

**ADDENDUM NO. 1  
TO THE CONTRACT PROVISIONS AND CONTRACT PLANS**

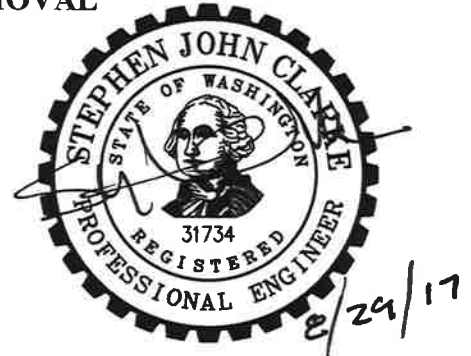
**FOR**

**CITY OF MILTON  
STEEL AND CONCRETE RESERVOIRS REMOVAL**

**G&O #14437**

**ISSUED THIS DATE: TUESDAY, AUGUST 29, 2017**

**BID OPENING: 3:00 P.M. (LOCAL TIME) ON  
WEDNESDAY, AUGUST 30, 2017  
CITY OF MILTON  
1000 LAUREL STREET  
MILTON WASHINGTON 98354**



**Bidder shall acknowledge receipt of this Addendum on Page P-7 of the Proposal.**

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**TO PROSPECTIVE BIDDERS:**

The attention of all prospective bidders on the above project is directed to the following additions and modifications to the Contract Provisions and Contract Plans.

**I. ADDITIONS, MODIFICATIONS, AND/OR DELETIONS TO THE PROPOSAL**

**ITEM NO. 1:**

Page P-2, Proposal

Under Bid Item 2, Unexpected Site Changes, **DELETE** the blank lines for the Unit Price and Amount columns and **REPLACE** with the following:

“\$15,000.00”

**II. ADDITIONS, MODIFICATIONS, AND/OR DELETIONS TO THE TECHNICAL SPECIFICATIONS**

**ITEM NO. 1:**

Page 02821-1, Specification Section 02821-1.1, SCOPE

**DELETE** the words “into the frame of the landfill gas flare enclosure” in their entirety.

**ITEM NO. 2:**

Page 02821-1, Specification Section 02821-2.1, FENCING

In the third paragraph, **DELETE** the second and third sentences in their entirety.

**ITEM NO. 3:**

Specification Section 02900, Landscaping

**DELETE** this Section in its entirety and **REPLACE** with the attached Specification Section 02900, Landscaping.

**III. ADDITIONS, MODIFICATIONS, AND/OR DELETIONS TO THE CONTRACT PLANS**

**ITEM NO. 1:**

FIGURE 1-2, STEEL RESERVOIR

**DELETE** the callout “REMOVE AND WASTEHAUL EXISTING FENCE.”

**ITEM NO. 2:**

FIGURE 1-2, STEEL RESERVOIR

**DELETE** Note 3 “REMOVE EXISTING FENCE AS REQUIRED TO COMPLETE THE WORK, REINSTALL FENCE UPON COMPLETION OF WORK.”

**ITEM NO. 3:**

FIGURE 1-3, CONCRETE RESERVOIR

**REPLACE** Construction Note 3 with the following:

“REMOVE EXISTING FENCE AS REQUIRED TO COMPLETE THE WORK, REPLACE WITH 6-FOOT CHAIN LINK FENCE PER DETAIL 1, FIGURE 1-4.”

**ITEM NO. 4:**

FIGURE 1-4, CHAIN LINK FENCE DETAILS

**ADD** the attached Figure 1-4.

**SECTION 02900**

**LANDSCAPING**

**PART 1 GENERAL**

**1.1 SCOPE**

The work specified in this Section includes the installation of all landscaping work, of all areas disturbed as a result of the work on the project and/or shown on the Plans, and as specified herein. Landscaping activities shall include work both at the project location as well as any residential properties that are affected by construction activities.

