere
Park Street Tower (ST002)	0.05 MG	Elevated Tank	Steel		1911	West Pressure Zone at the Old WTP / 228 Park Street / 4-Legged Witch Hat
Main Street Tower (ST001)	0.1 MG	Elevated Tank	Steel		1934	West Pressure Zone at West Main & Center Streets / 4-Legged Witch Hat
H.S. Reservoir (ST004)	0.5 MG	Underground	Concrete		1961 plans	½ mile east of the village limits at 9735 W SR 163
Comments	Lake Winds tank: welded steel construction. Inspected on September 29, 2009. Repainted in 2008; the inside with a three-coat epoxy and the outside with a three-coat polyurethane product. Owned by the Ottawa County Commission and maintained by Oak Harbor. When the Lake Winds Elevated Tower is out of service, there is a prominent water hammer that becomes apparent in the East Pressure Zone leading to increased water leaks along the 10" trunk main water line Main and Park Street tanks: The interiors coated with wax in 2004. The Main Street tank overflow discharge pipe air gap and screen were clogged with wax. There was a collapsible rubber tube at the discharge end prior to the air gap. Main and Park Street tanks inspected on October 26, 2010 by the Pittsburgh Tank Company. Numerous deficiencies were reported regarding both below present day standard construction and fair to poor component conditions; extensive maintenance was recommended for both tanks in order for them to continue functioning as designed. Decommissioning of Park St tower is anticipated in the near future. Project to add mixing to towers and aeration and mixing to clearwell planned in near future.					

DISTRIBUTION BOOSTER STATIONS						
Name	# Pumps	Capacity	Pump Type	Control Type	Pump Install Date	Location/Description
H.S. Reservoir Booster Station	2	600 gpm/pump	Centrifugal Horizontal	SCADA	1965	½ mile east of Oak Harbor on SR 163
H.S. Reservoir Booster Station	1	400 gpm	Centrifugal Vertical	SCADA	2009	½ mile east of Oak Harbor on SR 163
LaCarne Booster Station	2	100 gpm	Centrifugal Horizontal	SCADA		Inactive for many years East of town on SR 163
Comments	Gate valve broken on HS pump #2; Horizontal pumps to be replaced as part of aeration/mixing project					

SECTION 9 –AUXILIARY POWER

EMERGENCY GENERATOR			
Type Provided	Size (kW)	Facilities Connected	% Capacity Under Aux Power
Standby on-site diesel electric generator	85	H.S. Reservoir Booster Station	100 %
Direct Connect Natural Gas Engine		One (600 gpm) Pump at the H.S. Reservoir Booster Station	67 %
Comments	The diesel generator is exercised manually monthly. The natural gas powered direct connect engine is exercised bi-weekly.		

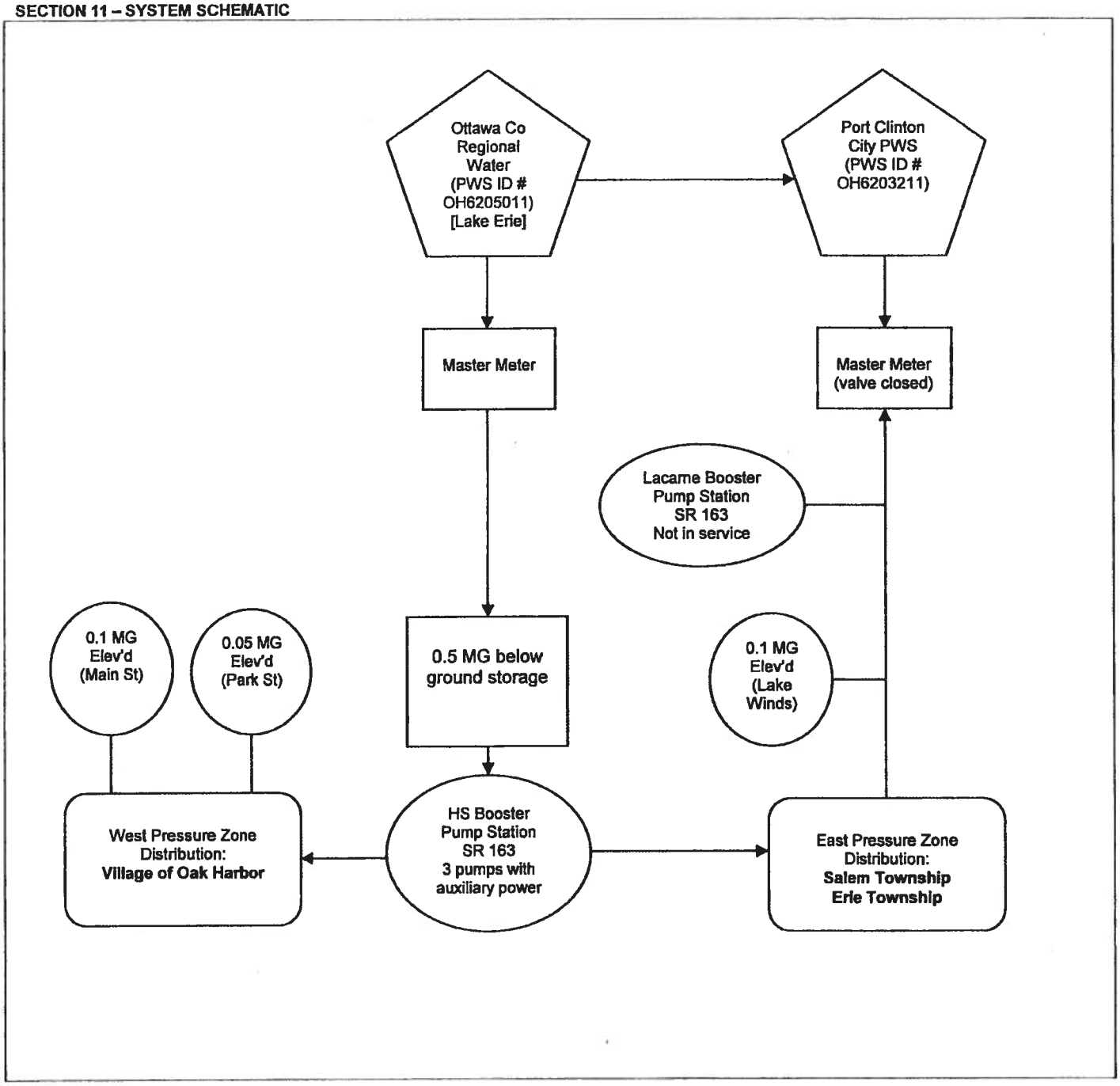
SECTION 10 - SUBSTANTIAL CHANGES OR PLAN APPROVALS

Application No.	Project Title/Description
927205 ws	Detail Plans for Wolfe Road WL Replacement Project (March 26, 2013)
877372 ws	Detail Plans for Meachem Road WL Replacement Project (April 11, 2012)
815107 ws	Detail Plans for Distribution System Optimization Plan (July 15, 2011)
701769 ws	Detail Plans for Waterline Improvements for Red Hawk Run Subdivision (June 5, 2009)
471019 ws	Detail Plans of Watermain Improvements for Chet's Place Campground (November 15, 2007)
434444 ws	Detail Plans of Utility Improvements for Red Hawk Run (August 10, 2006)
391379 ws	Detail Plans of Plantation Subdivision Waterline (July 20, 2005)
385475 ws	Detail Plans of Toussaint South W/L Ext. (March 30, 2005)
365611 ws	Detail Plans of Site Improvements for Burdine First Addition (November 2, 2004)
359796 ws	Detail Plans of Mylander Meadow and March - Phase I (October 22, 2004)
334405 ws	Detail Plans of Lutheran Housing Services #12, Inc. W/L Ext. (May 28, 2004)
242959 ws	Detail Plans of Finke Road Waterline Extension (Corrected Copy) (March 8, 2004)
242959 ws	Detail Plans of Finke Road Waterline Extension (January 24, 2003)
NW-3533-WS	Detail Plans of Liquid Chlorine Feed Equipment at 228 Park Street and 9735 West State Route 163 (March 13, 1998)
NW-3505-WS	Detail Plans of Country Meadows Condominiums Phase II Waterline Extension (February 17, 1998)
NW-3047-WS	Detail Plans of Oak Run Subdivision Waterline Extension along East Oak Street east of Locust Street (July 31, 1996)
NW-3011-WS	Detail Plans of Lake Street Waterline - Waterline Replacement along Lake, Locust, Center and South Railroad Streets (May 1, 1996)
NW-2687-WS	Detail Plans of 1995 Waterline Improvements (Along Alley Between Townline Street and South Road; East Ottawa Street; Water Street and Oak Ridge Drive) (April 24, 1995)
NW-2543-WS	Detail Plans of Ottawa County Industrial Park Waterline Extension And Elevated Storage Tank (November 7, 1994)

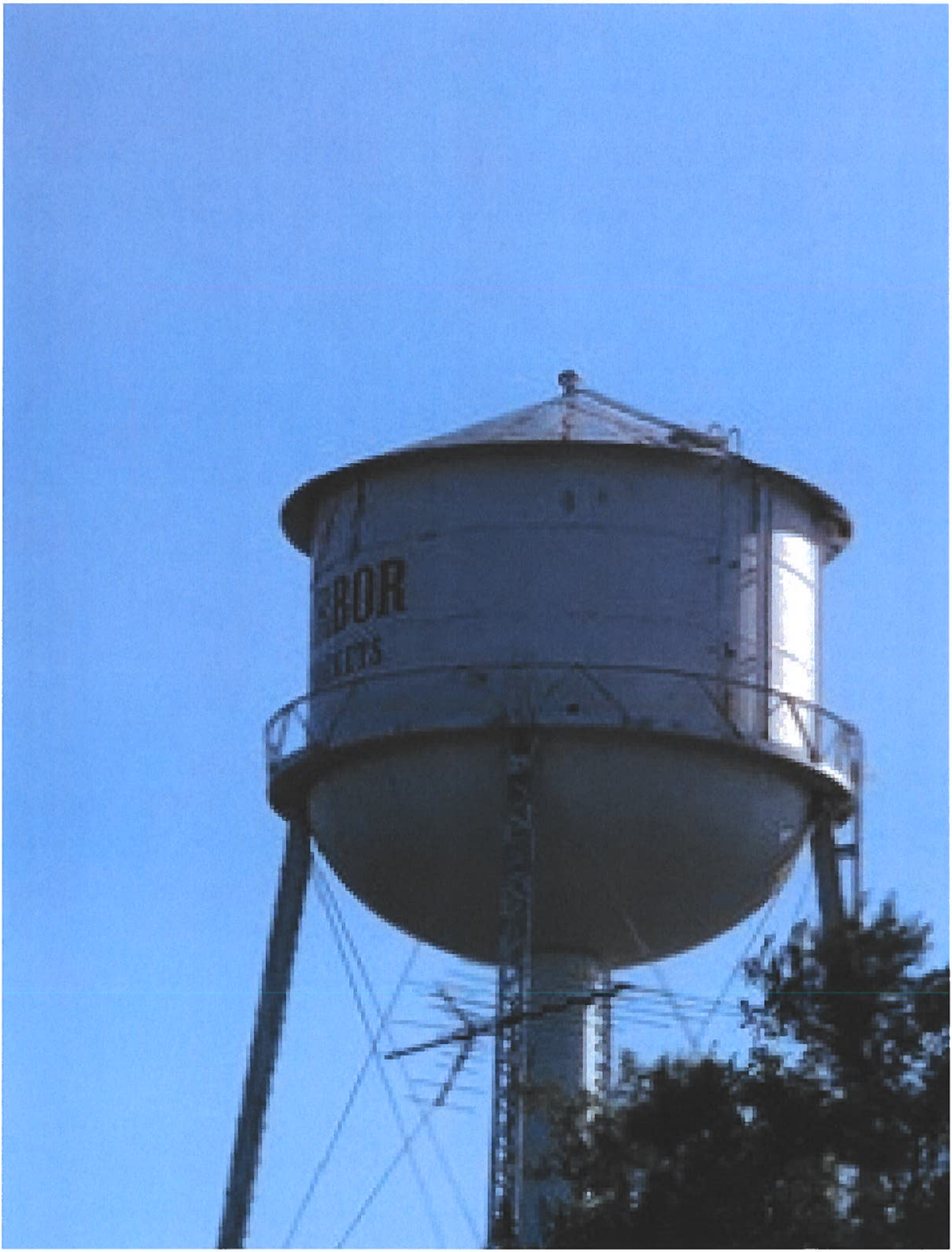
NW-2522-WS	Detail Plans of Oak Ridge Drive Waterline Extension (October 25, 1994)
NW-2544-WS	Detail Plans of Spinnaker Bay Yacht & Beach Club Waterline Extension (October 17, 1994)
NW-2326-WS	Detail Plans of Oak Mill Subdivision Waterline Extension (November 23, 1993)
NW-2007-WS	Detail Plans of Locust Street Water Main Replacement (October 22, 1992)
NW-1721-WS	Detail Plans of Park Street Water Main (1087 Lineal Feet of 12 Inch Pipe Along Park Street and 93 Lineal Feet of 8 Inch Pipe Along Church Street) (July 12, 1991)
NW-1561-WS	Detail Plans of Installation of A 36 mil PVC Liner and 110 mil Polypropylene Backing in the Existing Reservoir (January 4, 1991)
NW-1596-WS	Detail Plans of LaCarne Waterline Improvement (4000 Lineal Feet of 8 Inch Waterline to Replace The Existing 2 Inch Lines) November 30, 1990)
NW-1443-WS	Detail Plans of Water Line Along Toussaint Street for Pine Harbor Subdivision (April 20, 1990)
NW-1272-WS	Detail Plans of Waterline Extension for Brookside Subdivision on the South and West Sides of Brookside Court, Off State Route 163 (July 20, 1989)
NW-1216-WS	Detail Plans of Water Supply Line For Waterford Place Subdivision Along Wexford Drive, Northside of State Route 163, Approximately 2 ½ miles East of Oak Harbor (May 2, 1989)
NW-1145-WS	Detail Plans of Water Main Extension, About 1400 Feet of 8 Inch Pipe in West Avenue, South Gordon Drive and Park Street (December 19, 1988)
NW-876-WS	Detail Plans of Water Main Extension, About 950 Feet of 4 Inch Pipe and 300 Feet of 2 Inch Pipe in Yacht Port Beach Road to Serve Yacht Port Beach Condominiums (October 16, 1987)
NW-792-WS	Detail Plans of Water Main Extension, About 200 Feet of 6 Inch, 700 Feet of 4 Inch and 700 Feet of 2 Inch Pipe in Yacht Port Beach Road to Serve Yacht Port Beach Condominiums (July 21, 1987)
NW-697-WS	Detail Plans of Proposed Waterline Extension To Serve Lakefront Villa Condominiums. About 1482 Feet of 8 Inch Pipe in West Lakeshore Drive (December 15, 1986)
NW-680-WS	Detail Plans of Proposed Waterline Extension to Serve Oak Harbor Church of United Brethern in Christ, About 275 Feet of 8 Inch Pipe in State Route 19 (October 30, 1986)
NW-658-WS	Detail Plans of Proposed Water Main Extension, About 340 Feet of 6 Inch Pipe In Oak Ridge Drive (October 9, 1986)
NW-517-WS	Detail Plans of Proposed Water Main Extension, About 750 Feet of 6 Inch Pipe in State Route 163 To Serve Orchard Creek Subdivision (December 31, 1985)
NW-130-WS	Detail Plans of Proposed Water Main Extension, about 1,050 Feet of 6 Inch Pipe to Serve Waterfronts Condominiums, Port Clinton (April 26, 1983)
	Detail Plans of Proposed Booster Pump Station, Modifications to Increase Pumping Capacity and Improved Metering and Control (August 18, 1980)
	Detail Plans of A Water Line Extension to Serve Harvest Estates Plant No. 1 Located on the East of Oak Harbor just North of State Route 163 and just West of Behlman Road, About 220 Feet of 8 Inch Pipe Along West Avenue, 1260 Feet of 8 Inch Pipe Along South Robinson Drive, 540 Feet of 8 Inch Pipe Along Park Street and 210 Feet of 8 Inch Pipe Along Harvest Lane (March 27, 1979)
	Detail Plans of A Water Line Extension Along State Route 163, About 170 Feet of 12 Inch Pipe est of the Existing Water line Valve Manhole Located Approximately 200 Feet West of the Benton-Carrol-Salem High School (May 16, 1979)
	Detail Plans Of Water Main Extension, About 700 Feet Of 8-Inch Pipe For Bassett's Apartments (February 2, 1977)
	Detail Plans of Relocation of Existing Water Mains, About 1,600 Feet of 6-inch Pipe Along Church Street, Park Street, Walnut Street and Washington Street (August 26, 1975)
	Detail Plans of West Side Reinforcing Water Mains, about 3700 feet of 12 - inch pipe and 1900 feet of 8 - inch pipe, from the existing Elevated Storage Tank on Park Street west to Benton Street, on Benton Street north from S. R. 163 for about 2400 Feet, and on S. R. 163 northwesterly about 1800 feet (January 17, 1975)
	Detail Plans of Water Main Extension About 1300 Feet of 12-inch Pipe in Park Street East from Benton Street to Service New High School and Future Development (November 1, 1974)
	Detail Plans of proposed additional trunk water main for Oak Harbor, about 5,300 feet of 16-inch pipe in Water Street from the existing reservoir and pumping station to the Water Street-Maple Street intersection (August 26, 1968)
	Detail Plans of Proposed Ground Storage Reservoir and Booster Pumping Station for Oak Harbor (April 25, 1961)
	Detail Plans of Proposed Water Distribution Improvements for Oak Harbor (February 24, 1960)
	Detail Plans of Proposed Water Supply and Sewerage for War Trailer Project OH 33253 in Port Clinton and Portage Township, Ottawa County (June 30, 1943)

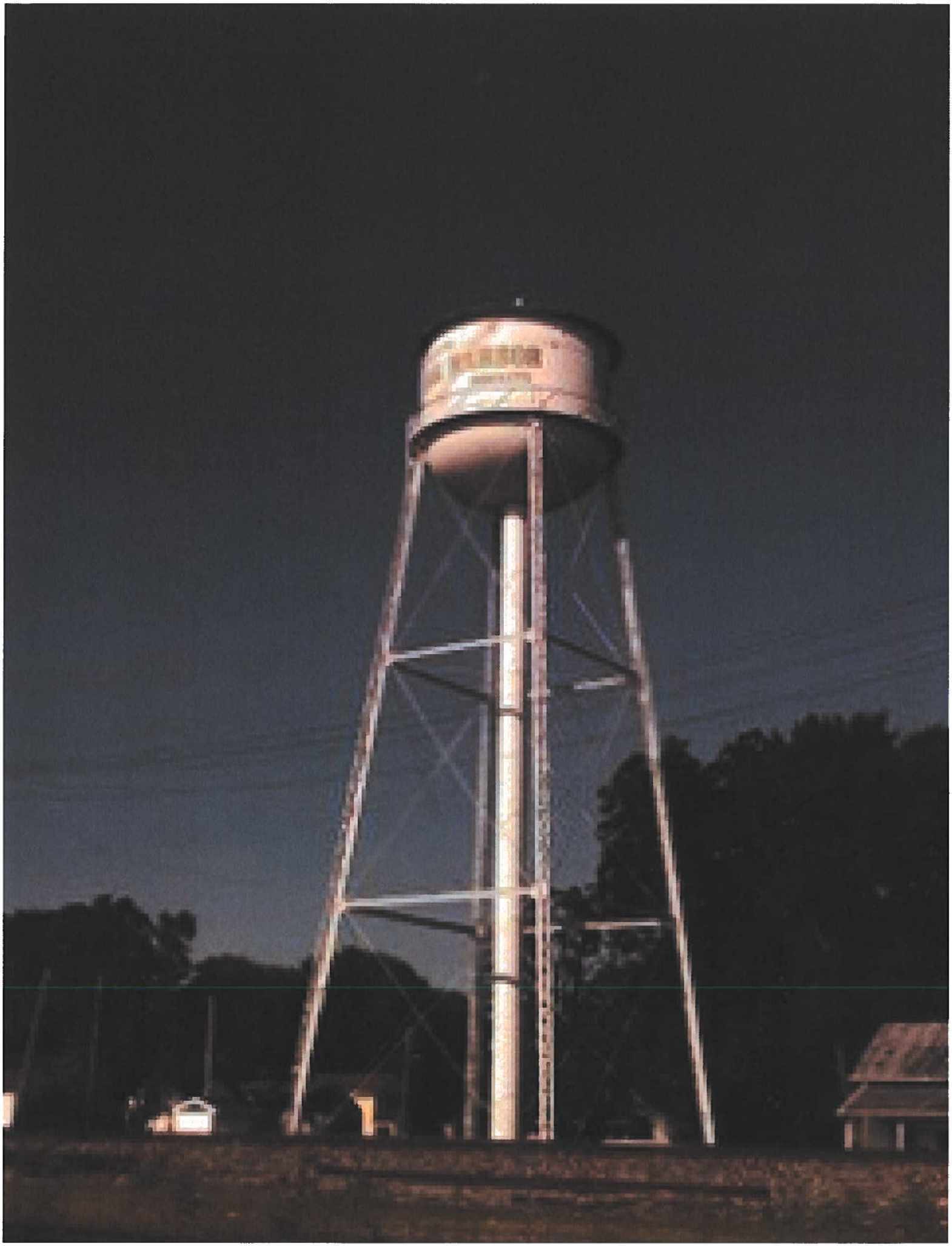
	Detail Plans of Water Transmission Main from Port Clinton to Oak Harbor (August 18, 1939)

