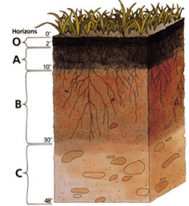


Soil and Environmental
Consulting Services, Inc.



Wednesday, April 29, 2026

Franklin WPCLF

Re: Soil investigation for on-site septic disposal for 2710 McCutcheon Road, City of Columbus, Mifflin Township, Franklin County, Ohio.

Enclosed you will find the requested detailed soil description disposal for 2710 McCutcheon Road, City of Columbus, Mifflin Township, Franklin County, Ohio.

The soils of the selected sites were mapped and described on the enclosed sheets for your records. The locations of the soil borings have been located using GPS and the locations have been delineated on the enclosed map. Copies of this letter, soil boring descriptions, sketch, and system drawing should be submitted to local health department. The health department will make the determination if the soil and site area is suitable for onsite sewage treatment.

Please protect all areas approved for septic disposal by having the contractor stake and rope off the proposed locations prior to driveway and basement excavation. No soil, building, or waste material should be stored on the proposed absorption areas. Disturbance to the areas may result in compaction and the subsequent failure of the system. Any disturbance to the 504 absorption area voids the results of this analysis.

If you have any questions or want to move forward with the septic design process feel free to contact us.

A handwritten signature in black ink, appearing to read 'Steven Miller'.

Steven Miller, CPS

GENERAL NOTES – NPDES ATU

1. ALL INSTALLATION AND CONSTRUCTION TECHNIQUES SHALL CONFORM TO OHIO ADMINISTRATIVE CODE 3701-29 PERTAINING TO ONSITE SEWAGE SYSTEMS AND THE PERMIT FOR THIS SITE. THIS DESIGN COMPLIES WITH OAC 3701-29 AND LOCAL HEALTH BOARD CODE AND HAS BEEN REVIEWED BY THE LHD TO MEET ALL STANDARDS. NO GUARANTEES OR IMPLIED WARRANTIES.
2. THE INSTALLATION OF THIS SYSTEM SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND PROCEDURES AS SUPPLIED BY THE MANUFACTURER OF THE EQUIPMENT.
3. ALL PVC PIPE AND FITTINGS SHALL BE PVC SCH. 40 TYPE 1 RATED FOR PRESSURE APPLICATIONS BETWEEN HOUSE AND TANKS.
4. THE BUILDING SEWER SHALL BE 4" SCH. 40 WITH A MINIMUM SLOPE OF $\frac{1}{4}$ " PER FOOT. THERE SHALL BE NO BENDS GREATER THAN 45 DEGREES. CLEANOUTS SHOULD BE PROVIDED EVERY 100 FEET. FOR CONSTRUCTION TECHNIQUES AND GUIDANCE REFER TO OAC 3701-29 AND THE OHIO DEPARTMENT OF HEALTH WEBSITE.
5. THE CONTRACTOR SHALL BE LICENSED WITH THE LOCAL HEALTH DEPARTMENT TO INSTALL THIS TYPE OF SYSTEM. THE CONTRACTOR SHALL HOLD A PRE-CONSTRUCTION MEETING WITH THE INDIVIDUALS RESPONSIBLE FOR SOIL EVALUATIONS, SYSTEM DESIGN, PERMITTING, AND INSPECTIONS PRIOR TO SITE WORK BEGINNING TO ENSURE PROTECTION OF SOIL CONDITIONS AND TO ENSURE THE SYSTEM IS INSTALLED ACCORDING TO DESIGN.
6. NEVER ENTER A TANK. ANY WORK TO REPLACE PUMPS, SWITCHES, OR CONNECTIONS SHOULD BE MADE FROM THE OUTSIDE. THE SEWAGE GASES PRODUCED IN THE TANK CAN KILL A PERSON IN MINUTES.
7. DO NOT PLANT TREES, SHRUBS, OR ANY PLANTS WITH AN EXTENSIVE ROOT SYSTEM NEAR THE TANK AND SEWER LINES. IT IS RECOMMENDED THAT ALL TREES AND SHRUBS SHALL BE CLEARED AT LEAST 10' AWAY FROM THE TANK AND SEWER LINES. IF TREES ARE NOT REMOVED HOMEOWNER ACCEPTS THE RISK ASSOCIATED WITH ROOTS. SOME TREE SPECIES ARE MORE AGGRESSIVE AT SEEKING WATER THAN OTHERS. RESEARCH TREE SPECIES PRIOR TO PLANTING NEAR SYSTEM OR IF EXISTING TREES ARE NEAR BY.
8. PRETREATMENT COMPONENTS AND/OR FULL TREATMENT TRAIN SHALL INCLUDE A FAILSAFE MECHANISM THAT PROVIDES AN AUDIBLE AND VISUAL ALARM IN THE EVENT OF A COMPONENT MALFUNCTION AND ONE OF THE FOLLOWING MECHANISMS, (A) AN INTEGRATED PUMP LOCKOUT THAT PREVENTS THE DISCHARGE OR FORWARD FLOW OF EFFLUENT THAT DOES NOT MEET THE EFFLUENT QUALITY STANDARDS SET FORTH IN AN NPDES PERMIT. PUMP TANKS WITH INTEGRATED PUMP LOCK-OUT FEATURES DESIGNED TO PREVENT DISCHARGE OF EFFLUENT ARE EXEMPT FROM THE REQUIREMENTS OF OAC 3701-29-12 (002), OR (B) A REMOTE TELEMETRY DEVICE TO AUTOMATICALLY NOTIFY THE SERVICE PROVIDER AND IF REQUIRED, THE BOARD OF HEALTH, IN THE EVENT OF A SYSTEM ALARM EVENT OR SYSTEM MALFUNCTION.
9. A SAMPLING PORT MUST BE INSTALLED.
10. HOMEOWNER IS AWARE OF SYSTEM INSTALLATION AND OPERATION COSTS AND OF OTHER SEWAGE TREATMENT SYSTEM OPTIONS.
11. SEE OHIO DEPARTMENT OF HEALTH AND AERATOR WEBSITE FOR OPERATION AND MAINTENANCE INFORMATION.
12. CONTACT THE DESIGNER FOR QUESTIONS OR CLARIFICATIONS. SITE VISITED ON 4/27/2026