**1.2 RELATED WORK SPECIFIED ELSEWHERE**

<u>Section</u>	<u>Item</u>
01200	Measurement & Payment
01300	Submittals
02230	Clearing & Grubbing
02300	Earthwork

**1.3 SUBMITTALS**

A. SEED MIX

See Section 2.3 of this Specification.

**1.4 QUALITY ASSURANCE**

A. CONTRACTOR QUALIFICATIONS

All landscaping work shall be performed by a licensed Landscape Contractor registered in the State of Washington and shall be qualified for landscaping work through certification by the Washington Association of Landscape Professionals (WALP).

B. SEED

Conform to the minimum standards for “certified” grade seed.

Furnished in standard container on which the following information is shown: seed name, lot number, net weight, percentage of purity, germination, weed seed and inert material.

Furnish to the Owner duplicate copies of a statement signed by the vendor, certifying that each lot of seed has been tested by a recognized seed testing laboratory within 6 months before the date of delivery on the Project.

Seed that is wet, moldy, or otherwise damaged in transit or storage will not be accepted.

**1.5 GUARANTEE**

**A. GUARANTEE PERIOD**

Guarantee work within this Specification for 1 years against all defects of materials and workmanship. The guarantee period begins after the date of Final Acceptance. Replace plants and seed areas not in normal healthy growing condition at the end of guarantee period. Replace with plants with identical species, size, and seed mix. Final Acceptance will be certified in writing by the Owner.

**B. ACCESS TO PROJECT SITE**

Contractor has the right to enter upon the property for inspection and curative treatment of any materials needing such which are still under warranty during the entire guarantee period. The Owner must be notified at least 48 hours in advance of any corrective or curative treatment measures so as to arrange for convenient access to the area.

**C. APPLICABLE CONDITIONS**

The guarantee shall be applicable to any growing conditions through which plants of like kind could be expected to survive, and any deformity or cause of death which could be attributed to, or affected by, the physiological condition of the plant shall be deemed replaceable cause; however, this would not apply to plant losses due to abnormal weather conditions such as floods, excessive wind damage, drought, severe freezing or abnormal rains, as determined by the National Weather Service.

**D. MAINTENANCE DURING GUARANTEE**

It is expressly understood that the Contractor will be responsible, during the Guarantee Period, for normal landscape maintenance of the project. Maintenance of the landscape shall include, but not be limited to hand watering, mowing, weeding, monitoring and treating any disease and/or pest-problems, cultivating and any other maintenance requirements, per

standard trade practices, to keep the plant materials in a normal healthy growing condition.

**PART 2 MATERIALS**

**2.1 TOPSOIL**

The topsoil shall consist of 67 percent sandy loam and 33 percent composted organic material by volume.

The soil shall meet the following requirements:

Soil shall be sandy loam or loamy sand consisting largely of sand, but with enough silt and clay present to give it a small amount of stability. Individual sand grains can be seen and felt readily. On squeezing in the hand when dry, it shall fall apart when the pressure is released; on squeezing when moist, it shall form a cast that does not only hold its shape when the pressure is released, but shall withstand careful handling without breaking.

The mixed soil shall meet the following gradation:

<u>Screen Size</u>	<u>Percent Passing</u>
1/2 inch	100
1/4 inch	95 – 100
#10	85 – 95
#30	60 – 75
#60	50 – 60
#100	20 – 30
#200	5 – 15

Shall have a pH range of 5.5 to 7.5. Soils indicated having a pH below 5.5 shall be treated with dolomitic limestone as necessary to attain this pH range. Soils having a pH greater than 7.5 shall be treated with sulfur as necessary to attain this pH range. The pH shall be determined by soil test.

Organic material shall consist of composted yard debris or organic waste material composted for a minimum of 3 months. Compost shall consist of 100 percent recycled content. In addition, the organic material shall have the following physical characteristics:

1. Shall pass a standard cress test for seed germination (90 percent germination compared to standard).
2. Shall have a pH from 5.5 to 7.5.