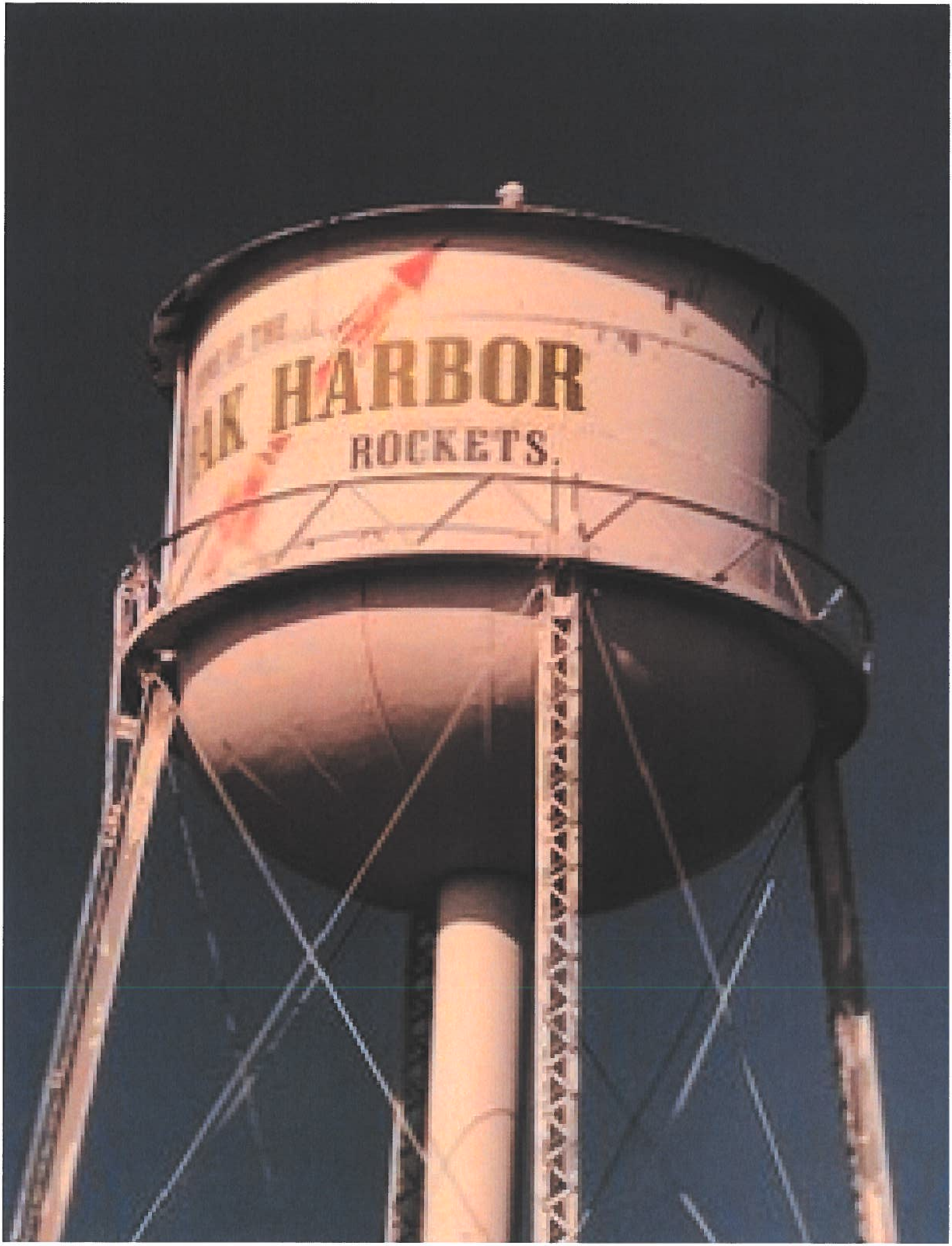
SECTION 11 – SYSTEM SCHEMATIC

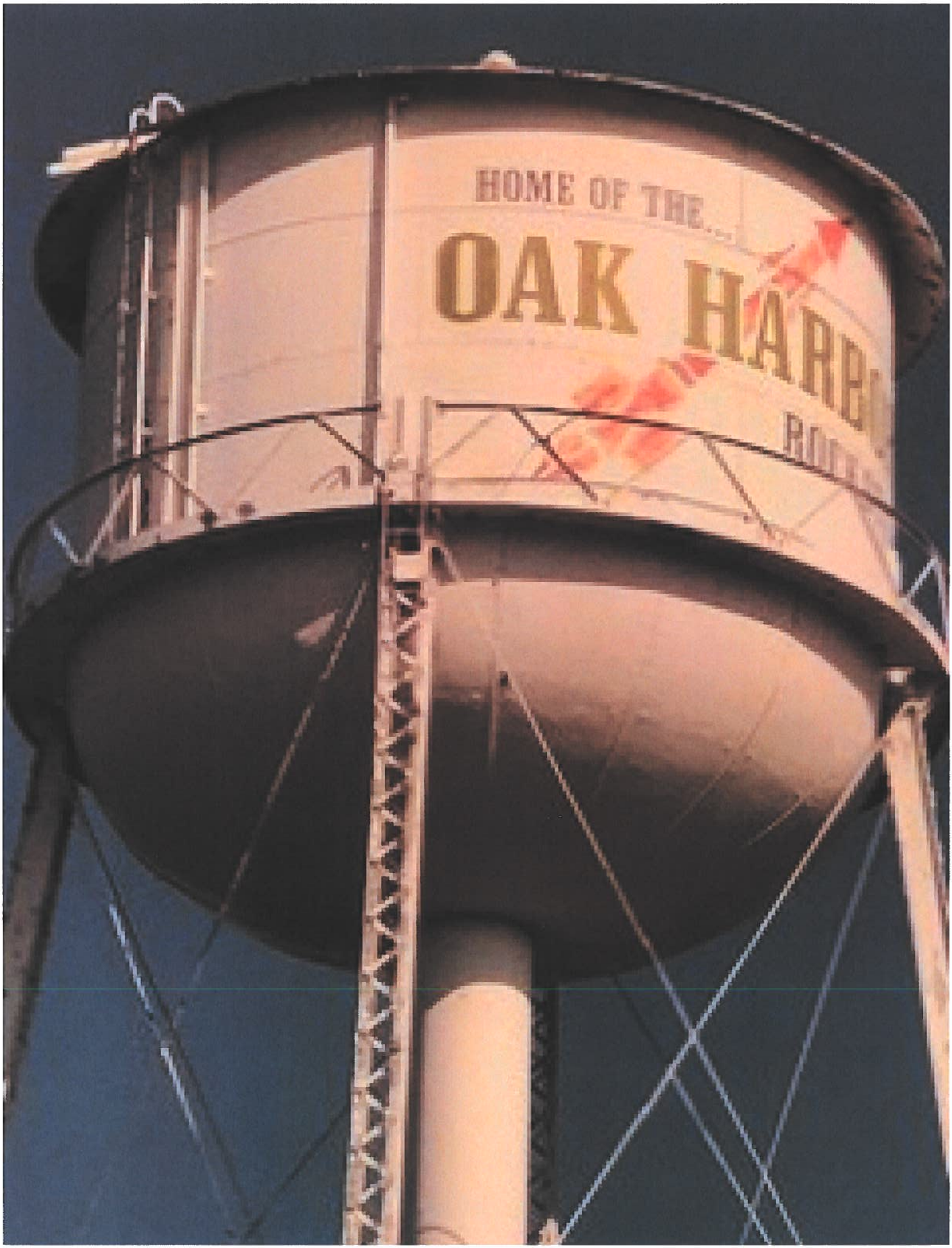


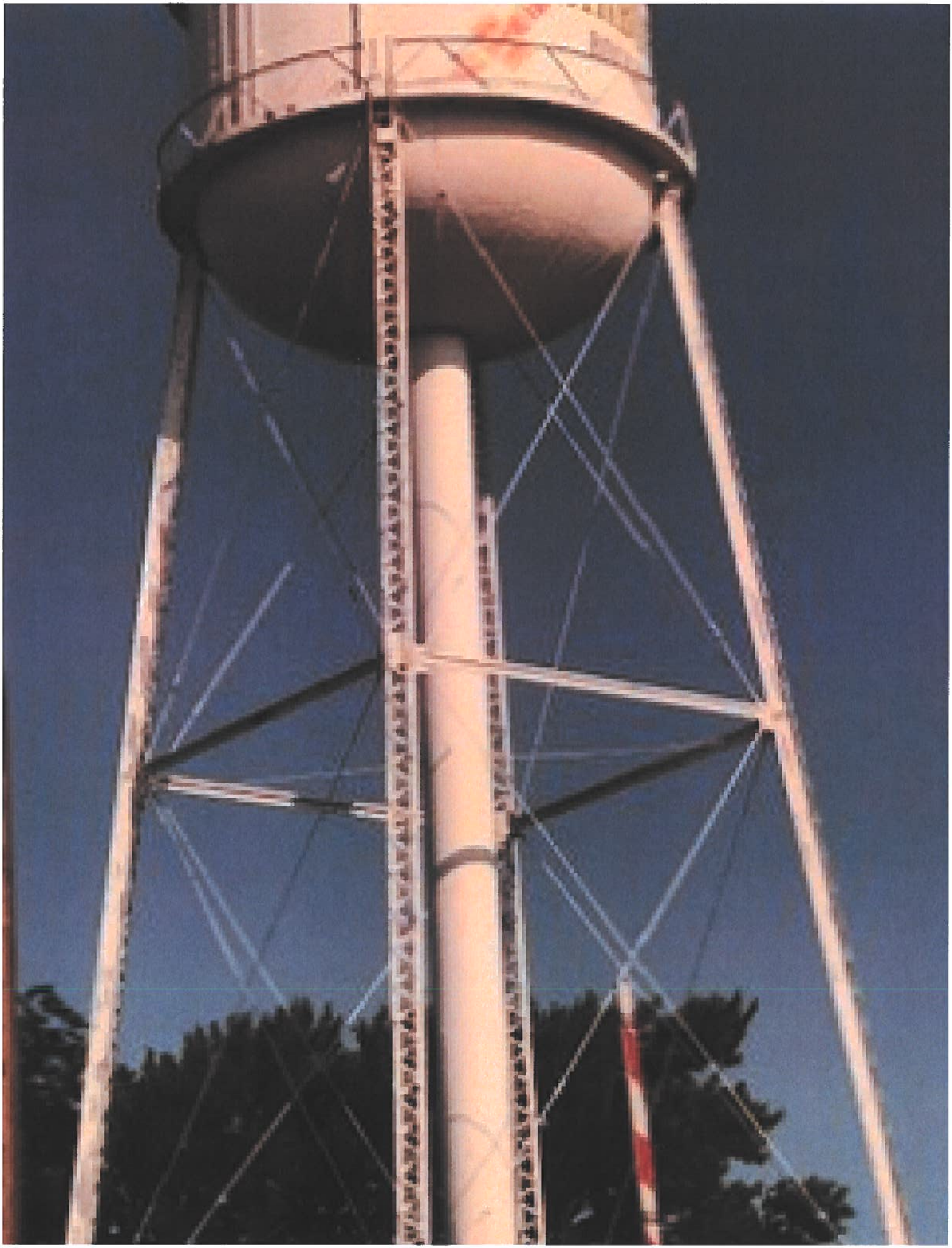

OAK HARBOR, OHIO
Main Street Elevated Tank
Legend
PROJECT LOCATION
PROJECT LOCATION
Bank St
Waldmeer Dr
Rawlings St
Jefferson St
W Washington St
Walnut St
E Walnut
Park St
Oak St
E Oak St
Center St
Ottawa St
W Ottawa St
E Ottawa St
E Main St
W Water St
E Water St
Oak Harbor
Prospect St
Portage St
Benton St
Maple St
N Maple St
S Maple St
Brooklyn St
Fink Rd
West Ave
Redhawk Run
Meadows Ln
Robinson Dr
Brookside Dr
163
105
19
Google Earth
©2018 Google
2000 ft
N


BOR




HK HARBOR
ROCKETS.


HOME OF THE...
OAK HARB



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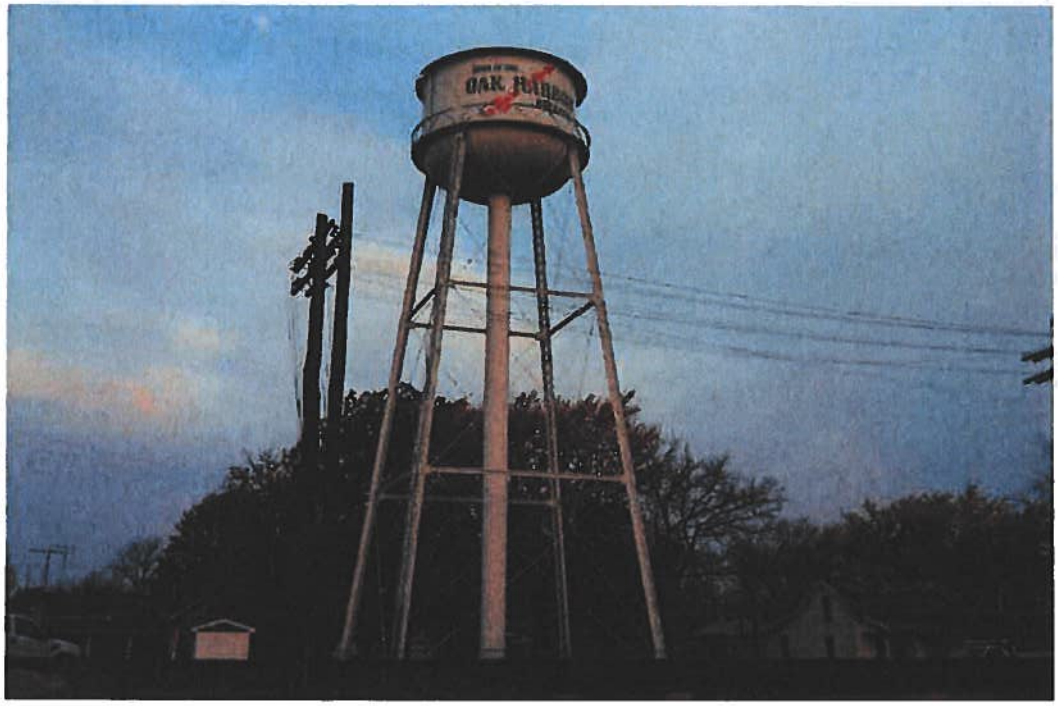
SINCE 1919



Village of Oak Harbor
146 Church Street
Oak Harbor, OH 43449
RE: Corner of Center St. & West Main St.
100,000 Gallon E.W.T.
October 26, 2010
Randy Genzman, Operations Manager
(419) 707-0904
Job No. 310391-A

If you would like to speak with Patrick Heltsley concerning this report, call (270) 826-9000, Ext. 253.
For additional copies of this report call (270) 826-9000 Ext. 253.

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Pittsburg Tank & Tower

Village of Oak Harbor, OH
100,000 Gallon E.W.T.

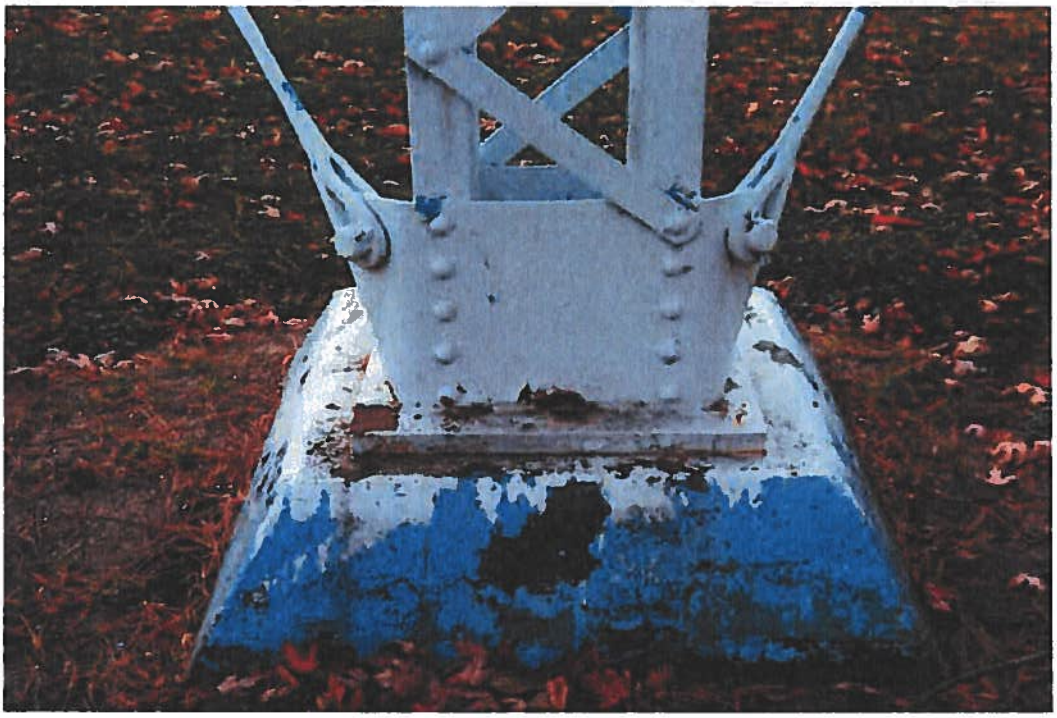

Photo shows the condition of the foundations. We recommend removing all dirt, debris and loose gravel from the foundation, repairing any cracks and spalling in the concrete with a commercial non-shrinking grout and sealing the foundation with a concrete sealant.

We also recommend the tank be electrically grounded for lightning protection as required by OSHA, (general duty clause)

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100,000 Gallon E.W.T.

Photo shows the condition of the anchor bolts. The structural integrity of the anchor bolts should be maintained to withstand 100 m.p.h. winds blowing from any direction as required by AWWA D100-05, Section 3.8: Foundation bolts. We recommend cleaning the area around the anchor bolts, then welding around the circumference of the bolt-to-nut and nut-to-base plate connections to reinforce.

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100,000 Gallon E.W.T.

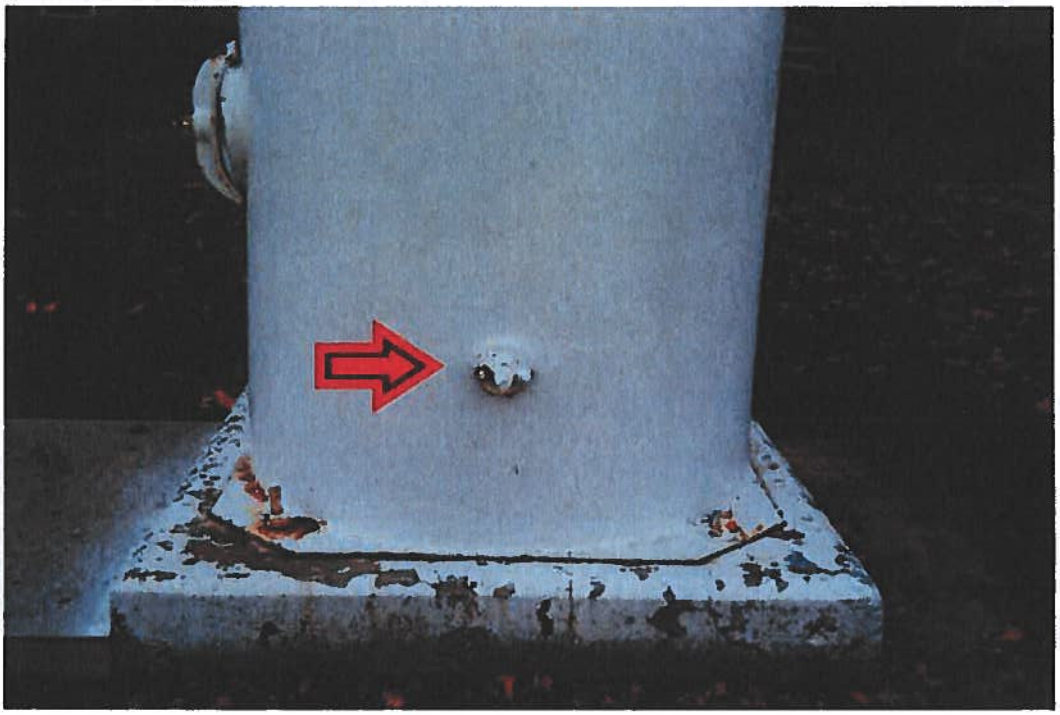

Photo shows the condition of the drain plug. We recommend replacing the existing drain plug with a frost proof drain valve, complete with a device for locking to prevent unauthorized draining of the tank and a splash pad to direct water away from the foundation as required by AWWA.

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100,000 Gallon E.W.T.

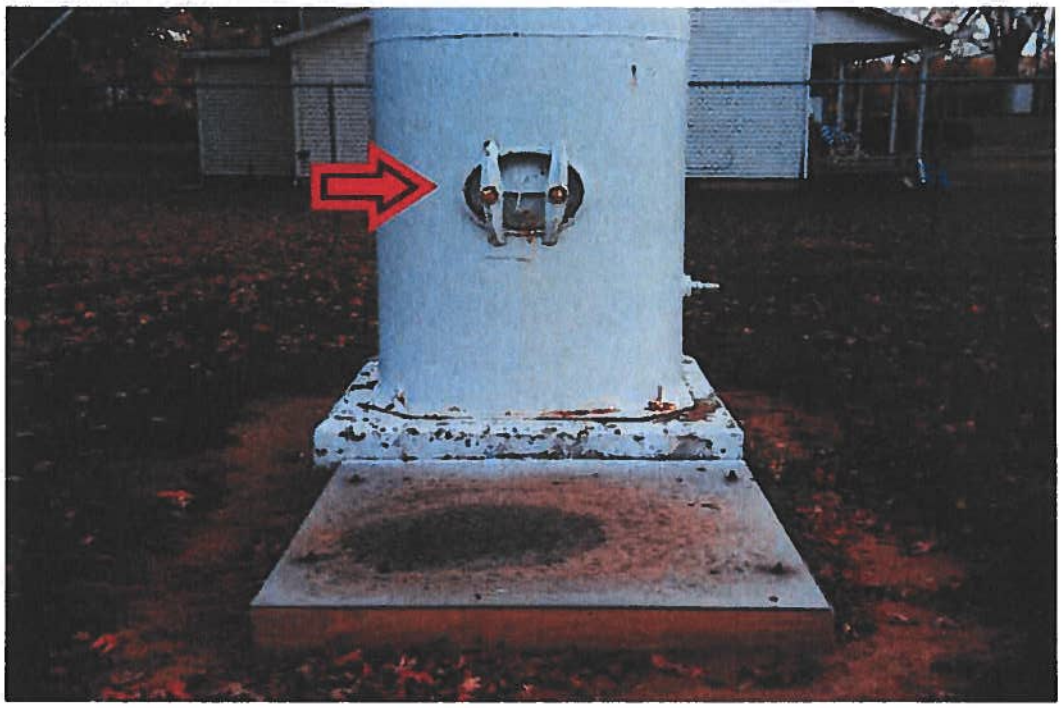

Photo shows the condition of the 13" x 16" riser manway. This manway would restrict entry in an emergency. We recommend replacing the existing riser manway with an AWWA D100-05, Section 7.1: Shell manholes, approved 24" manway, complete with davit arm and **Confined Space Entry** sign, as required by OSHA and maintenance free stainless steel bolts.

Photo shows the condition of the 4" overflow pipe. We recommend installing an AWWA approved flapper valve and screen on the overflow pipe to prevent the ingress of contaminants into the water supply, as required by AWWA D100-05, Section 12.6.1: Foundations.

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Village of Oak Harbor, OH
100,000 Gallon E.W.T.

Tower access ladder in above photo is not equipped with non-skid rungs. We recommend installing an OSHA approved tower access ladder complete with standoffs every 10' on centers, a cable type ladder safety device, an aluminum lockable ladder guard to prevent unauthorized access and posting a **Fall Protection Required** sign.

For adequate fall protection we have recommended a cable type fall arrest system.

Photo shows the lattice legs. We recommend installing climbing guards on all legs to prevent unauthorized access.

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Village of Oak Harbor, OH
100,000 Gallon E.W.T.

Photo shows the condition of the windage rods. The windage rods are designed to resist and stabilize the tower structure against wind and seismic loads combined with dead and live loads. The rods should withstand 100 m.p.h. winds blowing from any direction. **If the bracing remains loose, a sudden collapse could occur.** We recommend adjusting the windage rods and riser stay rods as needed, to withstand 100 m.p.h. winds blowing from any direction, as required by AWWA D100-05.
This should be done on an emergency basis.

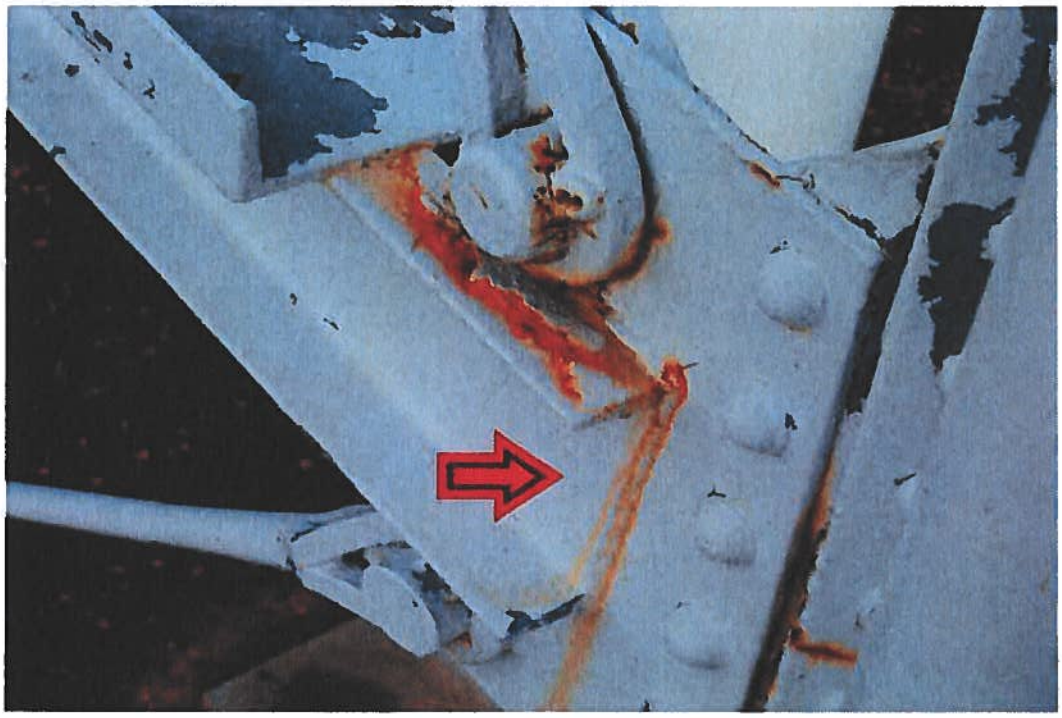

Photo shows the condition of the strut end connections. The strut ends appear to be in good condition.

Village of Oak Harbor, OH
100,000 Gallon E.W.T.

Photo shows the condition of the riser pipe and bowl. The connection appears to be in good condition.

Photo shows the condition of the existing handrail system. The handrail is only 36" high. We recommend raising the existing handrail system to the required 42" and install a midrail along with spring loaded swing gare, installing a stainless steel chain gate at the opening in the handrail at the junction of the tower access ladder and catwalk. This will give safer and easier access to the catwalk, as required by OSHA 1910.23.

