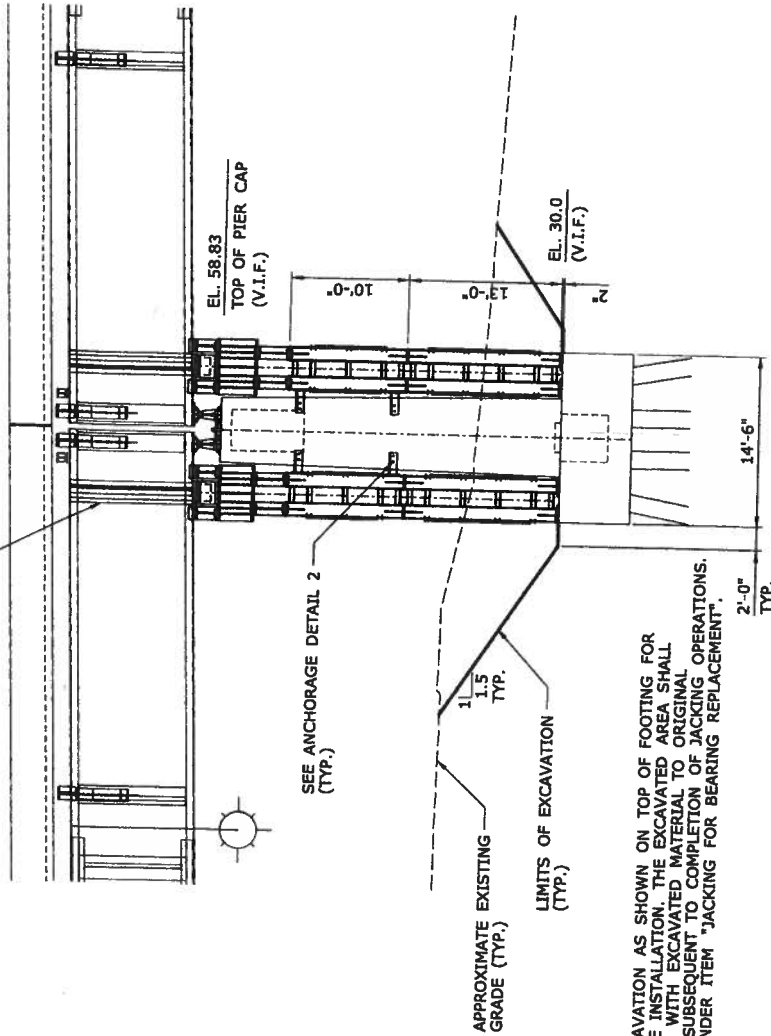


EXISTING JACKING  
STIFFENERS AT PIER NO. 1  
(TYP.)

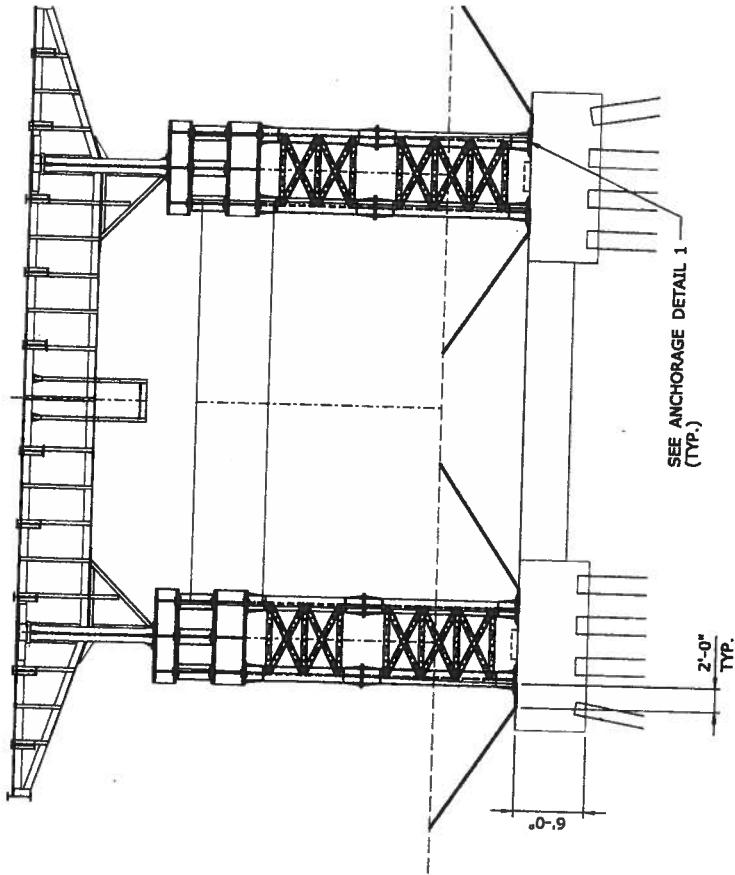


#### NOTE:

1. LIMITS OF EXCAVATION AS SHOWN ON TOP OF FOOTING FOR JACKING FRAME INSTALLATION. THE EXCAVATED AREA SHALL BE BACKFILLED WITH EXCAVATED MATERIAL TO ORIGINAL GROUND LINE SUBSEQUENT TO COMPLETION OF JACKING OPERATIONS. BE PAID UNDER ITEM "JACKING FOR BEARING REPLACEMENT".

PIER NO. 1 SHOWN, PIER NO. 13 SIMILAR EXCEPT PROPOSED JACKING STIFFENERS.

#### SIDE VIEW



#### ELEVATION

#### JACKING LOADS: (PIER NO.1 AND NO.13)

SERVICE DEAD LOADS	=505.2 KIPS PER BEAM
SERVICE P204 LIVE LOAD (INCLUDES IMPACT)	=604.5 KIPS PER BEAM
TOTAL SERVICE LOAD	=1110 KIPS PER BEAM
TOTAL SERVICE LOAD PLUS 150%	=1665 KIPS PER BEAM

#### NOTES:

1. JACKING FORCES ARE UNFACTORED SERVICE LOADS ASSUMING UNIFORM JACKING OF ALL BEAMS AT A SUBSTRUCTURE UNIT.
2. ACTUAL JACKING FORCES MAY BE LARGER THAN THE BEAM REACTIONS SHOWN.

