Water Treatment Plant Security Fence, Gates, and Guardrails - Bid # 16-32

April 14, 2016

2:30 PM

1. Dulura Fence Company ~~$ 21052.50~~ 20,052.50
2. GCHAA $ 36,381.00
3. Premier Fence 22690.00
4. Four Season Fence $ 23800.00
5. Vermont Recreational Surfacing & Fencing $ 16,865.00

4/14/16

Kenneth Mills

SCOPE OF WORK
Bid Proposal Form

Work Description: The City of Rochester is soliciting bids for replacement of the Water Treatment Plant Security Fence, Gates, and Guardrails, as detailed below. All equipment shall include a Manufacturers Standard One-Year Warranty.

The selected contractor will be required to meet Davis Bacon Wage schedules and comply with all associated reporting activities. See Attachment A (page 10) & B (page 14)
Bidders on this work must demonstrate compliance with the United States Environmental Protection Agency's MBE/WBE policy in order to be deemed a responsible bidder.

All construction methods and materials shall be in accordance with BOCA codes. All work shall be performed in accordance with all applicable federal, state and local regulations.
Details:

-Install 32 feet of 8 foot galvanized chain link fence with 1 foot of barbwire on each side of entrance gate.
-Install 30 feet of 8 foot galvanized chain link fence with 1 foot of barbwire with a 12 foot double swing gate on the back of the property.
-Install/replace a total of 665 feet of steel guardrail with posts on each side of front entrance (approximately 300 feet on the easterly side, and 365 feet on the westerly side).

Precise locations and placement to be field verified.

All bids must include a cut sheet of proposed materials. Disposal of material is the responsibility of the contractor.

The contractor will need to coordinate with city staff to develop a schedule that does not interfere with deliveries, operations, or site security.

Company Name: DeLucca Fence Company, Inc.

Address: 5 Old Ferry Rd., Methuen, MA 01844

Telephone# 978-688-2877 Fax# 978-688-6030 E-mail bjdelucca-rea@deluccafence.com

Barbara J. DeLucca-Rea, President
Print Name

Barbara DeLucca Rea
Authorized Signature

April 14, 2016
Date

Total Amount of Project $ 20,052.50

Estimated time to complete Per Requirements

Bid results will be posted after 48 hours on the City of Rochester's web site: www.rochesternh.net or will be available by request via e-mail at the following address: purchasing @rochesternh.net.

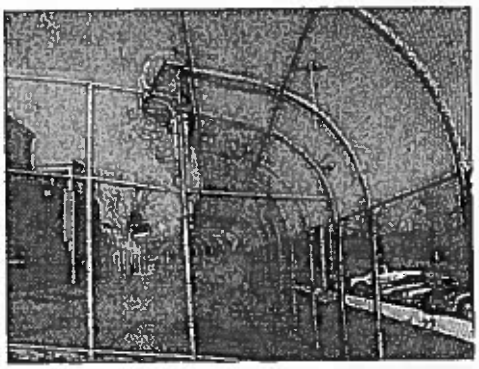
OnGuard Galvanized Fencing System

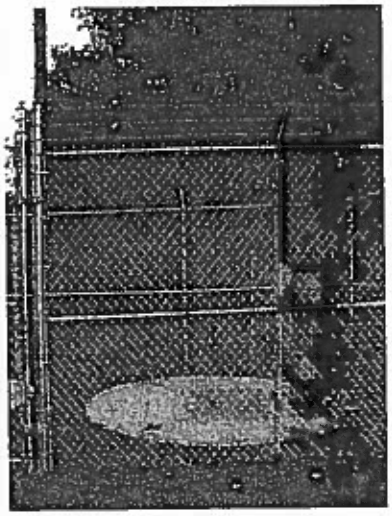
ASTM A-392 for Fabric, ASTM 1043 for Framework, ASTM F 626 for Fittings

Join America's fastest growing distributor of chain link fencing: Stephens Pipe and Steel's Galvanized coated fabric, framework, and fittings. Manufactured to exacting specifications, our galvanized system combines the strength and security of chain link with the durability of an exceptional galvanized coating. Our product emerges from manufacturing with a smooth finish that resists corrosion in the worst weather and environmentally harsh conditions.

OnGuard FABRIC

Stephens Pipe and Steel's galvanized fabric meets or exceeds the requirements of ASTM A-392 , RR-F-191, and AASHTO M-181. It is available in 1.2 oz and 2 oz in a wide selection of gauges, heights, and meshes. Mini Mesh is our specialty.
Call for a prompt quotation.





OnGuard Framework and Accessories

Our framework materials are manufactured to meet the most rigid government and A.S.T.M. specifications. Our industrial grade of galvanized framework is offered in Schedule 40, SS 40, 30, 20 type products, and structural weight pipe. Of course a wide variety of tubing weight products are available. All of these in a wide choice of O.D.s and Gauges that can be cut-to-length to meet your exact needs. All of our hardware items are manufactured in accordance with ASTM 626.

Contact

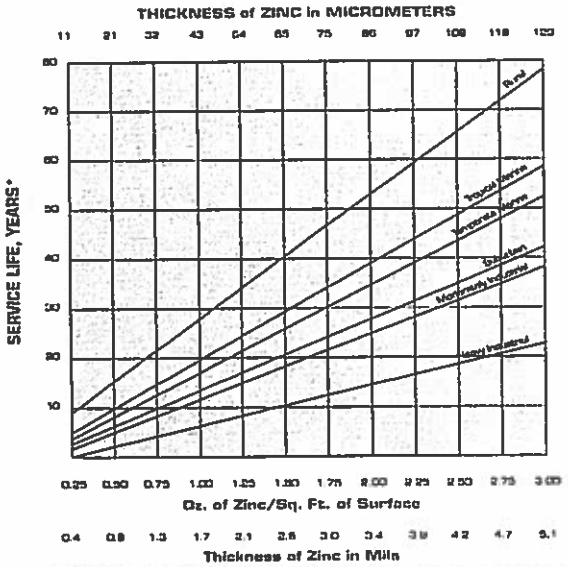
Ted Eysenbach, General Manager
Stephens Pipe & Steel, Inc.
P.O. Box 618, Hwy 619
Russell Springs, Kentucky 42642
800 451 2612 Fax 270 866 4412

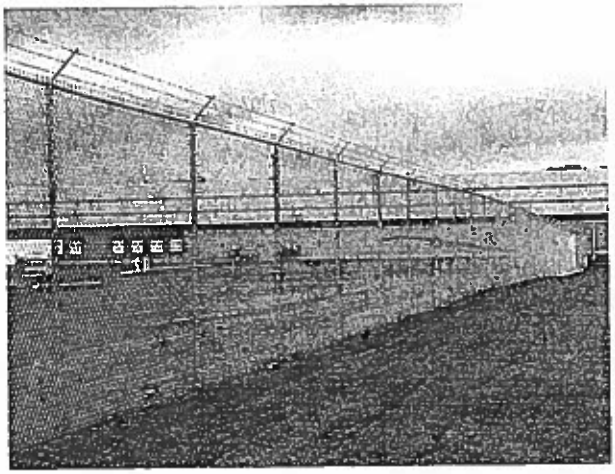
Stephens Pipe & Steel, Inc.

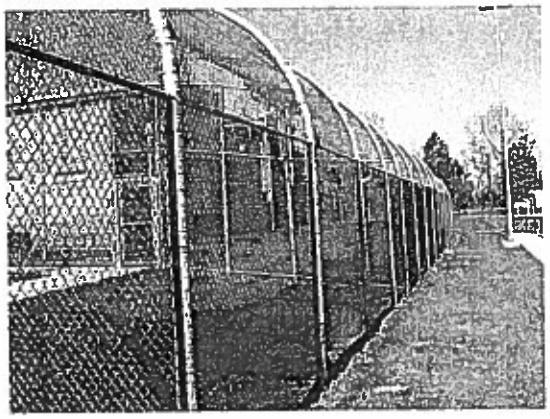
Stephens Pipe & Steel, LLC

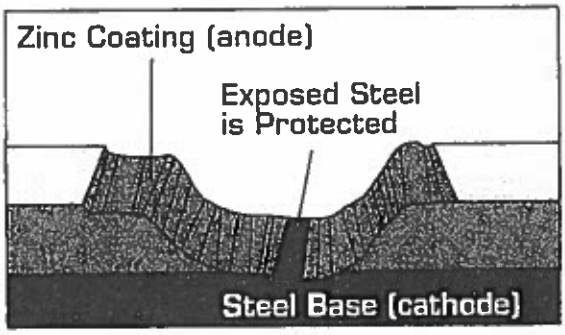
G.A.W. Galvanized Chain Link Fabric

Stephens Pipe & Steel, LLC has been a supplier to the Chain Link fence industry for nearly 30 years. So take our word for it... pound for pound nothing beats Galvanized After Weaving (GAW) fabric for durability, corrosion resistance, and value. Stephens Pipe and Steel's *Made in the USA* GAW fence fabric provides exceptional security and protection for any commercial, industrial, and residential project. Manufactured to exacting standards at our plant in Mount Sterling, Ohio, our chain link fabric meets or exceeds the requirements of ASTM A392-96, Class 1 and 2, RR-F-191-1D, and the full range of state and federal highway specifications. It fully complies with the requirements of the domestic content provisions of the *Buy America and Buy American Act.* Available in a wide range of heights, gauges, and mesh/selvage options we have the fabric for any industrial, commercial, high security, or marine application. Specify Stephens Pipe and Steel's GAW Hot dip Galvanized Chain Link Fabric for your next project. It's built to last!





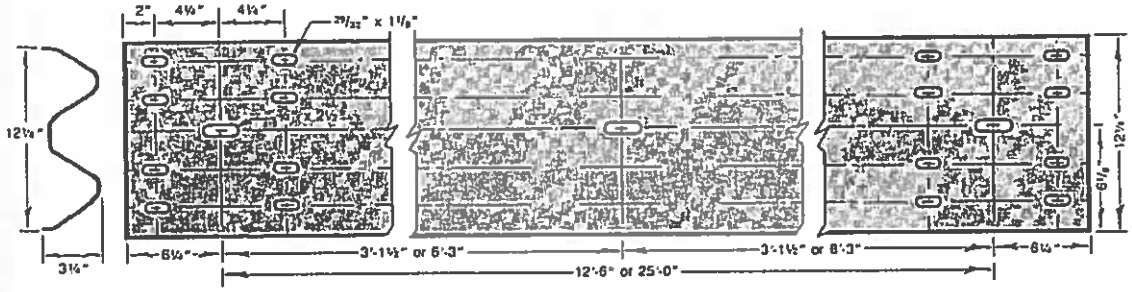


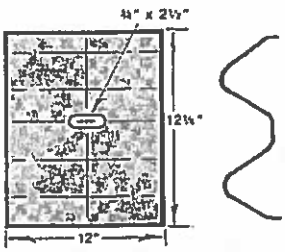


When Zinc is scratched the coating slowly sacrifices itself by galvanic action to protect the raw steel substrate.

