

Kent Sewer Commission
Special Meeting

August 9, 2017
9:00 A.M. Town Hall

Present: Elissa Potts, John Casey, Stan Jennings and Susi Williams.

Also present: Bart Clark.

Ms. Potts called the special meeting of the Kent Sewer Commission to order at 9:00 a.m.

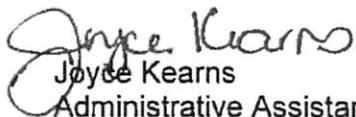
Proposed car detailing business:

Ms. Potts read the attached e-mail from Rob Carbone, owner of No Sweat Detail. Mr. Casey made a motion to approve Mr. Carbone's request to open and operate a car detailing business at 21 Bridge Street providing he conduct the business under CTDEEP's definition of "Small Detailing Facility." Mrs. Williams seconded the motion and the motion carried. Ms. Potts sent the attached letter to Land Use Officer Donna Hayes and will notify Mr. Carbone.

Aeration Project:

Mr. Clark presented two estimates, one for the supplies (SSI Aeration) and one for the installation (Alon Industries) of the proposed new aeration system, as well as a conceptual cost estimate for the project. Mr. Casey made a motion to approve the two estimates attached, pending satisfactory resolution of the completed contracts. Mr. Jennings seconded the motion and the motion carried.

Mrs. Williams made a motion to adjourn the meeting at 9:08 a.m. Mr. Jennings seconded the motion and the motion carried.


Joyce Kearns
Administrative Assistant

These are draft minutes and the Kent Sewer Commission at the subsequent regular meeting may make corrections. Please refer to subsequent regular meeting minutes for possible corrections and approval of these minutes.

RECEIVED FOR RECORD
KENT TOWN CLERK

2017 AUG 11 A 10:30

BY


TOWN CLERK

"An equal opportunity employer and service provider."
KENT SEWER COMMISSION SPECIAL MEETING MINUTES, AUGUST 9, 2017



View in HTML | Print | Forward

Fwd: No sweat detail specialty cleaning info

Elissa Potts <egtpotts@snet.net>
To: Kent Sewer Joyce Keams <jkeams@kentsewer.org>

Wed, Aug 9, 2017

Elissa G T Potts
Fife 'n Drum Restaurant and Inn
Fife 'n Drum Gift Shop
53 N Main St
P O Box 188
Kent, CT 06757
Restaurant 860-927-3509
Mobile 203-313-2626
Gift Shop 860-926-3618
www.fitendrum.com

Begin forwarded message:

From: rob carbone <nosweatdetail@yahoo.com>
Date: August 8, 2017 at 9:00:13 AM EDT
To: Egtpotts@snet.net
Subject: No sweat detail specialty cleaning info

Let me know if this works for you if you need anything else I'd be happy to send it to you I'm hoping to get approval during the Thursday meeting in hopes to begin shortly on Bridge Street
Rob C

August 3, 2017

To Whom It May Concern:

I am writing regarding opening my detail shop in the garage at 21 Bridge Street. I will be doing business under CTDEEP's definition of "Small Detailing Facility".

I will not exceed 500 gallons per day of vehicle maintenance wastewater. There will be no use of automated exterior cleaning equipment. I will not be steam cleaning engines or repairing engines. I will also not be servicing the engine in any way. I will be cleaning under ten vehicles per day, will likely never exceed two per day.

I will continue to follow these guidelines for as long as I am

doing business at the 21 Bridge Street location.

Thank you for your time.

Sincerely,

Robert Carbone
Owner and operator of No Sweat Detail

Sent from my iPhone

Elissa Potts <epotts@snet.net>
To: rob carbone <nosweatdetail@yahoo.com>
Cc: Kent Sewer Joyce Kearns <jkearns@kentsewer.org>, John <jecasay2@gmail.com>, Susi Williams <mcwilliams@snet.net>, sjennings@kentsewer.org, Jack Nelson <JackNelson@concordenviro.com>, Kent Sewer John Grant <johnnleg1004@yahoo.com>, Zoning Donna Hayes <landuseadmin@townofkentcd.org>, oakwoodea@optonline.com
Rob Carbone

Wed, Aug 9, 2017 at 9:52 AM

Kent Sewer Commission
P.O. Box 144
41 Kent Green Blvd.
Kent, CT 06757

August 4, 2017

Donna Hayes, Land Use Administrator
Town of Kent
41 Kent Green Boulevard
P.O. Box 678
Kent, CT 06757

Dear Ms. Hayes:

The Kent Sewer Commission has reviewed the Automobile detailing proposed by Mr. Robert Carbone at the Bridge St location. We find that the business is exempt from the treatment requirements of the "General Permit for the Discharge of Vehicle Maintenance Wastewater." However, we recognize that the business is being proposed to be located in a building that was previously used as an auto repair shop. So, there is likely a treatment tank in place already. The Commission has no requirements for the discharge of the wastewater from this facility to the Sewer, but recommend that the treatment tank be maintained to prevent any problems with the associated discharge.

