

SPECIFICATIONS AND NOTES:

General

- This project has been designed in accordance with the International Building Code, 2003 Edition.
- Applied Loads:  
 Basic Wind Speed: 90 mph 3 sec. gust  
 Importance Factor: 0.87  
 Exposure Category: 'B'  
 Seismic S<sub>s</sub> = 0.100  
 S<sub>1</sub> = 0.052
- Product to be manufactured by a NPCA Certified Plant.  
 Manufacturer: Superior Concrete Products  
 Contact: Calvin Clarke  
 1203 Raider Drive  
 Euless, TX 76040  
 Phone No.: (817) 277-9255  
 Fax No.: (817) 261-0194
- Screening Wall is to be constructed entirely on the project property.
- Should drainage be required, the bottom panel shall be raised 2"-4" above grade by means of a concrete filled "Schedule 80 PVC Pipe" placed in the groove of the respective posts.
- Standard integral color "Light Earth Tone"

Concrete

- Concrete Materials:
  - Concrete shall be normal weight concrete having sand and gravel or crushed stone aggregates, mixed with ASTM-C150, Type I or Type III Portland Cement to meet the minimum compressive strengths as follows:
    - panels & posts: 5000 psi @ 28 days
    - footings & piers: 2500 psi at 28 days
    - sidewalks & non-structural: 2500 psi at 28 days
  - Water used for concrete shall be clean water and free from injurious amounts of oils, acids, alkalis, organic or other deleterious substances.
  - All concrete permanently exposed to the weather shall contain an air-entraining admixture resulting in 3 to 8% entrained air or as recommended by the manufacturer.
- Concrete Workmanship:
  - Fresh poured concrete shall be tamped into place by steel rammer, slicing tools or mechanical vibrator, until concrete is thoroughly compact and without void.
  - Make excavations for footings to undisturbed soil or to the depth noted on the drawings. Leave the bottom bearing surface clean and smooth. If footing excavations are made deeper than intended, only concrete shall be used for fill. Remove all loose material from excavations prior to concrete pour.

Reinforcements

- Reinforcing Materials:
  - Deformed type bars shall conform to ASTM-A 615, Grade 60, placed as shown on the drawings.
  - Steel Reinforcing wire shall meet U.S. Steel wire gage, ASTM-A 82, fy = 70,000 psi min. Galvanized.
  - All ties and stirrups shall conform to the requirements of ASTM-A 615, grade 40.
- Reinforcing Workmanship:
  - Reinforcement steel shall be fabricated in accordance with the CRSI Standard Details. Reinforcing bars shall be cold-bent only. Use of heat to bend reinforcement steel shall be cause for rejection.
  - Reinforcement steel, bars and wire fabric shall be thoroughly cleaned before placing and again before the concrete is placed, shall be accurately positioned and secured in place. Provide standard bar chairs for all beam steel. No brick or porous materials may be used to support the steel off the ground.
  - Install all reinforcement with the following clearances between reinforcing steel and face of concrete:
    - Footing, pier, or beam bottom: 3"
    - Earth-formed pier or beam sides: 2"
    - Formed footing, pier or beam sides, exposed: 1"
    - Precast exposed to weather: panels 3/4"; posts 1 1/4"
  - Splices within continuous unscheduled reinforcing steel shall have a minimum lap of 30 bar diameters.

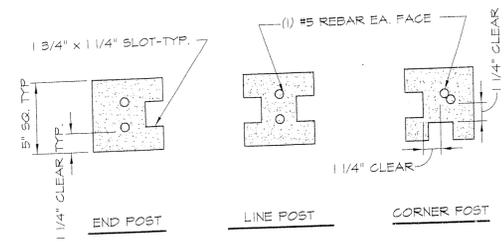
Soils

- Footing size is based on the following minimum soil properties:
  - Soil Compaction: 90% Std. Proctor
  - Bearing Capacity: 1,500 psf
  - Frictional Resistance: 250 psf
  - Lateral Bearing: 100 psf/ft of depth