Stephens Pipe & Steel, LLC P.O. Box 618, 2224 East Highway 619 Russell Springs, KY 42642
800 451 2612 270 866 3331 Fax 270 866 4412 info@spsfence.com

"W" Beam Guardrail





Back-up Plates

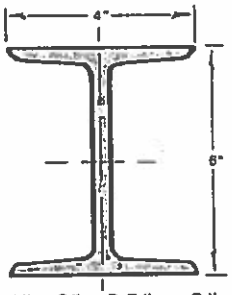
"W"-Beam Guardrail Per AASHTO Specification M-180

Class A — 12 gauge (.105 nom.)
Class B — 10 gauge (.135 nom.)

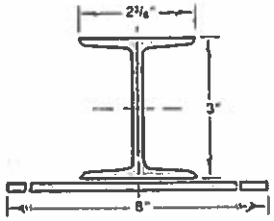
Types
Type 2 — Zinc Coated 3.6 oz./sq. ft.
Type 3 — Unfinished Beam *(to be painted)*
Type 4 — Corrosion Resistant Steel *(weathering)*

Standard Lengths are 12'6" and 25'0"
(Special lengths available upon request)

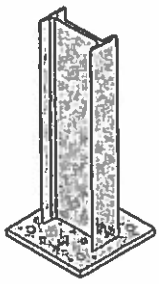
Posts and Blocks



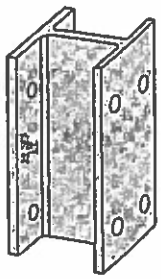
4" × 6" × 8.5# or 9#
Any length posts
(heavier structural
shapes available)



3" × 5.7# × 5'3"
Standard Beams
with or without
welded deflection plate
(8" × 24")



Post on Plate
all sizes structural
various plate sizes
any length



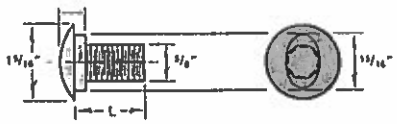
4" × 6" × 8.5# or 9#
13" or 14" Standard
any length available

Available Hot Dip Galvanized or Corrosion Resistant Steel

Galvanized Hardware

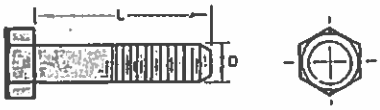
(Some items available in corrosion resistant steel)

Button Head Bolt and Recessed Nut



L = 1¼" for splice bolt
L = 2" for steel post bolt
L = 4½" for rub rail post bolt
L = 10", 16", or 18" For wood or concrete post bolt

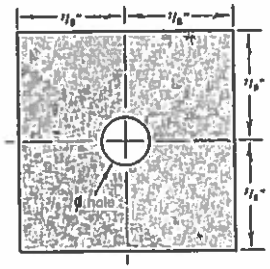
Hex Head Bolt and Nut



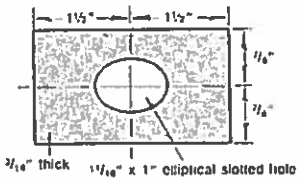
5/16 dia. × 1¾" long post bolt
½ dia. × 1½" long support bolt
5/8 dia. × 1½" long block bolt
¾ dia. × 1½" long block bolt
¾ dia. × 18" long anchor bolt
7/8 dia. × 18" long anchor bolt

Washers

Square

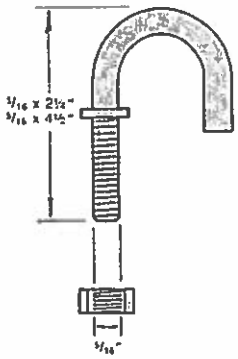


Rectangular



Round

Hook Bolts



SCOPE OF WORK
Bid Proposal Form

Work Description: The City of Rochester is soliciting bids for replacement of the Water Treatment Plant Security Fence, Gates, and Guardrails, as detailed below. All equipment shall include a Manufacturers Standard One-Year Warranty.

The selected contractor will be required to meet Davis Bacon Wage schedules and comply with all associated reporting activities. See Attachment A (page 10) & B (page 14)
Bidders on this work must demonstrate compliance with the United States Environmental Protection Agency's MBE/WBE policy in order to be deemed a responsible bidder.

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Precise locations and placement to be field verified.

All bids must include a cut sheet of proposed materials. Disposal of material is the responsibility of the contractor.

The contractor will need to coordinate with city staff to develop a schedule that does not interfere with deliveries, operations, or site security.

Company Name: GC AAA Fences, Inc

Address: 294 Durham Rd Dover, N.H. 03820

Telephone# 603-742-0833 Fax# 603-743-4475 E-mail mike@gcaaafences.com

Michael Carpenter
Print Name

Michael Carpenter 3-31-16
Authorized Signature Date

Total Amount of Project $ 36,381.00

Estimated time to complete 30 Days from confirmation

Bid results will be posted after 48 hours on the City of Rochester's web site: www.rochesternh.net or will be available by request via e-mail at the following address: purchasing @rochesternh.net.

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The contractor will need to coordinate with city staff to develop a schedule that does not interfere with deliveries, operations, or site security.

Company Name: PREMIER FENCE, LLC

Address: 1010 TURNPIKE ST. CANTON, MA. 02021

Telephone# 781-821-5900 Fax# ~~FAX~~ 781-562-1645 E-mail JOHNF@PREMIER-FENCE.COM

JOHN FEERICK
Print Name

Authorized Signature

4/1/16
Date

Total Amount of Project $ 22,696.00

Estimated time to complete ONE WEEK

Bid results will be posted after 48 hours on the City of Rochester's web site: www.rochesternh.net or will be available by request via e-mail at the following address: purchasing @rochesternh.net.

ADDENDUM NO. 1

CITY OF ROCHESTER, NEW HAMPSHIRE

BID #16-32 Water Treatment Plant Security Fence, Gates and Guardrails

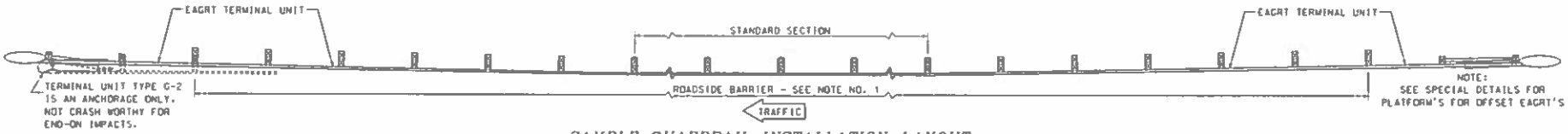
This addendum amends and/or supplements the bid documents as indicated below. Only these items alter the Bid Documents.
This addendum may also be obtained from City of Rochester's web site: www.rochesternh.net or will be available by request via e-mail at the following address: purchasing@rochesternh.net

Addendum is also available by written requests addressed as follows:

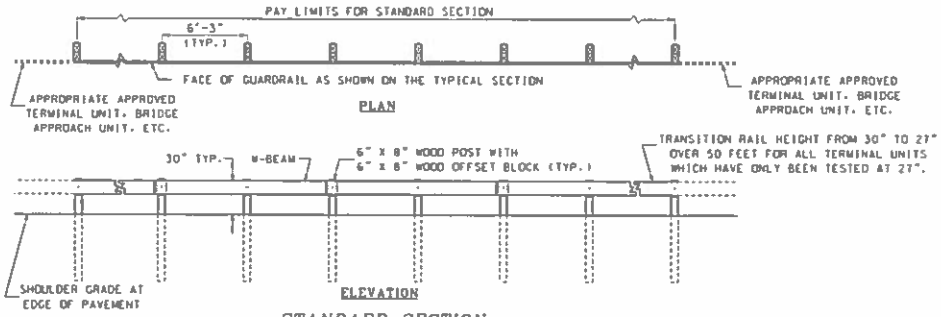
Bid # 16-32 Water Treatment Plant Security Fence, Gates, and Guardrails
City of Rochester, New Hampshire
31 Wakefield St.
Rochester, NH 03867
Attn: Purchasing Agent

CLARIFICATIONS AS FOLLOWS:

1. **Bid Proposal Form Revision-** In the scope of work on page 2 the following revisions reply.
    1. The Contractor will leave recyclable metal aside in an area designated by the City of Rochester All other material will be disposed of by the contractor.
    2. The quotation should be lump sum.
    3. The guardrail posts shall be wood posts.
    4. The rails shall be galvanized steel.
    5. The end treatment used for the rails should be half rounded ends.

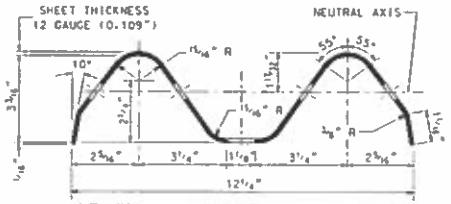


SAMPLE GUARDRAIL INSTALLATION LAYOUT



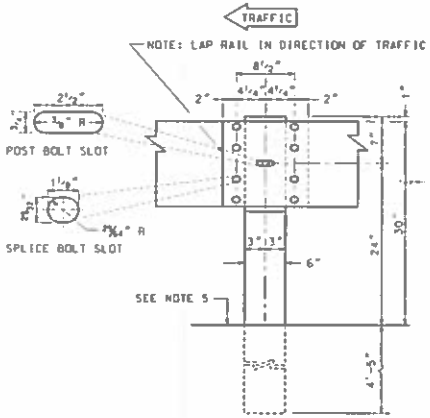
STANDARD SECTION

ITEM: 606.140 - BEAM GUARDRAIL (STANDARD SECTION-WOOD POSTS)
PAID: LINEAR FOOT
USE: REPAIR OF EXISTING STRONG WOOD POST W-BEAM RUNS.



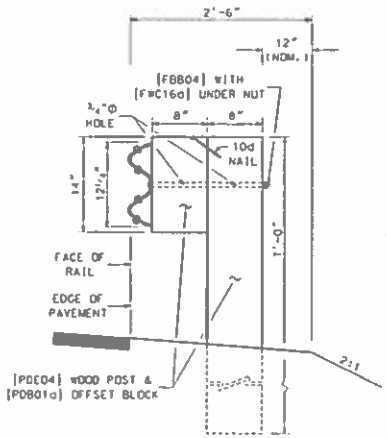
SECTION THRU RAIL ELEMENT

14 SPACE W-BEAM GUARDRAIL DESIGNATED RWM04a (NOMINALLY 12'-6") (8 SPACE W-BEAM GUARDRAIL UNDESIGNATED AT THIS TIME (NOMINALLY 25'-0")



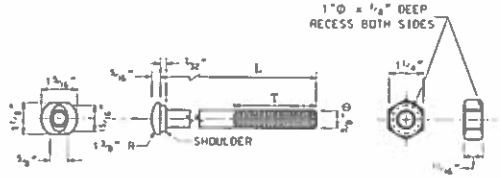
LINE POST ELEVATION VIEW AT BEAM SPLICE

(SHOWN WITHOUT FASTENERS)



TYPICAL SIDE VIEW

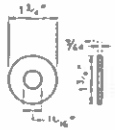
(SHOWN WITH FASTENERS)



DESIGNATOR	L	T	INTENDED USE
FBB01	1 1/4"	FULL LENGTH THREAD	RAIL SPLICE BOLTS
FBB03	10"	4" MIN. THREAD LENGTH	POST BOLT
FBB04	18"	4" MIN. THREAD LENGTH	POST BOLT (WOOD POSTS)

5/8" BUTTON HEAD BOLT AND RECESSED NUT

(FBB01-04)



WASHER

(FWC16a)

GENERAL NOTES

1. THE DEFINITION OF ROADSIDE BARRIER IS PER THE LATEST ADOPTED EDITION OF THE AASHTO ROADSIDE DESIGN GUIDE. EXCLUDED FROM THIS IS THE GATING PORTION OF A GUARDRAIL TERMINAL UNIT OR CRASH CUSHION AS WELL AS THE ENTIRE G-2 TERMINAL UNIT.