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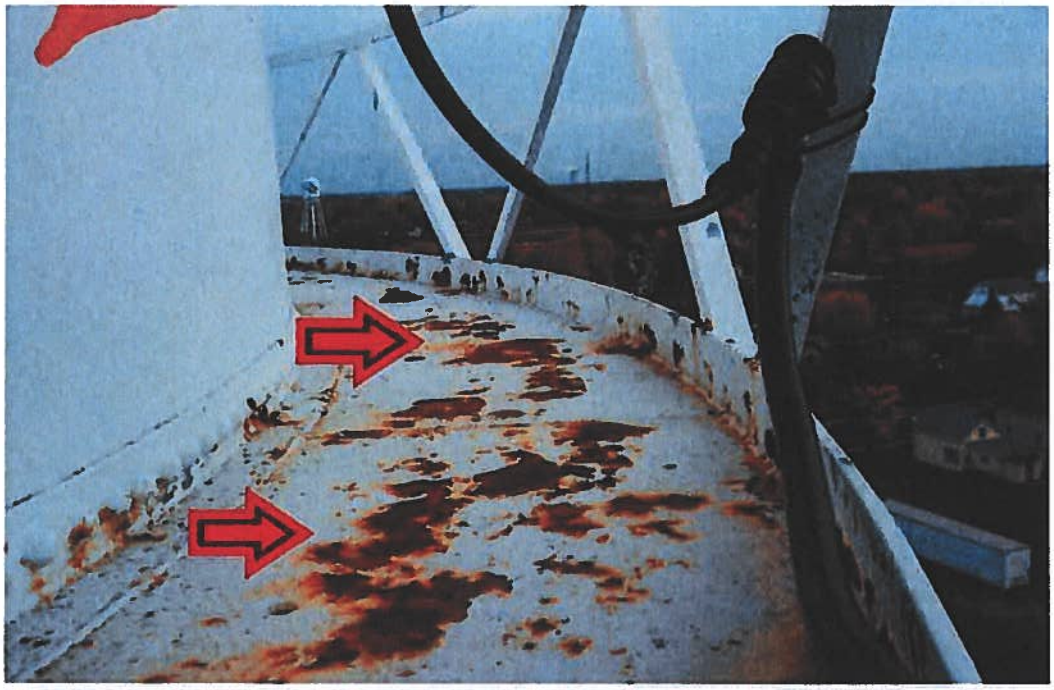
Village of Oak Harbor, OH
100,000 Gallon E.W.T.



Photos show the condition of the balcony floor. The arrows are pointing to show where water is ponding, causing deterioration of the paint and steel. We recommend drilling additional weep holes in the balcony floor to prevent ponding of water.

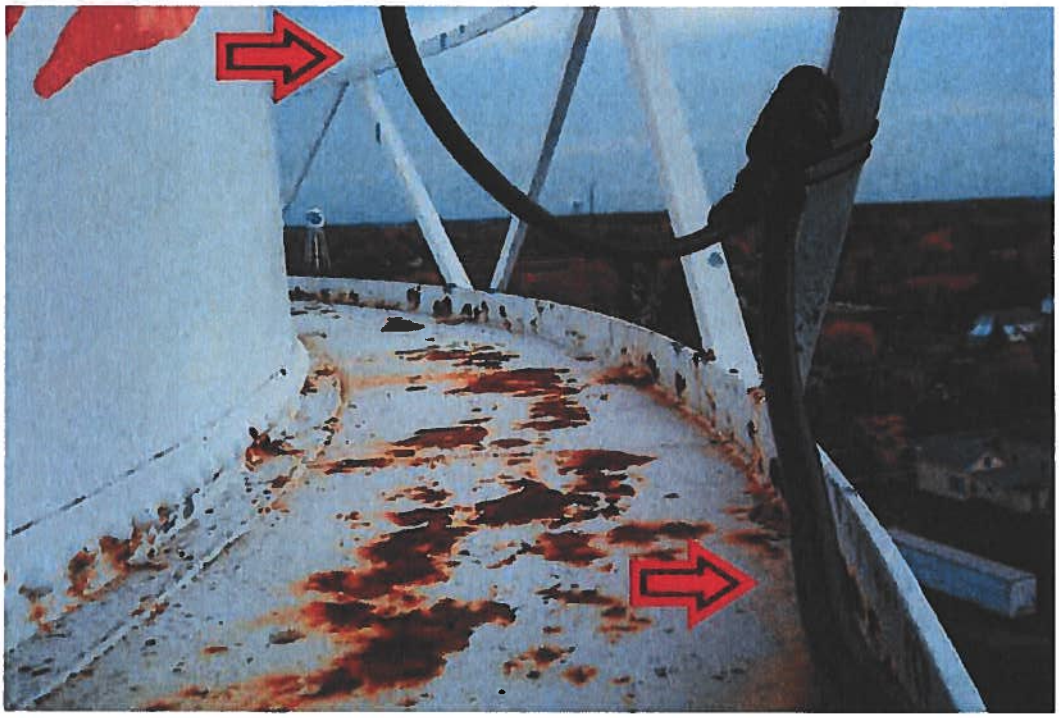


Photo shows the coax cables on the catwalk. The cables are a hazard. We recommend securing all wiring and cables to the tank in such a manner as to eliminate the safety and tripping hazard.

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Photo shows the condition of the tank shell. Shell manways installed on this tank will be in compliance with AWWA, NFPA 22 2003 13.6.2: Shell manholes, and OSHA 1910.36: General requirements.

We recommend :

Install 30" shell manway
Install 30" second shell manway 180° from primary manway
Post **Confined Space Entry** signs
Install interior bowl ladders
Install cable type ladder safety devices

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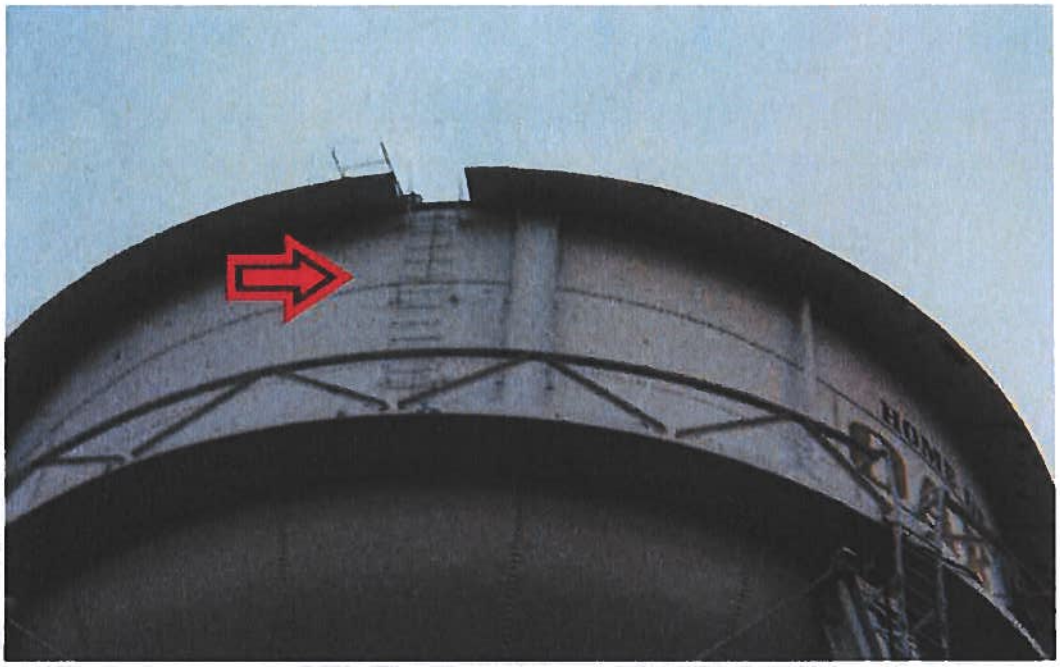
Village of Oak Harbor, OH
100,000 Gallon E.W.T.



Shell ladder in above photo is not equipped with non-skid rungs. We recommend installing an OSHA approved shell ladder complete with standoffs every 10' on centers and a cable type safety climb device.

For adequate fall protection we have recommended a cable type fall arrest system.

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100,000 Gallon E.W.T.

Photos show the roll-a-round roof ladder is not equipped with non-skid rungs. We recommend installing an OSHA approved roof ladder complete with standoffs every 10' on centers, a cable type ladder safety device.

For adequate fall protection we have recommended a cable type fall arrest system.

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Village of Oak Harbor, OH
100,000 Gallon E.W.T.

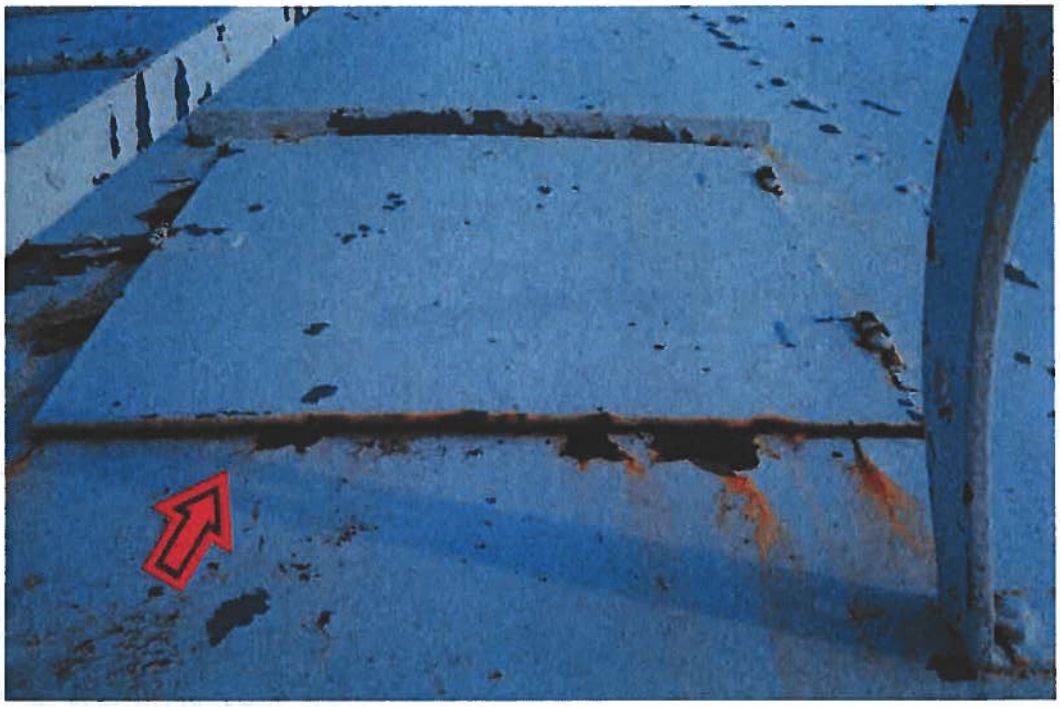

Photo shows the condition of the roof manway. This manway is allowing rainborne contaminants into the tank interior. Roof openings on this tank require the following to be in compliance with OSHA, AWWA D100-05, Section 7.6: Roof openings and NFPA 22 2003 Section 5.7.3 Roof hatch.

We recommend:

Replace existing roof manway with a 24" roof manway
Install second 24" roof opening 180° from primary manway
Post **Confined Space Entry** signs
Install handrails around all roof openings

(Note: Roof hatches must have a 4" curb and 2" overlapping cover.)

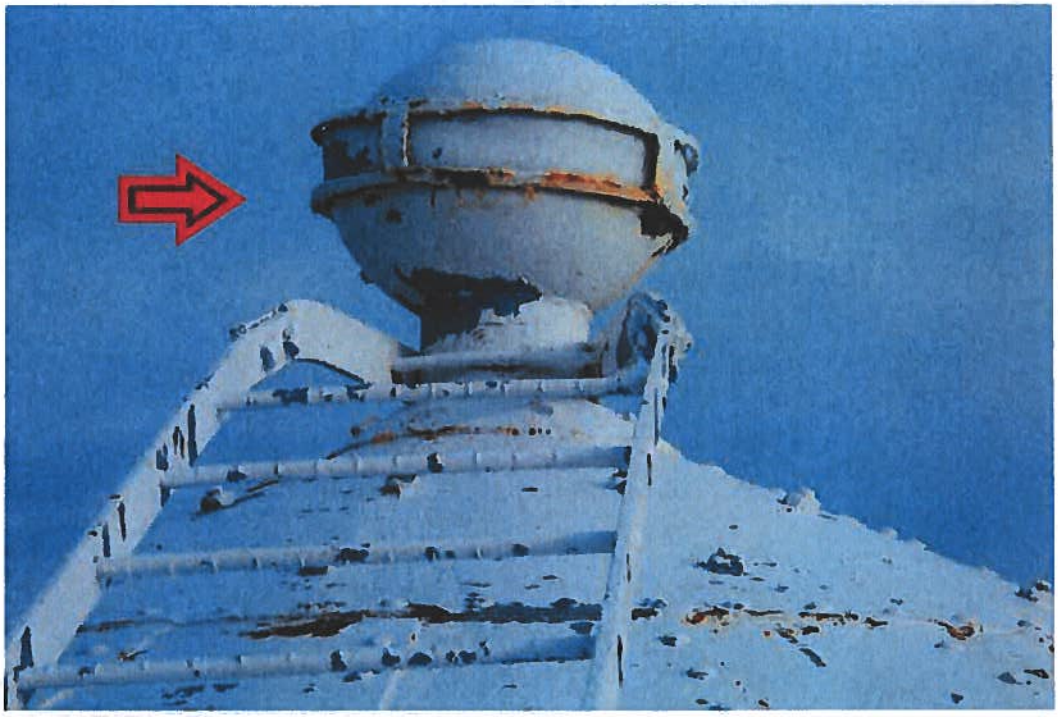

Photo shows the condition of the finial ball. A finial ball does not provide adequate ventilation. **An improperly vented tank may cause external pressure to act on the tank which can cause buckling even at low pressure differential.** We recommend replacing the finial ball with a vacuum/pressure vent and screen in compliance with OSHA, AWWA and NFPA 22 2003 4.15 Roof vent.

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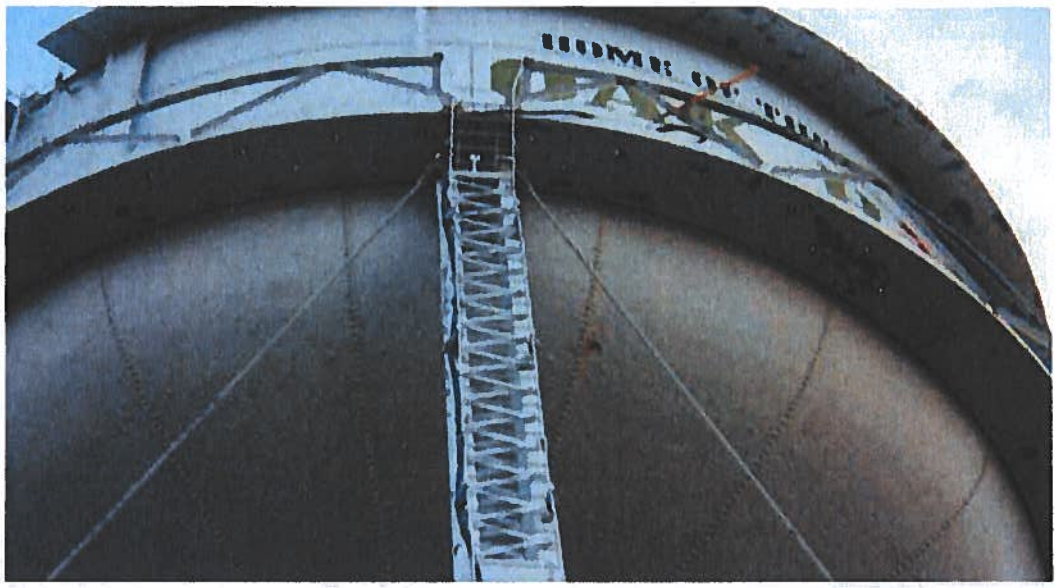
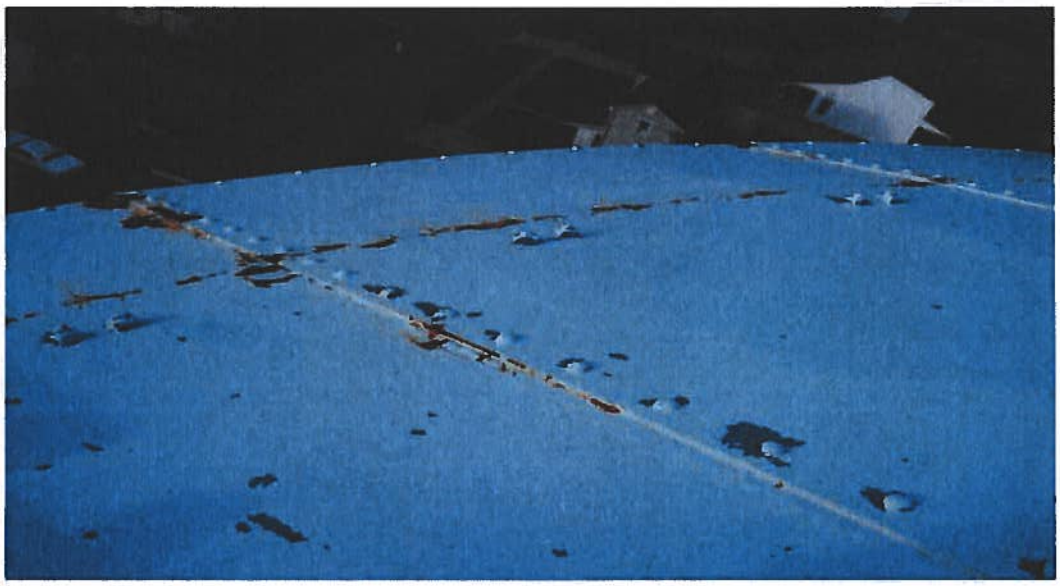
Village of Oak Harbor, OH
100,000 Gallon E.W.T.





Photos show the tank exterior coating system. We recommend pressure wash the tank exterior with biodegradable detergent injection (minimum 3,500 psi at 3.0 gpm) then remove all loose rust and scale with wire brushes and hand scrapers in accordance with SSPC#2 (hand tool cleaning), spot prime and apply one (1) finish coat of alkyd enamel.

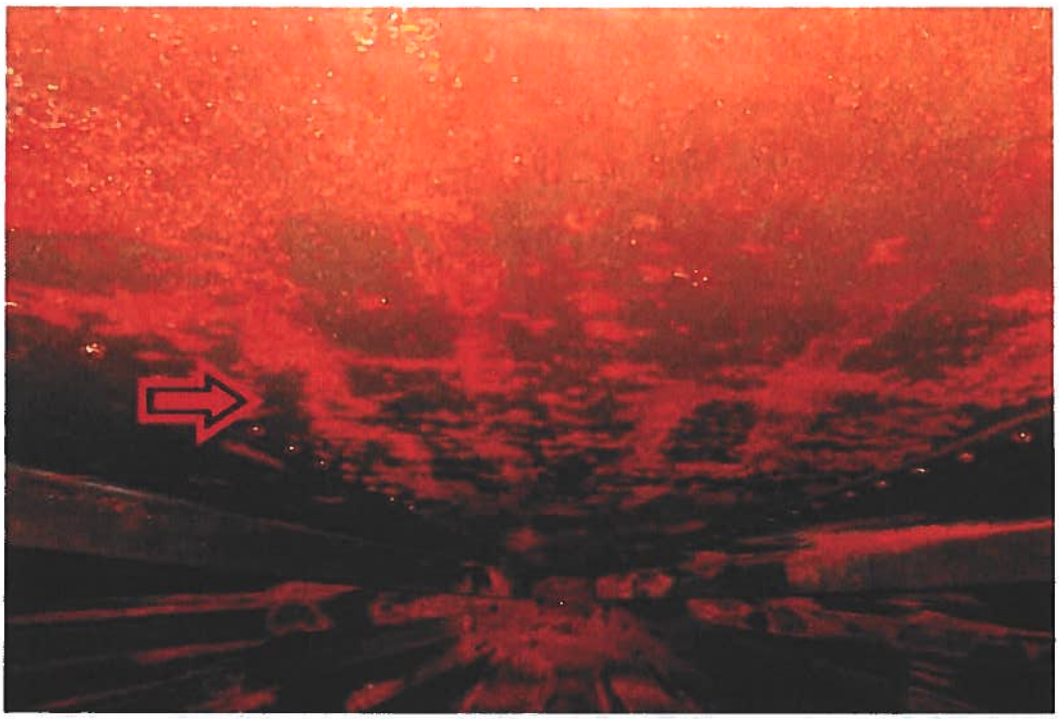


Photo shows the condition of the interior roof. Notice the rust forming at the roof lap seams. We recommend seam sealing using Sika-Flex #1A on all unwelded interior roof lap seams to prevent failure of a new interior liner.

Photo shows the condition of the interior roof-to-rim angle connection. We recommend remounting the roof using gusset plates approximately every 3' on center, then seam sealing using Sika-Flex #1A around the entire circumference of this connection to prevent failure of the interior liner.

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Village of Oak Harbor, OH
100,000 Gallon E.W.T.

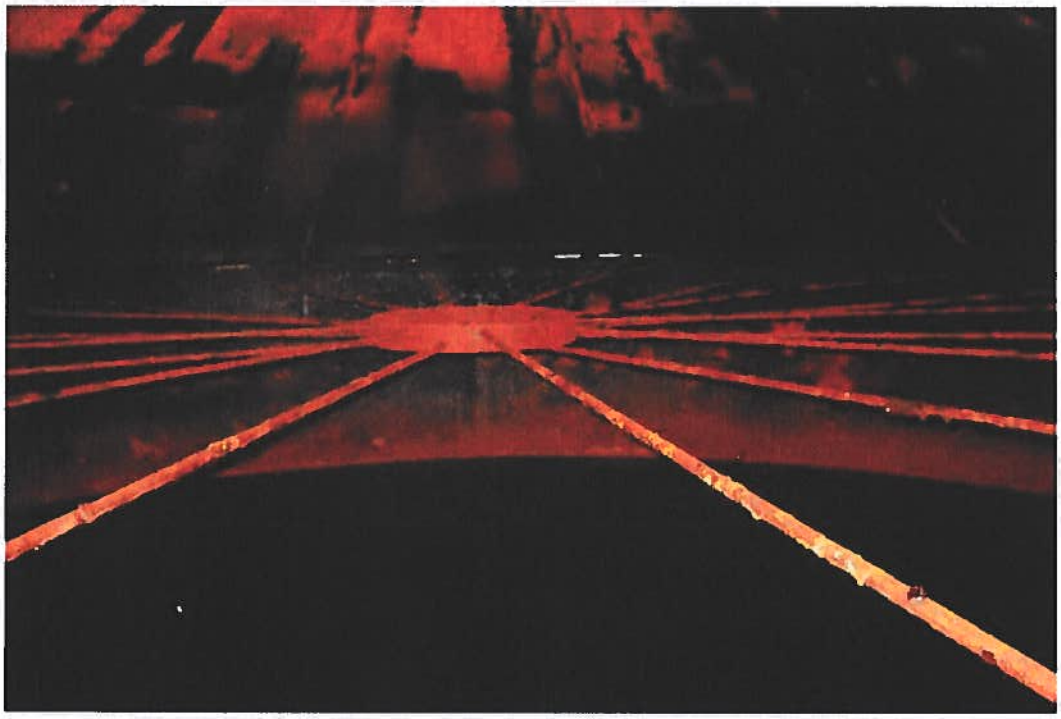


Photo shows the condition of spider rods and hub assembly. The assembly no longer affects the structural integrity of the tank, it is for erection purposes only. We recommend removing the spider rod assembly from the tank.

Village of Oak Harbor, OH
100,000 Gallon E.W.T.