Please contact me if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Elissa G. T. Potts', with a stylized flourish at the end.

Elissa G. T. Potts
Chair, Kent Sewer Commission

Alon Industries, Inc.

1665 Bulls Head Road
Clinton Corners, NY 12514

Estimate

Date	Estimate #
7/12/2017	784

Name / Address
Town of Kent 41 Kent Green Blvd Kent, CT 06757

Project	Contract
	Water Pollution Control A...

Item No.	Description	Qty	Rate	Total
1	Kent Sewage Treatment Plant , Equipment Installation for the Aeration Treatment Upgrade, as per plans Exclusion of cost for AU-766, Guarantee Bond	1	68,617.00	68,617.00
Total				\$68,617.00
Phone #	E-mail			
9144972110	alonindustries@aol.com			

Bart Clark

From: sroachct@aol.com
Sent: Monday, June 26, 2017 4:22 PM
To: oakwoodea@optonline.net
Subject: Town of Kent Oakwood Environmental Associates
Attachments: copier@wescor1.net_20170626_150552.pdf

Dear Mr. Clark

Please review the SSI Aeration proposal regarding the Town of Kent's project.

The cost for the SSI Aeration is \$ 59,900.dollars

We also recommend two days in 2 trips for the project at \$ 585.00 dollars

Following your review , please advise on how we may assist you further.

Thank you

Stephen Roach



SSI Aeration

Date: : 06/19/2017

Project Name: Town of Kent, CT

Prepared for: Wescor Assoc. Inc

Fine Bubble Aeration Equipment

Revision 'C' updated to meet with the changes per email dated on 15th June 2017



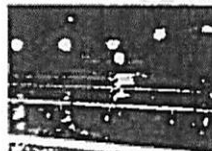
Aeration Performance Through Innovation



Fine Bubble Diffusers
Disc Type



Fine Bubble Diffusers
Tube Type



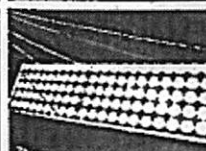
Corrosion Resistant
Reliability Built In



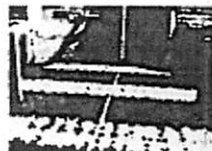
Telemetry Systems
Real Time Camera Monitoring



Advanced
Membrane Materials
PTFE



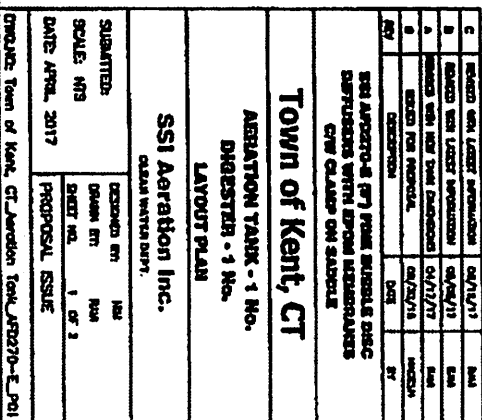
Retrievable Systems
Easy to Maintain



Complete Aeration Systems
Designed for You

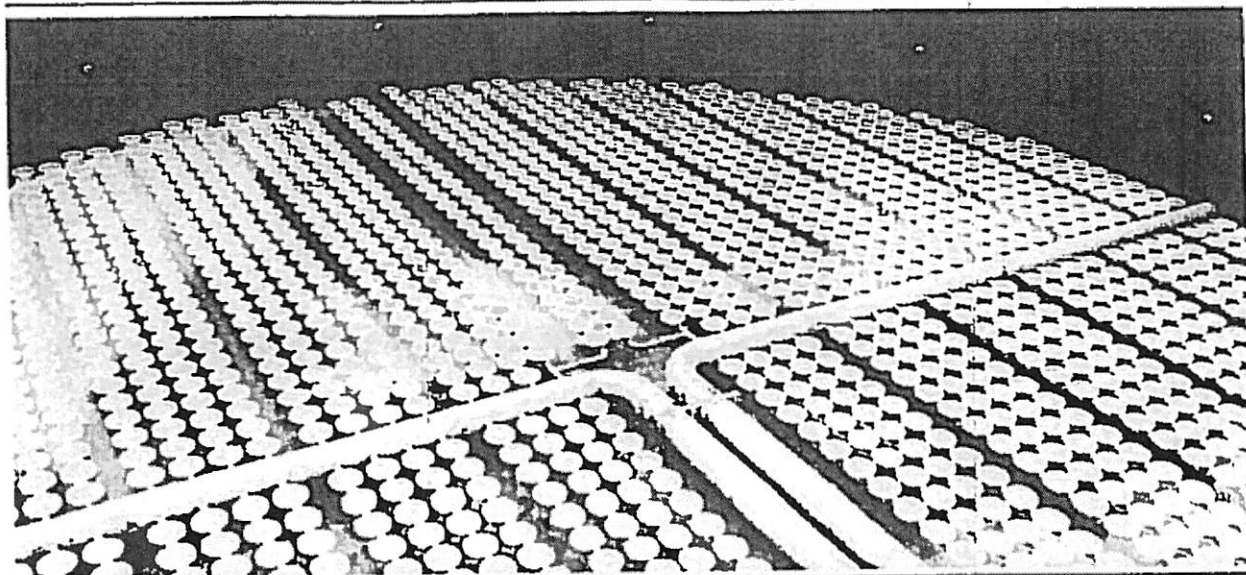
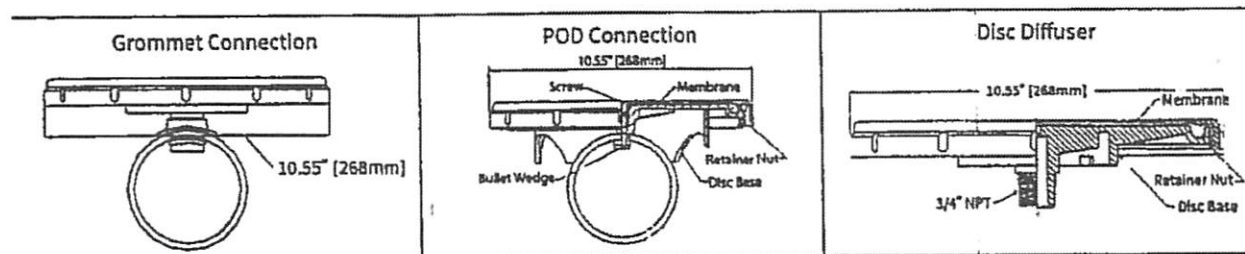


