WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (WHAFIS VERSION 4.0G, 08_2007)

Executed on: Wed Feb 26 13:21:30 2020

Input file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Harpswell\Additional_Transects\3_whafis\whafis4\CM-144-1.dat
Output file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Harpswell\Additional_Transects\3_whafis\whafis4\CM-144-1.out
header

THIS IS A 100-YEAR CASE

THE FOLLOWING NON-DEFAULT WIND SPEEDS ARE BEING USED
WINDLE 56 14 WINDLE 56

| | | | THE FOLLO | | FAULT WIND WINDOF 56. | SPEEDS ARE | BEING USED 60.00 | | | |
|----------|--------------------|--------------------|-----------|----------------|-----------------------|------------|------------------|-----------------|-----------------|-------|
| | 0 000 | 15 740 | | | PART1 INE | PUT | | 56 140 | 0.060 | 0.000 |
| IE OF | 0.000 1.000 | -15.740 -15.671 | 1.000 | 1.000 8.804 | 8.804 0.000 | 11.111 | 10.000 | 56.140 0.000 | 0.069 0.069 | 0.000 |
| OF | 2.000 | -15.602 | 0.000 | 8.804 | 0.000 | 0.000 | 0.000 | 0.000 | 0.069 | 0.000 |
| OF | 3.000 | -15.533 | 0.000 | 8.804 | 0.000 | 0.000 | 0.000 | 0.000 | 0.069 | 0.000 |
| OF OF | 4.000 5.000 | -15.464 -15.395 | 0.000 | 8.804 8.804 | 0.000 | 0.000 | 0.000 | 0.000 | 0.069 0.069 | 0.000 |
| OF | 6.000 | -15.326 | 0.000 | 8.804 | 0.000 | 0.000 | 0.000 | 0.000 | 0.068 | 0.000 |
| OF | 7.000 | -15.258 | 0.000 | 8.804 | 0.000 | 0.000 | 0.000 | 0.000 | 0.068 | 0.000 |
| OF OF | 8.000 9.000 | -15.189 -15.120 | 0.000 | 8.804 8.804 | 0.000 | 0.000 | 0.000 | 0.000 | 0.069 0.109 | 0.000 |
| OF | 10.000 | -14.970 | 0.000 | 8.805 | 0.000 | 0.000 | 0.000 | 0.000 | 0.176 | 0.000 |
| OF | 11.000 | -14.767 | 0.000 | 8.806 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF OF | 12.000 13.000 | -14.564 -14.362 | 0.000 | 8.807 8.808 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 14.000 | -14.159 | 0.000 | 8.809 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 15.000 | -13.956 | 0.000 | 8.810 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF OF | 16.000 17.000 | -13.753 -13.550 | 0.000 | 8.811 8.812 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 18.000 | -13.348 | 0.000 | 8.813 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 19.000 | -13.144 | 0.000 | 8.814 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF OF | 20.000 21.000 | -12.942 -12.739 | 0.000 | 8.815 8.816 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 22.000 | -12.536 | 0.000 | 8.817 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 23.000 | -12.333 | 0.000 | 8.818 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF OF | 24.000 25.000 | -12.131 -11.928 | 0.000 | 8.818 8.819 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 26.000 | -11.725 | 0.000 | 8.821 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 27.000 | -11.522 | 0.000 | 8.821 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF OF | 28.000 29.000 | -11.319 -11.117 | 0.000 | 8.822 8.823 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 30.000 | -11.117 | 0.000 | 8.824 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 31.000 | -10.711 | 0.000 | 8.825 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF OF | 32.000 33.000 | -10.508 -10.305 | 0.000 | 8.826 8.827 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 34.000 | -10.303 | 0.000 | 8.828 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 35.000 | -9.900 | 0.000 | 8.829 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 36.000 | -9.697 | 0.000 | 8.830 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF OF | 37.000 38.000 | -9.495 -9.292 | 0.000 | 8.831 8.832 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 39.000 | -9.089 | 0.000 | 8.833 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF OF | 40.000 41.000 | -8.886 -8.683 | 0.000 | 8.834 8.835 