2. ITEMS IN BRACKETS [ ] ARE *STANDARD ELEMENTS* DESCRIBED IN AASHTO'S "A GUIDE TO STANDARDIZED HIGHWAY BARRIER HARDWARE".

3. ONLY USE RECTANGULAR PLATE WASHERS (FWR03) WHERE SHOWN ON THE OTHER STANDARD SHEETS OR AS REQUIRED BY THE MANUFACTURERS FOR THEIR PROPRIETARY PRODUCTS.

4. USE 12'-6" LENGTH RAIL ELEMENTS IN RAIL CURVES OF LESS THAN 100' RADIUS.

5. ESTABLISH RAIL HEIGHT AS FOLLOWS:
   A) SET THE HEIGHT OF RAIL FROM THE EDGE OF THE PAVEMENT (EP) WHEN THE FACE OF RAIL IS AT THE EDGE OF PAVEMENT.
   B) SET THE HEIGHT OF RAIL FROM THE GROUND AT THE FACE OF RAIL WHEN:
      I) THE FACE OF RAIL IS OFFSET FROM THE EP AND THE CROSS SLOPE FROM THE EP TO THE FACE OF RAIL IS 10:1 OR FLATTER OR
      II) THE FACE OF RAIL IS AT THE BACK OF A CURBED SIDEWALK AND THE CURB IS AT THE EDGE OF PAVEMENT
   C) WHEN SITUATIONS OTHER THAN THOSE DESCRIBED IN A OR B ABOVE ARE ENCOUNTERED, ESTABLISH RAIL HEIGHT THROUGH AN ENGINEERING REVIEW TO ENSURE APPROPRIATE SYSTEM PERFORMANCE.

6. USE OF POSTS SHORTER THAN 7', BUT NOT LESS THAN 6'-0" LONG, IS ONLY ALLOWED UNDER THE FOLLOWING CONDITIONS:
   A) WHERE THERE IS A MINIMUM DISTANCE OF 1' FROM THE BACK OF THE GUARDRAIL POST ALONG A 10:1 OR FLATTER SLOPE TO THE SLOPE BREAK OF A 4:1 OR FLATTER SLOPE OR
   B) WHERE THERE IS A MINIMUM DISTANCE OF 2' FROM THE BACK OF THE GUARDRAIL POST ALONG A 10:1 OR FLATTER SLOPE TO THE SLOPE BREAK OF A STEEPER THAN 4:1 STABLE SOIL OR STONE LINED SLOPE. THE TERM STABLE INCLUDES NOT SHOWING SIGNS OF SLOPE MOVEMENT (SUCH AS DEPRESSIONS, CRACKS PARALLEL TO THE ROADWAY, ETC.) OR ACTIVE EROSION.

7. THE FHWA HAS LISTED OFFSET BLOCKS ON THEIR WEBSITE THAT ARE ELIGIBLE FOR FEDERAL PARTICIPATION PER NCHRP 350 TEST LEVEL 3 CRITERIA. OTHERS MAY BE ADDED UNDER MASH AT TEST LEVEL 3 OR HIGHER IN THE FUTURE. SOME OF THESE OFFSET BLOCKS HAVE OR MAY HAVE DIMENSIONS THAT VARY MORE THAN WOULD BE CONSIDERED WITHIN THE NORMAL CONTEXT OF NOMINAL DIMENSIONS. IN ORDER TO USE ANY OFFSET BLOCKS THAT HAVE OTHER THAN THE NOMINAL DIMENSIONS AS SHOWN ON THE PLANS, THE FOLLOWING APPLIES:
   A) THE FACE OF RAIL SHALL REMAIN AT THE EDGE OF PAVEMENT OR AT THE INDICATED LOCATION AS SHOWN ON THE PLANS, AND
   B) THE DISTANCE FROM THE BACK OF THE POST TO THE BREAK IN THE SLOPE SHALL NOT BE LESS THAN WHAT IS SHOWN ON THE PLANS BUT IT MAY BE MORE.
   C) ALL OTHER REQUIREMENTS OF THE PERTINENT SPECIFICATIONS AND DETAILS REMAIN IN FORCE.

GUARDRAIL STANDARD

BEAM GUARDRAIL STANDARD SECTION-WOOD POSTS & HARDWARE DETAILS

STANDARD NO. GR-2A

REVISION DATE
07-13-2001
06-16-2010
08-19-2015

* DGN FILE NAME: GR-2A

STANDARD PLANS

New Hampshire DOT Department of Transportation

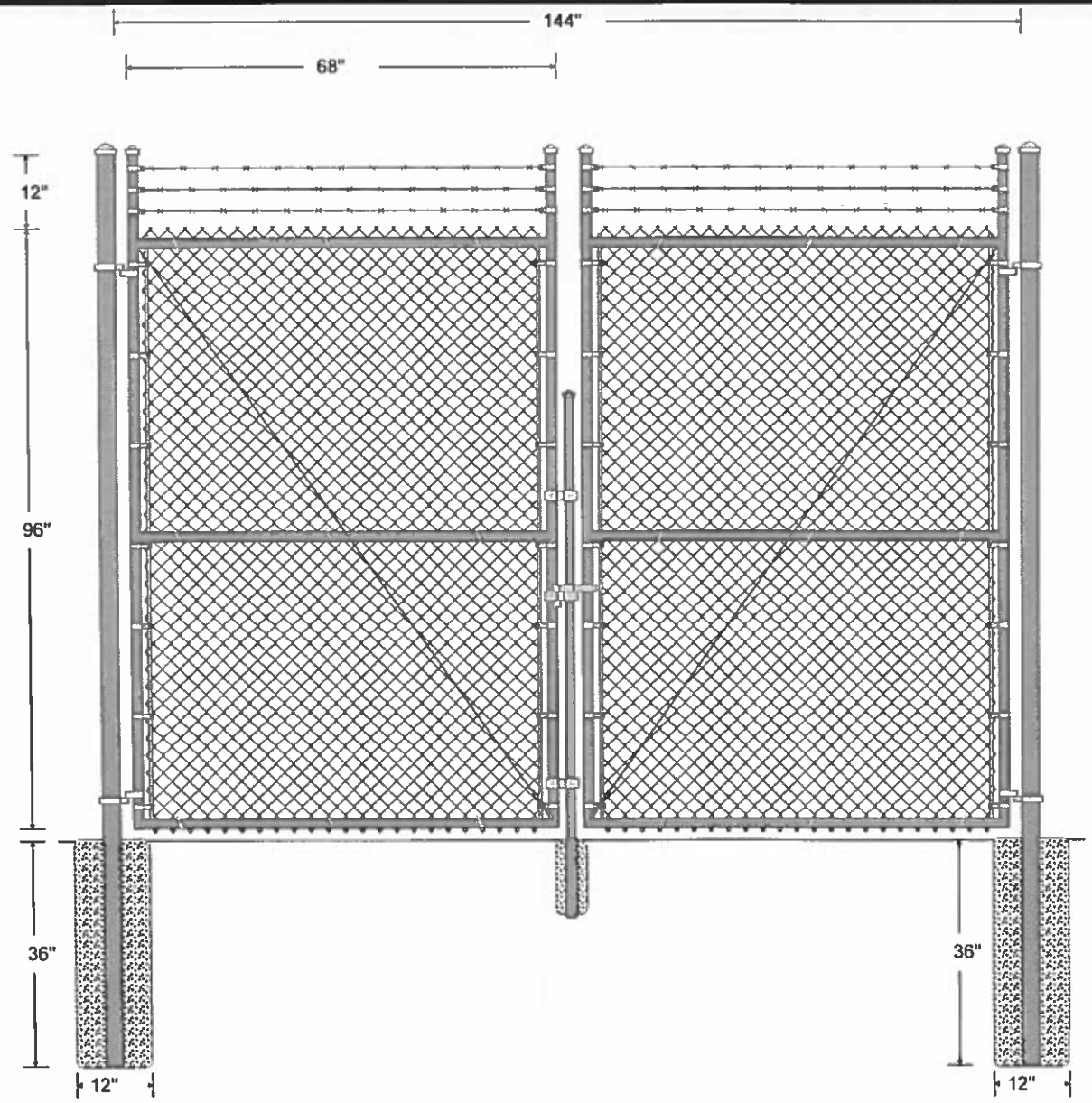
STANDARD NO. GR-2A

PremierFence™ LLC

Premier Fence, LLC
1010 Turnpike Street
Canton, MA 02021
781-821-5900
www.Premier-Fence.com
Sales@Premier-Fence.com

CHAINLINK FENCE SPECIFICATION

FABRIC:	96" 9 GA. ALUMINIZED (2" Mesh) BK CHAIN LINK FABRIC.
TOP RAIL:	1 5/8" O.D. SS-40 PIPE, 1.83 lbs. per foot. Top rail 21' in length, joined with 1 5/8" SLEEVE.
LINE POST:	2 3/8" O.D. SS-40 PIPE, 3.12 lbs. per foot. Line posts set 10' on center maximum spacing. Concrete footing: 12" diameter, 36" depth.
TERMINAL POST:	2 3/8" O.D. SS-40 PIPE, 3.12 lbs. per foot. Concrete footing: 12" diameter, 36" depth.
GATES:	Framework of 1 5/8" SS-40 PIPE, 1.83 lbs. per foot. Gates braced and trussed as necessary. Same fabric as fence. Barbed wire included on all gates.
GATE POST:	2 7/8" O.D. SS-40 PIPE, 4.64 lbs. per foot. Concrete footing: 12" diameter, 36" depth.
BARBED WIRE:	3 strands of 4 PT. ALUMINIZED BARB WIRE on 45 Deg. PRESSED STEEL BARB WIRE ARM.
FITTINGS:	BEVELED BRACE BAND & CARRIAGE BOLT, PRESSED STEEL RAIL-END, 45 Deg. PRESSED STEEL BARB WIRE ARM, PRESSED STEEL CAP, 3/16" X 3/4" TENSION BAR, BEVELED TENSION BAND & CARRIAGE BOLT.
TIE WIRE:	8 1/4" 6 GA. ALUMINUM TIE WIRE & 6 1/2" 6 GA. ALUMINUM TIE WIRE spaced 15" on center for line posts & 24" on center for rails.
POST FOOTING:	HAND MIXED CONCRETE.