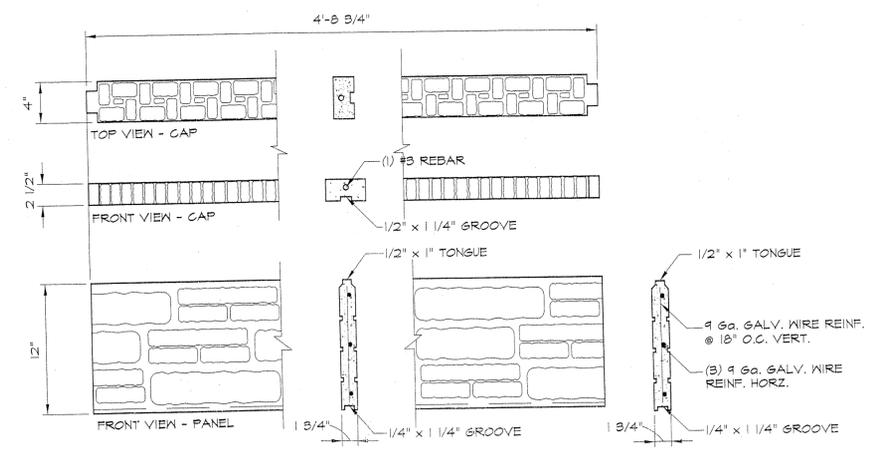
PRECAST SCREENING WALL  
 8' high Chesapeake Energy

**SUPERIOR COBBLESTONE**  
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 1203 Raider Drive EULESS TX 76040  
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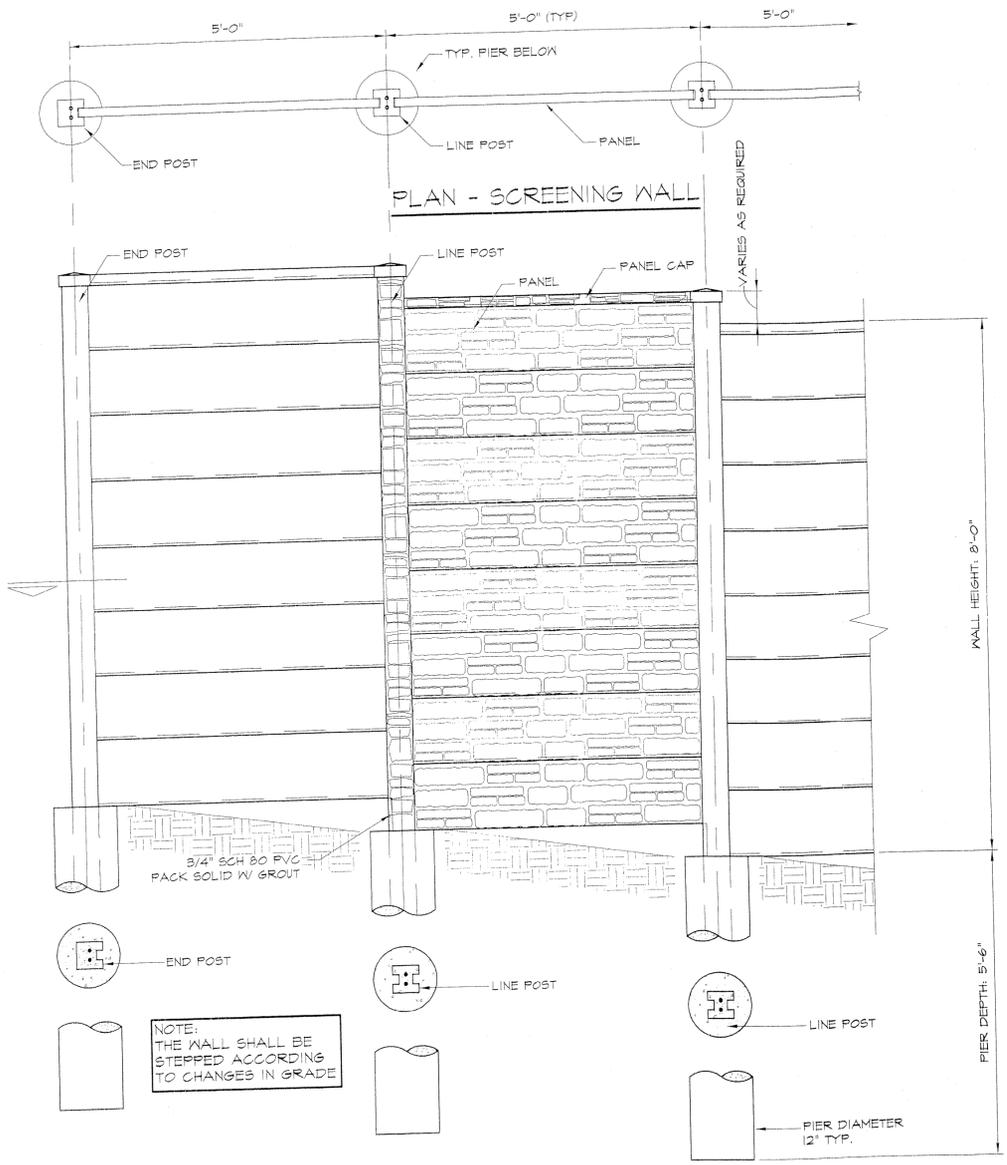
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 OF 1 SHEET(S)