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 42.000 | -8.481 | 0.000 | 8.836 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 43.000 | -8.277 | 0.000 | 8.837 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF OF | 44.000 45.000 | -8.075 -7.872 | 0.000 | 8.838 8.839 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 46.000 | -7.669 | 0.000 | 8.840 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 47.000 | -7.466 | 0.000 | 8.841 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF OF | 48.000 49.000 | -7.264 -7.061 | 0.000 | 8.842 8.842 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 50.000 | -6.858 | 0.000 | 8.844 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 51.000 | -6.655 | 0.000 | 8.844 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF OF | 52.000 53.000 | -6.452 -6.250 | 0.000 | 8.845 8.846 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 54.000 | -6.046 | 0.000 | 8.847 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 55.000 | -5.844 | 0.000 | 8.848 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF OF | 56.000 57.000 | -5.641 -5.438 | 0.000 | 8.849 8.850 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 58.000 | -5.235 | 0.000 | 8.851 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 59.000 | -5.032 | 0.000 | 8.852 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF OF | 60.000 61.000 | -4.830 -4.627 | 0.000 | 8.853 8.854 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 62.000 | -4.424 | 0.000 | 8.855 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 63.000 | -4.221 | 0.000 | 8.856 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF OF | 64.000 65.000 | -4.019 -3.816 | 0.000 | 8.857 8.858 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 66.000 | -3.613 | 0.000 | 8.859 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 67.000 | -3.410 | 0.000 | 8.860 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF OF | 68.000 69.000 | -3.207 -3.005 | 0.000 | 8.861 8.862 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 70.000 | -2.801 | 0.000 | 8.863 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 71.000 | -2.599 | 0.000 | 8.864 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF OF | 72.000 73.000 | -2.396 -2.193 | 0.000 | 8.865 8.866 | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 | 0.000 |
| OF | 74.000 | -1.990 | 0.000 | 8.866 | 0.000 | 0.000 | 0.000 | 0.000 | 0.206 | 0.000 |
| OF | 75.000 | -1.782 | 0.000 | 8.868 | 0.000 | 0.000 | 0.000 | 0.000 | 0.208 | 0.000 |
| OF OF | 76.000 77.000 | -1.574 -1.365 | 0.000 | 8.869 8.870 | 0.000 | 0.000 | 0.000 | 0.000 | 0.208 | 0.000 |
| OF | 78.000 | -1.157 | 0.000 | 8.872 | 0.000 | 0.000 | 0.000 | 0.000 | 0.208 | 0.000 |
| OF | 79.000 | -0.949 | 0.000 | 8.873 | 0.000 | 0.000 | 0.000 | 0.000 | 0.208 | 0.000 |
| OF OF | 80.000 81.000 | -0.740 -0.532 | 0.000 | 8.874 8.876 | 0.000 | 0.000 | 0.000 | 0.000 | 0.208 0.208 | 0.000 |
| OF | 82.000 | -0.332 | 0.000 | 8.877 | 0.000 | 0.000 | 0.000 | 0.000 | 0.208 | 0.000 |
| OF | 83.000 | -0.115 | 0.000 | 8.878 | 0.000 | 0.000 | 0.000 | 0.000 | -0.226 | 0.000 |
| OF OF | 91.900 95.100 | -2.560 -2.593 | 0.000 | 8.805 8.811 | 0.000 | 0.000 | 0.000 | 0.000 | -0.205 0.061 | 0.000 |
| OF | 98.400 | -2.162 | 0.000 | 8.810 | 0.000 | 0.000 | 0.000 | 0.000 | 0.131 | 0.000 |
| OF | 101.700 | -1.732 | 0.000 | 8.810 | 0.000 | 0.000 | 0.000 | 0.000 | 0.131 | 0.000 |
| OF OF | 105.000 108.300 | -1.301 -0.870 | 0.000 | 8.811 8.813 | 0.000 | 0.000 | 0.000 | 0.000 | 0.131 0.180 | 0.000 |
| OF | 111.500 | -0.131 | 0.000 | 8.812 | 0.000 | 0.000 | 0.000 | 0.000 | 0.281 | 0.000 |
| IF | 114.800 | 0.953 | 0.000 | 8.809 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 | 0.000 |
| IF | 118.100 | 2.038 | 0.000 | 8.812 | 0.000 | 0.000 | 0.000 | 0.000 | 0.329 | 0.000 |

