TYPICAL BREAKWATER A - PLAN VIEW

1. ALL ELEVATIONS ARE IN REFERENCE TO NAVD 88 (FT).
2. SILLS WILL BE CONSTRUCTED IN ALL BREAKWATER GAPS FOR BREAKWATERS "A" AND "B".
3. SILL SHALL BE PLACED SUCH THAT SILL IS FLUSH WITH ADJACENT BREAKWATERS AND EXTENDS FROM INLAND CORNER OF BREAKWATER TO INLAND CORNER OF NEXT BREAKWATER.
4. IN LOCATIONS WHERE THERE IS NOT AN ADJACENT BREAKWATER, NO SILL SHALL BE PLACED.
5. SILL TO BE CONSTRUCTED AFTER THE ADJACENT BREAKWATER IS CONSTRUCTED.
6. SLOPE FROM LOW CREST ELEVATION TO HIGH CREST ELEVATION ON FINAL BREAKWATER A SHALL BE GRADUAL. SLOPES IS NOT TO EXCEED 1:1.
7. SEE BREAKWATER COORDINATE TABLES FOR HIGH CREST AND LOW CREST ELEVATIONS.

TYPICAL SECTION A-A - BREAKWATER A

GENERAL NOTES:

TYPICAL SECTION B-B - FINAL BREAKWATER A

N.T.S
TYPICAL BREAKWATER B - PLAN VIEW

BREAKWATER CREST ELEVATION = +7.5 (MIN)

BREAKWATER CREST ELEVATION = +7.5 (MAX)

GENERAL NOTES:

1. ALL ELEVATIONS ARE IN REFERENCE TO NAVD88 (FT).
2. TEMPORARY BREAKWATER CONSTRUCTION ACCESS ROAD WILL BE USED TO MOVE RIPRAP ARMOR STONE AND WILL BE RESHAPED TO FINAL SECTION UPON PROJECT COMPLETION.
3. SILLS WILL BE CONSTRUCTED IN ALL BREAKWATER GAPS FOR BREAKWATER "W" AND "T-1".
4. SILL SHALL BE PLACED SUCH THAT SILL IS FLUSH WITH ADJACENT BREAKWATERS AND EXTEND FROM BAND CORNER OF BREAKWATER TO INLAND CORNER OF NEXT BREAKWATER.
5. IN LOCATIONS WHERE THERE IS NOT AN ADJACENT BREAKWATER, NO SILL SHALL BE PLACED.
6. SILL TO BE CONSTRUCTED AFTER ADJACENT BREAKWATER IS CONSTRUCTED
7. SLOPE FROM LOW CREST ELEVATION TO HIGH CREST ELEVATION ON FINAL BREAKWATER B SHALL BE GRADUAL, SLOPE IS NOT TO EXCEED 1:5.
8. SEE BREAKWATER COORDINATE TABLES FOR HIGH CREST AND LOW CREST ELEVATIONS.
GENERAL NOTES:
1. ALL ELEVATIONS ARE IN REFERENCE TO NAVD 88 (FT).
2. IN LOCATIONS WHERE THERE IS NOT AN ADJACENT BREAKWATER, NO SILL SHALL BE PLACED.
NOTES:
1) ELEVATIONS WERE RECORDED BY NAISMITH MARINE SERVICES
   ON MAY 26, 2016. SEA FLOOR & TOPOGRAPHIC CONDITIONS ARE SUBJECT TO CHANGE.
2) HORIZONTAL DATUM: NAV83, TEXAS SOUTH CENTRAL ZONE, US FEET.
3) VERTICAL DATUM: NAV88
   REFERENCE MONUMENTS: "1488 C 2012" "S100O 108800""N: 13,680,977.18'  E: 3,076,844.41'  ELEV: 11.83' NAV88 NAV88
   "1488 C 2012" N: 13,691,249.77'  E: 3,075,882.92'  ELEV: 7.35' NAV88 NAV88

CONTR: APOLLO ENVIRONMENTAL STRATEGIES, INC.
NOTES:
1) ELEVATIONS WERE RECORDED BY NAISMITH MARINE SERVICES
ON JUNE 18 & 23, 2018. SEA FLOOR & TOPOGRAPHIC CONDITIONS ARE SUBJECT TO CHANGE.
2) HORIZONTAL DATUM: NAVD88, TEXAS SOUTH CENTRAL ZONE, US FEET.
3) VERTICAL DATUM: NAVD88

REFERENCE MONUMENTS "1488 C 2012" "3200 108800"
N: 13,660,977.18'     N:13,681,249.77'
E: 3,276,184.41'     E: 3,273,883.32'
ELEV: 11.93' NAVD88  ELEV: 7.35' NAVD88

CEPRA #1596
TGLO Contract #16-233-000-9717

CONTR: APOLLO ENVIRONMENTAL STRATEGIES, INC.
NOTES:
1) ELEVATIONS WERE RECORDED BY NASMITH MARINE SERVICES
ON JULY 6, 2016. SEA FLOOR & TOPOGRAPHIC CONDITIONS ARE SUBJECT TO CHANGE.
2) HORIZONTAL DATUM: NA1983, TEXAS SOUTH CENTRAL ZONE, US FEET.
3) VERTICAL DATUM: NAVD88
REFERENCE MONUMENTS: "1488 C 2012" "S1200 LOSBBD"
N: 13,660,977.18' N13,691,249.77'
E: 3,279,184.41' E: 3,213,883.32'
ELEV: 11.83' NAVD88 ELEV: 7.35' NAVD88
CEPA #1596
TGLO Contract #16-233-000-9717