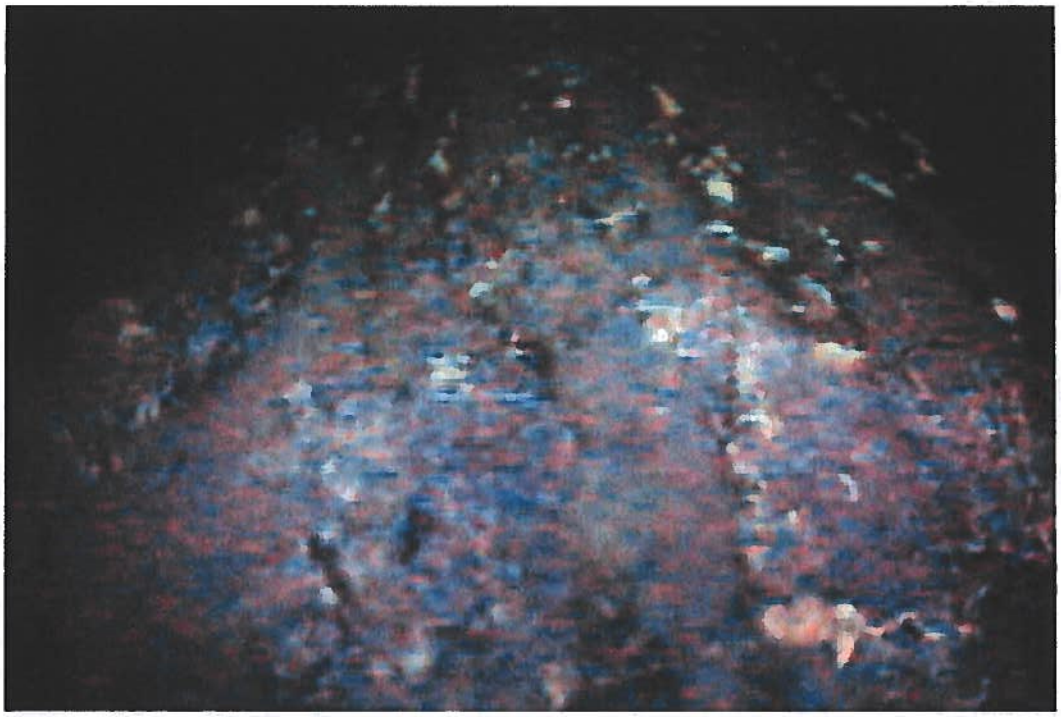


Photo shows sediment and debris in the tank. We recommend that cleaning be performed in order to prevent contamination issues associated with excessive sedimentation buildup.

We also recommend installing a passive cathodic protection system on the interior of the tank.

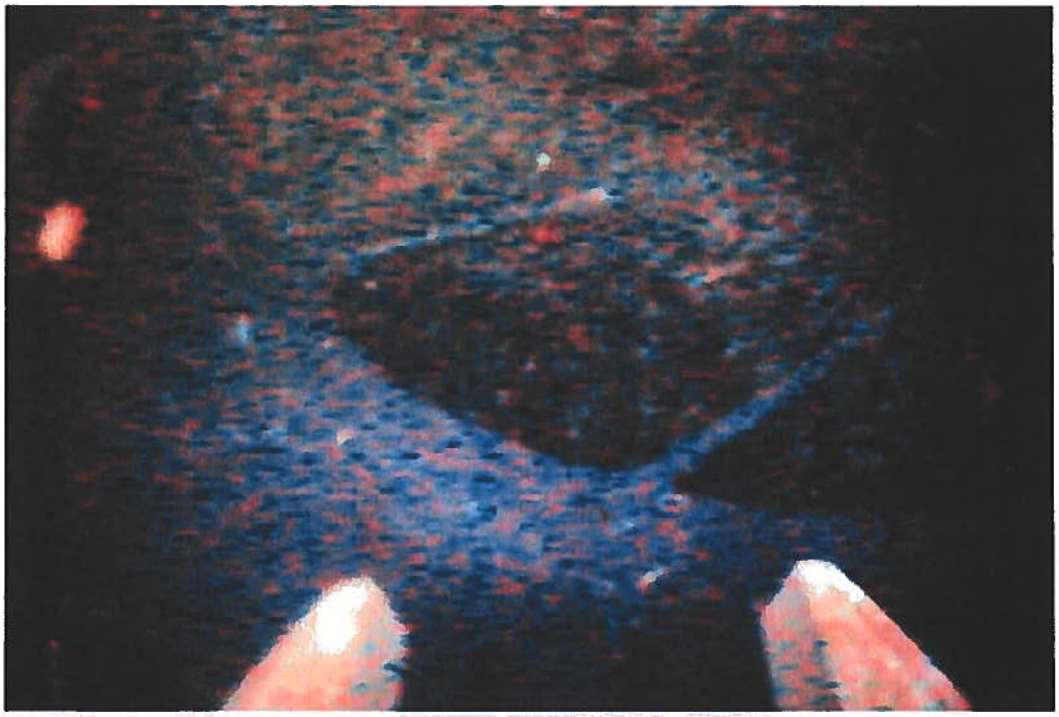
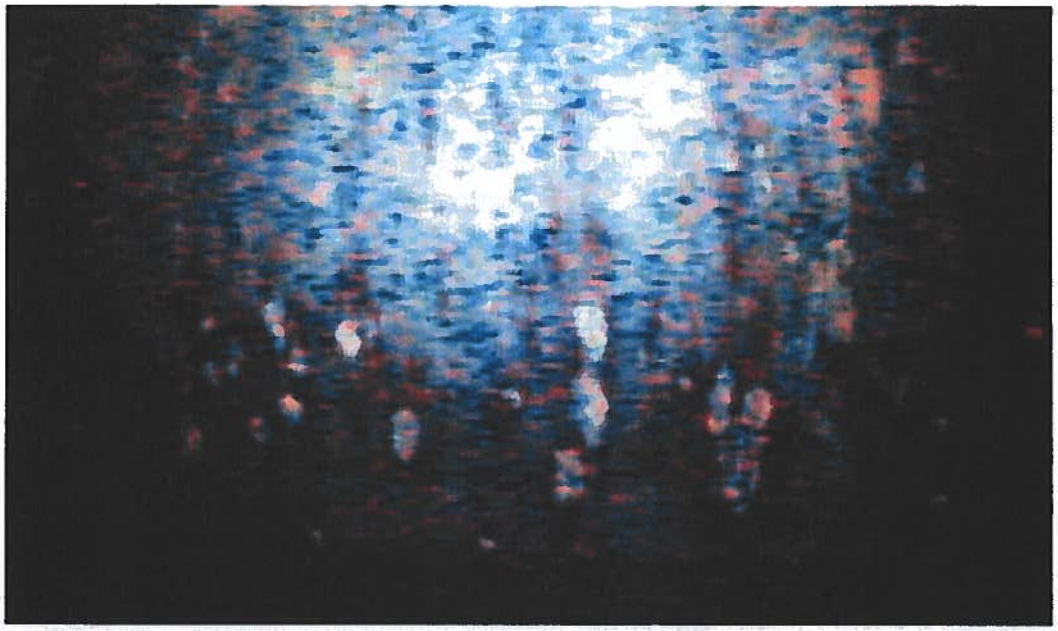
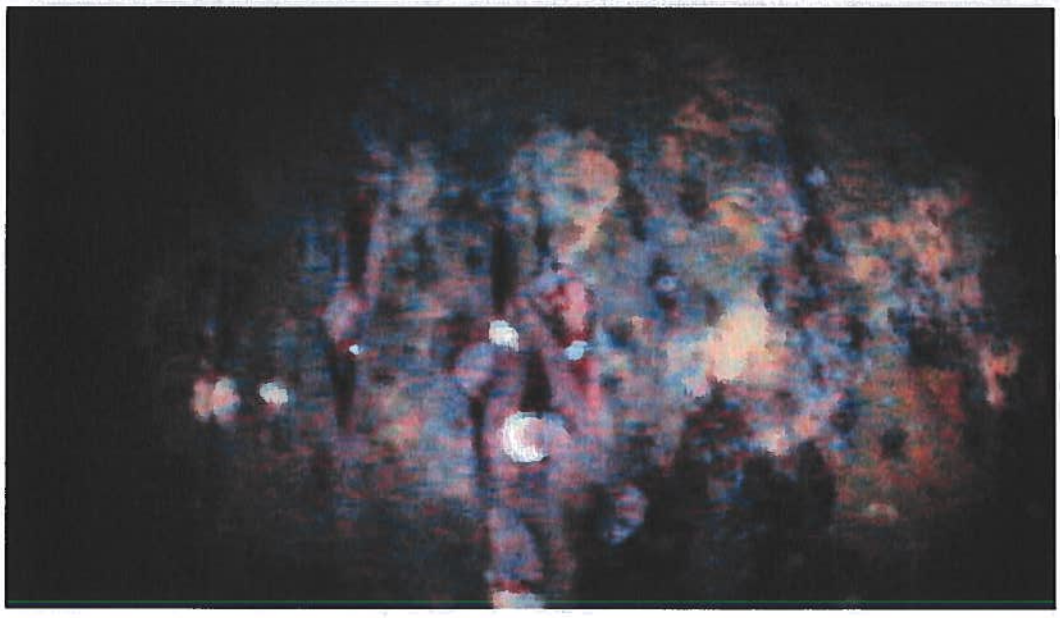


Photo shows the condition of the riser pipe opening. The riser opening is not equipped with a safety grating in accordance with AWWA and OSHA. We recommend installing an approved safety grating, designed for fall protection, over the riser opening, as required by OSHA 1910.23: and AWWA.

Village of Oak Harbor, OH
100,000 Gallon E.W.T.





Photos show the condition of the interior liner. We recommend sandblasting all rusted and abraded areas of the tank interior to an SSPC #10 (near white blast) condition, brushblast all remaining areas, stripe coating all seams and welds, then applying an epoxy liner to achieve 8-10 mils of dry film thickness.

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ELEVATED TANK INSPECTION REPORT

JOB NO: 310391-A DATE: 10/26/10 INSPECTOR: Tony McLevain

TANK OWNER: Village of Oak Harbor

OWNER'S REPRESENTATIVE: Randy Genzman TITLE: Operations Manager

E-MAIL ADDRESS: randyg@oakharbor.oh.us

MAILING ADDRESS: 146 Church Street, Oak Harbor, OH 43449

PHYSICAL ADDRESS: 146 Church Street, Oak Harbor, OH 43449

CITY/STATE: Oak Harbor, OH ZIP: 43449

COUNTY TANK IS LOCATED IN: Ottawa

TELEPHONE: (419) 707-0904 FAX:

LOCATION OF TANK: Corner of Center Street & West Main Street

Village of Oak Harbor
146 Church Street
Oak Harbor, OH 43449
October 26, 2010
Randy Genzman,
Operations Manager
(419) 707-0904

ORIGINAL CONTRACT NO: unknown YEAR BUILT: 1939

ORIGINAL MANUFACTURER: PDM CAPACITY: 100,000 Gallon

DATE OF LAST INSPECTION: unknown TYPE: Potable-Elevated

DIAMETER: 28'4" HIGH WATER LEVEL: 117' LOW WATER LVL: 90' HEAD RANGE: 28'

TYPE CONSTRUCTION: WELDED: RIVETED: X BOLTED:

ACCOUNT EXECUTIVE: Don Johston/ Vicky Caudill

WHO IS CUSTOMER'S INSURANCE CARRIER: unknown

SINCE 1919

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CODE UPDATES

ITEM	DEFICIENCIES	NOT APPLICABLE
Lightning Protection	X	
Riser Manway	X	
Confined Space Entry Signs	X	
Tower Access Ladder	X	
Safety Climb Devices	X	
Standoffs on 10' Centers		X
Handrails	X	
Safety Chain in Handrail Opening	X	
Screen on O'flow		X
Shell to Roof Ladder	X	
Vacuum Pressure Frost Proof Vent	X	
Roof Manway	X	
Handrails Around Roof Openings	X	
Safety Grating Over Riser	X	

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RECOMMENDATIONS

NUMBERS REFER TO PAGE NUMBERS
00. INDICATES THERE WAS NO PHOTOGRAPH AVAILABLE TO DEMONSTRATE

2. Repair any cracks and spalling in the concrete with a commercial non-shrinking grout and seal the foundations with a concrete sealant

   Electrically ground the tank for lightning protection

3. Clean the area around the anchor bolts, then weld around the circumference of the bolt-to-nut and nut-to-base plate connect-ions to reinforce

4. Replace existing drain plug with a frost proof drain valve, complete with locking device and a splash pad

5. Replace the existing riser manway with an AWWA, approved 24" manway, complete with davit arm, **Confined Space Entry** sign and maintenance free stainless steel bolts

6. Install an AWWA approved flapper valve and screen on the overflow pipe

7. Install AWWA and OSHA approved tower access ladder with stand-offs every 10' on centers
   Install a cable type ladder safety climb device
   Install an aluminum lockable ladder guard to prevent unauthorized access
   Post a **Fall Protection Required** sign

8. Install climbing guards on all legs

9. Adjust the windage rods and riser stay rods as needed, to withstand 100 m.p.h. winds blowing from any direction, as required by AWWA
   This should be done on an emergency basis.

12. Raise the existing handrail system to the required 42" and install a midrail along with spring loaded swing gare, installing a stainless steel chain gate at the opening in the handrail at the junction of the tower access ladder and catwalk

13. Drill additional weep holes in balcony floor

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RECOMMENDATIONS

NUMBERS REFER TO PAGE NUMBERS

14. Secure all wiring and cables to the tank to eliminate the safety and tripping hazard

15. Install 30" primary shell manway
Install 30" second shell manway 180° from primary manway
Post **Confined Space Entry** signs
Install interior bowl ladders
Install a cable type ladder safety climb devices.

16. Install an OSHA approved shell ladder complete with standoffs every 10' on centers and a cable type safety climb device

17. Install AWWA and OSHA approved shell/roof ladder with standoffs every 10' on center
Install a cable type ladder safety climb device

18. Replace existing roof manway with 24" manway
Install second 24" roof opening 180° from primary manway
Post **Confined Space Entry** signs
Install handrails around all roof openings

19. Replace the finial ball with a frost proof, vacuum/pressure, vent and screen

21. Seam seal all unwelded interior roof lap seams

22. Remount the roof using gusset plates approximately every 3' on center, then seam sealing using Sika-Flex #1A around the entire circumference of this connection

23. Remove the spider rod assembly from the tank

24. Clean tank out on an emergency basis

25. Install an approved safety grating

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RECOMMENDATIONS

NUMBERS REFER TO PAGE NUMBERS

20. EXTERIOR COATING SYSTEM: Pressure wash the tank exterior with biodegradable detergent injection (minimum 3,500 psi at 3.0 gpm) then remove all loose rust and scale with wire brushes and hand scrapers in accordance with SSPC#2 (hand tool cleaning), spot prime and apply one (1) finish coat of alkyd enamel

26. INTERIOR COATING SYSTEM: Sandblast all rusted and abraded areas of the tank interior to SSPC #10 (near white blast) condition, brushblast all remaining areas, stripe coat all seams and welds, then apply an epoxy liner to achieve 8-10 mils dry film thickness

ALTERNATE INTERIOR COATING SYSTEM: Pressure wash the tank interior @ 3,500 p.s.i., remove all loose rust and scale with wire brushes and hand scrapers in accordance with SSPC#2 (hand tool cleaning) then apply one (1) coat of Cosmoline

QUOTE TO DISMANTLE: Dismantle 100,000 gallon elevated water tank, material to become property of PT&T, price does not include lead abatement

Pittsburg Tank & Tower can perform all work recommended in this report.

BASED ON THE NUMBER OF ITEMS ACCEPTED, PRICES MAY VARY.
All prices are in USD
If union labor or prevailing wage is required please advise
For additional copies of this inspection report call (270) 826-9000, Ext. 253.

The inspection report and comments reflect the general condition of the tank. However, we can not guarantee that additional deficiencies may not become apparent during the cleaning, repair or paint process of the tank.

The handling, removal and/or disposal of hazardous or contaminated materials such as asbestos, lead, chemical or any like substance that requires special handling is not included in the price submitted for work herein. Paint prices do not include logo, lead abatement or containment.

SINCE 1919

PITTSBURG TANK & TOWER CO., INC. ®

P.O. Box 913 Henderson, KY 42419-0913 * TEL (270) 826-9000 * FAX (270) 827 4417
PAINT*REPAIR*DISMANTLE*INSPECT*TANKS RAISED, LOWERED AND MOVED*NEW & USED

TESTS

Mil-T Paint Thickness Test

		19.1	15.1	
Roof		12.7	9.8	
ring 4				
ring 3				
ring 2				
ring 1	5.8	6.2	8.1	7.9

Ultrasonic Metal Thickness Test

		0.218	0.197	
Roof		0.208	0.238	
ring 4				
ring 3				
ring 2				
ring 1	0.234	0.327	0.304	0.284

NTEC
Nelson Tank Engineering
& Consulting, Inc.
16240 National Parkway
Lansing, MI 48906

VILLAGE OF OAK HARBOR
MAINTENANCE INSPECTION
100,000 GALLON
ELEVATED TANK

DATE: APRIL 18, 2012

Phone: 517-321-1692 • Fax: 517-321-4405 • E-Mail: NTECKeith@tds.net

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SUMMARY

Pittsburgh DesMoines constructed the tank in 1939. The tank is a cone roof design constructed with an estimated height to low water line of 92 feet. It is supported by four double lattice columns and central riser of riveted and welded construction. The internal water-containing structure is not equipped with a cathodic protection system.

The tank has been damaged by aggressive internal corrosion. Pitting and vertical striations have attacked the surfaces below the water line. The interior coating is a wax coating that has completely failed. The exterior coating is a multiple coat alkyd system that is in poor condition. Intercoat delamination is apparent along the majority of surfaces. Both coating systems contain lead in the primer coats.

The tank requires extensive rehabilitation to ensure the structural integrity is maintained and the appurtenances are in working order. In addition, the interior and exterior coatings require removal and replacement. Lead abatement will be encountered during replacement of the interior and exterior coatings.

NTEC recommends a survey of the water distribution system. The survey should focus on the system demand, required flow and reserve capacity required for fire protection. A civil engineering design consultant provides these services. The survey would determine the optimum storage capacity for the current and future demand. It is possible that the existing tank may be considered obsolete due to its size, height or location within the distribution network. In this case, the consultant would provide recommendations sizing of a new tank and distribution system modifications.

Immediate Repairs:

Item	Recommended Repair	Estimated Cost
1	Patch holes in upper sidewalls	$2,800
2	Install new vent and attach ladder	$4,800
3	Install new roof hatch	$4,200

Replacement costs:

Item	Recommended Repair	Estimated Cost
1	100,000 Gallon Elevated Tank	$480,000- $540,000
2	200,000 Gallon Elevated Tank	$625,000- $680,000

INTRODUCTION

Nelson Tank Engineering & Consulting, Inc. (NTEC) conducted a maintenance inspection on the 100,000-gallon elevated water storage tank owned by the Village of Oak Harbor. The inspection consisted of an evaluation of the structural condition of the tank and appurtenances, a review of the coatings' condition and an evaluation of potential environmental, health and safety concerns. Keith Nelson, PE and Ray Otberg, field technician completed the inspection on April 3, 2012. Randy Genzman, Water Superintendent, scheduled the inspection. The village provided personnel for assistance to expedite the inspection.

The tank was drained prior to the inspector's arrival. NTEC provided the pump and sprayer to perform the cleaning of interior surfaces and removal of sediments. Upon completion of the inspection, the tank was chlorinated per AWWA C652-92 method # 2 using calcium hypochlorite. Bacteriological sampling and testing were performed by the Owner.

The inspection consists primarily of a visual observation of the condition of the tank, appurtenances, coatings and exposed foundations. The inspection was conducted in accordance with a combination of AWWA D101 methods and procedures developed by NTEC. Coatings are reviewed for percent intact based upon Steel Structures Painting Council (SSPC) visual standards. Coatings are reviewed for signs of failure that include but are not limited to: lifting, delaminating, cracking, blistering. Defects, such as overspray, runs and sags, are discussed when they are determined remarkable.

The tank and appurtenances are reviewed for visual signs of corrosion or structural damage. Corrosion damage is evaluated by visual observations and by using depth gauges or calipers wherever possible. Ultrasonic testing is only used in instances where the original plate thickness cannot be established. Estimates of internal pitting are prepared for each of the individual locations (i.e. roof, sidewall, bowl and riser) by selecting a representative area within each location. The estimate for total pitting within each location is then extrapolated from the representative area.

Environmental testing is performed on coatings only when uncertainty exists. Testing, therefore, is not performed on epoxy or polyurethane coating systems. Samples are analyzed to determine the presence of the metals (lead, chromium and cadmium) in the coating system. Samples are collected by removing coating from the steel substrate. The reliability of the results is highly dependent upon sampling techniques. Variations in accuracy may be caused by difficulties in removing all the primer, multiple coating systems and variations in dry film thickness.

Estimates of probable costs are provided within the recommendations and summary of this report for the construction year reported. Probable costs are based upon the competitive bidding prices for construction costs only and do not include engineering

costs. Construction costs are evaluated for prices received in the past year for similar work plus inflation for one year.

Estimates consider the method of surface preparation, applied coatings, surface area, complexity and location of the structure and environmental compliance requirements. Estimates do not consider variations imposed by market factors, revisions in the scope of work, work performed with restricted schedules or projects scheduled in low temperature seasons.

EVALUATION

INTERIOR

The tank is lined with a wax system that is in poor condition with widespread failure. The following is a description of the classifications of the remaining intact coating along with notable defects or the presence of corrosion.

The wax coating remains 10 percent intact along the roof. The vast majority of the coating has sloughed off leaving the red lead primer exposed. Some wax remains on the spider and bull ring.

The wax coating remains 5 percent intact along the sidewall, bowl and riser. The remaining wax is more of a film than the thicker consistency normally encountered. The lower seams (riveted) in the sidewall and bowl were coated with what appears to be a mastic coating. This was likely performed when the lower rivets were welded.

The tank's interior steel plating is in poor condition. Corrosion has resulted where the coating system deteriorated. Damage to the interior tank has been severe. Corrosion has, generally, been more aggressive below the water line along the sidewalls, bowl and riser. Rivet welding was conducted along the bowl and lower sidewall. The seams were coated with an unknown material.

Above the water line, corrosion is a surface rust and light scale occurring where the coating has deteriorated or the film thickness is minimal. Steel losses due to corrosion have been relatively insignificant.

Pitting has occurred in concentrated patterns below the water line. The pitting was observed along the sidewall, bowl and riser. Pitting is widespread and of varying depths. Several pits exceeded one half the steel plate thickness. Vertical striations were apparent along the lower sidewalls and upper bowl. For individual pit estimates refer to the field inspection report form.

EXTERIOR

The tank's exterior is coated with an aluminum alkyd system which has been over coated with what appears to be an acrylic system. Several minor defects were observed in varying locations. The following is a description of the classifications of the remaining intact coating along with notable defects or the presence of corrosion.

The coating is in fair to poor condition with intermittent signs of failure. The coating has poor adhesion with intermittent areas of lifting or delamination. It remains over 95 percent intact along the columns, struts and riser. Intercoat delamination is occurring along the struts. The topcoat is lifting from the aluminum coating, especially on the top

side of the struts within the channel. Similar issues were observed along the columns and lattice.

The coating remains over 98 percent intact along the bowl and sidewalls. Small areas of cracking and lifting were observed. The coating is brittle and lifting along the edges. The coating is 70 percent intact along the roof. Intercoat delamination is apparent with the topcoat lifting. The entire coating system is lifting exposing the steel. Some of this damage was caused by the trolley wheels for the revolving roof ladder.

The coating's adhesion was tested using an X pattern adhesion method. This is a modified version of the ASTM D3359 and as a result does not replicate the same results as the ASTM. This modified test method is used by NTEC to determine the coating's overall adhesion and cohesion. NTEC uses this method for evaluation of coating systems for repair. When results indicate good adhesion, coatings may be top coated with compatible coating systems. Similarly, results indicating poor adhesion should not be top coated. The test, although important, is only one of the variables used to assess the coating's ability to be top coated. Other variables include but are not limited to: the generic type of coating, the age of the coating, number of coats, percent intact, presence of defects or failure and dry film thickness.

The method consists of cutting an X pattern in the painted surface using a guide. Pressure sensitive tape is applied to the scribed area and then removed. The remaining pattern is evaluated by comparison with descriptions from 0A to 5A. 0A represents greater than 65% removal of the coating and 5A represents fully intact coating.

Tests were performed on the roof, lower columns and the lower riser. The following represents the classifications observed:

1. Roof 0A
2. Columns 0A
3. Riser 0A

The tank is supported by four tubular columns and the central riser. Sway rods, positioned diagonally between the column bays, are tension members designed to resist lateral loads from either wind or earthquakes. The rods and turnbuckles were inspected for corrosion damage and proper tension. The rods and pinned ends have no significant corrosion damage with only minor surface rust noted. The rods in all 3 bays are of adequate tension.

