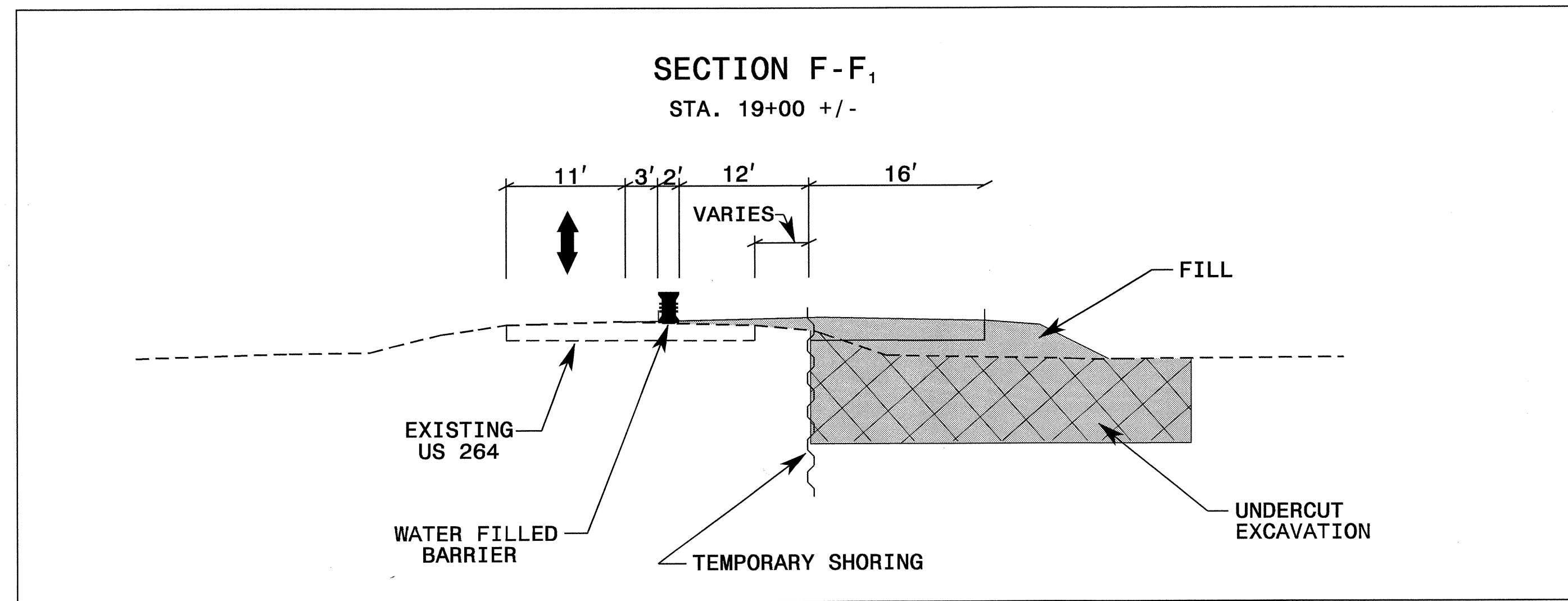
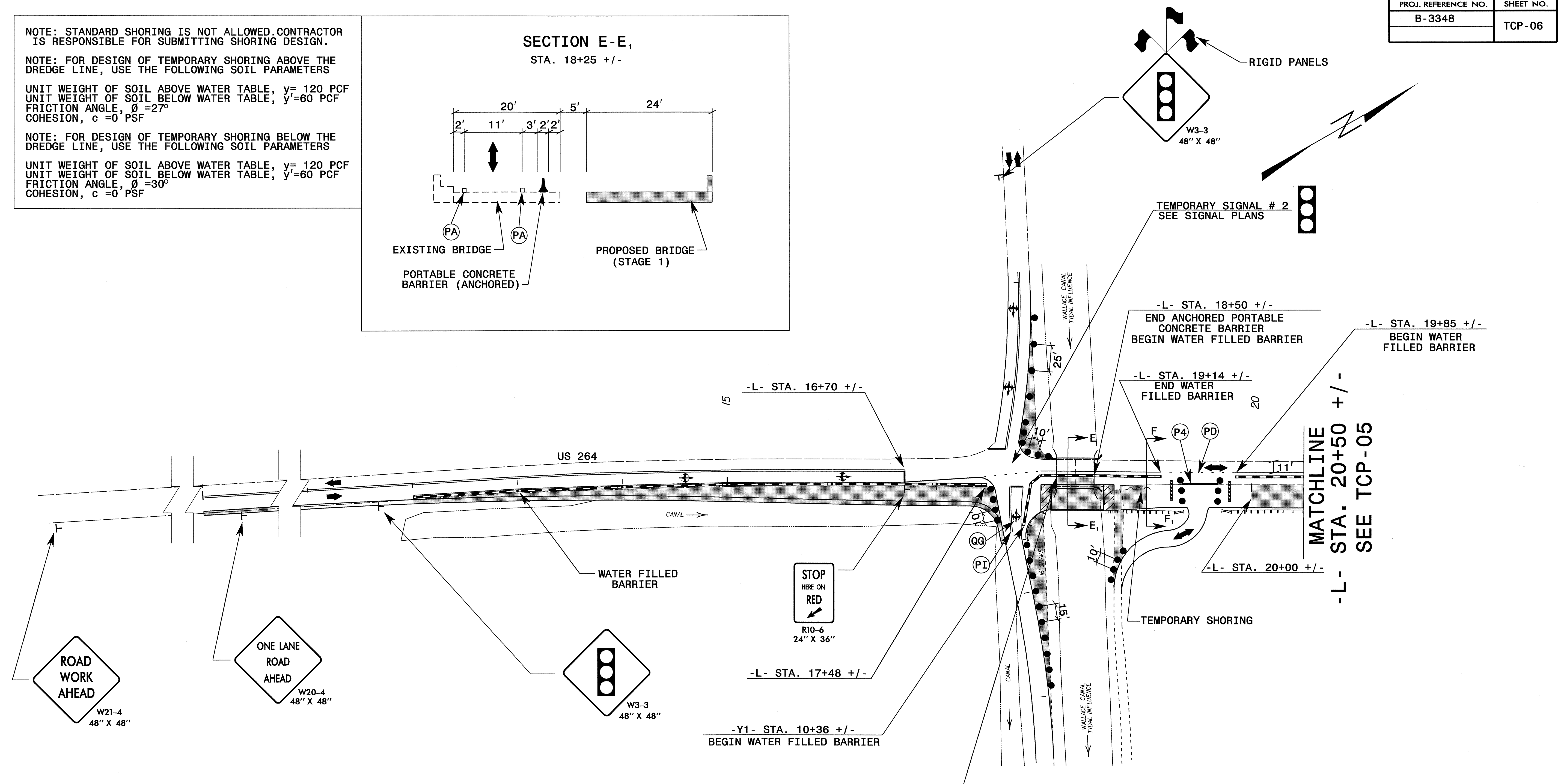