3. Shall have a maximum electrical conductivity of 3.0 ohms/cm.
4. Shall have a maximum carbon to nitrogen ratio of 40:1.
5. Shall be certified by the “Process to Further Reduce Pathogens” (PFRP) guideline for hot composting as established by the United States Environmental Protection Agency.

Submit a certified laboratory analysis from an accredited soils testing laboratory indicating the Material source and compliance with all planting soil Specifications to the Engineer for approval before delivery to the Project Site. The analysis shall be with a sample size of no less than 1 pound.

## **2.2 COMPOST**

Composted material shall be derived from a Type 1 feedstock and produced by a facility in compliance with WAC 173-350-220. The compost shall meet Grade AA Compost as defined by Ecology’s Interim Guidelines for Compost Quality (Publication #94-38, Revised November 1994). Compost material shall have 100 percent passing a 1/2-inch screen. The carbon to nitrogen ratio (C:N) of the compost shall be in the range of 20:1 to 35:1. Organic matter of the composted material shall be between 4 percent and 10 percent, and the moisture content shall be between 35 percent to 50 percent as determined by ASTM D 2974. The pH of the compost shall be within the range of 5.5 to 7.0 as determined by ASTM D 2976. The maximum electrical conductivity of composted material shall be 6 ohms/cm. Decomposed Organic Compost shall be mature as determined by US Composting Council stability test ratings referred to in the Ch 173-350 WAC. The product shall be tested within 6 months of proposed use.

## **2.3 SEEDING, FERTILIZING, AND MULCHING**

All areas that have been cleared and grubbed, graded, and where restoration is required, shall receive seeding, fertilizing and mulching. These areas shall be leveled, acceptable to the Owner, existing topsoil broken up to a depth of 6 inches and hydroseeded. Graded areas shall receive 6 inches of Class A topsoil prior to hydroseeding. Native materials selected by the Engineer from material excavated for foundations and stockpiled on site shall be used for topsoil.

For those areas in which hydroseeding would be difficult, the Contractor may request approval from the Owner to hand-apply the hydroseeding mix. Approval shall be granted for hand-application only after reviewing and approving the procedure that the Contractor recommends.

Seeding, fertilizing and mulching shall be installed using an approved-type hydroseeder.

**ADDENDUM NO. 1**

The seed mixture shall have the following composition, proportion and quality:

<b>Kind and Variety of Seed in Mixture</b>	<b>Percent By Weight</b>	<b>Minimum Percent of Pure Seed</b>	<b>Minimum Percent of Germination</b>
Colonial Bent Grass (Highland or Astoria)	10%	9.8%	85%
Creeping Red Fescus (Illahee Rainier or Pennlawn)	40%	39.2%	90%
Perennial Rye Grass	30%	29.4%	90%
White Clover (Pre-inoculated)	20%	19.6%	90%
Maximum Percentage of Weed Seed	1.0%		
Maximum Inert and Other Crops	1.0%		

The seed shall be applied at a minimum rate of 120 pounds per acre.

A commercial fertilizer of the following formulation shall be furnished as specified, and all fertilizer shall be premixed prior to use on the job. The fertilizer shall be applied at the rate of 500 lbs. per acre.

<b>Nitrogen (Inorganic) as N<sub>2</sub></b>	<b>Nitrogen (Organic) Ureaformaldehyde</b>	<b>Phosphorous as P<sub>2</sub>O<sub>5</sub></b>	<b>as K<sub>2</sub>O</b>	<b>Potassium lbs/Acre</b>
10%	38%	20%	20%	500

Wood cellulose fiber mulch shall be applied at the rate of 2,000 pounds per acre.

**PART 3 EXECUTION**

**3.1 PRODUCT DELIVERY, STORAGE, AND HANDLING**

**A. DELIVERY**

Deliver fertilizer and soil additives to the site in original unopened containers bearing manufacturer’s guaranteed chemical analysis, weight, manufacturer’s name, trademark, and conformance with state law.