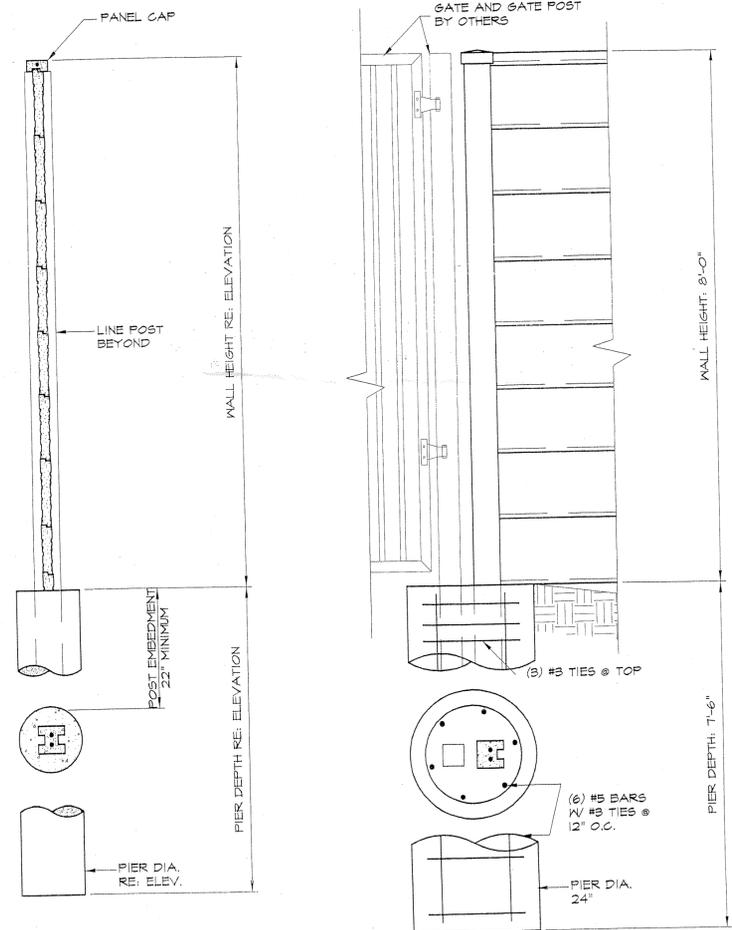
**SECTIONS 5" x 5" POST**  
SCALE 2" = 1'-0"



**DETAILS - PANEL & CAP**  
SCALE 1 1/2" = 1'-0"



**ELEVATION - SCREENING WALL**  
SCALE 3/4" = 1'-0"



**SECTION - SCREENING WALL**  
SCALE 3/4" = 1'-0"

**ELEVATION @ GATE POST**  
SCALE 3/4" = 1'-0"