FABRIC: 96" 9 GA. ALUMINIZED (2" Mesh) BK CHAIN LINK FABRIC.

GATES: Framework of 1 5/8" SS-40 PIPE, 1.83 lbs. per foot. Gates braced and trussed as necessary. Same fabric as fence. Barbed wire included on all gates.

GATE POST: 2 7/8" O.D. SS-40 PIPE, 4.64 lbs. per foot. Concrete footing: 12" diameter, 36" depth.

BARBED WIRE: 3 strands of 4 PT. ALUMINIZED BARB WIRE on 45 Deg. PRESSED STEEL BARB WIRE ARM.

FITTINGS: BEVELED BRACE BAND & CARRIAGE BOLT, PRESSED STEEL RAIL-END, 45 Deg. PRESSED STEEL BARB WIRE ARM, PRESSED STEEL CAP, 3/16" X 3/4" TENSION BAR, BEVELED TENSION BAND & CARRIAGE BOLT.

TIE WIRE: 8 1/4" 6 GA. ALUMINUM TIE WIRE & 6 1/2" 6 GA. ALUMINUM TIE WIRE spaced 15" on center for line posts & 24" on center for rails.

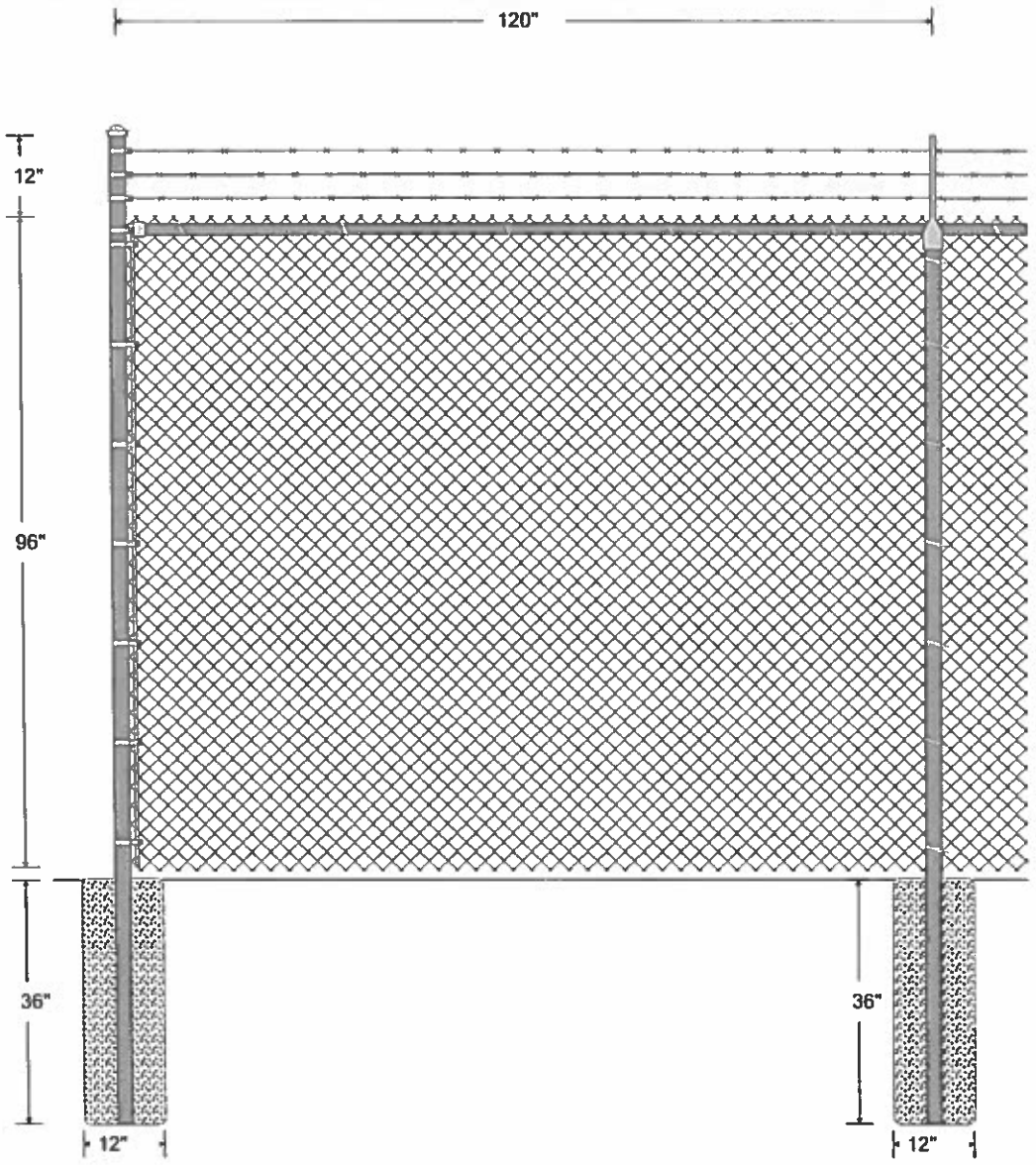
POST FOOTING: HAND MIXED CONCRETE.

PremierFence™ LLC

Premier Fence, LLC
1010 Turnpike Street
Canton, MA 02021
781-821-5900

12' DOUBLE GATE, 1 5/8" SS-40 PIPE FRAME

Drawn: 03/31/2016
File: 03-31-2016 Rochester, NH



FABRIC: 96" 9 GA. ALUMINIZED (2" Mesh) BK CHAIN LINK FABRIC.

TOP RAIL: 1 5/8" O.D. SS-40 PIPE, 1.83 lbs. per foot. Top rail 21' in length, joined with 1 5/8" SLEEVE.

LINE POST: 2 3/8" O.D. SS-40 PIPE, 3.12 lbs. per foot. Line posts set 10' on center maximum spacing. Concrete footing: 12" diameter, 36" depth.

TERMINAL POST: 2 3/8" O.D. SS-40 PIPE, 3.12 lbs. per foot. Concrete footing: 12" diameter, 36" depth.

BARBED WIRE: 3 strands of 4 PT. ALUMINIZED BARB WIRE on 45 Deg. PRESSED STEEL BARB WIRE ARM.

FITTINGS: BEVELED BRACE BAND & CARRIAGE BOLT, PRESSED STEEL RAIL-END, 45 Deg. PRESSED STEEL BARB WIRE ARM, PRESSED STEEL CAP, 3/16" X 3/4" TENSION BAR, BEVELED TENSION BAND & CARRIAGE BOLT.

TIE WIRE: 8 1/4" 6 GA. ALUMINUM TIE WIRE & 6 1/2" 6 GA. ALUMINUM TIE WIRE spaced 15" on center for line posts & 24" on center for rails.

POST FOOTING: HAND MIXED CONCRETE.

PremierFence™ LLC

Premier Fence, LLC
1010 Turnpike Street
Canton, MA 02021
781-821-5900

LINE OF FENCE

Drawn: 03/31/2016
File: 03-31-2016 Rochester, NH

jimd@premier-fence.com

From:	Laura Miller <laura.miller@rochesternh.net>
Sent:	Tuesday, March 29, 2016 1:48 PM
To:	adana@vermontrecreational.com; mike@gcaaafences.com; Jiafolla@chascoinc.net; info@aroostookfence.com; apsantagati@deluccafence.com; jimd@premier-fence.com
Cc:	Ian Rohrbacher; Lisa Clark; Angie Gray
Subject:	Addendum No. 1 for bid #16-32 WTP Security Fence, Gates and Guardrails
Attachments:	16-32 Water Treatment Plant Security fence, GGates, and Guardrails Addendum No. 1.pdf
Flag Status:	Flagged

Hello,
I have attached the addendum No. 1 for bid # 16-32 Water Treatment Plant Security Fence, Gates and Guardrails.

Laura Miller
Secretary II
Rochester, DPW
603-335-7569
laura.miller@rochesternh.net

SCOPE OF WORK
Bid Proposal Form

Work Description: The City of Rochester is soliciting bids for replacement of the Water Treatment Plant Security Fence, Gates, and Guardrails, as detailed below. All equipment shall include a Manufacturers Standard One-Year Warranty.

The selected contractor will be required to meet Davis Bacon Wage schedules and comply with all associated reporting activities. See Attachment A (page 10) & B (page 14)
Bidders on this work must demonstrate compliance with the United States Environmental Protection Agency's MBE/WBE policy in order to be deemed a responsible bidder.

All construction methods and materials shall be in accordance with BOCA codes. All work shall be performed in accordance with all applicable federal, state and local regulations.
Details:

-Install 32 feet of 8 foot galvanized chain link fence with 1 foot of barbwire on each side of entrance gate.
-Install 30 feet of 8 foot galvanized chain link fence with 1 foot of barbwire with a 12 foot double swing gate on the back of the property.
-Install/replace a total of 665 feet of steel guardrail with posts on each side of front entrance (approximately 300 feet on the easterly side, and 365 feet on the westerly side).

Precise locations and placement to be field verified.

All bids must include a cut sheet of proposed materials. Disposal of material is the responsibility of the contractor.

The contractor will need to coordinate with city staff to develop a schedule that does not interfere with deliveries, operations, or site security.

Company Name: Chasco, Inc. dba Four Seasons Fence (a New Hampshire corporation)

Address: 15 Banfield Rd., Portsmouth, NH 03801

Telephone# (603) 436-2141 Fax# (603) 431-5646 E-mail Charlie@ChascoInc.Net

Print Name: Charles W. Kuehl President; Lori E. McNally Secretary/Treasurer (Business Addresses are the same as above)

Authorized Signature: _____ Date: April 12, 2016

Total Amount of Project $23,800 Twenty-three thousand eight hundred dollars

Estimated time to complete 10 days

Bid results will be posted after 48 hours on the City of Rochester's web site: www.rochesternh.net or will be available by request via e-mail at the following address: purchasing @rochesternh.net.

02830/GAL
Buyline 7515

Pound for pound, Galvanized After Weave fabric (GAW) is the best value in chain link fencing.

Nothing beats the complete zinc coating of GAW chain link fabric in durability and rust-prevention.

Ask for GAW Everytime

GAW Chain Link Fence Fabric provides exceptional security and protection in commercial, industrial, institutional, recreational and residential fencing applications. GAW also provides the best protection against corrosion in even the most severe coastal industrial environments. Hot dip zinc galvanizing is a simple process with over 200 years of proven effectiveness in millions of applications worldwide.

There are other zinc galvanizing processes and other metallic coatings. None surpass GAW in durability and protection. It's a premium product providing superior corrosion–and rust-resistance that doesn't cost a premium price.