The appurtenances include ladders, overflow pipe, vent, balcony, hatches. The ladders are located along the column, sidewall and roof. The ladders along the column and sidewall are fixed. The roof has a rotating ladder attached to the finial vent. The ladders are in good condition with no significant corrosion damage observed. The ladders do not contain fall prevention.

The overflow pipe and support bracing are in good condition. There was no evidence of significant external corrosion. The base of the overflow pipe has a rubber type check valve to prevent contamination. The valve remains intact and in good condition.

The vent is an finial design located at the center of the roof. The roof ladder revolves around the finial. The finial is in poor condition. It has a customized screen that has left openings into the tank.

The tank contains two hatches: one on the roof and a compression manway in the riser. The roof hatch is in poor condition with the hinges for the cover broken. The design does not have a curb, other than the upper side, to prevent water from entering into the tank. The lower manway is compression fit from the interior. The hatch is relatively small, 12 X 16 inch, with an internal gasket. The gasket is in fair condition.

Holes were cut in the upper sidewall just below the roof in a few locations. This was, apparently, performed to allow rigging cables for internal repairs. These holes are large enough to allow potential contamination to occur.

The exposed concrete footings were visually inspected for deterioration, undermining and root encroachment. The footings are in good condition with no significant areas of deterioration. Scale corrosion was attacking several of the anchor bolt nuts. Steel loss was estimated at 5 to 15 percent.

RECOMMENDATIONS

IMMEDIATE

NTEC recommends installation of a new vent in the center of the roof. The existing finial ball vent has severe corrosion and has openings into the tank. The new vent would be a frost free design with screened openings. The estimated cost to furnish and install the vent is $4,800. The revolving ladder would have to be welded into a fixed position.

We recommend installation of a new hatch in place of the existing. The new hatch would have a 4 inch ring and a overlapping cover to prevent contamination from entering. The estimated cost to furnish and install the vent is $4200.

NTEC recommends patching the openings at the upper sidewalls. The patching will prevent potential sources of contamination from entering the tank. The estimated cost is $2,800.

FIELD REPORT FORM

I. GENERAL

OWNER:	Village of Oak Harbor	DATE:	March 28, 2012
ADDRESS:	≈ 149 Center Street	HEIGHT:	≈ 92' LWL
TANK SIZE:	100,000	CONSTRUCTION:	Riveted/Welded Riser
TANK DESIGN:	Cone Roof	LETTERING:	Home of... Oak Harbor (X2)
MANUFACTURE:	PDM	LOGO:	Rocket (X2)
ERECTION DATE:	1939	COLOR:	White
ENGINEER INSP:	Keith Nelson	ASST INSP:	Ray Otberg

II. CONTROLS

CONTROL LOCATION:	Dog House	BRAND:	Chessell
TELEMETERED:	No	RADIO TRANS:	Yes
HEATED:	Yes	INSULATED:	No
CATHODIC PROTECTION:	No	MANUFACTURE:	--
RECTIFIER (MAN, AUTO):	--	OPERATIONAL:	--
ANODE DESIGN:	--	CONFIGURATION:	--

III. VALVE VAULT

VAULT CONDITION:	Good	HEATED:	Yes
INSULATED:	No	WATER SEEPAGE:	No
PIPING CONDITION:	Good	COATING INTACT:	99.999
EXPANSION JOINT TYPE:	No	CONDITION	--
ALTITUDE VALVE:	No	CONDITION:	--

IV. FOUNDATION

CONDITION OF CONCRETE:	Good
ANY APPARENT SETTLEMENT:	No
SOIL EROSION OR LACK OF COVER:	No
CRACKS:	Minor-Surface
DELAMINATION:	No
SPALLING:	No
AGGREGATE EXPOSED:	No
CONDITION OF GROUT:	N/A
CONDITION OF BASE PLATES:	Good
CONDITION OF ANCHOR BOLTS:	Fair. ≈ 5-10% steel loss on nuts.
SHRUBS ENCROACHING:	No

V. EXISTING COATING HISTORY

SURFACE	DATE	PAINT SYSTEM	MANUFACTURE	CONTRACTOR
INTERIOR:		Wax		
EXTERIOR:		Acrylic/Alum Alkyd		

VI. EXTERIOR CONDITIONS

A. RISER

NUMBER OF SECTIONS:	11 1/2
GENERAL CONDITION OF COATING:	Poor-Fair
PERCENT TOPCOAT INTACT:	99.999%
PERCENT INTERMEDIATE/ PRIMER INTACT:	99.999%
CONDITION OF INSULATION/FROST JACKET:	N/A
RISER TIE BANDS:	N/A
COMMENTS:	Top coat is brittle with 0B adhesion. Staining from an apparent leak at welds seam. Appears riser is not original.

B. COLUMNS

DESIGN:	Double lattice
NUMBER OF COLUMNS:	4
GENERAL CONDITION OF COATING:	Poor
PERCENT TOPCOAT INTACT:	85%
PERCENT INTERMEDIATE/PRIMER INTACT:	99.99%
COMMENTS:	Top coat is brittle and delaminating. 0B Adhesion.

C. STRUTS

DESIGN:	Perpendicular channel
CONDITION OF CONNECTIONS:	Good
GENERAL CONDITION OF COATING:	Poor
PERCENT TOPCOAT INTACT:	50%
PERCENT INTERMEDIATE/PRIMER INTACT :	99.99%
COMMENTS:	Top coat is brittle. Topcoat lifting.

D. SWAY RODS

CONDITION OF PINS:	Good
PERCENT STEEL LOSS:	< 1%

SWAY ROD LOCATION (CLOCKWISE FROM LADDER)																
BAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1 (TOP)	T	T	T	T	T	T	T	T								
2	T	T	T	T	T	T	T	T								
3	T	T	T	T	T	T	T	T								

E. BOWL

DESIGN:	Ellipse
NUMBER OF SECTIONS:	16
GENERAL CONDITION OF COATING:	Fair-Poor
PERCENT TOPCOAT INTACT:	99%
PERCENT INTERMEDIATE/PRIMER INTACT:	99.99%
COMMENTS:	Top coat is brittle. Coating remains somewhat protected from elements by sidewall balcony.

F. SIDEWALLS

NUMBER OF SHELL SECTIONS:	3
GENERAL CONDITION OF COATING:	Poor
PERCENT TOPCOAT INTACT:	98%
PERCENT INTERMEDIATE/PRIMER INTACT:	99%
COMMENTS:	Top coat is brittle. Coating, also, is delaminating to substrate in several locations.

G. SIDEWALL BALCONY

CONDITION OF CONNECTIONS:	Good
GENERAL CONDITION OF COATING:	Poor
PERCENT TOPCOAT INTACT:	70%
PERCENT INTERMEDIATE/PRIMER INTACT:	95%
CORROSION PRESENT:	Yes
DEGEE OF CORROSION:	Surface
ACCUMULATED DEBRIS:	No

HEIGHT:	36"

H. ROOF

DESIGN:	Cone
GENERAL CONDITION OF COATING:	Poor
PERCENT TOPCOAT INTACT:	85%
PERCENT INTERMEDIATE/PRIMER INTACT:	99%
COMMENTS:	Top coat is brittle and lifting in several locations. 0B Adhesion. Coating has lifted to substrate where ladder wheels rub outer roof.

I. ACCESSORIES

LADDER CONDITION:	Good	FALL PREVENTION:	None
CAGED:	--	IF YES, WHERE:	--
SHELL LADDER FIXED:	Yes	ROOF LADDER FIXED:	No
OVERFLOW PIPE SIZE:	4"	CONDITION:	Good
SCREENED:	Rubber check gasket.	CONDITION:	Good
STUB:	No	GROUND LEVEL:	Yes
SHELL MANWAY SIZE	--	GASKET CONDITION:	--
RISER MANWAY SIZE:	12" x 16"	GASKET CONDITION:	Fair
MUD VALVE:	No	SIZE:	--
CONDITION OF VENT:	Fair	DESIGN:	Final ball
SCREENED:	Yes	CONDITION:	Fair
CATHODIC CAPS:	No	MISSING OR SLIPPED:	--
ROOF HATCH SIZE:	18" x 18"	CONDITION:	Poor-Hinges broke.
AVIATION LIGHTS:	No	CONDITION:	--
OBSTRUCTIONS:	No	ANTENNAE:	1-Balcony

VII. INTERIOR CONDITIONS

A. RISER

GENERAL CONDITION OF COATING:		Poor	
PERCENT TOPCOAT INTACT:		5%	
PERCENT INTERMEDIATE/PRIMER INTACT:		5%	
ACTIVE CORROSION:	Yes	TYPE:	Pitting

CONCENTRATION:	Heavy	INACTIVE CORROSION:	No
DEEPEST PIT:	1/4"	AVG PIT DEPTH:	1/16"
PIT ESTIMATE:	60,000	WELDING ESTIMATE:	15,000
PRIOR PIT WELDS:	Yes	# TO GRIND:	None
STRAY WELDS:	No	LINEAL ESTIMATE:	--
FILL PIPE DIAMETER:	10"	DRAIN DIAMETER:	--
ADDTNL PIPING:	No	CONDITION:	--
ANY LADDER:	No	CONDITION:	--
COMMENTS:	Extremely heavy pitting throughout riser. One hole was noted where pit broke through at middle weld seam.		

B. BOWL

GENERAL CONDITION OF COATING:		Poor	
PERCENT TOPCOAT INTACT:		5%	
PERCENT INTERMEDIATE/PRIMER INTACT:		5%	
ACTIVE CORROSION:	Yes	TYPE:	Pitting
CONCENTRATION:	Heavy	INACTIVE CORROSION:	No
DEEPEST PIT:	3/16"	AVG PIT DEPTH:	1/32"
PIT ESTIMATE:	28,000	WELDING ESTIMATE:	2,800
PRIOR PIT WELDS:	Yes	# TO GRIND:	0
STRAY WELDS:	No	LINEAL ESTIMATE:	--
FILL PIPE DIAMETER:	N/A	DRAIN DIAMETER:	--
ADDTNL PIPING:	No	CONDITION:	--
COMMENTS:	Deepest pitting is concentrated around riser. Rivet welding conducted along with priming of seams.		

C. SIDEWALLS

GENERAL CONDITION OF COATING:		Poor	
PERCENT TOPCOAT INTACT:		5%	
PERCENT INTERMEDIATE/PRIMER INTACT:		5%	
ACTIVE CORROSION:	Yes	TYPE:	Pitting
CONCENTRATION:	Heavy	INACTIVE CORROSION:	No
DEEPEST PIT:	3/16"	AVG PIT DEPTH:	1/32"
PIT ESTIMATE:	42,000	WELDING ESTIMATE:	4,200
PRIOR PIT WELDS:	Yes	# TO GRIND:	0
STRAY WELDS:	No	LINEAL ESTIMATE:	--
PAINTER'S RAIL:	No	STIFFENER:	No
ANY LADDER:	No, removed	CONDITION:	--

COMMENTS:	Deeper and heaver concentration of pitting was noted along bottom half of sidewall. Holes cut near roof for apparent rigging during previous repair.

D. ROOF

GENERAL CONDITION OF COATING:		Poor	
PERCENT TOPCOAT INTACT:		10%	
PERCENT INTERMEDIATE/PRIMER INTACT:		30%	
ACTIVE CORROSION:	Yes	TYPE:	Surface/Scale
CONCENTRATION:	Heavy	INACTIVE CORROSION:	No
DEEPEST PIT:	N/A	AVG PIT DEPTH:	--
PIT ESTIMATE:	0	WELDING ESTIMATE:	--
ROOF BEAMS:	Yes	DESIGN:	Angles
NUMBER:	18	CONDITION:	Fair
CORROSION TYPE:	Surface, scale	EST. PERCENT LOSS:	5-10
BOLTS:		CONDITION:	
COMMENTS:			

Note: Percentage of intact coating is based upon visual observation of actual paint remaining in comparison to SSPC-Guide Visual Standard No. 2, Figure 1. It does not indicate the coating has good adhesion, is free from defects or is failing. Any surface preparation estimates should consider these variables.

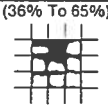
VIII. RECOMMENDATIONS

REPAIRS:	Install new vent and hatch on roof. Patch holes in upper sidewall.

PAINTING:	

MISC:	Consider new tank.

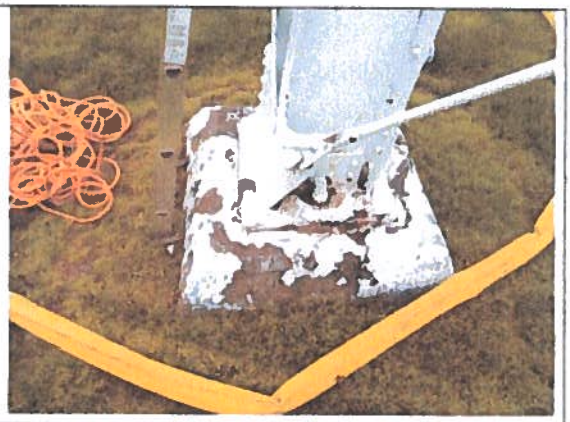
ASTM D 3359 METHOD B - VISUAL CLASSIFICATIONS

Classification	Surface of Cross-Cut Area From Which Flaking Has Occurred		
5B	None		
4B		(1% To 5%) 	
3B		(6% To 15%) 	
2B		(16% To 35%) 	
1B		(36% To 65%) 	
0B	Greater Than 65%		

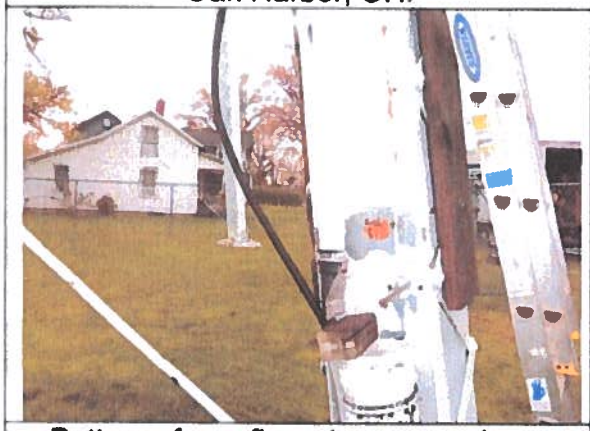
5B The edges of the cuts are completely smooth; none of the squares of the lattice is detached.
4B Small flakes of the coating are detached at intersections; less than 5% of the area is affected.
3B Small flakes of the coating are detached along edges and at intersection of cuts. The area affected is 5 to 15% of the lattice.
2B The coating has flaked along the edges and on parts of the squares. The area affected is 15 to 35% of the lattice.
1B The coating has flaked along the edges of cuts in large ribbons and whole squares have detached. The area affected is 35 to 65% of the lattice.
0B Flaking and detachment worse than Grade 1B.

PHOTOGRAPHS

100,000 gallon elevated tank owned by Oak Harbor, OH.



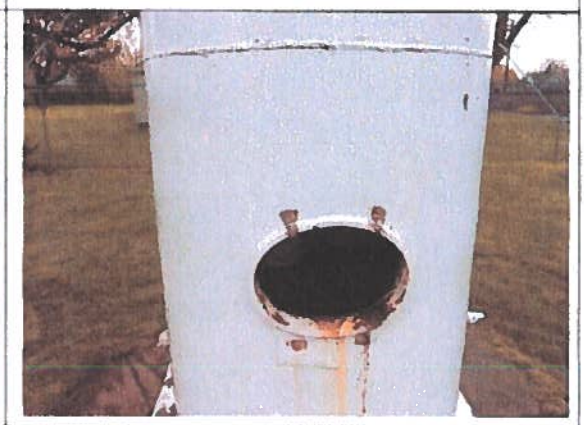
Typical view of column footing and anchor bolt.



Bottom of overflow pipe near column ladder.

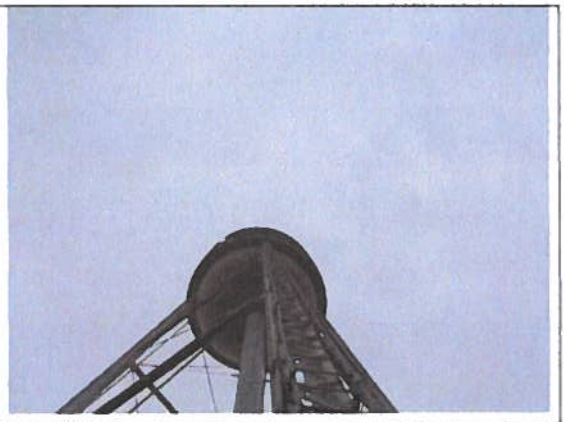
Typical view of interior of column.

Riser foundation and anchor bolts.

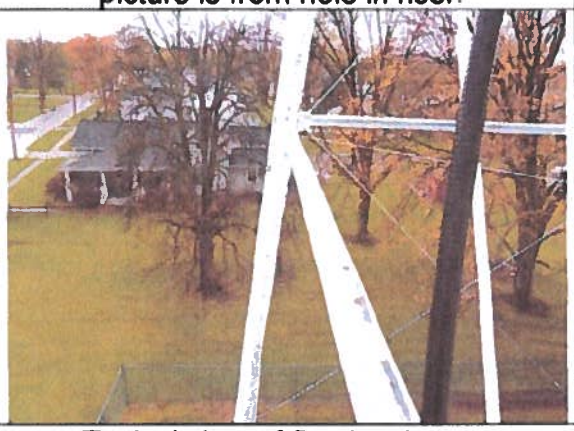


Riser man-way hatch.

Exterior riser. Note the staining at mid picture is from hole in riser.



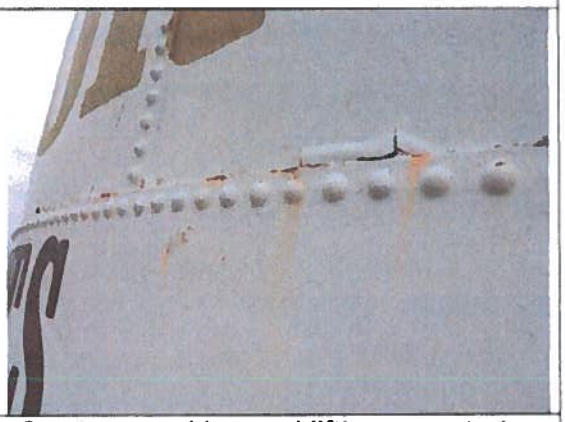
Typical view of column.



Typical view of first level strut.

Typical view of second level strut.

Upper exterior riser and bowl.



Coating cracking and lifting on exterior sidewall.

Heavy coating delamination to substrate on sidewall balcony.

Fill pipe at upper exterior sidewall.

Roof hatch with heavy scale corrosion and broken hinges.

View of exterior roof.

Roof vent.

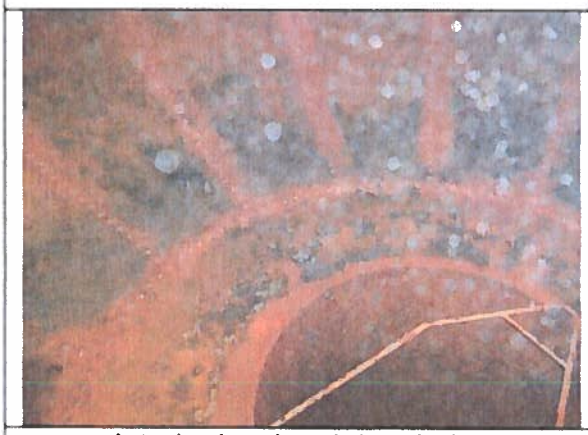
One of four holes along upper sidewall. Taken from interior.

Interior roof and upper sidewall.

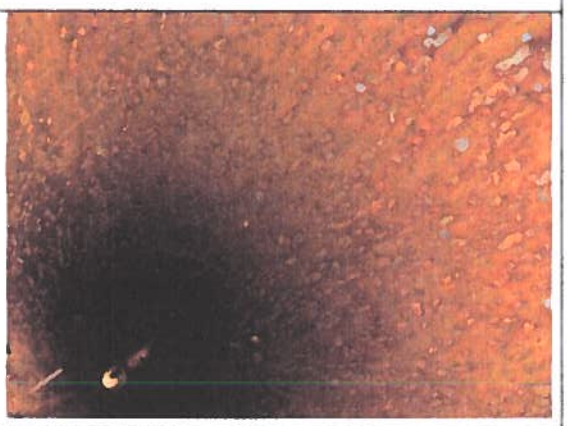
Pitting along upper interior sidewall.

Pitting along lower sidewall and upper bowl.

Close up of pitting at interior bowl.



Interior bowl and riser hole.



Heavy pitting in wet interior riser.

History of the Main Street Elevated Tank

The Main Street Elevated Tank is a Torus Bottom Multicolumn tank. The Pittsburgh Tank and Tower Company erected it in 1939. It has four legs, associated spider rods and a four-foot (4') diameter riser into the bowl. It has capacity of 100,000 gallons. It is approximately 125' tall.

- 2010 – Tank inspected for solutions to defects and non-conformance
- 2009 - Tank inspected for solutions to defects and non-conformance
- 2004 – Clean and coat the interior of the tank and coat with a wax type coating
- 2000 – Clean and paint the exterior of the tank and paint with "ROCKETS" logo. This was painted with latex paint over lead paint and has lost adhesion.
- 1999 – Clean and coat the interior of the tank
- 1995 - Clean and coat the interior of the tank
- 1993 - Clean and coat the interior of the tank
- 1990 - Clean and coat the exterior of the tank.
- 1989 – Major ice damage. Repairs to lowest to wall sheets and seams on interior. Re-paint damaged areas and re-letter. Clean and coat interior of tank
- 1987 - Clean and coat the interior of the tank
- 1987 - Clean and coat the exterior of the tank
- 1981 - Clean and coat the exterior of the tank
- 1976 – Replace the 4' diameter riser pipe, weld-fill the pits in bowl and shell and replace the spider rods.
- 1976 - Clean and coat the interior of the tank
- 1976 - Clean and coat the exterior of the tank
- 1975 - Clean and coat the interior of the tank

Revised: April 23, 2019

Supplemental Application Instructions

Prerequisites for Project Consideration

Manner of submittal items:

1) Must be one-sided, 8.5" x 11".
2) No dividers or cover sheets (a summary sheet may be submitted with "other documentation").
3) No Binding. A binder clip, folder, punch-less binder (has a clamp that holds papers together) are OK. No staples.

Format of application:

1) All must be in whole dollars (no cents).
2) Cannot use all caps.
   Page 4 of application must contain relevant information about project and not "see attached". If it will not fit in space provided, list what will fit and attach one supplement document to complete the information.
3) Page 3 must designate households or ADT ONLY for the direct area of the infrastructure. (Cannot count downstream or system users). Majority infrastructure type determines how project is scored when there are multiple components.

Order and completeness of items:

1) __X__ OPWC six page application
2) __X__ Authorizing Legislation authorizing CEO to enter into agreements with OPWC.
3) __X__ Certification of funds/Loan Repayment following sample provided.
4) __X__ A registered professional engineer's detailed cost estimate and useful life statement with seal or stamp and signature
5) __N/A__ Co-operative Agreement (if applicable)
6) __N/A__ Farmland Preservation Review (or statement that there is no impact to farmland such as that on questionnaire).
7) __X__ Findings and Orders, Traffic Count, Job Creation or Retention and any other items to support scoring.
8) Other items
   a. Maps
   b. Pictures
   c. Summary Sheet
   d. Letters supporting project
   e. Any other items deemed relevant to the project.

9) __X__ Completed District 5 Capital Improvements Project questionnaire and completed priority rating sheet.

Project Cost Overruns/Changes in Scope Procedure

1) The applicant will prepare an amended application including a revised budget, revised engineering estimate, and a detailed explanation of the change(s) requested.
2) The amendment is due to the District 5 Liaison thirty days in advance of the date of the scheduled District 5 Executive Committee Meeting.

Revolving Loan Prioritization

1) RLP funds are funds repaid from previous loans. The money can only be used for loans. No grants may be made with the funds.
2) The interest rate for RLP Loans is established by the Executive committee at zero percent per year for the useful life of the improvement.

3) RLP Loans will be offered to projects based on the ranking of projects on the SCIP Slate. Consideration will be given to projects in order until the RLP funds are expended.

Evaluation Questionnaire and Priority Rating Sheet

1) Each application to District 5 shall be rated using the District 5 Capital Improvements Project Questionnaire and Priority Rating Sheet as adopted by the District 5 Executive Committee.
2) For Villages and Township with populations less than 5,000 special attention is called to the potential eligibility for Small Government Funding consideration. The scoring for the Small Government Program is established and implemented by the Ohio Public Works Commission. This program has an additional set of Evaluation Methodology. Each applicant should familiarize themselves with this methodology when planning your project funding request. If your project is not selected for District Funding each applicant under 5,000 in population will be considered for selection as a potential Small Government Project.

