

FIFTEEN ROPE FERRY ROAD

WATERFORD, CT 06385



TO: Mr. Robert J. Brule - First Selectman
FROM: Neftali Soto, PE - Chief Engineer
DATE: November 10, 2021

RE: Utility Commission – Capital Improvements Plan FY 23-27

Dear First Selectman Brule,

For your consideration, and as requested on your Memorandum of September 14, 2021, the Utility Commission is pleased to submit two (2) copies of the FY2023-27 Capital Improvements Plan.

In summary, the major funding requests for FY 23 from CYC and Transfers to CNR are as follows:

- Funding for the acquisition and implementation of a new sewer use, sewer and water assessments, and sewer connection fees billing software necessary in order to meet financial and statutory requirements, as well as implement some conveniences' to our customers. Total - \$130,000 from CYC.
- Initiate a five-year funding schedule for infrastructure improvements associated with the need to increase the water pressure at the Gallows Lane/Bloomington Rd. area. \$440K/yr. for the next five years. Total \$2.2M from Transfers to CNR
- Initiate a multi-years funding schedule and program for the replacement of plastic [water] services. This will be in conjunction with the DPW roads improvement program. Schedule - \$100/yr. from CYC for the next five years and beyond (if necessary) until all the plastic services in Waterford are replaced.
- Construction of a, much needed, small storage metal building for the WUC to be located on Municipal Complex grounds. Estimated - \$90K from CYC
- Continue on-going roof, siding, and driveways replacement program. \$50K from CYC.
- As recommended under the FY21 CIP process, the appropriation of \$185,000 for equipment necessary to enhance, as well as reduce cost associated with various Utility Commission field operation and maintenance activities. After a more in-depth analysis on how to maximize the \$185K acquisition power, the following items are

recommended for purchasing: mini-excavator (\$65,460), mini-excavator options (\$23,296), skid steer (\$65,547), manhole saw cutter (\$29,575), 5,500 lb. cap forks (\$1,122). Additional mini-excavator options can be purchased in the future within our operating budget, as needed. No trailer needed. DPW has trailers. This equipment will be used for field operations such as the repair of sewer lines, the clearing for accessibility of the many miles of cross-country easements, and for the distribution of materials during excavation and other activities. This equipment will also be used to conduct repairs and adjust manholes, as needed. Total - \$185K from CYC.

If there are any questions, please do not hesitate to contact this office.

Respectfully Submitted for Your Consideration,

A handwritten signature in black ink, appearing to read 'Neftali Soto', with a stylized flourish at the end.

Neftali Soto, P.E.
Chief Engineer

encl;

Cc: Utility Commission
Ms. Kimberly Allen - Finance Director

TOWN OF WATERFORD
CAPITAL IMPROVEMENT PLAN
PROJECT CONSOLIDATION FORM - FY 2023-2027

DEPARTMENT/AGENCY:		Utility Commission						
DEPT PRIORITY	PROJECT NAME	FUNDING SOURCE	FISCAL YEAR 2022-2023	FISCAL YEAR 2023-2024	FISCAL YEAR 2024-2025	FISCAL YEAR 2025-2026	FISCAL YEAR 2026-2027	TOTAL

	WW INFRASTRUCTURE PROJECTS							
1	Sewer Use/Assess./Conn. Fees Billing Software	1	\$ 130,000	\$ -	\$ -	\$ -	\$ -	\$ 130,000
2	Bloomington Rd. - Water pressure Improvements	3	\$ 440,000	\$ 440,000	\$ 440,000	\$ 440,000	\$ 440,000	\$ 2,200,000
3	Water Distr. - Plastic Services Replacement	1	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000
4	Small Metal Building for equip. and material storage	1	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ 90,000
5	Driveway, siding, & roof replmnt. at Pump Stations	1	\$ 50,000	\$ 50,000	\$ 25,000	\$ -	\$ -	\$ 125,000
6	Gorman-Rupp 4 PS - Retrofit of Control Panels	1	\$ -	\$ 30,000	\$ 30,000	\$ -	\$ -	\$ 60,000
7	Crystal Mall PS - Main & Emergency Power	3	\$ -	\$ 225,000	\$ -	\$ -	\$ -	\$ 225,000
8	Replace Marilyn Rd, Wiemes Ct. Ejectors	3	\$ -	\$ 475,000	\$ -	\$ 500,000	\$ -	\$ 975,000
9	Stoney Brook PS Partial Upgrade	3	\$ -	\$ -	\$ 511,000	\$ -	\$ -	\$ 511,000
10	Partial Upgrade Remaining 17 Pump Stations	3	\$ -	\$ -	\$ 200,000	\$ 200,000	\$ 200,000	\$ 600,000
11	Inflow and Infiltration Mitigation & Control	3	\$ -	\$ 350,000		\$ -	\$ 275,000	\$ 625,000
12	Future SSES/CMOM	2	\$ 33,000	\$ 33,000	\$ 33,000	\$ 33,000	\$ 33,000	\$ 165,000
Commitment	NLWWTP Sludge Storage tanks	2	\$ 46,000	\$ 46,000	\$ 46,000	\$ 46,000	\$ 46,000	\$ 230,000
13	Grinder Pumps Replacement	2	\$ 32,000	\$ 33,000	\$ 34,000	\$ 35,000	\$ 36,000	\$ 170,000
14	Pleasure Beach Water Lines Replacement	3	\$ -	\$ -	\$ -	\$ 175,000	\$ 400,000	\$ 575,000
15	Barlett Corner PS Decommission	3	\$ -	\$ -	\$ -	\$ 60,000	\$ -	\$ 60,000
	TOTALS		\$ 921,000	\$ 1,782,000	\$ 1,419,000	\$ 1,589,000	\$ 1,530,000	\$ 7,241,000

INDEX TO FUNDING SOURCES

(1) CURRENT YEAR CAPITAL IMPROVEMENTS
(2) UTILITY BUDGET/SEWER CAPITAL MAINTENANCE FUND
(3) TRANSFER TO CAPITAL & NON RECURRING
(4) SHORT AND LONG TERM DEBT FINANCING

(5) LoCIP
(6) CNR UNDESIGNATED FUND BALANCE
(7) FEDERAL/STATE GRANTS
(8) OTHER FUNDING

Town of Waterford

Utility Commission



Capital Improvements Plan

FY 2023 to FY 2027

**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY <u>Utility Commission</u>	CONTACT PERSON <u>Neftali Soto - Chief Engineer</u>
PROJECT NAME <u>Sewer Use/Assmts/Conn. Fees Billing Software</u>	DEPARTMENT PRIORITY <u>1</u>

1	DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project) The intend of this project is to acquire and implement a new billing software that will process sewer use, assessments, connection fees, and other charges associated with the financial operations of the Utility Commission. It is our goal to have this platform compatible with the Town financial software, the assessors' software, and other departments that provide data/information vital to the Utility Commission regarding property owners, permits, etc. Our current software has been very useful; however, the need to migrate to a different software is being triggered by the interpretation of statutes regarding the application of partial payments to delinquent accounts. We have been advised for the application of such partial payments to be according to such statutes interpretation. Please note that other Connecticut communities have interpreted the statutes similar to our current interpretation, and use the same software we do. At Counsel's advise, we are applying the statutes according to the local tax collector's office interpretation. It is also our goal to be able to accept credit cards payments at the window at the Municipal Complex. We currently, accept payments as follows: via USPS, at the window at the Utility Commission offices, via electronic checks, and [credit cards] via online payments portal. Customers can also pay at the Tax Collector's office; however, checks only and the posting is done at the WUC offices.																																																																						
2	PROJECT STATUS IF IN PROGRESS Evaluation of software this past year. Once our finance department's software is upgraded to the satisfaction of the Director, the WUC will proceed with the migration.																																																																						
3	LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST Working with Finance Director regarding implementation.																																																																						
4	DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable) None at this time. Maintenance annual expenses for this software will be funded under the Wastewater Enterprise Fund.																																																																						
5	GRANT FUNDING/OTHER FUNDING, if applicable (detailed explanation of grant/other funding, including the amount, source of funding, status, town match, if any. Attach award letter if available) None known.																																																																						
6	ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION																																																																						
7	COST/FUNDING SOURCE																																																																						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">FUNDING SOURCE</th> <th style="width: 10%;">APPROVED FUNDING TO DATE</th> <th style="width: 10%;">FY2023</th> <th style="width: 10%;">FY2024</th> <th style="width: 10%;">FY2025</th> <th style="width: 10%;">FY2026</th> <th style="width: 10%;">FY2027</th> </tr> </thead> <tbody> <tr> <td>1 Current Year Capital</td> <td>\$ -</td> <td>\$ 130,000</td> <td>\$ -</td> <td>\$ -</td> <td></td> <td></td> </tr> <tr> <td>2 Utility Budget/Sewer Cap Maint Fund</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3 Transfer to CNR</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4 Short/Long-term Bonds</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5 LoCIP (detail in section 5 above)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6 CNR Undesignated Fund Balance</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7 Federal/State Grants (detail in section 5)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>8 Other (detail in section 5 above)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TOTALS</td> <td>\$ -</td> <td>\$ 130,000</td> <td>\$ -</td> <td>\$ -</td> <td>\$ -</td> <td>\$ -</td> </tr> </tbody> </table>	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2023	FY2024	FY2025	FY2026	FY2027	1 Current Year Capital	\$ -	\$ 130,000	\$ -	\$ -			2 Utility Budget/Sewer Cap Maint Fund							3 Transfer to CNR							4 Short/Long-term Bonds							5 LoCIP (detail in section 5 above)							6 CNR Undesignated Fund Balance							7 Federal/State Grants (detail in section 5)							8 Other (detail in section 5 above)							TOTALS	\$ -	\$ 130,000	\$ -	\$ -	\$ -	\$ -
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Neftali Soto

From: Flaherty, Eddie <Eddie.Flaherty@tylertech.com>
Sent: Tuesday, November 2, 2021 10:56 AM
To: Neftali Soto
Cc: Kimberly Allen; Jeffrey Robillard; Fred Lathrop; Celeste Bushway; Diane Driscoll; Amy Windle; Jim Bartelli
Subject: RE: Munis Utility Billing Follow Up
Attachments: Quote- UBCIS 110221.pdf

CAUTION: This email originated from outside of the organization.

Do not click links or open attachments unless you recognize the sender's email address and know the content is safe.

Hi Neftali,

Good to hear from you and hope all is well!

Sorry for a bit of a delay on my part, I was away on vacation and just got back last night. All of the flyers you have are still up to date. I have attached a new updated quote for UBCIS. I noticed on the original quote I had accidentally duplicated a line item which led to an extra \$1,733 on annual costs. The only other change is have changed our Implementation pricing. There is now a difference between onsite and remote training sessions. I have updated the Implementation costs to represent this change.

I am also happy to schedule a demo on site in the late Winter or early spring. Let me know what potential dates you were thinking or would work for you and I can get it scheduled.

Please let me know if you have any questions at all.

Thanks, Eddie

Eddie Flaherty

Account Representative

P: 800.772.2260 ext:4818

www.tylertech.com

From: Neftali Soto <nsoto@waterfordct.org>

Sent: Friday, October 29, 2021 11:27 AM

To: Flaherty, Eddie <Eddie.Flaherty@tylertech.com>

Cc: Kimberly Allen <kallen@waterfordct.org>; Jeffrey Robillard <jrobillard@waterfordct.org>; Fred Lathrop <flathrop@waterfordct.org>; Celeste Bushway <cbushway@waterfordct.org>; Diane Driscoll <ddriscoll@waterfordct.org>; Amy Windle <AWindle@waterfordct.org>; Jim Bartelli <jbartelli@waterfordct.org>; DePree, Justin <Justin.DePree@tylertech.com>

Subject: RE: Munis Utility Billing Follow Up

Hi, Eddie.

The Town of Waterford is working on its Capital Improvements Plan for FY23, which starts July 1, 2022. I have to submit the plan within the next week. ASAP, I need updated quotes and, if applicable, updated versions of the attached flyers. Also, as a heads-up, our staff would like to have, at least, one more [this time in-person] presentation late Winter or early Spring. Our IT Manager, as well as other stakeholders, will also be participating in the presentation.

Thank you.

Neftali

From: Flaherty, Eddie <Eddie.Flaherty@tylertech.com>

Sent: Tuesday, April 20, 2021 10:57 AM

To: Neftali Soto <nsoto@waterfordct.org>; Fred Lathrop <flathrop@waterfordct.org>; Celeste Bushway <cbushway@waterfordct.org>; Diane Driscoll <ddriscoll@waterfordct.org>; Amy Windle <AWindle@waterfordct.org>

Subject: Munis Utility Billing Follow Up

CAUTION: This email originated from outside of the organization.

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Hi All,

I wanted to follow up from yesterday's Demo. I think yesterday provided a great opportunity for you all to ask your questions and get that second more in depth look at our UBCIS Solution. If you would like to have a follow up call with me, I am happy to do so.

Justin should be sending along the recording of the Demo today if he has not already.

I am reattaching the quote that I sent last month.

Keep in mind on that quote- page 4 has Tyler Cashiering and Tyler Payments as Optional. Based on yesterday's conversation I think both should be included. I have attached product sheets on both just to have some documentation. Remember that Cashiering is the ability to take over the counter payment. Tyler Payment is the cloud-based payment solution to accept and process payment which integrates directly into Munis.

The cost of Tyler Cashiering is listed in the quote. For Tyler Payments, there is no ZERO upfront cost and it is free to implement. We would setup a meeting and calculate the fee per transaction which is how we make our profit on it. Tyler Payments is new but has been HUGELY well received by clients and eliminates the need for any third-party integration.

If we were to proceed with Utility Billing purchase, we should have a call with Kim Allen in Finance to discuss a timeline of projects and upgrading Munis to ensure everything is phased in a manner that will be most efficient to all!

Thank you and look forward to hearing from you all.

Eddie

Eddie Flaherty

Account Representative
Tyler Technologies, Inc.

P: 800.772.2260 ext:4818

www.tylertech.com



Empowering people who serve the public®



Quoted By: Eddie Flaherty
 Quote Expiration: 05/01/22
 Quote Name: Town of Waterford - ERP - UBCIS
 Quote Description: UBCIS

Sales Quotation For:

Town of Waterford
 15 Rope Ferry Rd
 Waterford CT 06385-2202
 Phone: +1 (860) 444-5840

Tyler Software and Related Services

Description	Qty	License	Hours	Module Total	Year One Maintenance
Revenue Management					
UB Interface	1	\$ 4,400	16	\$ 4,400	\$ 792
UB Special Assessments	1	\$ 6,000	56	\$ 6,000	\$ 1,080
Utility Billing CIS	1	\$ 21,500	128	\$ 21,500	\$ 3,870
Civic Services					
Citizen Self Service	1	\$ 6,600	32	\$ 6,600	\$ 1,188
TOTAL		\$ 38,500	232	\$ 38,500	\$ 6,930

Tyler Annual and Related Services

Description	QTY	Imp. Hours	Annual Fee
Recurring Services			
Tyler System Management Services Contract	1	0	\$ 1,733
TOTAL:		0	\$ 1,733

Professional Services

Description	Quantity	Unit Price	Extended Price	Maintenance
Project Management	32	\$ 185	\$ 5,920	\$ 0
Self-Service Installation Fee - Client Hosted (Existing Customers)	1	\$ 1,500	\$ 1,500	\$ 0
Conversions			\$ 29,200	\$ 0
Onsite Implementation	60	\$ 210	\$ 12,600	\$ 0
Remote Implementation	172	\$ 185	\$ 31,820	\$ 0
TOTAL			\$ 81,040	\$ 0

Summary	One Time Fees	Recurring Fees
Total Tyler Software	\$ 38,500	\$ 6,930
Total Annual	\$ 0	\$ 1,733
Total Tyler Services	\$ 81,040	\$ 0
Total Third-Party Hardware, Software, Services	\$ 0	\$ 0
Summary Total	\$ 119,540	\$ 8,663
Contract Total	\$ 128,203	

Unless otherwise indicated in the contract or amendment thereto, pricing for optional items will be held
For six (6) months from the Quote date or the Effective Date of the Contract, whichever is later.

Customer Approval: _____ Date: _____

Print Name: _____ P.O.#: _____

All Primary values quoted in US Dollars

Detailed Breakdown of Conversions (Included in Summary Total)

Description	Qty	Unit Price	Unit Discount	Extended Price
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Document Management				
TCM SE - Utility Billing - - Backflow	1	\$ 1,000	\$ 0	\$ 1,000
TCM SE - Utility Billing - Standard - UB Account CIDs	1	\$ 1,000	\$ 0	\$ 1,000
Utility Billing				
Utility Billing - Assessments	1	\$ 1,200	\$ 0	\$ 1,200
Utility Billing - Backflow	1	\$ 1,200	\$ 0	\$ 1,200
Utility Billing - Balance Forward AR	1	\$ 5,600	\$ 0	\$ 5,600
Utility Billing - Budget Billing	1	\$ 3,600	\$ 0	\$ 3,600
Utility Billing - Consumption History up to 5 years	1	\$ 2,000	\$ 0	\$ 2,000
Utility Billing - Flat Inventory/Containers	1	\$ 3,600	\$ 0	\$ 3,600
Utility Billing - Service Orders	1	\$ 2,300	\$ 0	\$ 2,300
Utility Billing - Services	1	\$ 3,600	\$ 0	\$ 3,600
Utility Billing - Standard	1	\$ 4,100	\$ 0	\$ 4,100
TOTAL				\$ 29,200

Comments

Client agrees that items in this sales quotation are, upon Client's signature or approval of same, hereby added to the existing agreement ("Agreement") between the parties and subject to its terms. Additionally, payment for said items, as applicable but subject to any listed assumptions herein, shall conform to the following terms:

- License fees for Tyler and third party software are invoiced upon the earlier of (i) deliver of the license key or (ii) when Tyler makes such software available for download by the Client;
- Fees for hardware are invoiced upon delivery;
- Fees for year one of hardware maintenance are invoiced upon delivery of the hardware;
- Annual Maintenance and Support fees, SaaS fees, Hosting fees, and Subscription fees are first payable when Tyler makes the software available for download by the Client (for Maintenance) or on the first day of the month following the date this quotation was signed (for SaaS, Hosting, and Subscription), and any such fees are prorated to align with the applicable term under the Agreement, with renewals invoiced annually thereafter in accord with the Agreement.
- Fees for services included in this sales quotation shall be invoiced as indicated below.
 - Implementation and other professional services fees shall be invoiced as delivered.
 - Fixed-fee Business Process Consulting services shall be invoiced 50% upon delivery of the Best Practice Recommendations, by module, and 50% upon delivery of custom desktop procedures, by module.
 - Fixed-fee conversions are invoiced 50% upon initial delivery of the converted data, by conversion option, and 50% upon Client acceptance to load the converted data into Live/Production environment, by conversion option. Where conversions are quoted as estimated, Tyler will invoice Client the actual services delivered on a time and materials basis.
 - Except as otherwise provided, other fixed price services are invoiced upon complete delivery of the service. For the avoidance of doubt, where "Project Planning Services" are provided, payment shall be invoiced upon delivery of the Implementation Planning document. Dedicated Project Management services, if any, will be invoiced monthly in arrears, beginning on the first day of the month immediately following initiation of project planning.
 - If Client has purchased any change management services, those services will be invoiced in accordance with the Agreement.
 - Notwithstanding anything to the contrary stated above, the following payment terms shall apply to services fees specifically for migrations: Tyler will invoice Client 50% of any Migration Fees listed above upon Client approval of the product suite migration schedule. The remaining 50%, by line item, will be billed upon the go-live of the applicable product suite. Tyler will invoice Client for any Project Management Fees listed above upon the go-live of the first product suite. Unless otherwise indicated on this Sales quotation, annual services will be invoiced in advance, for annual terms commencing on the date this sales quotation is signed by the Client. If listed annual service(s) is an addition to the same service presently existing under the Agreement, the first term of the added annual service will be prorated to expire coterminous with the existing annual term for the service, with renewals to occur as indicated in the Agreement.
- Expenses associated with onsite services are invoiced as incurred.