Protect plant material during delivery to prevent damage to root ball, trunks, stems, or desiccation of leaves.

Transport plants in enclosed trucks. Large trees shall be totally wrapped to prevent damage and windburn. Provide adequate protection so that trunks are not scarred in transport and branches are not broken. Tree

trunks shall be wrapped with protective covering prior to handling and loading. Covering shall be removed at the time of plant materials inspection at the job site.

**B. HANDLING**

Exercise care in handling, loading, unloading, and storing of plant materials. Plant materials damaged in any way shall be discarded and replaced with undamaged materials.

**C. STORAGE**

Protect plant materials from mechanical damage, wind, excessive sun, and drying out. If planting is delayed more than 4 hours after delivery, set plants in shade and keep roots moist by covering with mulch, soil or other acceptable means of retaining moisture.

Protect packaged materials from deterioration during storage.

**3.2 SEED INSTALLATION**

Seeding, fertilizing and mulching shall be installed in conformance with Sections 8-01 and 9-14 of the WSDOT Standard Specifications.

The seed materials will be applied in two applications. The first application shall consist of seed and a non-toxic tracer. The second application shall consist of a homogenous mixture of fertilizer and wood cellulose fiber mulch, and shall be uniformly applied over the seed within 48 hours of the seed application unless otherwise directed by the Owner.

When weather conditions are not conducive to satisfactory results from seeding operations, the Owner may order the work suspended and it shall be resumed only when the desired results are likely to be obtained.

Inspection is required for each area when seeding and fertilizing is complete, and again after mulching is complete.

Areas not receiving a uniform application of seeding at the specified rate as determined by the Engineer shall be reseeded at the Contractor's expense prior to mulching or payment.



**3.3 SEEDED AREA SOIL PREPARATION**

Verify that planting bed grades are in accordance with those indicated on the Plans before proceeding with work. Verify that soil conditions are satisfactory for soil preparation work.

Prepare soil no closer than 3 feet from existing tree trunks up to 6 inches in diameter; no closer than 4 feet from existing tree trunks up to 12 inches in diameter; no closer than 6 feet from existing tree trunks larger than 12 inches in diameter.

Loosen compacted soils to a depth of 12 inches. Rake and remove all material larger than 1-1/2 inches in diameter.

Place 2 inches of compost over existing soil, mix and till to a depth of 6 inches. This material shall be suitable topsoil from the site or imported material.

**3.4 PROTECTION**

All planting materials shall be properly protected against harm from normal weather conditions and the public by the Contractor until Final Acceptance. Maintenance of all the planted areas until Final Acceptance, shall include, but not be limited to, watering, mowing, weeding, and pruning as well as replacement of any plants that appear to be in distress. Tree stakes shall be kept secure at all times. Although planting should occur in spring or fall and when weather conditions are favorable, special planting techniques, defoliating, wilt proofing or spray misting may be required should unseasonable planting conditions occur. No work shall be performed in, over or adjacent to planting areas without approved protection and safeguards.

Plant losses due to abnormal weather conditions such as, floods, excessive wind, drought, severe freezing or abnormal rains; as determined by the National Weather Service shall not be the responsibility of the Contractor.

**3.5 WEED CONTROL**

The Contractor shall use extreme care to ensure chemicals remain within the designated areas. The use of chemical herbicides shall require the use of anti-drift and activating agents and a spray pattern indicator, unless otherwise allowed by the Owner.

All applications of post-emergent herbicides shall be made while green and growing tissue is present. Should unwanted vegetation reach the seed stage in violation of these Specifications, the Contractor shall physically remove and bag

the seed heads. All physically removed vegetation and seed heads shall be disposed of offsite at no cost to the Owner.

The Contractor shall assume all responsibility for rendering any area unsatisfactory for planting by reason of chemical application. The Contractor shall replace, repair and pay for all damages caused by his/her negligence to the satisfaction of the Owner prior to final payment.

