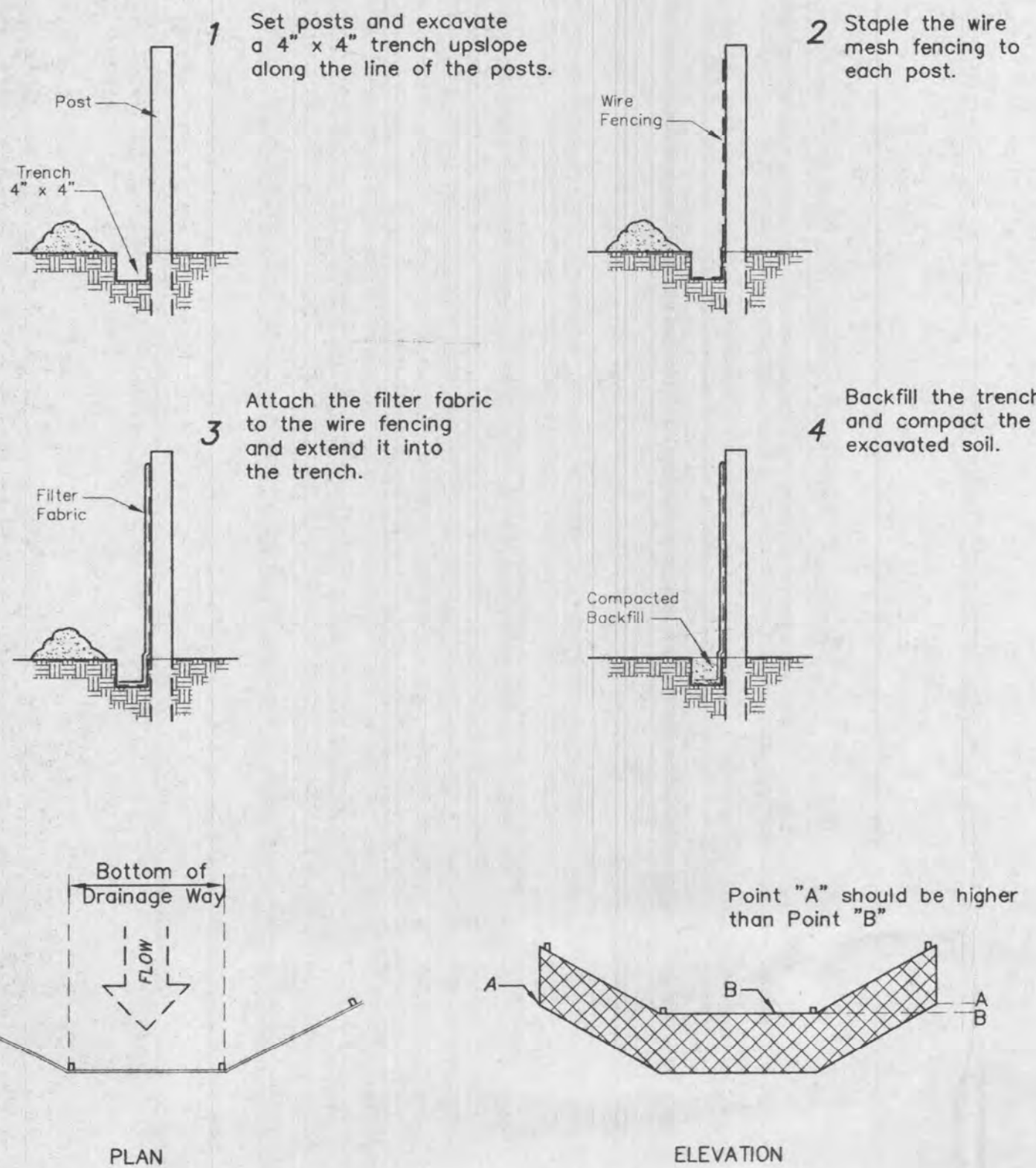


SYNTHETIC FILTER BARRIERS  
For Urban Development Sites

APPENDIX D

MAINTENANCE

- Filter barriers shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.
- Should the fabric decompose or become ineffective prior to the end of the expected usable life and the barrier still be necessary, the fabric shall be replaced promptly.
- Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately half the height of the barrier.
- Any sediment deposits remaining in place after the silt fence or filter barrier is no longer required shall be dressed to conform with the existing grade, prepared and seeded.