Tyler's quote contains estimates of the amount of services needed, based on our preliminary understanding of the scope, level of engagement, and timeline as defined in the Statement of Work (SOW) for your project. The actual amount of services required may vary, based on these factors.

Tyler's pricing is based on the scope of proposed products and services contracted from Tyler. Should portions of the scope of products or services be altered by the Client, Tyler reserves the right to adjust prices for the remaining scope accordingly.

Unless otherwise noted, prices submitted in the quote do not include travel expenses incurred in accordance with Tyler's then-current Business Travel Policy.

Tyler's prices do not include applicable local, city or federal sales, use excise, personal property or other similar taxes or duties, which you are responsible for determining and remitting. Installations are completed remotely but can be done onsite upon request at an additional cost.

In the event Client cancels services less than two (2) weeks in advance, Client is liable to Tyler for (i) all non-refundable expenses incurred by Tyler on Client's behalf; and (ii) daily fees associated with the cancelled services if Tyler is unable to re-assign its personnel.

Implementation hours are scheduled and delivered in four (4) or eight (8) hour increments.

Tyler provides onsite training for a maximum of 12 people per class. In the event that more than 12 users wish to participate in a training class or more than one occurrence of a class is needed, Tyler will either provide additional days at then-current rates for training or Tyler will utilize a Train-the-Trainer approach whereby the client designated attendees of the initial training can thereafter train the remaining users.

Standard Project Management responsibilities include project plan creation, initial stakeholder presentation, bi-weekly status calls, updating of project plan task statuses, and go-live planning activities.

Tyler System Management Services is calculated at 25% of the Munis annual maintenance. There is a \$2,500 minimum annual fee. Systems Management Services are invoiced when you sign this sales quotation and are provided in accordance with the terms of service for Tyler Systems Management found here: <https://www.tylertech.com/terms/tyler-systems-management-terms-of-service>.

Utility billing library includes: standard Utility bill, standard UB receipt, standard UB delinquent notice, standard door hanger and standard final utility bill.



Munis

Tyler Payments

A single source for all of your payment processing needs.

Tyler Payments™ for Munis® is a public-facing, cloud-based payment solution that makes it easy for public sector agencies that depend on Munis for revenue management to accept online and over-the-counter payments for bills, fees, tickets, and fines. It integrates seamlessly with Munis to handle the complexity of payment processing without the need for third-party payment providers.

- Tyler Technologies is a registered merchant service provider (MSP) that is equipped to handle all aspects of the payment process, reducing the number of entities required to handle citizens' sensitive information.
- Tyler Payments has a flexible fee structure with no subscription or licensing costs, meaning you can provide predictable rates for your online payers – whether you pass the fees along or absorb them.

TYLER INTEGRATIONS

- Munis Citizen Self Service
- Tyler Cashiering

MAXIMIZE ELECTRONIC PAYMENT ADOPTION

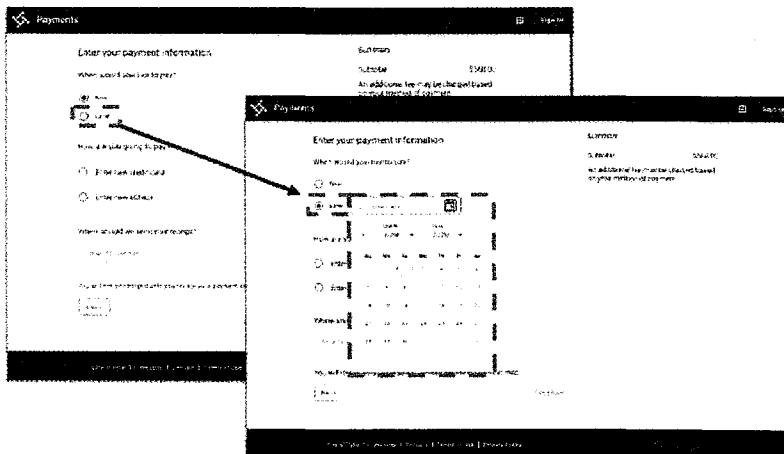
Tyler Payments is a tightly integrated, secure payment platform for online payments. Munis users may maximize electronic payment adoption with the following features:

- A secure payment platform, compliant with PCI/PA-DSS standards
- Real-time payment processing that reflects updates to payer account balances immediately, eliminating the “pending web payment” status on accounts
- Payer ability to set recurring payments and schedule payments for a future date
- Acceptance of various payment methods, including ApplePay®, credit cards, and eChecks
- Ability to make payments from any device, anywhere, any time of day

BENEFITS FOR BILLERS

- Maintain only one vendor relationship. Tyler supports all aspects of the payment process, including onboarding, payment support, reconciliation, and hardware
- Enjoy better oversight. Easily review payment details with administrative transaction and reconciliation tools
- Save money. Tyler will match — or beat — your current payment provider's rates

Let us handle all aspects of your payment processing.



Munis Utility Billing CIS



FLEXIBLE AND CONFIGURABLE

Customized system that meets your needs without the need for custom programming



CUSTOMER FOCUSED

Focused on your customer's needs with the tools that you need to serve them, including a 360° view of all important customer and account information



INTEGRATIONS

Tyler EAM, Tyler 311, Tyler Cashiering, Tyler Hub, Tyler Content Manager, Tyler Notify, Munis General Ledger

Tyler's Munis® Utility Billing Customer Information System (CIS) helps you manage all aspects of your utility. Not only does it perform tasks quickly and accurately, but it is designed to adapt to your changing needs as you grow and technology changes. Munis Utility Billing CIS enhances your daily experience through configurable business rules, powerful functionality, and a focus on product usability. With a customer-focused design, Munis Utility Billing CIS provides the services that your citizens demand and functionality you need to operate your utility.

FLEXIBLE AND CONFIGURABLE

By configuring Munis Utility Billing CIS to your business rules, terminology, and approach, you get a customized system that meets your needs without the need for custom programming:

- Define account numbering structure, create codes, and determine field labels
- Customize the system to meet your unique needs with unlimited user-defined fields
- Easily manage change with mass account updates and mass service creation functions
- Manage accounts and customers easily through guided processes for creating new accounts and moving customers in and out
- Pinpoint the records you need with powerful search functionality

CUSTOMER FOCUSED

Focus on your customer's needs with tools you need to serve them:

- Central programs display a 360° view of all important customer and account information

- Access information about current and past customers within the same program and report
- Utilize IVR functionality to communicate with your customer via phone, email, or text
- Allow customers to manage all aspects of their utility account through an integrated web portal where they can view, reprint, and pay bills, as well as request services and make changes

BILLING AND COLLECTIONS

Produce accurate bills with little manual intervention, making this critical process simple and routine. By scheduling all delinquent processing steps to run automatically, your utility can let your business rules and procedures do the work for you:

- Manage multiple active billing cycles across your utility via an optional integrated cycle calendar
- Supports electric billing functionality such as demand, KVAR, and KWH
- Compatible with most third party meter reading data for file import and export

...continued on back

- Exception flagging is automated and based on *your settings and business rules*
- Provides bill services at different frequencies and on the same statement
- Accommodate all your charges and services with flexible rate set-up for consumption, flat, based on other, assessment, sales tax, final, and miscellaneous billing
- Perform winter averaging for sewer billing
- Define rate adjustments for cost of gas and purchase power agreements
- Email or print and fax bills, perform postal resort, CASS certification, and create PDF bill images
- Automatically send delinquent notices, apply late fees, and run the shut off list at the time of your choosing
- Transfer balances to the tax bills, send customers to collections, or lien their account

METER AND WORK MANAGEMENT

Integrated programs provide access to critical meter and consumption information throughout the system. Work orders provide access to this data as well as property, customer, service, and work details:

- Track meter data and attributes in one location
- Use a calendar to view and assign work orders for a day, week, or month by location, job type, status, work group, etc.
- Work order completion automates important actions using a guided process, including meter exchanges, posted readings, account updates, and status changes
- View work order locations and meter assets on a map using Tyler GIS
- Manager work orders in the field using the Field Sheet Mobile App
- Track time, resources, and tasks via an optional work orders, fleet and facilities integration

REPORTING AND DOCUMENT MANAGEMENT

Access a comprehensive package of business analytics, reporting options, content management, and integrations to meet your needs:

- Access critical information easily with hundreds of user-defined reports
- Powerful and configurable Tyler Hub dashboard for quick views, reporting, and analytics
- Create custom reports with SSRS and Munis data views
- Microsoft Excel® data cubes provide consumption information with built-in analytic tools and pivot tables
- Generate letters, notices, contracts, and labels to manage customer communication through Microsoft Office® integration
- Tyler's content management solution automatically links system outputs to the appropriate record

ASSESSMENT BILLING

Utilize the ability to bill for special assessments that are associated with improvements, capital charges, or other loan-based agreements:

- Invoice entire principal amount on a future-dated bill and generate installments bills from it, allowing for off-schedule payments and easy payoff of the assessment
- Flexibility to generate your installment billing schedule based on a fixed bill amount, total number of payments, and more
- Citizen access to assessment details, including unbilled balance, payoff amount, and remaining amortization schedule
- Generate monthly statements for annual assessments
- Leverage many of the same flexible, customer-focused features including billing and collections and document management

**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY Utility Commission		CONTACT PERSON Neftali Soto - Chief Engineer	
PROJECT NAME Bloomingdale Rd. Area - Water Press. Improvements		DEPARTMENT PRIORITY 2	
1	DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project) The purpose of this request is to initiate and develop a multi-year schedule to secure the funding for the necessary water pressure improvements at the Bloomingdale Rd./Gallup Lane area. The water pressure at the area adjacent to the intersection of Gallows Lane and Bloomingdale Road is below the 25 psi minimum limit required by the State of Connecticut Department of Public Health Services (CTDHPS). This condition has the following effects: (1) water pressure [and available supply] may not be sufficient in the event of a large fire, (2) ISO rating may be affected by this condition, (3) the supply reliability may be questionable, (4) increases the risk of back-siphoning, (5) may affect water quality. CTDHPS has made Waterford aware of this condition and requested for Waterford to address the issue. In 2008, a program was implemented to provide individual (residential) water pressure booster pumps to those [35] properties that had low water pressure. Some owners accepted the Town's offer to install the pumps, some did not. Besides improving the water pressure at the area, the proposed infrastructure improvements will create the conditions to, if necessary, extend the water supply infrastructure to the north of 77 Bloomingdale Rd. This will allow for properties along the way to connect to the [more reliable] public water supply, and to have more reliable fire protection.		
2	PROJECT STATUS IF IN PROGRESS Preliminary evaluation.		
3	LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST Planning Dept. (CGS 8-24 report), Wetlands permit, DPW may need to repave road.		
4	DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable) None. Water provided by New London.		
5	GRANT FUNDING/OTHER FUNDING, if applicable (detailed explanation of grant/other funding, including the amount, source of funding, status, town match, if any. Attach award letter if available) None known. CWSRF loans may be available. This funding could be pursued once approval to proceed is secured.		
6	ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION		
7	COST/FUNDING SOURCE		
	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2023 FY2024 FY2025 FY2026 FY2027
1	Current Year Capital	\$ -	\$ - \$ - \$ - \$ -
2	Utility Budget/Sewer Cap Maint Fund		
3	Transfer to CNR	\$ 440,000	\$ 440,000 \$ 440,000 \$ 440,000 \$ 440,000
4	Short/Long-term Bonds		
5	LoCIP (detail in section 5 above)		
6	CNR Undesignated Fund Balance		
7	Federal/State Grants (detail in section 5)		
8	Other (detail in section 5 above)		
	TOTALS	\$ - \$ 440,000	\$ 440,000 \$ 440,000 \$ 440,000 \$ 440,000 \$ 440,000

Neftali Soto

From: Jim Ericson <ericson@lenard-eng.com>
Sent: Tuesday, October 26, 2021 2:26 PM
To: Neftali Soto
Subject: Bloomingdale Road Water Pressure Improvements Updated Costs
Attachments: Bloomingdale Road Figures 10-26-21.pdf; Bloomingdale Road Pressure Improvements 10-26-21.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

CAUTION: This email originated from outside of the organization.

Do not click links or open attachments unless you recognize the sender's email address and know the content is safe.

Tali- As requested, I have updated the project cost estimates, to provide enhanced water pressure for 40 to 140 additional properties located on Bloomingdale Road.

I have attached the previous figures, as they tell a story of which homes have sub-standard pressure (40 homes with pressures at or below 25 psi). The four options follow the project area map.

Here is a summary table with the cost of each option:

Option	Description	# of Houses Served	Cost	Comment
1A	New Pump Station near Gallows Tank, 2700 LF of new 8" water main	40	\$ 2.01 million	Ongoing O& M costs for pump station
1B	New Pump Station near Gallows Tank, 7100 LF of new 8" water main	140	\$ 4.41 million	Ongoing O& M costs for pump station
2A	5900 LF of new 8" and 12" water main, extended from High Service Area	40	\$ 2.09 million	Minimal O& M costs, wetlands impacts
2B	11500 LF of new 8" and 12" water main, extended from High Service Area	140	\$ 4.81 million	Minimal O& M Cost, wetlands impacts

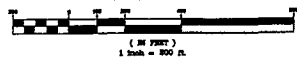
As seen above, serving the 40 homes with sub-standard water pressure through either option 1A or 1B is a \$2 million project, and expanding it to serve further south on Bloomingdale increases the price to between \$ 4.4 - \$ 4.8 million.

The main drawback of the pump station option are the ongoing O&M costs for the pump station operation, while the major negative with extending the high service water main are the wetland impacts.

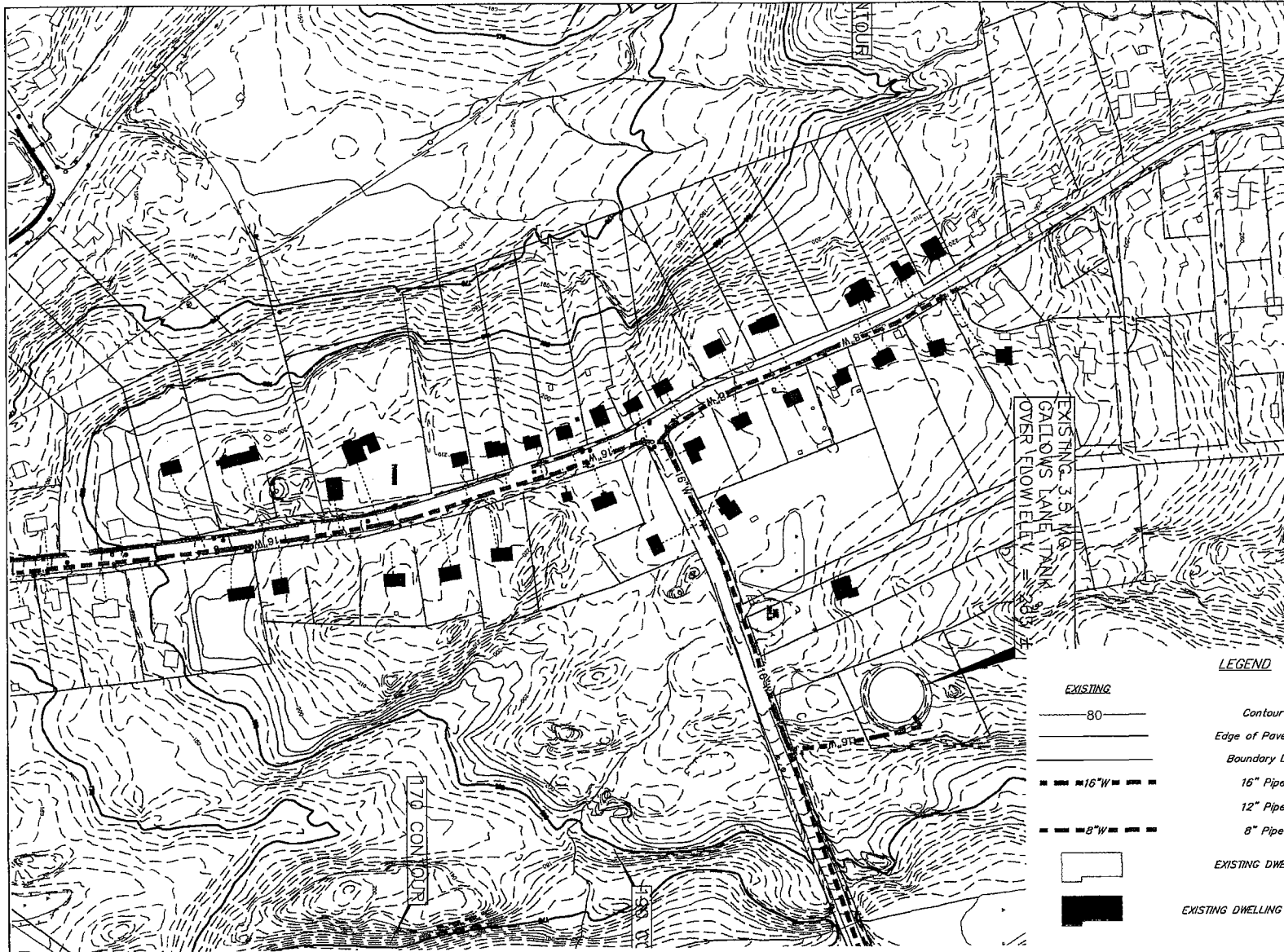
Feel free to contact me with any questions.

Jim Ericson, PE
Vice President
Lenard Engineering, Inc.
2210 Main Street
P.O. Box 1088
Glastonbury, CT 06033
Tel: (860) 659-3100 EXT. 121
Fax: (860) 659-3103

Please check out our updated company website at: www.lenard-eng.com



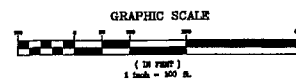
 Lenard Engineering, Inc. CIVIL, ENVIRONMENTAL AND HYDROLOGICAL CONSULTANTS 1000 WEST 1000 NORTH STURM, CT 06422 (860) 374-0668 (860) 374-0669	WATER DISTRIBUTION MAP PREPARED FOR TOWN OF WATERFORD INTERSECTION OF BLOOMINGDALE & GALLONS WATERFORD, CONNECTICUT		Drawing date 3/10/03	Drawing Scale 1" = 200'	Designed By J.E.
	Drawing #: 2		Job #: 05-154	Drawn By J.E.	Checked By J.E.



