



APEX CONSULTING

SURVEY & ENGINEERING SERVICES, P.C.

SURVEYING • ENGINEERING • LANDSCAPE ARCHITECTURE

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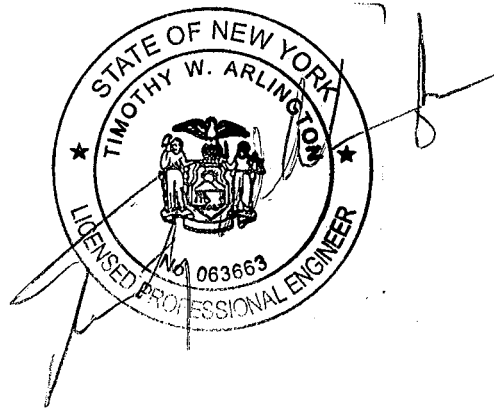
## ENGINEERING REPORT

FOR

### ***AIKEN ROAD SEWER EXT.***

FROM 6583 TO 6595 AIKEN ROAD

TOWN OF PENDLETON, NIAGARA COUNTY



JULY 2020

APEX JOB NO. 21-070

This project entails to the extension of the 8" PVC SDR 35 sanitary sewer main 90 LF from the existing end line manhole at 6583 Aiken Road to 6595 Aiken Road, Town of Pendleton so that Tina & James Geffers can connect to a public gravity sanitary sewer main. This will enable them to abandon their 50± year old septic system. The new sanitary sewer main will extend south 90 LF on the east side of the Public R.O.W. at 0.40% slope. The 90 LF sewer main will end with a terminal clean out in front of the Geffers homes. They are the only new sewer service connection. The new sanitary sewer will be between 10.60 feet deep at connection and 10.26 deep at termination. The new population served is four people. The sewage is tributary to the NCSD #1 main line that sends the sewage to the NCSD Treatment Plan on River Road, Town of Wheatfield

**APPLICATION FOR APPROVAL OF PLANS FOR A WASTEWATER DISPOSAL SYSTEM**

1. NAME OF APPLICANT <i>Town of Pendleton</i>		2. LOCATION OF WORKS (City, Village, Town) <i>Town of Pendleton</i>		3. COUNTY <i>Niagara</i>	
4. ENTITY OR AREA SERVED <i>1 Home Aiken Rd.</i>		5. Type of Ownership: <input checked="" type="checkbox"/> Municipal <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Sewage Works Corp <input type="checkbox"/> Private - Home <input type="checkbox"/> Private - Other <input type="checkbox"/> Private - Institutional <input type="checkbox"/> Board of Education <input type="checkbox"/> Authority <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Interstate <input type="checkbox"/> International <input type="checkbox"/> Indian Reservation			
6. TYPE AND NATURE OF CONSTRUCTION		7. ESTIMATED COST OF CONSTRUCTION			
Collection System <input checked="" type="checkbox"/> New Works <input type="checkbox"/> Additions or Alterations Treatment and/or Disposal <input type="checkbox"/> New <input type="checkbox"/> Additions or Alterations		Collection System <i>\$ 10,000</i>		Treatment and/or Disposal	
8. TYPE OF WASTE <input checked="" type="checkbox"/> Sewage <input type="checkbox"/> Industrial (Specify) _____ <input type="checkbox"/> Industrial (Specify) _____					
9. NAME OF RECEIVING TREATMENT WORKS <i>Niagara County Sewer District</i>		10. POINT OF DISCHARGE			
		Surface Water: (Name of Watercourse) <i>Niagara River</i>		Class <i>A'</i>	
11. IS STATE OR FEDERAL AID APPLIED FOR? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Ground Water: (Name of Watercourse to which ground water is tributary) <i>Tonawanda Creek</i>		Class	
Give Project No. _____		LOCATION (City, Village, Town)	TYPE OF PERMIT <input type="checkbox"/> NPDES <input type="checkbox"/> SPDES	PERMIT NO.	DATE ISSUED
12. NAME OF DESIGN ENGINEER <i>Timothy W. Arlington, P.E. Apex Consulting Survey &amp; Engineering Services PC</i>			NEW YORK STATE LICENSE NO. <i>063663</i>		
ADDRESS <i>102 East Ave Lockport NY 14094</i>			TELEPHONE NO. <i>(716) 439-0188</i>		
13. WATER CONSUMPTION (GPD)					
Present <i>0</i>		Future <i>390 GPD</i>		Design Year <i>2022</i>	
14. POPULATION SERVED					
Present <i>0</i>		Future <i>4</i>		Design Year <i>2022</i>	
15. AVERAGE DAILY FLOW FOR NEW OR EXISTING TREATMENT WORKS (GPD)					
Present <i>0</i>		Future <i>390 GPD</i>		Design Year <i>2022</i>	
16. SOURCE OF WATER SUPPLY (If private well; give location, type, depth and character of soil) <i>Town of Pendleton</i>				17. DESIGN EQUIVALENT POPULATION (BOD Basis)	
				Design Flow GPD	Design Plant Efficiency %
18. GIVE NUMBER, CHARACTER AND DISTANCE OF ANY BUILDINGS WHICH MAY BE AFFECTED BY THE PROPOSED TREATMENT WORKS <i>NA</i>				19. DESCRIBE PROPOSED OR EXISTING STORM WATER DISPOSAL <i>Surface Drainage to Roadside Ditch</i>	
<b>ADDITIONAL INFORMATION MUST BE SUBMITTED FOR PRIVATE AND INSTITUTIONAL SYSTEMS.</b>					
20. INDICATE OF U.S.G.S. TOPOGRAPHIC MAP EXACT LOCATION OF SEWAGE TREATMENT WORKS AND ADJACENT BUILDINGS. SHOW LOCATION OF ALL WELLS OR OTHER SOURCES OF WATER SUPPLY WITHIN 200' OF THE PROPOSED WORKS. GIVE DESCRIPTION OF THESE SOURCES AND CHARACTER OF SOIL. <i>see design plan</i>					
21. STATE DEPTH BELOW EXISTING GROUND SURFACE AT WHICH GROUND WATER IS ENCOUNTERED <i>6'</i>			22. DESCRIBE SOIL AT SITE OF PROPOSED WORKS, GIVE DESIGN BASIS AND OBSERVED SOIL PERCOLATION RATE DATA (Use additional sheet, if necessary) <i>silty clay soil. Percolation Rate greater than 60 minutes</i>		
DATE: _____					

**NOTE:** All applications must be accompanied by plans, specifications and completed Form BSP-65 (appropriate portions). The submission must conform to a previously approved engineering report describing the system in detail. The plans must be stamped with the designing engineer's seal and must be of sufficient clarity and eligibility to permit satisfactory microfilming. Only white prints will be accepted because of the difficulty of microfilming blue prints. There must be a blank area, at least 4" x 7", in the lower right corner of each sheet so that the approval stamp may be placed on the face of the plans.

Any deviation from the Department's standards for wastewater collection and treatment facilities must be explained in detail.

Approved plans are to be returned to:  Applicant  Engineer

**If the application is signed by a person other than the applicant shown in Item 1, the application must be accompanied by a letter of authorization. Failure to comply with this provision may be grounds for the rejection of any submission.**

I hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Signatures and Official Titles:

Town of Pendleton Water & Sewer Dept.

Mailing Address:

6640 Campbell Blvd.

Lockport, NY 14094

Date of Application:

July 9, 2021

REMARKS: