Supplement to Form A - B1

Permit-to-Install/Plan Approval Application

Sanitary Sewers

			FOR A	AGENCY USE O	NLY			
Application I	Number:			Date Re	eceived: /	1		
Applicant:								
Facility Own	er:							
Ultimate ow	ner (if differe	nt):						
Application/I	Plans Prepar	ed by:						
Project Nam	ie:							
1. Project D	oscription							
-		oizo and ourre	ant development	of the area to	ho comind List	otroot addroo	o townohin	oounty and
	the possibili		ates in describino anitary sewer e	g location. xtensions will co	onnect to the sa	anitary sewer	s which are	the subject
(If Yes , fill d. Indicate	out attachme type(s) of se ional gravity	ent to Form B1) wers proposed	(check all that a all diameter grav	ewer construction pply): ity (w/septic tank	s) 🗌 Pres	ssure (GP or Sce main (must		□ No
2. Pipe Spe Please ident		e (as indicated ir	n 1d above) and	size of pipe inclu	ıded in this proje	ct.		
Туре	Pipe Size	Pipe Material	Material * Specification	Joint* Specification	Bedding** Classification	Minimum Slope	Pipe Length	Maximum Manhole Spacing
the standard fo ** 100 percent	r approval with t to pass ¾-1.0 in	the Permit-to-Install. sich sieve. ASTM C-	12 (A, B, C), D-2321	l ion that does not app (IA, IB, II, III), or oth dsw/pti/PipeSpecs.a	er.	I pipe specification	list, the applica	I nt shall submit

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3.	Design Flow in Proposed Sewer				
	entify flows expected at start-up (for example, currently existing flows design (for example, start-up flows plus flows from future phases of				expected
		Average Daily Flow	Peal	k Hourly	y Flow
	Start-Up Flows (based on immediate area served)	MGD			MGD
	Design Flows (based on planned area served)	MGD			MGD
	Hydraulic Capacity of Sewer	MGD			MGD
A	ssumptions used to calculate above flows: (check all that apply)	Start-Up		Design	n
	Residential Population at: gal/home*	homes			homes
	Residential Population at: gal/cap/day	people			people
	Non-Residential Flows (for example commercial, industrial, etc.):	MGD			MGD
	Computer Flow Modeling Results (attach explanation and data)				
	*120 gallon/bedroom in accordance w/ OAC 3745-42-05 unless additional i	nformation is submitted			
4.	Receiving Wastewater Treatment Facility				
a.	What treatment facility will be receiving flow from these sewers?				
	Present treatment facility average daily flow	MGD (based on	/20 (r	nonth/y	ear) ADF)*
	Proposed treatment facility average daily flow (based on present average daily flow plus all connections currently under construction or being				MGD
	Design average daily flow of the treatment facility	MGD (based o	on	de	sign year)
b.	Does the treatment facility have adequate capacity to treat anticipat plus the proposed sewers based on the sewer's design capacity? If No , on a separate sheet, please describe the steps being taken to has adequate capacity. Include specific work items and schedules a	ensure that the treatment fac		Yes	□ No
C.	Is there intent to expand the treatment facility to treat additional flow	s?		Yes	☐ No
	*Note: Flow data to be no older than one calendar year from date of PTI sub	bmission			
5.	Sewer Design				
	Are the sewers deep enough to serve all adjacent basements? (refer to GLUMRB, <i>Recommended Standards for Wastewater Facilit</i>	ies, 2004, Section 33.2)	☐ Yes	□No	
	If No, please explain how the basements will be served:				
b.	Are sewers at a sufficient depth to prevent freezing? (GLUMRB Sec	tion 33.2)	Yes	☐ No	
	If No , please explain how freezing will be prevented:				
C.	Where small sewers join larger ones, have the inverts of the larger s sufficiently to maintain the same energy gradient? (GLUMRB Section \mathbb{R}^2		☐ Yes	□No	□ N/A
d.	Have provisions been made to protect sewers against displacement at velocities over 15 fps? (GLUMRB Section 33.45)	by erosion and impact	☐ Yes	□No	□ N/A
e.	Are sewers with slopes greater than 20 percent secured with concre spaced as required? (GLUMRB Section 33.46)	te anchors (or equal),	☐ Yes	☐ No	□ N/A
f.	Are there any overflows or bypasses upstream of the point of connect may be impacted by the flows from the new sewer?	tion that	☐ Yes*	☐ No	
	Are there any sanitary overflows or bypasses or combined sewer over the point of connection?	erflows downstream	☐ Yes*	□No	
* (If Yes to f. or g., on a separate sheet provide a description of the exact locate	ion of any overflows or bypasses	;)		
h.	Is the force main designed to withstand water hammer pressures an of stresses that are expected with the cycling of wastewater pump st (GLUMRB Section 49.4)		☐ Yes	□No	□ N/A
	If No , please explain:				