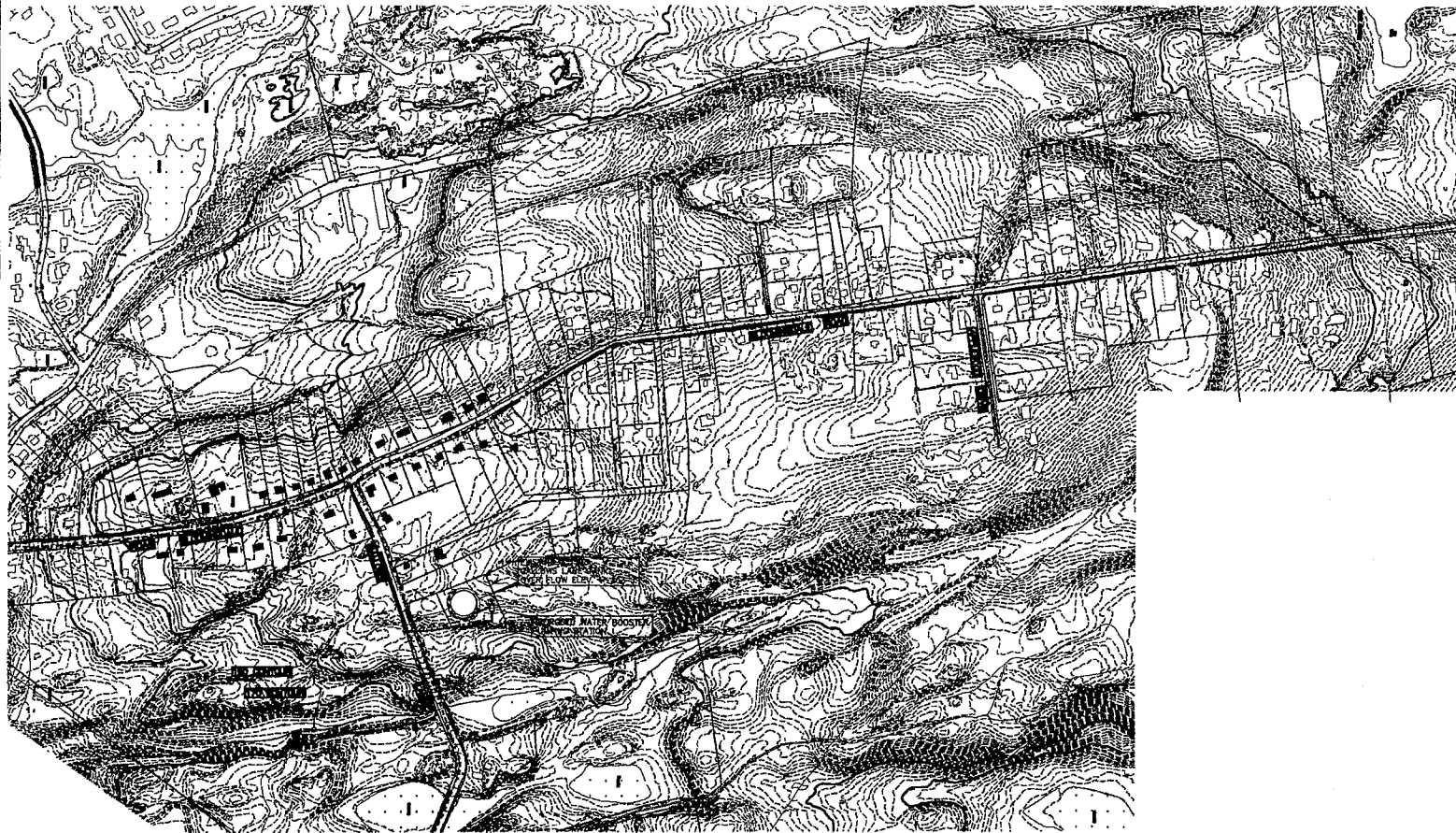
EXISTING 3.5 MG
GALLOWS LANE TANK
OVER FLOW ELEV. = 93.5'

LEGEND

- | | |
|-----------------|------------------------------|
| EXISTING | PROPOSED |
| — 80 — | Contour |
| — — — | Edge of Pavement |
| — — — | Boundary Line |
| — 16" W — | 16" Pipe |
| — 12" W — | 12" Pipe |
| — 8" W — | 8" Pipe |
| [Outline] | EXISTING DWELLING |
| [Solid Black] | EXISTING DWELLING P ≤ 25 psi |



Lenard Engineering, Inc. CIVIL, ENVIRONMENTAL AND HYDROLOGICAL CONSULTANTS 100 HARTFORD AVENUE SUITE 200 WATERBURY, CT 06801-4295 (860) 429-5100		WATER MAIN SERVICE LOCATIONS ≤ 25 PSI PREPARED FOR TOWN OF WATERFORD BLOOMINGDALE RD / GALLOWS LANE WATERFORD, CONNECTICUT	Drawing # 2
Drawing date 6/06/06	Drawing scale 1" = 100'	Prepared By JAD	Checked By JAD
Date 6/06/06	Revision 1	Drawn By JAD	Checked By JAD
Date 6/06/06	Revision 1	Drawn By JAD	Checked By JAD



EXISTING

80

80

80

80

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80

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80

80

LEGEND

PROPOSED

Contour

Edge of Pavement

Boundary Line

16" Pipe

12" Pipe

8" Pipe

12"

8"

GRAPHIC SCALE

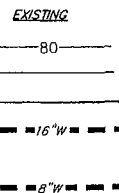
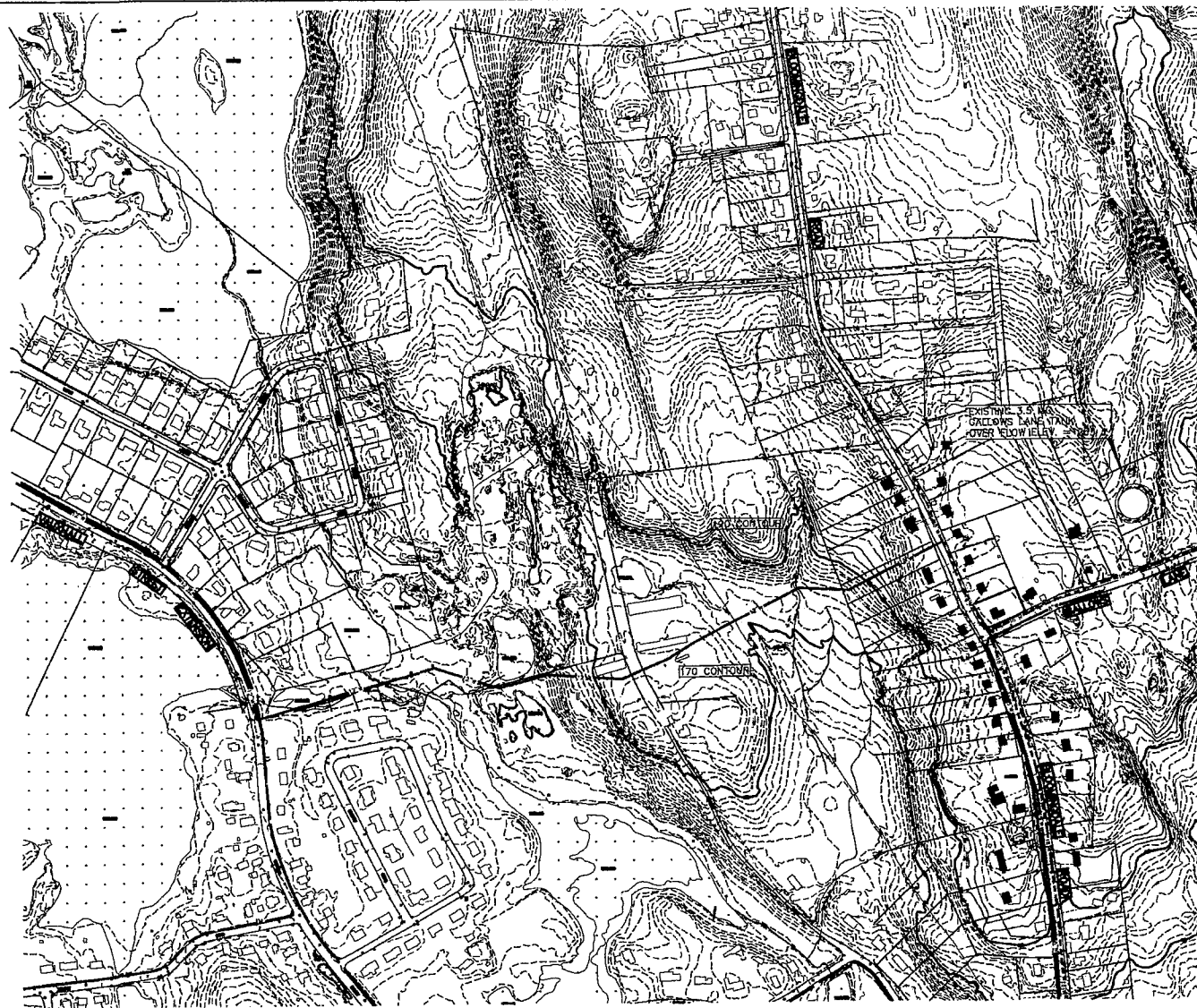


(at 1" = 100')

1 inch = 100 ft.



Lenard Engineering, Inc. CIVIL, ENVIRONMENTAL AND HYDROLOGICAL CONSULTANTS 1405 E. 10th Street Grand Rapids, MI 49506 (616) 771-1700		OPTION-1B PROPOSED 16" PIPE TOWN OF WATERFORD INTERSECTION OF BLOOMINGDALE & GALLOWAY WATERFORD, CONNECTICUT		Drawing #: 6
Job #: 05-354		Date: 3/10/05		Scale: 1" = 250'
Designer By: CC		Checker By: CC		CAD File: 05-354.dwg
Drawn By: CC		Revised By: CC		Date: 3/10/05
Title: 16" PIPE		Description: 16" PIPE		Date: 3/10/05



LEGEND

PROPOSED

Contour

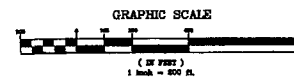
Edge of Pavement

Boundary Line

16" Pipe

12" Pipe

8" Pipe



OPTION-2A PREPARED FOR TOWN OF WATERFORD INTERSECTION OF BLOOMINGDALE & GALLONS WATERFORD, CONNECTICUT		Drawing Scale 1" = 200' Revision By Date	Designed By JE Drawn By CC Checked By JAS Job Title ASST. ENGR.
Lenard Engineering, Inc. CIVIL, ENVIRONMENTAL AND GEOTECHNICAL CONSULTANTS 1400 ELLIOTT ROAD BLOOMINGDALE, CT 06033-3140 (860) 371-6400		Drawing # 7 Job # 05-354	

TABLE 1

PRELIMINARY COST ESTIMATE
 OPTION 1A – CONSTRUCT WATER BOOSTER PUMP STATION AND NEW
 WATER MAINS TO SERVE 40 EXISTING PROPERTIES

1)	Construct Water Pumping Station	600 \$ 300,000
2)	Construct 2700 LF of new 8" high pressure piping	810 \$337,500
	2700 LF @ 125/LF 300/LF	
3)	Install 40 new service connections, Main to curb stop	200,000 \$60,000
	40 @ \$1,500 ea.	
	Sub-total	\$698,000 1,610,000
	Contingency (15%)	\$105,000 240,000
	Design (10%)	<u>\$ 70,000</u> 160,000
		<u>\$873,000</u>
	SAY \$875,000	\$ 2,010,000

TABLE 2

PRELIMINARY COST ESTIMATE
 OPTION 1B – CONSTRUCT WATER BOOSTER PUMP STATION AND NEW
 WATER MAINS TO SERVE EXISTING AND FUTURE 140 PROPERTIES

1) Construct Water Pumping Station	\$ 700,000 \$ 300,000
2) Construct 7100 LF of new 8" high pressure piping 7100 LF @ 125 LF 300	2,130,000 \$ 887,500
3) Install 140 new service connections, from main to curb stop 140 @ \$1,500 ea. 5000	700,000 \$ 210,000
Sub-total	\$1,398,000 3,530,000
Contingency (15%)	\$ 210,000 530,000
Design and Permitting (10%)	\$ 140,000 350,000
	\$1,748,000
Say	\$1,750,000
	<u>\$ 4,410,000</u>

TABLE 3

PRELIMINARY COST ESTIMATE

(REVISED ~~10-18-07~~ 10-26-21)

Option 2A – CONSTRUCT WATER MAIN EXTENSION FROM HIGH SERVICE AREA TO BLOOMINGDALE ROAD TO SERVE EXISTING 40 PROPERTIES.

1)	Construct 1400 LF of new 12" Water main on Vauxhall St. Ext. 1400 LF @ 200 / ³⁰⁰ LF	420 \$280,000
2)	Construct 3000 LF of new 12" water main cross country, from Vauxhall Street Extension to Bloomingdale Road 3000 LF @ 120 / ²⁰⁰ LF	600 \$360,000
3)	Construct 1500 LF of new 8" water main on Bloomingdale Road and Gallows Lane 1500 LF @ 200 / ³⁰⁰ LF	450 \$300,000
4)	Install 40 new water service connections, main to curb stop 40 @ 1500 ea, 5000	200 \$60,000
	Sub-total	1,670,000
	Contingency (15%)	250 \$ 150,000
	Design and Permitting (10%)	170 \$ 100,000
		\$1,250,000
	Say	\$1,250,000
		\$ 2,090,000

TABLE 4

PRELIMINARY COST ESTIMATE

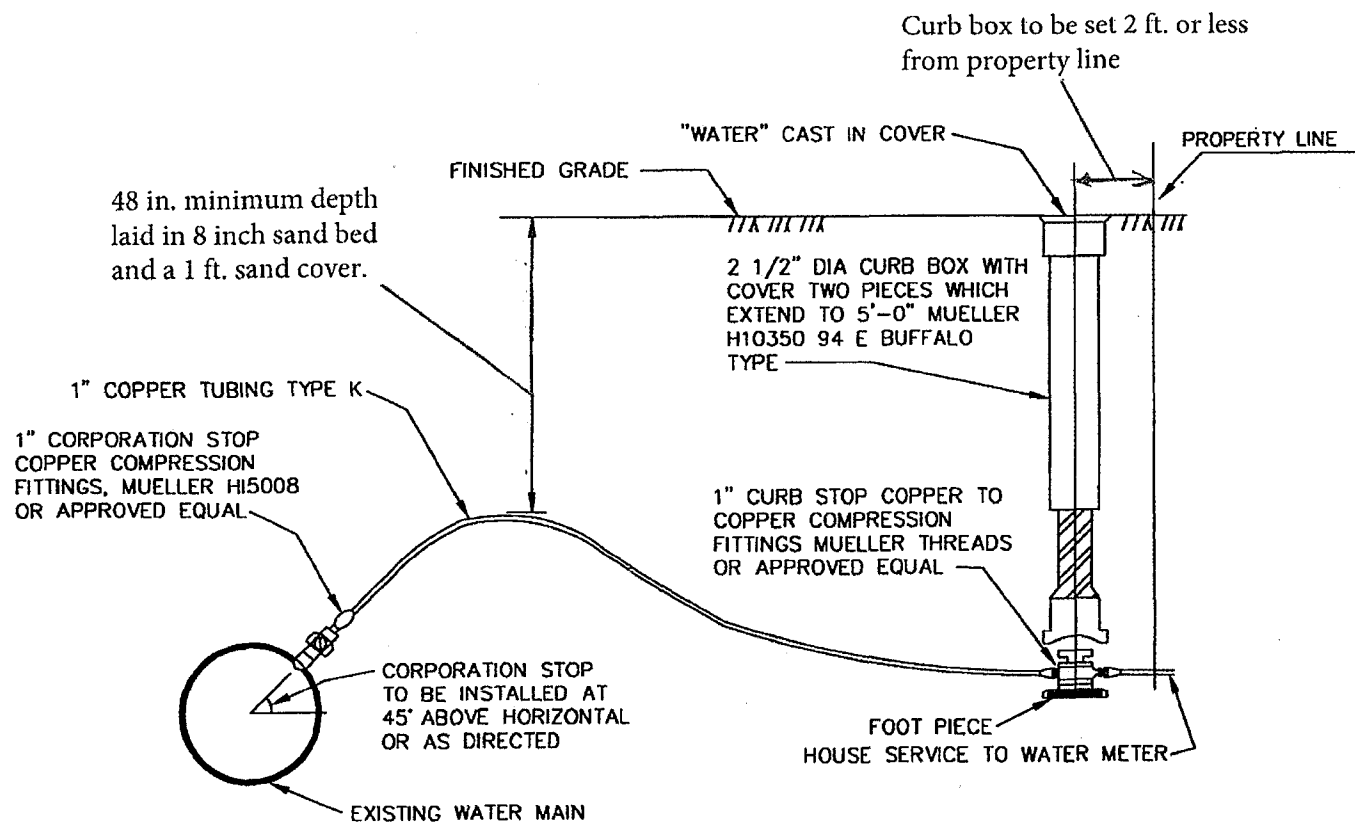
Option 2B – CONSTRUCT WATER MAIN EXTENSION FROM HIGH SERVICE AREA TO SERVE EXISTING AND FUTURE 140 PROPERTIES.

