

DEP Code No.	

RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT

RESOLUTION OF T	HE (SUPERVISORS)	(COMMISSION	ERS) (COUNCILMEN) of	Halfmoon Halfmoon
(TOWNSHIP) (BOR	OUGH) (CITY),	Centre	_ COUNTY, PENNSYL\	/ANIA (hereinafter "the municipality").
Facilities Act, as Am (DEP) adopted there Sewage Facilities Pland/or environmenta whether a proposed	nended, and the rules eunder, Chapter 71 of an providing for sewa Il health hazards from	and Regulation Title 25 of the F ge services ade sewage wastes isposal for a ne	s of the Pennsylvania De Pennsylvania Code, requi quate to prevent contami , and to revise said plan	known as the <i>Pennsylvania Sewage</i> epartment of Environmental Protection re the municipality to adopt an Offician nation of waters of the Commonwealth whenever it is necessary to determine forms to a comprehensive program of
WHEREAS	Mark Maloney land developer	has propo	esed the development of a	a parcel of land identified as
Replot of Parcels		and described in	n the attached Sewage Fa	acilities Planning Module, and
proposes that such treatment facility, ⊠	subdivision be served individual onlot syste	ems, 🗌 commu		tap-ins, ☐ sewer extension, ☐ new pray irrigation, ☐ retaining tanks, ☐
Sewage Facilities Pl ordinances and plans NOW, THEREF (Borough) (City) of _	municip anning Module conforms, and to a comprehen ORE, BE IT RESOLV Halfmoon	rms to applicablesive program of ED that the (Supplement)	e sewage related zoning pollution control and wat pervisors) (Commissioner dopt and submit to DEF	ubdivision described in the attached grand other sewage related municipal er quality management. Tes) (Councilmen) of the (Township) Tes for its approval as a revision to the ereacilities Planning Module which is
attached hereto.	•			
1_ Gmy	<i>MMULL</i> , S (Signature)	Secretary,	Halfmoon	
				that the foregoing is a true copy of
the Township (Boroug	gh) (City) Resolution #	2023-08	_, adopted, <u>January 26</u>	, 20 <u>23</u>
Municipal Address:			.,	,,,,,,
Halfmoon Township 100 Municipal Lane			Column	Seal of Seal o
•	70	***************************************		arining blodd
Port Matilda, PA 168 Telephone 814-692-9			70%	

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814-692-9800

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

Code	No.

townshipclerk@halfmoontwp.us

SEWAGE	FACILITIES	S PLA	NNING MOD	DULE				
Component 2. Individual and Con (Return completed module package to appro			osal of Sewa	ge				
	DEP US	SE ONL'	Y					
DEP CODE # CLIENT ID #	SITE ID		APS ID	#	Al	JTH ID#		
This planning module component is used to (1) proposing the use of individual onlot sew (IRSIS)) and except for those projects qual Chapter 71, Section 71.55, (2) proposing refor composting toilets), (3) proposing municiple	rage disposal sy ifying for the "e taining tanks (indipal permitted co	stems (in xception cluding ho ommunity	icluding individua to the requireme olding tanks, priv onlot sewage o	I residentia nt to revis ies, chemic	al spray in e the Offi cal, incine	rigation systems cial Plan" under rating, recycling		
This component, along with any other docu- jurisdiction over the project site for review at Facilities Planning Module package to be co	nd approval. Al	l appropri	ate documentati	on must be	attached	for the Sewage		
planning modules for land the project (DEP or dele	REVIEW FEES: Amendments to the Sewage Facilities Act established fees to be paid by the applicant for review or planning modules for land development. These fees may vary depending on the approving agency for the project (DEP or delegated local agency). Please see Section R and the instructions for more information on these fees.							
NOTE: All projects must complete Section if indicated ☑. The municipality shof the planning requirements is recrequired.	ould complete	Section Q	if marginal cond	litions are	present a	nd/or if a waiver		
A. PROJECT INFORMATION (See	Section A of in	structions)					
1. Project Name Replot of Parcels 17-2-4	and 17-2-4A							
Brief Project Description Replot of 2 ex single parcel.	isting parcels to	consolida	ate lands on the	southern si	de of SR()550 into a		
B. CLIENT (MUNICIPALITY) INFO	ORMATION (S	See Section	on B of instructio	ns)				
Municipality Name	County		City	E	Boro	Twp		
Halfmoon Township	Centre					\boxtimes		
Municipality Contact Individual – Last Name	First Name		MI	Suffix	Title			
Smith	Amy			- L	Clerk/S	Secretary		
Additional Individual Last Name	First Name		MI	Suffix	Title			
Municipality Mailing Address Line 1	***************************************	Mailing	Address Line 2	········		-		
100 Municipal Lane	<u></u>	<u> </u>	Ot 1	710.4				
Address Last Line – City			State	ZIP+4				
Port Matilda	EAN / - P		PA F	16870	J			
Phone + Ext.	FAX (optional)		⊨mail	(optional)				

C. SITE INFORMATION	ON (See Section C	of instruct	ions)					
Site (Land Development or	Project) Name						1994 2 - 100 April 1994 1994 1994 1994 1994 1994 1994 199	
Replot of Parcels 17-2-4 and	l 17-2-4A							
Site Location Line 1 1145 Halfmoon Valley Road			Site Loca	tior	n Line 2			
Site Location Last Line - City	/	State			P+4	·	Latitude	Longitude
Port Matilda		PA			870		40.812419	
Detailed Written Directions to right and left.	o Site from State Coll	ege: 322	W, Left on	Buf	falo Ru	n Road (Rou	ute 550), 1.6	miles on the
Description of Site Agricultur	al use with accesory	use of sir	ngle family r	esio	dence.		,	
Site Contact (Developer/Ov	vner)						·····	
Last Name	First Name	9	N	ИI	Suffix	Phone	,	Ext.
Maloney	Mark				- 4111111		237-8987	LAC.
Site Contact Title			Site Contac	t Fi	rm (if n	one, leave b		
Owner		(Green Acre	s Ö	ne LLC	and Half M	oon Acres LI	_C
FAX			Email			***************************************		
		ļ	mark@mcm	nma	anagem	entgroup.co	m	
Mailing Address Line 1			Mailing Add	res	s Line 2	2		
193 Eagle Field Road								
Mailing Address Last Line - 0	City	,	State			ZIP+4		
Port Matilda		i	PA			16870		
D. PROJECT CONSU	LTANT INFORM	ATION (See Section	n D	of instr	ructions)		
Last Name		First Na		- 1111-11-	y to de i a cather	discourse an age of the Control	MI	Suffix
Kirsch		Steve						
Title		Consult	ing Firm Na	me)			
Team Leader			, Rowland,					
Mailing Address Line 1		ľ	Mailing Add	res	s Line 2	2		
2568 Park Center Blvd								
Address Last Line – City		State		P+4			Country	
State College Email	Dhana	PA		086	1	***************************************	USA	
skirsch@hrg-inc.com	Phone 814-238-7117		Ext.				FAX	
E. AVAILABILITY OF	Detail Manager Agreement and a contract of the contract of the	FR SHE	PIV					
The project will be provided w	<u>talla topi kalometekstät oliva valta tähteka siitää halva eti valtee valta</u>			· • •	/Chock	appropriato	hov)	
☐ A proposed public was an existing public was a feet of the control of the cont	sisterns. vater supply. vater supply. ater supply is to be us pany stating that it wi	sed, provi	de the nam				·	n documentation

F. PROJECT NARRATIVE (See Section F of Instructions)

A narrative has been prepared as described in Section F of the instructions and is attached.

The applicant may choose to include additional information beyond that required by Section F of the instructions.

G. GENERAL SITE SUITABILITY (See Section G of attached instructions)

This section must be completed when the proposed method of sewage disposal is the use of onlot sewage disposal systems or privies. The purpose of the information provided in this section is to determine the general suitability of the site for onlot disposal of sewage. Site suitability should not be construed as approval for permit issuance on individual lots. Additional testing may be required for permit issuance.

NOTE: If one or more lots in this subdivision are planned to be served by individual residential spray irrigation systems (IRSIS), please see the specific information on IRSIS in Section G.3 of the attached instructions.

PLOT PLAN

The following information is to be submitted on a plot plan of the proposed subdivision or development:

- a. Location of all soil profiles and percolation tests.
- i. Surface waters.

b. Slope at each test area.

j. Wetlands – from National Wetland Inventory Mapping and USDA Hydric Soils Mapping.

c. Soil types and boundaries.

- k. Floodplain or floodprone area soils, floodways (Federal Flood Insurance Mapping).
- d. Existing and proposed streets, roadways, access roads, etc.
- I. Designated open space areas.

e. Lot lines and lot sizes.

- m. Remaining acreage under the same ownership and contiguous lots.
- f. Existing and proposed rights-of-way.
- n. Existing onlot or sewerage systems; pipelines transmission lines, etc., in-use or abandoned.
- g. Existing and proposed drinking water supplies for proposed and contiguous lots.
- o. Prime agricultural land.

h. Existing buildings.

p. Orientation to North

2. RESIDUAL TRACT PLANNING WAIVER REQUEST

A waiver from sewage facilities planning \square is, \boxtimes is not requested for the residual land tract associated with this project. (See Section H, Section Q, Component 4 and instructions for additional information).

3. SOILS INFORMATION

- a. Attach copies of "Site Investigation and Percolation Test Report" (3800-FM-WSFR0290A) (formerly known as "Appendix A") form(s) for the proposed subdivision.
- b. Marginal conditions for long-term onlot sewage disposal **(a)** are, **()** are not present. See marginal conditions information in Sections H and Q and in attached instructions.
- c. If one or more lots in this subdivision are planned to be served by Individual Residential Spray Irrigation Systems (IRSIS), please see the specific information on IRSIS in Section G of the instructions.

4.	4. WETLAND PROTECTION					
	YES NO					
	a. 🛛 🗌	Are there wetlands in the project area? If yes, ensure these areas appear on the plot plan as shown in the mapping or through on-site delineation.				
	b. 🗌 🛚	Are there any construction activities (encroachments, or obstructions) proposed in, along, or through the wetlands? If yes, Identify any proposed encroachments on wetlands and identify whether a General Permit or a full encroachment permit will be required. If a full permit is required, address time and cost impacts on the project. Note that wetland encroachments should be avoided where feasible. Also note that a feasible alternative MUST BE SELECTED to an identified encroachment on an exceptional value wetland as defined in Chapter 105. Identify any project impacts on streams classified as HQ or EV and address impacts of the permitting requirements of said encroachments on the project.				
5.	PRIMARY A	GRICULTURAL LAND PROTECTION				
	YES NO					
		Will the project involve the disturbance of prime agricultural lands?				
		If yes coordinate with local officials to resolve any conflicts with the local prime agricultural land protection program. The project must be consistent with such municipal programs before the sewage facilities planning module package may be submitted to DEP.				
		If no, prime agricultural land protection is not a factor to this project. Proceed to G.6.				
	\boxtimes	Is this project consistent with the municipal prime agricultural land protection program.				
6.	HISTORIC P	RESERVATION ACT				
	YES NO					
	a. 🛛 🗌	Sufficient documentation is attached to confirm that this project is consistent with DEP Technical Guidance 012-0700-001 <i>Implementation of the PA State History Code</i> (available online at the DEP Web site at www.depweb.state.pa.us select "subject" then select "technical guidance"). As a minimum this includes copies of the completed Cultural Resources Notice (CRN), a return receipt for its submission to the PHMC and the PHMC review letter.				
Н.	SEWAG	E ENFORCEMENT OFFICER ACTION (See Section H of attached instructions)				
1.	component. and other ge ls genera s ls margir ls not ge	rmed the information relating to the general suitability for onlot sewage disposal contained in this Confirmation of this information was based upon on-site verification of soil tests, general site conditions nerally available soils information. The proposed development site: ally suitable for onlot disposal. This module does not constitute individual permit approval. all for long-term onlot disposal. (See instructions for information on marginal conditions). nerally suitable for onlot disposal. (See my attached comments regarding this determination). we evaluated for general site suitability because of insufficient soils testing.				
2.	one or more	d development site is considered "marginal for onlot disposal" or for long-term onlot system use because of the following conditions exist. (Check all that apply). file examinations which document areas of suitable soil intermixed with areas of unsuitable soils.				
	Site eval	uation which documents soils generally suitable for elevated sand mounds with some potential lots with ver 12%.				
	slopes in	uation which documents soils generally suitable for in-ground systems with some potential lots with excess of 20%.				
		ity of more than 1 Residential Dwelling Unit/acre.				
		d use of a community onlot disposal system or system serving commercial, industrial or institutional uses.				

3.	Residual Tract Facilities (For use only when there is an exist I have inspected the lot on which the existing building concluded, based on soils mapping or soils evaluation sewage disposal needs of this site and the building currol I further acknowledge that no violations of the Sewage as a result of my site inspection. No inferences reg system should be drawn from this acknowledgement. (I	g and existing onlot disposal system, permit information or site insperently served can be met. (Require Facilities Act are known to me or larding future performance of the Required)	em is located and have ction that the long-term d) have become apparent
	$\langle m \rangle$	H 03994	12/12/17
Sigr in m	nature of Certified Sewage Enforcement Officer having jurisdiction nuncipality where development is proposed	Certification #	Date
I.	ALTERNATIVE SEWAGE FACILITIES ANALY	SIS (See Section I of attached ins	structions)
alre	s analysis consists of a narrative that will support the choseady in use in the area or to any other available method. At alysis. The narrative should describe:	ttach the narrative to the package	and title it Alternative
1.	the chosen sewage disposal method, and whether the me (will serve the development beyond 5 years). Also provide		
I.	ALTERNATIVE SEWAGE FACILITIES ANALYS	SIS (Continued) (See Section I of	attached instructions)
2.	the types of land uses adjacent to the project area (as sewage disposal method serving each of those land uses.		etc.) and the type of
3.	if the sewage facilities described in (2) are in need of overloaded public sewers.	improvement due to high rates of	of onlot malfunction or
4.	the sewage disposal method indicated for the developm Plan. (Such as: onlot disposal systems, public sewers, et		ficial Sewage Facilities
5.	existing and/or proposed sewage management progra necessary to satisfy the requirements of section(s) 71.72 or	ım(s) in the area and/or any ot or 71.73 including the provísions of	ther municipal options the selected option.
6.	potential alternative sewage disposal methods that are ava	ailable for the project.	
7.	why the proposed disposal method was chosen over the a	alternative methods discussed.	
8.	who will be the owner of the facility, and who will be respo	nsible for operation and maintenan	ce of the facility.
9.	any other information that the developer feels will support	the chosen disposal method.	
	mplete the following sections (J, K, L and/or M) if in one are indicated, go directly to Section N.	dicated ⊠.	
	J. PROTECTION OF RARE, ENDANGERED O (See Section J of instructions)	R THREATENED SPECIES	
Che	eck one:		annia ara na mana ana ana ana ana ana ana ana an
\boxtimes	The "Pennsylvania Natural Diversity Inventory (PNDI) Proceeds of the PNDI database and all supporting document attached.	roject Environmental Review Receation from jurisdictional agencies (eipt" resulting from my when necessary) is/are
	A completed "Pennsylvania Natural Diversity Inventory (PNDI Form) available at www.naturalheritage.state.pa.us I request DEP staff to compete the required PNDI search considered incomplete upon submission to the Department processing of my planning module will be delayed, until supporting documentation from jurisdictional agencies (who will be the complete to the co	s, and all required supporting doct for my project. I realize that my p nent and that the DEP review w a "PNDI Project Environmental R	umentation is attached. Dianning module will be vill not begin, and that Leview Receipt" and all
		"Applicant or Consult	ant Initials <u>JRF</u> "

☐ K. PERMEABILITY TESTING (See Section K of attached instructions)
☐ The information required in Section K of the instructions is attached.
L. PRELIMINARY HYDROGEOLOGIC STUDY (See Section L of attached instructions)
☐ The information required in Section L of the instructions is attached.
M. DETAILED HYDROGEOLOGIC STUDY (See Section M of attached instructions)
☐ The information required in Section M of the instructions is attached.
N. RETAINING TANKS (See Section N of attached instructions)
The term "Retaining Tank" includes holding tanks and privies, as well as, chemical, incinerating, recycling, and composting toilets. Check the appropriate box.
 ☐ Yes ☒ No Does this new land development project propose either interim or long-term use of retaining tanks? If yes, complete the remainder of Section N. If no, completion of the remainder of Section N is not required. Proceed to Section O.
What types of retaining tanks are proposed? Check all that apply.
☐ Holding Tank ☐ Privy ☐ Chemical ☐ Incinerating ☐ Recycling ☐ Composting
 Holding Tanks – are only to be used in new land development as an interim sewage disposal method and only for a period of time determined by DEP. A replacement sewage disposal method is required and an implementation schedule for that replacement method must be developed. Local ordinances must also be in place to provide for the maintenance of the tanks. Complete a. and b. below. For exceptions to these requirements see Chapter 71, Section 71.63 (Retaining Tanks).
a. The following questions will help determine if a holding tank can be used.
1) Yes No Does the Official Sewage Facilities plan or revision provide for replacement of the tanks by adequate sewage services?
2) Yes No Does the Official Sewage Facilities Plan or revision include financial assurances for the implementation of the replacement method?
If yes, what is the replacement sewage disposal method?
Method
if no, holding tanks may not be used.

b. Chapter 72 requires that the municipality, sewer authority or other DEP approved entity with responsibility over the holding tanks have *in place* ordinances, regulations or restrictions established to maintain the tanks as outlined in Chapter 71, Section 71.63(c)(3). Attach documentation that the responsible agency has developed these ordinances or restrictions. These projects must also complete Part 3 below (Retaining Tank Pumping and Content Disposal).

2. Privies/Chemical Toilets

Projects that propose privies as the method of sewage disposal must complete a, b and c below. For exceptions to these requirements see Chapter 71, Section 71.63 (Retaining Tanks).

- a. Complete Section G of this Component.
- b. The municipality, sewer authority, management agency or other DEP approved entity with responsibility over the site must have ordinances, regulations or restrictions established that assume responsibility for the removal of a privy and installation of an approved onlot sewage disposal system when water under pressure is provided to that lot. Attach a copy of these ordinances, regulations or restrictions.

c. These projects must also complete Part 3 below (Retaining Tank Pumping and Content Disposal).

N.	RET.	AINING TANKS cont'd. (See Section N of attached instructions)
3.		aining Tank Pumping and Content Disposal
	a)	Name of Retaining Tank Cleaner(This can be the municipality or a contracted cleaner) Address
		Telephone Number
	b)	Name of Disposal Site
		Type of treatment facility
		NPDES or Land Disposal permit number
		County Municipality
		Attach letter of agreement with the proposed disposal site verifying adequate capacity for disposal needs. Retaining tank wastes must be disposed of at a DEP permitted facilities or sites.
	c)	A municipality, sewer authority, or sewage management agency may delegate or contract for the collection and disposal of retaining tank contents, except that the ultimate responsibility for the proper collection and disposal of the contents shall remain with the municipality, authority or agency.
	1000	

O. PUBLIC NOTIFICATION REQUIREMENT (See Section O of attached instructions)

This section must be completed to determine if the applicant will be required to publish certain facts about the project in a newspaper of general circulation in accordance with Chapter 71, Section 71.53(d)(6) to provide a chance for the general public to comment on proposed new land development projects. This notice may be provided by the applicant or the applicant's agent, the municipality or the local agency by publication in a newspaper of general circulation within the municipality affected. Where an applicant or an applicant's agent provides the required notice for publication, the applicant or applicant's agent shall notify the municipality or local agency and the municipality and local agency will be relieved of the obligation to publish. The required content of the publication notice are found in Section O of the instructions.

