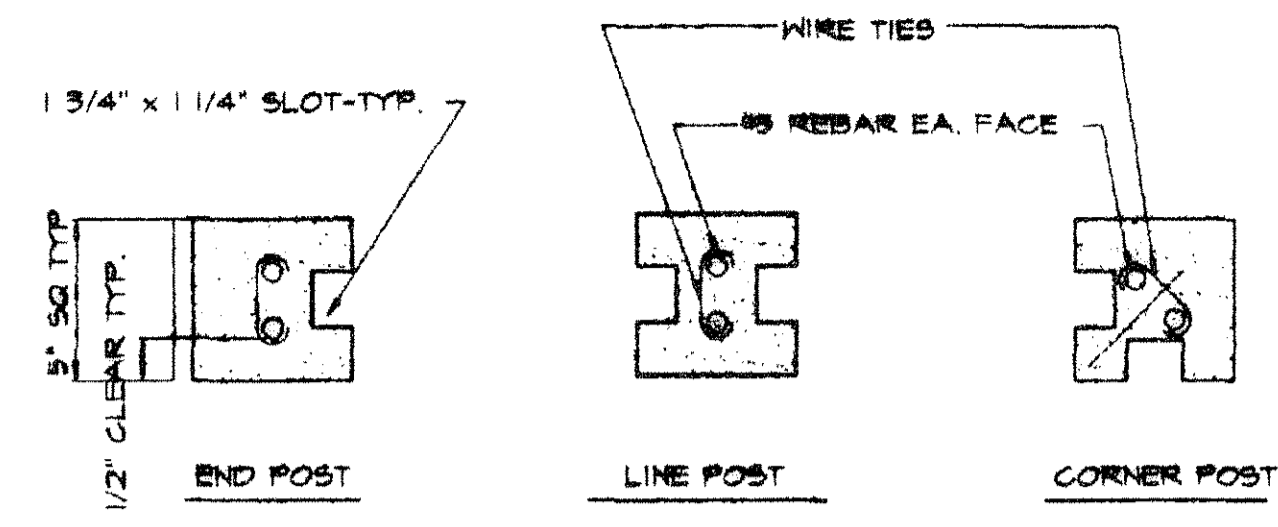
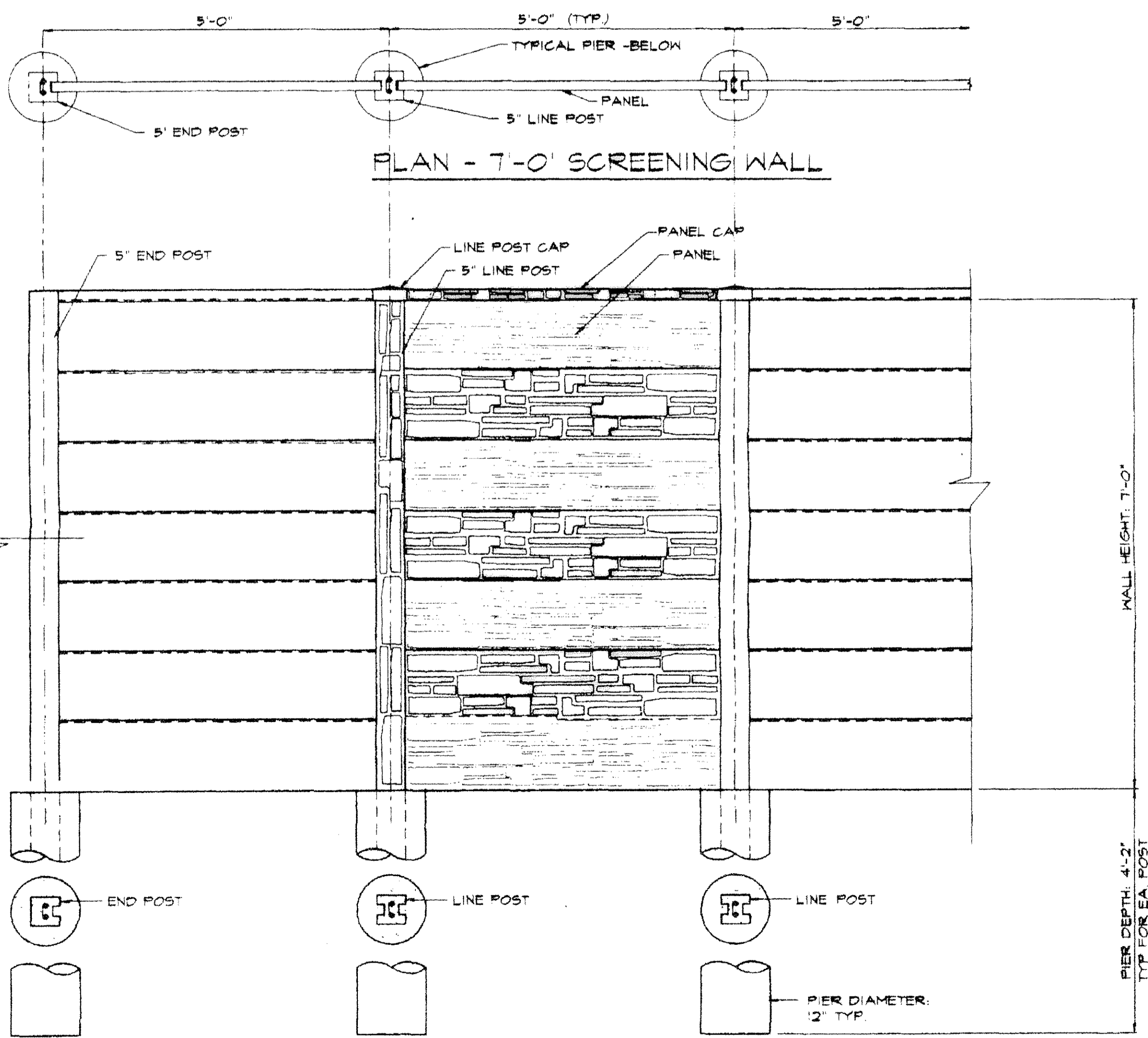