1)	Construct 1400 LF of new 12" Water main on Vauxhall St. Ext. 1400 LF @ 150 /LF 300	420 \$ 210,000
2)	Construct 3000 LF of new 12" water main cross country, from Vauxhall Street Extension to Bloomingdale Road 3000 LF @ 100 /LF 200	600 \$ 300,000
3)	Construct 7100 LF of new 8" high pressure piping 7100 LF @ 125 /LF 300	2,130,000 \$ 888,000
4)	Install 140 new water service connections, from main to curb stop 140 @ 1500 -ea, 5000	700,000 \$ 210,000
	Sub-total	3,850,000
	Contingency (15%)	\$1,008,000
	Design and Permitting (10%)	\$ 241,000 580,
		\$ 161,000 380
		\$2,010,000
		\$ 4,810,000

**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY <u>Utility Commission</u>	CONTACT PERSON <u>Neftali Soto - Chief Engineer</u>
PROJECT NAME <u>Water Plastic Services Replacement</u>	DEPARTMENT PRIORITY <u>3</u>

1	DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project)	The purpose of this request is to initiate and develop a schedule for a multi-year program to secure the funding necessary for the replacement of [water] plastic services in the Town of Waterford. During the early 80s to the early 90s, the use of plastic pipes for water services was allowed and permitted by the City of New London. The majority of these services were installed and are located in Waterford. The useful life of this material is not as prolonged as copper pipe. As we all know, lead pipe is no longer acceptable. The City of New London [our water purveyor] has made us aware of the significant number of pipe failures being experienced through the town. Although, the city's contractor repair the pipes as needed, because of the condition of the pipes, repairs to the same pipe can be expected not long after such initial repair. Not only are these recurring repairs being experienced, but the repair of these services affect the quality of the paved roads where these services are located. This has a significant effect on roads that are in good conditions, but also on recently paved roads, which have to be reopened for the repair of such water services. The WUC is working together with the City of New London and the Waterford DPW to implement a program to have plastic services replaced at those roads scheduled for paving prior to such paving or reclamation work. We are also working with the City to address for the replacement of plastic pipe with copper pipe as individual repairs are conducted, regardless whether or not a road is scheduled for paving.
2	PROJECT STATUS IF IN PROGRESS	Under evaluation. At this time, based on the DPW [short and long term] schedule for the paving and reclamation of roads, we are investigating the number of plastic services located on each road.
3	LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST	Department of Public Works roads paving schedule.
4	DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable)	None.
5	GRANT FUNDING/OTHER FUNDING, if applicable (detailed explanation of grant/other funding, including the amount, source of funding, status, town match, if any. Attach award letter if available)	CT Dept. of Public Health CWSRF may be available.
6	ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION	
7	COST/FUNDING SOURCE	
	FUNDING SOURCE	APPROVED FUNDING TO DATE FY2023 FY2024 FY2025 FY2026 FY2027
1	Current Year Capital	\$ - \$ 100,000 \$ 100,000 \$ 100,000 \$ 100,000 \$ 100,000
2	Utility Budget/Sewer Cap Maint Fund	
3	Transfer to CNR	
4	Short/Long-term Bonds	
5	LoCIP (detail in section 5 above)	
6	CNR Undesignated Fund Balance	
7	Federal/State Grants (detail in section 5)	
8	Other (detail in section 5 above)	
	TOTALS	\$ - \$ 100,000 \$ 100,000 \$ 100,000 \$ 100,000 \$ 100,000



WATER SERVICE CONNECTION DETAIL

NOT TO SCALE

NOTES:

1. Minimum backfill depth- 48 inches.
2. Backfill to be compacted to 95% Std. Proctor max. dry density.
3. Existing backfill material may be used; however, any stones bigger than 4 in. shall be removed from the trench.

Major/Minor Collector Streets

- FY 22 - Daniels Avenue (Separate funding request, CNR)
- FY 22 – Niantic River Road (#194 north to Route 1) (Separate funding request, CNR)

Sub-class N/S & E/W local connectors

- FY 22 Oil Mill Road (Separate funding request, CR)
- FY 23 Goshen/Spinnaker/Country Club
- FY 26 Quarry Road/Leary Drive/portion of Shore Road (Lindros to Quarry)

Neighborhood Roads

- FY 23
 - Tiffany Ave, Savi Ave, Cherry St, Willow St, Cedar St, East Brook Dr.
 - Norman/Vivian
- FY 24
 - David/Wild Rose Place & Avenue/Avenue A/Summer/William
 - Third/Fourth/Middle from Daniels to Fourth/High from Daniels to Fourth
- FY 25
 - First/Second/ Middle from Daniels to First/High from Daniels to First
 - Pine Street, Strosberg Road, Hamast Ave, Woodland Rd
- FY 26
 - Perry/Alice/Linda/Oak/Anita/Lee/Division/Betty
- FY 27
 - Gunshot, Race, Lanyard, Windward. Millstone East

Eversource has completed it sales for natural gas installations on the following roads:

- Kingfisher Way
- Woodlawn Ave
- Sandy Hollow Drive
- Mackenzie Road
- Kestrel Lane

It would be cost effective if the remainder of the neighborhood roads were also completed at the same time. Those roads are:

- Edgewood Ave
- Graham Street
- Miner Ct
- Hamel Ct
- Woodlawn Ct
- Quail Street
- Robin Street
- Lark Street

- Thrust Street.

My recommend is that the Department place in its budget request for addressing these roads in FY 23 and FY 24. Sandy Hollow's concrete curbing replacement will be requested for FY23 with the paving funding requested on FY 24.

Eversource will be releasing additional roads next year. I will keep you informed when that happens.

**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY Utility Commission	CONTACT PERSON Neftali Soto - Chief Engineer
PROJECT NAME Small Metal Storage Building	DEPARTMENT PRIORITY 4

1	DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project) The purpose of this request is to secure funding for the construction of a small (40' x 60') storage building to be sit at the southwestern corner of the Municipal Complex site (the top of the hill). In 2007 the WUC maintenance shop was expanded from 3,100 sf. to about 8,700 sf. At that time, additional space over the 8,700 sf planned was needed to accommodate current and future needs. Wetlands to the west and an embankment to the east of the building limited extend of the expansion. Since 2007, our operations have expanded. We have more staff, and more equipment; therefore, the need for more space. Additional staff, equipment, infrastructure, fleet, storage and inventory parts necessitates for additional space. Although our staff organizes the confines of the shop to maximize its use, the shop is getting a crowded. Please note that our shop is (sometimes) use to store equipment from other departments. This small storage building will be used to store equipment, materials, accessories, and other WUC related components. Because of the size and progressive aging of our infrastructure, our staff is conducting more in-house preventive and corrective activities at both, pumping stations and collection system. This results in lower cost as compared to using private contractors. As part of our program to conduct more in-house activities the WUC requested for the acquisition of a mini-excavator (with accesories) and a skid steer to conduct pipes, and manholes repairs, as well as clearing and maintaining our cross country easements. FY21 FMP approved.																																																																														
2	PROJECT STATUS IF IN PROGRESS Under evaluation. Requested by field staff based on the need for space.																																																																														
3	LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST Department of Public Works. Some Complex land at the planned location will be needed. Planning Dept. CGS 8-24 Report.																																																																														
4	DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable) Minimum electricity.																																																																														
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Proposes Small Bldg.

Storage for Utility Commission

Legend

-  Waterford Transfer Station
-  Waterford Public Works Department
-  WUC
-  WUC Storage

Google Earth

200 ft



SMP Colors

Silicone polyester coatings are proven performers. It is an excellent exterior finish for pre-engineered buildings, agricultural buildings and components.

Minimizes chalking and fading by resisting the detrimental effects of the sun's UV rays, rain, humidity and weathering.

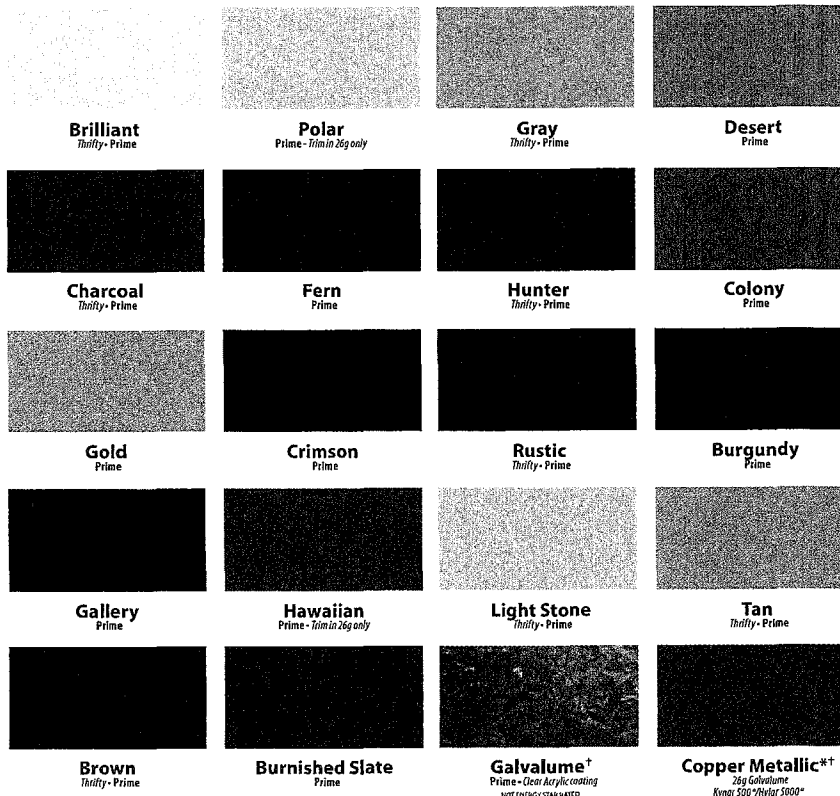
Basic Polyester provides good color retention, exterior durability, abrasion resistance to the sun, rain and other adverse weather conditions.

Limited Warranty available upon written request.

* Kynar 500®/Hylar 5000® color. Contact your sales person for accurate pricing. Panels manufactured in Copper Metallic must be installed in the same direction. See directional arrows or stickers provided on your panels.

Copper Metallic available in Kynar Only.

* Color variation between orders is normal and not cause for rejection.



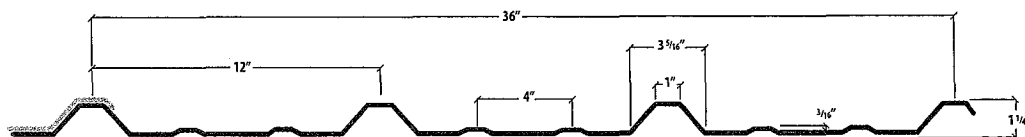
ARMSTRONG STEEL CORPORATION
5889 Greenwood Plaza Blvd Greenwood Village, CO 80111 (800) 345-4610



WWW.ARMSTRONGSTEEL.COM

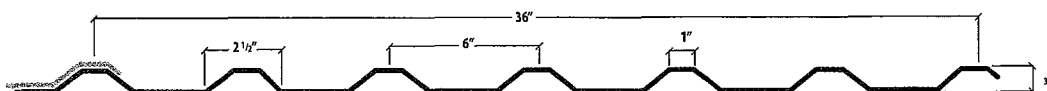
R-LOC

Minimum Pitch: 1/2: 12 • Purlin spacing: 5'



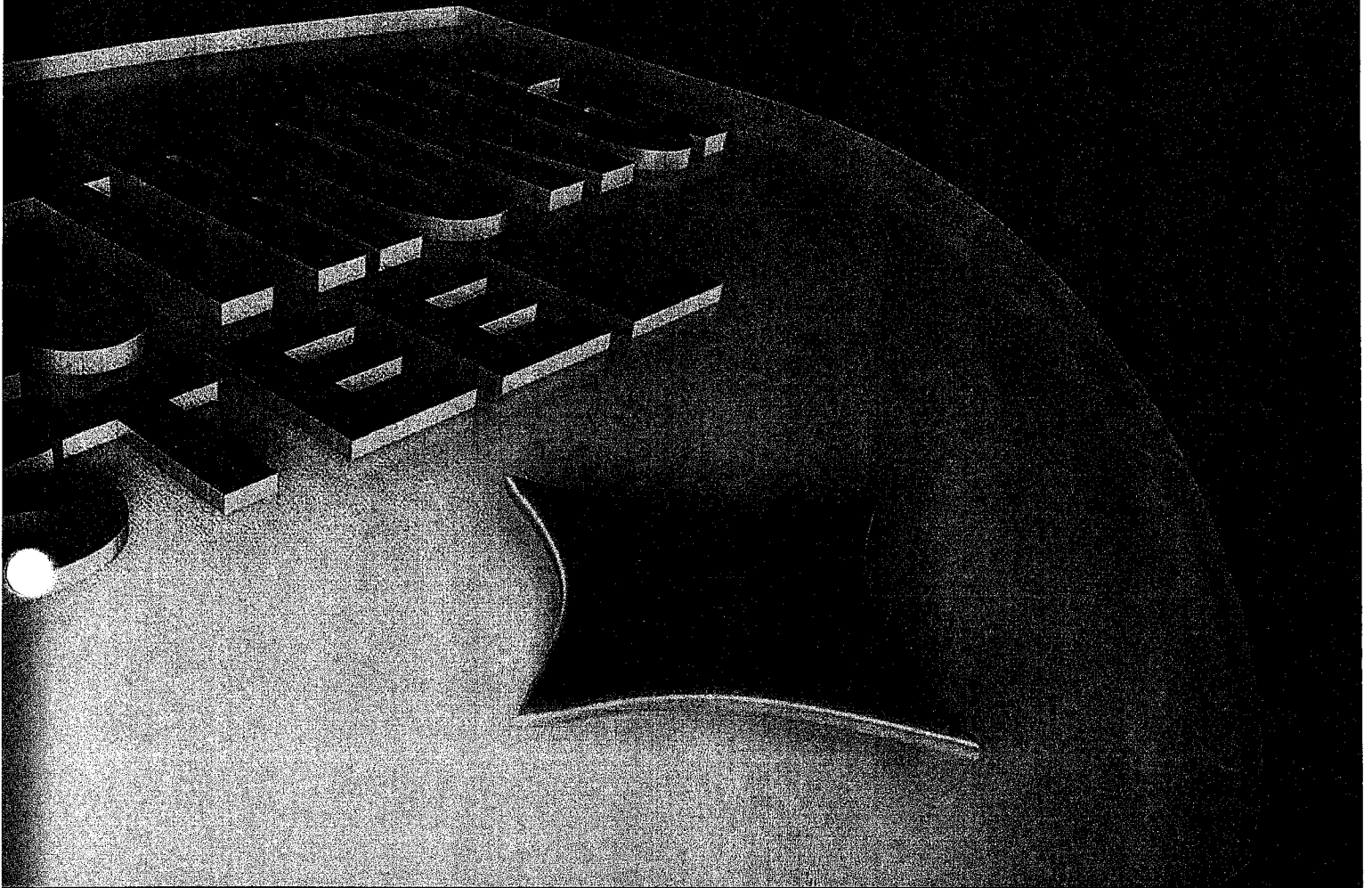
M-LOC

Minimum Pitch: 1/2: 12 • Purlin spacing: 5'





ARMSTRONG STEEL CORPORATION
ON TIME. ON BUDGET.



RESIDENTIAL
STEEL BUILDINGS

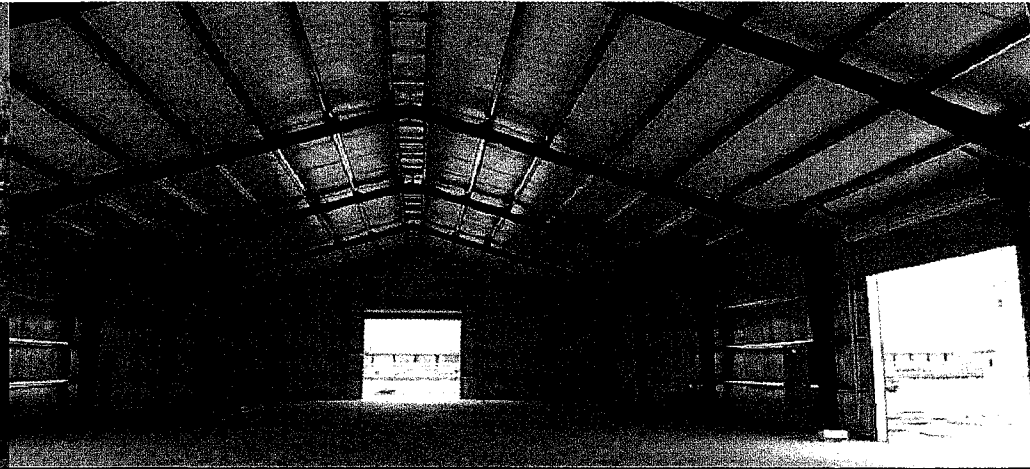
Workshops - Storage - Protecting Your Assets

WE'VE GOT YOU COVERED

At Armstrong Steel, we understand that not all our customers are alike. We have some customers who understand all of the technical nuances of contracting and have the capability of doing everything themselves. We also have customers who are completely new to the idea of managing their own building project and we recognize that the experience can be intimidating. Bottom line? Some of our customers will need a fair amount of hand holding and that's OK! We love sharing our knowledge and expertise with new customers. We'll show you how to cut out the middleman or we'll put you in touch with an Armstrong dealer who can manage your entire project — start to finish. We work to cater to all those savvy customers, all the "newbies" and everyone in between.

We craft unique, cleanly designed, meticulously engineered, top of the line buildings that match our clients lifestyles. Once we understand your construction goals we'll create a building experience that helps to solve your problems and ensure that your building reaches beyond you to improve the lives of the folks within your community. You may only do this once! Let us be a part of your endeavor. We promise, you won't be disappointed.





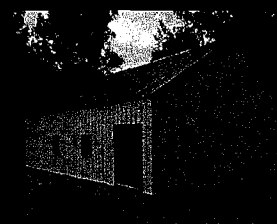
The design process starts with your Armstrong project manager. It begins, for us, when we understand your needs, and critically, your goals. Whether you provide a service, sell products, or just need a place to store your toys; knowing what you're after is essential to creating your perfect building. Without a dedicated project manager to consider your needs after you lock in your steel price, your building won't be solving the right problems.



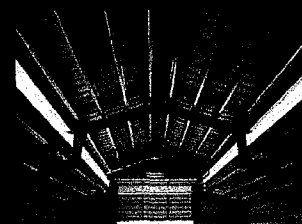
Our detailing & engineering department has distinguished itself in the industry by providing timely and quality design and detail engineering services. These guys do the heavy lifting with respect to our product design & development. With over 150+ combined years of experience, they excel in designing stunning building systems that are easy to erect and drafting easy to read blueprints & plans. They develop connection calculations & fully detailed approval, permit, construction, and shop drawings in house at our corporate headquarters. They're aces at ensuring tight deadlines are met and phases are completed as planned. They've got an eye for design and they ensure we're all speaking the same language when that building of yours arrives on site.

Your building order requires fabrication time and shipping time. Fabrication lead times vary for each building and the shipping time is based on the method of shipment you choose. At Armstrong Steel, we're dedicated to delivering your building as quickly and efficiently as possible. We offer a range of delivery and pickup options, so you can choose the shipping method that best meets your needs. We understand that great customer service is a strong competitive advantage. Our repeat customers keep coming back because we indisputably deliver a superior product and outstanding customer support. Folks share their experience with others and ultimately that is why repeat business is one of our strengths. We don't adhere to the same standards as the competition!

STORAGE
Sturdy and easy to erect, Armstrong Steel storage units make the perfect place to keep your memories.



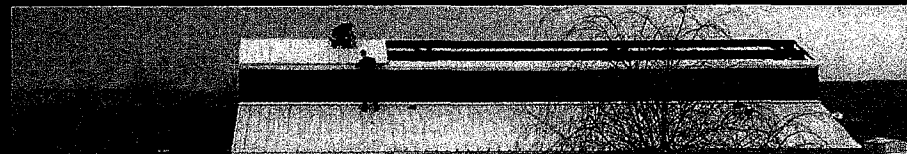
WORKSHOP
An Armstrong Steel Building makes the perfect workshop to build your dreams or grow your business.



VEHICLE STORAGE
Armstrong's garages are ideal spaces to keep your vehicles, store your valuables, or protect the things that matter most.