MATERIAL LIST

- | | | |
|----|--|----------|
| 1. | 4" Sch 40 PVC | 90 feet |
| 2. | Clean Out | 1 each |
| 3. | Norweco Green 960 AT 500 gpd with WIFI Fail safe | 1 each |
| 4. | Post Aeration Basin w/ UV Light | 1 each |
| 5. | Sample Port | 1 each |
| 6. | Animal Guard | 1 each |
| 7. | Electrical Supply Materials | 120 feet |

SHEET 1 COVER SHEET & NOTES
SHEET 2 HYDRAULIC PROFILE
SHEET 3 SITE LAYOUT

Notice to Landowner and Contractor - Call Before You Dig
It is the landowners and contractors responsibility to contact the Ohio
Utilities Protection Service 48 hours prior to construction. All utilities shall
be clearly marked and identified prior to any construction activities.
Call Oups at 1-800-362-2764.

TITLE:

COVER PAGE & NOTES

Residence
2710 McCutcheon Road
City of Columbus, Franklin County, Ohio

Drawn By:
Soil & Environmental
Consulting Services,
Inc.

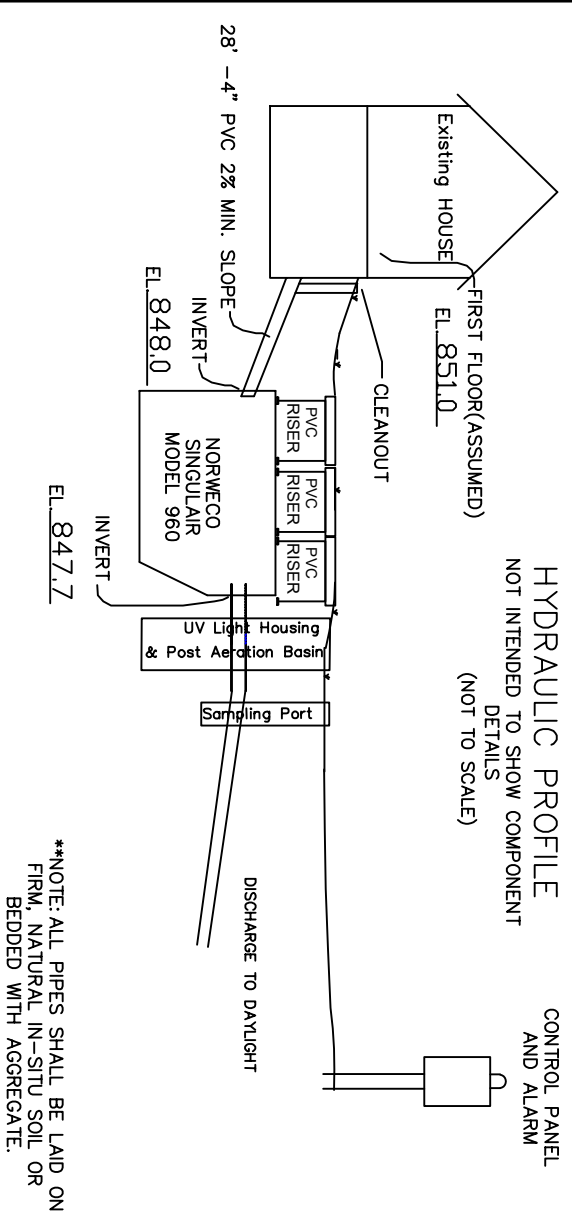
DATE: 05/01/2026

SCALE: None

FILE: 26D401

PO Box 1121
Bloomington, OH 43015
614-578-1164

SHEET 1 OF 3



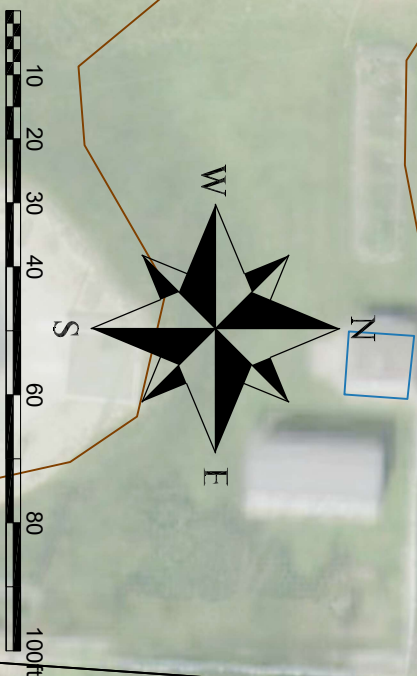
****IMPORTANT TANK NOTES**

THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR PROVIDING WATERPROOF TANKS. BOTH THE AERATION TANK AND THE DOSING TANK SHALL BE FITTED WITH FLEXIBLE BOOTS ON THE INLETS AND OUTLETS. TANK OPENINGS ARE TO HAVE ADAPTER RINGS CAST IN THE TOP TO ACCEPT PVC RISERS. TANKS SHALL BE WATER TESTED FOR LEAKS IF REQUIRED BY THE COUNTY HEALTH DEPARTMENT. A BACK FLOW PREVENTER VALVE SHALL BE INSTALLED ON THE OUTLET OF THE PUMP TANK TO PREVENT BACK FLOW DURING NATURAL HIGH WATER EVENTS.

3 BEDROOM HOUSE – 360 GALLONS PER DAY TREATMENT MINIMUM

TITLE: HYDRAULIC PROFILE	
Residence 2710 McCutcheon Road City of Columbus, Franklin County, Ohio	
DR. BY: SAM	Drawn By: Soil & Environmental Consulting Services, Inc. PO Box 1121 Delaware OH 43015 614-579-1164
DATE: 05/01/2026	
SCALE: None	
FILE: 26D201	

SHEET 2 OF 3



Driveway and utility locations are not to run over proposed septic areas unless alternate septic areas are approved by the Health Department

Caution: Underground utilities may exist on site. Locations must be determined prior to excavation.

