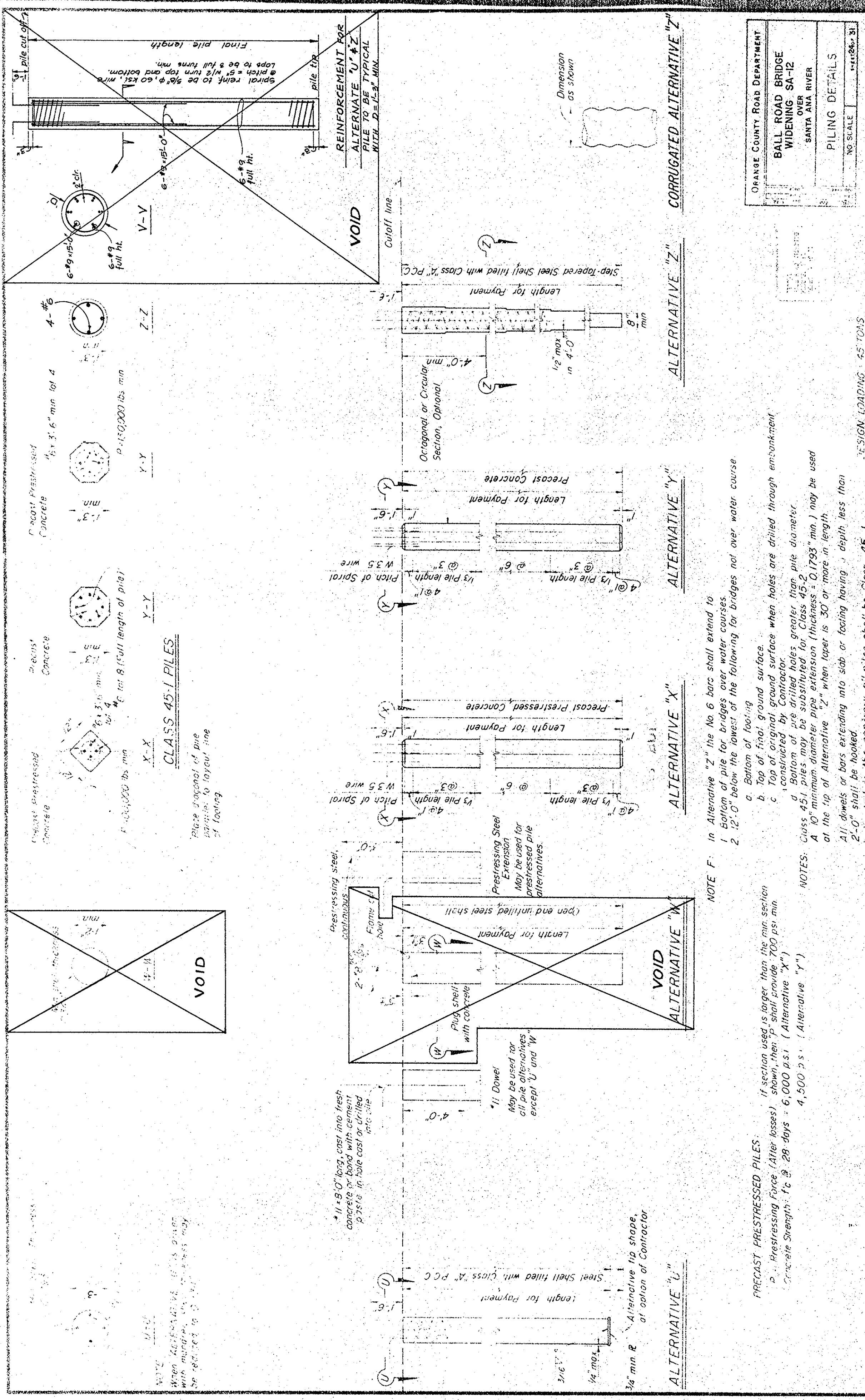




DR# 2 (12241)



NOTE F: In Alternative "Z" the No. 6 bar shall extend to:
 1. Bottom of pile for bridges over water courses.
 2. 12'-0" below the lowest of the following for bridges not over water course:
 a. Bottom of footing
 b. Top of final ground surface.
 c. Top of original ground surface when holes are drilled through embankment constructed by Contractor.
 d. Bottom of pre-drilled holes greater than pile diameter.

NOTES:
 1. Class 45-I piles may be substituted for Class 45-2.
 2. A 10" minimum diameter pipe extension (thickness = 0.1793" min.) may be used at the tip of Alternative "Z" when taper is 30° or more in length.
 3. All dowels or bars extending into slab or footing having depth less than 2'-0" shall be hooked.
 4. Unless indicated to the contrary all piles shall be Class 45-I.

DESIGN LOADING: 45 TONS

PRECAST PRESTRESSED PILES:
 If section used is larger than the min. section shown, then "P" shall provide 700 p.s.i. min.
 Prestressing Force (After losses):
 Concrete Strength: f'c @ 28 days = 6,000 p.s.i. (Alternative "X")
 4,500 p.s.i. (Alternative "Y")

* 11" x 8" x 1/2" long, cast into fresh concrete or bond with cement paste in hole cast or drilled into pile.

* 11" Dowel
 May be used for all pile alternatives except "U" and "W"

Steel Shell filled with Class "A" P.C.C.
 Length for Payment
 3/16" min. R Alternative "U" shape, at option of Contractor
 1/4" max.
 3/16"