Ignoring the many technological pre-engineered metal building design breakthroughs that have been made over just the past ten years would be a terrible mistake; but those advances are what many online metal building marts are least concerned about. Decade old design techniques, dated manufacturing equipment, and old technologies are inherently cheaper. We hear, so often, from customers who thought during their first time around, that shopping for the 'cheapest' was the smart buy. They quickly discovered that that decision led to missing parts, holes not lining up, on site delays and blown budgets. Remember that piece of furniture you bought when you were a bachelor that came with crummy, hard to understand instructions, holes that didn't line up and missing parts? It was cheap!



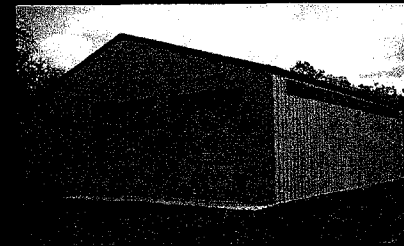
Sloppy, out-of-date designs can leave you or your crew in a constant struggle on the job site and once that cut rate broker you selected drops off your building, they've done their job as far as they're concerned. We're different. We're here for you all the way through the project, until the very last steel member is erected. Why? Because we design & engineer buildings that are based on the robustness of today's most state of the art manufacturing equipment and erection techniques. We go the extra mile to make sure your drawings are easy to read (not hieroglyphics), your parts are all there - numbered to correspond with your blueprints - and everything lines up! Isn't that what you should expect? Your Armstrong building will look great, go up quick, and meet your unique needs.

Whenever you need to make changes to your building, the power is at your fingertips. After you've locked in your steel price, our project managers will analyze your needs to determine what designs work best for you. If you need more space than you initially expected, which is typical, there's no problem with committing more steel to your project. However, cut rate brokers are just a website, a fax machine and a telephone. When you want to make a change on that cheap building you bought, they need to phone China to speak to your detailer. Are you really willing to risk your dreams getting lost in translation? Think of the internet as one big Vegas strip. Plenty of distractions; bright lights, prices that are too good to be true and flashy gimmicks. You're probably only going to do this once, right?



Helping is the new selling and customer service is the new currency. Our customers have problems they need solved. Interests they wish to share. Needs to be satisfied. Goals that can be pinpointed. We help them by providing solutions they appreciate and find to be relevant. Builders across the country already know that if you need space, you need Armstrong Steel. Our customers recognize and value the importance of quality, craftsmanship, service after the sale, and expert technical support.

Sure, anybody can find a cheap building online and click ORDER NOW! That doesn't mean everyone out there is dedicated to crafting the building you need or want. Sure, their website has great prices and plenty of relevant pictures. But you want a team that cares about this project as much as you do. A team that's about more than pumping out cheap bids in an effort to "hit quota" and quick ship as many pounds of steel as possible...right?





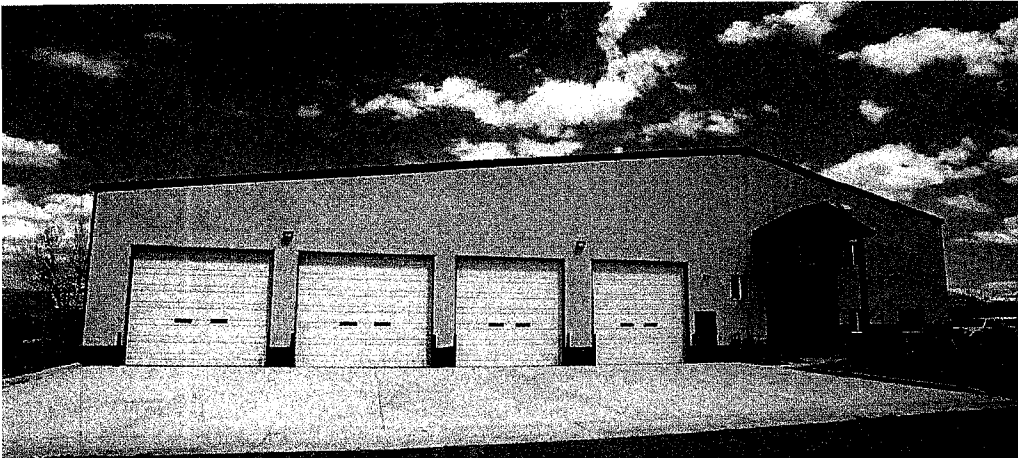
Armstrong Steel Building Systems are fabricated in state of the art facilities. Our culture has embodied a sort of fanatical attention to detail. Most of our competitors are focused on making their product the cheapest. We think cutting corners to be the cheapest is misguided. A product should genuinely be better. This requires real discipline, and that's what drives us - a sincere, genuine appetite to make something excellent.

Armstrong Steel does not adhere to the same standards as the competition. One of the hallmarks of our team is that we are committed to constant design improvement. We obsess over every member, every connection plate, and every weld in your building so you don't have to. You don't see that effort... until you erect the building system and then it all makes sense. THIS is why I bought an Armstrong!

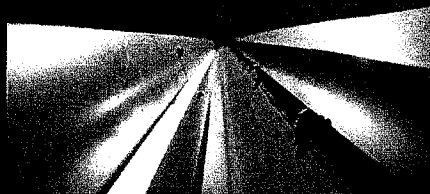


There is a tremendous amount of craftsmanship that goes into each of our buildings. Each connection in our buildings is hand detailed, precision engineered, and triple checked. The painstaking work that goes into each building we make is obvious when it arrives on-site and goes together seamlessly, unlike any other building on the market.

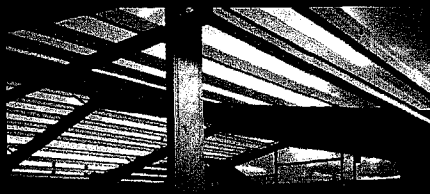




It's impossible to say where the engineering ends and the true beauty of our design begins. We obsess on solving the tiny issues, being unwilling to compromise in our quest to create a far superior product. Thousands of tiny decisions go into the development of Armstrong's designs. You may only do this once... let us be a part of your endeavor. You won't be disappointed.



Armstrong has spent years refining our building design. We know how important on-site perfection is to our end users and dealers.



You'll be amazed at how quickly an Armstrong Steel Building System goes up.

Armstrong's commitment to quality materials allow us to offer the best warranties in the industry.



50 Year Structural Warranty

40 Year Paint Warranty

35 Year Roof Warranty

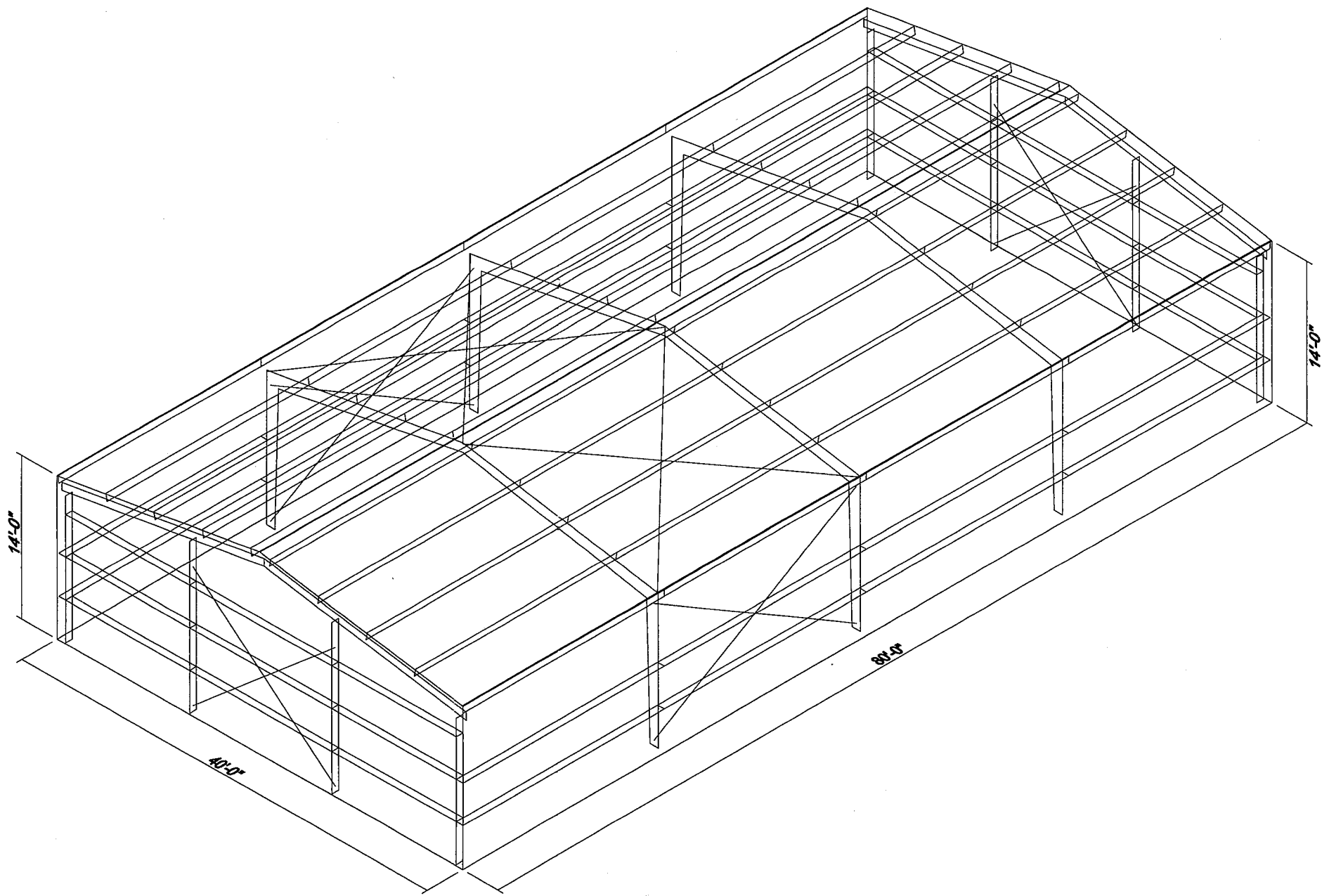
Lifetime Fastener Warranty

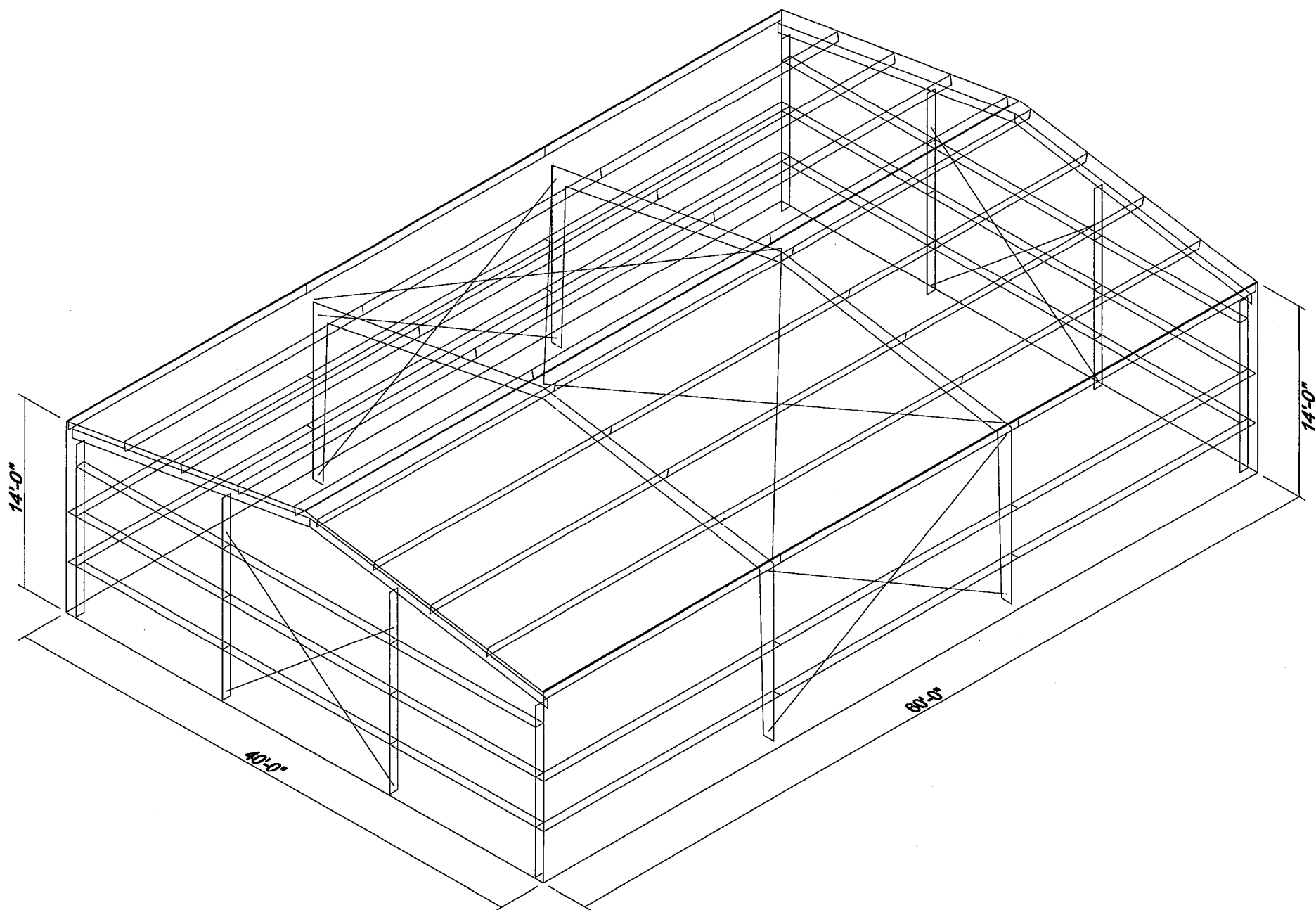
We're not pledging our allegiance to Ford or Chevy! In fact, our staff is pretty evenly split. But you get it, don't you? We have always obsessed on quality and ease of construction – design it stronger, design it better, design it to be easier – all to enhance the on-site experience of our clients. We tailor your building to your needs. You didn't choose the truck you bought because it was the cheapest. It took you time and you finally pulled the trigger because it fit your lifestyle perfectly, right?

We know you have choices in the marketplace and sometimes it can get confusing. So many companies try to copy our precise design methodology but there's only one place to get an Armstrong Building.

Armstrong Steel Buildings are not made on an assembly line. Each building is designed by a small, handpicked team of designers. They are extremely close, focused and committed to the same goals. Excellence, Ease, & Simplicity. We want your building to go up intuitively. Just the way you'd expect.

TOLL FREE: 800.345.4610
WWW.ARMSTRONGSTEEL.COM







ARMSTRONG STEEL CORPORATION

2 Westbrook Drive, Cromwell, CT 06431 • 800.345.4610 • 720.240.7766

Otto Schlosser
(720) 782-8415
otto.s@armstrongsteel.com

Building Specifications

QUOTE #

Soto2021-11-04(B)

DATE

Nov 04, 2021

CUSTOMER DETAILS

Attention Neftalí Soto	Phone (860) 460-0765
Building Address	County New London
City Waterford	State CT Zip 06385

BUILDING DETAILS

Width 40'	Length 80'	Eave Height 14'	Pitch 2:12
Doors N/A	Windows N/A	Insulation N/A	
Wall Color SMP - (TBD)	Trim Color SMP - (TBD)	Roof Color Galvalume	

CODES & LOADS

Ground Snow 30.0	Roof Snow 25.2	Wind 134.0
Exposure C	Building Code IBC-15	Collateral Load 1

INCLUDED

- Roof Z Purlin & Wall Z Girt Galvanized Secondary Framing
- Galvanized Endwall Framing
- Structural Steel I-Beams
- **50 Year Warranty** On All Structural Members
- 26 Gauge PBR Color Wall Sheeting (**40 Year Warranty**)
- 26 Gauge Galvalume PBR Roof (**35 Year Warranty**)
- All Fasteners and Hardware
- **Lifetime Warranty** against rust on all fasteners.
- Premium Sculpted Trim
- Premium Base Trim
- Dedicated Professional Project Manager
- Certified, Stamped & Engineered Drawings specific to your state.
- **ALL AMERICAN** – Armstrong is proud to be an American company that uses only American made materials.
- **Precision Engineering** – Our structures are faultless. State of the art technology ensures that every building is made to the highest standards.
- **On Time Delivery** – Confirmed delivery times mean more efficient crew scheduling, saving you time and money.

ENGINEERING AND DRAWINGS

INCLUDED

PROJECT MANAGER

INCLUDED

BUILDING PRICE

\$52,585.00

800.345.4610
50 YEAR FACTORY WARRANTY



ARMSTRONG STEEL CORPORATION

2 Inverness Drive East, Englewood, CO 80112 • 800.345.4610 • FAX 720.746.6766

Otto Schlosser

(720) 782-8415

otto.s@armstrongsteel.com

Building Specifications

QUOTE #

Soto2021-11-02A

DATE

Nov 04, 2021

CUSTOMER DETAILS

Attention Neftalí Soto	Phone (860) 460-0765
Building Address	County New London
City Waterford	State CT Zip 06385

BUILDING DETAILS

Width 40'	Length 60'	Eave Height 14'	Pitch 2:12
Doors N/A	Windows N/A	Insulation N/A	
Wall Color SMP - (TBD)	Trim Color SMP - (TBD)	Roof Color Galvalume	

CODES & LOADS

Ground Snow 30.0	Roof Snow 25.2	Wind 134.0
Exposure C	Building Code IBC-15	Collateral Load 1

INCLUDED

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ENGINEERING AND DRAWINGS

INCLUDED

PROJECT MANAGER

INCLUDED

BUILDING PRICE

\$44,408.00

800.345.4610

50 YEAR FACTORY WARRANTY

Armstrong vs. the Competition

Roofing

Armstrong's Roof

Armstrong has a 35-year rust through perforation warranty on the roof. Roof material yield is 80,000 PSI, 26 gauge steel. Also available in 24 gauge.



Competitors' Roof

Competition has a 20-year rust through perforation warranty, some use 29 gauge steel.



Fasteners

Armstrong's Fasteners

Long life fasteners have a lifetime warranty. No rusting, no oxidation and always remain shiny. Armstrong provides neoprene washers which prevent over-drilling of the fasteners. Over-drilling can tear the sheeting and cause leaks. Available in painted colors to go with colored roofs.



Competitors' Fasteners

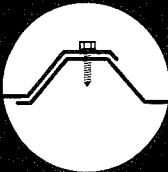
Zinc fasteners rust! Cadmium plated fasteners do not rust, but do oxidize leaving black streaks. Competition does not supply neoprene washers with wall screws. No protection against over-drilling which can tear the sheeting, causing leaks and/or crack the paint, leading to rust.



Panels

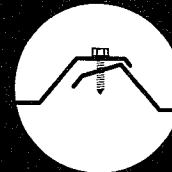
Armstrong's PBR Roof

Purlin bearing rib (PBR) roof panels provide for a full overlap of the corrugation.



Competitors' "R" Panel Roof

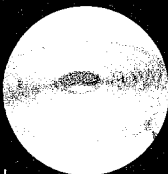
"R" panels overlap only 1/3 of the way into the corrugation. Lessening strength in the overlap and more potential for leaks.