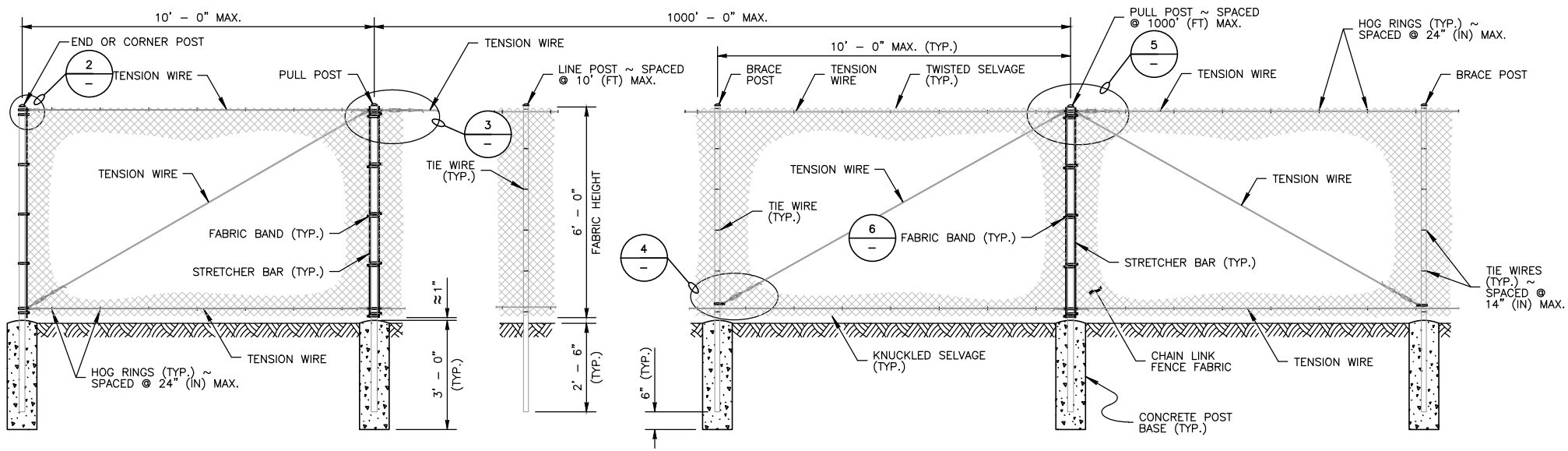
**3.6 CONSTRUCTION ACCEPTANCE**

Construction acceptance shall be subject to well-established trees, shrubs, groundcover, and seeded areas that fulfill the requirement of the approved Plans. The Contractor shall protect and care for all plantings until fully established and healthy. Care shall include equipment and labor necessary to provide sufficient and continuous watering of all seeded areas until final acceptance.

Final Acceptance of all landscaping work described in this Specification, with the exclusion of possible replacements of plant materials under the Guarantee, shall be made by the Owner to determine 100 percent completion of the Contract work. This review shall be made upon written request to the Owner no less than 48 hours prior to the anticipated date of inspection.

