GENERAL NOTES:

1. All notes inferred in accordance with the standard specifications for public works construction, 1981 Edition, except as specified on the plans or in special provisions.

2. All modifications and changes to the plans or specifications for public works construction, 1981 Edition, except as specified on the plans or in special provisions.

3. All notes inferred in accordance with the standard specifications for public works construction, 1981 Edition, except as specified on the plans or in special provisions.

4. All notes inferred in accordance with the standard specifications for public works construction, 1981 Edition, except as specified on the plans or in special provisions.

5. All notes inferred in accordance with the standard specifications for public works construction, 1981 Edition, except as specified on the plans or in special provisions.

6. All notes inferred in accordance with the standard specifications for public works construction, 1981 Edition, except as specified on the plans or in special provisions.

ENVIRONMENTAL PROTECTION REQUIREMENTS

A. General Notes

1. Provide and maintain environmental and property protection as specified.

2. Comply with federal, state, and local regulations pertaining to the environment and property, but not limited to water, air, and soil pollution.

3. Provide and maintain environmental and property protection as specified.

4. Provide and maintain environmental and property protection as specified.

5. Provide and maintain environmental and property protection as specified.

6. Provide and maintain environmental and property protection as specified.

B. Preconstruction Survey

1. Preconstruction survey shall be performed and recorded in the project site and areas to be used by the contractor, as specified.

2. Preconstruction survey shall be performed and recorded in the project site and areas to be used by the contractor, as specified.

3. Preconstruction survey shall be performed and recorded in the project site and areas to be used by the contractor, as specified.

4. Preconstruction survey shall be performed and recorded in the project site and areas to be used by the contractor, as specified.

5. Preconstruction survey shall be performed and recorded in the project site and areas to be used by the contractor, as specified.

C. Protection

1. Contractor shall provide for compliance with federal, state, and local regulations as specified.

2. Contractor shall provide for compliance with federal, state, and local regulations as specified.

3. Contractor shall provide for compliance with federal, state, and local regulations as specified.

4. Contractor shall provide for compliance with federal, state, and local regulations as specified.

5. Contractor shall provide for compliance with federal, state, and local regulations as specified.

CONTROL AND DISPOSAL OF SOLID AND SANITARY WASTES

A. Solid and Sanitary Wastes

1. Contractor shall dispose of solid and sanitary wastes in accordance with federal, state, and local regulations as specified.

2. Contractor shall dispose of solid and sanitary wastes in accordance with federal, state, and local regulations as specified.

3. Contractor shall dispose of solid and sanitary wastes in accordance with federal, state, and local regulations as specified.

4. Contractor shall dispose of solid and sanitary wastes in accordance with federal, state, and local regulations as specified.

5. Contractor shall dispose of solid and sanitary wastes in accordance with federal, state, and local regulations as specified.

60% SUBMITTAL

Moffatt & Nichol

California State Lands Commission

Water Levels at Broad Beach (Tidal Epoch 1983-2001)

- Extremes only
- Mean High Water (MHW)
- Mean Water Level (MWL)
- Mean Low Water (MLW)
- Mean High Water (MHW)
- Mean Low Water (MLW)
- Mean Water Level (MWL)
- Mean High Water (MHW)
- Mean Low Water (MLW)
- Mean Water Level (MWL)

60% DUNE PLANS IN PROGRESS
CONSTRUCTION ACCESS AND STAGING PLAN

BROAD BEACH RESTORATION PROJECT
California State Lands Commission
CONSTRUCTION ACCESS AND STAGING PLAN

STAGING AREA #1: ZUMA COUNTY BEACH PARKING LOT #12

60% SUBMITTAL
GENERAL NOTES

1. All signs, traffic cones, barricades, etc. shall conform to the latest editions of State of California Standard Plans and Specifications (2010 edition), and the California Manual (2013 edition).

2. All traffic control devices shall be kept in their proper position and shall be maintained, replaced or cleaned as necessary to preserve their appearance and effectiveness.

3. Contractor reserves the right to replace and/or add traffic control devices and plans in use and to make any changes necessitated by field conditions. All such changes shall supersede these plans and will be done solely at the contractor’s expense.

4. Upon completion of the project, the contractor shall remove all temporary traffic control devices, and restore all permanent signs and striping impacted by construction to their original condition.

