SHEAR STRENGTH ALONG SURFACE OF RUPTURE

WHERE 

\( \sigma' \) = EFFECTIVE NORMAL STRESS ACTING ACROSS SURFACE OF RUPTURE DUE TO WEIGHT OF OVERLYING SOIL

\( \tan \phi' \) = TANGENT OF SOIL'S EFFECTIVE INTERNAL FRICTION ANGLE

\( C \) = SOIL'S EFFECTIVE COHESION

FIGURE 18

SCHEMATIC OF SHEAR STRENGTH CALCULATION ALONG SURFACE OF RUPTURE