Water supply: WELL

Property lines, contours, and existing improvement locations are derived from County GIS data, LIDAR, and/or aerial photos.

~~Clean-Du~~
Top of Existing Tank
849.1 = Benchmark

 Singular Model TNT 500 GPD

Post Aeration Basin with UV Light Housing

STH

3

All components of sewage treatment system (STS) must have a 10' minimum offset from any hardscape or property line and 50' offset from any water source or impoundment

OUTLET TO
DISCHARGE TO
DAYLIGHT WITH
ANIMAL GUARD IN 10
FEET OF SOLID
RIGID PIPE.

Existing Concrete Sample Port

Storm Sewer Basin

Storm Sewer Basin

SST/MD/INT/PP

TITLE:

ATU to DISCHARGE

Site Layout

2710 McCutcheon Road
City of Columbus, Franklin County, Ohio

~~DR. BY: SAM~~

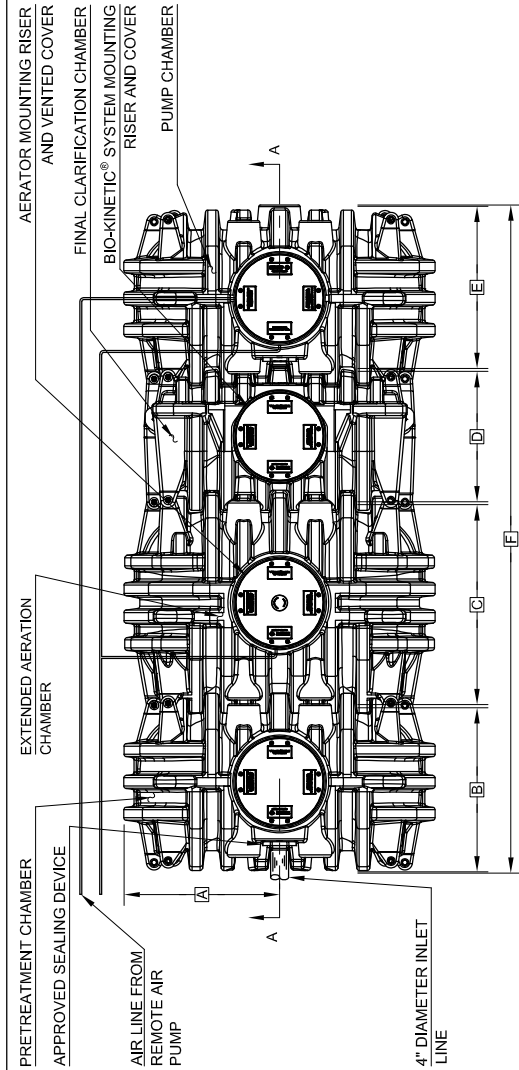
DATE: 05/01/2026

~~SCALE:~~ NTS

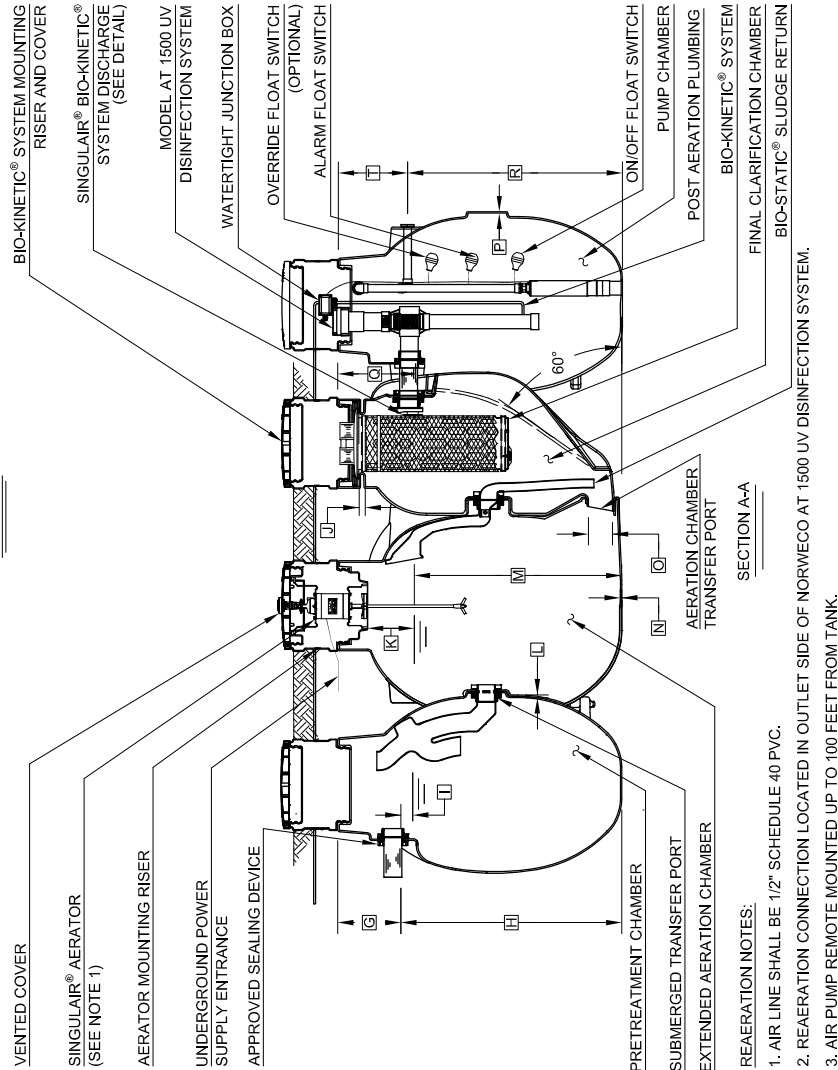
SHEET 3 OF 3

FILE: 26D201

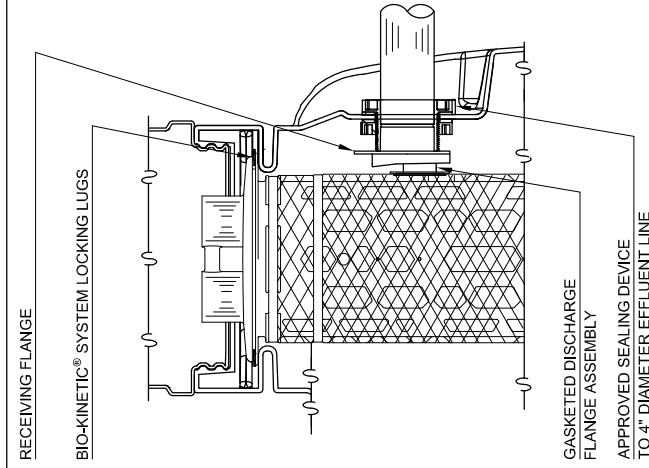
Drawn
By:
**Soil & Environmental
Consulting Services,
Inc.**
PO Box 1121
Delaware OH 43015
614-579-1164