To complete this section, each of the following questions must be answered with a "yes" or "no". Newspaper publication is required if any of the following are answered "yes". Check all boxes that apply.

	Yes	No					
1.			Does the project propose the construction	· •			
2.	Ш	\boxtimes	per day?	xisting sewage treatment facility by more than 50,000 gallons			
3.		\boxtimes	Will the project result in a public expenditure for the sewage facilities portion of the project in excess of \$100,000?				
4.		\boxtimes	Will the project lead to a major modific within the municipal government?	cation of the existing municipal administrative organizations			
5.		\boxtimes		ent of new municipal administrative organizations within the			
6.		\boxtimes	Will the project result in a subdivision of	50 lots or more?			
7.		\boxtimes	Does the project involve a major change				
8.				use pattern than that established in the municipality's Official			
9.		\boxtimes		rge volume onlot sewage disposal systems (Flow > 10,000			
10.				a conflict between the proposed alternative and consistency 1(a)(5)(i), (ii), (iii)?			
Ο.	PUBL	IC NO	OTIFICATION REQUIREMENT (C	ontinued)			
11.		\boxtimes	Will sewage facilities discharge into high	quality or exceptional value waters?			
	Attac	hed is	a copy of:				
	☐ th	e publ	ic notice,				
	all comments received as a result of the notice,						
	the municipal response to these comments.						
No comments were received. A copy of the public notice is attached.							
Р.	FALS	E SW	/EARING STATEMENT (See Section	on P of attached instructions)			
			al performing the tests and field	I verify that the soils information statements made in this			
			ecessary to complete Section G must information below and sign the false	component are true and correct to the best of my knowledge, information and belief. I understand that false			
	•		ement found to the right.	statements in this component are made subject to the			
	0	_	1 WARNER	penalties of 18 PA C.S.A. §4904 relating to unsworn			
		Ury	Name (Print)	falsification to authorities.			
		CC	·	17/12/17			
	-	<u>SE</u>	Title	Simple A			
,	, .	. مر		Signature // Date			
	रेज्यर	047	rway DR STATE CULLIN	Check One:			
			Address	The individual conducting these tests is a Sewage Enforcement Officer authorized to perform this work			
	814	1- D	31-3056	under a fee schedule established by the municipality.			
		Tel	ephone Number	The individual conduction there is not a con-			
				The individual conducting these tests is not a Sewage Enforcement Officer employed by the local agency in			
				which this development is located.			

The individual completing the rest of the component I verify that the statements made in this component are true

must provide their name, title, address, telephone and correct to the best of my knowledge, information and

Telephone Number

number and sign the false swearing statement found to the right.	belief. I understand that false statements in this component are made subject to the penalties of 18 PA C.S.A. §4904 relating to unsworn falsification to authorities.
Steve Kirsch, PE	
Name (Print)	A waiver of the planning requirements is requested for the residual tract of this subdivision. The
Team Leader	requirements of Section G.2 of the instructions have
Title	been met.
2568 Park Center Blvd, State College, PA 16801 Address	St KI 12/21/22
	Signature Date
8142387117	

Q			CIPAL ACTIONS (Marginal conditions, Rection Q of attached instructions)	sidual Tract Waiver and/or O&M option)	
an if a	d/or it an ass	f a wa suran	is to be completed by the municipality if ma liver of the planning requirements has been ce of long term operation and maintenance ot complete this section.	requested for the residual tract of the	e subdivision and/or
1.	X	othe	proposed development has been identified in or concerns for the long-term use of onlot se nod of providing long-term sewage disposal to	wage systems. The municipality has s	
			Provision of a sewage management pro Section 71.73	gram meeting the minimum requiren	nents of Chapter 71,
		M	Replacement area testing		
			Scheduled replacement with sewerage facility	ties	
			Reduction of the density of onlot systems		
		The	justification required in Section Q of the instruc	ctions is attached.	
2.		A wa	aiver of the planning requirements for the resid	dual tract of this subdivision has been re	quested.
3.	res rec se\ info	sponsiliquired wage-tormation the responsion The communication of the co	bility now and in the future to identify any violal sewage facilities planning for the designated regenerating structure on the residual tract of the on may require municipal officials to be responsible tract in the future. option selected to assure long-term proper option 71.72, for the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permitted normunity onlot sewage system is clearly identified the proposed DEP permi	tion of this waiver and to submit to the a residual tract should a violation occur or a subdivision be proposed. We understansible for soil testing and other environmoration and maintenance, required by Tin-municipal sewage facility or local agent	pproving agency any construction of a new nd that such planning ental assessments itle 25, PA Code,
16	10 N	<u>1UN.</u>	icipal Lane Port Mahlda PA Address	16870 Address	
				(Area Code) Telephone No. (814) 692	-9800
R.	PL	ANN.	ING MODULE REVIEW FEE (See Sect	tion R of attached instructions)	
proj mod "del	ect ar Iule pi egate	nd invo rior to d loca	acilities Act establishes a fee for the DEP plant pice the project sponsor OR the project spons submission of the planning package to DEP. al agency" is conducting the review, the project de details.) Check the appropriate box.	or may attach a self-calculated fee pay (Since the fee and fee collection proc	ment to the planning edures may vary if a
	unde	erstand	the DEP calculate the review fee for my produced the Department's review of my project will not the project.	-	

R.	PLAN	IING MODULE REVIEW FEE cont'd. (See Section R of attached instructions)				
	I have calculated the review fee for my project using the formula found below and the review fee guidance in the instructions. I have attached a check or money order in the amount of \$ 60 payable to "Commonwealth of PA, DEP". Include DEP code number on check. I understand the Department will not begin review of my project unless it receives the fee and determines the fee is correct. If the fee is incorrect, The Department will return my check or money order, send me an invoice for the correct amount. I understand the Department's review will NOT begin until I have submitted the correct fee.					
	I request to be exempt from the DEP planning module review fee because this planning module creates only of new lot and is the only lot subdivided from a parcel of land as that land existed on December 14, 1995. I realize the subdivision of a second lot from this parcel of land shall disqualify me from this review fee exemption. I furnishing the following deed reference information in support of my fee exemption.					
Cour	nty Record	er of Deeds for County				
Deed	d Volume	Book Number				
Page	Number	Date Recorded				
Form	nula:					
# <u>2</u>	L	ots (or EDUs) X \$30.00 = \$ <u>60</u>				
Note	: (1)	To calculate the review fee for any project, use the number of lots created or the whole number of project equivalent dwelling units (EDU), (whichever is greater) in the above formula.				
	(2)	When using the number of lots, include only the number of lots being proposed when calculating the review fee. Do not include any "Residual Land Parcel/Lot".				
	(3)	In all projects, the minimum sewage flow per lot is equal to 400 gallons per day (GPD) and represents a generic three-bedroom house on each lot. Projects that knowingly propose houses larger than the generic three-bedroom unit allow for the increased sewage flows from these larger units by adding 100 gallons per day for each additional bedroom in the house to this initial 400 GPD figure. The resulting project flow is in excess of the minimum 400 GPD for each lot created and must be converted into equivalent dwelling units (EDU) in order to correctly calculate the review fee. See note 4.				
	(4)	To determine the total number of EDUs for a project, first determine the total project flow by adding together the flow from each proposed lot. Divide this total project flow by 400 GPD and, if it is greater than the number of lots being proposed, enter this greater figure in the above formula.				
F	IALFM	OON ACRES, LLC C/2 Mark C. Waloney				
	loper Nam					
Signa	ature	Date				

STOP - CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES THREE WORKING DAYS NOTICE Pennsylvania One Call System, Inc. 1-800-242-1776

ALL ONLOT/RETAINING TANK PROPOSALS

COMPLETENESS CHECKLIST

The individual completing the component should use the checklist below to assure that all items are included in the planning module package. The municipality should confirm that the required items have been included within 10 days of receipt, and if complete, sign and date the checklist.

Į	129.	Name and address of land development project
į	/	USGS 7.5 minute topographic map with the development area plotted
,		Project narrative
į		Letter of intent to serve the project from the public water supplier (if applicable)
ſ	X	Alternative analysis narrative
		Proof of public notification (if applicable)
. (X	Plot plan of project with all required information
Ţ		A Site Investigation and Percolation Test Report forms for each soil profile examination and percolation test performed
		Preliminary Hydrogeology (if applicable)
	J	Permeability Testing (if applicable)
		Detailed Hydrogeology (if applicable)
		Sewage Enforcement Officer's signature
		Soils information preparer's signature
2		Completed Component 4 (Planning Agency Review) for each existing planning agency and health department
	•	ing holding tanks or privies are required to provide the following additional information.
HOLDI	NG T	ANKS
_		
		Copies of all ordinances, regulations, and/or restrictions governing holding tank maintenance
		Copy of the replacement method implementation schedule
_		Copy of the financial assurances description for the replacement sewage disposal method
		Name of the tank cleaner/hauler
		Name and permit number of the disposal site
		Disposal site approval for holding tank contents disposal
PRIVIE	S	
] :	Site Investigation and Percolation Test Report forms for all soil profiles and percolation tests
		Copies of ordinances, regulations, and/or restrictions for replacement of privies
С] [Disposal site approval for retaining tank contents disposal
BALINIC		ACTION
	_	
		Component 2, with SEO signature
	_	Component 4, planning agency comments and responses to those comments
		Proof of public notification
	_	Comments and responses generated by public notification
	ו [Fransmittal letter
		Signature of Malainal Official
		Signature of Municipal Official
		1/15/2-5
		1/11/623
		Date Submittal Determined Complete



TRANSMITTAL LETTER FOR SEWAGE FACILITIES PLANNING MODULE

		DEPARTMENT C	F ENVIRONMENTAL PROTECT	ION (DEP) USE ONLY			
DEF	CODE#	CLIENT ID#	SITE ID#	APS ID#	AUTH. ID#		
	ROSWIT	cy (DEP or delegated lo 14	1 te_101	Date	1/26/2023		
Dear Sir/N	/ladam:						
Attached	please find a	completed sewage faci	lities planning module prep	ared by <u>Steve k</u>	Irsh		
<u>Team</u>	Leader	Herbert, Rowla	ind and Grubic for R	eplot of Parcels (Nar	<u>^ 17-2-4 and 17-2-</u> ne)		
		cial ,or industrial facility	Township, Centr	re	County.		
Chęck on ☑ (i)	e The plannir proposed ⊠ Plan), and is with the req	ng module, as prepare ☑ revision ☐ suppleme s ☐ adopted for submis	d and submitted by the a ent for new land developm ssion to DEP transmitte de Chapter 71 and the <i>Pen</i>	applicant, is approved ent to its Official Sewa d to the delegated LA	age Facilities Plan (Official for approval in accordance		
	OR						
☐ (ii)	i) The planning module will not be approved by the municipality as a proposed revision or supplement for ne land development to its Official Plan because the project described therein is unacceptable for the reason(s checked below:						
	Check Boxe	es					
	the pla	nning module as prep	erformed by or on behalf of ared and submitted by the he time schedule for comp	ie applicant. Attache	ch may have an effect on d hereto is the scope of		
	ordinan	ces, officially adopted	nitted by the applicant fail comprehensive plans and ecific reference or applicab	/or environmental plar	ns (e.g., zoning, land use,		
	Other (a	attach additional sheet (giving specifics).				
Municipal pproving	•	ndicate below by ched	cking appropriate boxes w	hich components are	being transmitted to the		
Module 2 Individu	tion of Adoptio Completenes ual and Comm al of Sewage	s Checklist 🔲 3s Smal	ige Collection/Treatment Facil I Flow Treatment Facilities	图 4B County Pla	Planning Agency Review anning Agency Review Joint Health Department		
AV) Municipa	70 M	SM1-tM	COMPYN). Signature	mett-	1/26/2023 Date		

Project Narrative

For Replot of Parcels 17-2-4 and 17-2-4A— Component 2 Sewage Facilities Planning Module

The proposed project is located along Halfmoon Valley Road (SR 0550) in Halfmoon and Worth Townships. The existing parcel 17-2-4 contains 86.555 acres which located entirely on the southern side of SR 0550 and the existing parcel 17-2-4A contains 241.401 acres and is located on both the south and north sides of SR 0550. Both parcels are currently being used for agriculture and both contain a one single family residence as accessory uses. Both existing residences have functioning on-lot septic systems. The proposed replot will include transfer the southern portion of parcel 17-2-4A to parcel 17-2-4, with the end result being that parcel 17-2-4A is entirely on the northern side of SR 0550 and parcel 17-2-4 is entirely on the southern side of SR 0550. There is no proposed new development as part of this plan.

Any future development of these parcels or other adjacent parcels owned by the developer will require additional sewage planning approvals and would not be connected to the two existing systems.

The existing/proposed sewage flow for the two existing single family residences is 400 gallons per day each or 800 gallons per day total, based on Pennsylvania Code, Chapter 73 §73.17 for a 3 bedroom or less single family residence. The existing single family residences will continue to be served by separate on-lot septic systems with a reserve location tested as part of this project. The surrounding lots are also served by on-lot septic systems.

There are no water supplies within 100' of the testing locations. The existing single family residence on 17-2-4 is served by an existing well. The existing single family residence on 17-2-4A is served by a spring house. The existing single family residences had testing conducted for backup on-lot septic system location on each lot. Any future water systems will be placed greater than 100' away from the tested locations. See Site Investigations Report and Subdivision plan for test pit locations and additional information.

This project is exempt from the conditions set forth in DEP Technical Guidance 012-0700-001 *Implementation of the PA State History Code*. This project proposes earth disturbances less than the 10-acre disturbance limit set forth for exemption. This project also does not propose any demolition or modification of any buildings that are 40 years or older. This project also does not require any state or federal funding to complete in its entirety.

The property does contain flood plains as defined by FEMA and wetlands, but there is no proposed construction activities or earth disturbances proposed with this plan and the existing on-lot septic treatment systems and back up areas are not within these special areas.

Replot of Parcels 17-2-4 and 17-2-4A DEP-Sewage Facilities Planning Module Alternative Sewage Facilities Analysis

Project Description

The proposed project is located along Halfmoon Valley Road (SR 0550) in Halfmoon and Worth Townships. The existing parcel 17-2-4 contains 86.555 acres which located entirely on the southern side of SR 0550 and the existing parcel 17-2-4A contains 241.401 acres and is located on both the south and north sides of SR 0550. Both parcels are currently being used for agriculture and both contain a one single family residence as accessory uses. Both existing residences have functioning on-lot septic systems. The proposed replot will include transfer the southern portion of parcel 17-2-4A to parcel 17-2-4, with the end result being that parcel 17-2-4A is entirely on the northern side of SR 0550 and parcel 17-2-4 is entirely on the southern side of SR 0550. There is no proposed new development as part of this plan.

Component 2

- Wastewater generated from each of the existing single family residences will continue to be treated using the existing on-lot systems. The site will have 2 EDU. Average daily flows are estimated to be approximately 800 gpd.
- 2. The land use in the direct vicinity of the site is considered to be agricultural with accessory use of single family residential. The lots in the direct vicinity are served by individual on-lot septic systems.
- 3. There are no improvements proposed for existing sewage collection, conveyance, or treatment facilities as a result of this project.
- 4. The site location is within the area designated in the Act 537 plan to be served by individual on-lot disposal systems.
- 5. The site will be part of the Sewage Management Program.
- 6. The wastewater generated from this project is the result of a property zoned agricultural in Halfmoon Township. The site has adequate locations for an individual on-lot disposal system that could be used for a reserve system for the existing or should the areas ever be deemed inadequate for on-lot septic. A reserve system location was tested for both of the existing parcels.
- 7. An on-lot system is the only feasible system in this area for the proposed lot. The site has adequate locations for an individual on-lot disposal system. A reserve system for the existing systems shall be constructed should the tested areas ever be deemed inadequate for on-lot septic.
- 8. The owner is responsible for compliance with water quality standards and effluent limitations.
- 9. There are no other special considerations related to the proposed disposal method.



DEP Code No.	

RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT

RESOLUTION OF TH	IE (SUPERVISORS)	(COMMISSION	ERS) (COUNCILIVIEN) of	Haitmoon
(TOWNSHIP) (BORO	UGH) (CITY),	Centre	_ COUNTY, PENNSYLVANIA	A (hereinafter "the municipality").
Facilities Act, as Ame (DEP) adopted thereu Sewage Facilities Pla and/or environmental	ended, and the rules under, Chapter 71 of n providing for sewag health hazards from nethod of sewage di	and Regulation Title 25 of the F ge services ade sewage wastes sposal for a ne	s of the Pennsylvania Departi Pennsylvania Code, require the quate to prevent contamination , and to revise said plan wher	on as the <i>Pennsylvania Sewage</i> ment of Environmental Protection e municipality to adopt an Offician of waters of the Commonwealth never it is necessary to determine to a comprehensive program of
WHEREAS	Mark Maloney land developer	has propo	sed the development of a pard	cel of land identified as
Replot of Parcels 1		and described ir	n the attached Sewage Facilitie	es Planning Module, and
proposes that such s	ubdivision be served ndividual onlot syste	ems, 🗌 commu	nity onlot systems, \square spray	ns, sewer extension, new irrigation, retaining tanks,
WHEREAS,	Halfmoon T	ownship	finds that the subdivi	sion described in the attached
•		ms to applicabl	e sewage related zoning and pollution control and water qua	other sewage related municipal ality management.
NOW, THEREFO	RE, BE IT RESOLVI	E D that the (Sup	ervisors) (Commissioners) (Co	ouncilmen) of the (Township)
		•	·	ts approval as a revision to the illities Planning Module which is
1_ GMUN	Monter, s	ecretary,	Halfmoon	
0	(Signature)		uncilmen), hereby certify that t	
the Township (Borough				
Municipal Address:				
ividilicipai Addi ess.				1
Halfmoon Township			Seal	
100 Municipal Lane			Governing	Body
Port Matilda, PA 16870)	**************************************		
Telephone <u>814-692-98</u> 0	00			

1. PROJECT INFORMATION

Project Name: Halfmoon Acres R008018.0425 Ph03

Date of Review: 7/30/2021 10:24:29 AM

Project Category: Waste Transfer, Treatment, and Disposal, Liquid waste/Effluent, Sewage module/Act 537 plan

Project Area: 716.22 acres

County(s): Centre

Township/Municipality(s): HALFMOON TOWNSHIP; PATTON TOWNSHIP; WORTH TOWNSHIP

ZIP Code:

Quadrangle Name(s): JULIAN; PORT MATILDA Watersheds HUC 8: Bald Eagle; Upper Juniata

Watersheds HUC 12: Buffalo Run; Halfmoon Creek; Laurel Run-Bald Eagle Creek

Decimal Degrees: 40.812031, -77.991266

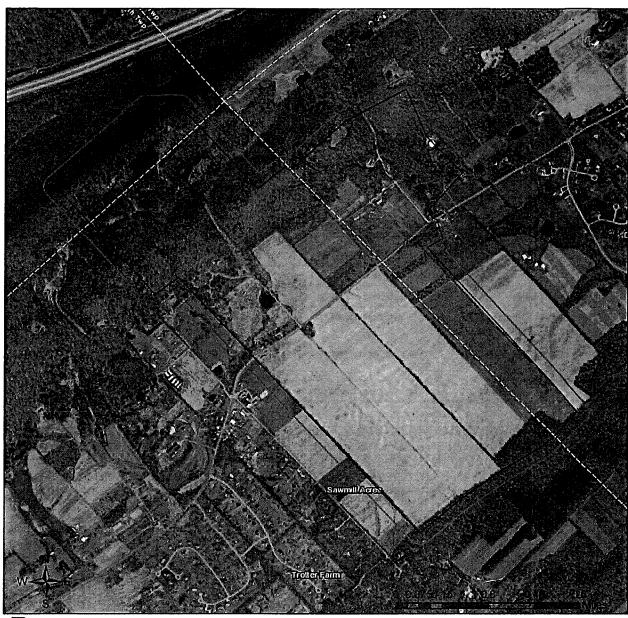
Degrees Minutes Seconds: 40° 48' 43.3125" N, 77° 59' 28.5570" W

2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
PA Fish and Boat Commission	Potential Impact	FÜRTHER REVIEW IS REQUIRED, See Agency Response
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

Halfmoon Acres R008018.0425 Ph03

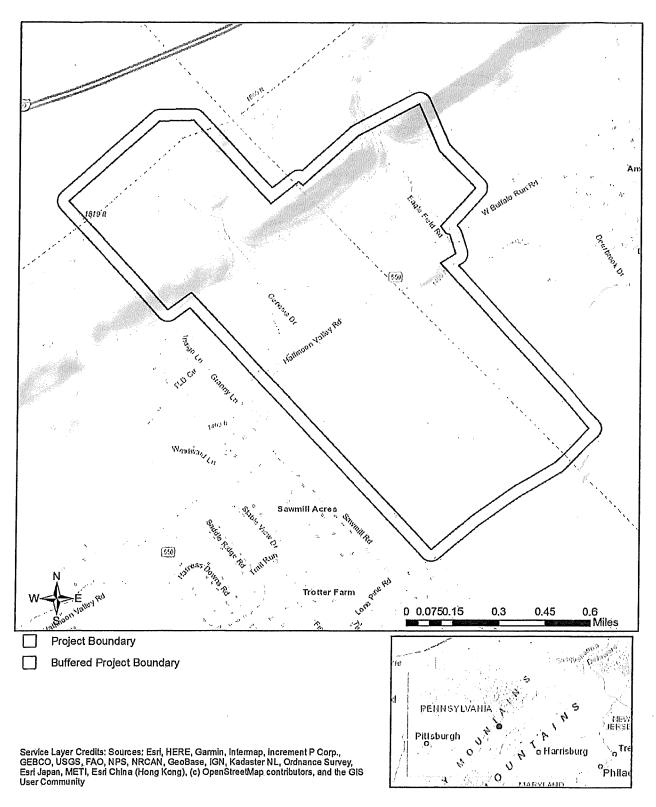


Project Boundary

Buffered Project Boundary

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community Sources: Esri, HERE, Garmin, Intermap, Increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China

Halfmoon Acres R008018.0425 Ph03



RESPONSE TO QUESTION(S) ASKED

Q1: Will the entire project occur within an existing building, parking lot, driveway, road, street, or maintained (periodically mowed) lawn?

Your answer is: Unknown

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jursidictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

DCNR Species: (Note: The Pennsylvania Conservation Explorer tool is a primary screening tool, and a desktop review may reveal more or fewer species than what is listed below. After desktop review, if a botanical survey is required by DCNR, we recommend the DCNR Botanical Survey Protocols, available here: https://conservationexplorer.dcnr.pa.gov/content/survey-protocols)

Scientific Name	Common Name	Current Status	Proposed Status	Survey Window
Sensitive Species**		Special Concern Species*	Special Concern Species*	One flight from March-April in the south, May-June in the north

PA Fish and Boat Commission RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

PFBC Species: (Note: The Pennsylvania Conservation Explorer tool is a primary screening tool, and a desktop review may reveal more or fewer species than what is listed below.)

Scientific Name Common Name	Current Status
Sensitive Species**	Threatened

Project Search ID: PNDI-739370

Project Search ID: PNDI-739370

U.S. Fish and Wildlife Service RESPONSE:

No impacts to **federally** listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

- * Special Concern Species or Resource Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.
- ** Sensitive Species Species identified by the jurisdictional agency as collectible, having economic value, or being susceptible to decline as a result of visitation.

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, upload* or email the following information to the agency(s) (see AGENCY CONTACT INFORMATION). Instructions for uploading project materials can be found here. This option provides the applicant with the convenience of sending project materials to a single location accessible to all three state agencies (but not USFWS).

*If information was requested by USFWS, applicants must email, or mail, project information to IR1_ESPenn@fws.gov to initiate a review. USFWS will not accept uploaded project materials.

Check-list of Minimum Materials to be submitted:

Project na	rrative with a	description	of the overal	l project, ti	he work to	be perfo	rmed,	current	physical	characte	ristics
of the site and	acreage to be	e impacted.							, ,		
			11	44 . 4 . 4							

____A map with the project boundary and/or a basic site plan(particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)

In addition to the materials listed above, USFWS REQUIRES the following

____SIGNED copy of a Final Project Environmental Review Receipt

The inclusion of the following information may expedite the review process.

Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)

Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams.

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at https://conservationexplorer.dcnr.pa.gov/content/resources.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section 400 Market Street, PO Box 8552 Harrisburg, PA 17105-8552

Email: RA-HeritageReview@pa.gov

PA Fish and Boat Commission

Division of Environmental Services 595 E. Rolling Ridge Dr., Bellefonte, PA 16823 Email: RA-FBPACENOTIFY@pa.gov

U.S. Fish and Wildlife Service

Pennsylvania Field Office **Endangered Species Section** 110 Radnor Rd; Suite 101 State College, PA 16801 Email: IR1 ESPenn@fws.gov

NO Faxes Please

PA Game Commission

Bureau of Wildlife Habitat Management Division of Environmental Planning and Habitat Protection 2001 Elmerton Avenue, Harrisburg, PA 17110-9797

Email: RA-PGC PNDI@pa.gov

NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: Shelby M. McVey, E.I	.T.				
Company/Business Name: Herbert, Address: 2568 Park Center Bo	Rowland	and	Grubic,	Inc.	
Address: 2568 Park Center Bo	ulevard				
City, State, Zip: State College,	PA 16801				
Phone:(814)238-7117	Fax:(_				
Email: smcvey@hrg-inc.com					_

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change. I agree to re-do the online environmental review.

Shellay M. Milley	July 30, 2021	
applicant/project proponent signature	date	



Pennsylvania Fish & Boat Commission

Division of Environmental Services
Natural Diversity Section
595 E Rolling Ridge Dr.
Bellefonte, PA 16823
814-359-5237

August 2, 2021

IN REPLY REFER TO SIR# 54870

Herbert, Rowland & Grubic, Inc. Shelby McVey 2568 Park Center Blvd State College, Pennsylvania 16801

RE: Species Impact Review (SIR) - Rare, Candidate, Threatened and Endangered Species

PNDI Search No. 739370 1

Halfmoon Acres R008018.0425 Ph03

CENTRE County: Halfmoon Township, Patton Township, Worth Township

Dear Shelby McVey:

This responds to your inquiry about a Pennsylvania Natural Diversity Inventory (PNDI) Internet Database search "potential conflict" or a threatened and endangered species impact review. These projects are screened for potential conflicts with rare, candidate, threatened or endangered species under Pennsylvania Fish & Boat Commission jurisdiction (fish, reptiles, amphibians, aquatic invertebrates only) using the Pennsylvania Natural Diversity Inventory (PNDI) database and our own files. These species of special concern are listed under the Endangered Species Act of 1973, the Wild Resource Conservation Act, and the Pennsylvania Fish & Boat Code (Chapter 75), or the Wildlife Code.

According to this submission and our records there have been no changes in the project or on-site biological information; therefore, the Commission's comments regarding potential impacts to rare, candidate, threatened, or endangered species under our jurisdiction, as detailed in our letter of September 13, 2019 for SIR# 49918, remain unchanged. In summary, an Eastern Spadefoot habitat evaluation was conducted on the subject property by recognized/qualified Eastern Spadefoot surveyor, Mr. Brandon Ruhe of Ecological Associates, LLC. The results were negative, and the Commission concurred. No habitat for the Eastern Spadefoot were found on the property; therefore, no potential adverse impacts are expected from the proposed project on the Eastern Spadefoot or any other rare or protected species under the Pennsylvania Fish and Boat Commissions jurisdiction.

This response represents the most up-to-date summary of the PNDI data and our files and is valid for two (2) years from the date of this letter. An absence of recorded species information does not necessarily imply species absence. Our data files and the PNDI system are continuously being updated with species occurrence information. Should project plans change or additional information on listed or

Our Mission:

www.fish.state.pa.us

proposed species become available, this determination may be reconsidered, and consultation shall be reinitiated.

If you have any questions regarding this review, please contact me at <u>curban@pa.gov</u> or 814-359-5113 and refer to the SIR # 54870. Thank you for your cooperation and attention to this important matter of species conservation and habitat protection.

Sincerely,

Christopher A. Urban, Chief Natural Diversity Section

Chirtopter Cl. Culum

CAU/dn



BUREAU OF FORESTRY

August 11, 2021

PNDI Number: 739370

Version: Final_1; 7/30/21

Shelby McVey
Herbert, Rowland & Grubic, Inc.
2568 Park Center Boulevard
State College, PA 16801
Email: smcvey@hrg-inc.com (hard copy will not follow)

Re: Halfmoon Acres R008018.0425 Ph03 Halfmoon, Patton, Worth Township; Centre County, PA

Dear Ms. McVey,

Thank you for the submission of the Pennsylvania Natural Diversity Inventory (PNDI) Environmental Review Receipt Number 739370 (Final_1) for review. PA Department of Conservation and Natural Resources screened this project for potential impacts to species and resources under DCNR's responsibility, which includes plants, terrestrial invertebrates, natural communities, and geologic features only.

No Impact Anticipated

PNDI records indicate species or resources under DCNR's jurisdiction are located in the vicinity of the project. However, based on the information you submitted concerning the nature of the project, the immediate location, and our detailed resource information, DCNR has determined that no impact is likely. No further coordination with our agency is needed for this project.

Recommended Actions:

- Clean boot treads, tools, construction equipment, and vehicles thoroughly (especially the undercarriage and wheels) before they are brought on site. This will remove invasive plant seeds and invasive earthworms/cocoons that may have been picked up at other worksites.
- Use clean project materials (e.g., weed-free straw) or materials native to the worksite to avoid introducing invasive species from contaminated sources.
- Revegetate or cover disturbed soil and stockpiles quickly to discourage the germination of invasive plants. Implement proper erosion control practices to stabilize soil and reduce runoff.
- Do not use seed mixes that include invasive species. More information about invasive plants in Pennsylvania can be found at the following link: http://www.dcnr.pa.gov/Conservation/WildPlants/InvasivePlants/Pages/default.aspx
- Use habitat appropriate seed mixes. For example, use a riparian seed mix when reseeding along a waterway. The Bureau of Forestry Planting & Seeding Guidelines can be found at the following link for recommendations: http://www.docs.dcnr.pa.gov/cs/groups/public/documents/document/dcnr 20031083.pdf
- Use native plants for landscaping, revegetation, and stormwater management. Do not use nonnative invasive species. Reduce the area of lawn and impermeable surfaces to the fullest extent practicable in favor of native gardens or habitat restoration (e.g., forest, meadow, wetland, etc.). More information about lawn conversion can be found at the following link: https://www.dcnr.pa.gov/Conservation/Water/LawnConversion/Pages/default.aspx

conserve sustain enjo

PNDI Number: **739370** Version: Final 1; 7/30/21

This response represents the most up-to-date review of the PNDI data files and is valid for two (2) years only. If project plans change or more information on listed or proposed species becomes available, our determination may be reconsidered. Should the proposed work continue beyond the period covered by this letter and a permit has not been acquired, please resubmit the project to this agency as an "Update" (including an updated PNDI receipt, project narrative, description of project changes and accurate map). As a reminder, this finding applies to potential impacts under DCNR's jurisdiction only. Visit the PNHP website for directions on contacting the Commonwealth's other resource agencies for environmental review.

Should you have any questions or concerns, please contact Alexander Dogonniuck, Ecological Information Specialist, by phone (717-783-3913) or via email (c-adogonni@pa.gov).

Sincerely

Greg Podniesinski, Section Chief

Brug Podniesinski

Natural Heritage Section

conserve

sustain

enjoy



SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Applicati	ion No ation _Halfmo			_ Municip	ality <u>Halfm</u>	oon		County	Centre	
Site Loca	ation Halfmor	on Acres TF	2-21			Subdivisi	on Name M	/aloney		
☐ SUIT.	ABLE S	oll Type	Slope	<u>8</u> %	Depth to	Limiting Zo	one 18	Ave.	Perc. Rate	8
■ UNSU	MADLE M	i Mottilug	Seeps o Seep o Seeps o	r Ponded V	Vater	Bedrock	☐ Fractu	res 🗀	Charea E	raamonta
		Perc. Rate	∐ Slope	Unsta	abilized FIII	☐ Floo	idway 🔲	Other		
SOILS D	ESCRIPTION			~ •			Charles of the	See a se		e de la company de la comp
	scription Com	pleted by:	ory warri					Date: 10/2	6/21	
	hes	4034			Desci	iption of I	lorizon			
	то 2		2/1 Very Da	ark Gray;Sil	t Loam;Gra	inular;Very	Friable			
2	TO 18	10YR	7/8 Yellow;	Loam Mod,	SBK;Friab	le Redox (@ 18			
18	TO 34 DOP	10YR	7/8 Yellow;	oam; Mod.	SBK;Frlat	ole				
*	то							***************************************		-
	то	,				**			•	
	ТО		· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·				
	e a long town because owners granden a grante a			Acres de la constante de la co						
	ATION TEST: n Test Compl	ated hv								
	Conditions:			0°E or abou	и Пр	, Dp.:		Date:		
Soil Condi	tions:	Wet [Dry	Frozen	e DD	/ 🗌 Rai	n, Sieet, Si	now (last 24	4 hours)	
	144		Reading	Reading	Reading :	Reading	Reading	Reading	Reading	Reading
Hole No.	Yes No	Reading Interval	No. 1: Inches of drop	No. 2: Inches of drop	No. 3:	No. 4:	No. 5:	No. 6:	No 7	Ma Q.
1		10/30		Tanonico or Grap	nionea ur groj	micres of the	nucies of arop	tucties of grob	Inches of drop	Inches of drop
2		10/30								
3		10/30								
4	 	10/30								
. 5		10/30								
6	aining in the hele	10/30	- # 1 00 !							
Water lette	aining in the hole	at the end of th	ie final 30-mini	ute presoak?	Yes, use 30-ı	ninute Interva	il; No, use 10	-minute interv	al,	
	Calculation of									
Hole No.	Drop durli final perio		rc. Rate as	Dep	oth olo	The	information	n provided i	is the	
1	mar pone	4 14111	rutes/irior	Of FI	ule "	true	and correct	t result of t	ests	
2		"	***			unde	iuciea by n ir mv nersc	ne, peforme nal superv	ed	
3		и		·		or ve	rified in a r	nanner	ision,	
4		11		***************************************	a	appro	over by Di	7P.		
5		"		-	# 1.41.	(S)_	a. I	· · · · · · · · · · · · · · · · · · ·		
6	*	H			Mln Inch	(-/_	Sewage Enf	orcement Offi	cer	
TOTAL OF I	MIN / IN →			=	- inch	<u> </u>				
ΓΟΤΑL NO.	OF HOLES→	***********			•					
☐ White - L	₋ocal Agency			☐ Pink -	Local DEF	Office		_	Vallace	47
	~ ,					21100			Yellow - A	ppiicant



☐ White - Local Agency

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Applicat	tion No	Ifmoon	A T(2 1-22	_ Municip	pality Halfm	oon		County		
OIR FOR	ation re	MINIOON	Acres II	7 1-22			Subdivisi	on Name N	Maloney		
□uns			erc. Rate	Slope Seeps o	Unst	water abilized Fill	Bedrock	∟ Fractu ו dwav	res Other	Coarse Fr	agments
SOILS D	ESCRIP scription	TION		ory M. Wa				Process of the Same Same Same Same Same Same Same Sam	one with the party of the party	,	
Inc	ches								Date:	1122	
0			10YR	3/2 Very Da	ark Greyish	Brown;Silt	ription of h Loam;Gra	nular;Very	Friable		
7	TO 16			5/6 Yellowis						-	
16				5/8 Yellowis					lox @ 35 "		
35	TO 55 E	OOP		5/8 Yellowis							
	то							IGDIO			
	то		Water	Table at 55'					****		
Weather C Soil Condi	Condition	s: [Below 4	nathan T. D°F 🔳 40 Dry 🔲	0°F or abov	ve □ Dry	/ 🔳 Rail	n, Sleet, Sr	oate; <u>8/31/2</u> now (last 24	22 4 hours)	
Hole No.	Yeş	No No	Reading Interval	Reading No. 1:	Reading No. 2;	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7	Reading No. 8;
1	X		10 /. 30	Inches of drop 3 1/2	2 5/8	Inches of drop 2 5/8		Inches of drop	Inches of drop	Inches of drop	Inches of drop
2	Х		10/30	3/8	3/8	3/8	2 3/8 1/4	2 3/8			
3		Х	10/30	3 5/8	3 1/4	2 5/8	2 5/8	2 3/8	2 1/4	244	
4	X		10/30	1 3/8	1 1/4	1 1/8	1	1	2 1/4	2 1/4	2 1/4
55	X		10/30	1 3/8	1 1/4	1	1	1			
6	X	<u> </u>	10/30	3	2 5/8	2 3/8	2 1/8	2 1/4	2 1/8		
***Water rema	ining in the Calculat	on of A	he end of th Average F	e final 30-minu Percolation	ite presoak?	Yes, use 30-r	ninute interva	l; No, use 10-	-minute interv	al.	
Hole No. 1 2 3 4 5	Drop final 2 3/8 1/4 2 1/4 1 1 2 1/8	during period " " " "	Per Mir 12.6 120 4.4 30 30 14.1	c. Rate as nutes/Inch	Dep of H 20 20 20 20 20	ole " " " " " " " " " " " " " " " " " " "	true a cond unde or ve appro	and correct ucted by m r my perso rified in a r oved by DE		ests ed ision,	
TOTAL OF N		-	211.1	· · · · · · · · · · · · · · · · · · ·	= 35.18	}					
TOTAL NO.	OF HOL	ES→	6	•							

☐ Pink - Local DEP Office



SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

■ UNS	tion No eation Halfmoo ABLE S UITABLE	- V	Slope	i i omaca i	V 41 1 1	I Later Hitchick	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	יים ו	I ('massa F.	
SOILS D	ESCRIPTION scription Comp		The state of the s	or	The same distance of the		e e en	er manadonia a cui	for the second second second second	
	hes	-				ription of I		Date: 10/2	0/2021	
0	то 2	10YR	2/1 Very Da	ark Grey;Sil	lt Loam;Gra	anular,Very	Friable			
2	TO 18		7/8 Yellow;					T-1		
	TO 27 DOP	-								
	то	 			ODIGI HODE		-			
	то									
	TO			****						
Soll Condi	tions:		Reading	Frozen	Reading	Reading	n, Sleet, Si	Reading	Reading	Pandine
Hole No.	Yes No	Reading Interval	No. 1: Inches of drop	No. 2: Inches of drop	No. 3;	No di	No E.	h1 - a.		Reading No. 8:
		10/30			iyaisa aruja	a miches of this	incres or drop	inches of arop	Inches of drop	Inches of dro
1						T			<u> </u>	<u> </u>
2	-	10/30								
2 3		10/30								
2 3 4		10/30								
2 3		10/30 10/30 10/30								
2 3 4 5 6	lining in the hole a	10/30 10/30 10/30 10/30	e final 30-minu	ite presoak?	Yes, Use 30-r	minute Interve	li No uno 10			
2 3 4 5 6 *Water rema	lining in the hole a	10/30 10/30 10/30 10/30 at the end of the	e final 30-minu	ite presoak?	Yes, use 30-r	minute Interva	l; No, use 10	-minute interv	al.	



