NOTE:
1. APPROXIMATE AMOUNT OF BEACH FILL = 89,700 CY BETWEEN NOV-DEC 08 SURVEY & ACOE TEMPLATE.
2. DATE OF AERIAL: 2007
3. ALL FILL IS TO TAKE PLACE WEST OF THE DUNE \ EROSION CONTROL LINE.
4. NO EXISTING DUNE VEGETATION WILL BE BURIED

COORDINATES

<table>
<thead>
<tr>
<th>MONUMENT</th>
<th>EASTING</th>
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MIAMI-DADE COUNTY DERM WATER MANAGEMENT DIVISION

701 NW 1st Court, 5th Floor. Miami, FL. 33136

JUAN A. CURIEL
State of Florida Professional Engineer
License No. 63890

BAL HARBOUR AND SURFSIDE LOCATION MAP

PROPOSED RENOURISHMENT AREA

JOB: R30 to R32
DATE: 07-28-09
BY: J.C. / M.P.
SHEET: 1/5
CONSTRUCTION TEMPLATE

USACE DESIGN TEMPLATE

NOV-DEC 2008 SURVEY PROFILE

ELEVATIONS ARE IN FEET (NAVD 1988)

DISTANCES ARE IN FEET FROM R-MONUMENT R-32

From R31 to R32
Volume: 30,699 CY

NOT TO SCALE

PROPOSED FILL AREA

MIAMI-DADE COUNTY DERM WATER MANAGEMENT DIVISION
701 NW 1st Court, 5th Floor. Miami, FL 33136

JUAN A. CURIEL State of Florida Professional Engineer License No. 63890

BAL HARBOUR AND SURFSIDE TRANSECTS R-32

JOB: R-30 to R-32 DATE: 07-28-09
BY: J.C. / M.P. SHEET: 4/5
BAL HARBOUR AND SURFSIDE
GENERAL NOTES

1. PERMIT SET-REVIEW CONSTRUCTION PLANS AND SPECIFICATIONS PRIOR TO COMMENCING CONSTRUCTION ACTIVITY.

2. TOPOGRAPHIC AND BATHYMETRIC SURVEY DATA WAS OBTAINED BY SEA DIVERSIFIED INC. (SDI) DURING FIELD WORK PERFORMED NOVEMBER-DECEMBER 2008.

3. THE PLANE COORDINATES AND BEARINGS SHOWN HEREON ARE IN FEET AND ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE (0901), TRANSVERSE MERCATOR PROJECTION, NORTH AMERICAN DATUM, 1983, ADJUSTED 1990 (NAD83-90) AND ALL CONTOURS AND ELEVATIONS ARE IN FEET RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM (NAVD88).

4. HORIZONTAL AND VERTICAL CONTROL FOR CONSTRUCTION FOR THIS PROJECT SHALL BE BASED ON FDEP SURVEY MONUMENTS AS FOUND IN MIAMI-DADE COUNTY, UTILIZING PLANE COORDINATES (NAD83-90) IN FEET AND ELEVATIONS UTILIZING (NAVD 88) IN FEET.

5. MEAN HIGH WATER (MHW) IS +0.36 NAVD; MEAN LOW WATER (MLW) IS -2.11 NAVD. TIDAL DATUM INFORMATION BASED ON NOS TIDE STATION 8723050 (OBTAINED FROM APPROVED PERMIT SET, CSI. MARCH 28, 2008).