| 1 | IF | 121.400 124.700 128.000 131.200 134.500 137.800 141.100 144.400 147.600 150.900 152.300 0.000 | 3.123 4.207 5.292 6.377 7.299 7.858 8.417 8.976 9.536 10.095 10.324 0.000 | 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 | 8.825 8.845 9.028 9.303 9.545 9.698 9.848 10.002 10.160 10.324 10.324 0.000 | 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 | 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 | 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 | 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 | 0.329 0.329 0.334 0.309 0.225 0.169 0.172 0.172 0.172 0.168 0.163 0.000 |
|----|-------------------------------------|--|--|---|--|---|--|--|---|--|
| 1 | END STATION | END ELEVATION | FETCH LENGTH | SURGE ELEV 10-YEAR | | INITIAL WAVE HEIGHT | INITIAL W. PERIOD | | BOTTOM SLOPE | AVERAGE A-ZONES |
| IE | 0.000 END | -15.740 END | 1.000 NEW SURGE | 1.000 NEW SURGE | 8.804 | 11.111 | 10.000 | 56.140 | 0.069 BOTTOM | 0.000 AVERAGE |
| OF | STATION 1.000 END | ELEVATION -15.671 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.804 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.069 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 2.000 END | ELEVATION -15.602 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.804 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.069 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 3.000 | ELEVATION -15.533 | 10-YEAR 0.000 | 100-YEAR 8.804 | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.069 | A-ZONES 0.000 |
| OF | END STATION 4.000 | END ELEVATION -15.464 | NEW SURGE 10-YEAR 0.000 | NEW SURGE 100-YEAR 8.804 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.069 | AVERAGE A-ZONES 0.000 |
| OF | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR 8.804 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE | AVERAGE A-ZONES |
| OF | 5.000 END STATION | -15.395 END ELEVATION | 0.000 NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | 0.000 | 0.000 | 0.000 | 0.000 | 0.069 BOTTOM SLOPE | 0.000 AVERAGE A-ZONES |
| OF | 6.000 END | -15.326 END | 0.000 NEW SURGE | 8.804 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | 0.068 BOTTOM | 0.000 AVERAGE |
| OF | STATION 7.000 END | ELEVATION -15.258 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.804 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.068 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 8.000 | ELEVATION -15.189 | 10-YEAR 0.000 | 100-YEAR 8.804 | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.069 | A-ZONES 0.000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | 0.000 | 0.000 | | | BOTTOM SLOPE | AVERAGE A-ZONES |
| OF | 9.000 END STATION | -15.120 END ELEVATION | 0.000 NEW SURGE 10-YEAR | 8.804 NEW SURGE 100-YEAR | 0.000 | 0.000 | 0.000 | 0.000 | 0.109 BOTTOM SLOPE | 0.000 AVERAGE A-ZONES |
| OF | 10.000 END | -14.970 END | 0.000 NEW SURGE | 8.805 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | 0.176 BOTTOM | 0.000 AVERAGE |
| OF | STATION 11.000 END | ELEVATION -14.767 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.806 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 12.000 | ELEVATION -14.564 | 10-YEAR 0.000 | 100-YEAR 8.807 | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 | A-ZONES 0.000 |
| OF | END STATION 13.000 | END ELEVATION -14.362 | NEW SURGE 10-YEAR 0.000 | NEW SURGE 100-YEAR 8.808 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| Or | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE | AVERAGE A-ZONES |
| OF | 14.000 END | -14.159 END | 0.000 NEW SURGE | 8.809 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 BOTTOM | 0.000 AVERAGE |
| OF | STATION 15.000 END | ELEVATION -13.956 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.810 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 16.000 | ELEVATION -13.753 | 10-YEAR 0.000 | 100-YEAR 8.811 | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 | A-ZONES 0.000 |
| OF | END STATION 17.000 | END ELEVATION -13.550 | NEW SURGE 10-YEAR 0.000 | NEW SURGE 100-YEAR 8.812 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| Or | END STATION | END ELEVATION | | NEW SURGE 100-YEAR | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE | AVERAGE A-ZONES |
| OF | 18.000 END | -13.348 END | 0.000 NEW SURGE | 8.813 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 BOTTOM | 0.000 AVERAGE |
| OF | STATION 19.000 END | ELEVATION -13.144 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.814 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 20.000 | ELEVATION -12.942 | 10-YEAR 0.000 | 100-YEAR 8.815 | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 | A-ZONES 0.000 |
| OF | END STATION 21.000 | END ELEVATION -12.739 | NEW SURGE 10-YEAR 0.000 | NEW SURGE 100-YEAR 8.816 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| Or | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE | AVERAGE A-ZONES |
| OF | 22.000 END | -12.536 END | 0.000 NEW SURGE | 8.817 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 BOTTOM | 0.000 AVERAGE |
| OF | STATION 23.000 END | ELEVATION -12.333 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.818 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 24.000 END | ELEVATION -12.131 | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.818 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 25.000 | END ELEVATION -11.928 | 10-YEAR 0.000 | 100-YEAR 8.819 | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 | A-ZONES 0.000 |
| OF | END STATION 26.000 | END ELEVATION -11.725 | NEW SURGE 10-YEAR 0.000 | NEW SURGE 100-YEAR | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES |
| Or | END STATION | -11.725 END ELEVATION | NEW SURGE 10-YEAR | 8.821 NEW SURGE 100-YEAR | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE | 0.000 AVERAGE A-ZONES |
| OF | 27.000 END | -11.522 END | 0.000 NEW SURGE | 8.821 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 BOTTOM | 0.000 AVERAGE |
| OF | STATION 28.000 END | ELEVATION -11.319 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.822 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| | STATION | ELEVATION | 10-YEAR | 100-YEAR | | | | | SLOPE | A-ZONES |