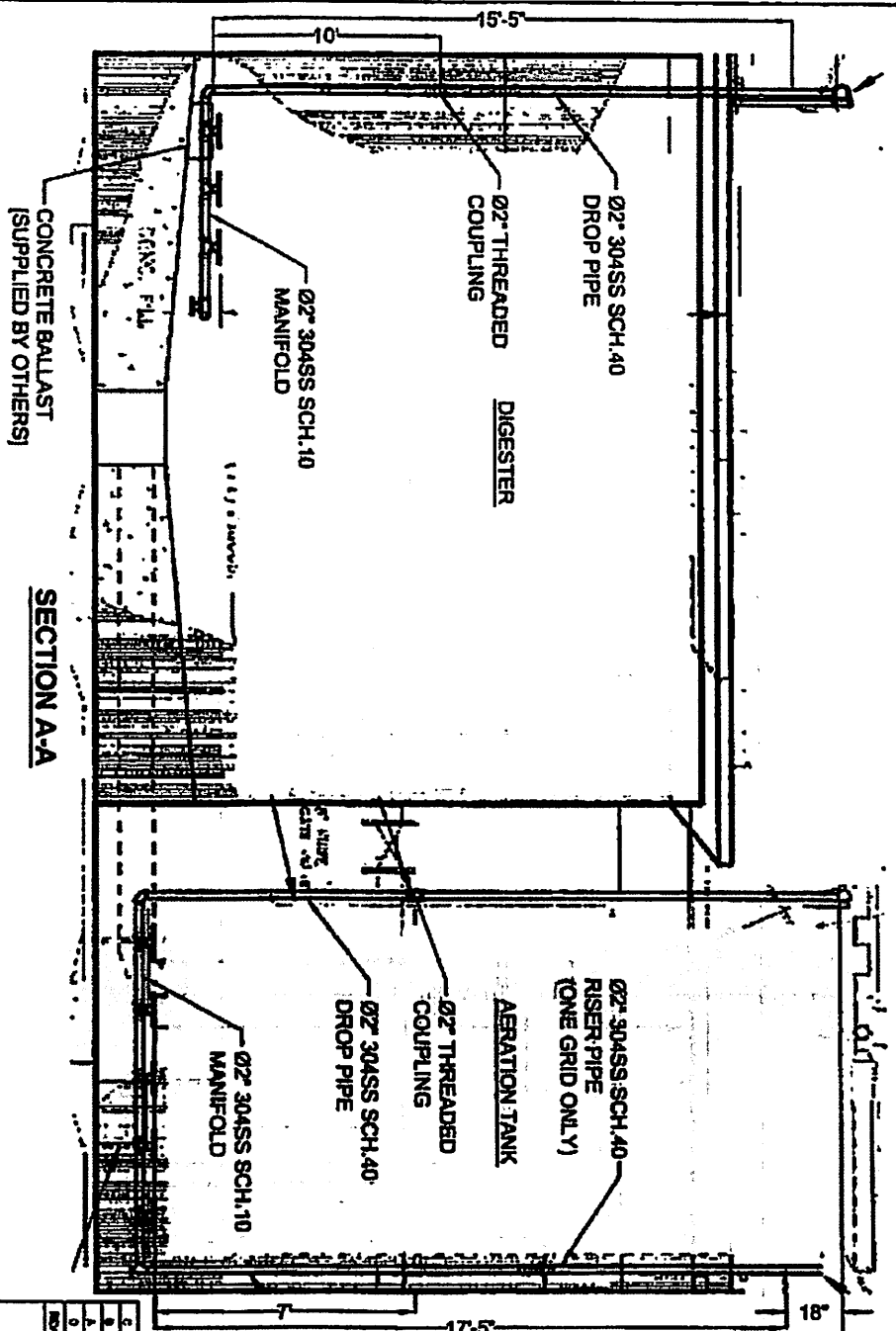
Retrofit Existing Systems



What Makes the **SSI 9" Disc Diffuser Systems** a Worldwide Choice?

The SSI 9" Disc Diffuser System combines engineering excellence, superior component quality, and a technically advanced product design. Proven highly durable and efficient in thousands of municipal and industrial installations around the world, this advanced system has reliability built into every stage of performance.





ALL THE FIELD DIMENSIONS ON ANY SLOPE IN THE TANK FLOOR TO BE CONFIRMED BEFORE APPROVAL

THIS LAYOUT IS FOR REFERENCE ONLY
THIS DRAWING IS NOT TO USE FOR
INSTALLATION OR CONSTRUCTION PURPOSE

SUPPLY BY
OTHERS
SSI SUPPLY
LIMIT

1	REVISIONS	DATE	BY
2	ISSUED FOR CONSTRUCTION	04/16/17	SS
3	ISSUED FOR CONSTRUCTION	04/17/17	SS
4	ISSUED FOR CONSTRUCTION	04/17/17	SS
5	ISSUED FOR CONSTRUCTION	04/17/17	SS

SSI AERATION-TANK TANK SYSTEMS
DIFFUSERS WITH EPDM MEMBRANES
C/W CLAMP ON SADDLE

Town of Kent, CT

AERATION TANK - 1 No.
DIGESTER - 1 No.

SECTION

SSI Aeration Inc.

CLEAR WATER DEPT.

SUBMITTED:	DESIGNED BY:	NO.
SCALE: NTS	DRAWN BY:	SS
DATE: APRIL, 2017	SHEET NO.	2 OF 1
	PROPOSAL ISSUE	

DRAWING: Town of Kent, CT Aeration Tank, A27270-C-201

SSI 9" Disc Diffuser

Unique System Strengths

Complete product line - creating the system that fits your needs

SSI manufactures disc diffusers and coarse bubble diffusers, and we mount these products on a wide range of piping materials including PVC, CPVC, PP and Stainless Steel. We have the ability to attach diffusers to pipe using saddles, grommets, or pre-assembled PODS. We can provide retrievable systems or fixed grids, and systems in kit form or mostly factory assembled. We try to understand and anticipate your needs, and fit our recommendations to your situation.

Piping system integrity - thicker wall pipe and double anchors for fewer breakages

Our piping is 38% thicker and has double rod support stands as standard - two anchors for each support location means twice the resistance to hydraulic and thermal loads. Most often supports fail due to temperature and water velocity. SSI locates two anchors where support is needed most, helping to increase product longevity.

Comprehensive design service and after sales support

SSI provides full design services, including biological and mixing calculations, process simulations and hydraulic studies. We maintain a full drafting department with 3D and animation capabilities and we can assist with specifications and CAD drawings. Our service and installation crew can hold your hand during the early stages of the project and our worldwide multi-lingual staff is dedicated to your complete satisfaction.

Intelligent Upgrade Options

Patented PTFE membranes prolong efficiency and reduce whole-life costs

SSI's patented PTFE membrane barrier properties not only reduce plasticizer extraction, shrinking, and membrane hardening but also limit dynamic changes that can result from swell, such as creep. Compared with uncoated products that are more susceptible to increases in DWP due to more aggressive fouling and changes in physical properties and weight, the PTFE coated membrane improves consistency of DWP (Headloss) values over the product life. This directly impacts long-term power costs and the ability of the system to distribute air uniformly across the tank floor.