District 5
Capital Improvement Project
Priority Rating Sheet, Round 34

Revised 04/23/19
PROJECT NUMBER

COUNTY: Ottawa
PROJECT: Oak Harbor Elevated Tank
EST. COST: $999,628

No.	"A" WEIGHT FACTOR	CRITERIA TO BE CONSIDERED	"B" PRIORITY FACTORS	"A"x"B"	Priority Factors						No.
					0	2	4	6	8	10	
1	1	(Repair or Replace) vs. (New or Expansion)	0 2 4 6 8 10	10	0% + Repair or Replacement	20% + Repair or Replacement	40% + Repair or Replacement	60% Repair or Replacement	80% + Repair or Replacement	100% + Repair or Replacement	1
2	1.5	Existing Physical Condition: Must submit substantiating documentation and CIR (100% New or Expansion = 0 Points)	0 2 4 6 8 10	12	Excellent	Good	Fair	Poor	Critical	Closed or Not Operating	2
3	2	Public Health and/or Public Safety Concerns Submittals without supporting documentation will receive 0 points for this question	0 2 4 6 8 10	20	No Impact	Minimal	Moderate	Major	Critical	Extremely Critical	3
4	2	Percentage of Local Share (Local funds are funds derived from the applicant budget or a loan to be paid back through the applicant budget assessments, rates or tax revenues)*	0 2 4 6 8 10	20	0%+	10%+	20%+	30%+	40%+	50%+	4
5	1	OTHER FUNDING SOURCES (Excluding Issue II Funds) (Grants and other revenues not contributed or collected through taxes by the applicant, including Gifts, Contributions, etc. - must submit copy of award or status letter)	0 2 4 6 8 10		0%+	10%+	20%+	30%+	40%+	50%+	5

No.	"A" WEIGHT FACTOR	CRITERIA TO BE CONSIDERED	"B" PRIORITY FACTORS	"A"x"B"	Priority Factors						No.
					-9	-8	0	8	9	10	
					Grant or Loan Only						
6	2	OPWC Grant and Loan Funding Requested. Please refer to Item 6 on Questionnaire for Clarification	-9 -8 0 8 9 10		$500,001 or more	$400,001 to $500,000	$325,001 to $400,000	$275,001 to $325,000	$175,001 to $275,000	$175,000 or less	6
					Grant/Loan Combination						
	2		-9 -8 0 8 9 10	16	$750,000 or more	$600,001 to $750,000	$487,501 to $600,000	$412,501 to $487,500	$262,501 to $412,500	$262,500 or less	

When scoring a project that is only grant or only loan. Please use the chart labeled "Grant or Loan Only". When scoring a grant/loan combination, score the project for the grant in the first chart, then use the second chart labeled "Grant/Loan Combination" to score the total (grant and loan combined). Use the lower of the two as the score.

No.	"A" WEIGHT FACTOR	CRITERIA TO BE CONSIDERED	"B" PRIORITY FACTORS	"A"x"B"	Priority Factors						No.
					0	2	4	6	8	10	
7	1	Will the Proposed Project Create Permanent jobs or retain jobs that would otherwise be permanently lost (Written Documentation Required)	0 2 4 6 8 10		0+ jobs	7+ jobs	15+ jobs	25+ jobs	50+ jobs	100+ jobs	8
8	1	Benefits to Existing User such as households, (Equivalent dwelling units), traffic Counts, etc.	0 2 4 6 8 10	10	0+	100+	350+	500+	750+	1000+	9
9		SUBTOTAL RANKING POINTS (MAX. = 115)		88	Other Info: Does this project have a significant impact on productive farmland? YES NO X *Attach impact statement if yes.* Is the Applicant ready to proceed to bids after State Approval within 6 months? YES NO						
10		**COUNTY PRIORITY POINTS (25-20 -15)**									
11		DISCRETIONARY POINTS (BY DISTRICT ONLY) (MAX=12)									
12		GRAND TOTAL RANKING POINTS									

*** Applicants must cerify local share contribution. Specify, all funding sources to be utilized as local share at the time of application submittal.**

DISTRICT 5
CAPITAL IMPROVEMENT PROJECTS
QUESTIONNAIRE
ROUND 34

Name of Applicant: Village of Oak Harbor
Project Title: Main Street Elevated Storage Tank

The following questions are to be answered for each application submitted for State Issue II SCIP, LTIP and Loan Projects. Please provide specific information using the best documentation available to you. Justification of your responses to these questions will be required if your project is selected for funding, so please provide correct and accurate responses. **Communities and Townships under 5,000 in population should also complete Small Government Criteria.**

1. What percentage of the project in repair A= __%, replacement B= 100 %, expansion C= __%, and new D= ___%? (Use dollar amounts of project to figure percentages and make sure the total equals one hundred (100) percent) A+B= 100 % C+D= ___%

   Repair/Replacement = Repair or Replacement of public facilities owned by the government (any subdivision of the state).

   New/Expansion = Replacement of privately owned wells, septic systems, private water or wastewater systems, etc.

2. Give the physical condition rating : Critical

   Closed or Not Operating: The condition is unusable, dangerous and unsafe. The primary components have failed. The infrastructure is not functioning at all.

   Critical: The condition is causing or contributing to a serious non-compliance situation and is threatening the intended design level of service. The infrastructure is functioning at seriously diminished capacity. Imminent failure is anticipated within 18 months. Repair and/or replacement is required to eliminate the critical condition and meet current design standards. **(For Road Projects structural repair items would represent a minimum of 25% of the total Project Cost).**

   Poor: The condition is substandard and requires repair/replacement in order to return to the intended level of service and comply with current design standards. Infrastructure contains a major deficiency and is functioning at a diminished capacity.

   Fair: The condition is average, not good or poor. The infrastructure is still functioning as originally intended. Minor deficiencies exist requiring repair to continue to function as originally intended and/or to meet current design standards.

   Good: The condition is safe and suitable to purpose. Infrastructure is functioning as originally intended, but requires minor repairs and/or upgrades to meet current design standards.

Excellent:	The condition is new, or requires no repair. Or, no supporting documentation has been submitted.

- **In order to receive points provide supporting documentation (e.g. photos, a narrative, maintenance history, or third party findings) to justify the rating.**

3. If the proposed project is not approved what category would best represent the impact on the general health and/or public safety?

ROADS

Extremely Critical:	Resurfacing, Restoration, Rehabilitation and Reconstruction (4R) of a Major Access Road.*
Critical:	Resurfacing, Restoration and Rehabilitation (3R) of a Major Access Road.*
Major:	Resurfacing, Restoration, Rehabilitation and Reconstruction (4R) of a Minor Access Road.*
Moderate:	Resurfacing, Restoration and Rehabilitation (3R) of a Minor Access Road.*
Minimal:	Preventative Maintenance of a Major Access Road.
No Impact:	Preventative Maintenance of a Minor Access Road.

Projects that have a variety of work will be scored in the LOWEST category of work contained in the Construction Estimate.

Road/Street Classifications:

Major Access Road:	*Roads or streets that have a dual function of providing access to adjacent properties and providing through or connecting service between other roads.*
Minor Access Road:	*Roads or streets that primarily provide access to adjacent properties without through continuity, such as cul-de-sacs or loop roads or streets.*
Preventative Maintenance:	*Non Structural Pavement work such as chip sealing, cape sealing, microsurfacing, crack sealing, etc.*

*(3R) Resurfacing, Restoration and Rehabilitation - Improvements to existing roadways, which have as their main purpose, the restoration of the physical features (pavement, curb, guardrail, etc.) without altering the original design elements. **(Surface and Intermediate layer Mill and Fills, overlays with less than or equal to 3" additional pavement, ect…)**

*(4R) Resurfacing, Restoration, Rehabilitation and Reconstruction - Much like 3R, except that 4R allows for the complete reconstruction of the roadway and alteration of certain design elements (i.e., lane widths, shoulder width, SSD, **overlays with greater than 3" additional pavement**, etc.).

BRIDGES SUFFICIENCY RATING

Extremely Critical:	0-25, or a General Appraisal rating of 3 or less.
Critical:	27-50, or a General Appraisal rating of 4.
Major:	51-65 or a General Appraisal rating of 5 or 6.
Moderate:	66-80 or a General Appraisal rating of 7.
Minimal:	81-100 or a General Appraisal rating of more than 7.
No Impact:	Bridge on a new roadway.

WASTEWATER TREATMENT PLANTS

Extremely Critical:	Environmental Protection Agency (EPA) orders in the form of a consent decree, findings and orders or court order. Health Department Construction Ban.
Critical:	Improvements ordered by the Environmental Protection Agency (EPA) in the form of NPDES Orders.
Major:	Replace deficient appurtenances. Update existing processes due to EPA recommendations.
Moderate:	Increase capacity to meet current needs or update processes to improve effluent quality.
Minimal:	New/Expansion project to meet a specific development proposal.
No Impact:	New/Expansion to meet future or projected needs.

WATER TREATMENT PLANT

Extremely Critical:	EPA orders in the form of a consent decree, findings and orders or court order.
Critical:	Improvements to meet Environmental Protection Agency (EPA) Safe Drinking Water Regulations and/or NPDES Orders.
Major:	Replace deficient appurtenances. Update existing processes due to EPA recommendations.
Moderate:	Increase capacity to meet current needs or update processes to improve water quality.
Minimal:	New/Expansion project to meet a specific development proposal.
No Impact:	New/Expansion to meet future or projected needs.

COMBINED SEWER SEPARATIONS (May be construction of either new storm or sanitary sewer as long as the result is two separate sewer systems.)

Extremely Critical:	EPA orders in the form of a consent decree, findings and orders or court order. Health Department Construction Ban.
Critical:	Separate, due to chronic backup or flooding in basements.
Major:	Separate, due to documented water quality impairment, or due to EPA recommendations.
Moderate:	Separate, due to specific development proposal within or upstream of the combined system area.
Minimal:	Separate, to conform to current design standards.
No Impact:	No positive health effect.

STORM SEWERS

Extremely Critical:	EPA orders in the form of a consent decree, findings and orders or court order.
Critical:	Chronic flooding (structure damage).
Major:	Inadequate capacity (land damage).
Moderate:	Inadequate capacity with no associated damage.
Minimal:	New/Expansion to meet current needs.
No Impact:	New/Expansion to meet future or project needs.

CULVERTS

Extremely Critical:	Structurally deficient or functionally obsolete. Deterioration has already caused a safety Critical: hazard to the public.
Critical:	Inadequate capacity with land damage and the existing or high probability of property damage.
Major:	Inadequate capacity (land damage).
Moderate:	Inadequate capacity with no associated damage.
Minimal:	New/Expansion to meet current needs.
No Impact:	New/Expansion to meet future or projected needs.

SANITARY SEWERS

Extremely Critical:	EPA orders in the form of a consent decree, findings and orders or court order. Health Department Construction Ban.
Critical:	Replace, due to chronic pipe failure, chronic backup or flooding in basements. Improvements ordered by the Environmental Protection Agency (EPA) in the form of NPDES Orders.
Major:	Replace, due to inadequate capacity or infiltration, or due to EPA recommendations.
Moderate:	Rehabilitate to increase capacity to meet current needs or to reduce inflow and infiltration.
Minimal:	New/Expansion project to meet a specific development proposal.
No Impact:	New/Expansion to meet future or projected needs.

SANITARY LIFT STATIONS AND FORCE MAINS

Extremely Critical:	Structurally deficient. Deterioration has already caused a safety/health hazard to the public, or, EPA orders in the form of a consent decree, findings and orders or court order.
Critical:	Inadequate capacity with actual or a high probability of property damage. Improvements ordered by the Environmental Protection Agency (EPA) in the form of NPDES Orders.
Major:	EPA recommendations, or, reduces a probable health and/or safety problem.
Moderate:	Rehabilitate to increase capacity to meet current needs.
Minimal:	New/Expansion to meet a specific development proposal.
No Impact:	New/Expansion to meet future or projected needs.

WATER PUMP STATIONS

Extremely Critical:	Structurally deficient. Deterioration has already caused a safety hazard to the public, or, EPA orders in the form of a consent decree, findings and orders or court order.
Critical:	Inadequate capacity with the inability to maintain pressure required for fire flows.
Major:	Replace due to inadequate capacity or EPA recommendations.
Moderate:	Rehabilitate to increase capacity to meet current needs.
Minimal:	New/Expansion to meet a specific development proposal.
No Impact:	New/Expansion to meet future or projected needs.

WATER LINES/WATER TOWERS

Extremely Critical:	Solve low water pressure or excessive incidents of main breaks in project area.
Critical:	Replace, due to deficiency such as excessive corrosion, etc.
Major:	Replace undersized water lines as upgrading process.
Moderate:	Increase capacity to meet current needs.
Minimal:	New/Expansion project to meet a specific development proposal.
No Impact:	New/Expansion to meet future or projected needs.

OTHER

Extremely Critical:	There is a present health and/or safety threat.
Critical:	The project will provide immediate health and/or safety benefit.
Major:	The project will reduce a probable health and/or safety problem.
Moderate:	The project will delay a health and/or safety problem.
Minimal:	A possible future health and/or safety problem mitigation.
No Impact:	No health and/or safety effect.

NOTE: *Combined projects that can be rated in more than one subset may be rated in the other category at the discretion of the District 5 Executive Committee. In general, the majority of the cost or scope of the project shall determine the category under which the project will be scored.*

(Submittals without supporting documentation will receive 0 Points for this question.)

Extremely Critical X, Critical ___, Major ___, Moderate ___, Minimal ___, No Impact ___. Explain your answer. The water tower has reached its useful life. Per the EPA Sanitary Survey Findings the EPA states replacing the Water Storage Tank with a new a tank.

(Additional narrative, charts and/or pictures should be attached to questionnaire)

4. Identify the amount of local funds that will be used on the project as a percentage of the total project cost.

A.) Amount of Local Funds = $ 674,628

B.) Total Project Cost = $ 999,628

RATIO OF LOCAL FUNDS DIVIDED by TOTAL PROJECT COSTS (A/B)= 67 %

Note: Local funds should be considered funds derived from the applicant budget or loans funds to be paid back through local budget, assessments, rates or tax revenues collected by the applicant.

5. Identify the amount of other funding sources to be used on the project, excluding State Issue II or LTIP Funds, as a percentage of the total project cost.

Grants ___% Gifts ___%, Contributions ___%

Other ___% (explain)_____ , Total ___%

Note: Grant funds and other revenues not contributed or collected through taxes by the applicant should be considered other funds. The Scope of Work for each Funding Source must be the same.

6. Total Amount of SCIP and Loan Funding Requested- An Applicant can request a grant per the categories below for points as indicated on the Priority Rating Sheet. If the Applicant is including a loan request equal to, but not exceeding 50% of the OPWC funding amounts listed below, there will be no point penalty. If loan funds requested are more than 50%, points as listed in the Priority Rating Sheet will apply.

_____	$500,001 or More
X	$400,001-$500,000
_____	$325,001-$400,000
_____	$275,001-$325,000
_____	$175,001-$275,000
_____	$175,000 or Less

There are times when the District spends all of the grant money and has loan money remaining. When this happens, the district makes a loan offer in the amount of the requested grant to the communities that were not funded. The offers are made in the order of scoring. We need to know if you are not successful in obtaining grant dollars for your project if you would be interested in loan money:

YES X NO_____

(This will only be considered if you are not funded with grant money and there is remaining loan money.) **Please note: if you answer "no" you will not be contacted, only if you answer "yes" will an offer be made in the event that there is loan money remaining.**

7. If the proposed project is funded, will its completion directly result in the creation of permanent full-time equivalent (FTE) jobs (FTE jobs shall be defined as 35 hours/week) ? Yes ___ No X. If yes, how many jobs within eighteen months? __ Will the completed project retain jobs that would otherwise be permanently lost? Yes ___ No X. If yes, how many jobs ____ **will be created/retrained** within 18

months **following the completion of the improvements**?

(Supporting documentation in the form of letter from affected industrial or commercial enterprises that specify full time equivlent jobs that will be retained or created directly by the installation or improvement of Public infrastructure. Additional items such as; 1) newspaper articles or other media news accounts, 2) public meeting minutes, and/or 3) a letter from the County Economic Development Director or State of Ohio Economic Development Professional that alludes to the requirement for the infrastructure improvement to support the business. Submittals without supporting documentation will receive 0 points for this question.)

8. What is the total number of existing users that will directly benefit from the proposed project if completed? 1877 (Use households served, traffic counts, etc. and explain the basis by which you arrived at your number.)

9. Is subdivision's population less than 5,000 Yes X No ___

If yes, continue. You may want to design your project per Small Government Project Evaluation Criteria, released for the current OPWC Round to assist in evaluating your project for potential Small Government Funding. The Small Government Criteria is available on the OPWC website at http://www.pwc.state.oh.us/Meth.SG.PDF If No, skip to Question 11.

10. **OHIO PUBLIC WORKS COMMISSION SMALL GOVERNMENT PROGRAM GUIDELINES**

All projects that are sponsored by a subdivision with a population of 5,000 or less, and not earning enough points for District Funding from SCIP or LTIP Funds, are then rated using the Small Government Program Rating Criteria for the corresponding funding round. In order to be rated the entity must submit the Small Government Suppliment and their required budgets with their application. **Only infrastructure that is village- or township- owned is eligible for assistance.** The following policies have been adopted by the Small Government Commission:

- District Integrating Committees may submit up to seven (7) applications for consideration by the Commission. All 7 must be ranked, however, only the top five (5) will be scored. The remaining two (2) will be held as contingency projects should an application be withdrawn.

- Grants are limited to $500,000. Any assistance above that amount must be in the form of a loan.

- Grants for new or expanded infrastructure cannot exceed 50% ofthe project estimate.

- The Commission may deny funding for water and sewer systems that are deemed to be more cost-effective if regionalized.

- If a water or sewer project is determined to be affordable, the project will be offered a loan rather than a grant. Pay special attention to the **Water & Wastewater Affordability Supplemental and the Small**

Government Water & Wastewater Affordability Calculation Worksheet. Both are available on the Small Government Program Tab at http://www.pwc.state.oh.us/SmallGovernment.html

- Should there be more projects that meet the "annual score" than there is funding, the tie breaker is those projects which scored highest under Health & Safety, with the second tie breaker being Condition. If multiple projects have equivalent Health & Safety and Condition scores they are arranged according to the amount of assistance from low to high. Once the funded projects are announced, "contingency protects" may be funded from project under-runs by continuing down the approved project list.

- Supplemental assistance is not provided to projects previously funded by the Commission.

- Applicants have 30 days from receipt of application by OPWC without exception to provide additional documentation to make the application more competitive under the Small Government criteria. Applications will be scored after the 30-day period has expired. The applicants for each District's two (2) contingency projects will have the same 30-day period to submit supplemental information but these applications will not be scored unless necessary to do so. **It is each applicant's responsibility for determining the need for supplemental material. The applicant will not be asked for or notified of missing information unless the Commission has changed the project type and it affects the documentation required. Important information may include, but is not limited to: age of infrastructure, traffic counts or utility users, median income information, user rates ordinances, and the Auditor's Certificate of Estimated Revenues or documentation from the Auditor of State that subdivision is in a state of fiscal emergency.**

If you desire to have your Round 34 project considered for Small Government Funding please download the Small Government Evaluation Criteria applicable to Round 33 by accessing the OPWC Website at http://www.pwc.state.oh.us/Meth.SG.PDF. Please complete the Small Government Evaluation Criteria and attach all required supporting documentation and attach it to the District 5 Questionnaire for Round 34.

11. MANDATORY INFORMATION, DISTRICT 5, DISCRETIONARY RANKING POINTS

List all specific user fees: Amount or
ROAD & BRIDGE PROJECTS:(OHIO REVISED CODE) Percentage

Permissive license fee
4504.02 or 4504.06 _____
4504.15 or 4504.17 _____
4504.16 or 4504.171 _____
4504.172 _____
4504.18 _____

Special property taxes
5555.48 _____
5555.49 _____

Municipal Income Tax _____

County Sales Tax _____

Others _____ _____

_____ _____

(DO NOT INCLUDE SCHOOL TAXES)

SPECIFIC PROJECT AREA INFORMATION.

Median household income $43,456

Monthly utility rate: Water _____

Sewer _____

Other _____

List any special user fees or assessment (be specific)

_____

_____

_____

POLITICAL SUBDIVISION= Village of Oak Harbor

COUNTY= Ottawa

DISCRETIONARY POINTS (BY DISTRICT COMMITTEE ONLY)= _____

(25-20-15)

Date: 9/3/19

Signature: Michelle Histed

Title: Project Administration Assistant

Address: 1168 North Main Street, Bowling Green, Ohio 43402

Phone: 419-352-7537

FAX: 419-353-0187

Email: histerm@poggemeyer.com

Small Government Commission
Application Checklist

This checklist will help ensure that your application is scored at its best competitive advantage. It will also assist with the timely release of the Project Agreement should your project be funded. This form is for your use only. See various templates and forms in this manual, on the Small Government webpage, and on the Application webpage.

[X] Compliant certified authorizing legislation by applicant's governing body (OPWC Application webpage)

[X] Cooperative agreement if multi-jurisdictional (OPWC Application webpage). Road/bridge/culvert projects must include an engineer's statement certifying the percentages of each participating jurisdiction's share of the total project.

[X] Compliant Chief Financial Officer's Certification and Loan Letter (OPWC Application webpage)

[N/A] Funding commitment letters and or documentation for all non-OPWC matching funds

[X] Signed/stamped registered professional engineer's detailed cost estimate including in-kind costs (OPWC Application webpage). If project is a mix of new/expansion and repair/replacement items, engineer must include a percentage break-down by category.

[N/A] Signed/stamped professional engineer's weighted useful life statement if not submitted with original application (cannot be modified)

[X] Small Government Engineer's Plan Status Certification form (in this manual and on SG webpage)

[X] Clear description of problem and scope of work with appropriate documentation

[X] Source documentation for proof of age with year clearly visible or compliant letter from eligible public official {letter template in this manual}

[X] Project site photos, if appropriate

[X] Map showing project location/site

[N/A] Farmland Preservation Review Letter if any impact to farmland (OPWC Application webpage)

[X] ADT report for Road, Bridge & Culvert Projects
OR
Number of households/EDUs (with calculation) for Water, Wastewater, Storm Water Collection, Solid Waste Projects who directly benefit. If waterline or sewer project with additional benefitted users beyond scope of construction, then also Engineer's study documenting these additional users.

Roads, Bridges/Culverts, Storm Water, Solid Waste Projects Only:

[N/A] Auditor's Certificate of Estimated Resources with line item detail unless applicant in State of Fiscal Emergency; also if Storm Water or Solid Waste project, the fund(s) typically used must be identified {examples in back of this manual}.

[N/X] Low volume road projects that include documentation using ODOT's TIMS System showing a positive Rate of Return is required to maximize points under population.

(Continued on next page)

Water and Wastewater Projects Only:

[X] "Current" water and wastewater rate ordinances/resolutions for all entities providing services unless applicant in State of Fiscal Emergency

[X] Small Government Water & Wastewater Ability & Effort Supplemental form (in this manual and on SG webpage)

Small Government Self-Score

(Input Score in box for each criterion; will total automatically)

Applicant: Village of Oak Harbor - Main Street Elevated Storage Tank

		SCORE
1	**Ability & Effort (Use A or B according to project type)**	
	A. Roads, Bridges/Culverts, Storm Water, Solid Waste Projects ONLY	
	0 2 4 6 8 10	0
	B. Water & Wastewater Projects ONLY	
	Calculated by Administrator	N/A
2	**Health & Safety (Use A or B according to project type)**	
	A. Road, Bridge, Culvert	
	0 2 4 6 8 10	0
	B. Water, Wastewater, Storm Water, Solid Waste	
	0 2 4 6 8 10	8
3	**Age & Condition**	
	I. Age	
	0 1 2 3 4 5	5
	II. Condition	
	1 2 3 4 5	4
4	**Leveraging Ratio**	
	0 1 2 3 4 5 6 7 8 9 10	9
5	**Population Benefit**	
	0 1 2 3 4 5	5
6	**District Priority Ranking** - Completed by Administrator	N/A
7	**OPWC Funds Requested**	
	0 5 10	5
8	**Loan Request** (Default 0 points if no loan requsted)	
	1 5 10	5
9	**Useful Life**	
	1 2 3 4 5	5
10	**Median Household Income**	
	2 4 6 8 10	8
11	**Readiness to Proceed**	
	I. Status of Plans	
	0 2 5	0
	II. Status of Funding	
	0 3 5	5
	TOTAL	**59**

Ohio Public Works Commission

Small Government Capital Improvements Program

PY 34 Methodology – Rating Scales

Approved July 18, 2019

Ohio Public Works Commission
65 East State Street, Suite 312
Columbus, Ohio 43215
614.466.0880
http://www.pwc.ohio.gov

Complete and compliant support documentation must be provided for a criterion to be awarded points. See Applicant Manual for more information.