0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

| OF | 29.000 END STATION | -11.117 END | 0.000 NEW SURGE 10-YEAR | 8.823 NEW SURGE 100-YEAR | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 BOTTOM | 0.000 AVERAGE A-ZONES |
|----|--------------------------|-----------------------------|-------------------------------|--------------------------------|-------|-------|-------|-------|--------------------------|-----------------------------|
| OF | 30.000 END | ELEVATION -10.914 END | 0.000 NEW SURGE | 8.824 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | 0.000 AVERAGE |
| OF | STATION 31.000 END | ELEVATION -10.711 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.825 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 32.000 END | ELEVATION -10.508 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.826 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 33.000 END | ELEVATION -10.305 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.827 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 34.000 END | ELEVATION -10.103 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.828 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 35.000 END | ELEVATION -9.900 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.829 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 36.000 END | ELEVATION -9.697 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.830 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 37.000 END | ELEVATION -9.495 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.831 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 38.000 END | ELEVATION -9.292 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.832 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 39.000 END | ELEVATION -9.089 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.833 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 40.000 END | ELEVATION -8.886 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.834 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 41.000 | ELEVATION -8.683 | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.835 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 | A-ZONES 0.000 AVERAGE |
| OF | STATION 42.000 | END ELEVATION -8.481 | 10-YEAR 0.000 | 100-YEAR 8.836 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | A-ZONES 0.000 |
| OF | STATION 43.000 | END ELEVATION -8.277 | NEW SURGE 10-YEAR 0.000 | NEW SURGE 100-YEAR 8.837 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| OF | STATION 44.000 | END ELEVATION -8.075 | NEW SURGE 10-YEAR 0.000 | NEW SURGE 100-YEAR 8.838 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| OF | END STATION 45.000 | END ELEVATION -7.872 | NEW SURGE 10-YEAR 0.000 | NEW SURGE 100-YEAR 8.839 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| OF | END STATION 46.000 | END ELEVATION -7.669 | NEW SURGE 10-YEAR 0.000 | NEW SURGE 100-YEAR 8.840 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| OF | END STATION 47.000 | END ELEVATION -7.466 | NEW SURGE 10-YEAR 0.000 | NEW SURGE 100-YEAR 8.841 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| OF | END STATION 48.000 | END ELEVATION -7.264 | NEW SURGE 10-YEAR 0.000 | NEW SURGE 100-YEAR 8.842 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| OF | END STATION 49.000 | END ELEVATION -7.061 | NEW SURGE 10-YEAR 0.000 | NEW SURGE 100-YEAR 8.842 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| OF | END STATION 50.000 | END ELEVATION -6.858 | NEW SURGE 10-YEAR 0.000 | NEW SURGE 100-YEAR 8.844 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| OF | 51.000 | ELEVATION -6.655 | NEW SURGE 10-YEAR 0.000 | 100-YEAR 8.844 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| OF | END STATION 52.000 | ELEVATION -6.452 | NEW SURGE 10-YEAR 0.000 | 100-YEAR 8.845 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| OF | 53.000 | ELEVATION -6.250 | NEW SURGE 10-YEAR 0.000 | 100-YEAR 8.846 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| OF | 54.000 | ELEVATION -6.046 | NEW SURGE 10-YEAR 0.000 | 100-YEAR 8.847 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| OF | 55.000 | ELEVATION -5.844 | NEW SURGE 10-YEAR 0.000 | 100-YEAR 8.848 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| OF | 56.000 | ELEVATION -5.641 | NEW SURGE 10-YEAR 0.000 | 100-YEAR 8.849 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| OF | END STATION 57.000 | END ELEVATION -5.438 | NEW SURGE 10-YEAR 0.000 | NEW SURGE 100-YEAR 8.850 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| OF | END STATION 58.000 | ELEVATION -5.235 | NEW SURGE 10-YEAR 0.000 | 100-YEAR 8.851 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| OF | 59.000 | ELEVATION -5.032 | NEW SURGE 10-YEAR 0.000 | 100-YEAR 8.852 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| OF | 60.000 | ELEVATION -4.830 | NEW SURGE 10-YEAR 0.000 | 100-YEAR 8.853 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| OF | END STATION 61.000 | ELEVATION -4.627 | NEW SURGE 10-YEAR 0.000 | NEW SURGE 100-YEAR 8.854 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| OF | END STATION 62.000 | END ELEVATION -4.424 | NEW SURGE 10-YEAR 0.000 | NEW SURGE 100-YEAR 8.855 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.203 | AVERAGE A-ZONES 0.000 |
| | END | | NEW SURGE 10-YEAR | | | | | | BOTTOM SLOPE | AVERAGE A-ZONES |