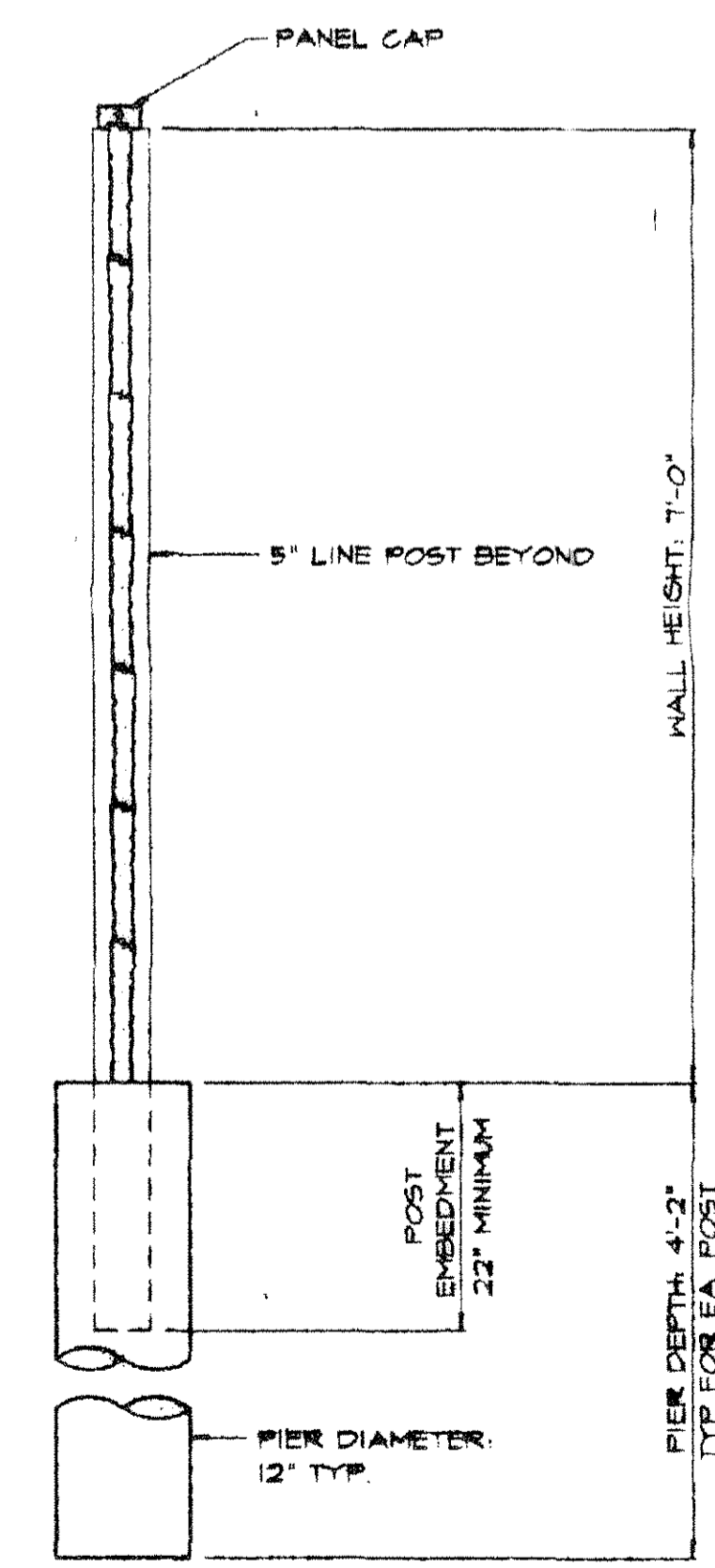
DETAILS - SUPERIOR-STONE PANEL & CAP  
SCALE: 1 1/2" = 1'-0"