SSI Telemetry - the inside story solves maintenance problems

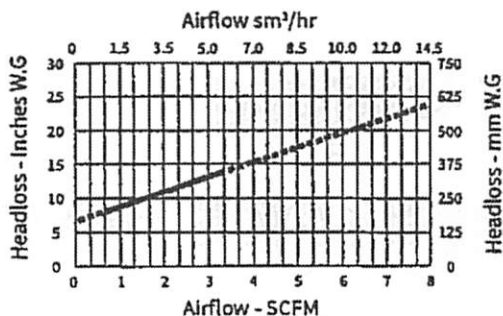
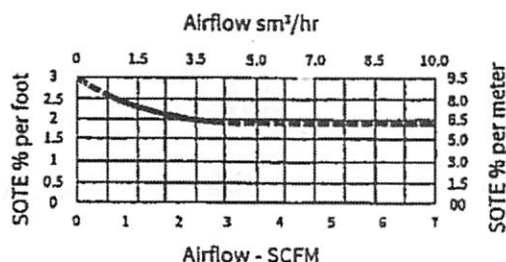
At the click of a mouse, you will know the DWP of your diffuser membranes, airflow rate to those monitored diffusers, and air temperature in the submerged piping system. You can sense vibration, pipe roll over, and water in the grid. Automatic moisture purging and automatic acid dosing systems are available. Through multiple cameras, you can see both inside the grids, and surface bubble patterns. Wet probes are also available for DO and WW temperature. Tracking all this data on a user-friendly online dashboard facilitates communication between consultant and client, manufacturer and rep. This smart technology lets you locate problem areas and allocate resources more efficiently. SSI Telemetry is your preventive maintenance hub in the heart of the plant.

Pods Connection

Factory assembled diffusers mounted on laterals save contractors up to 30% on assembly time. PODS are a viable solution if you want to tank down for a minimum period, if your labor costs are high, or if you have a field labor shortage. For engineers unsure about the skill set of a contractor's field labor, SSI PODS are worry free with fewer field connections, and most connections created in controlled factory settings by trained personnel and automatic machines.

Grommet Connection

Simple to install on site, compact to ship and move. Affordably priced and time tested over 15 years worldwide.

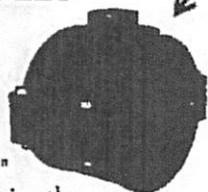


SSITM ACCESSORIES

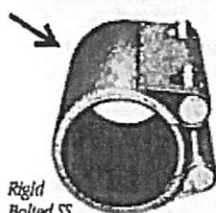
CLAMP-SADDLES

Quick Connect type Clamp-Saddle mount on Stainless Steel and PVC pipes.

They allow retrofit of 12" to 9" discs without changing the piping system. Clamp-Saddles are made of PP, and install on pipe easily and quickly.



EXPANSION JOINT OPTIONS



Rigid Bolted SS

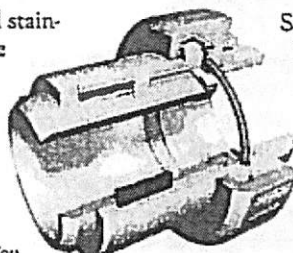
Expansion Joints are available in three types: Flexible PVC with SS Shell, Rigid Bolted SS, and Anti-rotation, Telescoping PVC. The flexible expansion joints are recommended for disc installations and the positive locking type for tube diffuser projects.



Flexible PVC w/SS shell

Slotted band joints with stainless steel shear rings are suitable for disc-type fine bubble and cap-type coarse bubble lateral plastic piping systems, in conjunction with SSI's fixed and guide support stand system to manage thermal expansion and contraction.

Positive locking bolted stainless steel couplings are suitable for drop pipes, stainless joints, and for all tube diffuser piping systems to restrict header pipe rotation.



Anti-rotation, Telescoping PVC

SSI's Sliding Expansion Joint is an anti-rotational telescopic union which absorbs pipe expansion and contraction to up to 1.5" (38mm).

GROMMETS

Grommets are available for round plastic or square stainless steel pipes in US or Metric dimensions. Installation is simple. Multiple sizes are available based on pipe wall thickness. Grommets install into a 1-1/4" (32mm) chamfered hole.

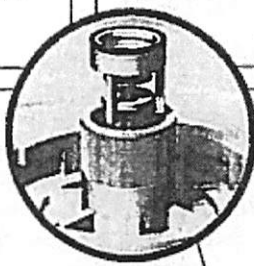


CHECK VALVES

SSI fine and coarse bubble diffusers are available with optional check valves. These are not required for proper operation since most diffusers are self-checking, but they may give peace of mind to the designer or operator.



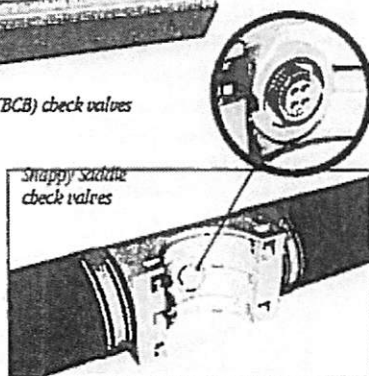
Tube Diffuser check valves



Disc blowing check valve installation



Coarse Band (WBCB) check valves



Shrapnel saddle check valves

Please see reverse for additional technical data

SSI Aeration
SMART IDEAS FOR WATER

SSI AERATION, INC.

