```
_____
PART 4: TAW

Input Paramters:
    TWL- 8.804 feet
    HS-  6.2267 feet
    PER- 10.2103 seconds
    TOE- x: -48 , z: -4.8444 feet
    TOP- x: 500 , z: 41.9542 feet
    GBERM-   0.7549
    GGROUGH- 1
    GBETA-   1
    GPERM-   1

RUNNING TAW:
...
MATLAB DIARY: /4_taw/logfiles/CM-139-DIARY.txt

CHECKING VALIDITY:

...
TAW method is valid!
Using TAW runup to detemine runup elevation
TAW 2% runup: 20.1483 feet

PART 4 COMPLETE_____
```