



CHISELSTONE HILLTOP CONCRETE

18775 FM 2493
Flint, TX 75762
(903) 630 - 5465

Specifications and Notes

General:

1. This project has been designed in accordance with the International Building Code, 2010 Edition.

2. Applied loads:

- a. Wind Velocity (V) = 90 mph
- b. Exposure: B
- c. Importance Factor (I) = 1.0
- d. Velocity Pressure Exposure Coefficient (Kz) = 0.70
- e. Wind Directionality Factor (Kd) = 0.85
- f. Topographic Factor (Kt) = 1.0
- g. Wind Pressure $p = 0.00256(Kz)(Kd)(V^2)(I)$
 $p = 0.00256(0.70)(1.0)(90)^2(1.0)$
 $p = 12.3 \text{ psf}$

h. Working Design Stress: 33% increase (1.33)
i. Seismic Design: Site Class D

3. Precast components to be manufactured by Artisan Precast
a. Posts, Panels and Panel caps shall be precast off-site.
b. Screening wall is to be erected entirely on the project property.
c. Piers/Footings are to be cast in place on site.

Concrete

1. Concrete Materials:

- a. Concrete shall be normal weight concrete having sand and gravel or crushed stone aggregate. Mixed with ASTM-C150, Type I or II portland cement to meet the minimum compressive strength as follows:
 - 1. panels & post: 3000 psi @ 28 days
 - 2. footings & piers: 3000 psi @ 28 days
 - 3. sidewalk & non-structural: 3000 psi @ 28 days
- b. Water used for concrete shall be clean water and free from injurious amounts of oils, acids, alkalies, organic or other deleterious substances.
- c. All concrete permanently exposed to the weather shall contain an air-entraining admixture resulting in 3 to 6 percent entrained air or recommended by the manufacturer.

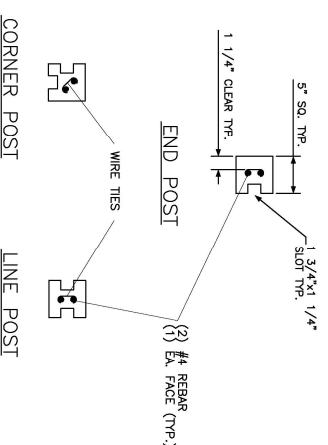
2. Concrete workmanship:

- a. Fresh poured concrete shall be tamped in to place using steel rermer, slicing tools, or mechanical vibrator, until concrete is thoroughly compact and without voids.
- b. Excavation for footing shall be on 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:

- 1. Reinforcing material:
 - a. Deformed type bars shall conform to ASTM-A 615, Grade 60 placed as shown on the drawings.
 - b. Steel reinforcing wire shall meet U.S. Steel Wire gauge, ASTM-A 82, fy = 70,000 psi min galvanized.
 - c. All ties and stirrups shall conform to the requirements of ASTM-A/ 615, Grade 40.
 - d. All welded wire reinforcement shall be 4x12-D4/D4 having 3 horizontal bars and 5 vertical bars.