| OF | 63.000 END STATION | -4.221 END | 0.000 NEW SURGE 10-YEAR | 8.856 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | 0.203 BOTTOM | 0.000 AVERAGE A-ZONES |
|----------|--------------------------------------|--------------------------------------|--|--|-------|-------|-------|-------|------------------------------------|--|
| OF | 64.000 END | ELEVATION -4.019 END | 0.000 NEW SURGE | 100-YEAR 8.857 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | 0.000 AVERAGE |
| OF | STATION 65.000 END | ELEVATION -3.816 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.858 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 66.000 END | ELEVATION -3.613 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.859 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 67.000 END | ELEVATION -3.410 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.860 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 68.000 END | ELEVATION -3.207 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.861 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 69.000 END | ELEVATION -3.005 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.862 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 70.000 END | ELEVATION -2.801 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.863 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 71.000 END | ELEVATION -2.599 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.864 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 72.000 END | ELEVATION -2.396 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.865 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 73.000 END | ELEVATION -2.193 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.866 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.203 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 74.000 END | ELEVATION -1.990 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.866 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.206 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 75.000 END | ELEVATION -1.782 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.868 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.208 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 76.000 END | ELEVATION -1.574 END | 10-YEAR 0.000 NEW SURGE | 100-YEAR 8.869 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.208 BOTTOM | A-ZONES 0.000 AVERAGE |
| OF | STATION 77.000 END STATION | ELEVATION -1.365 END ELEVATION | 10-YEAR 0.000 NEW SURGE 10-YEAR | 100-YEAR 8.870 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.208 BOTTOM | A-ZONES 0.000 AVERAGE A-ZONES |
| OF | 78.000 END STATION | -1.157 END ELEVATION | 0.000 NEW SURGE 10-YEAR | 100-YEAR 8.872 NEW SURGE 100-YEAR | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.208 BOTTOM SLOPE | 0.000 AVERAGE A-ZONES |
| OF | 79.000 END STATION | -0.949 END ELEVATION | 0.000 NEW SURGE 10-YEAR | 8.873 NEW SURGE 100-YEAR | 0.000 | 0.000 | 0.000 | 0.000 | 0.208 BOTTOM SLOPE | 0.000 AVERAGE A-ZONES |
| OF | 80.000 END STATION | -0.740 END ELEVATION | 0.000 NEW SURGE 10-YEAR | 8.874 NEW SURGE 100-YEAR | 0.000 | 0.000 | 0.000 | 0.000 | 0.208 BOTTOM SLOPE | 0.000 AVERAGE A-ZONES |
| OF | 81.000 END STATION | -0.532 END ELEVATION | 0.000 NEW SURGE 10-YEAR | 8.876 NEW SURGE 100-YEAR | 0.000 | 0.000 | 0.000 | 0.000 | 0.208 BOTTOM SLOPE | 0.000 AVERAGE A-ZONES |
| OF | 82.000 END STATION | -0.324 END ELEVATION | 0.000 NEW SURGE 10-YEAR | 8.877 NEW SURGE 100-YEAR | 0.000 | 0.000 | 0.000 | 0.000 | 0.208 BOTTOM SLOPE | 0.000 AVERAGE A-ZONES |
| OF | 83.000 END STATION | -0.115 END ELEVATION | 0.000 NEW SURGE 10-YEAR | 8.878 NEW SURGE 100-YEAR | 0.000 | 0.000 | 0.000 | 0.000 | -0.226 BOTTOM SLOPE | 0.000 AVERAGE A-ZONES |
| OF | 91.900 END STATION | ELEVATION | 0.000 NEW SURGE 10-YEAR | 100-YEAR | 0.000 | 0.000 | 0.000 | 0.000 | -0.205 BOTTOM SLOPE | 0.000 AVERAGE A-ZONES |
| OF | 95.100 END STATION | ELEVATION | 0.000 NEW SURGE 10-YEAR | 100-YEAR | 0.000 | 0.000 | 0.000 | 0.000 | 0.061 BOTTOM SLOPE | 0.000 AVERAGE A-ZONES |
| OF | 98.400 END STATION | -2.162 END ELEVATION -1.732 | 0.000 NEW SURGE 10-YEAR | 100-YEAR | 0.000 | 0.000 | 0.000 | 0.000 | 0.131 BOTTOM SLOPE | 0.000 AVERAGE A-ZONES |
| OF OF | 101.700 END STATION 105.000 | | 0.000 NEW SURGE 10-YEAR 0.000 | 8.810 NEW SURGE 100-YEAR 8.811 | 0.000 | 0.000 | 0.000 | 0.000 | 0.131 BOTTOM SLOPE 0.131 | 0.000 AVERAGE A-ZONES 0.000 |
| OF | END STATION 108.300 | END | NEW SURGE 10-YEAR 0.000 | NEW SURGE 100-YEAR 8.813 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.180 | AVERAGE A-ZONES 0.000 |
| OF | END STATION 111.500 | | NEW SURGE 10-YEAR 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.281 | AVERAGE A-ZONES 0.000 |
| IF | END | | NEW SURGE 10-YEAR 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.329 | AVERAGE A-ZONES 0.000 |
| IF | END STATION 118.100 | END ELEVATION 2.038 | NEW SURGE 10-YEAR 0.000 | NEW SURGE 100-YEAR 8.812 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.329 | AVERAGE A-ZONES 0.000 |
| IF | 121.400 | ELEVATION 3.123 | NEW SURGE 10-YEAR 0.000 | NEW SURGE 100-YEAR 8.825 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.329 | AVERAGE A-ZONES 0.000 |
| IF | END STATION 124.700 | END ELEVATION 4.207 | NEW SURGE 10-YEAR 0.000 | 100-YEAR 8.845 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.329 | AVERAGE A-ZONES 0.000 |
| IF | END STATION 128.000 | ELEVATION 5.292 | NEW SURGE 10-YEAR 0.000 | 100-YEAR 9.028 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.334 | AVERAGE A-ZONES 0.000 |
| IF | END STATION 131.200 | ELEVATION 6.377 | NEW SURGE 10-YEAR 0.000 NEW SURGE | 100-YEAR 9.303 | 0.000 | 0.000 | 0.000 | 0.000 | BOTTOM SLOPE 0.309 BOTTOM | AVERAGE A-ZONES 0.000 AVERAGE |
| | END STATION | ELEVATION | 10-YEAR | 100-YEAR | | | | | SLOPE | AVERAGE A-ZONES |

| | IF | 134.500 END | 7.299 END | 0.000 NEW SURGE | 9.545 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | 0.225 BOTTOM | 0.000 AVERAGE |
|---|---|--------------------|---------------------|----------------------|-----------------------|------------------------|--------------|-------|----------|-----------------|--------------------|
| | IF | STATION 137.800 | ELEVATION 7.858 | 10-YEAR 0.000 | 100-YEAR 9.698 | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.169 | A-ZONES 0.000 |
| | | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | BOTTOM SLOPE | AVERAGE A-ZONES |
| | IF | 141.100 END | 8.417 END | 0.000 NEW SURGE | 9.848 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | 0.169 BOTTOM | 0.000 AVERAGE |
| | IF | STATION 144.400 | ELEVATION 8.976 | 10-YEAR 0.000 | 100-YEAR 10.002 | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.172 | A-ZONES 0.000 |
| | | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | BOTTOM SLOPE | AVERAGE A-ZONES |
| | IF | 147.600 END | 9.536 END | 0.000 NEW SURGE | 10.160 NEW SURGE | 0.000 | 0.000 | 0.000 | 0.000 | 0.172 BOTTOM | 0.000 AVERAGE |
| | IF | STATION 150.900 | ELEVATION 10.095 | 10-YEAR 0.000 | 100-YEAR 10.324 | 0.000 | 0.000 | 0.000 | 0.000 | SLOPE 0.168 | A-ZONES 0.000 |
| | | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | BOTTOM SLOPE | AVERAGE A-ZONES |
| | IF | 152.300 | 10.324 | 0.000 | 10.324 | 0.000 -END OF TRANS | 0.000 ECT | | 0.000 | 0.163 | 0.000 |
| | NOTE: SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES. | | | | | | | | | | |
| 1 | | | | | _ | anno. common | | | CERT A F | | |

