



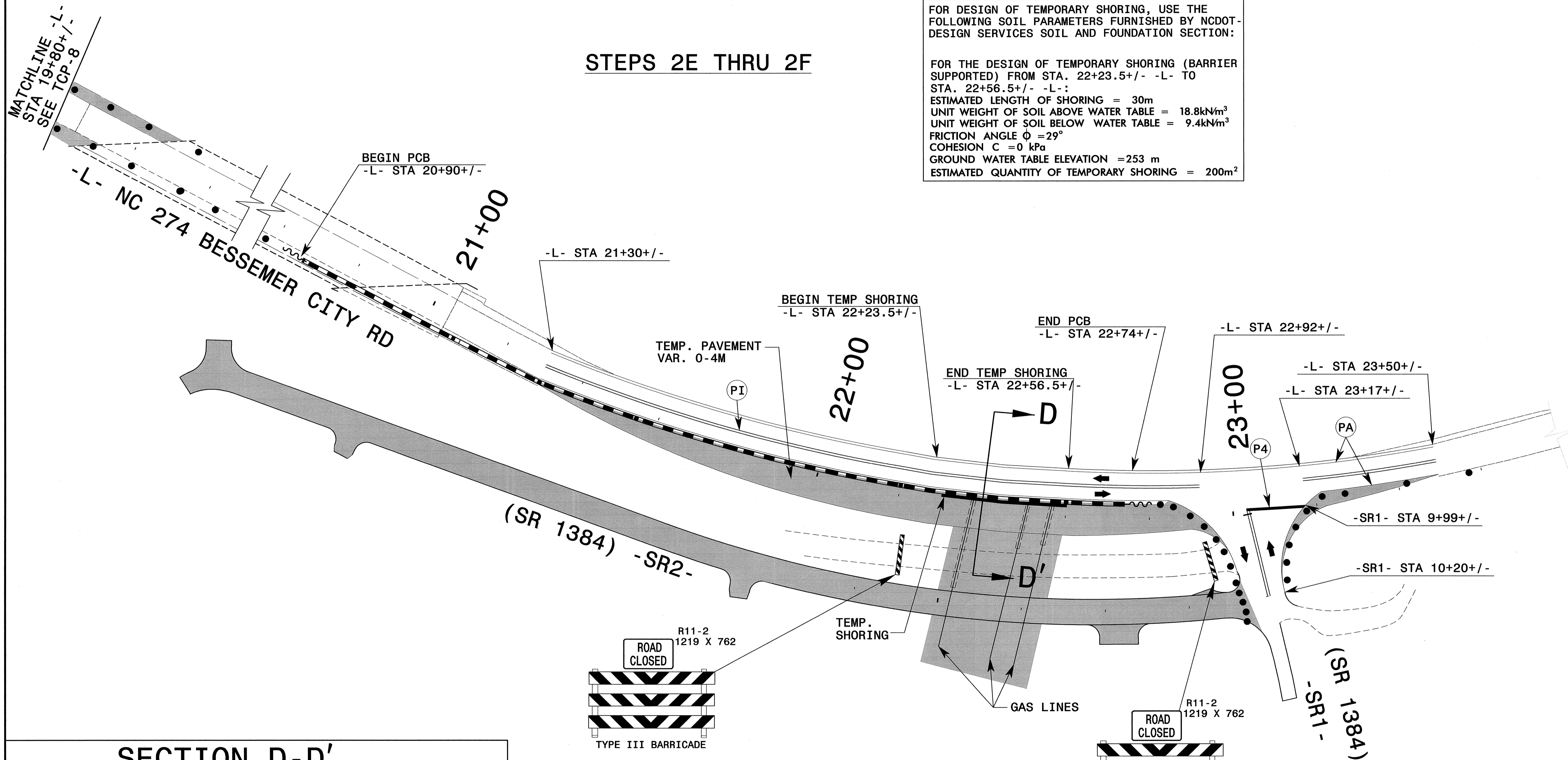
PROJ. REFERENCE NO. U-2408	SHEET NO. TCP-9B
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NOTE: THE STANDARD SHORING DESIGN CANNOT BE USED. THE CONTRACTOR IS RESPONSIBLE FOR SHORING DESIGN AT THIS LOCATION.