SECTIONS - 5" POST  
SCALE: 2" = 1'-0"



ELEVATION - 7'-0" SCREENING WALL  
SCALE: 3/4" = 1'-0"



SECTION - 7'-0" SCREENING WALL  
SCALE: 3/4" = 1'-0"

- SPECIFICATIONS AND NOTES:**
- General**
- This project has been designed in accordance with the Uniform Building Code, 1994 Edition.
  - Applied Loads:
    - Wind Velocity V: 80 mph
    - Exposure & Gust Factor Co: 0.82
    - Pressure Coefficient Cq: 1.40
    - Signation Pressure Qs: 12.3
    - Importance Factor I: 1.0
    - Wind Pressure P = 0.82(1.40)12.3(1.0) = 10.88 psf
    - Seismic Design: Zone 0
  - Product to be manufactured by a NPCA Certified Plant
- Concrete**
- Concrete Materials:
    - a. 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: 4500 psi @ 28 days
      - footings & piers: 2500 psi at 28 days
      - sidewalks & non-structural: 2800 psi at 28 days
    - b. Water used for concrete shall be clean water and free from injurious amounts of oils, acids, alkalis, organic or other deleterious substances.
    - c. All concrete permanently exposed to the weather shall contain an air-entraining admixture resulting in 3 to 6% entrained air or as recommended by the manufacturer.
  - Concrete Workmanship:
    - a. Fresh poured concrete shall be tamped into place by steel rammer, slicing tools or mechanical vibrator, until concrete is thoroughly compact and without void.
    - b. 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 grade before excavations prior to concrete pour.
- Reinforcements**
- Reinforcing Materials:
    - a. All reinforcing steel shall be deformed type bars and conform to ASTM-A 615, Grade 60, placed as shown on the drawings.
    - b. All ties and stirrups shall conform to the requirements of ASTM-A 615, grade 40.
  - Reinforcing Workmanship:
    - a. 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.
    - b. 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.
    - c. Install all reinforcement with the following clearances between reinforcing steel and face of concrete:
      - a. Footing, pier, or beam bottom: 3"
      - b. Earth-formed pier or beam sides: 2"
      - c. Formed footing, pier or beam sides, exposed: 1"
      - d. Precast exposed to weather: panels 3/4"; posts 1 1/4"
    - d. 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% SRA Proctor
    - Bearing Capacity: 1,500 psf
    - Frictional Resistance: 250 psf
    - Lateral Bearing: 300 psf/ft of depth (filly sand)

SEE NTMWD GENERAL NOTES  
ON COVER SHEET

SCREENING WALL DETAILS						
WINDMILL RIDGE ESTATES PH. IV-B						
City of Rockwall, Rockwall County, Texas						
KPA CONSULTING, INC.						
14800 Quorum Drive ~ Suite 500 ~ Dallas, Texas 75248						
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
G.W.F.	B.J.	DATE	N.T.S.	K.P.A.	FILE_NO.	30

WINDMILL RIDGE ESTATES PHASE IV-B

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