☐ White - Local Agency

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Applicati	ion No				4.0	u Halfm	ė a m			RSE SIDE Centre	
Site Loc	ation _ Te	aiiirioon	Acres II	2-22			Subdivisi	on Name M	Maloney		-,·
		☐ F	Perc. Rate	⊇ 2-22 3 Slope □ Seeps o □ Slope	u ronded v Unst	vater abilized Fill	Bearock	ا∐ Fractu ا∐ dwav	res [_] Other	Coarse Fr	agments
SOILS D	ESCRIP scription	TION: Comple	eted by: C	ory M. Wa	rnor						
Inc	ches						iption of I		Dato.		
0	TO 1		10YR	3/3 Dark Br	own;Silt La	am;Granul	ar:Verv Fri	able			
1	TO 20			6/6 Yellowis							
	TO 30			6/6 Yellowis							***************************************
	To		•	· .		ory original	ory Louin,	viou. SBI	Tiable		
	то		BedRo	ock @ 30" [OP						
	TO			2. 6. 6.	, OI				· · · · · · · · · · · · · · · · · · ·		
Percolation Weather C Soil Condit	Condition	s: [Below 40	nathan T. 0°F a 40	0°F or abov	re Dry	/ 📵 Rai	n, Sleet, Sr	oate: <u>7/26/2</u> now (last 24	hours)	
		l	T∧∧Gr 178	Dry 🗍	Frozen						
Hole No.		***	Reading	Reading No. 1:	Reading No. 2;	Reading No. 3:	Reading No. 4:	Reading No. 5;	Reading No. 6;	Reading No. 7	Reading
Hole No.	Yes		Reading Interval	Reading No. 1: Inches of drop	Reading No. 2:	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5; Inches of drop	Reading No. 6; Inches of drop	Reading	No. 8:
	Yes	***	Reading	Reading No. 1:	Reading No. 2: Inches of drop 2 1/2	Reading No. 3: Inches of drop 2 1/4	Reading No. 4: Inches of drop 2 1/4	Reading No. 5: Inches of drop 2	Reading No. 6; Inches of drop	Reading No. 7	No. 8:
1	Yes	***	Reading Interval	Reading No. 1: Inches of drop 2 7/8	Reading No. 2:	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop 2 1/4 2 7/8	Reading No. 5; Inches of drop 2 2 7/8	Reading No. 6: Inches of drop 2 2 3/4	Reading No. 7 Inches of drop	No. 8: Inches of drop
1 2	Yes X	***	Reading Interval 10/30 10/30	Reading No. 1: Inches of drop 2 7/8 3 5/8	Reading No. 2: Inches of drop 2 1/2 3 1/4	Reading No. 3: Inches of drop 2 1/4 2 7/8	Reading No. 4: Inches of drop 2 1/4	Reading No. 5: Inches of drop 2	Reading No. 6: Inches of drop 2 2 3/4 2 3/4	Reading No. 7 Inches of drop	No. 8: Inches of drop
1 2 3 4 5	Yes X X X X X	***	Reading Interval 10/30 10/30	Reading No. 1: Inches of drop 2 7/8 3 5/8 4 1/8	Reading No. 2; Inches of drop 2 1/2 3 1/4 3 5/8	Reading No. 3: Inches of drop 2 1/4 2 7/8 3 5/8	Reading No. 4: Inches of drop 2 1/4 2 7/8 3 3/8	Reading No. 5: Inches of drop 2 2 7/8 3 1/4	Reading No. 6: Inches of drop 2 2 3/4	Reading No. 7 Inches of drop	No. 8: Inches of drop 3 1/8 2 3/4
1 2 3 4 5	Yes X X X X X X	No X	Reading Interval 10/30 10/30 10/30 10/30 10/30 10/30 10/30	Reading No. 1: Inches of drop 2 7/8 3 5/8 4 1/8 3 3/4 4 7/8 4 3/4	Reading No. 2: Inches of drop 2 1/2 3 1/4 3 5/8 3 1/8 4 5/8 4 1/4	Reading No. 3: Inches of drop 2 1/4 2 7/8 3 5/8 3 7/8	Reading No. 4: Inches of drop 2 1/4 2 7/8 3 3/8 2 1/2 3 5/8 3 3/4	Reading No. 5; Inches of drop 2 2 7/8 3 1/4 3 7/8 3 5/8	Reading No. 6: Inches of drop 2 2 3/4 2 3/4 3 1/8 2 7/8	Reading No. 7 Inches of drop 2 7/8 3 1/8 2 7/8	No. 8: Inches of drop
1 2 3 4 5 6 *Water rema	Yes X X X X X alning in the	No X	Reading Interval 10/30 10/30 10/30 10/30 10/30 10/30 the end of the	Reading No. 1: Inches of drop 2 7/8 3 5/8 4 1/8 3 3/4 4 7/8 4 3/4 de final 30-minu	Reading No. 2: Inches of drop 2 1/2 3 1/4 3 5/8 3 1/8 4 5/8 4 1/4 ate presoak?	Reading No. 3: Inches of drop 2 1/4 2 7/8 3 5/8 3 7/8	Reading No. 4: Inches of drop 2 1/4 2 7/8 3 3/8 2 1/2 3 5/8 3 3/4	Reading No. 5; Inches of drop 2 2 7/8 3 1/4 3 7/8 3 5/8	Reading No. 6: Inches of drop 2 2 3/4 2 3/4 3 1/8 2 7/8	Reading No. 7 Inches of drop 2 7/8 3 1/8 2 7/8	No. 8: Inches of drop 3 1/8 2 3/4 2 3/4
1 2 3 4 5 6 Water rema	Yes X X X X X alining in the	No X a hole at I	Reading Interval 10/30 10/30 10/30 10/30 10/30 the end of the Average F	Reading No. 1: Inches of drop 2 7/8 3 5/8 4 1/8 3 3/4 4 7/8 4 3/4 e final 30-minu	Reading No. 2: Inches of drop 2 1/2 3 1/4 3 5/8 3 1/8 4 5/8 4 1/4 ate presoak? Rate:	Reading No. 3: Inches of drop 2 1/4 2 7/8 3 5/8 3 3 7/8 4 Yes, use 30-r	Reading No. 4: Inches of drop 2 1/4 2 7/8 3 3/8 2 1/2 3 5/8 3 3/4	Reading No. 5; Inches of drop 2 2 7/8 3 1/4 3 7/8 3 5/8	Reading No. 6: Inches of drop 2 2 3/4 2 3/4 3 1/8 2 7/8	Reading No. 7 Inches of drop 2 7/8 3 1/8 2 7/8	No. 8: Inches of drop 3 1/8 2 3/4 2 3/4
1 2 3 4 5 6 Water rema	Yes X X X X Anining in the Calculat	X A hole at I	Reading Interval 10/30 10/30 10/30 10/30 10/30 the end of the Average F	Reading No. 1: Inches of drop 2 7/8 3 5/8 4 1/8 3 3/4 4 7/8 4 3/4 e final 30-minu Percolation C. Rate as	Reading No. 2: Inches of drop 2 1/2 3 1/4 3 5/8 3 1/8 4 5/8 4 1/4 ate presoak? Rate:	Reading No. 3: Inches of drop 2 1/4 2 7/8 3 5/8 3 7/8 4 Yes, use 30-r	Reading No. 4: Inches of drop 2 1/4 2 7/8 3 3/8 2 1/2 3 5/8 3 3/4 Inductor Interval	Reading No. 5; Inches of drop 2 2 7/8 3 1/4 3 7/8 3 5/8 3 1/2 I; No, use 10-	Reading No. 6: Inches of drop 2 2 3/4 2 3/4 3 1/8 2 7/8 3 1/8 minute interval	Reading No. 7 Inches of drop 2 7/8 3 1/8 2 7/8 3 1/2 al.	No. 8: Inches of drop 3 1/8 2 3/4 2 3/4
1 2 3 4 5 6 Water rema	Yes X X X X alning in the Calculat Drop final 2	No X a hole at I	Reading Interval 10/30 10/30 10/30 10/30 10/30 the end of the Average F	Reading No. 1: Inches of drop 2 7/8 3 5/8 4 1/8 3 3/4 4 7/8 4 3/4 e final 30-minu	Reading No. 2: Inches of drop 2 1/2 3 1/4 3 5/8 3 1/8 4 5/8 4 1/4 ate presoak? Rate:	Reading No. 3: Inches of drop 2 1/4 2 7/8 3 5/8 3 7/8 4 Yes, use 30-r	Reading No. 4: Inches of drop 2 1/4 2 7/8 3 3/8 2 1/2 3 5/8 3 3/4 Inches of drop 2 1/4 The true	Reading No. 5: Inches of drop 2 2 7/8 3 1/4 3 7/8 3 5/8 3 1/2 It; No, use 10- information and correct	Reading No. 6: Inches of drop 2 2 3/4 2 3/4 3 1/8 2 7/8 3 1/8 -minute interval	Reading No. 7 Inches of drop 2 7/8 3 1/8 2 7/8 3 1/2 al. s the	No. 8: Inches of drop 3 1/8 2 3/4 2 3/4
1 2 3 4 5 6 Water rema	Yes X X X X Anining in the Calculat Drop final 2 2 3/4	X No X Phole at I	Reading Interval 10/30 10/30 10/30 10/30 10/30 the end of the Average F	Reading No. 1: Inches of drop 2 7/8 3 5/8 4 1/8 3 3/4 4 7/8 4 3/4 e final 30-minu Percolation C. Rate as	Reading No. 2: Inches of drop 2 1/2 3 1/4 3 5/8 3 1/8 4 5/8 4 1/4 ate presoak? Rate: Deport	Reading No. 3: Inches of drop 2 1/4 2 7/8 3 5/8 3 7/8 4 Yes, use 30-r	Reading No. 4: Inches of drop 2 1/4 2 7/8 3 3/8 2 1/2 3 5/8 3 3/4 Inhute Interval	Reading No. 5: Inches of drop 2 2 7/8 3 1/4 3 7/8 3 5/8 3 1/2 II; No, use 10- Information and correct ucted by m	Reading No. 6: Inches of drop 2 2 3/4 2 3/4 3 1/8 2 7/8 3 1/8 -minute interval	Reading No. 7 Inches of drop 2 7/8 3 1/8 2 7/8 3 1/2 al. s the ests	No. 8: Inches of drop 3 1/8 2 3/4 2 3/4
1 2 3 4 5 6 Water rema	Yes X X X X x sining in the Calculat Drop final 2 2 3/4 3 1/8	X No X hole at the during period "	Reading Interval 10/30 10/30 10/30 10/30 10/30 10/30 the end of the Average F Per Mir 15	Reading No. 1: Inches of drop 2 7/8 3 5/8 4 1/8 3 3/4 4 7/8 4 3/4 e final 30-minu Percolation C. Rate as	Reading No. 2; Inches of drop 2 1/2 3 1/4 3 5/8 3 1/8 4 5/8 4 1/4 ate presoak? Rate: Dep of H 20	Reading No. 3: Inches of drop 2 1/4 2 7/8 3 5/8 3 3 7/8 4 Yes, use 30-r	Reading No. 4: Inches of drop 2 1/4 2 7/8 3 3/8 2 1/2 3 5/8 3 3/4 Initiate Interval The true cond unde or ve	Reading No. 5: Inches of drop 2 2 7/8 3 1/4 3 7/8 3 5/8 3 1/2 I; No, use 10- information and correct ucted by m my perso rified, in a n	Reading No. 6: Inches of drop 2 2 3/4 3 1/8 2 7/8 3 1/8 -minute interval result of tele, peformer nal supervi	Reading No. 7 Inches of drop 2 7/8 3 1/8 2 7/8 3 1/2 al. s the ests	No. 8: Inches of drop 3 1/8 2 3/4 2 3/4
1 2 3 4 5 6 Water rema	Yes X X X X Anining in the Calculat Drop final 2 2 3/4 3 1/8 2 3/4	X No X And the hole at the hole of the during period ""	Reading Interval 10/30 10/30 10/30 10/30 10/30 the end of the Average F Per Mir 15 10.9	Reading No. 1: Inches of drop 2 7/8 3 5/8 4 1/8 3 3/4 4 7/8 4 3/4 e final 30-minu Percolation C. Rate as	Reading No. 2: Inches of drop 2 1/2 3 1/4 3 5/8 3 1/8 4 5/8 4 1/4 ate presoak? Rate: Deport	Reading No. 3: Inches of drop 2 1/4 2 7/8 3 5/8 3 3 7/8 4 Yes, use 30-r	Reading No. 4: Inches of drop 2 1/4 2 7/8 3 3/8 2 1/2 3 5/8 3 3/4 Initiate Interval The true cond unde or ve	Reading No. 5: Inches of drop 2 2 7/8 3 1/4 3 7/8 3 5/8 3 1/2 I; No, use 10- information and correct ucted by mar my perso	Reading No. 6: Inches of drop 2 2 3/4 3 1/8 2 7/8 3 1/8 -minute interval result of tele, peformer nal supervi	Reading No. 7 Inches of drop 2 7/8 3 1/8 2 7/8 3 1/2 al. s the ests	No. 8: Inches of dro 3 1/8 2 3/4 2 3/4
1 2 3 4 5 6 Water rema	Yes X X X X x sining in the Calculat Drop final 2 2 3/4 3 1/8 2 3/4 2 3/4	X hole at the lon of A during period "" ""	Reading Interval 10/30 10/30 10/30 10/30 10/30 the end of the Average F Mir 15 10.9 9.6 10.9 3.6	Reading No. 1: Inches of drop 2 7/8 3 5/8 4 1/8 3 3/4 4 7/8 4 3/4 e final 30-minu Percolation C. Rate as	Reading No. 2; Inches of drop 2 1/2 3 1/4 3 5/8 3 1/8 4 5/8 4 1/4 ate presoak? Rate: Dep of H 20 20 20	Reading No. 3: Inches of drop 2 1/4 2 7/8 3 5/8 3 3 7/8 4 Yes, use 30-r	Reading No. 4: Inches of drop 2 1/4 2 7/8 3 3/8 2 1/2 3 5/8 3 3/4 Inhute Interval The true cond unde or ve appro	Reading No. 5: Inches of drop 2 2 7/8 3 1/4 3 7/8 3 5/8 3 1/2 I; No, use 10- information and correct ucted by m my perso rified, in a n	Reading No. 6: Inches of drop 2 2 3/4 3 1/8 2 7/8 3 1/8 -minute interval result of tele, peformer nal supervi	Reading No. 7 Inches of drop 2 7/8 3 1/8 2 7/8 3 1/2 al. s the ests	No. 8: Inches of drop 3 1/8 2 3/4 2 3/4
1 2 3 4 5 6 Water rema	Yes X X X X X X X Inlining in the Calculat Drop final 2 2 3/4 3 1/8 2 3/4 1 5/8	X No	Reading Interval 10/30 10/30 10/30 10/30 10/30 the end of the Average F Per Mir 15 10.9 9.6 10.9	Reading No. 1: Inches of drop 2 7/8 3 5/8 4 1/8 3 3/4 4 7/8 4 3/4 e final 30-minu Percolation C. Rate as	Reading No. 2: Inches of drop 2 1/2 3 1/4 3 5/8 3 1/8 4 5/8 4 1/4 Ite presoak? Rate: Dep of H 20 20 20 20	Reading No. 3: Inches of drop 2 1/4 2 7/8 3 5/8 3 3 7/8 4 Yes, use 30-r	Reading No. 4: Inches of drop 2 1/4 2 7/8 3 3/8 2 1/2 3 5/8 3 3/4 Initiate Interval The true cond unde or ve	Reading No. 5: Inches of drop 2 2 7/8 3 1/4 3 7/8 3 5/8 3 1/2 I; No, use 10- Information and correct ucted by mer my perso rified in a moved/by DE	Reading No. 6: Inches of drop 2 2 3/4 3 1/8 2 7/8 3 1/8 -minute interval result of tele, peformer nal supervi	Reading No. 7 Inches of drop 2 7/8 3 1/8 2 7/8 3 1/2 al. s the ests ed sion,	No. 8: Inches of drop 3 1/8 2 3/4 2 3/4