+1-845-454-8171 TEL
+1-845-454-8094 FAX

4 TUCKER DRIVE
POUGHKEEPSIE, NEW YORK 12603 USA
www.sslaeration.com
EMAIL: Info@sslaeration.com

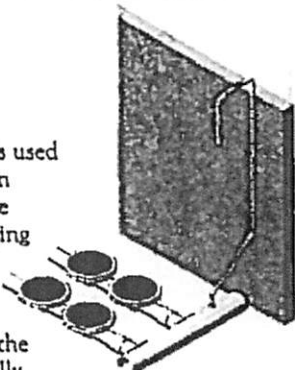
SSI ACCESSORIES *continued*

MOISTURE PURGE SYSTEM

An airlift type purge system is used in all SSI fine bubble aeration systems to remove condensate from the piping system. Purging entrained water helps ensure even air distribution to all diffusers in a grid.

A ball valve is supplied with the system and is opened manually.

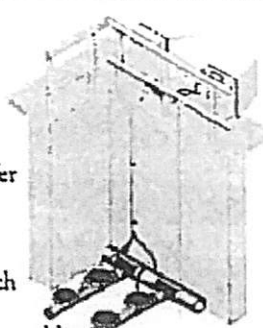
Continuous purge systems are available for retrievable-type aeration systems, or where it is not possible to fasten a purge line to a tank wall.



PRESSURE MONITORING SYSTEM

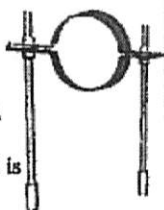
Throughout the life of an aeration system, oxygen transfer efficiency may decline somewhat when diffusers become fouled, but headloss can increase dramatically which in turn increases energy costs.

A pressure monitoring system enables the operator to better determine the optimal cleaning frequency of the membranes. The fouling rate can vary by aeration zone, hence it is recommended to install at least one system in each zone.



SUPPORT STANDS

Support Stands are available in 304SS, 316SS or in ABS plastic. SSI's standard is 304SS with drop-in anchor bolts. In our aeration piping systems, support stands fulfill the dual role of anchoring pipes to the floor and controlling thermal expansion and contraction. Special support stands for uneven tank floors, for installing into concrete ballast forms, and for tanks with significant channel velocity (with lateral supports) are also available. ABS support stands are primarily used with disc diffusers and plastic pipe, where a low capital cost is the primary objective.



ABS plastic support stand

TELEMETRY SYSTEM

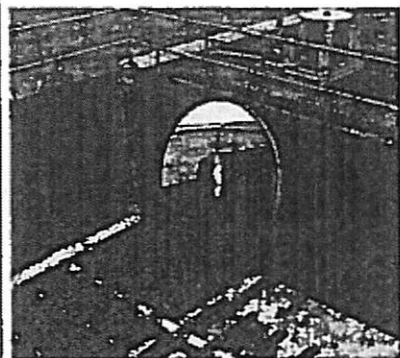
Adding a Telemetry System to your aeration system will allow you to remotely monitor factors inside your tank from any PC, tablet or mobile device.

Telemetry can be installed in new systems or retrofitted through an end cap into existing systems. Telemetry sensors are available to monitor variables in your system such as temperature, vibration, humidity, water detection, DO, and other environmental factors.



ACID DOSING SYSTEM

In-situ Acid Dosing Systems are available to control calcareous deposits in the perforations which will reduce membrane backpressure.