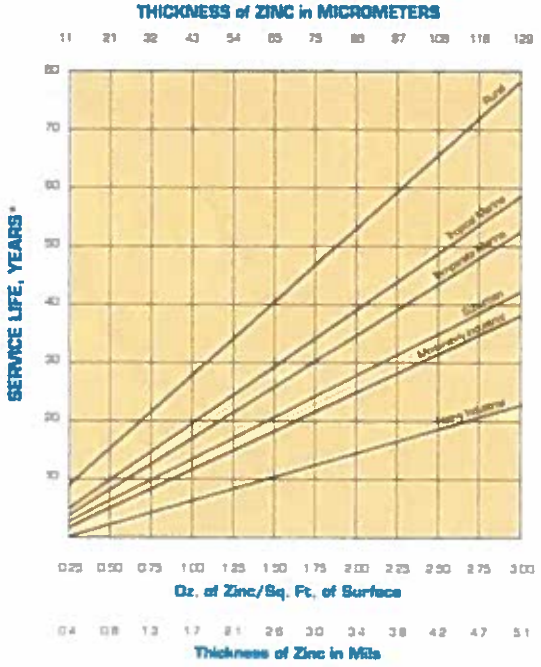
The Importance of GAW

GAW fabric is the only chain link fabric that's coated after weaving, ensuring that all surfaces of the base metal are protected. With GAW coatings, you have complete protection against rust and corrosion and an additional after coating treatment is applied to prevent white rust and early deterioration.

With any pre-coated wire, the weaving process leaves the twist and knuckle tips bare from trimming. Cut ends may be dipped in other materials, but they are no substitute in protection for the thorough zinc coating of the GAW process.

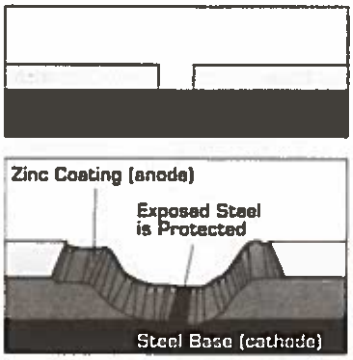
The Durability of GAW

Fabric galvanized after weaving is manufactured to the demanding requirements of ASTM specification A 392, which offers two classes of coating: Class 1–1.2 ounces (366 g/m²) of zinc coating per sq. ft.; and Class 2–2.0 ounces (610 g/m²) of zinc coating per sq. ft. The effective service life of a fabric is directly related to the coating thickness–the thicker the coating, the longer the life. A Class 2 GAW coating is unsurpassed among metallic chain link fence coatings in providing long-term barrier and cathodic protection. That's a value you can measure.



* Service Life is defined as the time to 5% rusting of the steel surface.

Chart used with permission of the American Galvanizers Association.



This is what happens to a scratch on galvanized steel. The zinc coating sacrifices itself slowly by galvanic action to protect the base steel. This sacrificial action continues as long as any zinc remains in the immediate area.

The "Self-Healing" of GAW

All zinc coatings have "self-healing," or cathodic properties which protect exposed core metal. Even after years of wear, the remaining zinc stays active. Of all metals used for protective coating of steel, zinc is the most electrochemically active, in all environments, from mild rural to harsh marine and heavy industrial.

In other words, zinc provides a far superior coating in both barrier and cathodic protection...and GAW fabric provides the best of both.

The Finish of GAW

Committed to their product, GAW producers assure you of chain link fabric with a complete coating. A continuous vertical dip and retrieval process removes excess zinc and keeps joints from welding.

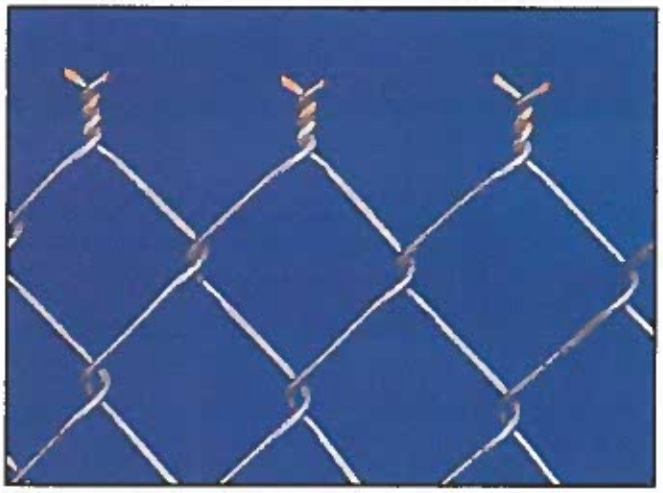
The Value of GAW

When specifying chain link fabric, insist on GAW produced in accordance with ASTM A 392. If you're looking for durability and rust-prevention, there's no better chain link fencing than GAW. Fewer long-term maintenance problems mean lower long-term costs and greater life-cycle savings. Pound for pound, GAW fabric is by far your best value.

02830/GAL
Buyline 7515

GAW Benefits

1. Zinc-based process offers the most active cathodic protection
2. Heavier and more thorough coating with no flaking or bare trim ends
3. Additional protective coating to prevent white rust
4. All components of GAW fence systems are zinc coated
5. Consistently meets ASTM specifications
6. Established manufacturers produce consistent quality
7. Proven technology for 200 years
8. National availability, with warranties from many manufacturers
9. Lower long-term costs
10. Fewer long-term maintenance problems



Left: Precoated fabric with uncoated tips. With pre-coated fabric some manufacturers coat the bare cut-ends, but many don't. No one coats the ends with the same material that protects the rest of the fabric.

Right: GAW fabric. The GAW process guarantees that cut ends will be coated with the same quality material and protection as the rest of the fabric. The pre-coated process provides no such guarantee.

GAW Chain Link Fencing! A popular choice of landscape architects.

GAW Chain Link Fencing is resistant to defacement and offers total visibility. But when combined with landscaping, chain link provides an attractive visual barrier while maintaining security.

SPECIFICATIONS

1. Description of Terms

1.1 *Chain Link Fence Fabric*–A fencing material from steel wire helically wound and interwoven in such a manner as to provide a continuous mesh without knots or ties except in the form of knuckling or of twisting the ends of the wires to form the selvage of the fabric.

1.2 *Knuckling*–This term is used to describe the type of selvage obtained by interlocking adjacent pairs of wire ends and then bending the wire ends back into a closed loop.

1.3 *Twisting*–The term is used to describe the type of selvage obtained by twisting adjacent pairs of wire ends together in a closed helix of 1-1/2 machine turns, which is equivalent to three full twists, and cutting the wire ends at a sharp angle to provide sharp points. The wire ends beyond the twist shall be at least 1/4 inch (6.4 mm) long.

1.4 *Diamond Count*–A term used to designate the number of mesh openings in each height of fabric.

2. Requirements

2.1 *Materials*

2.1.1 The base metal from which the wire for the fabric is drawn shall be good commercial steel rod.

2.1.2 *Zinc Coating*–Applied by the hot dipped process after weaving, the zinc coating on the fabric may be ordered in two coating weight classes, as Class 1–the weight of zinc coating shall not be less than 1.2 oz./ft.² (366 g/m²) of uncoated wire surface; or Class 2–the weight of zinc coating shall not be less than 2 oz./ft.² (610 g/m²) of uncoated wire surface as determined from the average of results of two or more specimens, and not less than 1.8 oz./ft.² (549 g/m²) of uncoated wire surface for any individual specimen. Fabric is normally not produced with a Class 2 coating on 11 ga. (.120") (3 mm) or 11 1/2 ga. (.113") (2.9 mm) wire. The weight of the zinc coatings shall be determined in accordance with 3.2. The zinc used for the coating shall conform to the grades specified in ASTM Designation B6, Standard Specification for Slab Zinc.

2.2 *Fabric Sizes*–The height, diamond count, size of mesh, and wire diameters of chain link fabric shall be as given in the Table. The methods of measurement and tolerances are given in 2.2.1, 2.2.2 and 2.2.3.

2.2.1 *Height of Fabric*–The height of the fabric shall be the overall dimension from ends of twists or knuckles. The tolerance of the nominal height shall be plus or minus one inch (25.4 mm).

2.2.2 *Mesh Sizes*–The size of mesh shall conform to the requirements as shown in the Table. The permissible variation from the specified size of mesh shall be ± 1/8 in. (3.2 mm) for all mesh sizes over 1 in. (25.4 mm) and ± 1/16 in. (1.6 mm) for all mesh sizes 1 in. (25.4 mm) and under.

2.2.3 *Wire Diameter*–The diameter of the coated wire shall be determined as the average of two readings measured to the nearest 0.001 inch (.03 mm) taken at right angles to each other on the straight portion of the parallel sides of the mesh. The tolerance in the diameter of the coated wire shall be plus or minus 0.005 inch (.13 mm).

2.3 *Selvage*–Fabric with 2 inch (50.8 mm) or 2-1/4 inch (57.2 mm) mesh, in heights less than 72 inches (1830 mm) shall be knuckled at both selvages. Fabric 72 inches (1830 mm) high and over shall be knuckled at one selvage and twisted at the other. These are the standard selvages. Other selvage combinations will be supplied only if specified by the purchaser.

Caution: Twisted selvages for fences under 72 inches (1830 mm) in height are not recommended because of consumer safety considerations.

The selvages of fabrics with meshes of less than 2 inches (50.8 mm) shall be knuckled on both edges.

2.4 *Workmanship*–Chain link fence fabric shall be produced by methods recognized as good commercial practice. The metallic coating shall be applied in a continuous process and shall not be applied to the fabric in roll form.

3. Test

3.1 *Breaking Strength*–See the Table–The break strength of the fabric shall be determined in accordance with the method described in ASTM A370, using one specimen from each sample roll. Specimens to establish conformance to this requirement shall constitute individual pickets from a section of the fence fabric of a sufficient length so as to measure 15-18 inches (381 mm–457 mm) after straightening. The straightened portion of the specimen shall be inside the jaws of the tensile testing machine so that the actual test is performed on the undeformed section between the jaws. If fracture takes place, other than between the grips, the test shall be discarded.

3.2 *Weight of Zinc Coating*–The weight of zinc coating on the fabric shall be determined in accordance with the method described in ASTM Designation A90, using one piece of wire removed from the fabric of each sample roll.