☐ Pink - Local DEP Office

☐ Yellow - Applicant



SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Applicat Site Loc	ion No ation Ha	alfmoor	Acres TF	3 -22	Municip	pality Halfm	noon	ALLO ON	County	Centre	
SUIT UNSU			.,	3 -22 Slop Seeps o	a i ollugu i	vvaler i i	i Bedrock	I I Erochi	irae	1000000	
Solls Des	scription ches	Comple		ory M. W	•	Desc	ription of i	Horizon	Date: _7/00	6/22	
2				3/3 Dark Bi							
16				5/6 Yellowi							
16		-	5YR 4	/6 Yellowish	Red; Extr	emely Char	nnery Sand	dy Loam;M	od. SBK , Fr	iable	. —
	TO	<u> </u>		-							
	то		BedRo	ck @ 43" [OOP		_				
	ТО			•							
Hole No. 1 2 3		No .	Reading Interval 10/30 10/30 10/30 10/30 10/30	Reading No. 1: Inches of drop 3/4 1/8 1 2 3/4	Reading No. 2:	Reading No. 3: Inches of drop 3/8 1/8 3/4	Reading No. 4: Inches of drop 1/4 1/8 3/4	Reading No. 5: Inches of drop 1/4	Reading No. 6: Inches of drop	Reading	Reading No. 8; Inches of drop
5	Х		10/30	3/8	1/4	1 3/8 1/4	1 1/8 1/4	1 3/8	1	1/2	1
6	X		10/30	2 1/8	1 1/2	1 1/2	1 1/2	1 1/2			
***Water remai	Calculati	on of A	Average P	ercolation	ite presoak? Rate:	Yes, use 30-r	ninute interva	il; No, use 10-	-minute Interv ·	al,	
Hole No.	1/4 1/8	during period "		c. Rate as utes/Inch	Dep of H 20 20		true :	and correct lucted by m	provided it result of te re, peforme	ests ed	
3	3/4		40	· · · · · · · · · · · · · · · · · · ·	20	"	or ve	r my perso rified j n a n	nal supervi nanner	ision,	
	1	ıı	30		20	ıı		oved by DE			
	1/4		120		20	—— " Min	(S)	11/2			
	1 1/2		20		20	" Inch	\	Sewage Enfo	orcement Offic	cer	
OTAL OF N	IIN / IN -	→	570		= 95						
OTAL NO. (OF HOLE	ES→	6	·							



SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

UNSU	ABLE JITABLI	Soi	l Type Mottling Perc. Rate	P 4-21 Slop Seeps ⊕ Slope	e 5 9 or Ponded	% Depth to Water ☐ tabilized Fil	Limiting Z	I I betonfo	Maloney OP Ave	e. Perc. Rat	
		PTIONI-		ory Warn	er		Control of the second of the second	The second second	-	a kill kar oor. It has on for some broke in the so	
lnc	hes					Desc	ription of I	Horizan	Date, 1072	-0/2021	
0				2/1 Very D	ark Grey;S	ilt Loam;Gr	anular;Ven	/ Friable			
3	TO <u>33</u>	DOP		5/8 Yellowi					dox and GI	evina @ 33	211
	то									oying to oc	<u> </u>
	ТО								•		
	то				····						
						·					
	TO										
veather C	ondition	s: [Below 4	0°F 2 4	0°F or abo Frozen	ve 🗌 Dry	/ 🚇 Rai	n, Sleet, Sr	now (last 2	4 hours)	
Weather C Soll Condit	ondition ions:	s: [Reading	Reading No. 1:	0°F or abore Frozen Reading No. 2:	Reading	Reading	Reading	Reading	Reading	Reading
Percolation Weather C Soil Condit Hole No.	ondition ions:	s: [Reading	Reading No. 1: Inches of drop	Reading No. 2:	Reading No. 3:	Reading No. 4: Inches of drop	Reading No. 5;	Reading	Reading	No Br
Weather C Soll Condit Hole No.	ondition ions:	s: [Reading	Reading No. 1:	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4; Inches of drop	Reading	Reading	Reading	No Br
Weather Condit	Yes	s: [Reading Interval	Reading No. 1: Inches of drop	Reading No. 2:	Reading No. 3: Inches of drop 0	Reading No. 4: Inches of drop 0	Reading No. 5; Inches of drop	Reading No. 6: Inches of drop	Reading No. 7 Inches of drop	No Br
Hole No.	Yes X X X	s: [Reading Interval 10/30	Reading No. 1: Inches of drop 0	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4; Inches of drop	Reading No. 5;	Reading	Reading	No Br
Hole No. 1 2 3 4 5	Yes X X X X	s: [Reading Interval 10/30 10/30	Reading No. 1: Inches of drop 0 0 3 1/2	Reading No. 2: Inches of dro 0 0 3 1/2	Reading No. 3: Inches of drop 0 1/8 3 1/2	Reading No. 4: Inches of drop 0 0 3 1/8	Reading No. 5; Inches of drop	Reading No. 6: Inches of drop	Reading No. 7 Inches of drop	No Br
Hole No. 1 2 3 4 5 6	Yes X X X X	S:	Reading Interval 10/30 10/30 10/30 10/30 10/30 10/30 10/30	Reading No. 1: Inches of drop 0 0 3 1/2 0 1/8 3 1/8	Reading No. 2: Inches of drop 0 0 3 1/2 0 1/8 3 1/8	Reading No. 3: Inches of drop 0 1/8 3 1/2 1/8 1/8 2 7/8	Reading No. 4; Inches of drop 0 0 3 1/8 0	Reading No. 5; Inches of drop	Reading No. 6: Inches of drop	Reading No. 7 Inches of drop	No Br
Hole No. 1 2 3 4 5 6 Water remains	Yes X X X X X ning in the	No No e hole at	Reading Interval 10/30 10/30 10/30 10/30 10/30 the end of the	Reading No. 1: Inches of drop 0 0 3 1/2 0 1/8 3 1/8 e final 30-minu	Reading No. 2: Inches of drop 0 0 3 1/2 0 1/8 3 1/8 ste presoak?	Reading No. 3: Inches of drop 0 1/8 3 1/2 1/8 1/8 2 7/8	Reading No. 4; Inches of drop 0 0 3 1/8 0	Reading No. 5; Inches of drop	Reading No. 6: Inches of drop	Reading No. 7 Inches of drop	No Br
Hole No. 1 2 3 4 5 6 Water remai	Yes X X X X Ining in the	No No ion of A	Reading Interval 10/30 10/30 10/30 10/30 10/30 10/30 the end of the Average F	Reading No. 1: Inches of drop 0 0 3 1/2 0 1/8 3 1/8 e final 30-minu	Reading No. 2: Inches of drop 0 0 3 1/2 0 1/8 3 1/8 atte presoak?	Reading No. 3: Inches of drop 0 1/8 3 1/2 1/8 1/8 2 7/8 Yes, use 30-n	Reading No. 4; Inches of drop 0 0 3 1/8 0	Reading No. 5; Inches of drop	Reading No. 6: Inches of drop	Reading No. 7 Inches of drop	No Br
Veather Coolid Condit	Yes X X X X ning in the	No No e hole at	Reading Interval 10/30 10/30 10/30 10/30 10/30 the end of the Average F	Reading No. 1: Inches of drop 0 0 3 1/2 0 1/8 3 1/8 e final 30-minu Percolation c. Rate as	Reading No. 2: Inches of drop 0 0 3 1/2 0 1/8 3 1/8 ate presoak? Rate:	Reading No. 3: Inches of drop 0 1/8 3 1/2 1/8 1/8 2 7/8 Yes, use 30-n	Reading No. 4: Inches of drop 0 0 3 1/8 0 0 · 3 ninute interve	Reading No. 5; Inches of drop 3 1/8	Reading No. 6: Inches of drop 3	Reading No. 7 Inches of drop 2 7/8	No Br
Veather Coolid Condit	Yes X X X X A Ining in the Drop final 0	No No ion of A	Reading Interval 10/30 10/30 10/30 10/30 10/30 the end of the Average F	Reading No. 1: Inches of drop 0 0 3 1/2 0 1/8 3 1/8 e final 30-minu	Reading No. 2: Inches of drop 0 0 3 1/2 0 1/8 3 1/8 atte presoak?	Reading No. 3: Inches of drop 0 1/8 3 1/2 1/8 1/8 2 7/8 Yes, use 30-n	Reading No. 4: Inches of drop 0 0 3 1/8 0 0 3 minute Interva	Reading No. 5; Inches of drop 3 1/8 It; No, use 10- Information	Reading No. 6: Inches of drop 3 -minute interv	Reading No. 7 Inches of drop 2 7/8 ral.	No Br
Veather Coolid Condit	Yes X X X X A Ining in the Calculat Drop final 0 0	No No during period	Reading Interval 10/30 10/30 10/30 10/30 10/30 the end of the Average F Per Mir 240 240	Reading No. 1: Inches of drop 0 0 3 1/2 0 1/8 3 1/8 e final 30-minu Percolation c. Rate as	Reading No. 2: Inches of drop 0 0 3 1/2 0 1/8 3 1/8 Ite presoak? Rate: Deport	Reading No. 3: Inches of drop 0 1/8 3 1/2 1/8 1/8 2 7/8 Yes, use 30-n	Reading No. 4: Inches of drop 0 0 3 1/8 0 0 · 3 Indicate Interval	Reading No. 5; Inches of drop 3 1/8 It; No, use 10- Information and correct ucted by n	Reading No. 6: Inches of drop 3 minute interv in provided it result of te	Reading No. 7 Inches of drop 2 7/8 ral.	No Br
Hole No. 1 2 3 4 5 6 Water remai	Yes X X X X A Drop final 0 0 2 7/8	No No during period	Reading Interval 10/30 10/30 10/30 10/30 10/30 the end of the Average F Per Mir 240 240 10.4	Reading No. 1: Inches of drop 0 0 3 1/2 0 1/8 3 1/8 e final 30-minu Percolation c. Rate as	Reading No. 2: Inches of dro 0 0 3 1/2 0 1/8 3 1/8 Ite presoak? Rate: Deport	Reading No. 3: Inches of drop 0 1/8 3 1/2 1/8 1/8 2 7/8 Yes, use 30-n oth ole "	Reading No. 4: Inches of drop 0 0 3 1/8 0 0 3 animute interva	Reading No. 5: Inches of drop 3 1/8 It; No, use 10- and correct ucted by normy perso rified in a no	Reading No. 6: Inches of drop 3 minute interv result of telle, peformer nal supervi	Reading No. 7 Inches of drop 2 7/8 ral.	No Br
Hole No. 1 2 3 4 5 6 Water remai	Yes X X X X X A A A A A A A A A A A A A A	No No during period "" "" ""	Reading Interval 10/30 10/30 10/30 10/30 10/30 the end of the Average F Per Mir 240 240 10.4 240	Reading No. 1: Inches of drop 0 0 3 1/2 0 1/8 3 1/8 e final 30-minu Percolation c. Rate as	Reading No. 2: Inches of drop 0 0 3 1/2 0 1/8 3 1/8 ate presoak? Rate: Deport	Reading No. 3: Inches of drop 0 1/8 3 1/2 1/8 1/8 2 7/8 Yes, use 30-n	Reading No. 4: Inches of drop 0 0 3 1/8 0 0 3 animute interva	Reading No. 5; Inches of drop 3 1/8 It; No, use 10- Information and correct ucted by nor my perso	Reading No. 6: Inches of drop 3 minute interv result of telle, peformer nal supervi	Reading No. 7 Inches of drop 2 7/8 ral.	No Br
Hole No. 1 2 3 4 5 6 Water remai	Yes X X X X A Drop final 0 0 2 7/8 0 0	No No during period "	Reading Interval 10/30 10/30 10/30 10/30 10/30 the end of the Average F Mir 240 240 240 240	Reading No. 1: Inches of drop 0 0 3 1/2 0 1/8 3 1/8 e final 30-minu Percolation c. Rate as	Reading No. 2: Inches of drop 0 3 1/2 0 1/8 3 1/8 Ite presoak? Rate: Deport of H 20 20 20 20 20	Reading No. 3: Inches of drop 0 1/8 3 1/2 1/8 1/8 2 7/8 Yes, use 30-n	Reading No. 4: Inches of drop 0 0 3 1/8 0 0 3 animute interva	Reading No. 5: Inches of drop 3 1/8 It; No, use 10- and correct ucted by normy perso rified in a no	Reading No. 6: Inches of drop 3 minute interv result of telle, peformer nal supervi	Reading No. 7 Inches of drop 2 7/8 ral.	No Br
Hole No. 1 2 3 4 5 6 Water remail	Yes X X X X X Aning in the Calculat Drop final 0 0 2 7/8 0 0 3	No No during period	Reading Interval 10/30 10/30 10/30 10/30 10/30 10/30 the end of the Average F Mir 240 240 240 10	Reading No. 1: Inches of drop 0 0 3 1/2 0 1/8 3 1/8 e final 30-minute. Percolation oc. Rate as nutes/Inch	Reading No. 2: Inches of drop 0 0 3 1/2 0 1/8 3 1/8 Ite presoak? Rate: Dep of H 20 20 20 20 20 20	Reading No. 3: Inches of drop 0 1/8 3 1/2 1/8 1/8 2 7/8 Yes, use 30-n oth ole """ "" "" "" "" "" "" "" "" "" "" "" "	Reading No. 4: Inches of drop 0 0 3 1/8 0 0 3 minute interval The true: cond unde or ve	Reading No. 5; Inches of drop 3 1/8 Information and correct ucted by many perso rified in a moved by DE	Reading No. 6: Inches of drop 3 minute interv result of telle, peformer nal supervi	Reading No. 7 Inches of drop 2 7/8 ral. Is the ests ed ision,	No Br
Hole No. 1 2 3 4 5 6 Water remai	Yes X X X X X A A A A A A A A A A A A A A	No No during period "" "" ""	Reading Interval 10/30 10/30 10/30 10/30 10/30 the end of the Average F Mir 240 240 240 240	Reading No. 1: Inches of drop 0 0 3 1/2 0 1/8 3 1/8 e final 30-minute. Percolation oc. Rate as nutes/Inch	Reading No. 2: Inches of drop 0 3 1/2 0 1/8 3 1/8 Ite presoak? Rate: Deport of H 20 20 20 20 20	Reading No. 3: Inches of drop 0 1/8 3 1/2 1/8 1/8 2 7/8 Yes, use 30-n oth ole """ "" "" "" "" "" "" "" "" "" "" "" "	Reading No. 4: Inches of drop 0 0 3 1/8 0 0 3 minute interval The true: cond unde or ve	Reading No. 5; Inches of drop 3 1/8 Information and correct ucted by many perso rified in a moved by DE	Reading No. 6: Inches of drop 3 minute intervity tresult of tele, peformer anner P.	Reading No. 7 Inches of drop 2 7/8 ral. Is the ests ed ision,	No Br



☐ White - Local Agency

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Site Loc	tion No cation Halfmoon FABLE So UITABLE []	Acres TP 5	-21 South	_ 5.5 o	/ Donth to	Subdivis	ion Name	County Maloney	COINC	
		Perc. Rate	☐ Slope	Uns 🔲	water tabilized F((Bedrock	Eractu	roo [10	
SOILS De	DESCRIPTION: scription Comp			0r			description of the second			
	ches					ription of I				
0	TO <u>4</u>	10YR	2/1 Very Da	ark Grey; E	xtremely C	hannery Si	It Loam:Gr	anular:Ven	/ Friable	
4	TO 33 DOP	7.5YR	5/8 Strong B	rown;Very C	hannery Loa	m:Weak SE	RK Eriable	Podov ond	Olavian O. o	
	то	-			200	ini, voak GL	inable	Redox and (Jeying @ 3	3"
	то	-								
	ТО			-						
						* * * * * * * * * * * * * * * * * * * *				
	ТО	<u></u>			·					
	n Test Comple Conditions: [itlons: [☐ Below 40	nathan 1, D°F 1 40 Dry	0°F or abov	/e 🛭 Dry	/ □ Rai		Date: <u>7/27/2</u> now (last 2		
	**4									
Hala Na		Reading	Reading No. 1:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading	Reading
Hole No.	Yes No	Interval 10/30	Inches of drop 1 1/2		Inches of drop	Inches of drop	Inches of drop	Inches of drop	No. 7 Inches of drop	No. 8: Inches of drop
2	X	10/30	1 1/2	1 1/4	1 1/4	7/8	3/4	7/8		
3	X	10/30	1/8	1/8	1/8	1 1/8	1			
4	X	10/30	2 1/2	2 3/8	2 1/4	2 1/8	2	2		
5	X	10/30	4 1/4	4 1/8	4	3 7/8	3 3/4	2 7/8	2 3/4	2 3/4
6	X	10/30	2 7/8	2 1/2	2	1 3/4	1 3//	1 110	4.410	2 3/4
Water rema	lining in the hole at	the end of the	final 30-minu	ite presoak?	Yes, use 30-r	ninute Interva	l; No, use 10-	minute interv	al.	
l	Calculation of		ercolation	Rate:						
Hole No.	Drop during final period		c. Rate as utes/Inch	Dep		The	nformation	provided i	s the	
	7/8	" 34.3	utes/ffici)	of H 20	ole "	true :	and correct	t result of te	ests	
	1	30		20		cond	ucted by m	ie, peforme nal supervi	ed late	
	.1/8	240		20	и	or ve	rified in a n	nan supervi nanner	ision,	
	2	15		20	n		veg by DE			
	2 3/4 "	10.9		20	ш	. (S)	// " /	American de la constitución de l		
	1 1/2 "	20		20	Min		Sewage Enfo	rcement Offic	er	
					Inch	L	¥ -			
TAL OF N	NIN / IN →	350.2		= 58,36						