6. Stream Protection			
a. Are there any stream crossings? (If Yes, fill out the stream evaluation addendum)	☐ Yes*	□ No)
If Yes,			
1. How many crossings are made? (GLUMRB Section 36.14) Number of crossings			
2. Are the crossings perpendicular to the stream? (GLUMRB Section 36.14)	∐ Yes	☐ No	
3. Are crossings to be made at previously disturbed areas?	∐ Yes	☐ No	
4. Is the streambed substrate composed primarily of solid rock, sand and gravel, or silt?	∐ Sand/	gravel	∐ Silt
5. In areas of steep slope or unstable soils, are the sewers located on more level, terraced areas?	☐ Yes	☐ No	☐ N/A
6. Are the sewers at a sufficient depth to protect the sewer line? (GLUMRB Section 36.11)	☐ Yes	☐ No	☐ N/A
b. Do any sewers run parallel to any streams?	☐ Yes*	☐ No	
If Yes,			
1. Is there any woody vegetation along the stream banks?	Yes		
2. Are the sewers and construction easements located outside of the vegetated areas?	∐ Yes	∐ No	
3. In areas of steep slope or unstable soils, are the sewers located on more level, terraced areas?	∐ Yes	∐ No	_
* If the response to either a. or b. is Yes , please provide the specific measures in the detail plans and specifications that will be the stream corridor is minimized to the greatest extent possible and that the stream corridor is restored to original condition.	used to ens	ure that d	amage to
7. Manhole Design			
a. Manhole type (precast cast-in-place, etc.):			
b. Material specification (ASTM):			
c. Joint specification (ASTM):			
d. Are watertight frames and covers used wherever manhole tops may be flooded by street runoff or high water? (GLUMRB Section 34.6)	☐ Yes	☐ No	□ N/A
If No , explain*:			
e. Are manholes provided at the upstream end of each line? (GLUMRB Section 34.1)	☐ Yes	☐ No	
If No , explain*:			
f. Are manholes provided at all changes in size, grade, and alignment? (GLUMRB Section 34.1)	☐ Yes	☐ No	
If No , explain*:			
g. Are manholes provided at all sewer intersections? (GLUMRB Section 34.1) If No , explain*:	☐ Yes	□No	
h. Are drop manholes provided where the entrance sewer invert is 24 inches or more above the manhole invert? (GLUMRB Section 34.2) If No , explain*:			□ N/A
i. Are inlet/outlet pipes connected with gasketed flexible watertight connections? (GLUMRB Section 34.6) L res	□ №	
If No , explain*:			
* Attach any additional sheets necessary for explanations.			
8. Protection of Water Supplies			
a. Are there any physical connections between the sewer and a public or private potable water supply system (including all appurtenances)? (GLUMRB Section 38.1)	!	☐ Yes	☐ No
 b. Are any existing public waterworks units (for example public supply wells, water treatment facilities, storage facilities) within 200 feet of the proposed sewer or any private wells within 50 feet of the proposed sewer? (GLUMRB Section 38.2) 	1	☐ Yes	□No
If Yes , specify the plan sheets on which the sources are shown:			
If Yes , will sewers be encased or constructed of watertight pipe? Encased Watertight			
c. Are the sewers at least 10 feet horizontally separated from water lines? (GLUMRB Section 38.31)	[Yes	☐ No
If No , please specify the plan sheets where these conditions are not met & describe the measures to protection of the water system:	aken to en	sure	
d. When crossing water mains, are the sewers at least 18 inches below water lines?	[Yes	☐ No
If No , please specify the plan sheets on which these conditions are not met and describe the measu protection of the water system:	res taken	to ensu	re

9. Installation and Testing				
a. Installation Inspector:				
Name:	Firm:			
Street Address:	·	Pho	one: () -	
City:	State:	Zip	: <u> </u>	
b. What type of sewer leakage test v	vill be used? (GLUMRB 33.9)	☐ Hydro	ostatic	
Page numbers in specifications fo	or testing requirements of gravity and pr	ressure sewers:		
c. Is flexible pipe deflection testing s	pecified? (GLUMRB 33.85)	☐ Yes	☐ No ☐ N/A	
Page numbers in specifications for	or testing requirements of flexible pipe:			
d. What type of manhole testing will	be used? (GLUMRB Section 34.7)			
Page numbers in specifications for	or testing requirements of manholes:			
10. Sewer Use Ordinance				
	undation drains, and other clean wa e plans. Copies of the ordinances or io EPA.			
a. An ordinance/regulation to this eff	fect was adopted on:/ /	(date).		
b. Enforcement of this ordinance/reg	julation is the responsibility of:			
Name:				
Title:				
c. It is the opinion of the engineer su of this ordinance/regulation is bein	ubmitting these plans that adequate enfing properly carried out.	orcement []Yes □ No □	Unknown
11. Authorities				
	on of a county, village, or municipal s be accompanied by written consent of l		o a sewage treat	tment plant
Is a written inter-municipal agreer If No , state what form of consent		Г	☐ Yes ☐ No	□ N/A
40. O. b				
12. Submittals:	lowing unless otherwise directed by Oh	io EDA:		
Four copies of the detail plans	s including profile and plan views of a station facilities, incorporating all of the	all sewers (shown on th		
Two copies of complete technical	al specifications.			
☐ Two copies of the Application in	cluding Form A, pertinent B & C form(s	s), and antidegradation a	addendum (if appli	icable)
13. The foregoing data is a true st	atement of facts pertaining to this p	roposed sanitary sewe	r installation.	
Date: / / Signed:				P.E.
Plans prepared by:				