1. **Ability and Effort of the Applicant to Finance the Project** (Maximum 10 points)

   A. Roads, Bridges/Culverts, Storm Water, Solid Waste Projects Only – "Auditor's Certificate of Estimated Resources" showing fund detail, as provided in ORC sections 5705.35 and 5705.36 is used to determine potential financial resources available for the project. Score is based on the project's total cost as a percentage of financial resources.

0	Total project cost represents 0 to 20% of subdivision's total combined funds legally eligible for infrastructure type
2	Total project cost represents 21 to 40% of subdivision's total combined funds legally eligible for infrastructure type
4	Total project cost represents 41 to 60% of subdivision's total combined funds legally eligible for infrastructure type
6	Total project cost represents 61 to 80% of subdivision's total combined funds legally eligible for infrastructure type
8	Total project cost represents 81 to 100% of subdivision's total combined funds legally eligible for infrastructure type
10	Total project cost exceeds 100% of subdivision's total combined funds legally eligible for infrastructure type, or subdivision is in fiscal emergency

   B. Water and Wastewater Projects Only – Determined by SG Administrator according to the Water & Wastewater Ability & Effort calculation described in Applicants Manual. Information is obtained from both water and wastewater rate ordinances, Small Government Water & Wastewater Ability & Effort Supplemental, and data from the *U.S. Census Bureau's American Fact Finder* web application. Points are provided for the hours worked to pay for water and wastewater services according to the highest of two variances as a percentage above or below State Averages: weighted average of household income or percentage of households making less than $25,000.

0	More than 50% above state average
2	25.1% - 50% above state average
4	0 - 25% above state average
6	0.1% - 25% below state average
8	25.1% to 50% below state average
10	More than 50% below state average

2. **Importance of Project to Health and Safety of Citizens** – Score is assigned according to the application project description and any pertinent supplemental documentation. (Maximum 10 points)

   A. Road, Bridge, Culvert

0	New infrastructure to meet future or projected needs
2	New infrastructure to meet current needs; Roadway surface paving less than 2 inches; Bridges with General Appraisal of 6 or above or with a Sufficiency Rating of 81-100

4 Roadway surface paving equal to or greater than 2 inches with/without milling; Replace or install signal where warranted; Bridges with a General Appraisal of 5 or Sufficiency Rating of 66-80; Culvert replacement with no associated damage

6 Road widening to add paved shoulders or for safe passage, and/or roadway paving with full-depth base repair equal to or greater than 5% of roadway surface area; Intersection improvement to add turn lanes or realignment; Bridges with a General Appraisal of 4 or Sufficiency Rating of 51-65; Culverts with inadequate flow capacity

8 Complete roadway full-depth reconstruction (includes removal/replacement of base) or reclamation with/without drainage; Widening to add travel lanes; Intersection improvements to address excessive accident rate and/or inadequate level of service with Crash Reduction Factor ($0.0 < CRF < 0.2$); Bridges with a General Appraisal of 3 or Sufficiency Rating of 26-50; Culverts with inadequate flow capacity and property damage (i.e. flooding)

10 Complete roadway reconstruction or reclamation with/without drainage with widening to add travel lanes; Intersection improvement to address excessive accident rate and/or inadequate level of service with Crash Reduction Factor ($CRF >= 0.2$); Bridges with General Appraisal of 2 or less, or Sufficiency Rating of less than 26; Culverts that are structurally deficient

B. Water, Wastewater, Storm Water, Solid Waste

0 Infrastructure to meet future or projected needs

2 Expanded infrastructure to meet specific development proposal

4 Infrastructure to meet current needs; Update processes to improve effluent or water quality; To remain in compliance with permit due to increased standards; Increase storm sewer capacity in which there is no associated land damage; Increase sanitary sewer capacity; Replace water meters as part of an upgrade

6 OEPA recommendations; District health board recommendations; Increase storm sewer capacity that has associated land damage; Replace undersized waterlines as part of upgrade; Install new meters or replace meters that have exceeded useful life

8 Replacement of storm or sanitary sewers due to chronic flooding, back-up, or property damage; Inflow and/or Infiltration; Inadequate capacity to maintain pressure required for fire flows; Replacement of waterlines or towers due to excessive corrosion

10 OEPA Findings & Orders, OEPA orders contained in permit, Consent Decree or Court Order; Structural separations (CSOs)Age and Condition of System to be repaired or replaced. This is a two-part criterion. (Maximum 10 points)

3. Age & Condition of System to be repaired or replaced

Part I – Age: This uses provided documentation for existing infrastructure. Documentation pertains to source documentation or from a compliant letter written by an eligible local official who can vouch for the time period during his/her term in office. If no documentation the default score is 1 point. (Maximum 5 points)

Life	20	30	50
Project Type / Points	Road	Wastewater	Bridge/Culvert. Sanitary Sewer, Water, Storm Water, Solid Waste
0	New / Expansion	New / Expansion	New / Expansion
1	2014-2019	2011-2019	2004-2019
2	2009-2013	2004-2010	1993-2003
3	2004-2008	1996-2003	1981-1992
4	1999-2003	1989-1995	1969-1980
5	1998 or before	1988 or before	1968 or before

Part II – Condition (Maximum 5 points)

1 New/Expansion: New or expansion project components represent at least 50% of improvements

2 Expansion: New or expansion project components represent between 25% and 49% of improvements

3 Poor: Infrastructure requires repair to continue functioning as originally intended and/or upgrade to meet current design standards.

4 Critical: Infrastructure requires replacement to continue functioning as originally intended.

5 Failed: Not functioning

4. Leveraging Ratio – Local and all non-OPWC funding sources as a percentage of total funding. (Maximum 10 points)

	Repair/Replacement (Poor/Critical/Failed in Criterion 3)	New/Expansion (New/Expansion &/or Expansion in Criterion 3)
0	10 or less	50 or less
1	11-15	51-55
2	16-20	56-60
3	21-25	61-65
4	26-30	66-70
5	31-35	71-75
6	36-40	76-80
7	41-45	81-85
8	46-50	86-90
9	51-55	91-95
10	56 or more	96 or more

5. **Population Benefit** – Number of those to benefit directly from the improvement as a percentage of applicant's total population. (Maximum 5 points)

0	10% or less
1	25% - 11%
2	35% - 26%
3	45% - 36%
4	55% - 46%
5	56% or more

6. **District Priority Ranking as provided by District** (Maximum 10 points)

6	5th ranked district project
7	4th ranked district project
8	3rd ranked district project
9	2nd ranked district project
10	1st ranked district project

7. **Amount of OPWC funding requested** (Maximum 10 points)

0	$500,000 or more
5	$250,000 - $499,999
10	249,999 or less

8. **Loan Request as a percentage of OPWC assistance** (Maximum 10 points)

1	15 - 29% of OPWC assistance
5	30 - 49% of OPWC assistance
10	50 - 100% of OPWC assistance

9. **Useful Life of Project** – Taken from engineer's useful life statement. (Maximum 5 points)

1	7 - 9 years
2	10 - 14 years
3	15 - 19 years
4	20 - 24 years
5	25 years or more

10. **Median Household Income** – Applicant's MHI as a percentage of the statewide MHI. Information derived from the most recent 5-year American Community Survey as published by the Ohio Development Services Agency. (Maximum 10 points)

2	110% or more
4	100% - 109%
6	90% - 99%
8	80% – 89%
10	79% or less

11. Readiness to Proceed (Maximum 10 points)

Part I – Status of Plans – This uses the Small Government Commission's Engineer's Plan Status Certification. (Maximum 5 points)

0	Plans not yet begun
2	Surveying through Preliminary Design Completed (Items A-C)
5	Surveying through final construction plans, and secured permits and right-of-way as appropriate (Items A-H)

Part II – Status of Funding Sources – This uses source documentation including CFO certifications and loan letters. (Maximum 5 points)

0	All funds not yet committed
3	Applications submitted to funding entities
5	All funding committed

Small Government Commission
Engineer's Plan Status Certification
Required for Criterion No. 11, Part I

Applicant: Village of Oak Harbor

District No.: 5

Project Name: Main Street Elevated Storage Tank

Item		Necessary for project?	Status	Completion Date
Met Completion dates for Items A – C (2 points)				
A	Surveying	Y √ N/A ☐		03/01/2020
B	R/W Acquisition Identified	Y ☐ N/A √		
C	Preliminary Design	Y ☐ N/A √		
Met Completion dates for Items A – H (5 points)				
D	Final Construction Plans	Y √ N/A ☐		06/01/2020
E	Permit to Install Issued	Y √ N/A ☐		06/01/2020
F	NPDES Issued	Y ☐ N/A √		
G	Other Permits Issued	Y ☐ N/A √		
H	Executed Right of Way Option or Agreement	Y ☐ N/A √		

I hereby certify that the information above is true and correct to the best of my knowledge and belief.

Denise Plummer, P.E.
Engineer's Printed Name

Denise Plummer
Engineer's Signature

8-27-19
Date

STATE OF OHIO
DENISE M. PLUMMER
E-66629
REGISTERED PROFESSIONAL ENGINEER

Engineer's Stamp/Seal

Small Government Commission
Water & Wastewater Ability & Effort Supplemental
(This form must be completed and submitted for all Water and Wastewater applications)

Applicant: **Village of Oak Harbor – Main Street Elevated Storage Tank**

System Users – The Small Government Commission will use households from the most recent decennial Census of Population and Housing unless a system-generated user report for inside users is provided or Equivalent Dwelling Units (provide calculation if using EDUs).

1877

Usage – The Small Government Commission will assume 4,500 gallons per month unless a system-generated usage report is provided proving higher consumption.

4500

Rates – Provide both water and wastewater rates, and any surcharges. Attach all relevant ordinances/resolutions showing the effective dates and rate tables. If service is supplied by a different entity the applicant must provide the same information as if it were supplying the service. Calculation of rates must be clear as supported by ordinance or resolution. Calculation must be for rates in effect and in active billing by December 2019; approved rates for a future date will not be accepted (see exception for new systems in Applicants Manual).

WATER

Billing Period:	Monthly	X	Quarterly		Other	
Unit of Measurement:	Gallons	X	Cubic Feet		Flat Rate	

Base Charge	$ 21.00	First 4,500 gallons
Second Increment	$	$ per unit from X to Y
Additional Increments	$	$ per unit from Y to Z
Additional Increments	$	
Surcharges	$	
TOTAL	$ 21.00	

WASTEWATER

Billing Period:	Monthly	X	Quarterly		Other	
Unit of Measurement:	Gallons	X	Cubic Feet		Flat Rate	

Base Charge	$ 60.30	$13.40 per 1,000 gallons
Second Increment	$	$ per unit from X to Y
Additional Increments	$	$ per unit from Y to Z
Additional Increments	$	
Surcharges	$	
TOTAL	$ 60.30	

SMALL GOVERNMENT COMMMISION USE ONLY

Water

Wastewater

Determination

VILLAGE OF OAK HARBOR

146 Church Street
P.O. Box 232
OAK HARBOR, OHIO 43449-0232
(419) 898-5561
Fax (419) 898-2519

Quinton Babcock
Mayor

Randall L. Genzman
Administrator

August 16, 2019

Village Certification for Age of Infrastructure Improvements

Please accept this letter as certification that no major improvements have taken place on the Main Street Water Tower since my term as Mayor, which began on December 27, 2018

Quinton Babcock
Mayor

Please accept this letter as certification that no major improvements have taken place on the Main Street Water Tower during my term as Superintendent, Operations Manager or Administrator starting April 1993 to current date.

Randall Genzman
Administrator

VILLAGE OF OAK HARBOR, OHIO
CODE OF ORDINANCES

2018 S-17 Supplement contains:
Local legislation current through Ord. 9-2017, passed 10-16-17 and
State legislation current through 4-6-18

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RATES AND CHARGES

§ 52.50 PURPOSE AND INTENT.

(A) The sewer system of the village, including all existing and future sanitary and combined sewers, is hereby determined to be a public utility.

(B) It is hereby determined and declared to be necessary and conducive to the protection of the public health, safety, welfare and convenience of the village to levy and collect charges or rentals upon all lots, lands, and premises served by having connections with the sanitary and combined sewage system and the pumping, treatment, and disposal works of the village to be used as hereinafter provided.

(Ord. 474, passed 7-20-54)

§ 52.51 DEFINITION.

For the purpose of this subchapter, the following definition shall apply unless the context clearly indicates or requires a different meaning.

SANITARY SEWAGE. Include the wastes from water closets, urinals, lavatories, sinks, bath tubs, showers, laundries, cellar floor drains, garage floor drains, bars, soda fountains, cuspidors, refrigerator drips, drinking fountains, stable floor drains, and liquid waste resulting from any and all private and commercial manufacturing, industrial, processing, or other similar operation, including processing of animal, vegetable, or other products, without exception.

(Ord. 474, passed 7-20-54)

§ 52.52 SEWAGE SERVICE CHARGE OR RENTAL ESTABLISHED.

(A) For the purposes as provided in this subchapter, there is hereby levied and assessed upon each lot, parcel of land, building or premises having any sewer connection with the sanitary or combined sewage system of the village, or otherwise discharging sewage, water or other liquids, either directly or indirectly, into the village sewage system, a sewage service charge or rental, payable as hereinafter provided.

(B) Such sewage service charge or rental shall be in the amount determinable as follows:

(1) For any lot, tract, parcel of land, premises or building situated within or outside of the village limits and having any connection with the village sewage system, or having any connection with the village sewage available thereto, or otherwise discharging sanitary sewage, water or other liquids, either directly or indirectly, into the village sewage system, a charge or rental shall be based upon the quantity of water used thereon or therein, as the same is measured by the existing village water meters in use, or if not a water user supplied by the Department of Water, or only a partial user thereof, the amount of water used therein shall be metered or otherwise measured or determined by the Village Administrator, or the owner or other interested party, at his or her expense, may install and maintain a meter acceptable to the Village Administrator for such purposes. Charges for industrial wastes shall be determined in accordance with §§ 52.20 et seq.

(2) Such charges or rentals shall be based upon the water used per month. Pursuant to the provisions of this subchapter, the Village Council shall establish necessary charges or rental fees. Such charges or rental fees, as my be revised from time to time, shall be available in the office of the Village Administrator. Effective with utility bills rendered on or about May 1, 2010, the sewer charges inside the corporate limits are $11.30 per 1,000 gallons, with $22.60 being the minimum charge for the first 2,000 gallons of water used per month, and the sewer charges outside the corporate limits are $14.69 per 1,000 gallons, with $29.38 being the minimum charge for the first 2,000 gallons of water used per month. Effective with utility bills rendered on or about January 1, 2011, the sewer charges inside the corporate limits are $12.30 per 1,000 gallons, with $24.60 being the minimum charge for the first 2,000 gallons of water used per month, and the sewer charges outside the corporate limits are $15.99 per 1,000 gallons, with $31.98 being the minimum charge for the first 2,000 gallons of water used per month. Effective with utility bills rendered on or about January 1, 2012, the sewer charges inside the corporate limits are $13.40 per 1,000 gallons, with $26.80 being the minimum charge for the first 2,000 gallons of water used per month, and the sewer charges outside the corporate limits are $17.42 per 1,000 gallons, with $34.84 being the minimum charge for the first 2,000 gallons of water used per month.

(3) In the event the Village Administrator finds that it is not practical to measure such wastes subject to the sewer rental as established in division (B)(2) by meter, the Village Administrator may measure such wastes in such other manner or method as the Village Administrator may find practical in light of the conditions and attendant circumstances. In the event it is found by the Village Administrator that such water or wastes metered or otherwise measured is not actually the true measure of the volume of sewage, liquids or waste being discharged into the village sewage system, the Village Administrator may modify and adjust such charges in accordance with the facts and justice and equity according to the rates as established in division (B)(2).

(4) In addition to the charge of rental determined according to the rates established in division (B)(2), a further charge of 10% of such amount so determined shall be added thereto in each case of failure to make prompt payment and the total thus obtained shall be the sewage service charge or rental in each such case. The time within which such payment shall be made in a manner classified as a "prompt payment" shall be determined by the Village Administrator, and shall be expressed through the rules and regulations which are authorized by this subchapter to be made for the purposes hereof.

(5) The sewer service charge or rental established in division (B)(2) shall be payable monthly at the office of the Village Administrator, and at the option of the Village Administrator, may be made payable at the same time as water bills.

(C) For any lot, land, building, or premises from which a connection is made with the village sanitary and combined sewage systems, or having such connection available thereto, or which begins to discharge

sewage, water or any other liquids into the village sanitary and combined sewage system, either directly or indirectly, after this section becomes effective, a charge shall be made pursuant to this subchapter, such charge to be a per diem or pro-rata amount based upon the charge which would apply for the entire month, and computed according to the rates as established in divisions (B)(2) and (B)(3). The charge made on this basis shall apply from the time such sewer connection is made or becomes available, or such discharge into the village sewage system, either directly or indirectly, is begun, until the next following monthly period.

(D) The charges charge or rental levied and assessed by this section shall be payable in monthly payments in each year as provided in divisions (B)(2) and (B)(3).

(E) Equivalency factors. The following equivalency factors are based upon the Ohio Environmental Protection Agency guide and are computed on the basis of the probable demand a user places on a public water system. The probable flow rate demand is correlated to the demand expected by a single family dwelling by the use of equivalency factors shown below. The minimum equivalency factor that shall be met is one (1) when computing fees and charges (unless one (1) E.D.U. already exists on the property). Equivalency factors for types of users not listed must be determined by Village's Engineer on an individual basis.

EQUIVALENCY FACTORS		
Single Family Dwelling	per dwelling	1.000
Apartments	per apartment	1.000
Condominiums	per unit	1.000
Mobile Homes	per unit	1.000
Mobile Home Parks	per home space/lot	0.750
Rental Cottages	minimum per cottage	0.250
Efficiency Rental	per unit	0.625*
Assembly Halls	per seat	0.005*
Boat Docks		
Individ. Owned w/o dwelling	per dock space	0.100
Individ. Owned w/dwelling	per dock space/lot	1.000
Bowling Alleys	per lane	0.188*
Car Wash	per automatic bay	1.500
	per manual bay	1.000
Churches		
With Kitchen	per seat	0.017*
Without Kitchen	per seat	0.011*
Country Clubs	per person	0.125*
Dance Halls	per person	0.005*
Dormitories/Barracks	per bed	0.0625*
Drive-In Theaters	per car space	0.013*
Factories		
With no showers	per employee	0.063*
With showers	per employee	0.088*

Food Service Operations		
Restaurant	per seat	0.088*
Banquet Rooms	per seat	0.013*
Taverns	per seat	0.088*
Drive-In Service	per space	0.125*
Gas (fuel) Stations	first pump island	2.500
	per additional pump island	1.250
Hospitals	per bed	0.750
Institutions	per person	0.250*
Laundries (coin operated)	per machine	0.350
Marinas	per dock rack and storage space	0.100**
Motels/Guest Rooms	per unit	0.250*
Nursing/Rest Homes	per patient	0.375*
	per resident employee	0.250*
	per non-resident employee	0.125*
Office Buildings	per employee	0.050*
R.V. Parks and Camps (Primitive)	per space	0.125*
R.V. Parks and Camps (Full Service)	per space	0.313*
Recreation Parks	per park capacity	0.010*
Retail Store	per employee	0.050*
School (Elementary)	per pupil	0.038*
School (Middle and High)	per pupil	0.050
Shopping Center	per 100 s.f. w/no food/laundry	0.050
Storage/Hanger Unit		
W/o restrooms or living areas	per unit	0.100*
With restrooms & no living areas	per unit	0.250*
With restrooms & living areas	per unit	1.000
Swimming Pool w/no showers	per capacity	0.010*
Swimming Pool w/showers	per capacity	0.018*
Youth and Recreation Camps	per capacity	0.125*
*Total equivalent factor per establishment shall be a minimum of one (1). **If a person owns a mobile home (trailer) or recreational vehicle (travel trailer) and a dock space simultaneously within the same subdivision or parcel of land, that person's EDU shall be based upon a mobile home or R.V. only.		

(Ord. 474, passed 7-20-54; Am. Ord. 678, passed 9-7-76; Am. Ord. 13-93, passed 11-1-93; Am. Ord. 2-99, passed 3-15-99; Am. Ord. 31-2007, passed 10-15-07; Am. Ord. 06-2010, passed 4-5-10; Am. Ord. 14-2015, passed 3-21-16)

§ 52.521 SEWER TAP INSTALLATION CHARGES.

TAP AND SERVICE LINE INSTALLATION CHARGES (applicable to § 53.004)					
Diameter of Tap	*Size of Service*	*Inside Corporation*		*Outside Corporation*	
		Total Charge	*Advance Deposit*	*Total Charge*	*Advance Deposit*
6.00"	6"	$1,000	$1,000	Salem Sewer District taps	
8.00"	8"	$1,250	$1,250	Provided by Ottawa County	
10.00" and above	10"+	$1,500	$1,500	Sanitary Engineers Office	

(Ord. 14-2015, passed 3-21-16)

§ 52.53 CHARGES TO CONSTITUTE A LIEN.

The owner of such lot, land or premises served by a connection to the sanitary and combine sewage system of the village or having such connection available, as well as the lessee of such lot, land or premises, shall be liable to the village for any charge or rental levied by or pursuant to this subchapter, and each charge or rental levied by or pursuant to this subchapter is hereby made a lien upon the corresponding lot, land or premises served by a connection to the sanitary and combined sewage system of the village, or having such connection available. If the same is not paid within 30 days after it shall be due and payable, it shall be certified to the County Auditor, who shall place the same upon the tax duplicate of the county with the interest and penalty allowed by law and be collected as other taxes are collected.

(Ord. 474, passed 7-20-54)

§ 52.54 CREATION AND ENFORCEMENT OF REGULATIONS.

(A) The charges or rentals levied pursuant to this section shall be collected by the Village Administrator.

(B) The Village Administrator shall make and enforce such bylaws and regulations as may be necessary for the safe, economical, and efficient management and protection of the village sewage system and the sewage pumping, treatment and disposal works, for the construction and use of house sewers and connections to the sewage system, and for the regulation, collection, rebating and refunding of charges or rentals.

(Ord. 474, passed 7-20-54)

§ 52.55 DEPOSIT OF FUNDS.

(A) The funds received from the collection of the charges or rental authorized by this subchapter shall be deposited in a like manner as other village funds, and shall be accounted for and be known as the "Sewer Fund."

(B) When appropriated by the Village Council, such funds shall be available for the payment of the costs and expenses of the management, maintenance and repair of the village sanitary and combined sewage system and the sewage pumping, treatment and disposal works.

(C) Any surplus in such fund shall be used for the enlargement or replacement of such sanitary and combined sewage system, pumping, treatment and disposal works, for construction and reconstruction of main and interceptor storm sewers, and for the payment of the interest on any debt incurred for the construction thereof, except that no part thereof shall be used for the extension of such sewage system as local sewers into unsewered areas or for any other purpose.

(Ord. 474, passed 7-20-54; Am. Ord. 554, passed 3-19-63)

Statutory reference:

Funds from sewer rentals, see R.C. § 729.52

§ 52.56 DISCONNECTION FOR LATE PAYMENT.

(A) It is the policy of the village to discontinue utility service to customers by reason of nonpayment of bills only after notice and a meaningful opportunity to be heard on disputed bills. The village's form for application for utility service and all bills shall contain, in addition to the title, address, room number, and telephone number of the official in charge of billing, clearly visible and easily readable provisions to the effect:

(1) That all bills are due and payable on or before the date set forth on the bill; and

(2) That if any bill is not paid on or before that date, a second bill will be mailed containing a cut- off notice that if the bill is not paid within ten days of the original payment due date, service will be discontinued for nonpayment; and

(3) That any customer disputing the correctness of his or her bill shall have a right to a hearing at which time he or she may be represented in person and by counsel or any other person of his or her choosing and may present orally or in writing his or her complaint and contentions to the village official in charge of utility billing. This official shall be authorized to order that the customer's service not be discontinued and shall have the authority to make a final determination of the customer's complaint.