Placement and Construction of a Synthetic Filter Barrier

APPENDIX A

Seeding Rates:

**Permanent:**  
Tall Fescue - 30 lbs./ac.  
Smooth Brome - 20 lbs./ac.  
Combined: Fescue @ 15 lbs./ac. and Brome @ 10 lbs./ac.

**Temporary:**

Wheat or Rye - 150 lbs./ac. (3.5 lbs. per square foot)  
Oats - 120 lbs./ac. (2.75 lbs. per square foot)

**Seeding Periods:**

Fescue or Brome - March 1 to June 1  
August 1 to October 1

Wheat or Rye - March 15 to November 1  
Oats - March 15 to September 15

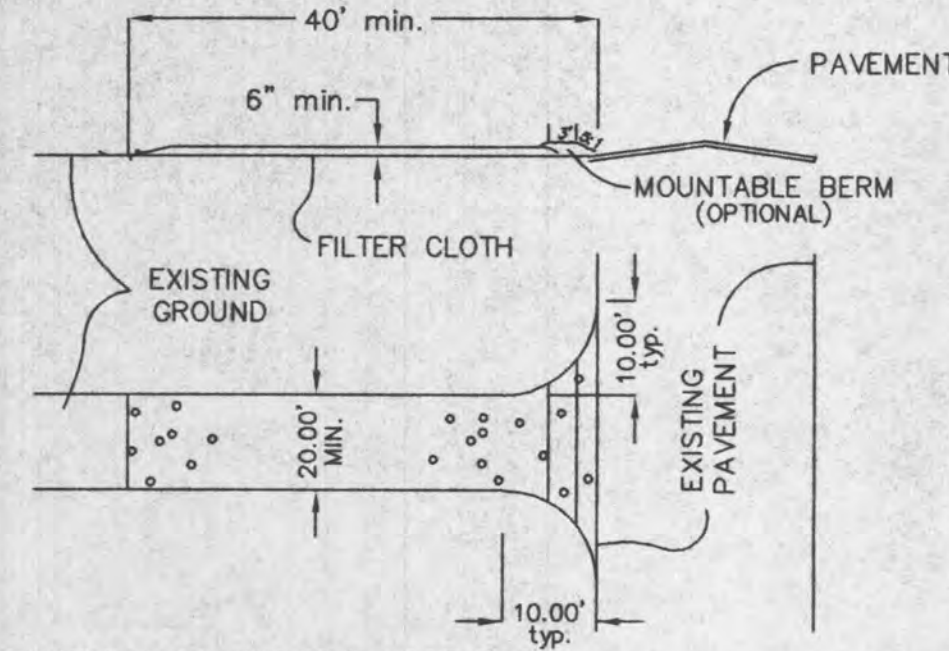
**Mulch rates:** 100 lbs. per 1,000 sq. ft. (4,356 lbs. per acre)