Fabric Size Table

Recommended Usage	Height of Fabric									Size of Mesh	Gage, Coated Wire	Nominal Diameter Coated Wire	Minimum Breaking Strength lb. (N)
Heavy Industrial	36" (910 mm) Diamond Count 101	42" (1070 mm) 12½	48" (1220 mm) 13½	60" (1520 mm) 17½	72" (1830 mm) 20½	84" (2130 mm) 24½	96" (2440 mm) 27½	120" (3050 mm) 34½	144" (3660 mm) 41½	2" (50.8 mm)	6	0.192" (4.8 mm)	2170 (9650)
Standard Industrial Heavy Industrial	36" (910 mm) Diamond Count 101	42" (1070 mm) 12½	48" (1220 mm) 13½	60" (1520 mm) 17½	72" (1830 mm) 20½	84" (2130 mm) 24½	96" (2440 mm) 27½	120" (3050 mm) 34½	144" (3660 mm) 41½	2" (50.8 mm)	9	0.148" (3.7 mm)	1290 (5740)
Light Industrial Standard Residential	36" (910 mm) Diamond Count 101	42" (1070 mm) 12½	48" (1220 mm) 14½	60" (1520 mm) 17½	72" (1830 mm) 20½	84" (2130 mm) 24½				2" (50.8 mm)	11	0.120" (3.0 mm)	850 (3780)
Light Residential	36" (910 mm) Diamond Count 91	42" (1070 mm) 11½	48" (1220 mm) 13½	60" (1520 mm) 16½						2.3" (57.2 mm)	11½	0.113" (2.8 mm)	750 (3340)
Tennis Court	120" (3050 mm) 144" (3660 mm) Diamond Count 39½ 47½									10" (44.5 mm)	11	0.120" (3.0 mm)	850 (3780)

Specifing Information

	Height	Mesh Size	Gage Coated Wire	Selvage	ASTM A392 Class of Coating	Process
Sample	72"	2	9	KT	Class 2	Galv. after weaving

Galv. after weaving

GAW Chain Link Fabric with a 10 Year Limited Warranty

& Other Quality Master-Halco Fencing Products are Available From:

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02830/ALL
Buyline 3404

SS40®

allied
TUBE & CONDUIT

SS40®

Allied Tube & Conduit, with an engineering breakthrough in pipe manufacturing and corrosion resistant coating, has developed the most specified and the most requested framework in the fencing industry.

SS-40 is manufactured with cold-formed steel which provides high yield and tensile strength, followed by a uniform triple layer of corrosion protection. The coating consists of zinc, a conversion coating, and a clear organic top coat applied in-line by Allied's patented continuous Flo-Coat® process.

The high yield strength steel and the triple coat of ***locked-in*** protection, results in pipe that not only out-performs Schedule 40 pipe in strength and corrosion resistance, but maintains its lustrous appearance in all climates and under the most severe atmospheric conditions. **SS-40** is clearly the industry leader.

Technical Specifications

1. Scope

This specification covers galvanized steel fence pipe as manufactured by the Allied Tube & Conduit patented Flo-Coat process.

2. Materials

2.1 Steel

Steel strip used in the manufacture of pipe shall conform to ASTM A 1011 and will meet all performance criteria set forth in this standard/specification.

2.2 Zinc

Zinc used in Allied's Flo-Coat process conforms to ASTM B 6 High Grade and Special High Grade Zinc.

2.3 Conversion Coating

The conversion coating is applied over the surface of the zinc to enhance corrosion resistance.

2.4 Organic Clear Coating

Organic clear coating, applied over the conversion coating, is manufactured from high grade raw materials.

2.5 Internal Coating

The internal zinc-rich based coating shall have a minimum zinc powder loading of 90% by weight and have the capability of producing galvanic protection.

3. Weight of Coatings

3.1 Zinc

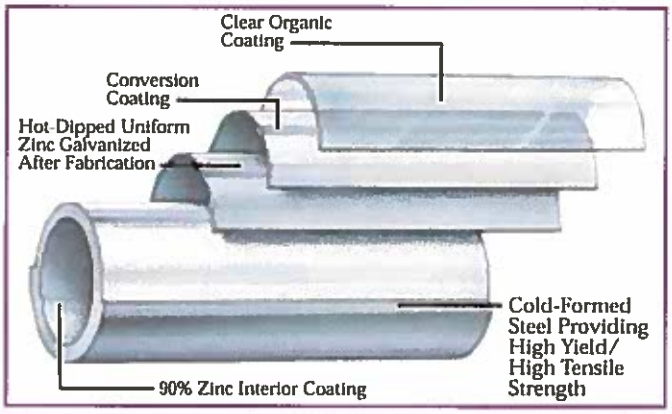
Weight of zinc shall be 1.0 oz./ft.^{2} ± 0.1 oz./ft.^{2} and shall be determined by the method described in ASTM A 90.

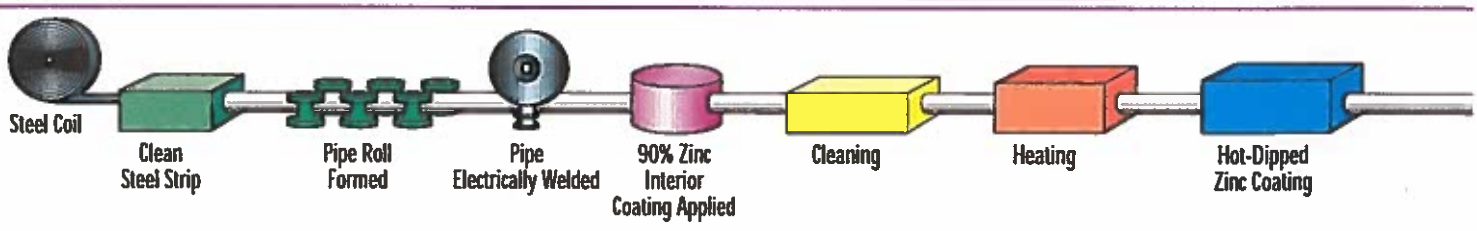
3.2 Conversion Coating

Conversion coating shall be 30 micrograms/in.^{2} ± 15 micrograms/in.^{2} and shall be determined by a strip and weigh method utilizing an atomic absorption spectrophotometer or X-Ray fluorescence spectrograph.

3.3 Organic Clear Coating

Thickness of the clear coating shall be a nominal .5 mils ± .2 mils and shall be determined by measurement with a suitable magnetic or eddy current coating thickness tester. Thickness of clear coating is determined by taking the difference between the thickness of zinc and the total thickness of the clear coating and zinc. The thickness tester shall be standardized on the steel surface after removing the zinc prior to making measurements.





4. Strength Characteristics

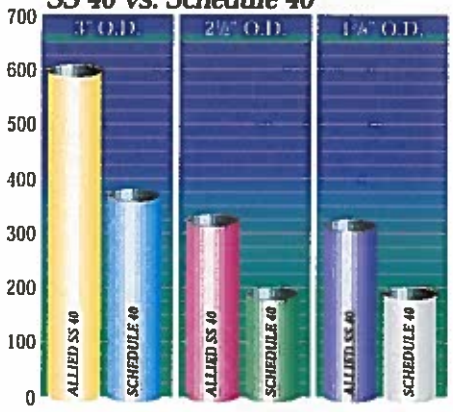
4.1 Bending Strength

The strength of line, end, corner, and pull posts shall be determined by the use of 4 foot or 6 foot cantilevered beam test. The top rail shall be determined by a 10 foot free-supported beam test (see Table 1).

4.2 Bending Moment

An alternative method of determining pipe strength is by the calculation of bending moment (see Table 1). Conformance with this specification can be demonstrated by measuring the yield/tensile strength of a randomly selected piece of pipe from each lot and calculating the section modulus. The yield/tensile strength shall be determined according to the methods described in ASTM E 8. For materials under this specification, the 0.2 offset method shall be used in determining yield strength.

Bending Strength Comparison SS 40 vs. Schedule 40



Test results are based on 6 foot cantilevered beam test and 10 foot free-supported beam test.

5. Corrosion Resistance

5.1 Salt Spray

a. Exterior Surface. The exterior clear coated surface of the pipe shall have a demonstrated ability to resist 1000 hours of exposure to salt fog with a maximum of 5% red rust when conducted in accordance with ASTM B 117.

b. Interior Surface. The interior zinc rich coated surface shall have a demonstrated ability to withstand 650 hours of exposure to salt fog with a maximum of 5% red rust when conducted in accordance with ASTM B 117.

5.2 Humidity

a. Exterior Surface. The clear coated exterior surface of the pipe shall have a demonstrated ability to resist 500 hours of exposure to 100% relative humidity without blistering and peeling when conducted in accordance with ASTM D 4585. (D 2247).

5.3 Weatherometer

a. Exterior Surface. The clear exterior coating shall have a demonstrated ability to withstand exposure for 500 hours without failure at a black panel temperature of 145°F. (63°C.) when tested in accordance with ASTM G 26, Xenon Type BH apparatus, or ASTM G 23 (Carbon Arc) Type HH apparatus.

Performance

For nearly forty years, SS-40 has disproven the common belief that greater weight equals greater strength. SS-40 is 20% lighter than Schedule 40 in gauge and weight, yet is as much as 33% stronger.

The superior strength of SS-40 is attributable to two key factors:

1. Cold rolled steel with a minimum of 50,000 psi yield strength.
2. The tempering effect of cold water quenching following the hot-dip galvanizing.

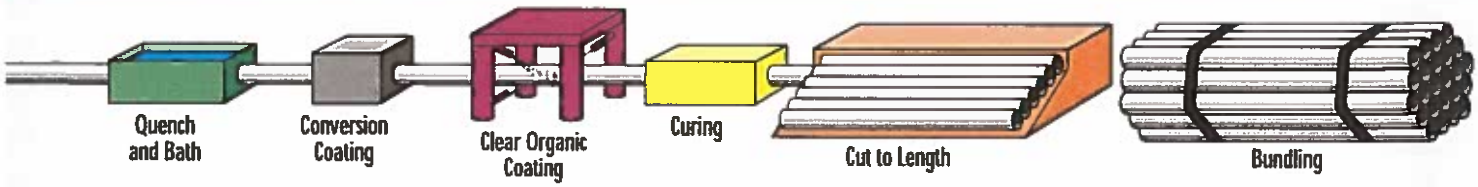
Exceptional corrosion resistance is achieved through Allied's patented Flo-Coat process. A uniform layer of zinc is applied, followed by a conversion coating, and finally a clear organic top coat. The triple coating minimizes oxidation and locks-in the corrosion protection to preserve a "like new" appearance. It is the combination of the three coatings that produces a "**synergistic**" effect which results in greater corrosion resistance than the sum of the individual coatings.

The triple coating, uniformly applied during the Flo-Coat process, gives SS-40 a highly lustrous appearance that will fabricate without flaking and remain maintenance-free.

When performance is the **only true criterion**, SS-40 is the obvious choice.

Availability

SS-40 is manufactured by Allied Tube & Conduit in Harvey, IL, Philadelphia, PA, Phoenix, AZ, and Pine Bluff, AR. A full inventory of standard lengths is maintained at all locations to insure fast delivery and to meet even the strictest schedules. If special lengths are required, ask about Allied's cut-to-length capabilities. Made-to-order lengths will help reduce fabrication time, eliminate wasteful drops and additional handling costs. Our nationwide distribution network and coast-to-coast shipping system helps Allied retain its position as **Number One Supplier** to the fence industry.



Certification

"Made in U.S.A." is proudly displayed on every length of SS-40 pipe. Allied will certify that all SS-40 fence pipe is manufactured in the USA and is in compliance with applicable Federal, State and local specifications.

Specifying Agencies

Partial list of agencies which have approved SS-40.