SSI - SSI Aeration, Inc.
Standard Terms and Conditions of Sale

1. **General:** All products and services offered for sale by Stamford Scientific International, Inc. (hereinafter "Seller") or its subsidiaries or through its distributors or sales representatives, are sold subject to the terms and conditions stated herein. This offer expressly limits acceptance to the terms hereof and any additional, different or inconsistent terms proposed by Buyer, whether in writing or otherwise, are hereby objected to and rejected and Seller shall not be bound thereby unless expressly agreed in a writing signed by an officer of the Seller that such terms and conditions shall supersede those contained herein.
2. **Estimates and Quotations:** All prices are subject to adjustment on account of specifications, quantities, shipment arrangements or other terms and conditions, which are not part of the original price quotation. Written estimates issued by the Seller will be valid for 30 days only. Products are sold at prices in effect at the time the order is taken. The company reserves the right to change prices without notice when necessary.
3. **Terms and Method of Payment:** For Buyers with established credit, payment of accounts due must be made within 30 days of shipment FOB Seller facility or 30 days after the goods are ready to ship and Buyer is notified of same. Seller may make partial billings of the contract price or invoice as various components of the equipment are shipped. Partial payments are expected to be made according to partial goods shipped. Custom built and special large orders shall require deposits in advance of production together with progress payments. For Buyers without credit, payment will be by company check, bank draft, Visa or Mastercard, telegraphic transfer or irrevocable letter of credit at time of order or progress payments according to quote offer. The Buyer shall not be entitled to withhold payment of any sums due to the Seller by reason of any disputed claim by the customer relating to any goods or deliveries. If Buyer fails to make payment by the due dates then without prejudice to any other rights of the Seller, the Seller shall be entitled to suspend all or any other deliveries to be made under that or any other contract with the Buyer and in such event the Buyer shall not in any respect be released from its obligations to the Seller under that or any such other contract. The Seller shall also be entitled to treat the relevant contract or any other contract with the Buyer as having been terminated by the Buyer and to claim damages for breach of contract accordingly.
4. **Taxes:** Product prices do not include taxes. The amount of any present or future sales, use, excise, value-added or similar tax if applicable to the sale shall be paid by the Buyer unless a tax exemption certificate acceptable to the tax authorities is approved. If Seller is required to pay any such tax, fee or charge, Buyer shall reimburse Seller therefor.
5. **Delays in Delivery and Force Majeure:** All quoted delivery dates are approximate. The Seller will make commercially reasonable efforts to meet any delivery date(s) quoted in the agreement. However, under no circumstances shall the Seller be liable to Buyer for any delay in shipment or failure to meet any quoted delivery date(s) due to unforeseen circumstances or due to a cause beyond its control. Examples of such causes are acts of God, wars, riots, embargoes, acts of civil or military authorities, fires, floods, accidents, strikes, transportation delays, inability to obtain materials or supplies, interruption for any reason in the manufacture of products by Seller's supplies or other causes not within Seller's control.
6. **Warranty/Repairs:** Products manufactured by Seller are warranted to be free from defects in materials or workmanship for 18 months from date of shipment or 12 months from the date of start up, whichever comes first. Parts found to be defective in materials or workmanship will be repaired or replaced without charge, F.O.B. original point of shipment. The foregoing warranty is in lieu of and excludes all other warranties expressed or implied (including any warranty of merchantability or fitness or purpose). The responsibility of the Seller is limited to the cost of the defective part. Wear caused by faulty maintenance or operation shall not constitute defects. Elastic components damaged as a result of maintenance activities, excessive airflow, foreign debris in the process solution, or excessive exposure to direct ultraviolet and thermal radiation shall be excluded. Decomposition by chemical action and chemical precipitates shall not constitute defects. Claims for defective, damaged or improper material or for shortages will not be allowed unless written notice specifying the nature and extent of the defect, damage or shortage is received in the Seller's office within fourteen (14) days from delivery. Seller assumes no responsibility of expense for repairs made on equipment sold by it to Buyer when such repairs are done outside Seller's factory facilities without its written consent.
