_____
PART 4: TAW

Input Paramters:
    TWL- 9.0268 feet
    HS- 3.5425 feet
    PER- 6.337 seconds
    TOE- x: 10 , z: 2.774 feet
    TOP- x: 42 , z: 15.0282 feet
    GBERM-   0.98564
    GGROUGH- 0.75
    GBETA-   1
    GPERM-   1

RUNNING TAW:
...
MATLAB DIARY: /4_taw/logfiles/YK-05-DIARY.txt

CHECKING VALIDITY:
...
TAW method is valid!
Using TAW runup to detemine runup elevation
TAW 2% runup: 17.4336 feet

PART 4 COMPLETE_____