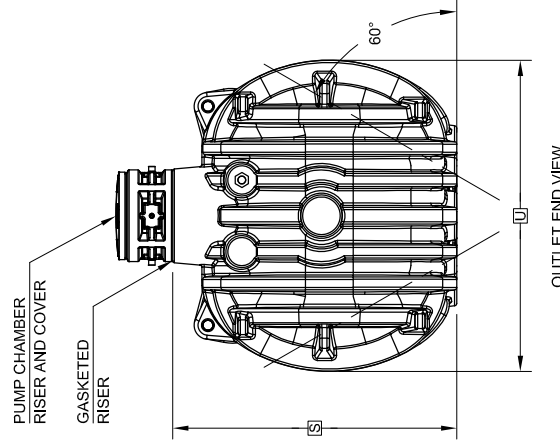
PLAN VIEW



REAERATION NOTES:
1. AIR LINE SHALL BE 1/2" SCHEDULE 40 PVC.
2. REAERATION CONNECTION LOCATED IN OUTLET SIDE OF NORWECO AT 1500 UV DISINFECTION SYSTEM.
3. AIR PUMP REMOTE MOUNTED UP TO 100 FEET FROM TANK.



BIO-KINETIC SYSTEM DISCHARGE DETAIL



OUTLET END VIEW

NOTE: TOTAL SYSTEM CAPACITY: 1,750 GALLONS
TREATMENT SYSTEM CAPACITY: 1,300 GALLONS
PUMP CHAMBER CAPACITY BELOW INLET: 450 GALLONS
PUMP CHAMBER TOTAL CAPACITY: 520 GALLONS
RATED CAPACITY: 500/600 GALLONS PER DAY

- GENERAL NOTES:
- 1 SINGULAR® AERATOR, AS TESTED AND ACCEPTED BY NSF.
 - 2 FALL THROUGH SINGULAR® PLANT FROM INLET INVERT TO OUTLET INVERT IS FOUR INCHES. INLET INVERT IS 16 INCHES BELOW THE RISER MOUNTING SURFACE
 - 3 ON DEEPER INSTALLATIONS, RISERS MUST BE USED TO EXTEND AERATOR MOUNTING RISER AND BIO-KINETIC® SYSTEM MOUNTING RISER TO GRADE. INSPECTION COVER ON PRETREATMENT CHAMBER MUST BE DEVELOPED TO WITHIN TWELVE INCHES OF GRADE.
 - 4 REMOVABLE COVERS ON RISERS ARE EACH SECURED TO PREVENT UNAUTHORIZED ACCESS.
 - 5 SERVICE PRO® CONTROL CENTER SHALL MONITOR UV AND RE-AERATION AND SHALL PROVIDE TELEMETRY OR PUMP LOCKOUT.

CONTACT THE LOCAL, LICENSED SINGULAR® DISTRIBUTOR FOR ELECTRICAL REQUIREMENTS.

PROJECT ENGINEER'S APPROVAL:
I (WE) HEREBY CERTIFY THAT THIS DRAWING HAS BEEN CHECKED AND IS APPROVED FOR USE IN CONFORMITY WITH THE CONTRACT DOCUMENTS.

DATE: _____

NAME: _____

CONTRACTOR'S CERTIFICATION:
I (WE) HEREBY CERTIFY THAT THIS DRAWING HAS BEEN CHECKED AND IS APPROVED FOR USE IN CONFORMITY WITH THE CONTRACT DOCUMENTS.