Sealant

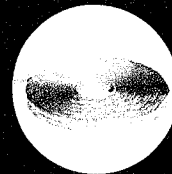
Armstrong's Mastic (Sealant)

1" double beaded mastic tape where sheets overlap vertically and 1" mastic where sheeting overlaps side by side, which guarantees to prevent leaks. When the screw is drilled into the sheeting it will hit the mastic creating a seal on the screw and hole completely preventing leaks.



Competitors' Mastic

3/8" mastic tape for sides and vertical overlap. Vertical overlap is not double beaded. Smaller mastic tape is less than half the width of Armstrong's. When the screw is drilled, it may miss the mastic entirely which can cause leaks.



Paint

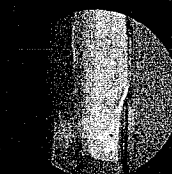
Armstrong's Paint

Armstrong has a 40-year rust through perforation warranty - an industry first!



Competitors' Paint

Competition offers only 10 or 20 year warranty on their paint.



Framing

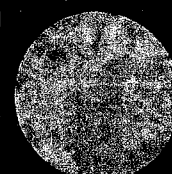
Armstrong's Secondary Framing

PRE-GALVANIZED Purlins, Girts and Door Jambs protect against red rust during and after building construction. Galvanization extends the life and appearance of your steel building. Our cleaner, brighter product also features lower maintenance costs.



Competitors' Secondary Framing

Competition uses a red oxide primer which encourages rust and corrosion. Why do they use red primer? Because it matches and hides rust.



It's All About The Details

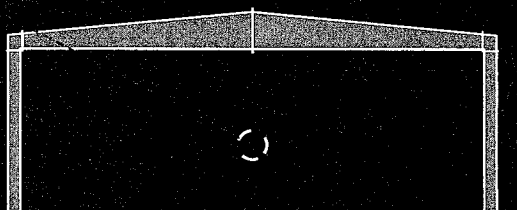
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Armstrong Engineering

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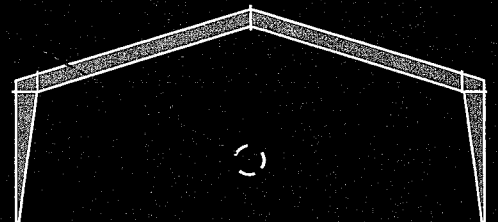
Clear Span, Straight Column Frame

Clear span rigid frames are strong, durable and economical. This type of frame doesn't require any interior support columns and can be a perfect solution for large space requirements.



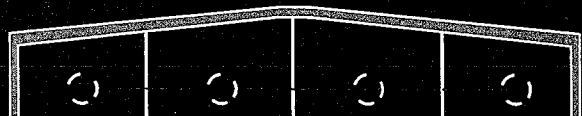
Clear Span, Tapered Column Frame

Clear span rigid frames are strong, durable and economical. This type of frame doesn't require any interior support columns and can be a perfect solution for large space requirements.



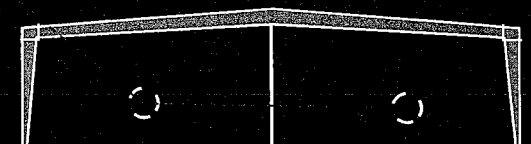
Multiple Span, Straight Column Frame

Multiple span, straight column frames have interior support columns. These interior columns distribute the load and reduce costs of extra wide buildings.



Multiple Span, Tapered Column Frame

Multiple span frames provided with tapered columns and interior straight columns. These interior columns distribute the load and reduce the cost of extra wide buildings.



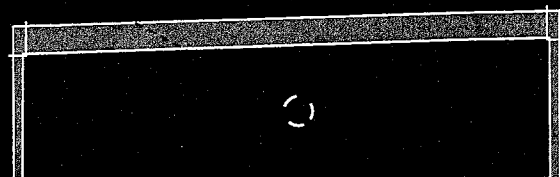
Multiple Span, Single Slope Frame

Multiple span, single slope frame provided with both of the sidewalls at different heights. This makes the roof of the building slope from front back or vice versa.



Clear Span, Straight Single Slope Frame

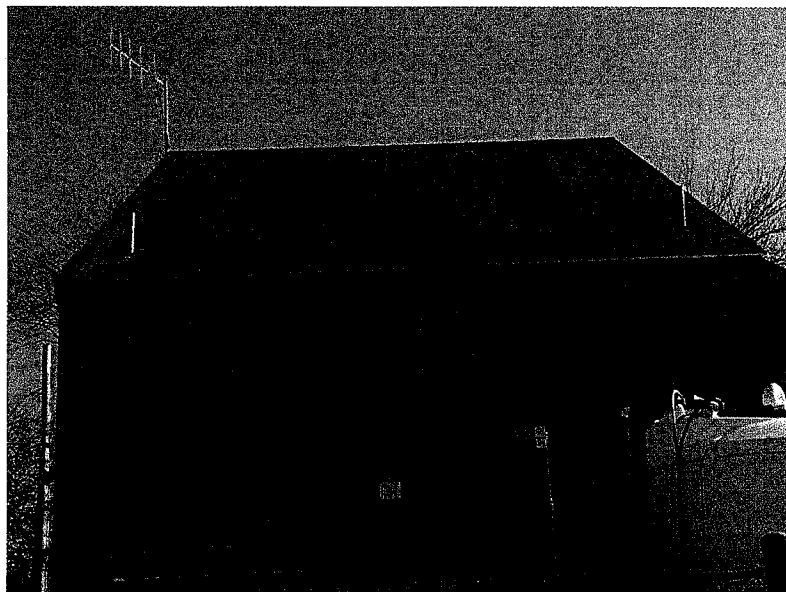
Single slope frame without the need for any interior support columns.



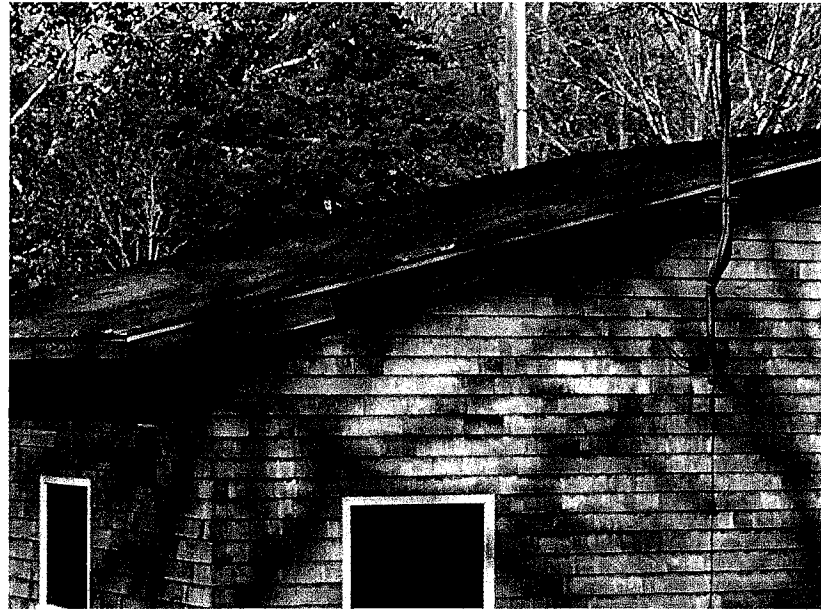
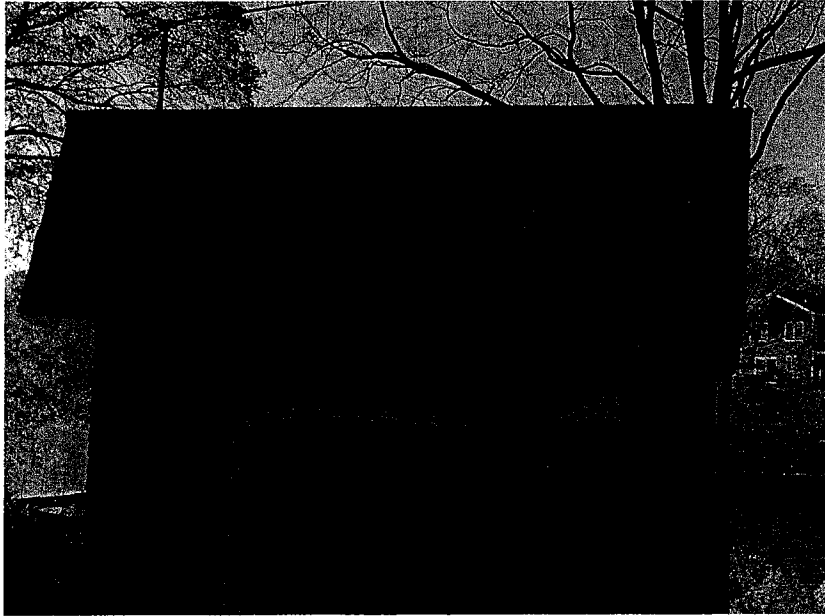
**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY Utility Commission	CONTACT PERSON Neftali Soto - Chief Engineer
PROJECT NAME Replacement of Roof, siding, driveways - Various Pumping Stations	DEPARTMENT PRIORITY 5

1	DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project)																																																																						
	This entails the replacement and, as needed, structural improvements of the roof and siding of various of our pumping stations throughout the Town. This work is necessary to safeguard the building and protect from the weather the (very expensive) pumping stations(s) components. Some of the stations may need for the structural framing to be replaced or extensively rehabilitated. The building and grounds rehab my also include the replacement of various driveways at some of the pumping stations that are in very poor conditions.																																																																						
2	PROJECT STATUS IF IN PROGRESS																																																																						
	Work has been done (or in progress) at two stations funded under FY22 CYC (\$50,000). Some driveways, roof, and siding that were in very poor conditions were replaced this past year. However, in order to have this work done at the lowest cost associated with economies of scale comprehensive funding is herein requested.																																																																						
3	LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST																																																																						
	None.																																																																						
4	DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable)																																																																						
	None regarding the budget, but it will provide a reliable shelter for the pumping station(s) components. Whenever time is available within our staff working schedule, some of the work will be done in-house. They take pride on doing such work.																																																																						
5	GRANT FUNDING/OTHER FUNDING, if applicable (detailed explanation of grant/other funding, including the amount, source of funding, status, town match, if any. Attach award letter if available)																																																																						
	None.																																																																						
6	ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION																																																																						
	Typical roof and siding conditions photos attached.																																																																						
7	COST/FUNDING SOURCE																																																																						
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Typical Roof and Siding Conditions at Structures to be re-roofed and re-sided.



Current Typical Conditions of Roofs intended to be re-roofed .

Note: Some structural work may also be needed (as discovered).

Proposal

Page No. of Pages

CT # 573138

Serving Southeastern CT Since 1989
Tom@GarbatiBuilders.com • www.GarbatiBuilders.com

PROPOSAL SUBMITTED TO

Town of Waterford

PHONE

DATE

17-1-21

STREET

JOB NAME

Pump House roof

CITY, STATE and ZIP CODE

Waterford

JOB LOCATION

Bolton Ct

EMAIL

CELL PHONE

We hereby submit specifications and estimates for:

Strip - Re-Roof Using 30 Year Architectural Asphalt Shingles

Install • Water and Ice Barrier Eaves and Valleys

- Synthetic Underlayment
- Aluminum Drip Edge
- New Roof Boot and Nonelectrical Vents

Clean All Debris From Job Site

Replace Any Damaged Decking at \$ 90 3/8" CDX \$ 125 1/2" CDX \$ 3/4" CDX per 4'x8' sheet

Install Ridge Vent - Add \$ included for linear ft or \$ per ft. Approved by _____
please initial

Re-Lead Chimney - Add \$ per chimney

Any Carpentry Work To Be Performed at \$ 75 /Hour

Additional Work:

We Propose hereby to furnish material and labor — complete in accordance with above specifications, for the sum of:

Payment to be made as follows:

50% when Material Is Delivered

50% when Project is Completed

dollars (\$ 8600).

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry life, fire and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.

Authorized Signature

Note: This proposal may be withdrawn by us if not accepted within 60 (SIXTY) days.

Acceptance of Proposal — The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Date of Acceptance:

Signature

Signature

PROPOSAL and
ACCEPTANCE

Date:	9-29-2021	Contact:	Edward Machinski
Customer:	Town of Waterford	Email:	emachinski@waterfordct.org
Address:	12 4 th Street	Cell No:	860-460-1528
City/State/Zip:	Waterford, CT	Work No:	860-444-5886

The Contractor proposes to furnish all listed labor and material necessary for the completion of the following job specifications:

- Place tarps where needed to protect the home's exterior/siding, plants, shrubs, the lawn and driveways.
- Strip off the one layer of asphalt shingles, and any underlayment that is on the roof.
- Sweep off all debris and inspect the deck. Remove any rotten or weak plywood and install new for an extra cost of \$70 a sheet installed.
- Pick up all debris and put in dump trailer provided by myself the contractor and dispose of. Use a roll magnet to pick up all nails on the driveways, and lawn.
- Install drip edge and CertainTeed starter strip on the rake and eave edges of the roof. Install CertainTeed winterguard on all the eave edges, on all roof intersections, and around any roof penetrations bathroom vents, chimneys etc. Tape all plywood seams. On the remaining roof install Rhino synthetic underlayment.
- Install aluminum flashing at roof transitions where needed.
- Install CertainTeed Landmark Lifetime algae resistant architectural shingles on the roof.

Start date: 10-2021

End Date: 10-2021

* The Contractor proposes hereby to furnish all material and labor with above specifications
For the sum of: **Seven thousand nine hundred dollars (\$7,900)**
Payment schedule as follows: **(\$3,900) at the start of the job**
(\$4,000) when the job is complete.

A.N.A. ROOFING L.L.C.

ERIK DONAHUE
Roofing-Siding-Gutters-Windows
15 HIGH RIDGE DRIVE, WATERFORD CT
CELL: 860-912-9940

**PROPOSAL and
ACCEPTANCE**

All material is guaranteed to be as specified the work will be completed in a workmanlike manner in accordance to specifications. All agreements are contingent upon weather, or delays beyond contractor's control. Signee has three working days to cancel contract for any reason.

CERTAINTEED LANDMARK

Lifetime Algae Resistant Architectural shingles
Lifetime limited transferable warranty against manufacturing defects
10- Year Streak Fighter warranty
10-year Sure Start protection
Wind warranty upgrade to 130 mph
Using CertainTeed starter and CertainTeed hip and ridge

10 YEAR LABOR GUARANTEE FREE OF CHARGE

Submitted by: A.N.A. Roofing / Erik Donahue

Acceptance of Proposal

As stated in the above specifications. The costs, materials, and specifications are satisfactory and are hereby accepted. I authorized the contractor to perform the work as specified above. Above payments will be made as summarize above.

Customer Signature: _____ Date: _____

LIC. / REG NO. 0610794
INS Policy No. L021005912

Proposal

Page No. of Pages

CT # 573138

THOMAS GARBATI BUILDERS, LLC

179 BUTLERTOWN ROAD • WATERFORD, CT 06385

Serving Southeastern CT Since 1989

Tom@GarbatiBuilders.com • www.GarbatiBuilders.com

Office 860-443-1232

Tom Sr. 860-625-1702

Tom Jr. 860-287-4438

PROPOSAL SUBMITTED TO <u>Town of Waterford</u>	PHONE	DATE <u>7-7-21</u>
SHEET <u>Mago Pt</u>	JOB NAME <u>Pump House</u>	
CITY, STATE and ZIP CODE <u>WtPd Ct</u>	JOB LOCATION	
EMAIL	CELL PHONE	

We hereby submit specifications and estimates for:

Strip - Re-Roof Using 30 Year Architectural Asphalt Shingles

Install • Water and Ice Barrier Eaves and Valleys

- Synthetic Underlayment
- Aluminum Drip Edge
- New Roof Boot and Nonelectrical Vents

Clean All Debris From Job Site

Replace Any Damaged Decking at \$ 8.5 3/8" CDX \$ 11.5 1/2" CDX \$ _____ 3/4" CDX per 4'x8' sheet

Install Ridge Vent - Add \$ _____ for _____ linear ft or \$ _____ per ft. Approved by _____

please initial

Re-Lead Chimney - Add \$ _____ per chimney

Any Carpentry Work To Be Performed at \$ 7.5 /Hour

Additional Work: _____

We Propose hereby to furnish material and labor --- complete in accordance with above specifications, for the sum of:

dollars (\$ 9320).

Payment to be made as follows:

50% when Material Is Delivered

50% when Project is Completed

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge cost and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Ours to carry fire, marine and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.

Authorized
Signature

Note: This proposal may be withdrawn by us if not accepted within

60 (SIXTY)

days.

Acceptance of Proposal

— The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Date of Acceptance: _____

Signature _____

Trusted Name for 100 Years

Office: office@.com

Fax: www..com

E-Mail:

Web:

CUSTOMER:

Waterford Utility Commission
Attn: Mr. Jim Bartelli
1000 Hartford Road
Waterford, CT 06385

PROPOSAL

Project Location	Project	Proposal No.	Date	TERMS
Pump Stations Quaker Hill	Paving	20-402	6/2/2020	Net 30
Description	Qty	Unit	Rate	Proposed Amt:
Remove and replace pavement at the following pump stations: Bolles Court, Quaker Hill Center, Richard Grove, and Old Norwich Rd. Project to include CBYD, mobilization, remove and dispose of old asphalt, grade existing base compacted, pave one course 3" thick after compaction, loam/seed edges, and demobilization. Exclusions: Traffic control, curb, new base.				
Supervisor	1	day	520.00	520.00
Operator	2	day	440.00	880.00
Truck Driver	2	day	400.00	800.00
Truck Driver	2	day	400.00	800.00
Laborer	2	day	384.00	768.00
Mini Excavator	1	day	460.00	460.00
Dump Truck	2	day	480.00	960.00
Dump Truck	2	day	480.00	960.00
Subtotal	Sales Tax (6.35%)		Proposed Amt:	

Notes / Conditions:

- Any rock over 1/2 CY, ledge, utilities, water, concrete structures, voids, contaminated soil, or any hazardous materials (for example, but not limited to, asbestos, lead, etc.) in the way of construction will be an additional charge.
- Any changes to the above scope of work that take place after work has started which involves an increase in the scope of work will become an extra charge over and above the proposed amt. Changes must be submitted in writing and approved by both S. , LLC and the project Owner's rep.
- S. , L.L.C. will not assume liability for any damages done to existing property in order to perform work.
- S. , L.L.C. will not be responsible for any cracking in concrete work.
- S. , L.L.C. will not be responsible for any vandalism, but can provide security to prevent vandalism, on a short term basis, for an additional charge.
- Project Owner responsible for watering any new or repaired landscaped areas, including lawns.
- If 6.35% CT sales tax has been figured into the proposed amount and this is a tax exempt project, please submit a tax exempt certificate upon acceptance of this proposal; otherwise, tax will be included upon invoicing.
- Customer responsible for obtaining any necessary permits, unless otherwise noted.
- Proposed amount is not based on Prevailing Wages. If Prevailing Wages apply, it must be disclosed by Customer prior to start of project.
- S. , L.L.C. has the right to make changes to the proposed amount after 30 days due to any rise in material, fuel, insurance, etc. costs.
- S. , LLC will provide the C.B.Y.D. If there are any unmarked utilities or if C.B.Y.D. will not perform services at a particular location, there will be an additional charge to have the utilities marked out.