- In all cases, a Start-Up certificate issued by SSI is for general conformance to the Manufacturer's installation instructions only after audit for work performed. However, in no cases, SSI can audit 100% of all work performed by others and cannot guarantee their work to fully meet our installation instructions. Warranty for installation labor and services provided by others shall be covered by the warranty of the entity performing those services. Failure by the installer to fully meet our installation instructions and requirements may result in installation errors which may lead to equipment failure, for which Seller shall not be liable.
7. **Cancellation and Returns Policy:** (A) Cancellations: Any request for order cancellation, rescheduling or modification by Buyer must be made in writing and such action must be approved in writing by an officer of Seller. Such request should be made to Seller at least four (4) weeks from scheduled shipment date in order to be considered. Such cancellation, rescheduling or modification shall be subject to the payment of reasonable cancellation charges, which shall include but not be limited to expenses already incurred for labor and material costs, commitments made by Seller and a reasonable profit. (B) Returns: Any request for product return by Buyer must be made in writing. Returns of products will not be accepted for any reason without prior written consent of Seller and issuance of a Return Material Authorization (RMA) number. Return of products must be shipped freight prepaid by Buyer. Seller will not accept freight charges. Returns may be subject to a 15% restocking fee and any other reasonable charges. Returns made without obtaining prior authorization shall be returned to sender at Buyer's expense. Custom made goods may not be returned under any circumstance.
8. **Limitation of Liability:** Notwithstanding anything else to the contrary, Seller shall have no liability for consequential, incidental, punitive, indirect and/or special damages regarding the sale or use of a product even if the potential for such damages has been disclosed to Seller. Seller's total liability for product defect claims shall not exceed the purchase price paid for the product.
9. **Complete Agreement:** These Terms and Conditions of Sale when combined with Seller's invoice represent the entire agreement between the parties with respect to the subject matter hereof. Language contained in any digital or written instrument from Buyer to Seller serving to modify the terms of any of the foregoing shall be of no effect.
10. **Severability:** If any provision of these Terms and Conditions of Sale shall be deemed illegal or unenforceable, such illegality or unenforceability shall not affect the validity and enforceability of any other provisions hereof, which together shall be construed as if such illegal and unenforceable provision or provisions had not been included herein.
11. **No Waiver:** The failure by Seller to enforce at any time any of the provisions of this agreement, or to exercise any election or option provided herein, shall not be a waiver and shall in no way be construed as a waiver of such provisions or options, nor in any way be construed to affect the validity of this agreement or any part thereof, or the right of Seller thereafter to enforce each and every such provision.
12. **No Indemnification:** Unless otherwise expressly provided in writing by both parties, Seller does not indemnify, nor does it hold Buyer harmless, against any liability, losses, damages and expenses (including attorney's fees) relating to any claim whatsoever, including without limitation, claims for personal injuries, death or property damage related to the products sold hereunder.
13. **Governing Law; Limitations:** The relationship between Buyer and Seller in relation to the products shall be governed by and construed in accordance with the laws of the State of New York, U.S.A. Any legal action with respect to any transaction must be commenced within one year after the cause of action has arisen.
14. **Dispute Resolution:** Actions by Seller for nonpayment by Buyer of the purchase price of products sold by Seller, or for redress of other breaches by Buyer of these Terms and Conditions of Sale, may be brought by Seller, at its option, before any court of competent jurisdiction in the State of New York. At Seller's option, disputes between Buyer and Seller, including all claims for non-performance by Seller, shall be finally settled by arbitration in Poughkeepsie, New York USA.