DATE: _____

NAME: _____

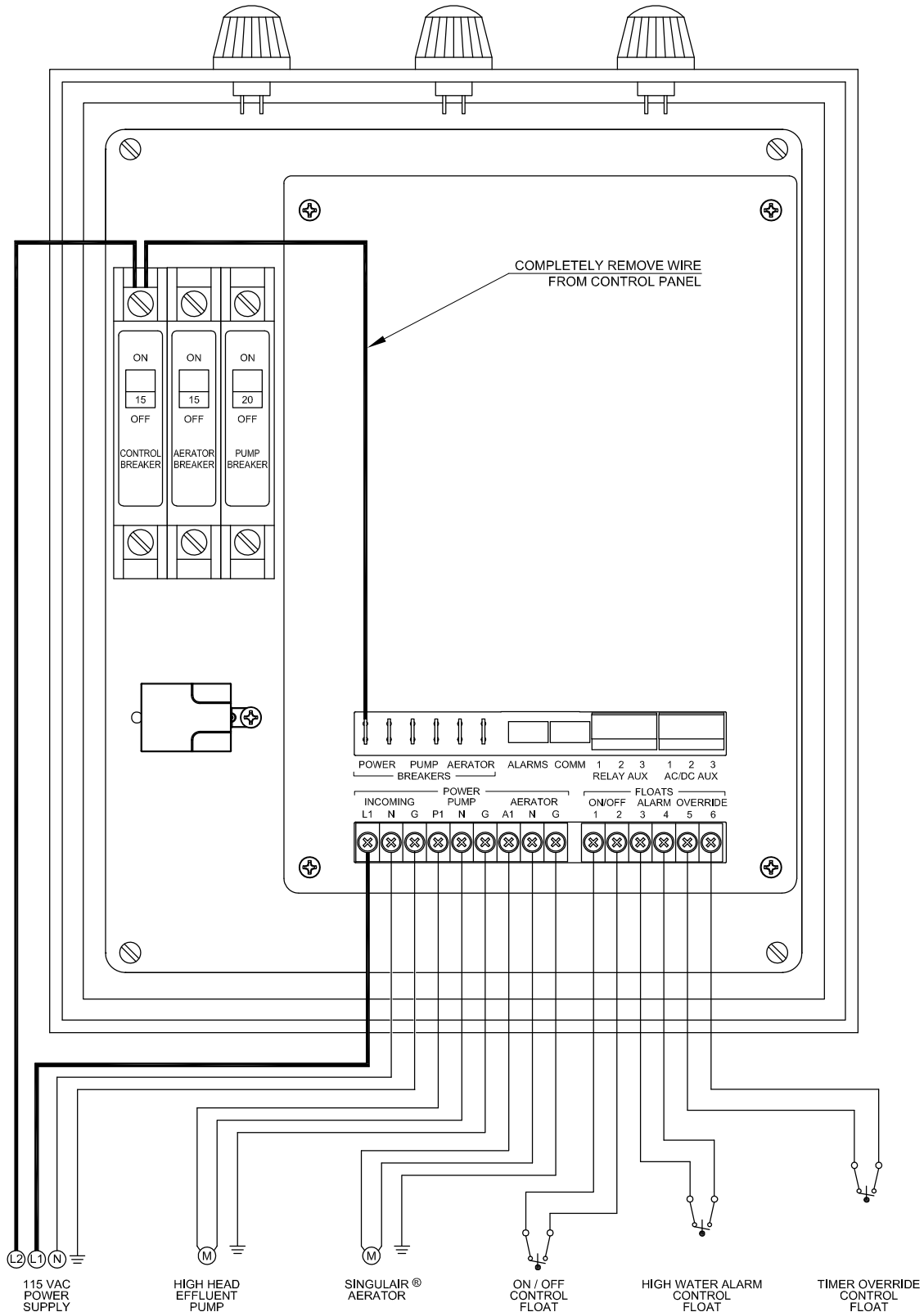
CRITICAL DIMENSIONS

A	3'-3"	N	0'-0 3/8"
B	3'-5 1/4"	O	0'-6"
C	4'-2 1/4"	P	0'-0 3/8"
D	2'-8 3/4"	Q	1'-8"
E	3'-4 3/4"	R	4'-6"
F	14'-0"	S	5'-11 1/2"
G	1'-4"	T	1'-5 1/2"
H	4'-7 1/2"	U	6'-6"
I	0'-3"	V	
J	0'-1 1/2"	W	
K	1'-0"	X	
L	0'-0 3/4"	Y	
M	4'-4"	Z	

U.S. AND FOREIGN TRADING RIGHTS PENDING	norweco	DATE: 09-23-2022	REV: A
© MAXXII	SINGULAR® GREEN WITH PUMP TANK, UV SYSTEM, PUMP, FLOAT SWITCHES, AND POST AERATION PLUMBING 600GPD SYSTEM	PROJECT: JMM	CAR
		DATE: 09-08-2022	NTS
			PC-5-7204

120 VOLT - 1Ø - 60 Hz - 20 AMP SERVICE

NOTE: AERATOR, PUMP AND INTEGRATED SYSTEM CONTROL PANEL MUST BE PROPERLY GROUNDED.



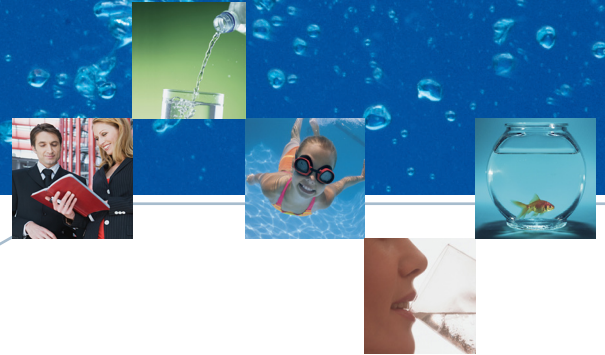
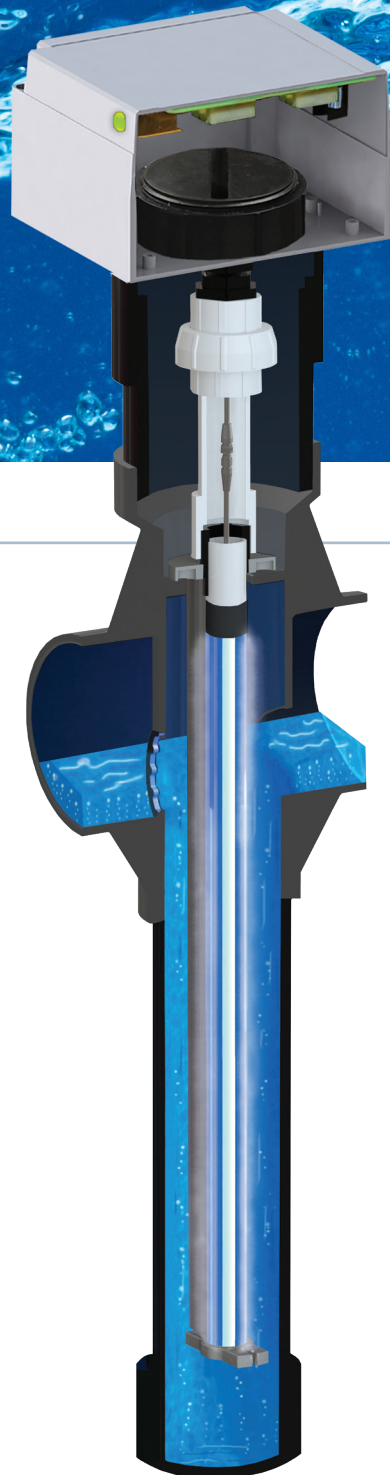
GENERAL NOTES:

- ① LOOSEN THE TERMINAL SCREW ON THE TOP OF THE CONTROL CIRCUIT BREAKER AND REMOVE THE FACTORY INSTALLED BLACK WIRE FROM THE BREAKER. DISCONNECT QUICK CONNECT FITTING ON THE OPPOSITE END FROM THE CIRCUIT BOARD AND DISCARD THE BLACK WIRE.
- ② 12/3 CABLE SHOULD BE USED TO BRING INCOMING POWER INTO THE CONTROL PANEL. THE RED WIRE SHOULD BE CONNECTED TO A DEDICATED 15 AMP CIRCUIT BREAKER IN THE MAIN ELECTRICAL PANEL IN THE HOME AND THE BLACK WIRE SHOULD BE CONNECTED TO A DEDICATED 20 AMP CIRCUIT BREAKER IN THE MAIN ELECTRICAL PANEL.
- ③ CONNECT THE INCOMING RED LEAD FROM THE 15 AMP CIRCUIT BREAKER IN THE HOME TO THE TOP OF THE CONTROL BREAKER.
- ④ CONNECT THE INCOMING BLACK, WHITE, AND BARE COPPER LEADS FROM THE MAIN ELECTRICAL PANEL IN THE HOME TO INCOMING POWER TERMINALS MARKED L1, N, AND G, RESPECTIVELY.

PART NUMBER:	
U.S. AND FOREIGN PATENTS PENDING	norweco
© MMXX	SERVICE PRO VIASP SERIES WIRING DIAGRAM WITH SEPARATE ALARM CIRCUIT
	POWER DATE: NPD
	DESIGNED BY: JMM
	DATE: 03-30-2020
	SCALE: NTS
	THIS DRAWING IS THE PROPERTY OF NORWECO. IT IS TO BE USED FOR THE EQUIPMENT COMPANY AND NOT BE REPRODUCED OR REPRODUCED BY ANY OTHER COMPANY WITHOUT WRITTEN PERMISSION FROM NORWECO.
	PC-5-7724

AT 1500

ULTRAVIOLET DISINFECTION



norweco[®]

*Engineering the future of water
and wastewater treatment*

A man with glasses and a woman are looking at a tablet together. The man is on the left, wearing a dark suit and glasses. The woman is on the right, wearing a dark pinstriped blazer. They are both smiling and looking down at the tablet. The background is a blurred office setting.

AT 1500

the safe, **effective** and reliable way to
disinfect in applications where ultraviolet
(UV) treatment is **preferred**

Your complete solution to meet even the most stringent environmental permit requirements, the AT 1500 UV disinfection system reduces bacteria levels from secondary effluent to achieve strict water quality standards. The reliability and performance of the AT 1500 is unmatched for onsite and decentralized treatment applications. Every component of the compact unit is highly engineered and constructed to provide reliable disinfection and superior operational life.

UV disinfection is routinely used in ecologically sensitive areas where residuals from chemical disinfection might possibly create problems in the receiving environment. Harmful pathogens and other contaminants, including some that are resistant to chemical disinfection, are rendered completely harmless by the reliable performance of the AT 1500 UV disinfection system.

solutions in wastewater treatment

The AT 1500 UV disinfection system reduces bacteria levels to meet strict water quality standards

Interlock Switch

A power interlock switch automatically de-energizes the system during service.

Inlet

Treated wastewater enters the system through an integral 4" inlet hub.

Turbulence Inducer

Turbulence is purposely created within the influent, accomplishing more complete disinfection.

UV Bulb

The heavy duty, long-life bulb provides reliable disinfection. Our lamp is tested and certified to provide superior bacteria kill over competitive systems, while maintaining extended service life.

Quartz Sleeve

The long-life bulb is encased within a transparent quartz sleeve to isolate the bulb from the flow stream and allow for uniform heat dissipation. The sleeve is manufactured from optical grade fused silica quartz for easy cleaning and superior UV transmittance.

Dual-Pass Design

An anodized aluminum frame with rubber gaskets creates a dual-pass flow path through the disinfection chamber. Extended treatment time and exposure to UV light allow for maximum disinfection and performance for stringent environmental standards.

NEMA 6 Electrical Enclosure with Internal Ballast

The compact electrical enclosure provides a watertight and weatherproof connection for all power lines to the system. The ballast is located safely inside this durable enclosure for protection and long-life. The green light on the enclosure is constantly lit to indicate proper operation.

Solid State Circuit Board

Function of the system is fully solid state, with a current sensing circuit. The current sensor automatically monitors performance of the UV bulb and provides constant assurance of proper operation.

Simplified Wiring

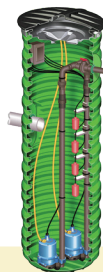
A single incoming power cable is the only electrical connection required to operate the AT 1500 system. The current sensing control center operates the bulb through a watertight pre-wired, NEMA 6P plug and play power cable assembly.

Outlet

Disinfected effluent exits the system through an integral 4" outlet hub.

ABS Disinfection Chamber

The system is contained within a compact, integrally molded ABS disinfection chamber that is carbon-impregnated for maximum durability. The watertight chamber is resistant to UV light and provides long operational life.



NPDES Treatment System

UNIQUE, STATE-SPECIFIC TREATMENT NEEDS CAN BE MET WITH THIS EQUIPMENT PACKAGE. THE NPDES TREATMENT UNIT FOLLOWS ANY APPROVED NORWECO AEROBIC WASTEWATER TREATMENT SYSTEM AND INCREASES DISSOLVED OXYGEN (DO) TO ABOVE 6 PPM TO PROTECT THE MOST SENSITIVE RECEIVING ENVIRONMENTS.

Pumping Stations

NORWECO'S SIMPLEX AND DUPLEX PUMPING STATIONS ARE A VERSATILE, DURABLE AND AFFORDABLE WAY TO SOLVE YOUR DOMESTIC FLUID HANDLING NEEDS. BASIC PRE-ENGINEERED PACKAGES INCLUDE A CORROSION RESISTANT POLYETHYLENE BASIN, PRE-WIRED ELECTRICAL CONTROL CENTER AND A WIDE SELECTION OF PUMPING EQUIPMENT.

