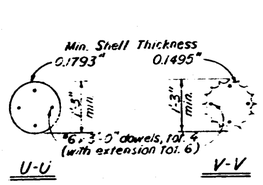
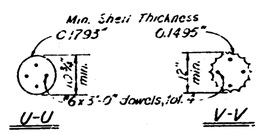
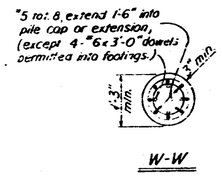
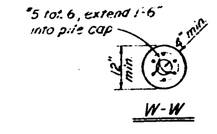
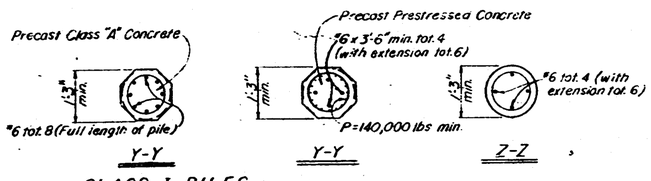




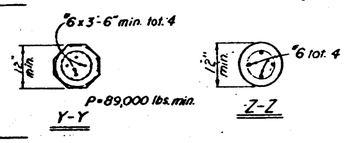
Note:
When "ALTERNATIVE U" is driven with mandrel, shell thickness may be reduced to 0.1196"



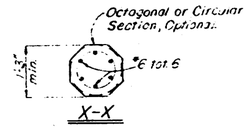


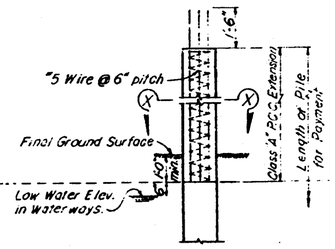


CLASS I PILES
Scale: 3/4"=1'-0"

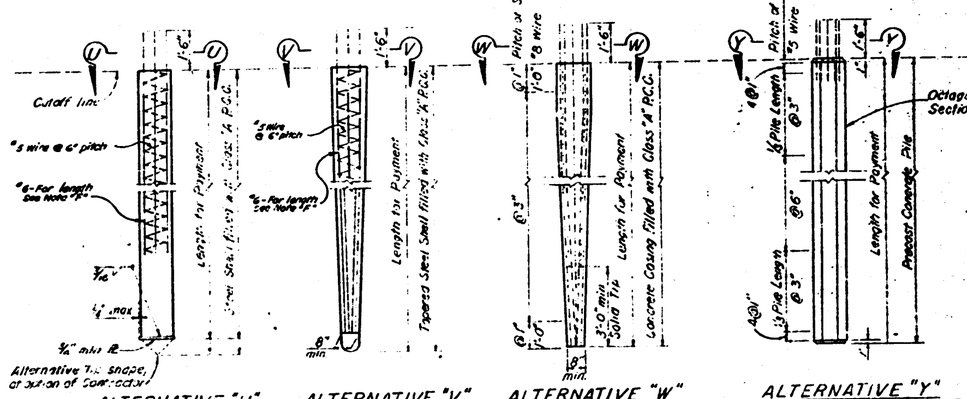


CLASS II PILES
Scale: 1/4"=1'-0"





PILE EXTENSION
Permitted with Class I Piles only.



10" min dia. pipe extension may be used at the tip when step taper is 30' or more in length

Maximum thickness of pipe extension=0.1793"

PILE NOTES

Alternative "U" & "Y" may be driven full length and closed without extension or may be extended. All pipe in piles or pile extensions shall be consistent in cross-section throughout the project.

Alternative "Y" (Prestressed)
P=Prestressing Force (after losses)
Concrete stress:
f'c = 4500 p.s.i. @ 28 day.
f'ci = 3500 p.s.i. @ transfer (3/8" strand)
f'ci = 4500 p.s.i. @ transfer (1/2" and 7/16" strand)

Note "F": In Alternative "Z" the "6" bar shall extend a minimum of 12" below the lowest of the following:
1. Bottom of footing
2. Top of final ground surface
3. Top of original ground surface which will be driven through fills.

Class I piles may be substituted for Class II piles. Unless indicated to the contrary all piles shall be Class I piles.

DESIGN LOADING = 45 TONS

Plan #60M
Valley View St. Bridge
Sheet 9 of 9
Red 1011
Blueline
Scale As Shown

REVISION	DATE	DESCRIPTION	BY

CITY OF BUENA PARK
DEPT. OF PUBLIC WORKS-ENGINEERING DIV.
BUENA PARK, CALIFORNIA

U.S. ARMY ENGINEER DISTRICT
LOS ANGELES
CORPS OF ENGINEERS

DESIGNED BY: MRF
DRAWN BY: BCH
CHECKED BY: MRF
SUBMITTED BY:

LOS ANGELES COUNTY DRAINAGE AREA, CALIFORNIA

COYOTE CREEK CHANNELS

COYOTE CREEK CHANNEL UPSTREAM FROM NORTH FORK

PILE DETAILS

BRIDGE AT VALLEY VIEW ST. CROSSING

STATION 333-92.91

APPROVAL RECOMMENDED

APPROVED:

OCE CATEGORY:

SCALE: AS NOTED

SPEC NO

DATE:

DIST FILE NO

FILE

SHEET NO 9 of 9