| | PART2: | CONTROLLING WAVE HEIGHTS, SPECTRAL PEAK WAVE PERIOD, AND WAVE CREST ELEVATIONS | | | | | |
|----------|----------------|--|---------------------------|-------------------------|--|--|--|
| LO | CATION | PEAK WAVE PERIC CONTROLLING WAVE HEIGHT | SPECTRAL PEAK WAVE PERIOD | WAVE CREST ELEVATION | | | |
| IE | 0.00 | 11.11 | 10.00 | 16.58 | | | |
| OF | 1.00 | 11.12 | 10.00 | 16.59 | | | |
| OF | 2.00 | 11.13 | 10.00 | 16.59 | | | |
| OF | 3.00 | 11.14 | 10.00 | 16.60 | | | |
| OF | 4.00 | 11.15 | 10.00 | 16.61 | | | |
| OF OF | 5.00 6.00 | 11.15 11.16 | 10.00 10.00 | 16.61 16.62 | | | |
| OF | 7.00 | 11.17 | 10.00 | 16.62 | | | |
| OF | 8.00 | 11.18 | 10.00 | 16.63 | | | |
| OF | 9.00 | 11.19 | 10.00 | 16.64 | | | |
| OF | 10.00 | 11.21 | 10.00 | 16.65 | | | |
| OF OF | 11.00 12.00 | 11.24 11.26 | 10.00 10.00 | 16.67 16.69 | | | |
| OF | 13.00 | 11.29 | 10.00 | 16.71 | | | |
| OF | 14.00 | 11.32 | 10.00 | 16.73 | | | |
| OF | 15.00 | 11.35 | 10.00 | 16.75 | | | |
| OF | 16.00 17.00 | 11.38 11.41 | 10.00 10.00 | 16.77 16.80 | | | |
| OF OF | 18.00 | 11.41 | 10.00 | 16.82 | | | |
| OF | 19.00 | 11.47 | 10.00 | 16.84 | | | |
| OF | 20.00 | 11.50 | 10.00 | 16.86 | | | |
| OF | 21.00 | 11.53 | 10.00 | 16.89 | | | |
| OF OF | 22.00 23.00 | 11.56 11.59 | 10.00 10.00 | 16.91 16.93 | | | |
| OF | 24.00 | 11.62 | 10.00 | 16.96 | | | |
| OF | 25.00 | 11.66 | 10.00 | 16.98 | | | |
| OF | 26.00 | 11.69 | 10.00 | 17.01 | | | |
| OF | 27.00 28.00 | 11.73 11.76 | 10.00 10.00 | 17.03 17.05 | | | |
| OF OF | 29.00 | 11.70 | 10.00 | 17.03 | | | |
| OF | 30.00 | 11.81 | 10.00 | 17.09 | | | |
| OF | 31.00 | 11.79 | 10.00 | 17.08 | | | |
| OF | 32.00 | 11.76 | 10.00 | 17.06 17.04 | | | |
| OF OF | 33.00 34.00 | 11.74 11.71 | 10.00 10.00 | 17.04 | | | |
| OF | 35.00 | 11.68 | 10.00 | 17.01 | | | |
| OF | 36.00 | 11.66 | 10.00 | 16.99 | | | |
| OF | 37.00 | 11.63 | 10.00 | 16.97 | | | |
| OF OF | 38.00 39.00 | 11.60 11.57 | 10.00 10.00 | 16.95 16.93 | | | |
| OF | 40.00 | 11.54 | 10.00 | 16.91 | | | |
| OF | 41.00 | 11.51 | 10.00 | 16.89 | | | |
| OF | 42.00 | 11.48 | 10.00 | 16.87 | | | |
| OF | 43.00 44.00 | 11.44 11.41 | 10.00 10.00 | 16.85 16.83 | | | |
| OF OF | 45.00 | 11.38 | 10.00 | 16.80 | | | |
| OF | 46.00 | 11.35 | 10.00 | 16.78 | | | |
| OF | 47.00 | 11.31 | 10.00 | 16.76 | | | |
| OF | 48.00 | 11.28 | 10.00 10.00 | 16.74 16.71 | | | |
| OF OF | 49.00 50.00 | 11.24 11.20 | 10.00 | 16.69 | | | |
| OF | 51.00 | 11.17 | 10.00 | 16.66 | | | |
| OF | 52.00 | 11.13 | 10.00 | 16.63 | | | |
| OF | 53.00 54.00 | 11.16 11.11 | 10.00 10.00 | 16.66 16.62 | | | |
| OF OF | 55.00 | 10.96 | 10.00 | 16.52 | | | |
| OF | 56.00 | 10.82 | 10.00 | 16.42 | | | |
| OF | 57.00 | 10.67 | 10.00 | 16.32 | | | |
| OF | 58.00 59.00 | 10.53 | 10.00 | 16.22 16.12 | | | |
| OF OF | 60.00 | 10.38 10.24 | 10.00 10.00 | 16.02 | | | |
| OF | 61.00 | 10.09 | 10.00 | 15.92 | | | |
| OF | 62.00 | 9.95 | 10.00 | 15.82 | | | |
| OF | 63.00 | 9.80 | 10.00 | 15.72 | | | |
| OF OF | 64.00 65.00 | 9.66 9.51 | 10.00 10.00 | 15.62 15.52 | | | |
| OF | 66.00 | 9.37 | 10.00 | 15.42 | | | |
| OF | 67.00 | 9.22 | 10.00 | 15.32 | | | |
| OF | 68.00 | 9.08 | 10.00 | 15.21 | | | |
| OF OF | 69.00 70.00 | 8.93 8.78 | 10.00 10.00 | 15.11 15.01 | | | |
| OF | 71.00 | 8.64 | 10.00 | 14.91 | | | |
| OF | 72.00 | 8.49 | 10.00 | 14.81 | | | |
| OF | 73.00 | 8.34 | 10.00 | 14.71 | | | |
| OF | 74.00 | 8.19 | 10.00 | 14.60 | | | |
| | | | | | | | |