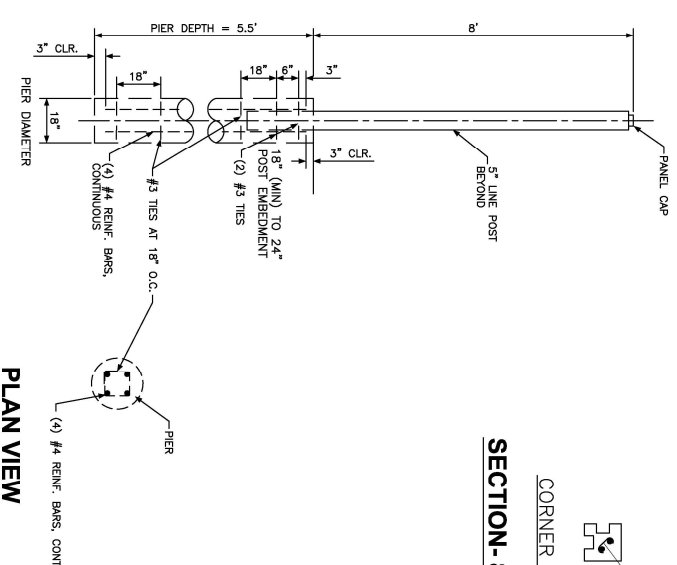
SECTION - 8' SCREENING WALL POST



CORNER POST

LINE POST

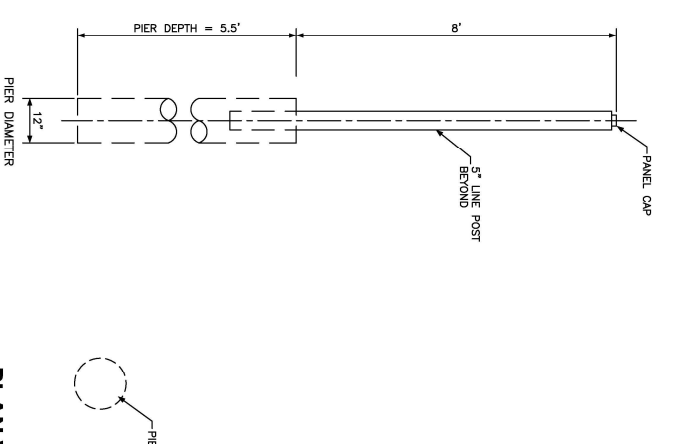
SECTION - 8' SCREENING WALL AND PIER



PLAN VIEW

(4) #4 REINFORCING BARS, CONT.