5. Only one direction of traffic control may be placed at a time.

TEMPORARY SIGNING & STRIPING AND TRAFFIC SIGNAL PLAN

60% SUBMITTAL
LEGEND:

- Existing Storm Drain
- Existing Contour
- Proposed Contour
- Station Control Line
- Dune Restoration Footprint
- Wave Uprush 45 yr
- Wave Uprush 45 yr
- Wave Uprush 10 yr
- Wave Uprush 10 yr

60% SUBMITTAL
60% SUBMITTAL

POST NURSMENT TOE

LEGEND:

EXISTING STORM DRAIN
MODIFIED CATCH BASIN
EXISTING CONTOUR
PROPOSED CONTOUR
EXISTING TEMPORARY DREDGE
STATION CONTROL LINE
DUNE RESTORATION FOOTPRINT
WAVE UPLIFT +1 VR
WAVE UPLIFT +2, +15 VR
WAVE UPLIFT +10, +20 VR
BROAD BEACH RESTORATION PROJECT

California State Lands Commission

BEACH FILL PLAN
STA 42+50 TO STA 53+00

60% SUBMITTAL

LEGEND:
- Existing Storm Drain
- Modified Catch Basin
- Existing Contour
- Proposed Contour
- Existing Temporary Trench
- Station Control Line
- Dune Restoration Footprint
- Wave Uplift 40 VR
- Wave Uplift 45, 45 VR
- Wave Uplift 40, 20 VR

NOTE:
For Dune Restoration Plans and Details see sheets L-1 thru L-10.
NOTE: ALL ELEVATIONS ARE IN REFERENCE TO THE HAE DATUM.

60% SUBMITTAL

STORM DRAIN PLAN & PROFILE
STA 30+45.64

BROAD BEACH RESTORATION PROJECT
STORM DRAIN PLAN & PROFILE
STA 30+45.64

CALIFORNIA STATE LANDS COMMISSION

MOWATT & NICOL
4200 WILSHIRE BLVD.
 LOS ANGELES, CA 90010

DIGAVERT 1-800-220-2200 4200 WILSHIRE BLVD.
WWW.DIGAVERT.COM

SD-1
STORM DRAIN PLAN & PROFILE

STA 47+35.62

BROAD BEACH RESTORATION PROJECT
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STORM DRAIN PLAN & PROFILE
STA 47+36.62

60% SUBMITTAL

NOTE: ALL ELEVATIONS ARE IN REFERENCE TO THE HNL DATUM.
STORM DRAIN PLAN & PROFILE

STA 60+44.75

BROAD BEACH RESTORATION PROJECT

60% SUBMITTAL

NOTE: ALL ELEVATIONS ARE IN REFERENCE TO THE HALE Datum.

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STORM DRAIN PLAN & PROFILE

STA 60+44.75
BROAD BEACH RESTORATION PROJECT

California State Lands Commission
MAINTENANCE REACH AREAS FOR SAND BACKPASSING

60% SUBMITTAL

DIGALERT
1-800-327-8700
555 W. 39TH STREET
LOS ANGELES, CA 90008

MOFFATT & Nichol

S. Smith  G. Wald

4 NEW WEST END PROFILES REQUESTED
BY OSU FOR BIOLOGICAL IMPACT STUDY
AND FIRST SURVEYED IN SPRING 2015

SCALE: 1" = 200'
BROAD BEACH RESTORATION PROJECT
California State Lands Commission

60% SUBMITTAL
TAKE AREA AT MR 408 AND MR 409 FOR SAND BACKPASSING

EAST BROAD BEACH - PLAN
1"=100'

EAST BROAD BEACH - 409 PROFILE
PROPOSED BACKPASSING ACTION AT MR 408 AND MR 409 TO BORROW 35,000 CY
1"=100'

60% SUBMITTAL
WEST BROAD BEACH — PLAN

60% SUBMITTAL

PROPOSED BACKPASSING ACTION AT MR 411 AND MR 412 TO PLACE 35,000 CY

BACKPASS SCENARIO NO. 2 NOTES:
1. SURFACE FILL PROFILE AT MR 412 FOR PLACEMENT OF 35,000 CY AT MR 411 AND MR 412.
2. DEPTH OF FILL RANGES FROM 3 FEET TO 6 FEET.

BROAD BEACH RESTORATION PROJECT
California State Lands Commission
PLACEMENT AREA AT MR 411 AND MR 412 FOR SAND BACKPASING
LEGEND:

- Material remaining from initial nourishment
- Nourishment template
- Existing ground profile (pre-project)
- Estimated nourishment profile at 10 years

60% SUBMITTAL

TYPICAL RE-NOURISHMENT SECTIONS
STA 12+00 TO STA 23+50
TYPICAL RE-NOURISHMENT SECTIONS
STA 28+00 TO STA 43+00

LEGEND:

- MATERIAL REMAINING FROM INITIAL NOURISHMENT
- MARGINAL NOURISHMENT Template
- EXISTING GROUND PROFILE (PRE-PROJECT)
- ESTIMATED PRE-NOURISHMENT PROFILE AT 10 YEARS

60% SUBMITTAL