| | 75.00 76.00 77.00 78.00 77.00 80.00 81.00 82.00 83.00 91.90 95.10 98.40 101.70 101.50 114.80 114.80 114.40 124.40 124.70 134.50 134.50 137.80 141.10 144.40 147.60 150.90 152.30 0CATION S ABOVE | | 10.00 | |
|---|--|--|---|--|
| 10.00 11.00 12.00 13.00 14.00 15.00 16.00 | | 1.00 1.00 1.00 1.00 1.00 1.00 | | 8.81 8.81 8.81 8.81 8.81 8.81 |
| 17.00 18.00 19.00 20.00 21.00 22.00 23.00 25.00 26.00 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | | 8.81 8.81 8.81 8.81 8.82 8.82 8.82 8.82 |
| 28.00 29.00 30.00 31.00 32.00 33.00 34.00 35.00 36.00 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | | 8.82 8.82 8.82 8.83 8.83 8.83 8.83 8.83 |
| 37.00 38.00 39.00 40.00 41.00 42.00 43.00 44.00 45.00 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | | 8.83 8.83 8.83 8.83 8.84 8.84 8.84 8.84 |
| 46.00 47.00 48.00 50.00 52.00 53.00 54.00 55.00 56.00 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | | 8.84 8.84 8.84 8.85 8.85 8.85 8.85 8.85 |
| 57.00 58.00 59.00 60.00 61.00 62.00 63.00 64.00 65.00 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | | 8.85 8.85 8.85 8.85 8.85 8.86 8.86 8.86 |
| 66.00 67.00 68.00 69.00 70.00 71.00 72.00 73.00 75.00 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | | 8.86 8.86 8.86 8.86 8.86 8.86 8.86 8.87 |
| 76.00 77.00 78.00 79.00 80.00 81.00 82.00 83.00 | | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | | 8.87 8.87 8.87 8.87 8.87 8.88 8.88 |

| 91.90 95.10 98.40 105.00 108.30 111.50 114.80 118.10 121.40 124.70 | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | | 8.81 8.81 8.81 8.81 8.81 8.81 8.82 8.83 | |
|---|--|----------|--|-----|
| 128.00 131.20 | 1.00 1.00 | | 9.03 9.30 | |
| 134.50 137.80 | 1.00 1.00 | | 9.55 9.70 | |
| 141.10 144.40 | 1.00 | | 9.85 10.00 | |
| 147.60 150.90 | 1.00 1.00 | OF 11 70 | 10.16 10.32 | |
| STATION OF | | LOCATION | ON OF ZONE | |
| | 27.43 5 NUMBERED A ZON CR ELEVATION Z | ES AND ' | DWARD V ZONES IGNATION | FHF |
| 0.00 | 16.58 | V22 | EL=17 | 120 |
| 9.00 | 16.64 | V22 | EL=17 | 120 |
| 10.00 | 16.65 | V22 | EL=17 | 120 |
| 11.00 | 16.67 | V22 | EL=17 | 120 |
| 12.00 | 16.69 | V22 | EL=17 | 120 |
| 13.00 | 16.71 | V22 | EL=17 | 120 |
| 14.00 | 16.73 | V22 | EL=17 | 120 |
| 15.00 | 16.75 | V22 | EL=17 | 120 |
| 16.00 | 16.77 | V22 | EL=17 | 120 |
| 17.00 | 16.80 | V22 | EL=17 | 120 |
| 18.00 | 16.82 | V22 | EL=17 | 120 |
| 19.00 | 16.84 | V22 | EL=17 | 120 |
| 20.00 | 16.86 | V22 | EL=17 | 120 |
| 21.00 | 16.89 | V22 | EL=17 | 120 |
| 22.00 | 16.91 | V22 | EL=17 | 120 |
| 23.00 | 16.93 | V22 | EL=17 | 120 |
| 24.00 | 16.96 | V22 | EL=17 | 120 |
| 25.00 | 16.98 | V22 | EL=17 | 120 |
| 26.00 | 17.01 | V22 | EL=17 | 120 |
| 27.00 | 17.03 | V22 | EL=17 | 120 |
| 28.00 | 17.05 | V22 | EL=17 | 120 |
| 29.00 30.00 | 17.08 17.09 | V22 | EL=17 | 120 |
| 31.00 | 17.09 | V22 | EL=17 | 120 |
| 32.00 | 17.06 | V22 | EL=17 | 120 |
| 33.00 | 17.04 | V22 | EL=17 | 120 |
| 34.00 | 17.03 | V22 | EL=17 | 120 |
| 35.00 | 17.01 | V22 | EL=17 | 120 |
| 36.00 | 16.99 | V22 | EL=17 | 120 |
| 37.00 | 16.97 | V22 | EL=17 | 120 |
| 38.00 | 16.95 | V22 | EL=17 | 120 |
| 39.00 | 16.93 | V22 | EL=17 | 120 |
| 40.00 | 16.91 | V22 | EL=17 | 120 |
| 41.00 | 16.89 | V22 | EL=17 | 120 |
| 42.00 | 16.87 | V22 | EL=17 | 120 |
| 43.00 | 16.85 | V22 | EL=17 | 120 |
| 44.00 | 16.83 | V22 | EL=17 | 120 |
| 45.00 | 16.80 | V22 | EL=17 | 120 |
| 46.00 | 16.78 | V22 | EL=17 | 120 |
| 47.00 | 16.76 | V22 | EL=17 | 120 |
| | | | | |