- (AASHTO) American Associations of State Highway and Transportation Officials M181-95
- Federal Specifications RR-F-191/2D (Chain Link Fence Gates)
- Federal Specifications RR-F-191/3D (Chain Link Fence Posts, Top Rails and Braces)
- Corps of Engineers CEGS-02831
- Department of the Navy NFGS-02831
- Department of Transportation Federal Aeronautics Administration AC 150/5370-10A Item F-162
- U.S. Department of Justice - Federal Bureau of Prisons
- ASTM Specification F1043-00 Standard Specification for Strength and Protective Coatings
- American Institute of Architects (AIA) MASTERSPEC

Call our Toll-free number for assistance.

1-800-882-5543

Visit our website at www.alliedtube.com

Table 1
Physical Dimensions and Strength Calculations
SS-40 Pipe Sizes

Fence Industry	Decimal O.D. Equivalent		Pipe Wall Thickness		Weight		Section Modulus	x	Min. Yield Strength	=	Max Bending Moment	Calculated Load (lbs.)		
O.D.	inches	(mm)	inches	(mm)	lb./ft.	(kg/m)	inches³		psi		lb. in.	10' Free Supported	Cantilever 4'	Cantilever 6'
1-3/8"	1.315	33.40	.104	2.64	1.35	2.01	.1111	x	50,000	=	5555	185	116	77
1-5/8"	1.660	42.16	.111	2.82	1.84	2.74	.1961	x	50,000	=	9805	327	204	136
2"	1.900	48.26	.120	3.05	2.28	3.39	.2810	x	50,000	=	14050	468	293	195
2-1/2"	2.375	60.33	.130	3.30	3.12	4.64	.4881	x	50,000	=	24405	814	508	339
3"	2.875	73.03	.160	4.06	4.64	6.90	.8778	x	50,000	=	43890	1463	914	610
3-1/2"	3.500	88.90	.160	4.06	5.71	8.50	1.3408	x	50,000	=	67040	2235	1397	931
4"	4.000	101.60	.160	4.06	6.56	9.76	1.7819	x	50,000	=	89095	2970	1856	1237

Distributed By:

COMPLIES WITH THE BUY AMERICAN ACT

tyco Electrical & Metal Products

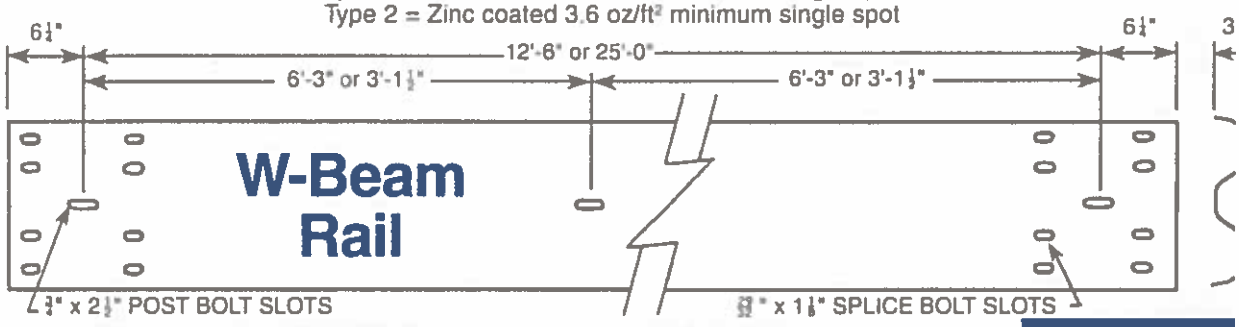
MEMBER

Allied Tube & Conduit
Fence Division
16100 South Lathrop Ave.
Harvey, Illinois 60426
(708) 339-1610 · (800) 882-5543
Fax (708) 339-2373
www.alliedtube.com

 Printed in U.S.A. 10/02 ATC-L-1627-3

GUIDE RAIL PRODUCTS

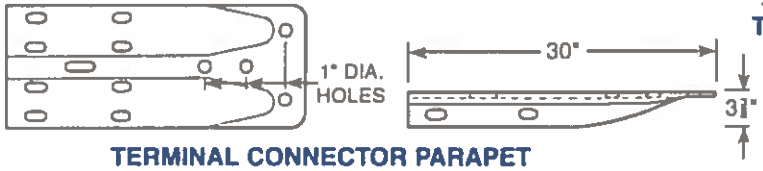
Rail is supplied hot-dipped galvanized after fabrication in accordance with ASTM A-123.
Type 1 = Zinc coated 1.8 oz/ft² minimum single spot
Type 2 = Zinc coated 3.6 oz/ft² minimum single spot



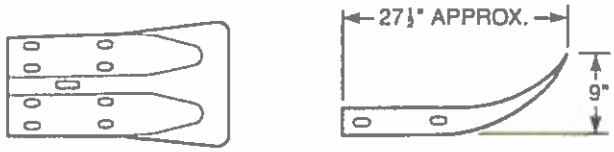
DIMENSIONS AND MECHANICAL PROPERTIES (UNCOATED)

Item	Class A (.105 in. thick)	Class B (.135 in. thick)
Beam width, in., minimum	12	12
Beam depth, in., minimum	3	3
Cross-sectional area, sq. in.	2.01	2.58
Moment of inertia, in.⁴	2.34	3.01
Section modulus, in.³	1.39	1.77
Weight/ft., lb. (approximate)	6.82	8.77

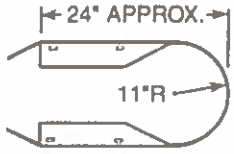
END SECTION (ROUNDED)



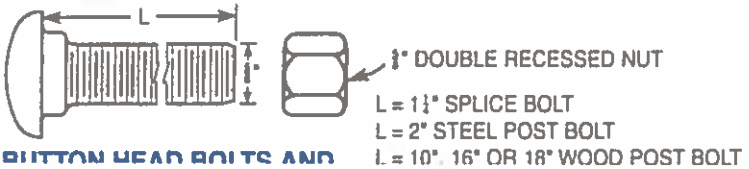
TERMINAL CONNECTOR PARAPET



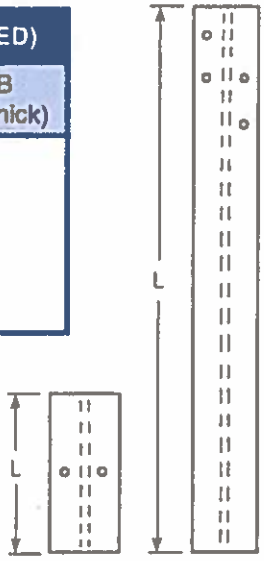
END SECTION (FLARED)



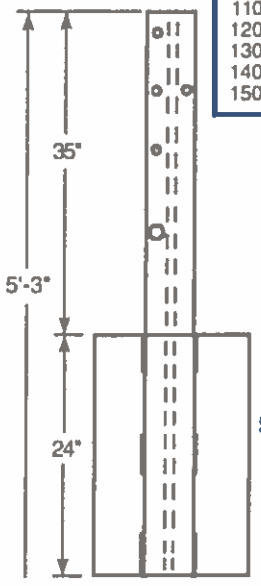
MEDIAN DIVIDER END SECTION



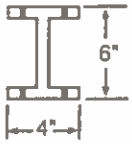
BUTTON HEAD BOLTS AND



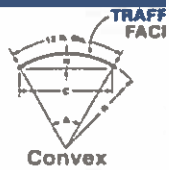
TYPICAL STEEL POST W6 x 8.5 and TYPICAL OFFSET BLOCK



S3 x 5.7 WEAK POST



CURVED



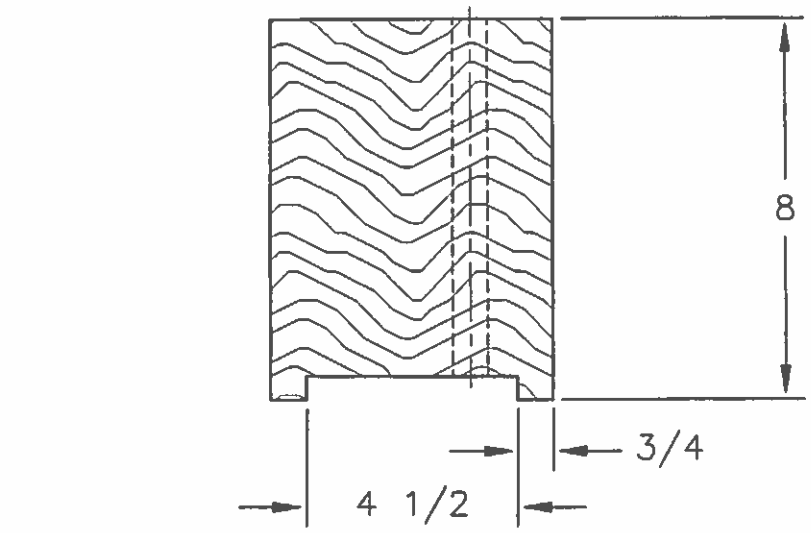
Convex

FUNCTIONS OI
ARC FOR DIFFE

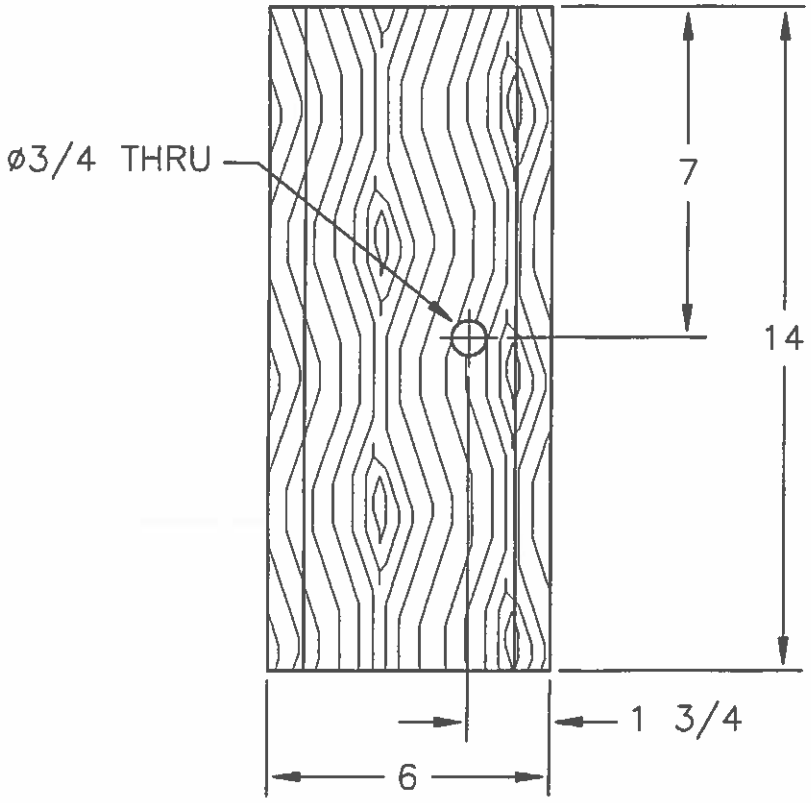
Radii	Angle	Chc
5	143° 14'	9'-
10	71° 37'	11'-
15	47° 45'	12'-
20	35° 49'	12'-
25	28° 39'	12'-
30	23° 52'	12'-
35	20° 28'	12'-
40	17° 53'	12'-
45	15° 55'	12'-
50	14° 19'	12'-
55	13° 01'	12'-
60	11° 56'	12'-
65	11° 01'	12'-
70	10° 14'	12'-
75	9° 33'	12'-
80	8° 57'	12'-
85	8° 26'	12'-
90	7° 58'	12'-
95	7° 32'	12'-
100	7° 10'	12'-
110	6° 31'	12'-
120	5° 58'	12'-
130	5° 31'	12'-
140	5° 07'	12'-
150	4° 47'	12'-