**\*\*\* END OF SECTION \*\*\***

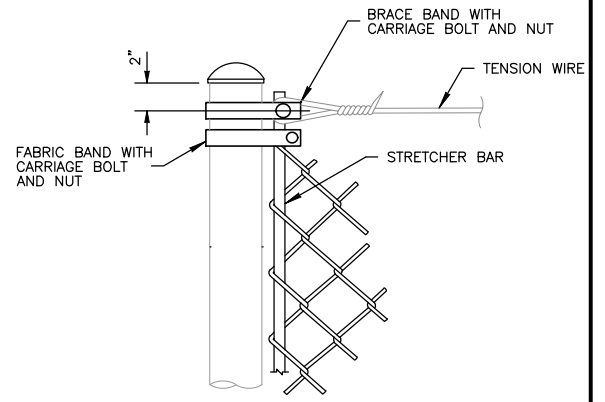
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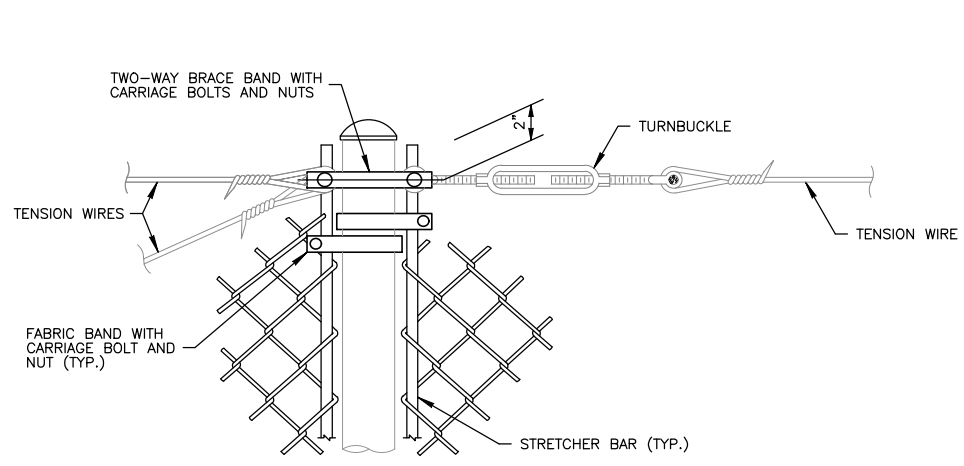
**1 CHAIN LINK FENCE DETAIL**  
SCALE: NOT TO SCALE

**NOTES**

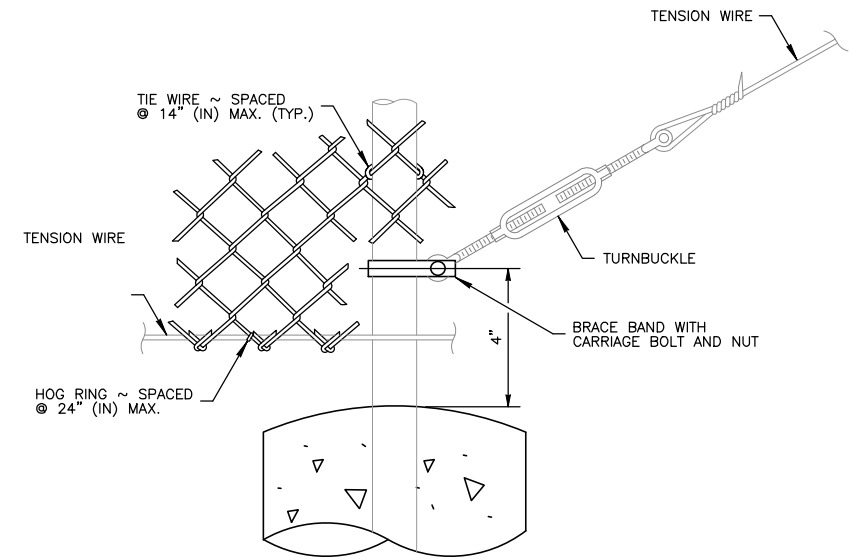
1. ALL CONCRETE POST BASES SHALL BE 10" (IN) MINIMUM DIAMETER.
2. ALONG THE TOP AND BOTTOM, USING HOG RINGS, FASTEN THE CHAIN LINK FENCE FABRIC TO THE TENSION WIRE WITHIN THE LIMITS OF THE FIRST FULL FABRIC WEAVE.
3. DETAILS ARE ILLUSTRATIVE AND SHALL NOT LIMIT HARDWARE DESIGN OR POST SELECTION OF ANY PARTICULAR FENCE TYPE.
4. FENCING SHALL BE USED FOR SECURITY AND BOUNDARY DELINEATION ONLY.
5. VINYL COATING PER SPECIFICATION.