Blue Crystal® Residential Disinfecting Tablets

OUR PURE CALCIUM HYPOCHLORITE TABLETS ARE SPECIALLY FORMULATED FOR USE IN RESIDENTIAL SYSTEMS FOR EFFICIENT, RELIABLE DISINFECTION. EACH TABLET CONTAINS AT LEAST 70% AVAILABLE CHLORINE. PACKAGED IN RE-SEALABLE CONTAINERS, OUR TABLETS ARE AVAILABLE FROM YOUR LOCAL NORWECO DISTRIBUTOR IN 5, 10 AND 100 POUND POLYETHYLENE PAILS.

We are committed to helping you keep your customers safe and the environment clean. The AT 1500 is the only UV treatment system listed with Underwriters Laboratories (UL) for residential disinfection applications.

customer focus



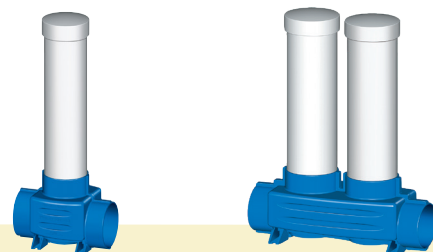
Consider the facts:

- Dual-pass design assures the integrity of the treatment process. All liquid flowing through the system is treated twice by the UV lamp, once on the way down and again on the way back up. This doubles the exposure to UV light and greatly improves treatment.
- All electrical components are contained in a NEMA 6 weatherproof electrical enclosure. These components control the disinfection process and assure treatment integrity. The gasketed cover is secured with screws to seal the enclosure.
- The long-life lamp provides superior reliability and operational performance to meet strict water quality standards. The bulb provides bacteria reduction rates of 99.9% for complete disinfection.
- The lighting ballast is contained within the gasketed electrical enclosure to assure maximum life. Competitive systems leave the ballast exposed to the treatment environment.
- Disinfection quality is assured by a corrosion resistant solid state circuit board that continually monitors system performance. A current sensing circuit automatically gives immediate notification should a service interruption occur.
- The AT 1500 UV disinfection system is certified to NSF/ANSI Standard 385. The system successfully completed the 6 month evaluation at 500 GPD loading, disinfecting instantaneous flow rates as low as 0.18 GPM and as high as 1.50 GPM.
- No chemical residual or harmful by-products. The AT 1500 UV disinfection system provides superior treatment and its performance is independent of the pH, temperature and ammonia content of the effluent being treated.
- Low electrical usage. The high efficiency electrical controls use very little electricity.
- Inexpensive to install and operate. The AT 1500 can be installed for less than some chemical feed systems, and requires no recurring chemical purchase. The only maintenance requirement is periodic cleaning of the quartz sleeve.
- Can be used to eliminate contaminants not readily removed by chemical treatment. Advanced Oxidation Processes (AOP) can be constructed by supplementing the AT 1500 system with ozone or H_2O_2 to remove chemical resistant pollutants, such as certain pharmaceuticals and methyl tertiary butyl ether (MTBE).



Bio-Max® Dechlorination Tablets

BIO-MAX DECHLORINATION TABLETS PROVIDE A CONVENIENT SOURCE OF CONCENTRATED SODIUM SULFITE TO INSTANTLY REMOVE ALL FORMS OF CHLORINE FROM WASTEWATER, POTABLE WATER AND PROCESS WATER. CONTAINING 92% SODIUM SULFITE AS ACTIVE INGREDIENT AND 8% PROPRIETARY INERT INGREDIENTS, BIO-MAX TABLETS CAN BE USED IN ALL BRANDS OF GRAVITY OR PRESSURIZED TABLET FEEDERS.



Bio-Dynamic® Tablet Feeders

BIO-DYNAMIC TABLET FEEDERS PROVIDE LOW COST, EFFECTIVE DISINFECTION AND DECHLORINATION OF SECONDARY EFFLUENT IN LESS SENSITIVE RECEIVING ENVIRONMENTS. EMPLOYING FLOW PROPORTIONAL CHEMICAL DOSAGE WITHOUT MOVING PARTS OR ELECTRICAL COMPONENTS, THE COMPACT TABLET FEEDERS INSTALL EASILY AND PROVIDE UNMATCHED DURABILITY.



Norweco distributors are located throughout the United States and much of the rest of the world. Research, product development, manufacturing, marketing and sales support are conducted inside our offices and factory in Norwalk, Ohio USA. Everyone at Norweco is committed to shaping the future of our industry.

