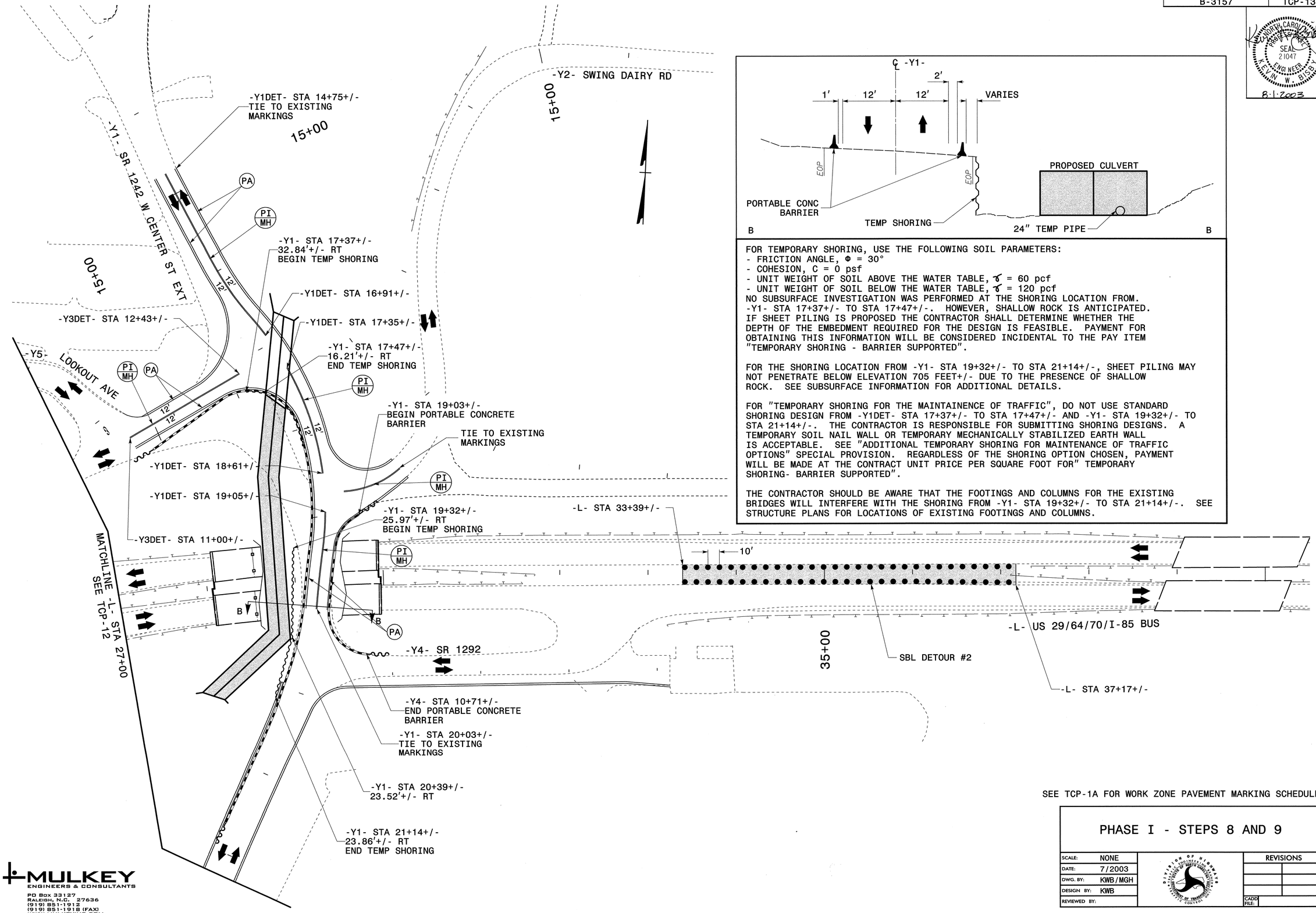
PROJECT REFERENCE NO.	SHEET NO.
B-3157	TCP-13



FOR TEMPORARY SHORING, USE THE FOLLOWING SOIL PARAMETERS:
- FRICTION ANGLE, Φ = 30°
- COHESION, C = 0 psf
- UNIT WEIGHT OF SOIL ABOVE THE WATER TABLE, γ = 60 pcf
- UNIT WEIGHT OF SOIL BELOW THE WATER TABLE, γ = 120 pcf

NO SUBSURFACE INVESTIGATION WAS PERFORMED AT THE SHORING LOCATION FROM. -Y1- STA 17+37+/- TO STA 17+47+/-. HOWEVER, SHALLOW ROCK IS ANTICIPATED. IF SHEET PILING IS PROPOSED THE CONTRACTOR SHALL DETERMINE WHETHER THE DEPTH OF THE EMBEDMENT REQUIRED FOR THE DESIGN IS FEASIBLE. PAYMENT FOR OBTAINING THIS INFORMATION WILL BE CONSIDERED INCIDENTAL TO THE PAY ITEM "TEMPORARY SHORING - BARRIER SUPPORTED".

FOR THE SHORING LOCATION FROM -Y1- STA 19+32+/- TO STA 21+14+/-, SHEET PILING MAY NOT PENETRATE BELOW ELEVATION 705 FEET+/- DUE TO THE PRESENCE OF SHALLOW ROCK. SEE SUBSURFACE INFORMATION FOR ADDITIONAL DETAILS.

FOR "TEMPORARY SHORING FOR THE MAINTAINENCE OF TRAFFIC", DO NOT USE STANDARD SHORING DESIGN FROM -Y1DET- STA 17+37+/- TO STA 17+47+/- AND -Y1- STA 19+32+/- TO STA 21+14+/-. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING SHORING DESIGNS. A TEMPORARY SOIL NAIL WALL OR TEMPORARY MECHANICALLY STABILIZED EARTH WALL IS ACCEPTABLE. SEE "ADDITIONAL TEMPORARY SHORING FOR MAINTENANCE OF TRAFFIC OPTIONS" SPECIAL PROVISION. REGARDLESS OF THE SHORING OPTION CHOSEN, PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR" TEMPORARY SHORING- BARRIER SUPPORTED".

THE CONTRACTOR SHOULD BE AWARE THAT THE FOOTINGS AND COLUMNS FOR THE EXISTING BRIDGES WILL INTERFERE WITH THE SHORING FROM -Y1- STA 19+32+/- TO STA 21+14+/-. SEE STRUCTURE PLANS FOR LOCATIONS OF EXISTING FOOTINGS AND COLUMNS.

SEE TCP-1A FOR WORK ZONE PAVEMENT MARKING SCHEDULE

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PHASE I - STEPS 8 AND 9

SCALE:	NONE		REVISIONS
DATE:	7/2003		
DWG. BY:	KWB/MGH		
DESIGN BY:	KWB		
REVIEWED BY:			CADD FILE:

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 21047 KEVIN W. BISBY
8-1-2003

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