6. SAND IS TO BE PLACED UTILIZING METHODS APPROVED BY LOCAL, STATE AND FEDERAL REGULATORY PERMITTING AGENCIES.


8. ALL ACCESS AND STANDING AREAS WILL BE DETERMINED BY THE LOCAL MUNICIPALITY PRIOR TO CONSTRUCTION.

9. AT NO TIME WILL THE AMOUNT OF FILL TO BE PLACED EXCEED THE USACE DESIGN TEMPLATE.

PERMIT # 233882005

JUAN A. CURIEL
State of Florida
Professional Engineer
License No. 63890

MIAMI-DADE COUNTY DERM
WATER MANAGEMENT
DIVISION

701 NW 1st Court, 5th Floor
MIAMI, FLORIDA 33136

BAL HARBOUR AND SURFSIDE
GENERAL NOTES

JOB: R-30 to R-32
DATE: 05-09

BY: J.C. / M.P.
SHEET: 5/5
NOTE:
1. APPROXIMATE AMOUNT OF BEACH FILL = 84570 CY BETWEEN NOV-DEC 08 SURVEY & ACOE TEMPLATE.
2. DATE OF AERIAL: 2007
3. ALL FILL IS TO TAKE PLACE WEST OF THE DUNE \ EROSION CONTROL LINE.
4. NO EXISTING DUNE VEGETATION WILL BE BURIED
5. AREA BETWEEN R43 AND R44+500 IS ALREADY PERMITTED UNDER PERMITS: FDEP: JCP 0233882-004-JM
   USACE: SAJ 2008-1648 (IP - INS)
THIS AREA DOES NOT REQUIRE RENOURISHMENT AT THIS TIME. AUTHORIZATION IS SOUGHT BECAUSE THE AREA IMMEDIATELY TO THE NORTH AND SOUTH ARE PERMITTED UNDER JCP-0233882-004-JM. THIS WOULD ENSURE THAT NO "POCKETS" OF UNPERMITTED AREA EXIST.

LEGEND:

PROPOSED FILL AREA

---

CONSTRUCTION TEMPLATE

---

USACE DESIGN TEMPLATE

---

NOV-DEC 2008 SURVEY PROFILE

---

NOT TO SCALE

ELEVATIONS ARE IN FEET (NAVD 1988)

DISTANCES ARE IN FEET FROM R-MONUMENT R-47

From R46 to R47
Volume: 22,063 CY

LEGEND:

VZ/ZJ PROPOSED FILL AREA

---

JUAN A. CURIEL
State of Florida Professional Engineer
License No. 63890

MIAMI-DADE COUNTY DERM WATER MANAGEMENT DIVISION

701 NW 1st Court, 5th Floor
MIAMI, FLORIDA 33136

MIAMI BEACH AREA TRANSECTS R-47

JOB: R44+500 to R48+700
DATE: 07-28-09

BY: J.C. / M.P.
SHEET: 47
THIS AREA DOES NOT REQUIRE RENOURISHMENT AT THIS TIME. AUTHORIZATION IS SOUGHT BECAUSE THE AREA IMMEDIATELY TO THE NORTH AND SOUTH ARE PERMITTED UNDER JCP-0233882-004-JM. THIS WOULD ENSURE THAT NO "POCKETS" OF UNPERMITTED AREA EXIST.

CONSTRUCTION TEMPLATE

USACE DESIGN TEMPLATE

NOV-DEC 2008 SURVEY PROFILE

NOT TO SCALE

LEGEND:

PROPOSED FILL AREA

ELEVATIONS ARE IN FEET (NAVD 1988)

DISTANCES ARE IN FEET FROM R-MONUMENT

R-48

FROM R47 TO R48

VOLUME: 345 CY

MIAMI-DADE COUNTY DERM

WATER MANAGEMENT DIVISION

701 NW 1st Court, 5th Floor
MIAMI, FLORIDA 33136

MIAMI BEACH AREA

TRANSECTS R-48

JOB: R44+500 TO R48+700
DATE: 07-28-09

BY: J.C. / M.P.
SHEET: 5/7

PDF FILE: R-48.pdf
THIS AREA DOES NOT REQUIRE RENOURISHMENT AT THIS TIME. AUTHORIZATION IS SOUGHT BECAUSE THE AREA IMMEDIATELY TO THE NORTH AND SOUTH ARE PERMITTED UNDER JCP-0233882-004-JM. THIS WOULD ENSURE THAT NO "POCKETS" OF UNPERMITTED AREA EXIST.