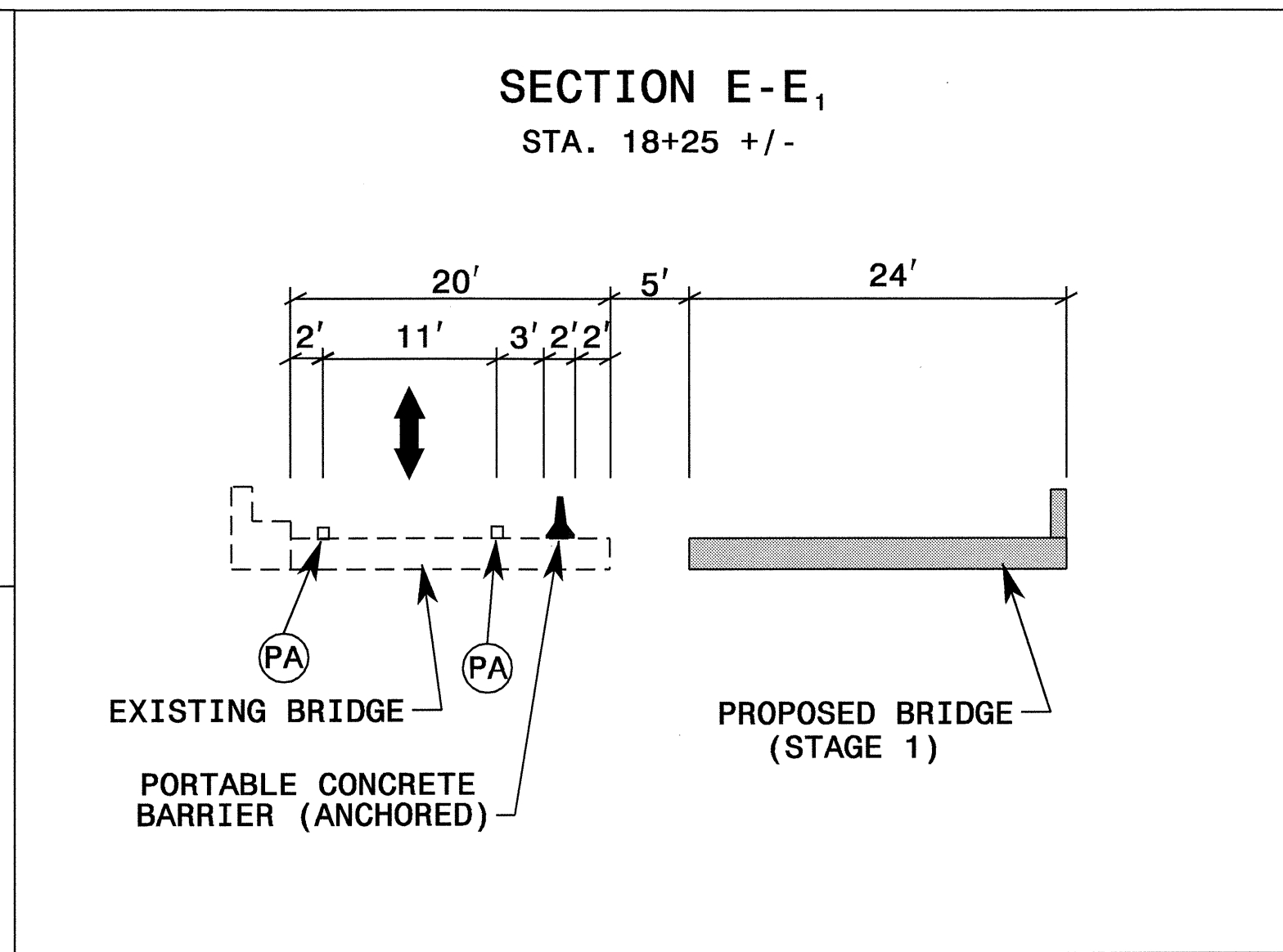