**Fertilizer rates:** Nitrogen 30 lbs./ac.  
Phosphate 30 lbs./ac.  
Potassium 30 lbs./ac.  
Lime 600 lbs./ac. ENM\*

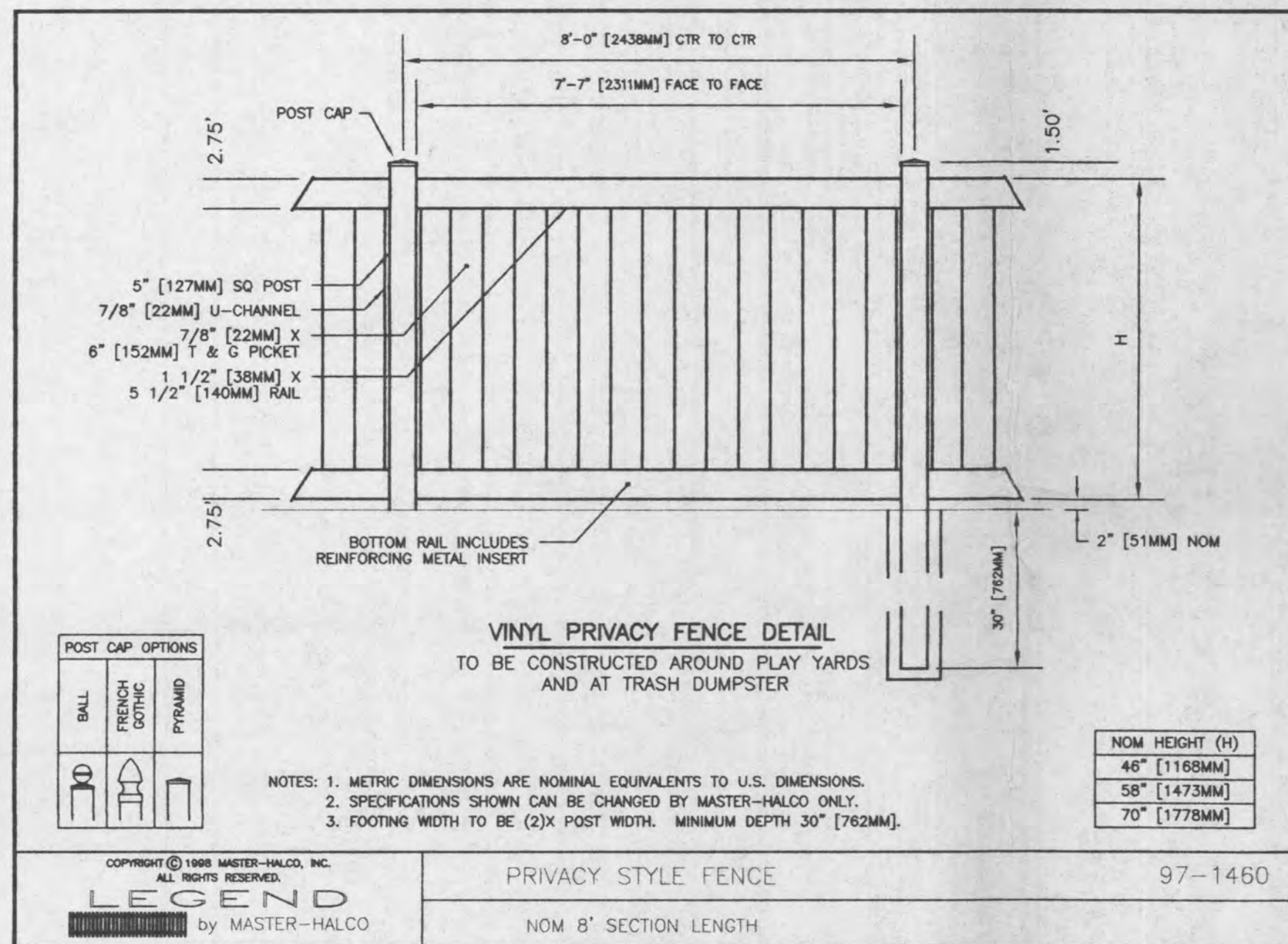
\*ENM = effective neutralizing material as per State evaluation of quarried rock.

CONSTRUCTION SPECIFICATIONS

- Stone Size: Use 2" stone or reclaimed or recycled concrete equivalent.
- Length: As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
- Thickness: Not less than six (6) inches.
- Width: twenty six (26) foot minimum, but not less than the full width at points where ingress or egress occurs.
- Filter Cloth: Will be placed over the entire area prior to placing of the stone. Filter will not be required on a single family residence lot.
- Surface Water: All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with a 5:1 slope will be permitted.
- Maintenance: The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto a public right-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto the public right-of-way must be removed immediately.
- Washing: Wheels shall be cleaned to remove sediment prior to entrance onto the public right-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
- Periodic inspection and needed maintenance shall be provided after each rain.