15. **Foreign Corrupt Practices Act:** Buyer represents and warrants to Seller that it shall comply with all laws in relation to its sale and/or use of the Products and will not pay anything of value to any government employee in connection with the sale of the Products.

16. **Precedence:** In the event of any inconsistency among the referenced documents, attachments, drawings, specifications or other provisions hereof, the following order of precedence shall apply: (1) special terms and conditions agreed to in writing by an Officer of the Seller, (2) these standard terms and conditions of sale, (3) specifications, (4) all other attachments or documents incorporated herein by reference.

Conceptual Cost Estimate

Wastewater Treatment Plant Aeration System Upgrade

Prepared for
Town of Kent, Water Pollution Control Authority
12/1/2016

Item no.	Item Description	unit of measure	Number of units required	cost per unit	Total Cost per item	Section Subtotals	Quote 1	Quote 2	Quote 3
1.00	Contractors Administrative Costs								
1.01	Bonds and Insurances	Allowance	1	\$2,500.00	\$2,500.00			0.00	\$0.00
1.02	Shop Drawings	Allowance	1	\$2,000.00	\$2,000.00			0.00	\$0.00
1.03	Closeout Costs	Allowance	1	\$1,000.00	\$1,000.00			0.00	\$0.00
	Section Total					\$5,500.00		0.00	
2.00	Construction Costs								
2.01	Girt Removal	LS	1.0	\$6,000.00	\$6,000.00				
	Vector Removal	LS	1.0	\$3,000.00	\$3,000.00				
	Grt disposal					\$9,000.00			\$9,000.00 Allowance
2.02	Fabrication of Diffuser Grids								
	Sludge Digester	LS	1.0	\$15,000.00	\$15,000.00				
	Aeration Tank	LS	1.0	\$35,000.00	\$35,000.00				
	Stainless steel drop pipe	LF	330.0	\$25.00	\$8,250.00				
						\$58,250.00	SSI -	Farrel Precision Fabrication - No Response	Churyk Iron Works - No Response
2.04	Installation of Grids								
	2" Repair couplings	Ea	20.0	\$250.00	\$5,000.00		Included in SSI's quote	0.00	
	Weld new couplings on air header add new valves and pipe	Ea	18.0	\$350.00	\$6,300.00		Zoro Parts	2,300.00	
	Weld new drop pipe supports on tank wall	Ea	5.0	\$200.00	\$1,200.00		Jacquier Welding -	8,100.00	
	Cast Concrete ballast blocks	Ea	18.0	\$400.00	\$7,200.00				
	Lifting Hardware for grid (angle, clevis, bolts)	Ea	18.0	\$200.00	\$3,600.00				
	Stainless steel chain with ends	LF	360.0	\$22.00	\$7,920.00				
	Strut Support Frames for Sludge Digester	LS	1.0	\$2,500.00	\$2,500.00		Included in Jacquier's quote	0.00	
	Placing Grids in Sludge Digester	Day	2.0	\$3,000.00	\$6,000.00				
	Placing Grids in Aeration Tank	Day	4.0	\$3,000.00	\$12,000.00				
	Crane Rental	Month	1.0	\$3,500.00	\$3,500.00		Alon Industries	68,617.00	Nickerson - no quote
						\$55,220.00			\$68,617.00
2.05	Blower Control System								
	Timer Relays	Ea	2.0	\$300.00	\$600.00			792.00	from Automation Direct and Walker Industrial
	Installation of Relays and testing	LS	1.0	\$4,000.00	\$4,000.00				\$792.00
						\$4,600.00			\$1,000.00
	Section total					\$127,070.00			
	Subtotal					\$132,570.00			\$139,309.00
	Contingency Allowances	Allowance	5.00%		\$8,628.50				
	Engineering Services		15.00%		\$18,885.50				\$19,885.50 Allowance
	Legal Services		5.00%		\$6,628.50				
						\$33,142.50		0.00	
	Estimated Project Costs					\$165,712.50		\$0.00	\$159,194.50
	Use Rounded Amount					\$170,000.00			

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