PART 4: TAW

Input Paramters:
    TWL- 9.0235 feet
    HS- 5.4882 feet
    PER- 9.7138 seconds
    TOE- x: 27 , z: 2.8452 feet
    TOP- x: 53 , z: 11.9795 feet
    GBERM-   0.9548
    GGROUGH- 0.6
    GBETA-   1
    GPERM-   1

RUNNING TAW:
...
MATLAB DIARY: /4_taw/logfiles/YK-06F-DIARY.txt

CHECKING VALIDITY:

...
TAW method is valid!
Using TAW runup to detemine runup elevation
TAW 2% runup: 18.2888 feet

PART 4 COMPLETE_____