STABILIZED CONSTRUCTION ENTRANCE  
AND TEMP. TRUCK WASHDOWN AREA DETAIL  
N.T.S.

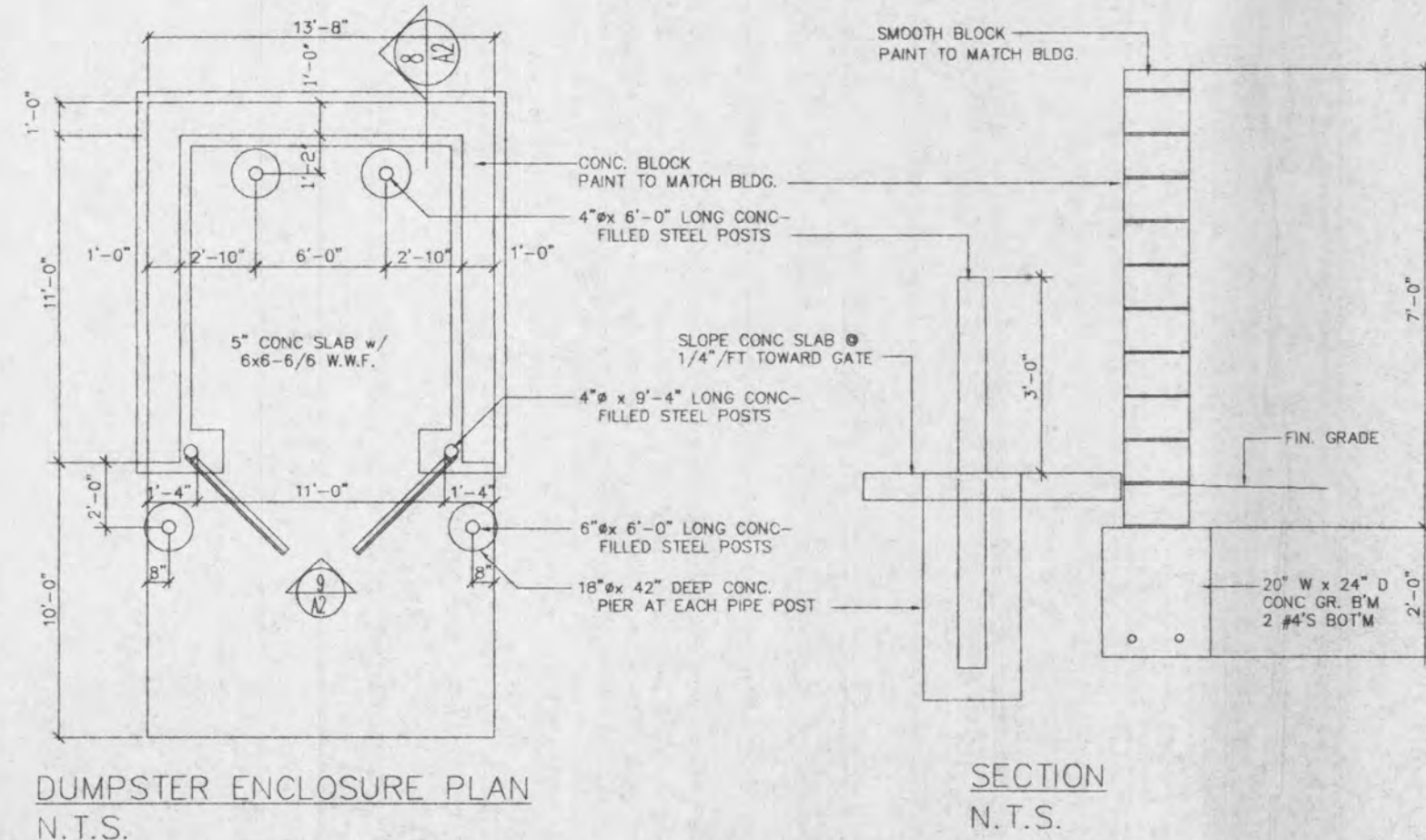


VINYL PRIVACY FENCE DETAIL  
TO BE CONSTRUCTED AROUND PLAY YARDS  
AND AT TRASH DUMPSTER

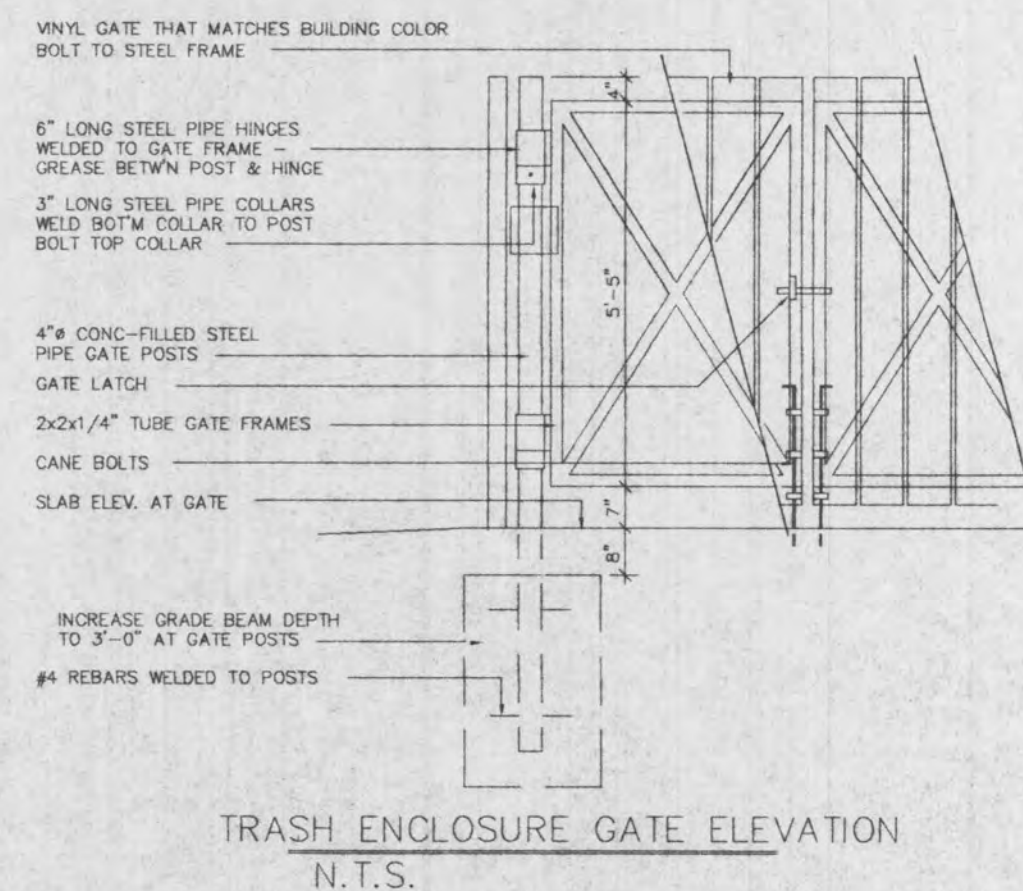
NOTES: 1. METRIC DIMENSIONS ARE NOMINAL EQUIVALENTS TO U.S. DIMENSIONS.  
2. SPECIFICATIONS SHOWN CAN BE CHANGED BY MASTER-HALCO ONLY.  
3. FOOTING WIDTH TO BE (2)x POST WIDTH. MINIMUM DEPTH 30" [762MM].

POST CAP OPTIONS	NOM HEIGHT (H)
BALL	46" [1168MM]
FRENCH	58" [1473MM]
CONIC	70" [1778MM]
PYRAMID	

LEGEND  
by MASTER-HALCO  
PRIVACY STYLE FENCE 97-1460  
NOM 8' SECTION LENGTH



DUMPSTER ENCLOSURE PLAN  
N.T.S.



TRASH ENCLOSURE GATE ELEVATION  
N.T.S.