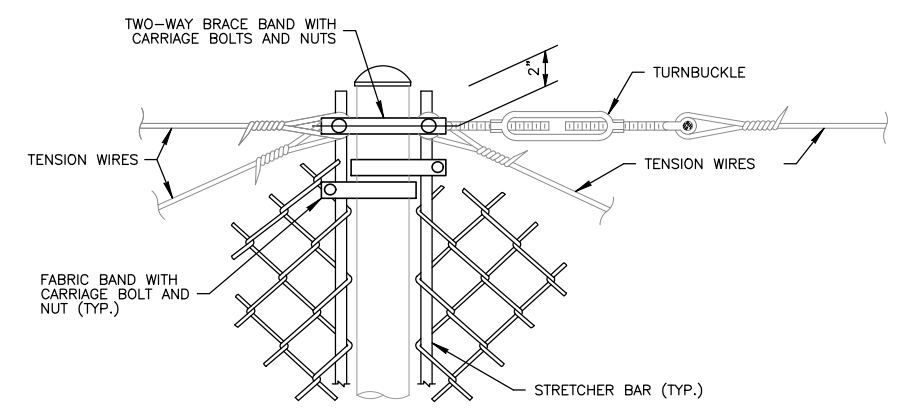
**2 END OR CORNER POST DETAIL**  
SCALE: NOT TO SCALE



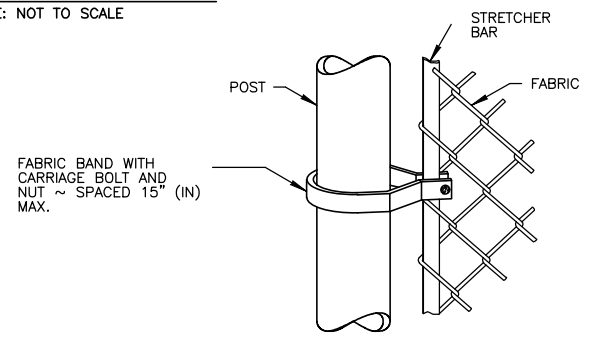
**3 PULL POST DETAIL (AT END OR CORNER)**  
SCALE: NOT TO SCALE



**4 BRACE POST DETAIL**  
SCALE: NOT TO SCALE

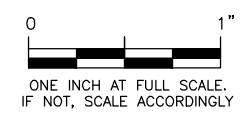
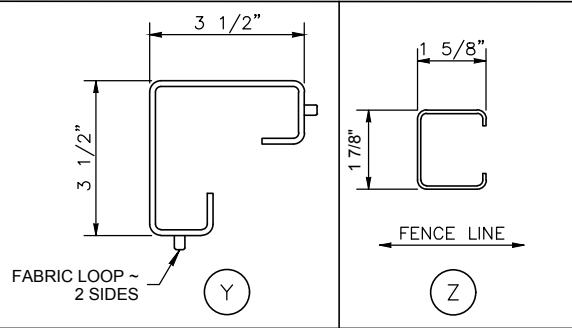


**5 PULL POST DETAIL (WITHIN RUN)**  
SCALE: NOT TO SCALE



**6 STRETCHER BAR TO POST FASTENING DETAIL**  
SCALE: NOT TO SCALE

POST AND RAIL SPECIFICATIONS			
POST	PIPE	ROLL FORMED	
	NOM. SIZE (SCH. 40) I.D.	SECTION	WEIGHT (lb/ft)
END, CORNER, OR PULL POST	2 1/2" DIAM.	(Y)	5.10
LINE OR BRACE POST	2" DIAM.	(Z)	1.85



**CITY OF MILTON**  
RESERVOIR REPLACEMENT  
**FIGURE 1-4**  
CHAIN LINK FENCE DETAIL



**Gray & Osborne, Inc.**  
CONSULTING ENGINEERS