CONSTRUCTION TEMPLATE

USACE DESIGN TEMPLATE

NOV-DEC 2008 SURVEY PROFILE

DISTANCES ARE IN FEET FROM EROSION CONTROL LINE

R-48+700

FROM R48 TO R48+700

VOLUME: 1,364 CY

NOT TO SCALE

LEGEND:

PROPOSED FILL AREA

MIAMI-DADE COUNTY DERM
WATER MANAGEMENT DIVISION
TRANSECTS R-48+700

MIAMI BEACH AREA

500 600

DISTANCES ARE IN FEET FROM EROSION CONTROL LINE

R-48+700

NOT TO SCALE

LEGEND:

PROPOSED FILL AREA

MIAMI-DADE COUNTY DERM
WATER MANAGEMENT DIVISION
TRANSECTS R-48+700

MIAMI BEACH AREA

500 600

DISTANCES ARE IN FEET FROM EROSION CONTROL LINE

R-48+700

NOT TO SCALE

LEGEND:

PROPOSED FILL AREA

MIAMI-DADE COUNTY DERM
WATER MANAGEMENT DIVISION
TRANSECTS R-48+700

MIAMI BEACH AREA

500 600

DISTANCES ARE IN FEET FROM EROSION CONTROL LINE

R-48+700

NOT TO SCALE

LEGEND:

PROPOSED FILL AREA

MIAMI-DADE COUNTY DERM
WATER MANAGEMENT DIVISION
TRANSECTS R-48+700

MIAMI BEACH AREA

500 600

DISTANCES ARE IN FEET FROM EROSION CONTROL LINE

R-48+700

NOT TO SCALE

LEGEND:

PROPOSED FILL AREA

MIAMI-DADE COUNTY DERM
WATER MANAGEMENT DIVISION
TRANSECTS R-48+700

MIAMI BEACH AREA

500 600

DISTANCES ARE IN FEET FROM EROSION CONTROL LINE

R-48+700

NOT TO SCALE

LEGEND:

PROPOSED FILL AREA
MIAMI BEACH
GENERAL NOTES

1. PERMIT SET-REVIEW CONSTRUCTION PLANS AND SPECIFICATIONS PRIOR TO COMMENCING CONSTRUCTION ACTIVITY.

2. TOPOGRAPHIC AND BATHYMETRIC SURVEY DATA WAS OBTAINED BY SEA DIVERSIFIED INC. (SDI) DURING FIELD WORK PERFORMED NOVEMBER-DECEMBER 2008.

3. THE PLANE COORDINATES AND BEARINGS SHOWN HEREON ARE IN FEET AND ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE (0901), TRANSVERSE MERCATOR PROJECTION, NORTH AMERICAN DATUM, 1983, ADJUSTED 1990 (NAD83-90) AND ALL CONTOURS AND ELEVATIONS ARE IN FEET RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM (NAVD88).

4. HORIZONTAL AND VERTICAL CONTROL FOR CONSTRUCTION FOR THIS PROJECT SHALL BE BASED ON FDEP SURVEY MONUMENTS AS FOUND IN MIAMI-DADE COUNTY, UTILIZING PLANE COORDINATES (NAD83-90) IN FEET AND ELEVATIONS UTILIZING (NAVD 88) IN FEET.

5. MEAN HIGH WATER (MHW) IS +0.36 NAVD; MEAN LOW WATER (MLW) IS -2.11 NAVD. TIDAL DATUM INFORMATION BASED ON NOS TIDE STATION 8723050 (OBTAINED FROM APPROVED PERMIT SET, CSI. MARCH 28, 2008).