SITE NOTES

- All dimensions shown are to back of curb unless noted otherwise.
  - DO NOT SCALE DRAWINGS, USE DIMENSIONS AS SHOWN.
  - Additional sitation control may be required as directed by the City of O'Fallon.
  - Storm sewers are to be private unless otherwise noted.
  - Contractor to notify the engineer if discrepancies are found in the field compared to the design plans.
  - Reference points, such as survey monuments, bench marks, stakes, etc., shall be preserved, but if disturbed or destroyed, shall be replaced as directed, at the expense of the contractor.
- All concrete and asphalt concrete pavement to be removed shall be sawcut on a straight line along the contact line with the existing pavement to remain. Concrete walks and curbs to be removed shall be sawcut at the nearest contraction or expansion joint.
- No work shall be done which will affect existing utilities prior to having ascertained that the utilities have been properly capped, plugged, or otherwise abandoned in a manner acceptable to the affected utility company. The appropriate agency shall be notified prior to the commencement of any work which will affect any existing utility. Removals or relocations by utility companies are to be initiated and coordinated by the Contractor.
- All site construction and sewer construction to be per City of O'Fallon standards and specifications.
  - Building dimensions as shown are to outside face of building and are per architectural plans received during March, 2002. See architectural plans for locations of building area walks, walls, etc. If overall building dimensions vary from those shown on these plans, contact the engineer prior to proceeding with site construction.
  - Conduct operations to prevent injury to adjacent buildings, structures, other facilities and persons. Signs, lights, and barricades shall be installed at all locations as necessary to guard against accident. Promptly repair damages caused to facilities by operations, as directed by the engineer and at no cost to the Owner.
  - New pavement - The Contractor shall fine grade and proof roll the subgrade to the elevations as shown. Subgrade shall be compacted to densities noted. The base course and surface course shall be constructed in accordance with St. Louis County Standard Specifications for Highway Construction. The base course shall be Type 1 crushed rock and the compacted thickness shall be as shown on the drawings. Base course shall be compacted to densities noted. The asphalt surface wearing course shall be Type C asphaltic cement, penetration grade 85-100. Final rolled density shall not be below 95% of the average density of Marshall test laboratory specimens. Constructed thickness shall be within 1/4".
- Maintenance of finished asphaltic concrete surfacing will be required until acceptance of work by Owner.
- Pavement traffic marking to be one (1) coat of paint, white except as shown, and shall be chlorinated rubber based paint meeting Federal Specifications No. TT-P-115-D, Type III or equal. Application shall be 15 mils thick wet film (320 lin. ft. of 4" stripe per gallon).

**PICKETT RAY & SILVER**  
CIVIL ENGINEERS  
PLANNERS  
LAND SURVEYORS  
333 Mid Rivers Mall Drive  
St. Peters, MO 63376  
Phone (636) 397-1211  
Fax (636) 397-1104

**BRIGHT START DAYCARE**  
THE CROSSINGS AREA "G"  
O'FALLON, MISSOURI  
239 FOX HILL ROAD  
ST. CHARLES, MO 63301  
(636) 940-9300  
Prepared For:  
**T.R. HUGHES, INC.**

REVISIONS	NO.	DATE	PER CITY OF O'FALLON	PER CITY OF O'FALLON
	05-29-02			
	05-28-02			

ENGINEERS AUTHENTICATION  
The responsibility for professional engineering liability on this project is hereby limited to the set of plans authenticated by the seal, signature, and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions after this date unless reauthenticated.

**PICKETT, RAY & SILVER, INC.**  
STATE OF MISSOURI  
**HAROLD J. BARTCH**  
REGISTERED PROFESSIONAL ENGINEER  
NUMBER E-17751

DRAWN D.L.STOSZ	DATE 04-15-02
CHECKED D.W.BYRD	DATE 04-15-02
PROJECT # 01212.TRHU.OOC	FIELD BOOK

BRIGHT START DAYCARE  
CONSTRUCTION DETAILS  
SHEET 7 OF 7  
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