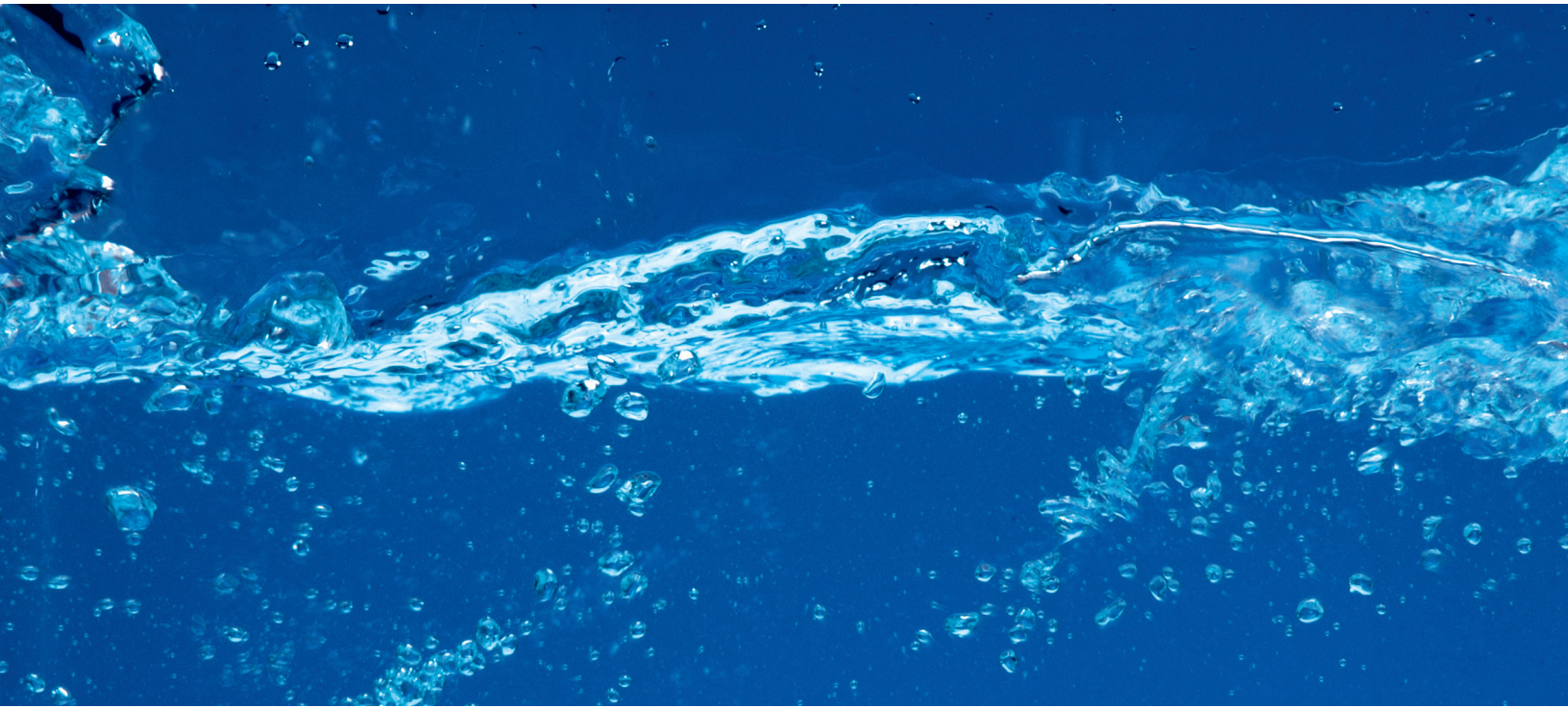
engineering the future

of water and wastewater treatment

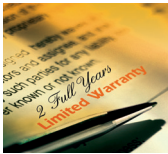
Specify Norweco UV Disinfection

Equipped with an internal current sensing circuit that continuously monitors the performance of the UV bulb, the AT 1500 automatically provides notification if system operation is interrupted. This self-diagnostic feature protects the disinfection process from disruptions and maintains treatment quality. When used in conjunction with a Norweco remote monitoring controller, the system owner and service provider can be immediately notified of any change in performance.

The compact design and rigid construction of the system makes installation quick and easy. The custom molded treatment chamber is constructed from carbon-impregnated ABS plastic that is resistant to ultraviolet light and the engineered flow path assures disinfection quality.



comprehensive protection, guaranteed



The AT 1500 disinfection system is warranted against defects in material and workmanship under normal use and service by a comprehensive 2 year warranty. This limited warranty provides single source protection and covers all system components. A warranty registration card is included with every new AT 1500 Installation and Operation Manual.

norweco[®]

*Engineering the future of water
and wastewater treatment*

**220 Republic Street
Norwalk, Ohio, U.S.A. 44857
PH: 419.668.4471
FAX: 419.663.5440
www.norweco.com**

The Model AT 1500 UV disinfection system has been listed, licensed and/or certified by each of the following agencies/organizations.



Progress Through Service Since 1906

We engineer, manufacture, install and maintain advanced water and wastewater treatment technologies for residential properties, communities and commercial properties that are not connected to sewer lines. Norweco treatment systems are in service all over the world.

Norweco[®], Norweco.com[®], Singulair[®], Modulair[®], Travalair[®], Singulair R3[®], Singulair Green[®], Ribbit Rivet[®], Hydro-Kinetic[®], Hydro-Kinetic Bio-Film Reactor[®], Evenair[®], Lift-Rail[®], Microsonic[®], Bio-Dynamic[®], Bio-Sanitizer[®], Bio-Neutralizer[®], Bio-Kinetic[®], Bio-Static[®], Bio-Gem[®], Bio-Max[®], Bio-Perc[®], Blue Crystal[®], Phos-4-Fade[®], Enviro-C[®], Nitro-Buster[®], ClearCheck[®], ChemCheck[®], Tri-Max[®], Hydra-Max[®], Service Pro[®], MCD[®], TNT[®], WASP[®], Grease Buster[®] and "BUSTER" logo are all registered trademarks of Norwalk Wastewater Equipment Company, Inc.

Site and Soil Evaluation for Sewage Treatment and Dispersal

County: Franklin
 Township / Sec.: Mifflin
 Property Address/Location: 2710 McCutcheon Road
 Applicant Name: Columbus WPCLF
 Address:
 Phone #:
 Lot #:
 Test Hole #: 1
 Latitude/Longitude:
 Method: Pit Auger X Tube

Land Use / Vegetation: Lawn
 Landform: Urban Fill
 Position on Landform: Flat
 Percent Slope: 0.5%
 Shape of Slope: Linear
 Bedrooms or GPD: 3
 Date: Monday, April 27, 2026
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 26D401
 Soil Series:


 Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@gmail.com

Site and Soil Evaluation for Sewage Treatment and Dispersal												
Soil Profile		Estimating Soil Saturation			Estimating Soil Permeability							Other Soil Features
		Munsell Color (hue, value, chroma)										
Horizon	Depth (inches)	Matrix Color	Redoximorphic Features		Texture			Structure			Consistence	
			Concentrations	Depletions	Class	Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)		
A	0 to 5	10YR 4/3			sil	20	2	2	m	gr	fr	
C1 (fill)	5 to 15	10YR 5/4		20%10yR 5/2	sic1	30	2	0		m	fi	
C2((fill)	15 to 25	10YR 5/4		30%10YR 5/2	sic1	35	2	0		m	fi	

Limiting Conditions	Depth (inches)	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	5		Surface water should be diverted around system. Subsurface ag drainage may be present.
Apparent Water Table	>25		
Highly Permeable Material	>25		
Bedrock	>25		
Restrictive Layer	5	compacted fill	

Note : The evaluation shall include a complete site plan or site drawing including all requirements in paragraphs (B)(1) through (B)(4) of OAC 3701-29-08.