ACCEPTANCE OF PROPOSAL

The above prices, specification, and notes/conditions are satisfactory and hereby accepted. You are authorized to do the work as specified.
Payment will be made as outlined above.

Authorized Signature: _____

Date: _____

You may cancel this transaction, without any penalty, within three business days from the above date. If you cancel, any payments made by you will be returned within ten business days following receipt of cancellation notice. If you cancel, you must make available to S. , LLC, any goods delivered to you under the contract; or you may, if you wish, comply with the instructions of the seller regarding the return shipment of the goods at the seller's expense and risk. If you do make goods available and the seller does not pick them up within twenty days of the date of the cancellation, you may retain or dispose of the goods without any further obligation. If you fail to make the goods available to the seller, or if you agree to return the goods to the seller and fail to do so, then you remain liable for all obligations under the contract.

To CANCEL this transaction, mail or deliver a signed and dated copy of this CANCELLATION NOTICE or to: S. , L.L.C. at P.O. Box 1270, New London, CT 06320 within three business days from the date above.

I HEREBY CANCEL THIS TRANSACTION. Signature of Customer(s): _____, Date: _____

** S. , L.L.C. is an Equ

turn of Affirmative Action Employer **

Trusted Name for 100 Years

Office: office@.com

Fax: www..com

E-Mail:

Web:

CUSTOMER:

Waterford Utility Commission
Attn: Mr. Jim Bartelli
1000 Hartford Road
Waterford, CT 06385

PROPOSAL

Project Location	Project	Proposal No.	Date	TERMS
Pump Stations Quaker Hill	Paving	20-402	6/2/2020	Net 30
Description	Qty	Unit	Rate	Proposed Amt:
Service truck w/tools	2	day	308.00	616.00
Vibratory Drum Roller	1	day	390.00	390.00
Paving Box	1	day	785.00	785.00
Sawcutting	1	ls	430.00	430.00
Asphalt	76.62	ton	78.00	5,976.36
Loam, Seed, Hay	1	ls	385.00	385.00
Subtotal			\$14,730.36	
	Sales Tax (6.35%)		\$0.00	
			Proposed Amt:	\$14,730.36

Notes / Conditions:

- Any rock over 1/2 CY, ledge, utilities, water, concrete structures, voids, contaminated soil, or any hazardous materials (for example, but not limited to, asbestos, lead, etc.) in the way of construction will be an additional charge.
- Any changes to the above scope of work that take place after work has started which involves an increase in the scope of work will become an extra charge over and above the proposed amt. Changes must be submitted in writing and approved by both S. , LLC and the project Owner's rep.
- S. , L.L.C. will not assume liability for any damages done to existing property in order to perform work.
- S. , L.L.C. will not be responsible for any cracking in concrete work.
- S. , L.L.C. will not be responsible for any vandalism, but can provide security to prevent vandalism, on a short term basis, for an additional charge.
- Project Owner responsible for watering any new or repaired landscaped areas, including lawns.
- If 6.35% CT sales tax has been figured into the proposed amount and this is a tax exempt project, please submit a tax exempt certificate upon acceptance of this proposal; otherwise, tax will be included upon invoicing.
- Customer responsible for obtaining any necessary permits, unless otherwise noted.
- Proposed amount is not based on Prevailing Wages. If Prevailing Wages apply, it must be disclosed by Customer prior to start of project.
- S. , L.L.C. has the right to make changes to the proposed amount after 30 days due to any rise in material, fuel, insurance, etc. costs.
- S. , LLC will provide the C.B.Y.D. If there are any unmarked utilities or if C.B.Y.D. will not perform services at a particular location, there will be an additional charge to have the utilities marked out.

ACCEPTANCE OF PROPOSAL

**The above prices, specification, and notes/conditions are satisfactory and hereby accepted. You are authorized to do the work as specified.
Payment will be made as outlined above.**

Authorized Signature:

Date:

You may cancel this transaction, without any penalty, within three business days from the above date. If you cancel, any payments made by you will be returned within ten business days following receipt of cancellation notice. If you cancel, you must make available to S. , LLC, any goods delivered to you under the contract; or you may, if you wish, comply with the instructions of the seller regarding the return shipment of the goods at the seller's expense and risk. If you do make goods available and the seller does not pick them up within twenty days of the date of the cancellation, you may retain or dispose of the goods without any further obligation. If you fail to make the goods available to the seller, or if you agree to return the goods to the seller and fail to do so, then you remain liable for all obligations under the contract.

To CANCEL this transaction, mail or deliver a signed and dated copy of this CANCELLATION NOTICE or to: S. , L.L.C. at within three business from the date above.

I HEREBY CANCEL THIS TRANSACTION. Signature of Customer(s): _____, Date: _____

** S. , L.L.C. is an Equ

tup to 100% Involvement Action Employer **

**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY <u>Utility Commission</u>	CONTACT PERSON <u>Neftali Soto - Chief Engineer</u>
PROJECT NAME <u>Retrofit Control Panels - Gorman-Rupp Pumping Stations</u>	DEPARTMENT PRIORITY <u>6</u>

1	DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project)																																																																						
	Among the components of our wastewater collection system, we have 28 pumping stations that move wastewater generated in Waterford to its final destination at the New London treatment plant. Of those 28 stations, when the sewerage of the Town of Waterford was initiated in the early 80s, the town made the wise decision of standardizing the smaller stations (19 of them) as package lift stations manufactured by the Gorman-Rupp Company. These stations rely on electronic components intended for their safe, reliable, and efficient operations. Many of these stations are coming into the age that the electronics are becoming obsolete, are no longer or minimally supported, and are not 100% compatible with the needs for SCADA system. Most of these electronic components are proprietary to the Gorman-Rupp brand. However, our SCADA consultant together with our in-house electrician and tech are in the process of retrofitting the control panels of these stations with control panels and an open architecture programming with the ability of developing and expand our SCADA capabilities. Our consultant estimates these upgrades at \$14K/ea. The Office of the First Selectman assigned \$163,750 American Rescue Plan Act funding to upgrade/replace control electronics at 10 of our GR stations. The requested funding is for the upgrade of those remaining stations.																																																																						
2	PROJECT STATUS IF IN PROGRESS																																																																						
	Some work is being [and continues to be] done by our electrician and consultant, but the vast extend of this project and the need to proceed at an accelerated pace will be done [currently under way] via funding assigned under the ARPA, and the funding herein requested.																																																																						
3	LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST																																																																						
	SCADA capabilities enhancements.																																																																						
4	DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable)																																																																						
	Reduce false alarming and the need for outside of working hours responses by our field staff. Reliability of the alarm system. The ability of our staff to establish setpoints at a higher degree of confidence.																																																																						
5	GRANT FUNDING/OTHER FUNDING, if applicable (detailed explanation of grant/other funding, including the amount, source of funding, status, town match, if any. Attach award letter if available)																																																																						
	At the present, last years' approved current year capital (\$30,000) funding as well as ARPA (\$163,750) funding are being used for this initiative.																																																																						
6	ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION																																																																						
	Service to the whole Waterford Collection System through the Town.																																																																						
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**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY

Utility Commission

CONTACT PERSON

Neftali Soto

PROJECT NAME

Crystal Mall PS - Main and Emergency Power

DEPARTMENT PRIORITY

7

1 DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project)

This request is triggered by the need to transfer the responsibility of providing power to the Crystal Mall pumping station (CMPS) from the Crystal Mall to the Town of Waterford. The Town of Waterford owns the pumping station. It sits on an easement provided by the Crystal Mall. Since its construction in 1985, the CMPS has been powered by a feed from the Crystal Mall. Emergency power is also provided by the stand-by generator at the Crystal Mall. Considering that besides wastewater from the Crystal Mall, this station also receives wastewater from nearby properties not associated with the Crystal Mall, and in order to, as it should be, the Utility Commission be 100% responsible for the maintenance and the operation of this station, the WUC Assistant Director, together with the Planning Director, and Town Counsel have been working the details with Crystal Mall staff to complete the necessary steps and requirements for this transfer of responsibilities. The transfer entails the provision of power from Rt. 85 (independent of the CM power), and the installation of a back-up generator at the station site.

2 PROJECT STATUS IF IN PROGRESS

Land survey, history, and preliminary evaluations by WUC Assistant Director, Planning Director, and Town Counsel.

3 LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST

None known at this time.

4 DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable)

Additional expense for electricity. At this time unknown, but considering that this is a small station, no significant concern.

5 GRANT FUNDING/OTHER FUNDING, if applicable (detailed explanation of grant/other funding, including the amount, source of funding, status, town match, if any. Attach award letter if available)

None.

6 ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2023	FY2024	FY2025	FY2026	FY2027
1	Current Year Capital				\$ -	\$ -	\$ -
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR			\$ 225,000			
4	Short/Long-term Bonds						
5	LoCIP (detail in section 5 above)						
6	CNR Undesignated Fund Balance						
7	Federal/State Grants (detail in section 5)						
8	Other (detail in section 5 above)						
	TOTALS	\$ -	\$ -	\$ 225,000	\$ -	\$ -	\$ -

**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY <u>Utility Commission</u>	CONTACT PERSON <u>Neftali Soto - Chief Engineer</u>
PROJECT NAME <u>Evaluate and replace Weimes Ct. & Marilyn Ct. PS</u>	DEPARTMENT PRIORITY <u>8</u>

1	DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project)																																																																						
	For these stations built in 1979, conditions assessments, including non-destructive testing of the below-grade structural steel enclosures at the Marilyn and Weimes Court Ejector stations, are necessary to determine the structural conditions of the stations and upgrades needed. The Utility Commission is recommending the need to capital budget approximately \$475,000 in FY 24 and \$500,000 in FY 26 to proceed with and complete these tasks. Depending on the conditions of these stations, a decision will be made on whether to rehab the station, or to upgrade to a more conventional (pumps) system.																																																																						
2	PROJECT STATUS IF IN PROGRESS																																																																						
	Not in progress, yet. Funding request for evaluation and work needed.																																																																						
3	LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST																																																																						
	None.																																																																						
4	DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable)																																																																						
	Maintain reliability of the stations. Replace or upgrade asset.																																																																						
5	GRANT FUNDING/OTHER FUNDING, if applicable (detailed explanation of grant/other funding, including the amount, source of funding, status, town match, if any. Attach award letter if available)																																																																						
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6	ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION																																																																						
	Future project. To be provided once evaluation and assessment of needs is determined.																																																																						
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**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY <u>Utility Commission</u>	CONTACT PERSON <u>Neftali Soto - Chief Engineer</u>
PROJECT NAME <u>Stoney Brook Pumping Station Partial Upgrade</u>	DEPARTMENT PRIORITY <u>9</u>

1	DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project)																																																																						
	Similar to the intended approach for the Cross Road pumping station, the Stoney Brook PS project entails the evaluation and implementation of recommended measures associated with the rehabilitation and/or upgrading of the, built in 1991, Stoney Brook pumping station. Cross Road PS is being upgraded thanks to the funding provided through the American Rescue Plan Act. As with all of our pumping stations, this station has been well maintained by our maintenance staff. However, like any other infrastructure that has static as well as dynamic electro-mechanical components, fatigue and wear and tear significantly reduces the useful life of the facility. Our maintenance staff is keeping this and our other stations in great operational conditions, however, a complete evaluation and associated improvements might be necessary to insure that the useful life of the station is extended for the benefit of future generations. The Utility Commission is recommending the need to capital budget approximately \$511,000 in FY 25 to proceed with and complete these tasks.																																																																						
2	PROJECT STATUS IF IN PROGRESS																																																																						
	Planning stages. Time and funding permitted, a preliminary cursory evaluation is planned for FY22.																																																																						
3	LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST																																																																						
	None																																																																						
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	More efficient, safe, and reliable operation of the station with expected energy savings and operational reliability.																																																																						
5	GRANT FUNDING/OTHER FUNDING, if applicable (detailed explanation of grant/other funding, including the amount, source of funding, status, town match, if any. Attach award letter if available)																																																																						
	None at this time. For this and other pumping stations upgrades, the Town may want to consider the use of state loans at low interest. This will reduce the impact of high capital expenditures in one given year. However, it is important to recognize that the competition for state (loans or grants) funding is very fierce, and Waterford may not qualify, or may qualify very low in the list of state funding applicants.																																																																						
6	ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION																																																																						
	To be provided as a more comprehensive understanding of the work needed is secured.																																																																						
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**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY <u>Utility Commission</u>	CONTACT PERSON <u>Neftali Soto - Chief Engineer</u>
PROJECT NAME <u>Partial Upgrade - Remaining 17 Pumping Stations</u>	DEPARTMENT PRIORITY <u>10</u>

1	DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project) This project entails the evaluation and implementation of recommended measures associated with the rehabilitation and/or upgrading of the remaining 17 Gorman-Rupp pumping stations. As with all of our pumping stations, this stations are being well maintained by our maintenance staff. However, like any other infrastructure that has static as well as dynamic electro-mechanical components, fatigue and wear and tear significantly reduces the useful life of the structure. Our maintenance staff is keeping this and our other stations in great operational conditions, however, a complete evaluation and associated improvements might be necessary to insure that the useful life of the station is extended for the benefit of future generations. The Utility Commission is recommending the need to capital budget \$200,000 each during FY25, FY26, and FY27 to proceed with and complete these tasks.																																																																														
2	PROJECT STATUS IF IN PROGRESS Considering implementation.																																																																														
3	LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST None																																																																														
4	DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable) More efficient, safe, and reliable operation of the station with expected energy savings and operational reliability.																																																																														
5	GRANT FUNDING/OTHER FUNDING, if applicable (detailed explanation of grant/other funding, including the amount, source of funding, status, town match, if any. Attach award letter if available) None at this time. For this and other pumping stations upgrades, the Town may want to consider the use of state loans at low interest. This will reduce the impact of high capital expenditures in one given year. However, it is important to recognize that the competition for state (loans or grants) funding is very fierce, and Waterford may not qualify, or may qualify very low in the list of state funding applicants.																																																																														
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**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY Utility Commission	CONTACT PERSON Neftali Soto - Chief Engineer
PROJECT NAME Inflow and Infiltration Control and Mitigation	DEPARTMENT PRIORITY 11

1	DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project) This funding request is associated with our on-going inflow and infiltration (I/I) control and mitigation program. This program, although a bit delayed by the COVID-19 pandemic, still very active and it is our intention to, if permissible, accelerate this program this coming Spring. Under the current agreement between Waterford, East Lyme, and the City of New London, payment to the City is based on the actual cost for treatment distributed among the communities based on their proportional actual flow into the treatment plant. This flow not only includes generated wastewater, but also clean water that infiltrates or gain access via illegal connections, or infiltration areas in our collection system. This is a program that is on-going at the present there still funding available from previous appropriations. However, as our collection infrastructure ages other area not currently impacted may need to be corrected. The control of I/I needs to be done on a continuous basis. Once the current appropriations are depleted, and the success of the current program is evaluated, the funding figures herein requested will be re-visited.																																																																													
2	PROJECT STATUS IF IN PROGRESS On-going. Continuous implementation.																																																																													
3	LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST The need for efficient and reliable sewer jet rodding equipment and CCTV equipment. This is the equipment that is used to identify I/I into our collection system.																																																																													
4	DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable) More efficient, safe, and reliable operation of the station with expected energy savings and operational reliability due to the reduction of water that needs to be pumped. Extension of the life of pumping stations. Reclamation of capacity of the collection systems.																																																																													
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DEPARTMENT/AGENCY <u>Utility Commission</u>	CONTACT PERSON <u>Neftali Soto - Chief Engineer</u>
PROJECT NAME <u>Future SSES/CMOM</u>	DEPARTMENT PRIORITY <u>12</u>

1 DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project)							
The Town of Waterford embarked on a massive sewers extension program directed to protect our natural resources, improve our living standards, and to some degree provide the proper environment and infrastructure to attract industrial and commercial institutions. In recognition to the aging wastewater infrastructure nationwide, the EPA is in the process of expanding the Clean Water Act with new rules which will require municipal systems to develop and implement a formal Capacity, Management, Operation, and Maintenance Program (CMOM). The proposed CMOM program rules include requirements to continuously monitor and maintain wastewater collection systems in order to prevent sanitary sewers overflows (SSOs). In order to comply with this program, the municipality must continue to conduct detailed sanitary system evaluations and surveys (SSES). The UC, on its own, initiated its SSES program over ten years ago to safeguard the reliable, safe, and efficient operation of our system. Therefore, funds from the Sewer Development and Maintenance Fund (SDMF) are intended to be used for these endeavors.							
2 PROJECT STATUS IF IN PROGRESS							
Annual Activity							
3 LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST							
Grit Receiving Station, sewer pipes cleaning jet-rodder, and our CCTV equipment are major tools and components of this continuous evaluation.							
4 DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable)							
More efficient operation. Reduction on energy and treatment cost. Liability exposure reduction.							
5 GRANT FUNDING/OTHER FUNDING, if applicable (detailed explanation of grant/other funding, including the amount, source of funding, status, town match, if any. Attach award letter if available)							
The CTDEEP currently allows for a 20%/80% grant loan program for sewer repairs. However, although we have considered pursuing such funding, the competition for these funds across the state is very fierce. Other communities are awarded much higher priority.							
6 ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION							
Our whole collection system will be impacted.							
7 COST/FUNDING SOURCE							
	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2023	FY2024	FY2025	FY2026	FY2027
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund		\$ 33,000	\$ 33,000	\$ 33,000	\$ 33,000	\$ 33,000
3	Transfer to CNR						
4	Short/Long-term Bonds						
5	LoCIP (detail in section 5 above)						
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7	Federal/State Grants (detail in section 5)						
8	Other (detail in section 5 above)						
	TOTALS	\$ -	\$ 33,000	\$ 33,000	\$ 33,000	\$ 33,000	\$ 33,000

pump stations and Maintenance Building. The life expectancies of some of the structure features are past their useful life and require replacement. These upgrades include landscaping, tree removal, roofing, site lighting, doors, hardware, painting, siding, fencing and paving. It is recommended that the Utility Commission budget \$100,000 in 2016, and then \$50,000 each additional year for such improvements and replacements.