(B) Requests for delays or waiver of payment will not be entertained; only questions of proper and correct billing will be considered. In the absence of payment of the bill rendered or resort to the hearing procedure provided herein, service will be discontinued at the time specified, but in no event until the charges have been due and unpaid for at least ten days.

(C) When it becomes necessary for the village to discontinue utility service to a customer for nonpayment of bills, service will be reinstated only after all bills for service then due have been paid, along with a turn-on charge to be established by the Village Council.

(Am. Ord. 15-2011, passed 1-17-12)

§ 52.57 ADJUSTMENTS IN SEWER SERVICE OVER BILLING OR UNDER BILLING.

(A) If a customer has been overcharged for sewer service because of a malfunction in the metering system or a billing error, overcharges will be refunded to the customer for the entire period of inaccurate billing, if that period is discernible by the municipality. If the period of inaccurate billing is not discernible, overcharges will be calculated based on a time period that is the shortest of the time elapsed since the customer's service began, the date of installation of the faulty meter or implementation of the error resulting in the overcharge (if applicable), or 365 days.

(B) If a customer has been undercharged for sewer service because of a malfunction in the metering system or a billing error, undercharges will be billed to the customer, and the customer shall pay the charges for the entire period of inaccurate billing, if that period is discernible by the municipality. If the period of

inaccurate billing is not discernible, undercharges will be calculated based on a time period that is the shortest of the time elapsed since the customer's service began, the date of installation of the faulty meter or implementation of the error resulting in the undercharge (if applicable), or 365 days. Undercharges billed to residential customers shall in no event exceed a period of 365 days. Customers shall have the option to pay the amount undercharged in equal payments spread over the same number of months as the charges were accumulated.

(C) This section does not serve as a limitation to billing for undercharges which are the result of tampering with utility equipment or theft of utility service, or where a physical act of a customer of its agent causes inaccurate or no recording of the meter reading, or inaccurate or no measurement of the water rendered.

(Ord. 7-2017, passed 8-7-17)

§ 52.99 PENALTY.

(A) Any person who shall violate any provision of this chapter for which no other penalty has been provided shall be punished as provided in § 10.99.

(B) Whoever violates the provisions of § 52.01 shall be fined as provided in § 10.99 for the first and each succeeding occurrence.

(Ord. 531, passed 6-7-60; Am. Ord. 641, passed 6-5-73)

(C) Whoever violates the provisions of § 52.06 shall be fined as provided in § 10.99 for each violation. Each day in which any such violation shall continue after a period of 30 days following the original conviction shall be deemed a separate offense.

(Ord. 592, passed 8-19-69)

(D) Violations of §§ 52.20 through 52.35.

(1) If violations of any provision of §§ 52.20 through 52.35 shall be found, a written notice, stating the nature of the violation, shall be sent by first class mail to the person apparently guilty of the violation. This notice shall be deemed sufficient, in the event of violation, if sent to the address of that person as shown on water account records. The notice shall, in all cases, set forth a time limit during which all noted violation shall cease and be abated, and appropriate corrective action taken, and if the violator shall not thus comply, the provisions of the following paragraph shall then apply.

(2) Any person who shall continue any violation beyond the time limit provided for in division (D)(1) of this section shall be guilty of a misdemeanor, and upon conviction thereof shall be subject to the penalty prescribed by § 10.99. Each day in which any such violation shall continue shall be deemed a separate offense.

(3) Any person violating any of the provisions of §§ 52.20 through 52.35 shall become liable to the village for any expense, loss or damage occasioned the village by reason of such violation, notwithstanding whether the person may have been prosecuted for a violation of the terms of §§ 52.20 through 52.35.

(4) Any person violating state or federal regulations as a consequence of violating any provisions of §§ 52.20 through 52.35 shall be subject to penalties imposed by state or federal regulations, irrespective of the provisions of this section.

(Ord. 678, passed 9-7-76)

§ 53.085 BILLING, METER TESTING, PAYMENT OF WATER BILLS, ADJUSTMENTS.

(A) All bills for water service shall, at the option of the utility, be rendered either monthly, bi-monthly or quarterly as may be specified in the utility's applicable rate. Bills are payable on or before the date specified on bill and, if so paid, the net rates and charges set forth in the utility's schedule shall apply. If not so paid, the gross rates set forth in the applicable schedule shall apply. Failure to receive the bill will not entitle the consumer to the net rates nor to the remission of any charge for nonpayment within the time specified.

(B) In the event of the stoppage of or the failure of the water meter to register the full amount of water consumed, the consumer will be billed for such billing period on an estimated consumption basis which will be based upon the consumer's normal use of water in a similar period during the time the meter was registering correctly.

(C) If a question arises as to meter accuracy and the consumer requests the utility to test the meter, the following procedure and charges applies:

(1) If the meter is found to be correct within 2%, the consumer shall pay the applicable charge specified in § 53.089. This payment is to partially cover the costs involved to remove the meter, bring it into the shop, test same and reinstalling the original or at the utility's option a replacement meter.

(2) If the meter inaccuracy is found to be greater than 2%, the expense of the test shall be borne by the utility. Where the meter inaccuracy is in excess of 2%, the adjustment shall not cover a period of water usage that is in excess of the regular billing period.

(D) All meter readings and billings shall be in the measured units specified in the applicable rate schedule, either in 1,000's gallons or 100's of cubic feet.

(E) For service involving a partial billing period where either the initial billing period after service is first established or the final billing period up to the time discontinuance of service by the consumer is less than the regular billing period, the following billing procedure will apply:

(1) *Where "system capacity charge" does not apply.*

(a) When service is initially established to the consumer and the period of service involves 5 days or less of the utility's regular billing period when billed monthly or 10 days when billed bi-monthly or 15 days when billed quarterly, the consumer's initial usage will be carried over into the next succeeding regular billing period at that location and shall be combined with and be considered as part of same.

(b) For all other service furnished for a partial billing period of more than 5 days when billed monthly or 10 days when billed bi-monthly or 15 days when billed quarterly, and all final bills irrespective of the number of days of service, the bill shall be calculated in accordance with the rate blocks and charges (including minimum charges) as set forth in the applicable rate schedule and no proration of rate blocks or minimum charge shall be made.

(2) *Where "system capacity charge" applies.* For initial service where the capacity charge as set forth in the schedule is applicable, the capacity charge will be billed as follows:

(a) Where the initial period of service is 5 days or less when billed monthly or 10 days when billed bi-monthly or 15 days when billed quarterly, the capacity charge shall be combined and made a part of the succeeding billing period at that location.

(b) Where the initial period of service is from 6 to 15 days inclusive when billed monthly or 16 to 30 days when billed bi-monthly or more than 30 days when billed quarterly, the capacity charge will be prorated and billed on a 50% basis. The commodity charge shall in all cases be billed as is actually set forth in the rate schedule with no proration rate blocks whatever.

(c) Where the initial period of service exceeds the corresponding periods specified in division 2(b) above, or where a final bill is involved, the billing shall be as set forth in the applicable rate schedule and no proration of the capacity charge, rate blocks or minimum charges shall be made.

(F) A consumer who intends to move from the premises or discontinue the use of water shall give the utility reasonable notice of such intention as specified in § 53.086. The consumer or property owner shall be liable for all water used on the premises until such notice is given and the utility has made the final meter reading and determined the consumer's or property owner's liability as to the payment of bills for water service furnished to final meter reading data.

(G) All water that passes through a meter shall be charged for, whether used, wasted, stolen, or lost by leakage, at the standard water rate for the consumer. Water charges may be adjusted for the following reasons:

(1) An inaccurate meter as set forth in § 53.085(C).

(2) An improper billing of the account.

(3) Any other adjustment required to correct proven inequities in billing.

(4) When a property owner or village personnel discover a problem on the customer's property, such as a service line break or leak, which causes significant increase in water usage to the property, above the normal average usage, and the problem was not caused by the negligent actions of the property owner, the Village Administrator may, depending upon the specific documented circumstances, charge the property owner for the water that passed through the meter at the village's lowest user rate of the standard customer rate. The lost, unused water shall be considered to be the amount of water passing through the meter which is greater than the average use for any billing period over the previous 12 months.

(H) The following procedures shall be used for appeal of the Village Administrator's decision regarding the adjustment of the water billing amount:

(1) Rulings of the Village Administrator may be appealed in writing to the Adjustment Committee. Notice of the appeal shall be delivered to the Village Administrator no later than 30 days after the billing date unless good cause is shown why the appeal should be considered after 30 days. The notice shall include any and all documentation or written statements the appellant may want considered by the Adjustment Committee.

(2) An Adjustment Committee shall be created within the village to consider appeals of the Village Administrator's decision for adjustments to water billings. The Adjustment Committee shall have the same members of Council as the Village Property Maintenance Committee as set forth in § 93.40(E)(1). Other persons may be called on as needed, in order to provide input that is necessary to resolve the matter at hand.

(3) The written request for an appeal from a customer shall be considered by the Adjustment Committee which will investigate the matter before it and consider all pertinent facts in reaching a conclusion of the matter. The Adjustment Committee may consider the appeal on the written documents or, at its discretion, hold a hearing on the appeal. The Adjustment Committed shall answer the appeal in writing to the customer within 30 days.

(Ord. passed 5-1-80; Am. Ord. 08-2012, passed 8-6-12)

§ 53.086 RESPONSIBILITY OF PAYMENT OF BILLS BY PROPERTY OWNER.

(A) For all service inside the corporate limits of the municipality, the present property owner of record of the premises to which water service is furnished shall be responsible for the payment of all water bills for such service, irrespective of who incurred such unpaid bills or when such bills were incurred or who owned or occupied the property at the time the bills were incurred.

(B) For the convenience of the property owner or tenant, the utility will, at the property owner's request, bill the tenant direct for the water service used, but will require a suitable deposit as specified in § 53.087. In such an event all bills will be addressed to the property owner, attention of the tenant, and mailed to the address of the premises being served. Such billing and deposit shall in no way relieve the property owner of being responsible for all bills for water used on his or her premises to the extent that the aggregate amount of any such delinquent bills due exceeds the deposit.

(C) As authorized by Ohio Constitution, Article XVIII, § 4, all unpaid water bills may be assessed and collected as a tax lien against the property involved.

(D) All gross bills and other charges due for water service, if not paid within 90 days after same are due and payable, shall become a lien upon the premises being supplied with water service. Such a lien shall be certified to the County Auditor at which time the lien shall vest and the Auditor who shall place same on the tax duplicate of the county, together with the interest and penalties allowed by state law and shall be collected in the same manner as other taxes.

(E) After the certification to the County Auditor, the Village Administrator is authorized to shut off water service to the premises until the unpaid water service charges have been paid except as hereinafter provided. For further details on disconnection for nonpayment, see § 52.56.

(F) Without, in any manner, affecting the certification of lien or the property owner's liability, the Village Administrator may permit the reestablishment of water service (when the same has been shut off as provided herein) providing a suitable deposit is obtained as provided hereafter under § 53.087.

(G) Notwithstanding the foregoing responsibilities of the property owner, if past payment of water bills at a service location has been unsatisfactory, a deposit may be required to be made as provided in § 53.087.

(Ord. passed 5-1-80)

§ 53.087 DEPOSITS.

(A) At the request of the property owner and without, in any manner, implied or otherwise relieving the property owner of any of his or her responsibility for the payment of all bills for water service, the utility may bill the tenant direct. In such an event, in order to secure the tenant's account and to protect the property owner within reasonable limits, but assuming no responsibility as to adequacy of financial protection, before service is established, the utility may require the tenant to make a suitable advance deposit, as specified in § 53.089.

(B) Notwithstanding the responsibility of the property owner for the payment of water bills as specified in § 53.086, in the event that the consumer's or property owner's past record of payment of accounts has been unsatisfactory or his or her water usage indicates that additional deposits are required to properly secure his or her account, the utility reserves the right to require an additional deposit.

(C) The utility shall have a reasonable time in which to read, remove or disconnect the meters after receiving the notice from the consumer. The utility shall then ascertain that all obligations of the consumer (including all accounts due the utility by the consumer) have been settled in full prior to the return by the utility any deposits of the consumers.

(D) Upon discontinuance of service, such deposit as may remain in excess of any such indebtedness owed the utility will be refunded to the consumer. Should any deficiency exist, the same shall be paid by the property owner as provided elsewhere in this chapter.

(Ord. passed 5-1-80)

§ 53.088 WATER RATES.

(A) Water rates for inside the corporate limits of the village shall be as follows:

Inside Residential Rates	
Usage	***Rate***
First 4,500 gallons	$21.00 (minimum)
Next 4,500-10,000	$4.34 per 1000 gallons
Next 10,000-30,000	$4.02 per 1000 gallons
Next 30,000-90,000	$3.66 per 1000 gallons
Next 90,000-360,000	$3.29 per 1000 gallons
Greater than 360,000	$2.98 per 1000 gallons
Senior citizens, age 65 and older, will receive a 5% discount.	

Inside Commercial Rates	
Usage	***Rate***
First 4,500 gallons	$24.00 (minimum)
Next 4,500-10,000	$4.96 per 1000 gallons
Next 10,000-30,000	$4.59 per 1000 gallons
Next 30,000-90,000	$4.18 per 1000 gallons
Next 90,000-360,000	$3.76 per 1000 gallons
Greater than 360,000	$3.41 per 1000 gallons

(B) Water rates for outside the corporate limits of the village shall be as follows:

Outside Corporate Limits Residential	
Usage	***Rate***
First 4,500 gallons	$27.00
Next 4,500-10,000	$5.64 per 1000 gallons
Next 10,000-30,000	$5.23 per 1000 gallons
Next 30,000-90,000	$4.76 per 1000 gallons
Next 90,000-360,000	$4.28 per 1000 gallons
Greater than 360,000	$3.87 per 1000 gallons

Outside Corporate Limits Commercial	
Usage	***Rate***

First 4,500 gallons	$31.00
Next 4,500-10,000	$6.45 per 1000 gallons
Next 10,000-30,000	$5.97 per 1000 gallons
Next 30,000-90,000	$5.43 per 1000 gallons
Next 90,000-360,000	$4.89 per 1000 gallons
Greater than 360,000	$4.43 per 1000 gallons

(C) In addition to the rates set forth in divisions (A) and (B) above, each month a Water Supply Cost Adjustment (WSCA) Charge shall be added to each water customer's water bill. The WSCA Charge shall be determined by multiplying the Water Supply Cost Adjustment Factor (WSCAF), as set forth below, by the customer's water usage. The monthly WSCAF shall be determined by dividing (1) the village's past 12 month's water supply costs, by (2) the thousands of gallons (Mgal) of water sold during the most recent 12 months (excluding bulk water sales), and then subtracting (3) the base cost of water supply included in the village's base water rates of $2.03 per Mgal. If the rates charged by the village's water supplier are modified, the water supply costs for the past 12 months set forth in (1) above shall be adjusted to reflect the new rates. If the resultant WSCAF is less than $0.0000 per Mgal, the WSCAF applied to customers' bills will be $0.0000 per Mgal.

(D) The rate for bulk water supplied through the village's designated water filling station shall be $0.25 per 59.5 gallons.

(Ord. passed 5-1-80; Am. Ord. passed 8- -91; Am. Ord. 1-97, passed 2-3-97; Am. Ord. 35-98, passed 11-2-98; Am. Ord. 21-2003, passed 12-1-03; Am. Ord. 18-2008, passed 11-3-08; Am. Ord. 05-2010, passed 4-5-10)

§ 53.089 CHARGES FOR CONNECTION, DISCONNECTION, AND OTHER SPECIAL SERVICES.

To partially offset the additional expense caused the utility to furnish special services requested or caused by the consumer, such as the connection and disconnection of service deposits, collection of accounts, meter testing and the like, the charges and requirements set forth in this section and subsequent revisions thereof shall apply.

Description of Service Furnished	***Charge***
New account, to establish a new account	None
Trip charge, for location of new service	None
Trip charge, for disconnection of service involving final bill	None
Account transfer, for name change only where no trip is involved	None
Trip charge, to collect or disconnect delinquent account - per trip	$25
Trip charge, to reconnect service disconnected for nonpayment of bill (Utility has the option to waive the first reconnection charge)	$25
Trip charge, to reconnect service disconnected for violation of rules and regulations not specified in this table	$50
Trip charge, to reconnect service after disconnection for failure to comply with the utilities general rules and regulations	$50
Trip charge, to reconnect or disconnect at consumer's request (a) During regular working hours (based on availability of staff)	None

(b) During holidays or during non-regular working hours (after hours, duty person gets 2 hours minimum at time on one-half instead of regular turn-on charge)	$50
Deposit Required to secure bill payment:* Water Only Electric Only Water and Sewer Water Sewer and Electric Electric Heat Only Electric Heat, Water and Sewer	 $100 $200 $200 $250 $250 $250
Return of consumer's check or ACH payment by bank for insufficient funds	$25
Initial establishment of temporary service for contractors, mobile homes, trailers, carnivals, festivals and the like.	$50
Fraud or illegal diversion of any utility, reconnection of service charge per 50.006, but not less than:	$100
Testing of meter when requested by the consumer: (a) If the meter is found more than 2% slow or fast (b) If the meter is found less than 2% slow or fast	 No Charge $50
Turn-off of water at the request of the consumer or when it is necessary for the Utility to remove meter to prevent damage from freezing (payable when meter is reinstalled plus any utility bills due)	$25
Replacement of water meter damaged by freezing or hot water backup when caused by negligence of the consumer	Actual Meter Cost
Other special services will be furnished under the following conditions: (a) Service connections after regular working hours, weekends or holidays may be made at option of the utility but shall be considered as a special service subject to a special charge to cover the additional costs involved. In addition to the regular reconnection or trip charge, the consumer shall pay to the utility the actual cost of the special overtime service to include labor, payroll taxes, materials, insurance, benefits, transportation and the like; and all other direct and allocatable costs. (b) All charges shall be added to the consumers regular monthly utility bill and shall be due and payable by the payment date specified, and if not paid, the water service supplied shall be subject to curtailment to a minimum flow of not more than one gallon per hour.	
* The utility reserves the right to require a deposit of up to three months of estimated billing. The deposit does not relieve the property owner of responsibility for utility bill payment.	

(Ord. passed 5-1-80; Am. Ord. 14-2015, passed 3-21-16)

§ 53.090 TAP AND SERVICE LINE INSTALLATION CHARGES.

TAP AND SERVICE LINE INSTALLATION CHARGES (Applicable to § 53.004)					
Diameter of Tap and Size of Service Line (inches)	*Size of Meter (inches)*	*Inside Corporation*		*Outside Corporation*	
		Total Charge	*Advance Deposit*	*Total Charge*	*Advance Deposit*
0.75	5/8 x 3/4	$750	$750	$1,500	$1,500

1.00	1	$1,000	$1,000	$2,000	$2,000
1.50 - 4.0*	TBD	$500	$500	$1,000	$1,000
6.00 and above*	TBD	$1,000	$1,000	$2,000	$2,000

* A compound meter is required for all meters of 2 inches and larger.
* Meters of 2 inches or larger shall be supplied by the consumer according to the utilities specifications.
* Inspection Fee Only.

(Ord. passed 5-1-80; Am. Ord. 14-2015, passed 3-21-16)

§ 53.091 ADJUSTMENTS IN WATER SERVICE OVER BILLING OR UNDER BILLING.

(A) If a customer has been overcharged for water service because of a malfunction in the metering system or a billing error, overcharges will be refunded to the customer for the entire period of inaccurate billing, if that period is discernible by the municipality. If the period of inaccurate billing is not discernible, overcharges will be calculated based on a time period that is the shortest of the time elapsed since the customer's service began, the date of installation of the faulty meter or implementation of the error resulting in the overcharge (if applicable), or 365 days.

(B) If a customer has been undercharged for water service because of a malfunction in the metering system or a billing error, undercharges will be billed to the customer, and the customer shall pay the charges for the entire period of inaccurate billing, if that period is discernible by the municipality. If the period of inaccurate billing is not discernible, undercharges will be calculated based on a time period that is the shortest of the time elapsed since the customer's service began, the date of installation of the faulty meter or implementation of the error resulting in the undercharge (if applicable), or 365 days. Undercharges billed to residential customers shall in no event exceed a period of 365 days. Customers shall have the option to pay the amount undercharged in equal payments spread over the same number of months as the charges were accumulated.

(C) This section does not serve as a limitation to billing for undercharges which are the result of tampering with utility equipment or theft of utility service, or where a physical act of a customer of its agent causes inaccurate or no recording of the meter reading, or inaccurate or no measurement of the water rendered.

(Ord. 7-2017, passed 8-7-17)

CHAPTER 54: STORMWATER DRAINAGE UTILITY

Section

§ 54.01 STORMWATER DRAINAGE UTILITY CREATED; RATES.

(A) It is hereby declared to be in the best interest of the village to form a structure and procedures designed to better manage stormwater and provide for storm drainage improvements, recognizing that all

real property within the village will benefit from the installation of an adequate storm drainage system, and that the cost of such a system should therefore be assessed against such property.

(B) There is hereby established in the village a Stormwater Drainage Utility, the village hereby declaring its intention to acquire, own, construct, equip, operate, and maintain open drainageways, underground storm drains, equipment and appurtenances necessary, useful, or convenient for a complete stormwater drainage system, including the maintenance, extension, and improvement of the present storm drainage system.

(C) The Village Administrator shall manage, conduct, and control the Stormwater Drainage Utility, and is authorized to develop and adopt plans, policies, and regulations necessary or desirable for the regulation and operation of such utility.

(D) There is hereby levied and imposed upon all premises which have been improved within the village just and equitable charges for storm drainage service or subsequent service, maintenance, operation, and extension, and to establish a Storm Drainage Fund for the foregoing purposes.

(E) Such charges shall be collected with the monthly water bill of water users, billed with sanitary sewer for those connected to sewer alone, or billed alone as a storm drainage charge for those users not connected to or not charged for village water or sanitary sewer.

(F) Such charges shall be paid monthly by those liable therefor, and placed in a Storm Drainage Fund to be used only for the purposes stated herein.

(G) It is hereby determined that property is furnished service in proportion to the amount of the property's impervious surface. The basic unit of service is 4,200 square feet of impervious surface applicable to all conventionally developed residential properties. All other properties shall be furnished service equivalent to multiples of basic service units of 4,200 square feet of impervious surface as calculated for individual properties by the Village Administrator.

(H) Rates shall be set by action of the Village Council. In no year shall the operating fund of the utility show a loss.

(I) The rate for residential properties, which is based on a unit of 4,200 square feet, shall be $14.00 per month of service effective with the utility bills rendered on or about April 1, 2013, $15.00 per month of service effective with the utility bills rendered on or about January 1, 2014, $16.00 per month of service effective January 1, 2015, $17.00 per month of service effective January 1, 2016 and $18.00 per month of service beginning January 1, 2017. All other properties shall be billed at multiplies of the basic service units of 4,200 square feet per month.

(J) The established rates may be reduced for a property, other than a conventionally developed one or two family property, where approved runoff control measures have been implemented. Review and analysis of these measures shall be handled on an individual case basis by the Village Administrator. The maximum rate reduction shall be 50% of the established rate. Any person aggrieved by a decision of the Village Administrator under this section may appeal to the Court of Common Pleas of Ottawa County, Ohio, pursuant to R.C. Chapter 2506.

(K) The owner of any property subject to a charge provided herein shall pay the same, when due, to the village. If any charges due hereunder are not paid when due, the Village Solicitor shall collect them by actions at law in the name of the village.

(Ord. 11-89, passed 4-17-89; Am. Ord. 3-99, passed 3-15-99; Am. Ord. 31-2007, passed 10-15-07; Am. Ord. 07-2010, passed 4-5-10; Am. Ord. 01-2013, passed 2-4-13) Penalty, see § 10.99

Cross-reference:

Disconnection for late payment, see § 52.56

§ 54.02 STORM SEWER TAP INSTALLATION CHARGES.

TAP AND SERVICE LINE INSTALLATION CHARGES (applicable to § 53.004)					
Diameter of Tap	***Size of Service***	***Inside Corporation***		***Outside Corporation***	
		Total Charge	***Advance Deposit***	***Total Charge***	***Advance Deposit***
4.00"	4"	$100	$100		
6.00"	6"	$200	$200	Salem Sewer District taps	
8.00"	8"	$1,500	$1,500	Provided by Ottawa County	
10.00 " and above	10" +	$5,000	$5,000	Sanitary Engineers Office	

(Ord. 14-2015, passed 3-21-16)