| 48.00 | 16.74 | | EL=17 | 120 |
|--------|-------|-----|-------|-----|
| 49.00 | 16.71 | | EL=17 | |
| 50.00 | 16.69 | | EL=17 | |
| 51.00 | 16.66 | V22 | | 120 |
| 52.00 | 16.63 | | EL=17 | |
| 53.00 | 16.66 | V22 | EL=17 | 120 |
| 54.00 | 16.62 | V22 | EL=17 | 120 |
| 55.00 | 16.52 | V22 | EL=17 | 120 |
| 55.21 | 16.50 | V22 | EL=17 | 120 |
| 56.00 | 16.42 | V22 | EL=16 | 120 |
| 57.00 | 16.32 | V22 | EL=16 | 120 |
| 58.00 | 16.22 | V22 | EL=16 | 120 |
| 59.00 | 16.12 | V22 | EL=16 | 120 |
| 60.00 | 16.02 | V22 | EL=16 | 120 |
| 61.00 | 15.92 | V22 | EL=16 | 120 |
| 62.00 | 15.82 | V22 | EL=16 | 120 |
| 63.00 | 15.72 | V22 | EL=16 | 120 |
| 64.00 | 15.62 | V22 | EL=16 | 120 |
| 65.00 | 15.52 | V22 | EL=16 | 120 |
| | | V22 | EL=16 | 120 |
| 65.17 | 15.50 | V22 | EL=15 | 120 |
| 66.00 | 15.42 | V22 | EL=15 | 120 |
| 67.00 | 15.32 | V22 | EL=15 | 120 |
| 68.00 | 15.21 | V22 | EL=15 | 120 |
| 69.00 | 15.11 | V22 | EL=15 | 120 |
| 70.00 | 15.01 | V22 | EL=15 | 120 |
| 71.00 | 14.91 | V22 | EL=15 | 120 |
| 72.00 | 14.81 | V22 | EL=15 | 120 |
| 73.00 | 14.71 | V22 | EL=15 | 120 |
| 74.00 | 14.60 | V22 | EL=15 | 120 |
| 74.98 | 14.50 | V22 | EL=14 | 120 |
| 75.00 | 14.50 | V22 | EL=14 | 120 |
| 76.00 | 14.39 | V22 | EL=14 | 120 |
| 77.00 | 14.29 | V22 | EL=14 | 120 |
| 78.00 | 14.18 | V22 | EL=14 | 120 |
| 79.00 | 14.08 | V22 | EL=14 | 120 |
| 80.00 | 13.97 | V22 | EL=14 | 120 |
| 81.00 | 13.87 | V22 | EL=14 | 120 |
| 82.00 | 13.76 | V22 | EL=14 | 120 |
| 83.00 | 13.66 | V22 | EL=14 | 120 |
| 91.90 | 13.87 | V22 | EL=14 | 120 |
| 95.10 | 13.88 | V22 | EL=14 | 120 |
| 98.40 | 13.84 | V22 | EL=14 | 120 |
| 101.70 | 13.79 | V22 | EL=14 | 120 |
| 105.00 | 13.74 | V22 | EL=14 | 120 |
| 108.30 | 13.69 | V22 | EL=14 | 120 |
| 111.50 | 13.56 | V22 | EL=14 | 120 |
| 111.87 | 13.50 | | EL=13 | |
| 114.80 | 13.00 | V22 | EL=13 | |
| 117.72 | 12.50 | | EL=12 | |
| 118.10 | 12.44 | V22 | | |
| 121.40 | 11.88 | | | |

| | | V22 | EL=12 | 120 |
|--------|-------|------|-------|------|
| 123.74 | 11.50 | **** | 11 | 1.00 |
| 124.70 | 11.34 | V22 | EL=11 | 120 |
| 127.43 | 11.04 | V22 | EL=11 | 120 |
| | | A19 | EL=11 | 95 |
| 128.00 | 11.04 | A19 | EL=11 | 95 |
| 131.20 | 10.89 | | | |
| 134.50 | 10.76 | A19 | EL=11 | 95 |
| | | A19 | EL=11 | 95 |
| 137.80 | 10.70 | A19 | EL=11 | 95 |
| 141.10 | 10.63 | 7.10 | mr 11 | ٥٦ |
| 144.40 | 10.56 | A19 | EL=11 | 95 |
| 147.60 | 10.50 | A19 | EL=11 | 95 |
| | | A19 | EL=11 | 95 |
| 147.60 | 10.50 | A19 | EL=10 | 95 |
| 150.90 | 10.45 | | | |
| 152.30 | 10.33 | A19 | EL=10 | 95 |
| | | | | |

152.30 10.33

ZONE TERMINATED AT END OF TRANSECT
PART 7 POSTSCRIPT NOTES
PS# 1 START(422364.6654,4845890.3094)
PS# 2 END(422315.9586,4845909.2882)

-1.000000e+00