NOTE: STANDARD SHORING IS NOT ALLOWED. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING SHORING DESIGN.

NOTE: FOR DESIGN OF TEMPORARY SHORING ABOVE THE DREDGE LINE, USE THE FOLLOWING SOIL PARAMETERS  
 UNIT WEIGHT OF SOIL ABOVE WATER TABLE,  $\gamma = 120$  PCF  
 UNIT WEIGHT OF SOIL BELOW WATER TABLE,  $\gamma' = 60$  PCF  
 FRICTION ANGLE,  $\phi = 27^\circ$   
 COHESION,  $c = 0$  PSF

NOTE: FOR DESIGN OF TEMPORARY SHORING BELOW THE DREDGE LINE, USE THE FOLLOWING SOIL PARAMETERS  
 UNIT WEIGHT OF SOIL ABOVE WATER TABLE,  $\gamma = 120$  PCF  
 UNIT WEIGHT OF SOIL BELOW WATER TABLE,  $\gamma' = 60$  PCF  
 FRICTION ANGLE,  $\phi = 30^\circ$   
 COHESION,  $c = 0$  PSF



APPROVED: *John S. Kite, Jr.* DATE: 4/19/04

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 022104 JOHN S. KITE, JR.

**PHASE I**

SCALE: NONE	REVISIONS
DATE: 05/03	
DWG. BY: SJS	
DESIGN BY: SJS	
REVIEWED BY: CLM	

SEE TCP-03 FOR PAVEMENT MARKING SCHEDULE

19-APP-2004-11452  
 M:\TCP\B3348\TCP06.dgn  
 sjs/kes AT TETC0653