6. SAND IS TO BE PLACED UTILIZING METHODS APPROVED BY LOCAL, STATE AND FEDERAL REGULATORY PERMITTING AGENCIES.


8. ALL ACCESS AND STANDING AREAS WILL BE DETERMINED BY THE LOCAL MUNICIPALITY PRIOR TO CONSTRUCTION.

9. AT NO TIME WILL THE AMOUNT OF FILL TO BE PLACED EXCEED THE USACE DESIGN TEMPLATE.

PERMIT # 233882005

MIAMI-Dade COUNTY DERM
WATER MANAGEMENT DIVISION

MIAMI BEACH AREA
GENERAL NOTES

JOB: R44+500 to R48+700   DATE: 07-28-09
BY: J.C. / M.P.   SHEET: 7/7

JUAN A. CURIEL
State of Florida
Professional Engineer
License No. 63890

701 NW 1st Court, 5th Floor
MIAMI, FLORIDA 33136
NOTE:
1. APPROXIMATE AMOUNT OF BEACH FILL = 51815 CY BETWEEN NOV-DEC 08 SURVEY & ACOE TEMPLATE.
2. DATE OF AERIAL: 2007
3. ALL FILL IS TO TAKE PLACE WEST OF THE DUNE \ EROSION CONTROL LINE.
4. NO EXISTING DUNE VEGETATION WILL BE BURIED
5. AREA BETWEEN R7 AND R12 IS ALREADY PERMITTED UNDER PERMITS: FDEP: JCP 0233882-004-JM
   USACE: SAJ 2008-1648 (IP-INS)

COORDINATES

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EROSION CONTROL LINE (DUNE)

CONSTRUCTION TOE OF FILL

TTRRSS: 52-42-11

MHW 2008 (0.36)

MIAMI-DADE COUNTY DERM
WATER MANAGEMENT DIVISION
701 NW 1st Court, 5th Floor. Miami, FL. 33136

JUAN A. CURIEL
State of Florida Professional Engineer
License No. 63890

SUNNY ISLES
LOCATION MAP
PROPOSED RENOURISHMENT AREA

JOB: R12 to R15
BY: J.C. / M.P.
DATE: 07-28-09
SHEET: 1/6
GENERAL NOTES

1. PERMIT SET-REVIEW CONSTRUCTION PLANS AND SPECIFICATIONS PRIOR TO COMMENCE CONSTRUCTION ACTIVITY.

2. TOPOGRAPHIC AND BATHYMETRIC SURVEY DATA WAS OBTAINED BY SEA DIVERSIFIED INC. (SDI) DURING FIELD WORK PERFORMED NOVEMBER-DECEMBER 2008.

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8. ALL ACCESS AND STANDING AREAS WILL BE DETERMINED BY THE LOCAL MUNICIPALITY PRIOR TO CONSTRUCTION.

9. AT NO TIME WILL THE AMOUNT OF FILL TO BE PLACED EXCEED THE USACE DESIGN TEMPLATE.

10. THE PROPOSED TOE OF FILL DEPICTED ON THE DRAWINGS IS THEORETICAL. IT IS BASED ON THE ASSUMPTION THAT ALL SAND IS PLACED IN A SINGLE EVENT. FINAL LOCATION OF PROPOSED TOE OF FILL CAN ONLY BE DETERMINED THROUGH AS-BUILT AND MONITORING SURVEYS PERFORMED POST NOURISHMENT.
SUNNY ISLES
GENERAL NOTES

1. PERMIT SET-REVIEW CONSTRUCTION PLANS AND SPECIFICATIONS PRIOR TO COMMENCING CONSTRUCTION ACTIVITY.

2. TOPOGRAPHIC AND BATHYMETRIC SURVEY DATA WAS OBTAINED BY SEA DIVERSIFIED INC. (SDI) DURING FIELD WORK PERFORMED NOVEMBER-DECEMBER 2008.

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---

**PERMIT # 233882005**

JUAN A. CURIEL
State of Florida Professional Engineer License No. 63890

MIAMI-DADE COUNTY DERM WATER MANAGEMENT DIVISION

701 NW 1st Court, 5th Floor MIAMI, FLORIDA 33136

SUNNY ISLES AREA GENERAL NOTES

JOB: R12 to R15 DATE: 07-28-09

BY: J.C. / M.P. SHEET: 6/6