- **Long Term SSES Efforts/CMOM** - It is prudent operating practice to implement an annual program to routinely clean and inspect portions of the sewer system in order to avoid SSOs and prevent catastrophic failures. When promulgated, Federal CMOM rules will require a formal program to monitor the collection system in order to identify maintenance and repair requirements. This will include cleaning and TV inspections of the entire sewer system, along with inspections of every manhole. Currently, the Utility Commission has the necessary equipment and staff to perform this type of monitoring work and should continue these efforts by planning to CCTV 5 to 10 miles of gravity sewer piping each year with a focus on concrete gravity sewer piping to avoid pipe failure similar to that experienced on Logger Hill Road. From past I/I studies, select areas have been prioritized for additional SSES work including the Richards Grove, Stoney Brook, Bolles Court, Blue Hills, Evergreen and New London drainage areas.
- **New London Draft Order and Long Island Sound Nitrogen Reduction Payments** – All of the wastewater generated in Waterford is transported and treated at the New London Wastewater Treatment Plant (WWTP). As part of a terms and conditions of an inter-municipal agreement, Waterford is committed to make a yearly Long Island Sound Nitrogen Reduction payment to New London. Waterford will also be responsible for a percentage of the project costs associated with the next WWTP upgrade.

3 CAPITAL IMPROVEMENT PLAN

The Waterford system is relatively new. However, most of the sewers and pump stations are now over 40 years old and are experiencing an increasing need to address normal deterioration and wear. The Waterford Utility Commission should plan for the long-term repair and upgrade of the collection system in addition to routine operation and maintenance requirements. The

**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY

Utility Commission

CONTACT PERSON

Neftali Soto - Chief Engineer

PROJECT NAME

Wastewater Treatment Plant Sludge Storage Tanks

DEPARTMENT PRIORITY

Commitment

1 DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project)

The City of New London conducted an upgrade of their sludge storage tanks. See attached email from the NL Director of Utilities. As per the NL/EL/Waterford Wastewater agreement, Waterford is responsible for 30% of the final capital cost (about \$900,000). New London contributes 55% and East Lyme 15% of the capital cost. New London is planning to float a 20 yr. bond for this project. Annual payments for the Waterford contribution will be billed by NL to the UC. Please note that annual payments are currently made to NL by the UC for the installation of the nitrogen reduction infrastructure that was built about 17 year ago. Waterford's share of the debt service is paid by through the wastewater enterprise fund and does not affect the taxpayers, only the ratepayers. This payment will be made through the depreciation fund account established by New London to which Waterford makes contributions on an annual basis as part of the treatment cost. It is estimated that once the annual payments are prorated, our annual contribution payment would be in the neighborhood of \$46,000/yr.

2 PROJECT STATUS IF IN PROGRESS

Bids received. Work in progress.

3 LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST

4 DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable)

May trigger an adjustments to the sewer rates.

5 GRANT FUNDING/OTHER FUNDING, if applicable (detailed explanation of grant/other funding, including the amount, source of funding, status, town match, if any. Attach award letter if available)

The lead of this project is the City of New London. The project was bonded. Awaiting for detailed amortization schedule from the City.

6 ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION

See attached email from New London Director of Utilities

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2023	FY2024	FY2025	FY2026	FY2027
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund		\$46,000	\$46,000	\$46,000	\$46,000	\$46,000
3	Transfer to CNR						
4	Short/Long-term Bonds						
5	LoCIP (detail in section 5 above)						
6	CNR Undesignated Fund Balance						
7	Federal/State Grants (detail in section 5)						
8	Other (detail in section 5 above)						
	TOTALS		\$46,000	\$46,000	\$46,000	\$46,000	\$46,000

**CITY OF NEW LONDON
DEPARTMENT OF PUBLIC UTILITIES**

INTERDEPARTMENTAL MEMORANDUM

TO: City Council thru Mayor Michael Passero

FROM: Joe Lanzafame, Director of Public Utilities

DATE: February 28, 2017

RE: Request to Accept Low Rebid for City of New London
Sludge Storage Tank Rehabilitation
For Council Approval on March 20, 2017



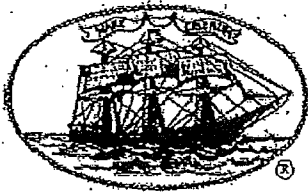
Please see attached communication from Alicia Smith, Purchasing Agent for the City of New London. I have reviewed rebids received for the City of New London and after doing so I determined that C.H. Nickerson's rebid was substantially complete. I, respectfully, request Council's approval relative to same. C.H. Nickerson was the low bidder at \$1,689,844.00

As always, thank you for your support. If you have any questions, please do not hesitate to contact me at (860) 437-6365.

mgm
attachment

copy to: Finance/Purchasing
Jenny Startz, Council Office

4.0 3-16-17



City of New London

Department of Finance-Purchasing Agent

13 Masonic Street • New London, CT 06320 • Phone (860) 447-5215 • Fax (860) 447-5297

INTERDEPARTMENTAL MEMORANDUM

DATE: February 24, 2017
TO: Joseph Lanzafame, Public Utilities Administrator
FROM: Alicia Smith, Purchasing Agent/Accountant *AS*
SUBJECT: IFB 2017-08 (Re-Bid) Sludge Storage Tank Rehabilitation Project

Today I publicly opened three (3) bids received in response to the Invitation for Bids (IFB) – Sludge Storage Tank Rehabilitation Project (re-bid). Bidding was done in accordance with the City's purchasing ordinance. A legal advertisement was published in *The Day* and the IFB was posted on the following three websites, the City of New London, the State of Connecticut Department of Administrative Services and Public Purchase.

Bidders are:

Structural	\$3,510,723.75
Delray Contracting	\$2,166,541.00
C.H. Nickerson	\$1,689,844.00

Attached for your review and recommendation is a copy of the Bid Tabulation Form. Included are copies of the three bids received. Please forward your written recommendation, including the account number to which this work will be charged, at your earliest convenience. Upon City Council approval of award, I will issue the letter of award and notice to proceed.

**City of New London
Connecticut**

Bid Tabulation Form

Bid No.: 2017-08 (Re-Bid)
Project: Sludge Storage Tank Rehabilitation
Bid Opening Date and Time: February 24, 2017 @ 2:00pm

		Structural 1755 Highland Ave., Bldg B Cheshire, CT 06410		Delray Contracting, Inc. 10 Nutmet Drive Ellington, CT 06029		C.H. Nickerson & Co., Inc. 49 Hayden Hill Rd Torrington, CT 06790			
Item No.	Description	Lump Sum		Lump Sum		Lump Sum		Lump Sum	
1)	Lump sum base bid price	\$ 3,266,670.00		\$ 1,969,666.00		\$ 1,605,769.00			
2)	Total extended unit base bid price	\$ 244,053.75		\$ 196,875.00		\$ 84,075.00			
	Item #1: Replace 10" BS 1 EA	\$ 10,300.00	\$ 10,300.00	\$ 22,500.00	\$ 22,500.00	\$ 4,000.00	\$ 4,000.00		
	Item #2: Replace 10" TS 1 EA	\$ 8,230.00	\$ 8,230.00	\$ 22,500.00	\$ 22,500.00	\$ 4,000.00	\$ 4,000.00		
	Item #3: Detail 1 on Sheet DL-001 375 SF	\$ 121.65	\$ 45,618.75	\$ 100.00	\$ 37,500.00	\$ 35.00	\$ 13,125.00		
	Item #4: Detail 2 on Sheet DL-001 200 SF	\$ 115.45	\$ 23,090.00	\$ 100.00	\$ 20,000.00	\$ 35.00	\$ 7,000.00		
	Item #5: Detail 3 on Sheet DL-001 700 SF	\$ 176.30	\$ 123,410.00	\$ 100.00	\$ 70,000.00	\$ 50.00	\$ 35,000.00		
	Item #6: Detail 4 on Sheet DL-001 90 SF	\$ 204.50	\$ 18,405.00	\$ 125.00	\$ 11,250.00	\$ 50.00	\$ 4,500.00		
	Item #7: Detail 7 on Sheet DL-001 25 SF	\$ 200.00	\$ 5,000.00	\$ 125.00	\$ 3,125.00	\$ 258.00	\$ 6,450.00		
	Allowance for disposal of lead/Asbc 1 Allowance	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00		
	Total Bid Price	\$ 3,510,723.75		\$ 2,166,541.00		\$ 1,689,844.00		\$ -	



February 28, 017

Joseph Lanzafame, P.E.
Director of Public Utilities
City of New London
120 Broad Street
New London, CT 06320

**Subject: Recommendation of Contract Award
New London WWTP Sludge Storage Tanks Rehabilitation Project
Contract Number 2017-11**

Dear Mr. Lanzafame:

We have completed our bid evaluation for the Sludge Storage Tanks Rehabilitation Project. On February 24, 2017 three bids were received for the above referenced project. Attached is the Bid Tabulation provided by the City of New London Purchasing Department. The apparent low bid was submitted by C.H. Nickerson in the amount of \$1,689,844. This evaluation consisted of reviewing the bid results and a limited review of the bid documents provided as part of the bid. This evaluation focuses on the bid pricing and bidder's qualifications. This memorandum summarizes the results of our bid evaluation and represents our recommendations.

The following additional documentation, which was submitted with the bid, was also provided to CH2M: Bid Proposal Form, Bid Bond, Non-Collusion Affidavit of Prime Bidder, Statement of Bidder's Qualifications, Affirmative Action Policy Statement, Certification of Bidder Regarding Equal Employment Opportunity, Certification of Non-Segregated Facilities, Bid Addendum, and DAS Contractor Prequalification Certificate and Update Statement. CH2M provided a cursory review to confirm all required information was submitted. Based on the information provided, we found that C.H. Nickerson has provided substantially complete information.

Bid Form (Section 00 41 13):

The work to be performed under this contract is divided into lump sum and unit price work.

The Engineers Estimate for the lump sum plus unit price work is \$2,300,000. The bid form submitted as part of the C.H. Nickerson bid is \$1,689,844 which is 27% less than the Engineers Estimate, and outside the estimate accuracy of -15% and +20%; however, the estimate was completed prior to the bidding period. During the bidding period the construction timeline was increased and an alternate product proposed by DN Tanks was accepted. In discussions with C.H. Nickerson these changes had a significant impact on their bid.

Joseph Lanzafame

Page 2

March 1, 2017

Based on our evaluation of the bid prices and discussions with C.H. Nickerson the submitted project cost of \$1,689,844 is fair and reasonable.

Bidder Qualifications and Experience:

C.H. Nickerson & Co., Inc. provided a complete Statement of Bidd's Qualifications with the bid as required and attached a Statement of Bidders Qualifications which included Contracts on Hand, Major Contracts Recently Completed, Major Available Equipment, Similar Experience, and Principal Members Experience.

Information provided in the Bid indicate that C.H. Nickerson & Co., Inc. has previous experience constructing the type of work in this contract and has a good record of successful performance based on the projects that are listed in the Bid.

The bid failed to list proposed Subcontractors as required in the Bid Form, Section 00 41 13 Paragraph 7.1.7. During discussion with C.H. Nickerson they have indicated they plan on using DN Tanks for structural rehabilitation work and on page 2 of the Statement of Bidder's Qualifications the work to be done by Subcontractors and dollar value was listed as Shotcrete and coatings, \$900,000.

Based on our evaluation of the bid and our subsequent discussions with C.H. Nickerson, we recommend award of the contract to the bidder C.H. Nickerson in the amount of \$1,689,844.

This information should be combined with your own evaluation to make the final award decision.

Sincerely,

Stephen Clark PE
Project Manager

cc: Eric Muir/CH2M

**City of New London
Connecticut**

Bid Tabulation Form

Bid No.: 2017-08 (Re-Bid)

Project: Sludge Storage Tank Rehabilitation

Bid Opening Date and Time: February 24, 2017 @ 2:00pm

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	Total Bid Price	\$ 3,510,723.75		\$ 2,166,541.00		\$ 1,889,844.00		\$ -	

**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

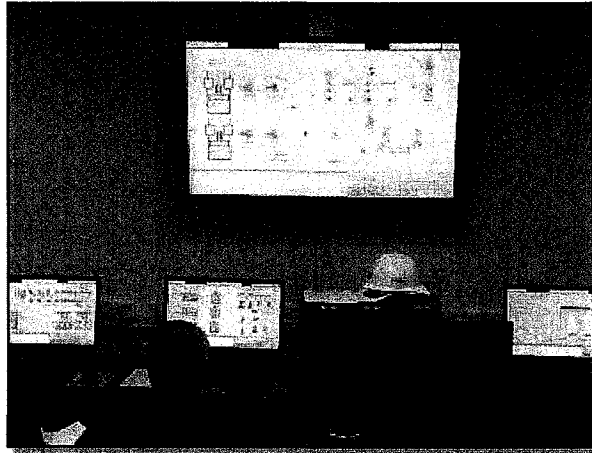
DEPARTMENT/AGENCY <u>Utility Commission</u>	CONTACT PERSON <u>Neftali Soto - Chief Engineer</u>
PROJECT NAME <u>Grinder Pumps Replacement</u>	DEPARTMENT PRIORITY <u>13</u>

1	DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project)																																																																						
	This activity entails the securing of funds through the WW Enterprise Fund for the replacement of individual grinder pumps that the Utility Commission has the responsibility to maintain. At this time, we are still responsible for about 100 grinder pumps located on private property. Due to age, many of them fail and repairs are not justified. This is a continuation of our annual program of grinder pumps replacement, and it is funded through the Enterprise Fund.																																																																						
2	PROJECT STATUS IF IN PROGRESS																																																																						
	This is an annual program.																																																																						
3	LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST																																																																						
	None.																																																																						
4	DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable)																																																																						
	This will optimize the utilization of our staff in other [more pressing] tasks. It will also the reduce the [out of working hours] call outs due to failure of pumps. Grinder pumps is an appliance which, as we know, have a certain life expectancy and after that time repairs are not justified.																																																																						
5	GRANT FUNDING/OTHER FUNDING, if applicable (detailed explanation of grant/other funding, including the amount, source of funding, status, town match, if any. Attach award letter if available)																																																																						
6	ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION																																																																						
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the need to budget approximately \$65,000 over the next 10 years (not including inflation).

- **SCADA System Equipment Upgrades** –

The Waterford Utility Commission is currently in the process of installing an upgraded SCADA system to monitor and remotely control their sewer pump stations. Funding has been procured, RFPs have been received, and a contract award is anticipated in 2015. As technology progresses, hardware,



Typical SCADA System Server/Central Station

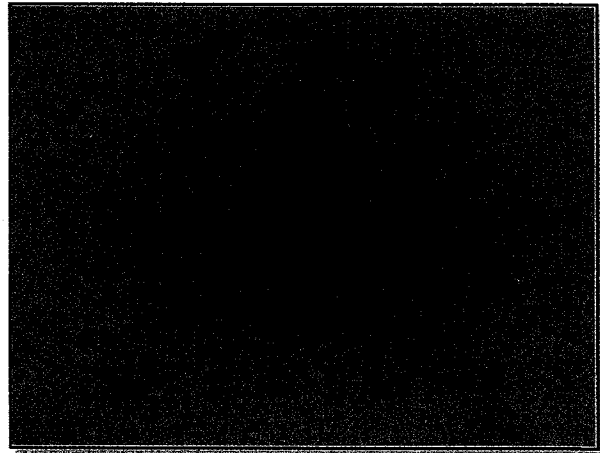
such as the programmable logic controllers (PLCs), and software are no longer supported and require replacement. The Utility Commission should be planning on the need to budget approximately \$200,000 in 10 years (not including inflation) to purchase newer more efficient hardware and software packages for their SCADA system.

- **Individual Property Grinder Style Pump Stations** - The Waterford Utility Commission is also responsible for the operation and maintenance of approximately 135 individual property grinder style pump stations. This number will continue to reduce based on a May 2004 ordinance changing the responsibility of the operation and maintenance of these grinder stations to the property owner. The Utility Commission also provides a user fee credit to each property for the electrical cost to operate each town owned station. Utility Commission staff routinely addresses equipment problems with these stations and reportedly have the equivalent of 0.5 staff members dedicated to this effort. Based on our current understanding of this program, it appears that it results in an overall lower equivalent user fee for properties with pumping systems, compared to those without pumping systems.

As with the rest of the collection system, the mechanical, electrical and structural components of these systems are aging, and it is projected that major components will need to be replaced over the next 10 to 15 years. Based on an assumed replacement cost of \$2,500 for each individual unit, the Utility Commission should be planning on the need to budget approximately \$338,000 over the next 10 to 15 years (not including inflation). Upon replacement of the remaining 135 stations, this CIP line item will be phased out.

- **Sewer Pipe/Manhole Repairs and I/I Remediation** - One of the goals of the SSES program will be to identify sewer improvements and repair needs. This can include a variety of spot repairs up to full replacement of sewers and manholes. Until specific needs are identified, it is difficult to determine when the repairs will be needed, and what the cost will be to perform the repairs. One approach to determine the budget costs for sewer repair over time is to assume that all the sewers will eventually need to be replaced. Sewer replacement costs can vary considerably depending on size, depth, groundwater elevation and location.

Assuming an overall current average cost of \$150/foot for sewer construction, the 142 miles of sewers in Waterford have an approximate replacement cost value of \$112 million, not including the pump stations. If it is assumed that the sewers will be gradually replaced over a period of 500 years, this would equate to an annual budget of



Pipe Infiltration

approximately \$225,000 per year which could be allocated to sewer repair or replacement or approximately \$3.40 million over 15 years (not including inflation). This line item can also be used to fund emergency repairs and sewer manhole lining, raising or replacement as a supplement to repairs that the WUC cannot complete on their own. Additional

**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY Utility Commission	CONTACT PERSON Neftali Soto - Chief Engineer
PROJECT NAME Pleasure Beach Water Lines Replacement	DEPARTMENT PRIORITY 14

1	DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project) This funding request is associated with a program that was initiated around 2005 with the intention of replacing some water mains at the Pleasure Beach area that were experiencing breaks that New London described as abnormal, and complained about the conditions. However, the City did not provide data defining the abnormality of breaks. The Town of Waterford, in good faith, replaced some pipes on various roads of the Pleasure Beach area. Due to the decrease of such water main breaks, the pipes replacement program was halted. Funds are still requested for future years in case such water main breaks, which will affect the reliability of the distribution system, may surface again.																																																																														
2	PROJECT STATUS IF IN PROGRESS No further action, unless necessary as explained above.																																																																														
3	LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST None.																																																																														
4	DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable) O&M of the water system is the responsibility of the City of New London. Waterford responsible for capital.																																																																														
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**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY <u>Utility Commission</u>	CONTACT PERSON <u>Neftali Soto - Chief Engineer</u>
PROJECT NAME <u>Barlett Corner Water Pressure Booster (PS) Decommission</u>	DEPARTMENT PRIORITY <u>15</u>

1	DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project) This funding request is associated with expenditures that might be necessary to fully decommission the Barlett Corner Water Pressure Booster Station. This station was constructed many years ago as a component of a hydro-pneumatic system that was used to increase water pressure at the northern Quaker Hill area. Due to pressure deficiencies at other areas of Quaker Hill a new booster station with a water storage standpipe was constructed in 2008, as part of the Thames River Drinking Water Inter-connection project, initiated by the Mohegan Tribe. Once this new system was activated, the Barlett Corner system was no longer needed, and taken out of service. The booster station and the building are still standing. Our maintenance staff uses the building as a staging area and to store materials on the northern side of town. The decommissioning of the station is not a high priority, but funding in the future may be required to either demolish the building and remove old components or, recondition the building for the use of the WUC maintenance staff and limited storage.																																																																													
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