☐ Pink - Local DEP Office

☐ Yellow - Applicant



SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

		□P	erc. Rate	-21 North Slope Seeps o	ronaea i Unst	vvater <u> </u>	Bedrock	∐ Fractu ⊡ dwav	res	Coarse Fr	agments
SOILS D	ESCRIPT scription (FIONI-		ory Warne	Or		and the state of t	Section of the Contraction of th		THE CONTRACTOR OF STREET	*
	hes						ription of I		Date	-0/2021	
0	TO <u>4</u>		10YR	2/1 Very Da	ark Grey; E	xtremely C	hannery Si	It Loam:Gr	anular:Ver	v Friable	
4	TO 33 D	OP		5/8 Strong Bi							3"
	ТО									-119 68 31	
	TO			· · · · · · · · · · · · · · · · · · ·		···-					
				-							
	TO		-								
	то										
Weather C Soil Condi	tions:		Wet	D°F @ 40	Frozen			n, Sleet, S	now (last 2	4 hours)	
	41	4.*		Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
Llala Ma	1		Reading	No. 1:	No. 2:	No. 3;	No. 4:	No. 5:		No 7	1
Hole No.	Yes	No	Interval	Inches of drop	Inches of dro	Inches of drop	No. 4:	No. 5: Inches of drop	No. 6: Inches of drop	No. 7	No or
Hole No.	Yes X	No	Interval 10 / 30	Inches of drop 5/8	Inches of dro	Inches of drop 3/8	Inches of dro	Inches of drop	No. 6: Inches of drop 1/8	Inches of drop	No. 8: Inches of dro
1	X	No	Interval	Inches of drop	Inches of dro	Inches of drop	1/4 3 5/8	Inches of drop	No. 6: Inches of drop	No. 7 Inches of drop	No or
1 2	X X X X X	No	Interval 10 / 30 10 / 30	Inches of drop 5/8 4	5/8 3 7/8	Inches of drop 3/8 3 3/4	Inches of dro	Inches of drop	No. 6: Inches of drop 1/8	Inches of drop	No. 8: Inches of dro
1 2 3 4 5	X X X X	No	Interval 10/30 10/30 10/30	Inches of drop 5/8 4 2 3/4	5/8 3 7/8 2 3/4	3/8 3 3/4 2 5/8	1/4 3 5/8 2 1/2	1/8 3 3/8	No. 6: Inches of drop 1/8	Inches of drop	No. 8: Inches of dro
1 2 3 4 5 6	X X X X X		Interval 10/30 10/30 10/30 10/30 10/30 10/30	Inches of drop 5/8 4 2 3/4 5/8 3 3/8 1/8	1/8 3 7/8 2 3/4 1/4 3 1/4 1/8	9 Inches of drop 3/8 3 3/4 2 5/8 1/4 2 3/4	1/4 3 5/8 2 1/2 1/8 2 1/4	1/8 3 3/8 1/4 2 1/4	No. 6: Inches of drop 1/8 3 3/8	3 1/4 2 1/8	No. 8: Inches of dro
1 2 3 4 5 6 Water rema	X X X X X X X X Inining In the	hole at t	Interval 10/30 10/30 10/30 10/30 10/30 10/30 he end of th	Inches of drop 5/8 4 2 3/4 5/8 3 3/8 1/8 e final 30-minu	1/8 3 7/8 2 3/4 1/4 3 1/4 1/8 1/8 1/4 presoak?	9 Inches of drop 3/8 3 3/4 2 5/8 1/4 2 3/4	1/4 3 5/8 2 1/2 1/8 2 1/4	1/8 3 3/8 1/4 2 1/4	No. 6: Inches of drop 1/8 3 3/8	3 1/4 2 1/8	No. 8: Inches of dro
1 2 3 4 5 6	X X X X X X x ining In the	hole at t	Interval 10/30 10/30 10/30 10/30 10/30 10/30 he end of the	5/8 4 2 3/4 5/8 3 3/8 1/8 e final 30-minu	1/4 3 1/4 3 1/4 1/8 2 3/4 1/4 3 1/4 1/8 3 tte presoak?	9 Inches of drop 3/8 3 3/4 2 5/8 1/4 2 3/4 1/4 Yes, use 30-1	1/4 3 5/8 2 1/2 1/8 2 1/4	1/8 3 3/8 1/4 2 1/4	No. 6: Inches of drop 1/8 3 3/8	3 1/4 2 1/8	No. 8: Inches of dro
1 2 3 4 5 6 Water rema	X X X X X X Sining in the	hole at to	Interval 10/30 10/30 10/30 10/30 10/30 10/30 he end of the Average F	Inches of drop 5/8 4 2 3/4 5/8 3 3/8 1/8 e final 30-minutercolation c. Rate as	1/4 3 1/4 3 1/4 1/8 2 3/4 1/4 3 1/4 1/8 3 1/4 1/8 3 1/4 1/8 3 1/4 1/8	9 Inches of drop 3/8 3 3/4 2 5/8 1/4 2 3/4 1/4 Yes, use 30-1	1/4 3 5/8 2 1/2 1/8 2 1/4 1/8 minute interval	1/8 3 3/8 1/4 2 1/4 21/4 information	No. 6: Inches of drop 1/8 3 3/8 2 1/4 -minute interval	3 1/4 2 1/8 val.	No. 8: Inches of dro
1 2 3 4 5 6 Water rema	X X X X X X Sining in the	hole at t	Interval 10/30 10/30 10/30 10/30 10/30 10/30 he end of the Average F	5/8 4 2 3/4 5/8 3 3/8 1/8 e final 30-minu	1/4 3 1/4 3 1/4 1/8 2 3/4 1/4 3 1/4 1/8 3 tte presoak?	9 Inches of drop 3/8 3 3/4 2 5/8 1/4 2 3/4 1/4 Yes, use 30-1	Inches of droi 1/4 3 5/8 2 1/2 1/8 2 1/4 1/8 minute interval	1/8 3 3/8 1/4 2 1/4 2 1/4 information and correct	No. 6: Dinches of drop 1/8 3 3/8 2 1/4 -minute intervited at result of the	3 1/4 2 1/8 val.	No. 8: Inches of dro
1 2 3 4 5 6 Water rema	X X X X X x ining In the Calculation	hole at to	Interval 10/30 10/30 10/30 10/30 10/30 10/30 the end of the Average F Per Mir	Inches of drop 5/8 4 2 3/4 5/8 3 3/8 1/8 e final 30-minutercolation c. Rate as	Inches of dro 5/8 3 7/8 2 3/4 1/4 3 1/4 1/8 Ite presoak? Rate: De	1/4 2 3/4 1/4 Yes, use 30-r	Inches of droi 1/4 3 5/8 2 1/2 1/8 2 1/4 1/8 minute interval The true cond	1/8 3 3/8 1/4 2 1/4 2 1/4 information and correction ducted by many series of the seri	No. 6: Inches of drop 1/8 3 3/8 2 1/4 -minute intervited of tresult of the peform	3 1/4 2 1/8 val. is the tests	No. 8: Inches of dro
1 2 3 4 5 6	X X X X X Sining In the Calculation Drop final properties 1/8 3 1/4 2 1/2	hole at to on of A during period	Interval 10/30 10/30 10/30 10/30 10/30 10/30 the end of the Average F Per Mir 240	Inches of drop 5/8 4 2 3/4 5/8 3 3/8 1/8 e final 30-minutercolation c. Rate as	Inches of dro 5/8 3 7/8 2 3/4 1/4 3 1/4 1/8 Ute presoak? Rate: Delof H	10 Inches of drop 3/8 3 3/4 2 5/8 1/4 2 3/4 1/4 Yes, use 30-1	Inches of droi 1/4 3 5/8 2 1/2 1/8 2 1/4 1/8 Tinute interval The true condunds or ve	information and correct lucted by ner my personal in a life in a l	No. 6: Inches of drop 1/8 3 3/8 2 1/4 -minute intervited at result of the performation of the performance of	3 1/4 2 1/8 val. is the tests	No. 8: Inches of dro
1 2 3 4 5 6 Water rema	X X X X X X Sining in the Calculation of the final properties of the final pro	hole at to on of A during period	Interval 10 / 30 10 / 30 10 / 30 10 / 30 10 / 30 10 / 30 he end of the Average F Per Mir 240 9.2	Inches of drop 5/8 4 2 3/4 5/8 3 3/8 1/8 e final 30-minutercolation c. Rate as	Inches of dro 5/8 3 7/8 2 3/4 1/4 3 1/4 1/8 Ite presoak? Rate: Deport	1 Inches of drop 3/8 3 3/4 2 5/8 1/4 2 3/4 1/4 Yes, use 30-1	Inches of droi 1/4 3 5/8 2 1/2 1/8 2 1/4 1/8 Tinute interval The true condunds or ve	1/8 3 3/8 1/4 2 1/4 2 1/4 information and correction to the correction arm person may pe	No. 6: Inches of drop 1/8 3 3/8 2 1/4 -minute intervited at result of the performation of the performance of	3 1/4 2 1/8 val. is the tests	No. 8: Inches of dro
1 2 3 4 5 6 Water rema	X X X X X X X X X X Inining in the Calculation Drop final part 1/8 3 1/4 2 1/2 1/4 2 1/8	hole at to on of A during period "	Interval 10/30 10/30 10/30 10/30 10/30 10/30 the end of the Average F Per Mir 240 9.2 12 120 14.1	Inches of drop 5/8 4 2 3/4 5/8 3 3/8 1/8 e final 30-minutercolation c. Rate as	Inches of dro 5/8 3 7/8 2 3/4 1/4 3 1/4 1/8 Ite presoak? Rate: De of H 20 20	1 Inches of drop 3/8 3 3/4 2 5/8 1/4 2 3/4 1/4 Yes, use 30-poth lole """"""""""""""""""""""""""""""""""	Inches of droi 1/4 3 5/8 2 1/2 1/8 2 1/4 1/8 Tinute interval The true condunds or ve	information and correct lucted by ner my personal in a life in a l	No. 6: Inches of drop 1/8 3 3/8 2 1/4 -minute intervited at result of the performation of the performance of	3 1/4 2 1/8 val. is the tests	No. 8: Inches of dro
1 2 3 4 5 6 Water remains	X X X X X X X X X X X X X X X X X X X	hole at toon of A during period	Interval 10 / 30 10 / 30 10 / 30 10 / 30 10 / 30 10 / 30 he end of the Average F Per Mir 240 9.2 12 120	Inches of drop 5/8 4 2 3/4 5/8 3 3/8 1/8 e final 30-minutercolation c. Rate as	Inches of dro 5/8 3 7/8 2 3/4 1/4 3 1/4 1/8 Ite presoak? Rate: De of H 20 20 20 20	p Inches of drop 3/8 3 3/4 2 5/8 1/4 2 3/4 1/4 Yes, use 30-1	Inches of droi 1/4 3 5/8 2 1/2 1/8 2 1/4 1/8 minute interval The true condunds or ve appr	inches of drop 1/8 3 3/8 1/4 2 1/4 2 1/4 information and correction and correction are my person over by Direction by Direction and correction are my person over by Direction by Direction and correction are my person over by Direction and Correction and Correction are my person over by Direction and Correction and Correction are my person over by Direction and Correction are my person over by Direction and Correction and Correction are my person over by Direction and Correction are my person over by Direction and Correction are my person over by Direction and Correction and Correction are my person over by Direction and Correction and Correction are my person over by Direction and Correction are my person over by Directi	No. 6: Inches of drop 1/8 3 3/8 2 1/4 -minute intervited at result of the performation of the performance of	3 1/4 2 1/8 val. is the tests ed vision,	No. 8: Inches of dro
1 2 3 4 5 6 Water remains	X X X X X X X X X X Inining in the Calculation Drop final part 1/8 3 1/4 2 1/2 1/4 2 1/8	hole at to	Interval 10/30 10/30 10/30 10/30 10/30 10/30 the end of the Average F Per Mir 240 9.2 12 120 14.1	Inches of drop 5/8 4 2 3/4 5/8 3 3/8 1/8 e finel 30-minutercolation c. Rate as nutes/Inch	Inches of dro 5/8 3 7/8 2 3/4 1/4 3 1/4 1/8 Ite presoak? Rate: De of H 20 20 20 20 20	p Inches of drop 3/8 3 3/4 2 5/8 1/4 2 3/4 1/4 Yes, use 30-1 pth lole """ "" "" "" "" "" "" Inch	Inches of droi 1/4 3 5/8 2 1/2 1/8 2 1/4 1/8 minute interval The true condunds or ve appr	inches of drop 1/8 3 3/8 1/4 2 1/4 2 1/4 information and correction and correction are my person over by Direction by Direction and correction are my person over by Direction by Direction and correction are my person over by Direction and Correction and Correction are my person over by Direction and Correction and Correction are my person over by Direction and Correction are my person over by Direction and Correction and Correction are my person over by Direction and Correction are my person over by Direction and Correction are my person over by Direction and Correction and Correction are my person over by Direction and Correction and Correction are my person over by Direction and Correction are my person over by Directi	No. 6: Inches of drop 1/8 3 3/8 2 1/4 -minute intended at result of the peromanner in the peromanner	3 1/4 2 1/8 val. is the tests ed vision,	No. 8: Inches of dro



SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

Applicat	lion No.	100n Acres 7		_ Municip	ality Halfm	oon		County	Centre	
		100n Acres 7	P 6-21			Subdivisi	on Name	Maloney	<u></u>	
	ABLE		Slope	95 %	Depth to	Limiting 7	one 22"	A.40	Dara Dal	9
□ 0NS	ULABLE	☐ Morning	□ Seeps c	r Ponded V	Vater [_]	Bedrock	Fractu	res 🗀	Charge Fr	raamonto
		☐ Perc. Rate	⊢ ∐ Slope	U Unsta	abilized Fill	☐ Floo	dway []	Other		
SOILS E	ESCRIPTION	ON:	ory Warn	- to						Proceeds for the consent law.
		ompleted by:	ory warre	71 				Date: 10/2	6/2021	
	ches				Desci	iption of F	lorizon			
0	TO <u>4</u>	10YR	2/1 Very Da	ark Grey;Sil	t Loam;Gra	anular;Very	Friable			
4	TO 22	7.5YF	8 5/8 Strong	Brown;Loa	m;Weak S	BK,Frlable	Redox an	d Gleying (@ 22	
22	TO 33 DO	7.5YF	8 5/8 Strong.	Brown;Loa	m;Weak SI	3K,Friable			, V	
	то									
,	то	_								
***************************************	то	-								
PERCOL	ATION TES	T.				errezi zan errezi	Descript Statement of the	CONTRACTOR CONTRACTOR		The same of the same
Percolatio	n Test Con	npleted by:					-	lata		
Weather (Conditions:	☐ Below 4	0°F □4	0°F or abov	/e □ Dr	/ D Rai	n Sleet Si	Date:	1 hours	
Soil Cond	itlons:	☐ Wet [Dry 🗀	Frozen	, LI 21,	г Диан	ni Oleet Ol	iow (last 2	+ 110018)	
	***		Reading	Reading	Reading	Reading	I Desiles	T 8		
Hole No.	Yes	No Interval	No. 1:	No. 2:	No. 3:	No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7	Reading No. 8:
1	103	No Interval	Inches of drop	inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop
2		10/30						<u> </u>		ļ
3		10/30								
4		10/30								
5		10/30		· · · · · · · · · · · · · · · · · · ·					<u> </u>	
6		10/30								
***Water rem	aining in the ho	ole at the end of t	ne final 30-mine	ite presoak?	Yes, use 30-	ninute interva	il; No, use 10	-minute Interv	al.	L
	Calculation	n of Average	Percolation	Rate:						
	Drop de		rc. Rate as	Dep	oth	T.,				
Hole No.		erlod Mi	nutes/Inch	of H	ole	Ine	Information	n provided i t result of to	s the	
1	<u> </u>				u			18, peforme		
2					ч	unde	r my perso	nal superv	islon,	
3		11			н		rified in a r			
4		<u> </u>			tt	appro	oved by DE	: ₽.		
5			·····		" Min	(S)_	lich L	ALE TO THE PARTY OF THE PARTY O		
6	A			-	" Inch		Sowage Enfo	orcement Offic	cer	
TOTAL OF	MIN / IN →	···		=		•				
TOTAL NO.	OF HOLES	3→					•			
			-							
[] \A/bita I	.ocal Agend	n) /		—						
□ AATHIG - I	.ocai Ayenc	iy		☐ Pink -	Local DEP	Office			Yellow - A	pplicant



SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

Applicati	on No. ation <u>Halfmoon</u>	A	5 7 6 4	_ Municip	ality Halfm	oon		County	Centre	
Site Loca	ation Halfmoon ABLE Sol	Acres I	P 7-21	0 -		Subdivisi	on Name 🏻	Maloney		
☐ UNSL	NDLE 501	i Type Mottling	Slope	9 <u>U</u> %	Depth to	Limiting Zo	one <u>21"</u>	Ave.	Perc. Rate	9
Щ о лос			T ceehe o	ii monueu y	vater i i	Redrock	Fractu	rae	Caaraa C-	
SOILS D	ESCRIPTION:	21017 (G10	Slope	LI Olisi	aniized Fili		dway ∐	Other		
Solls Des	ecription Compl	eted by: C	ory Warn							al of estimate or more ex-
	hes	J 100				ription of H		Date: 10/2	0/2021	
0	то <u>3</u>	10YR	2/1 Very Da	ark Grey;Sil	t Loam;Gra	anular;Very	Friable			
3	TO 12		7/8 Yellow;l							-
12	TO 21	5YR 6	/6 Reddish	Yellow;Silt	Loam;Wea	k SBK,Fria	ble Red	ox @ 21		
21	To <u>27</u>	5YR 6	/6 Reddish	Yellow;Silt	Loam;Wea	k SBK,Fria	ble			
-	то									-
	то									
PERCOLA	TION TEST:			CONTRACTOR OF THE STREET	STEEN STEEN STEEN STEEN					
Percolation	Test Complet									
weamer C	onaliaons: L	T Relow 4	0°F 1 140	0°F or abov	re Dn)ate: now (last 24		
Soil Condit	ions:]Wet [」Dry □	Frozen	•		.,, .,	10 17 (ICIO) <u>Z</u>	r nouta)	
	***	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
Hole No.	Yes No	Interval	No. 1: Inches of drop	No. 2: Inches of drop	No. 3: Inches of drop	No. 4:	No. 5:	No. 6:	No 7	No. 8: Inches of drop
11		10/30					in evide of Glop	motica of Grop	priories of drop	inches of drop
22		10/30								
3		10/30								
<u> 4 </u>	<u> </u>	10/30								
5	 	10/30								
6	<u> </u>	10/30	·····							
···Water rema	Ining in the hole at	the end of th	e final 30-mini	ite presoak?	Yes, use 30-r	ninute interva	l; No, use 10	minute interv	al.	
(Calculation of			Rate:						
Hole No.	Drop during		c. Rate as	Dep	oth	The	information	provided i	is the	
1	final period	IVIII 1	nutes/inch	of H	ol e	true	and correc	t result of to	ests	
2				*****	и	cond	lucted by n	ie, peforme	ed l	
3		· · · · · · · · · · · · · · · · · · ·			"	unde	r my perso	nal superv	ision,	
		· · · · · · · · · · · · · · · · · · ·					rified in a r oved by DE			
4	11		···		<u> </u>	appi	// 5,7	-1 :		
5					" Mín	(S)_	h & h			
6	4114 4 114 4				"		Sewage Enf	orcement Offic	cer	
TOTAL OF N				-	~~~	_				
TOTAL NO.	OF HOLES→									
☐ White - L	ocal Agency			☐ Pink -	Local DEP	Office		, i		
	- ,				LOUGI DEP	Ounce			Yellow - Ap	oplicant



SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

Citm I aaak					. Municipa	lity Francis	on		County S	Centre	
Site Locat	ion Haitr	noon A	cres TF	8-21			Subdivisio	n Name <u>N</u>	laloney		
SUITA	BLE	Soil T	ype	2 8-21 Slope	2%	Depth to	Limiting Zo	ne <u>22"</u>	Ave.	Perc. Rate	
	IABLE		ottling	∟l Seeps or	Ponded W	ater	Bedrock	☐ Fractur	es 🗌	Coarse Fra	adments
economic appropriate par	ar e sina vinerita	A PROPERTY OF THE PARTY OF THE	rc, Rate	☐ Slope	Unsta	bilized Fill	∐ Flood	tway [_]	Other		
SOILS DE	SCRIPT	ION:	C	ory Warne	r						*************
		omplete	ea by: <u>~</u>				*************************************		Date: 10/26	5/2021	
Inch			40)/5	5// L/ 5			iption of H				
0				2/1 Very Da				Friable			
37	го <u>22 </u>		7.5YR	5/8 Strong I	3rown;Loar	n;Weak SE	3K,Frlable	4.0			
7	ГО									_	
Т	·o			_							
т	то						<u> </u>				
	·o										
	-			The section of the Property of the action of the							
PERCOLAT								- Linear Control	A PROPERTY AND A PROP	**************************************	
ercolation		mpleted	l by:)ate:		
Veather Co		:	Below 40	2°F)°F or abov	e 🗌 Dry	r 🔲 Rair	n, Sleet, Sr	now (last 24	hours)	
Boil Condition	ons:	Ц	vvet L	Dry 🗌	Frozen					•	
	14	*		Reading	Reading	Reading	Reading	Reading	Reading	Reading	Readi
Hole No.	Yes	No	Reading Interval	No. 1: Inches of drop	No. 2: Inches of drop	No. 3:	No. 4: Inches of drop	No. 5;	No. 6:	No. 7	No. 8
1			10/30			monoc or arep	anonco or drop	mones or drop	mores or drop	hirolina ol olob	inches or
2.			10/30								ļ
3			10/30								
4			10/30								
5			10/30								
6	L		10/30						4		
Water remain				e final 30-minu		Yes, use 30-ı	ninute Interva	l; No, use 10	-minute interv	al.	
	alculation	on of A	verage F	Percolation	Rate:						
C			_	. n	D				provided	s the	
	Drop	during		c. Rate as	Dep	otn	The	intormation	Provided		
	Drop			rc. Rate as nutes/Inch	of H	otn ole	true		t result of t	ests	
	Drop	period			of H	otn ole "	true :	and correctucted by n	t result of t	ests ed	
	Drop	period			of H	otn ole "	true : cond unde	and correct fucted by norrect from my person	t result of t ne, peforme onal superv	ests ed	
	Drop	period			of H	otn ole "	true : cond unde or ve	and correctucted by n	t result of to ne, peformo nal superv nanner	ests ed	
	Drop	period			of H	ole	true : cond unde or ve appro	and correct ucted by no r my perso rifled in a re oved by Di	t result of to ne, peformo nal superv nanner	ests ed	
	Drop	period "			of H	ole " " " " " " " " " " " " " " " " " "	true : cond unde or ve	and correct ucted by nor my perso rifled in a noved by DE	t result of to ne, peformo onal superv manner EP.	ests ed islon,	
Hole No.	Drop final p	period			of H	ole	true : cond unde or ve appro	and correct ucted by nor my perso rifled in a noved by DE	t result of to ne, peformo nal superv nanner	ests ed islon,	
Hole No.	Drop final p	period			of H	ole " " " " " " " " " " " " " " " " " "	true : cond unde or ve appro	and correct ucted by nor my perso rifled in a noved by DE	t result of to ne, peformo onal superv manner EP.	ests ed islon,	
Hole No.	Drop final p	period			of H	ole " " " " " " " " " " " " " " " " " "	true : cond unde or ve appro	and correct ucted by nor my perso rifled in a noved by DE	t result of to ne, peformo onal superv manner EP.	ests ed islon,	
Hole No.	Drop final p	period			of H	ole " " " " " " " " " " " " " " " " " "	true : cond unde or ve appro	and correct ucted by nor my perso rifled in a noved by DE	t result of to ne, peformo onal superv manner EP.	ests ed islon,	



☐ White - Local Agency

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Applicati	on No	lfmoon A	cres TP 0) <u>.</u> 21	_ Munic	ipality Halfm	oon		_ County	Centre	
		□ F	erc. Rate	☐ Slope	Un 🔲	ipality Halfm % Depth to Water stabilized Fill	Bedrock	⊔ Fractu Idway П	res Other	Coorna C.	
SOILS D Soils Des	ESCRIP cription	TION: Comple	ted by: C	ory Warn	- u					6/2021	
Inc	hes					Desc	ription of I	iorizon	Date.		······································
0	TO <u>3</u>		10YR	2/1 Very Da	rk Grey;	Silt Loam;Gra	anular;Very	Friable			
3	TO <u>23</u>					oam;MOD SB			***		
23	TO <u>35</u>					ery Channery		SBK,Friab	le Bedrock	@ 35"	
	то									<u> </u>	
	то					.,,					
	—— ТО										
				······································							
PERCOLA Percolatior Weather C Soil Condit	n Test C ondition	omplete s: [Below 40	nathan T. D°F 2 40 Dry 🔲	Long				Date: <u>6/22/2</u> now (last 24	22	
Hole No.	Yes	No No	Reading Interval	Reading No. 1:	Reading No. 2:	No. 3:	Reading No. 4:	Reading No. 5;	Reading No. 6;	Reading No. 7	Reading No. 8:
1	X	-110	10/30	1 3/4	Inches of di	op Inches of drop	Inches of drop 7/8	Inches of drop 3/4	Inches of drop	Inches of drop	Iriches of drop
2	Х		10/30	1	1	3/4	7/8	3/4			
3	X		10/30	2 1/4	2 1/4	2	1 1/8	1	1/2	1 1/8	C IO
4	. X		10/30	1/4	1/4	1/4	1/4	•	112	1 1/6	5/8
5		X	10/30	3 1/2	2 7/8	2 1/4	2 1/4	2	1 3/4	1 3/4	1 1/2
6 Water remai	Ning in the	holo at t	10/30	3 1/8	2 5/8	2 5/8	2 1/2	2 3/8	2	40/4	1 5/8
(alculat	ion of I	ne end of th	e final 30-minu	ite presoak	? Yes, use 30-r	ninute interva	l; No, use 10	-minute interv	al.	
Hole No.	Drop	during	Per	Percolation c. Rate as	D	∍pth	The	information	ı provided i	n the	
1016 140.	3/4	period "	Mir 40	nutes/Inch	of 20	Hole "	true	and correc	t result of te	ests	
	7/8	ı,	34,3		20		cond	ucted by n	ne, peforme	ed	
	5/8	u	48		20		or ve	r my perso rified in a r	nal superv	ision,	
	1/4	tr	120		20			oved by DE		l	
	11/2	"	6.7		20		(0)	11 1	l		
	1 5/8	"	18.5		20	Min	(S)	Sewage Enfo	orcement Offic	ner	
TAL OF M	IIN / IN ·	→	267.5		= 44.8	Inch		-V-30 mil	or someth Office	JU1	
TAL NO, (6								

☐ Pink - Local DEP Office

☐ Yellow - Applicant



SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

3 2 1/4 " 13.3 20 " or verified in a manner approved/by DEP. 4 1/4 " 120 20 " Min Inch (S) Sewage Enforcement Officer 5 5/8 " 48 20 " Min Inch Sewage Enforcement Officer FOTAL OF MIN / IN → 222.1 = 37.02	Applicati	on No.		A		_ Municipa	ality <u>Halfmo</u>	oon		County (Centre	
Grant Gra	Site Loca	ation Hai	itmoon /	Acres II-	10-21	0		Subdivisi	on Name <u>N</u>	Maloney		
Perc. Rate Slope Unstabilitzed Fill Floodway Other		ABLE UŽADIE	Soll	Type	Slope	8 %	Depth to	Limiting Zo	one 36" DC	P Ave.	Perc. Rate	37.02
SOILS DESCRIPTION: Date: 10/26/2021	□ 01/120	III ABLE	ШΝ	nottiing (i Seeps or	r Ponded W	Vater ∐	Bedrock		res 🔲	Coarse Fr.	agments
Soils Description Completed by: Cory Warner Date: 10/26/2021	SOILS D	ESCRIP	TION			and the second second						
TO 3	Soils Des	cription	Comple	ted by: Co	ory Warne	er 			•	Date: <u>10/2</u> 6	6/2021	
3 TO 20 7.5YR 6/8 Reddish Yellow;Very Channery Loam;MOD SBK,Friable Bedrock @ 36" TO												
20 TO 36				10YR 2	2/1 Very Da	rk Grey;Sil	t Loam;Gra	nular;Very	Friable			
TO	3	TO 20		7.5YR	6/8 Reddisi	1 Yellow;Lo	am;Weak	SBK,Friabl	e			
TO TO TO TO TO TO TO TO	20	TO <u>36</u>		7.5YR	6/8 Reddish	Yellow;Ve	ery Channe	ery Loam;M	OD SBK,F	riable Bed	rock @ 36'	
PERCOLATION TEST: Percolation Test Completed by: Date: 6/22/22		то								_		
PERCOLATION TEST: Percolation Test Completed by: Donathan T. Long		TO										
PERCOLATION TEST: Percolation Test Completed by: Donathan T. Long									- · · · · · · · · · · · · · · · · · · ·			
PERCOLATION TEST:					ofference specific and the			······································				
Weather Conditions:	PERCOLA Percolation	TON TI	COT,			Laure						
No. 1												
Hole No.]Wet	Dry 🔲	Frozen		, mairdi	ili Oleet, Ol	10W (1851 24	+ Hours)	
Hole No. Yes No Interval Interval No. 1: No. 2: No. 3: No. 4: No. 5: No. 6: No. 6: No. 8:		1	***	Γ	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
1	Hale No.	Yes	No					No. 4:	No. 5:	No. 6:	No. 7	No 8
2	1	×						1	1	1		
3	2	X		10/30	2 3/4	3 1/2	2 1/4	2 7/8	 	 	 	1 0/0
5	3	X		10/30	3 3/8	2 7/8	2 1/2	2 3/8	2 3/8	2 1/4		
6 X 10/30 5/8 5/8 1/2 5/8 ***Water remaining in the hole at the end of the final 30-minute presoak? Yes, use 30-minute interval; No, use 10-minute interval. Calculation of Average Percolation Rate: Hole No. Drop during final period Minutes/inch 1 5/8 " 18.5 20 " The information provided is the true and correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by DEP 1 3 2 1/4 " 120 20 " The information provided is the true and correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by DEP 1 5 7/8 " 11.4 20 " Minutes/inch 11.4 September 11.	4	X		10/30	3/8	3/8	′ 1/8	1/4				
***Water remaining in the hole at the end of the final 30-minute presoak? Yes, use 30-minute interval; No, use 10-minute interval. Calculation of Average Percolation Rate: Drop during final period Minutes/inch of Hole 15/8 18.5 20	5		X	10/30	1 1/8	1	1	7/8	· · · · · · · · · · · · · · · · · · ·			
Calculation of Average Percolation Rate: Hole No.			- hala al									
Hole No. Drop during final period Hole No. 15/8 18.5 20							Yes, use 30-	minute Interv	al; No, use 10	-minute interv	ral.	
Hole No. final period 15/8 " 18.5 20 " true and correct result of tests conducted by me, peformed under my personal supervision, or verified in a manner approved by DEP 1 11.4 20 " Min Inch Sewage Enforcement Officer TOTAL OF MIN / IN → 222.1 = 37.02				•			ri .					
1 15/8 " 18.5 20 " TOTAL NO. OF HOLES→ 15/8 " 18.5 20 " True and correct result of tests conducted by me, peformed under my personal supervision, or verified in a manner approved/by DEP (S) Sewage Enforcement Officer	Hole No.											
2 2 3/4 " 10.9 20 " under my personal supervision, or verified in a manner approved by DEP; 5 7/8 " 11.4 20 " Min Inch TOTAL OF MIN / IN → 222.1 = 37.02 10.9 20 " Min Inch TOTAL NO. OF HOLES→ 6	1		-									
3 2 1/4 " 13.3 20 " or verified in a manner approved by DEP 4 1/4 " 120 20 " Min Inch (S) Sewage Enforcement Officer 5/8 " 48 20 " Min Inch Sewage Enforcement Officer TOTAL OF MIN / IN → 222.1 = 37.02	2	2 3/4	44	10,9		20	u					
5 7/8 " 11.4 20 " Min	3	2 1/4	ď	13.3		20	и	or ve	erified in a i	manner	,	
5/8	4	1/4	- н	120		20	u	appr	ovedby Di	^{EP} /		
5 5/8 48 20 Inch Sewage Enforcement Officer 37.02 FOTAL NO. OF HOLES→ 6	5	7/8	и	11.4	· · · · · · · · · · · · · · · · · · ·	20	_	(8)	11/2	1	•	
FOTAL NO. OF HOLES \rightarrow 6	6	5/8	u	48		20	0		Sewage Enf	orcement Offi	cer	
	TOTÅL OF 1	MIN / IN	\rightarrow	222.1		= 37.02		ļ				
	TOTAL NO.	OF HOL	.ES→	6								
☐ White - Local Agency ☐ Pink - Local DEP Office ☐ Yellow - Applicant	☐ White - L	ocal Age	SUCV			☐ Pink -	Local DEF	Office			Vallow A	nnligent



SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

Applicatio	n No tion Halfmoon BLE Soil			Municipa	ility Halfmo	on		County C	Centre	
Site Locat	tion <u>Halfmoon</u>	Acres TP	11-21			Subdivisio	n Name <u>M</u>	aloney		
SUITA	BLE Soil	Туре	Slope	12%	Depth to	Limiting Zo	ne <u>68"</u>	Ave.	Perc. Rate	170
☐ UNSU	HARLE []	Mottling (☐ Seeps or ☐ Slope	Ponded W	ater 🔲	Bedrock	☐ Fracture	es 🗌	Coarse Fra	agments
SOLS DE	SCRIPTION: cription Comple	****			e e a most división de la estación de las				es to come a test to the sec	
		eted by:	51 y 1v1. v v a		· 	****		Date: <u>12/1</u>	6/21	
Inch	res TO <u>3</u>	10YR 2	2/2 Very Da	rk Brown;S		iption of H anular;Ver				
	TO 38		4/3 Reddis				-			
38 -	TO <u>68</u>	7.5 YR	4/4 Brown;	Gravelly Sa	andy Loam	Mod. SBK	Firm Bed	drock @ 68	n	
 ,	го							**************************************		
•	ro									
<u> </u>	го	•			***					
PERCOLA'	TION TEST: Test Complet	ted by: Jor	nathan T.	Long			Γ	oate: 6/22/2	22	
Weather Condition	onditions: [Below 40	O°F 1 40	0°F or abov				now (last 24		
Unio Ne	***	Reading	Reading No. 1:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7	Reading No. 8:
Hole No.	Yes No	Interval	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop
2	X	10/30	1	1/2	1/2	1/2	1/2		·	ļ
3	X	10/30	1/8	1/8	1/8	1/4	112			
4	X	10/30	1/2	1/4	1/4	1/4				
· 5	X	10/30	1/8	1/8	1/8	1/8				
6	X	10/30	1/8	1/8	1/8	1/8				
***Water rema	Ining in the hole a	t the end of th	ne final 30-mini	ute presoak?	Yes, use 30-	minute Interva	al; No, use 10	-minute Inter	al.	L
(Calculation of	f Average I	Percolation	Rate:						
Hole No.	Drop durin final period	ď Mi	rc. Rate as nutes/Inch	Dej of H		true	and correct	n provided at result of t	ests	
1	1/2	<u>" 240</u> " 60		. <u>20</u> 20				ne, peform		
2	1/4	" 120		20	u		erified in a	onal superv manner	rision,	
3	1/4	" 120 " 120		20	"	,	oved,by D			
4	1/8	4 240		20		(0)	// //	\		
5	1/8	# 240		20	—— " Min	(S)_	Salvaga En	forcement Off	icer	
6 TOTAL OF 1	****	1020	······	470	" Inch		JUNAYO EII	or coment Off	1001	
TOTAL OF I			, 	= 170						
TOTAL NO.	OF HOLES→	6								
☐ White - L	.ocal Agency			☐ Pink	- Local DEI	P Office			Yellow - A	pplicant



SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

Application No Municipality Site Location Halfmoon Acres TP 12-21						ality Halfmo	on		County C	<u>Centre</u>		
Site Locat	tion <u>Hal</u>	fmoon /	Acres TP	12-21	Subdivision Name Maloney e 11.5 % Depth to Limiting Zone 38" Ave. Perc. Rate 133.33							
SUITA	BLE	Soil 7	Гуре	Slope	11.5 %	Depth to	Limiting Zo	ne <u>38"</u>	Ave.	Perc. Rate	133.33	
[] ONSU	II ABLE		ottling (☐ Seeps or	Ponded W	/ater	Bedrock	∐ Fractur	es []	Coarse Fra	agments	
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	en e					ioilizea Fili		•	other			
SOILS DE	SCRIPT	'ION: Complet	ed by. Co	ory M. Wa	rner				20to: 12/1	6/21		
Inch		ompice	ou by		.,		ption of H		Jale <u> </u>	V/A ,		
	юз то <u>з </u>		10YR :	2/2 Very Da	rk Brown:S		-					
3 .				4/4 Reddis				y . 11ab/o				
				4/6 Strong				irm: Rec	lox @ 38 "			
							· · · · · · · · · · · · · · · · · · ·					
	TO 80 5 YR 4/4 Reddish Brown; Very Gravelly Sandy Loam; Mod SBK; Firm											
7	ro		**************************************									
7	го		Fragipa	n Delvelope	ed @ 42"							
PERCOLA [*]				ta primer distribution for encountries of the							2344 - 1914 - 1914 - 1914 - 1914 - 1914 - 1914 - 1914 - 1914 - 1914 - 1914 - 1914 - 1914 - 1914 - 1914 - 1914	
Percolation	Test Co	omplete	d by: Jor	nathan T.	Long			D	ate: 6/22/2	22		
Weather Co	onditions	s: 🗌	Below 40)°F 💹 4()°F or abov	re Dry	Rai	n, Sleet, Sr	ow (last 24	4 hours)		
Soil Conditi	ions:		Wet 5	Dry 🗌	Frozen					•		
	T	**		Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	
Hole No.	Yes	No	Reading Interval	No. 1: Inches of drop	No. 2: Inches of drop	No. 3: Inches of drop	No. 4: Inches of drop	No. 5: Inches of drop	No. 6: Inches of drop	No. 7 Inches of drap	No. 8:	
1	X		10/30	1/4	1/4	1/8	1/4					
2	X		10/30	1/2	1/4	1/4	1/4					
3	X		10/30	5/8	3/8	1/2	3/8					
4	X		10/30	1/4	1/8	1/8	1/8					
<u>5</u> 6	X		10/30 10/30	1/4 3/8	1/8 1/8	1/8 1/4	1/4		*************************************			
	ــــــــــــــــــــــــــــــــــــــ	hole at t		e final 30-minu		L		il: No. use 10	-minute interv	Ll		
				Percolation		, 55, 455 55 1	Till Med Till Till	, ,,0, 000 10	Timidto intart	rar,		
		during	_	c. Rate as	Der	ath	The	!		 		
Hole No.		period		outes/Inch	of H			information and correct				
	1/4		120		20	H H	cond	lucted by n	ne, peform	ed		
<u></u>	1/4		120		20			er my perso		/ision,		
3	3/8	п	80		20	tl		erified in a i oved,∯y Di		1		
	1/8		240		20		-6-		- /			
	1/4	ши	120		20	" Min	(S)_	J. W		·		
	1/4		120		20	" Inch	L	Sewage Enr	orcement Off	icer		
OTAL OF N			800		= 133.	<u> </u>						
OTAL NO.	OF HOL	.ES→	6									
] White - L	ocal Ace	ancv			☐ Pink	- Local DEG	2 Office			Vallow A	policent	
vvnite - L	ocal Age	ency			∐ Pink	- Local DEF	Office			Yellow - A	pplicant	



SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

Application	Application No					lity <u>Halfmoo</u>	on		County Centre			
Site Locati	on <u>Halfr</u>	noon Acr	es 4-22 So	uth side			Subdivisio	n Name				
SUITAE	BLE	Soil T	ype	Slope	7%	Depth to I	-imiting Zoi	ne <u>51</u>	Ave.	Perc. Rate	31,26	
∐ UNSUI	TABLE			Seeps or								
		∐ Pe	rc. Rate	☐ Slope	Unstal	bilized Fill	☐ Flood	lway 🔲 🤇	Other			
SOILS DES	SCRIPT ription C	ION: Complete	ed by: _Co	ory M. Wa	rner				Date: 10/26	/22	at Various Control of the State	
Inch		•	•				ption of H			*		
<u>0</u> 7			10 YR	3/4 Dark Yell	owish Brow		•		Э			
8 7			10 YR	5/8 Yellowisi	h Brown; Sil	ty Clay Loa	m; Moderat	e SBK; Frim	1			
<u>43</u> T	O 51		10 YR 8	8/4 Very Pale	Brown; Gra	avely Silt; W	/eak SBK; F	riable				
	·o											
т	·o									***************************************	-	
	·		** ***	**************************************			· · · · · · · · · · · · · · · · · · ·					
	<u> </u>		•			A CONTRACTOR OF THE PROPERTY O						
PERCOLAT Percolation	TION TE	EST: omplete	d bv: Jor	nathan T. I	Long			ח	ate: 10/28/	22		
Weather Co	onditions	s: 🔳	Below 40)°F 🗌 40)°F or abov	e 🔳 Dry	∕	· ·	now (last 24			
Soil Condition	ons:		Wet 🔳	Dry 🗆	Frozen				•	ŕ		
	T	***		Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	
Hole No.	Yes	No	Reading Interval	No. 1: Inches of drop	No. 2: Inches of drop	No. 3: Inches of drop	No. 4:	No. 5: Inches of drop	No. 6: Inches of drop	No. 7	No. 8:	
1	Х		10/30	3 1/4	3 1/4	3 1/4	3 1/8		, , , , , , , , , , , , , , , , , , ,		monds of Grop	
2	X		10/30	3 7/8	3 5/8	3 3/4	3 3/4					
3	Х		10/30	2 5/8	2 1/4	2 1/4	2 1/4	2 1/4				
4	Х		10/30	2 1/2	2 3/8	2 5/8	2 3/4	2 7/8	2 7/8			
5	Х		10/30	1/4	1/4	1/4	1/4					
6	Х		10/30	1 3/8	1 1/4	1 1/4	1 1/8					
***Water remai						Yes, use 30-	minute interva	al; No, use 10	-minute interv	al.		
(Calculat	tion of A	Average I	Percolation	Rate:							
Linia Nia		during		rc. Rate as	Dep		The	information	n provided	is the		
Hole No. 1	tina: 3 1/8	ı period "	IVII 9.6	nutes/Inch	of H 20	lole "			t result of t	1		
	3 3/4				20				ne, peform			
2	2 1/4					"		er my perso erified in a i	onal superv	ision,		
3	3		•		. 20			oved by Di				
4	1/4				20			ali	-			
5	1 1/8		120 26.7		20 20	" Min	(S)_	Shinas Ent	forcement Off			
3 TOTAL OF A	*		187.			" 		Sewage Em	iorcement On	icer		
TOTAL OF N			6		≥ 31.2							
TOTAL NO.	OF HO	にらう										
☐ White - L	ocal Ag	ency			☐ Pink	- Local DEI	P Office			Yellow - A	pplicant	



SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

Applicati	on No				Municipality Halfmoon County Centry Subdivision Name e% Depth to Limiting Zone 22 Ave. Percentage Ave.						
Site Loca	ation <u>Halfn</u>	noon Acr	es 1-22 So	uth side			Subdivisio	n Name _			
<u> </u>	ABLE	SOIL	ype	Slope	%	Depth to	Limiting Zo	ne <u>22</u>	Ave.	Perc. Rate	
■ ONO	JIIADLE		otuing t erc Rete	☐ Seeps or ☐ Slope	Ponded VV	/ater	Bedrock	∐ Fractur	es 📙	Coarse Fra	agments
		regional Contragality.	no. mate	□ olobe		willzed i ili	□ 1,000	away [Other		
SOILS D	ESCRIPT scription C	ION: Complet	ed by: _Co	ory M. Wa	rner			ı	Date: 10/26	3/22	
	hes		,				iption of H				
0	TO 8		10 YR	3/4 Dark Yell	lowish Brow		•		е		
8	TO 22		10 YR	3/4 Dark Ye	llowish Brov	wn; Very Gr	avelly Silt Lo	oam; Granu	lar; Frlable		
22	TO <u>57</u>		10 YR	5/8 Yellowish	Brown; Sil	ty Clay Loai	m; Mod SBł	ς; Friable R	Redox @ 22'	ie .	
	то										
	TO		**************************************								
	то		Con	firmation Pit	had L.Z. of	15" due to r	edox				
	10	-50,000000				10 000 101	OGON				
PERCOL/			d by:					-	N-4		
Weather	Conditions	· L	u by Relow 40	0°F)°E or abou	/a □ Dn	, \square Pai	n Sloot Sr	Date: now (last 24	1 hours	
Soil Cond			Wet [Dry _	Frozen	, с Ц Б.,	Птаг	11, 01001, 01	1044 (1831 2-	+ Hours)	
	•	**		Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
Hole No.	Yes	No	Reading Interval	No. 1: Inches of drop	No. 2: Inches of drop	No. 3: Inches of drop	No. 4: Inches of drop	No. 5: Inches of drop	No. 6: Inches of drop	No. 7 Inches of drop	No. 8: Inches of drop
1			10/30								
2			10/30								
3			10/30								
4			10/30								
5			10/30								
6			10/30						<u> </u>	<u></u>	
***Water rem				ne final 30-minu		Yes, use 30-	minute interva	al; No, use 10)-minute interv	/al.	
	_			Percolation		.1					
Hole No.		during		rc. Rate as nutes/Inch	De _l	pth łolo	I		n provided		
1	miai	period	1711	i iu testii ioi i	OI I	"	1		ct result of t		
2		"							ne, peform onal super\		
<u>2 </u>								erified in a		1131011	
							appı	oved/þy D	EŖ.		
<u>4</u>		u					(0)	//			
<u>5</u> 6	-					Min	.	Sewage En	forcement Off	icer	
TOTAL OF	MIN / IN		<u> </u>			Inch		1/ -			
TOTAL NO				· · · · · · · · · · · · · · · · · · ·	-						
,	.,	7	•								
☐ White -	Local Age	ency			☐ Pink	- Local DE	P Office			Yellow - A	\pplicant



SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

Application	ation Noocation NoSlope					lity Halfmo	on	County Centre			
Site Location	on <u>Halfm</u>	oon Acr	es 2-22 So	uth side			Subdivisio	n Name			
SUITAB	LE	Soil T	уре	Slope	%	Depth to I	Limiting Zo	ne <u>15</u>	Ave.	Perc. Rate	
UNSUIT	ABLE	<u>■</u> Mo	ottling [☐ Seeps or ☐ Slope	Ponded W	'ater 🔲 l	Bedrock	☐ Fracture	es 🗌	Coarse Fra	agments
SOILS DES Soils Descr	CRIPTI	ON: omplete	ed by: Co	ory M. Wa	rner				Date: 10/26	6/22	
Inche	s						ption of H		-		
<u>0</u> т	o <u>4</u>	Patricipa de	10 YR	4/3 Brown; S	ilt Loam; Gr	ranular; Ver	y Friable				
	O <u>15</u>	ndrawet where	10 YR	5/6 Yellowisi	h Brown; Si	lty Clay; Mo	derate SBK	; Firm			
15 T	O <u>32</u>		7.5 YR	4/4 Brown; S	Silty Clay; W	/eak SBK; F	riable; Re	dox @15"			
T	0										
To	o					·					
To	o			······		****					
PERCOLAT Percolation Weather Co Soil Condition	Test Cor nditions:	mpleted	Below 40)°F)°F or abov	re 🗌 Dry	∕ ∏ Raiı	n, Sleet, Sr	ate: now (last 24		
	**	*	Reading	Reading No. 1:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading	Reading	Reading
Hole No.	Yes	No	Interval	Inches of drop	Inches of drop		Inches of drop		No. 6: Inches of drop	No. 7 Inches of drop	No. 8: Inches of dro
1			10/30								
2			10/30								
3		-	10/30								
5			10/30						440		
6			10/30								<u> </u>
	ing in the	hole at t		e final 30-minu	ute presoak?	Yes, use 30-	minute interva	ai; No, use 10	-minute interv	/al.	Ĺ
				Percolation							
		during period "" ""		rc. Rate as nutes/Inch	Dep of H	ole " " "	true cond unde or ve appr	information and correct ducted by mer my person erified in a coved/by DI	it result of t ne, peform onal superv manner	ests ed	
					-	—— " <u>Min</u>		Sewage Ent	forcement Off	icer	
OTAL OF M	- NI / NII				=	Inch					
OTAL NO. (OF HOLE	ES→									
] White - Lo	ocal Age	ncy			☐ Pink	- Local DEI	P Office			Yellow - A	pplicant



			_
DEP	Code #:		
		•	1

SEWAGE FACILITIES PLANNING MODULE COMPONENT 4A - MUNICIPAL PLANNING AGENCY REVIEW

Note to Project Sponsor: To expedite the review of your proposal, one copy of your completed planning module package and one copy of this Planning Agency Review Component should be sent to the local municipal planning agency for their comments. PROJECT NAME (See Section A of instructions) SECTION A. Project Name REVIEW SCHEDULE (See Section B of instructions) SECTION B. 1. Date plan received by municipal planning agency _ 2. Date review completed by agency AGENCY REVIEW (See Section C of instructions) SECTION C. No Yes Is there a municipal comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101, et seq.)? Is this proposal consistent with the comprehensive plan for land use? If no, describe the inconsistencies Is this proposal consistent with the use, development, and protection of water resources? If no, describe the inconsistencies Is this proposal consistent with municipal land use planning relative to Prime Agricultural Land Preservation? Does this project propose encroachments, obstructions, or dams that will affect wetlands? If ves, describe impacts Will any known historical or archaeological resources be impacted by this project? If yes, describe impacts Will any known endangered or threatened species of plant or animal be impacted by this project? If yes, describe impacts Is there a municipal zoning ordinance? Is this proposal consistent with the ordinance? If no, describe the inconsistencies 10. Does the proposal require a change or variance to an existing comprehensive plan or zoning ordinance? 11. Have all applicable zoning approvals been obtained? Will be prior to recold a hor 12. Is there a municipal subdivision and land development ordinance?

SECTION C., AGENCY REVIEW (continued)
Yes No
13. Is this proposal consistent with the ordinance?
If no, describe the inconsistencies
14. Is this plan consistent with the municipal Official Sewage Facilities Plan?
If no, describe the inconsistencies
15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?
If yes, describe
16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?
☐ ☐ If yes, is the proposed waiver consistent with applicable ordinances?
If no, describe the inconsistencies
17. Name, title and signature of planning agency staff member completing this section:
Name: Maric Boeckel Title: Principal Planer
Signature:
Date: 12/19/2022
Name of Municipal Planning Agency: Cartie Revision Planning Agency Address 7643 (aate van Dr. Stit College, Dr. 1680) Telephone Number: 8144 231 -3050
SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)
This component does not limit municipal planning agencies from making additional comments concerning the relevancy of the proposed plan to other plans or ordinances. If additional comments are needed, attach additional sheets.
he planning agency must complete this component within 60 days.
his component and any additional comments are to be returned to the applicant.

CRPA Centre Regional Planning Agency

2643 Gateway Drive, Suite #4 • State College, PA 16801 • Phone (814) 231-3050 • www.crcog.net

Date: December 19, 2022

To: Halfmoon Township Board of Supervisors

From: Mark Boeckel, AICP, Principal Planner

RE: Half Moon Acres Replot Component 2 Planning Module - Component 4A

Supplemental Comment

The Centre Regional Planning Agency (CRPA) received the proposed Component 2 Planning Module for the Half Moon Acres Replot on November 23, 2022. Staff completed the municipal planning agency review of the module, known as Component 4A. In addition to a completed Component 4A form, the CRPA provides the following supplemental comment:

2. Is this proposal consistent with the comprehensive plan for land use?

The 2013 Centre Regional Comprehensive Plan identifies the future land use for these properties as Forest, Residential, and Mixed Use. The portion of the property on the northwest side of SR 550 is identified as a mixture of Residential and Forest, while the properties on the southeast side of SR 550 are all identified as Mixed Use. Mixed Use is defined within the plan as a mix of urban uses such as Commercial/Office, Industrial/Office, Residential, or Public/Institutional uses. Local zoning regulations supersede Comprehensive Plan designations, and the uses proposed by this plan (Agricultural with an accessory residential dwelling) are permitted within the district.

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			·		
		·			



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DEP Code #:	- 1	:	
	i		

SEWAGE FACILITIES PLANNING MODULE COMPONENT 4B - COUNTY PLANNING AGENCY REVIEW

(or Planning Agency with Areawide Jurisdiction)

TailVieta kastet	
one copy of this P	ponsor: To expedite the review of your proposal, one copy of your completed planning package and <i>lanning Agency Review Component</i> should be sent to the county planning agency or planning agency diction for their comments.
SECTION A. PI	ROJECT NAME (See Section A of instructions)
Project Name	
HALFMOON	ACRES REPLOT OF PARCELS 17-2-4 AND 17-2-4A
SECTION B. RE	EVIEW SCHEDULE (See Section B of instructions)
1. Date plan re	ceived by county planning agency 12 1 20 a 2
2. Date plan re	ceived by planning agency with areawide jurisdiction <u>II ຢີວ່າວລ</u>
" Agency nam	e CENTRE REGIONAL PLANNING AGENCY
3. Date review	completed by agency 13 5 3033
SECTION C. AC	GENCY REVIEW (See Section C of instructions)
Yes No	
⊠ □ 1.	Is there a county or areawide comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101 et seq.)? CENTRE REGION COMPREHENSIVE PLAN 3013
□ 3 2.	Is this proposal consistent with the comprehensive plan for land use? However, Joed zoning supersides tamp plan and proposed uses are permitted. Does this proposal meet the goals and objectives of the plan?
The spiritual state of the stat	If no, describe goals and objectives that are not met
4.	Is this proposal consistent with the use, development, and protection of water resources?
and the second	If no, describe inconsistency
№	Is this proposal consistent with the county or areawide comprehensive land use planning relative to Prime Agricultural Land Preservation?
e gradin talendaria. Na status Archael and a	If no, describe inconsistencies:
x 6.	Does this project propose encroachments, obstructions, or dams that will affect wetlands?
Autor /	If yes, describe impact
7.	Will any known historical or archeological resources be impacted by this project?
A STATE OF THE STA	If yes, describe impacts
8.	Will any known endangered or threatened species of plant or animal be impacted by the development project?
	If yes, describe impacts
□ ≥ 9.	Is there a county or areawide zoning ordinance?
	Does this proposal meet the zoning requirements of the ordinance?
NA	If no, describe inconsistencies
and the second second	

and the second s

• •

SECTION C. AC	BENCY REVIEW (continued)			
Yes No				
□"/A □ 11.	Have all applicable zoning approvals been obtained?			
⊠ □ 12.	Is there a county or areawide subdivision and land development ordinance? Local ORDINANCE 80 PERLEDES COUNTY			
□NA □ 13.	Does this proposal meet the requirements of the ordinance?			
	If no, describe which requirements are not met			
№ 14.	Is this proposal consistent with the municipal Official Sewage Facilities Plan?			
	If no, describe inconsistency			
☐ ※ 15.	Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?			
	If yes, describe			
☐ ※ 16.	Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?			
	If yes, is the proposed waiver consistent with applicable ordinances.			
AlA	If no, describe the inconsistencies			
17.	Does the county have a stormwater management plan as required by the Stormwater Management Act? There is a Spring Creek watershed Plan			
	If yes, will this project plan require the implementation of storm water management measures?			
18.	Name, Title and signature of person completing this section:			
	Name: LESLIE WARRINER			
	Title: SENDE DI ANNER			
e approximation of the con- contract of the con-	Signature:			
	Date: 12 19 2022			
	Name of County or Areawide Planning Agency: CENTRE REGIONAL PLANNING			
	Address: 2643 GATEWAY DRIVE, STATE COLLEGE PA 16861			
and the second second	Telephone Number: 814 - 231 - 3650			
SECTION D. AL	DITIONAL COMMENTS (See Section D of instructions)			
This component does not limit county planning agencies from making additional comments concerning the relevancy of the proposed plan to other plans or ordinances. If additional comments are needed, attach additional sheets.				
The county planning	g agency must complete this component within 60 days.			
This component ar	d any additional comments are to be returned to the applicant.			

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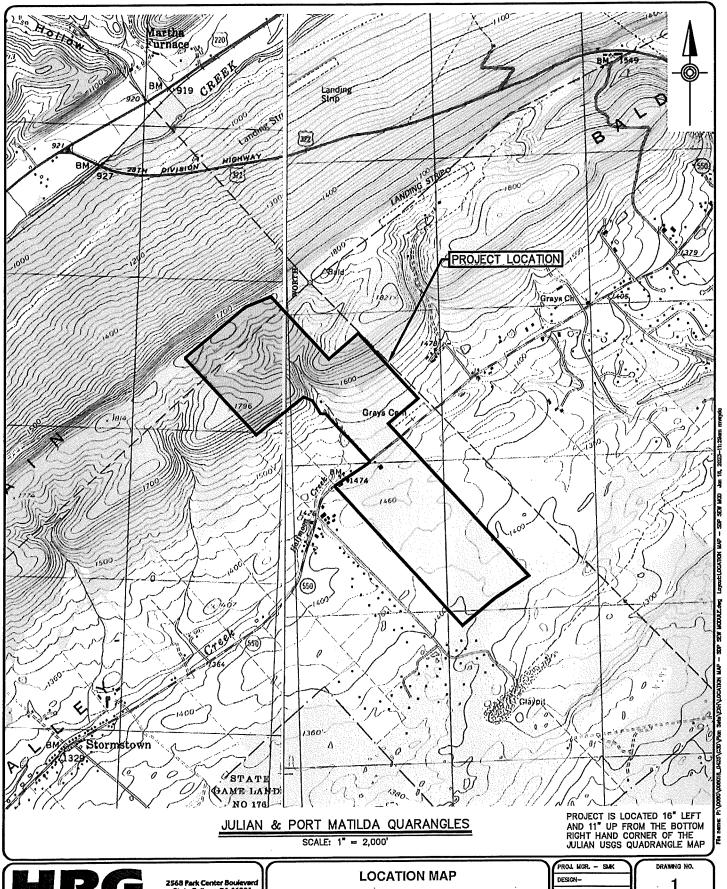
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Harris Art Committee Committee Committee

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Herbert, Rowland & Grubic, Inc. Engineering & Related Services AN EMPLOYEE-OWNED COMPANY

2568 Park Center Boulevan State College, PA 16801 State College, PA 16801 (814) 238-7117

Email - hrg@hrg-inc.com www.hrg-inc.com

LOCATION MAP FOR HALFMOON ACRES

PENNSYLVANIA HALFMOON TOWNSHIP CENTRE COUNTY

PROJ. MGR SMK	DRAWING NO.
DESIGN-	1
CADD MRV	•
CHECKED-	SHEET NO.
SCALE- 1" = 2000"	1 % 1
DATE- 2023.01.16	PROJECT 5015.0425

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