DOUBLE RECESSED HEX NUTS

PC

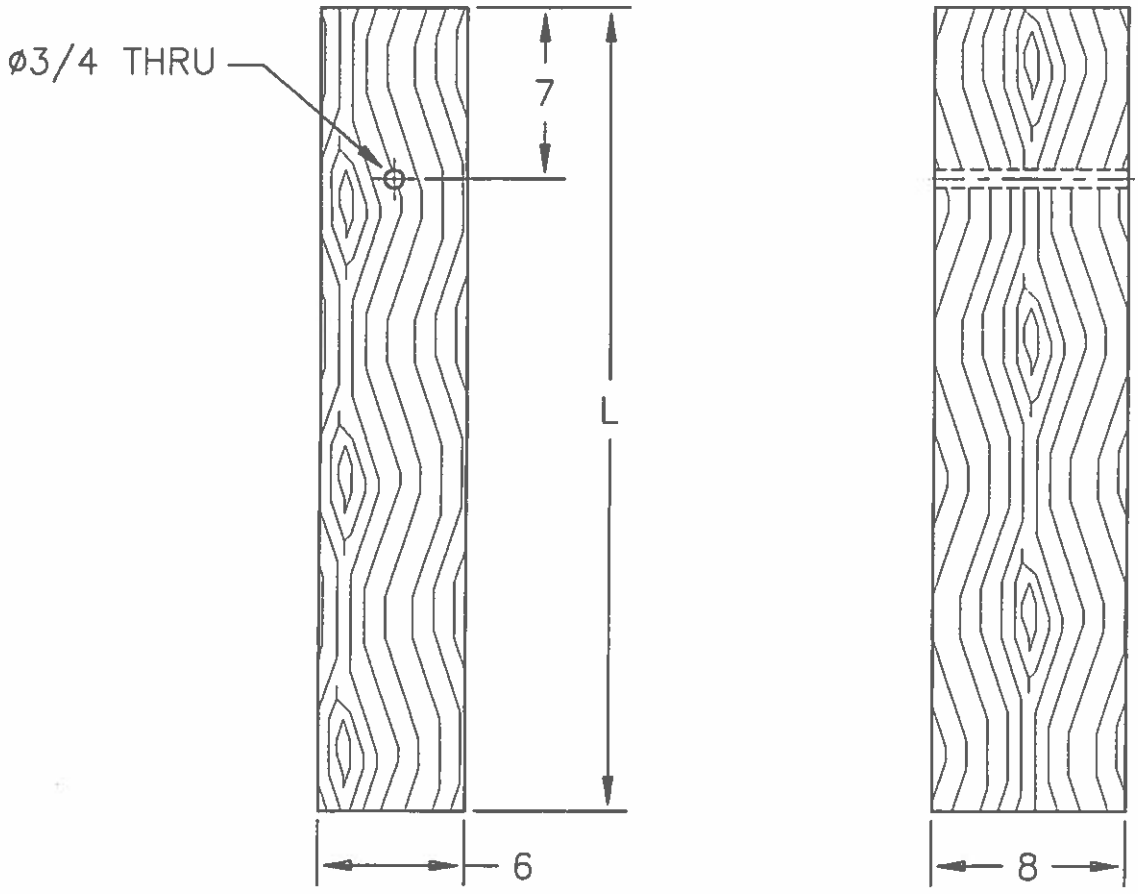


TOP



FRONT

WOOD OR PLASTIC ROUTED OFFSET BLOCK



WOOD LINE POST

Client#: 32221 FOUSE4

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 4/12/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER People's United Ins. Agency NH 501 Islington Street 3rd Fl. Portsmouth, NH 03801	CONTACT NAME: Laurie McIntire PHONE (A/C, No, Ext): 603-427-7529 FAX (A/C, No): E-MAIL ADDRESS: laurie.mcintire@peoples.com
INSURED Chasco, Inc. DBA Four Seasons Fence & FSF Construction Services 15 Banfield Road Portsmouth, NH 03801	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A : Cincinnati Insurance Co. — 10677 INSURER B : NorGuard Insurance — 31470 INSURER C : INSURER D : INSURER E : INSURER F :

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			EPP0261042	07/01/2015	07/01/2016	EACH OCCURRENCE	$1,000,000
	[X] COMMERCIAL GENERAL LIABILITY	X					DAMAGE TO RENTED PREMISES (Ea occurrence)	$50,000
	[ ] CLAIMS-MADE [X] OCCUR						MED EXP (Any one person)	$5,000
	[ ] Blanket Addl Insured						PERSONAL & ADV INJURY	$1,000,000
	[ ] Per Written Contract						GENERAL AGGREGATE	$2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$2,000,000
	[ ] POLICY [X] PRO-JECT [ ] LOC							$
A	AUTOMOBILE LIABILITY			EBA0261057	07/01/2015	07/01/2016	COMBINED SINGLE LIMIT (Ea accident)	$1,000,000
	[X] ANY AUTO						BODILY INJURY (Per person)	$
	[ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	[X] HIRED AUTOS [X] NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
A	[ ] UMBRELLA LIAB [ ] OCCUR			EPP0261042	07/01/2015	07/01/2016	EACH OCCURRENCE	$5,000,000
	[ ] EXCESS LIAB [ ] CLAIMS-MADE						AGGREGATE	$5,000,000
	[ ] DED [X] RETENTION $10000							$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			CHWC698850	07/01/2015	07/01/2016	[X] WC STATU-TORY LIMITS [ ] OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N [N]	N/A					E.L. EACH ACCIDENT	$1,000,000
	(Mandatory in NH)						E.L. DISEASE - EA EMPLOYEE	$1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

The City of Rochester Department of Public Works are listed as additional insured under general liability as required by written contract for work performed by insured subject to terms and conditions of the policy.

CERTIFICATE HOLDER

The City of Rochester
31 Wakefield Street
Rochester, NH 03867

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Laurie McIntire

LLM

SCOPE OF WORK
Bid Proposal Form

Work Description: The City of Rochester is soliciting bids for replacement of the Water Treatment Plant Security Fence, Gates, and Guardrails, as detailed below. All equipment shall include a Manufacturers Standard One-Year Warranty.

The selected contractor will be required to meet Davis Bacon Wage schedules and comply with all associated reporting activities. See Attachment A (page 10) & B (page 14)
Bidders on this work must demonstrate compliance with the United States Environmental Protection Agency's MBE/WBE policy in order to be deemed a responsible bidder.

All construction methods and materials shall be in accordance with BOCA codes. All work shall be performed in accordance with all applicable federal, state and local regulations.
Details:

-Install 32 feet of 8 foot galvanized chain link fence with 1 foot of barbwire on each side of entrance gate.
-Install 30 feet of 8 foot galvanized chain link fence with 1 foot of barbwire with a 12 foot double swing gate on the back of the property.
-Install/replace a total of 665 feet of steel guardrail with posts on each side of front entrance (approximately 300 feet on the easterly side, and 365 feet on the westerly side).

Precise locations and placement to be field verified.

All bids must include a cut sheet of proposed materials. Disposal of material is the responsibility of the contractor.

The contractor will need to coordinate with city staff to develop a schedule that does not interfere with deliveries, operations, or site security.

Company Name: VERMONT RECREATIONAL SURFACING AND FENCING, INC.

Address: PO Box 147 BARNET, VT 05821

Telephone# 800-639-8071 Fax# 603-638-4405 E-mail vtrecnh@gmail.com

STEPHEN SHATTUCK
Print Name

Authorized Signature

4-13-16
Date

Total Amount of Project $ 16,865.00

Estimated time to complete 2-3 days

Bid results will be posted after 48 hours on the City of Rochester's web site: www.rochesternh.net or will be available by request via e-mail at the following address: purchasing @rochesternh.net.

ADDENDUM NO. 1

CITY OF ROCHESTER, NEW HAMPSHIRE
BID #16-32 Water Treatment Plant Security Fence, Gates and Guardrails

This addendum amends and/or supplements the bid documents as indicated below. Only these items alter the Bid Documents.
This addendum may also be obtained from City of Rochester's web site: www.rochesternh.net or will be available by request via e-mail at the following address: purchasing@rochesternh.net

Addendum is also available by written requests addressed as follows:

Bid # 16-32 Water Treatment Plant Security Fence, Gates, and Guardrails
City of Rochester, New Hampshire
31 Wakefield St.
Rochester, NH 03867
Attn: Purchasing Agent

CLARIFICATIONS AS FOLLOWS:

1. **Bid Proposal Form Revision-** In the scope of work on page 2 the following revisions reply.
    1. The Contractor will leave recyclable metal aside in an area designated by the City of Rochester All other material will be disposed of by the contractor.
    2. The quotation should be lump sum.
    3. The guardrail posts shall be wood posts.
    4. The rails shall be galvanized steel.
    5. The end treatment used for the rails should be half rounded ends.

Rec'd
Stephen Shattuck
4.14.16

Proposal

Vermont Recreational
Surfacing & Fencing, Inc.
PO Box 147
Barnet, VT 05821

Toll Free Phone - 800-639-8071
Fax - 603-638-4458
Phone - 603-638-2738
Email:vtrecnh@gmail.com

Date : April 13, 2016 *603-335-7602* *Fax: -9792*

Submitted to: ***Estimator***

Rochester City Hall
31 Wakefield Street
Rochester, NH 03867

Job: Fencing at Water Treatment Plant Security Fence, Gates & Guardrails

We hereby propose to furnish the materials and perform the labor necessary for the completion of:

Fence

- *Supply and install 32LF of 8' high galvanized chain link fence with three strands of barbed wire*
- *Supply and install 30LF of 8' high galvanized chain link fence with three strands of barbed wire*
- *Supply and install 1 - 12' double drive swing gate*

- *Supply and install 665LF of steel beam guardrail with steel posts*

All material is guaranteed to be specified, and the above work to be performed in accordance with the drawings and specifications submitted for above work and completed in a substantial workmanlike manner.

Respectfully Submitted _____

Stephen Shattuck

The above prices specifications and conditions are satisfactory and are hereby accepted.

You are authorized to do the work as specified.

NO RETAINAGE

Payment due within 30 days of invoice

Acceptance of Proposal

Signature _____ *Date:* _____

Payments must be made within 30 days from invoice date. An annual finance charge of 18% will be charged on all invoices over 30 days. You will also be responsible for any collection fees that may occur should the account become delinquent