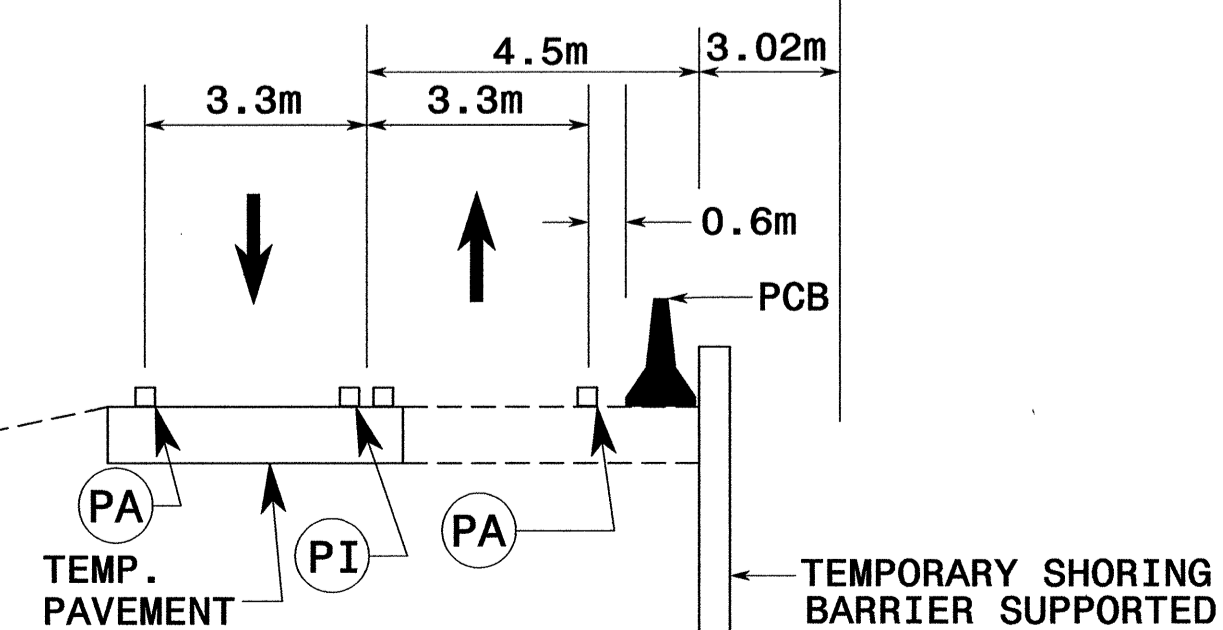
FOR DESIGN OF TEMPORARY SHORING, USE THE FOLLOWING SOIL PARAMETERS FURNISHED BY NCDOT-DESIGN SERVICES SOIL AND FOUNDATION SECTION:

FOR THE DESIGN OF TEMPORARY SHORING (BARRIER SUPPORTED) FROM STA. 22+23.5+/- -L- TO STA. 22+56.5+/- -L-:
 ESTIMATED LENGTH OF SHORING = 30m
 UNIT WEIGHT OF SOIL ABOVE WATER TABLE = 18.8kNm³
 UNIT WEIGHT OF SOIL BELOW WATER TABLE = 9.4kNm³
 FRICTION ANGLE $\phi = 29^\circ$
 COHESION C = 0 kPa
 GROUND WATER TABLE ELEVATION = 253 m
 ESTIMATED QUANTITY OF TEMPORARY SHORING = 200m²

STEPS 2E THRU 2F



SECTION D-D' STATION 22+40 -L- ②



 2300 Rexwoods Drive Suite 310 Raleigh, NC 27607 Tel: 919-789-9977 Fax: 789-9591	APPROVED: _____ DATE: 7-14-04	PHASE I (GAS LINE CONSTRUCTION)		SCALE: NONE DATE: 7-04 DWG. BY: CEK DESIGN BY: RCD REVIEWED BY: RLW	REVISIONS <table border="1"> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>				
SEAL 				CAD FILE					

SYSTEM: \$\$\$\$
 DDGDN
 USERNAME: \$\$\$\$