PLAN VIEW



PIER DIAMETER

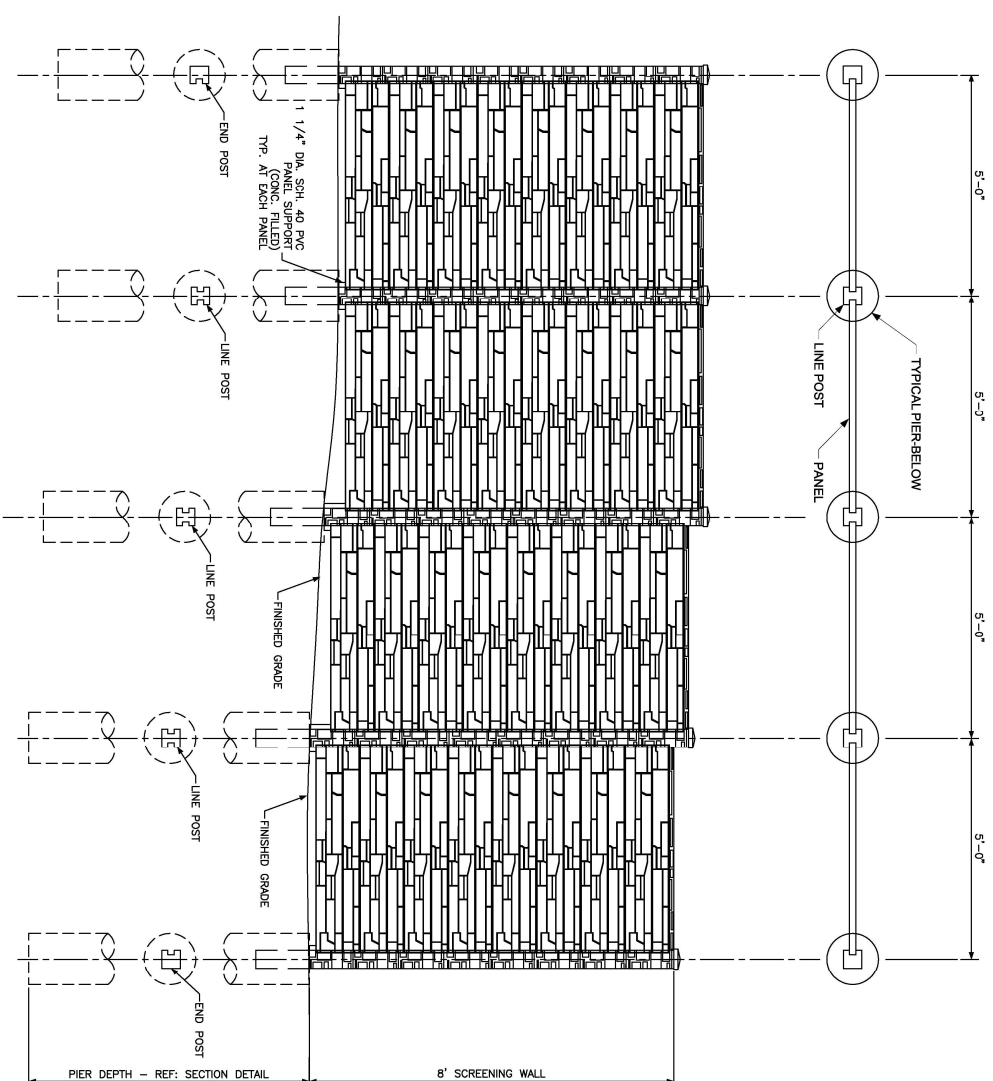
5' LINE POST

BELONG

SECTION - 8' SCREENING WALL AND PIER

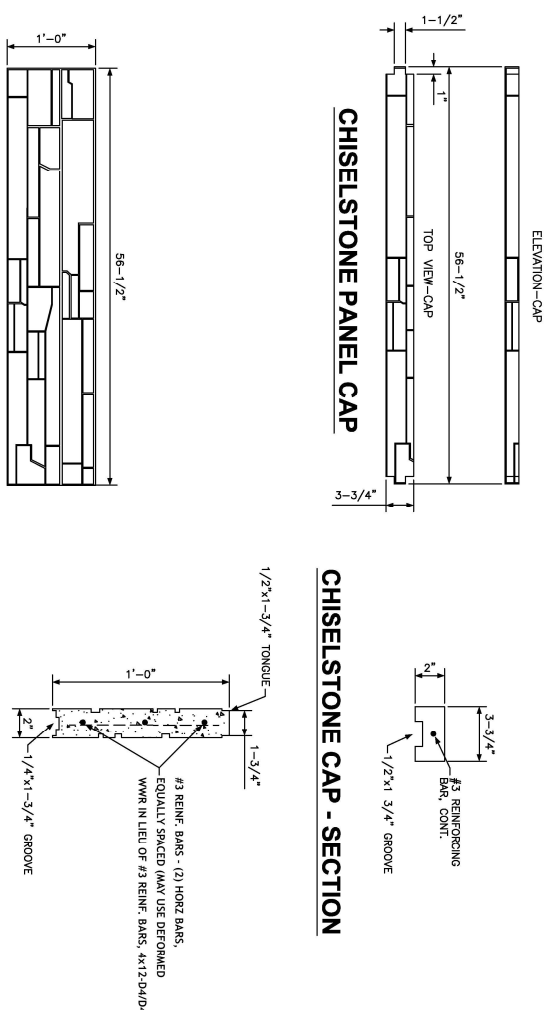
LINE POST PIERS WILL HAVE NO REBAR.

ELEVATION - 8' SCREENING WALL AND PIERS



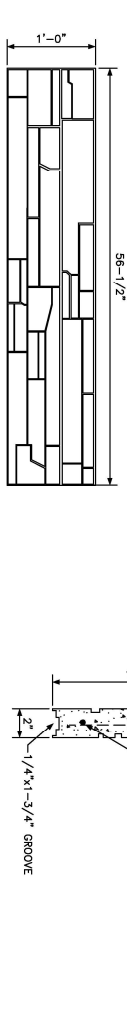
CHISELSTONE PANEL CAP

CHISELSTONE CAP - SECTION



CHISELSTONE STANDARD PANEL

CHISELSTONE PANEL - SECTION



SECTION - 8' SCREENING WALL AND PIER

END POST PIER

END POST PIERS WILL HAVE REBAR.
END POST PIERS ARE DESIGNATED AS THE FIRST
THREE POSTS AT THE END OF THE WALL.

NO.	REVISION

JOB	DATE

BY	DATE

DESIGNED	DATE

DRAWN	DATE

CHECKED	DATE

SHEET
W1.0
SHEET 1 OF 1