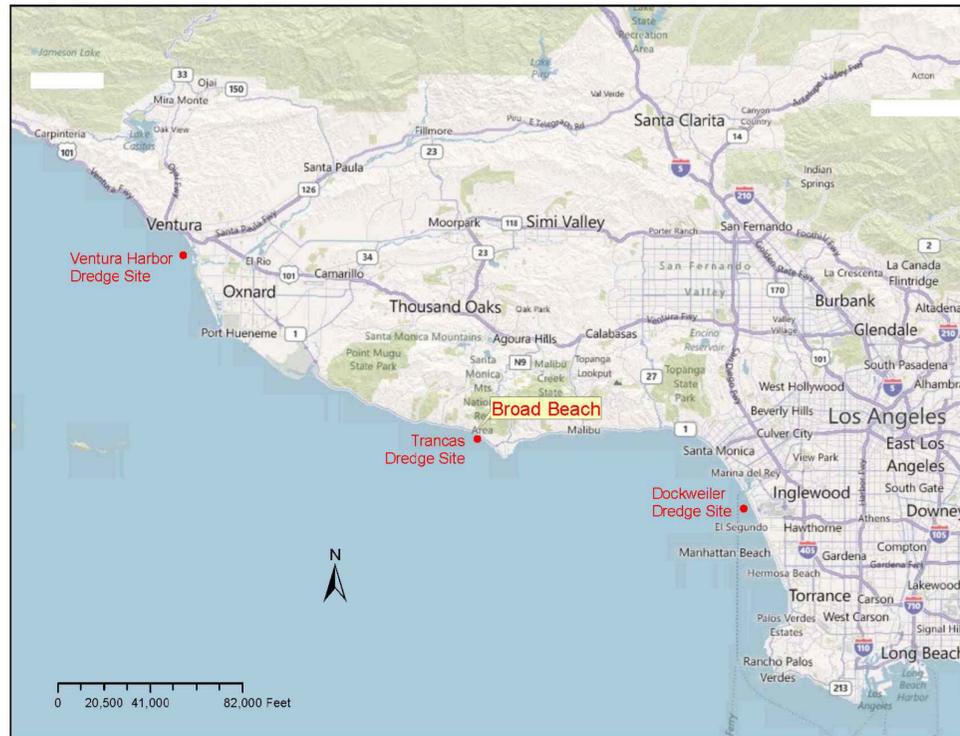
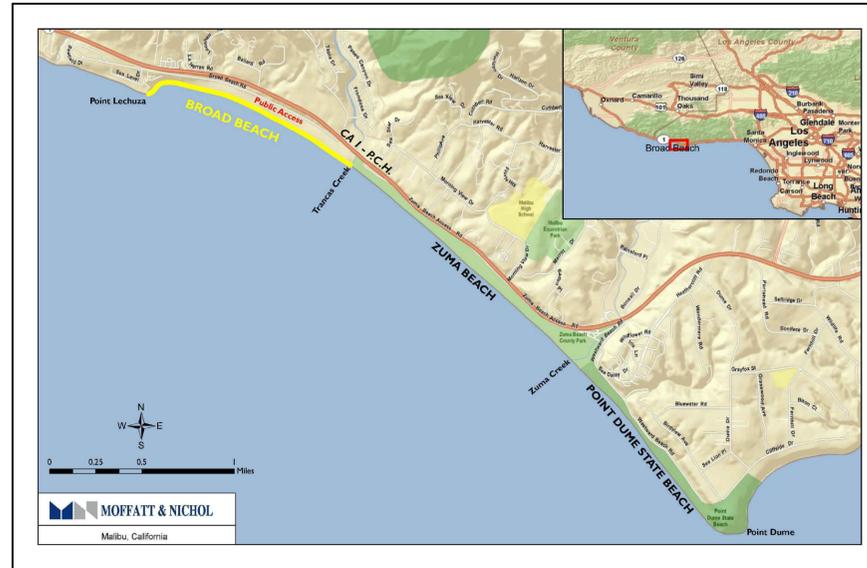


BROAD BEACH RESTORATION PROJECT

PREPARED FOR BROAD BEACH GEOLOGIC HAZARD ABATEMENT DISTRICT (B.B.G.H.A.D.)



PROJECT VICINITY MAP



BROAD BEACH VICINITY MAP



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PROCEDURE OF SURVEY

THE HORIZONTAL DATUM WAS ESTABLISHED THROUGH STATIC GPS OBSERVATIONS. THE VERTICAL DATUM WAS ESTABLISHED UTILIZING LA COUNTY BENCHMARK Y 11394 AND TIDE STATIONS AT SANTA MONICA AND SANTA BARBARA. THE MEAN HIGH WATER ELEVATION LOCALLY (4.67 FEET) WAS DETERMINED UTILIZING THE ABOVE REFERENCED TIDE STATIONS. THE MEAN HIGH WATER LINE WAS SURVEYED AT A FIFTY-FOOT INTERVAL ON OCTOBER 15, 2009. THE TOPOGRAPHIC INFORMATION SHOWN WAS GENERATED THROUGH AERIAL PHOTOGRAMMETRIC METHODS THROUGH PHOTOGRAPHY COLLECTED ON OCTOBER 15, 2009. SURVEY PERFORMED BY KDM MERIDIAN, LAKE FOREST, CA

HORIZONTAL DATUM

BEARINGS AND COORDINATES DERIVED FROM THIS MAP OR THE DIGITAL FILE THEREOF ARE IN TERMS OF THE CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE V (2000.35 EPOCH). ANY DISTANCES CALCULATED THEREFROM ARE GRID. TO OBTAIN GROUND DISTANCE, DIVIDE GRID DISTANCE BY THE COMBINATION FACTOR OF 1.00000597

VERTICAL DATUM

ALL ELEVATIONS SHOWN HEREON ARE IN TERMS OF MEAN LOWER LOW WATER (MLLW), TIDAL EPOCH 1983-2001.



REGION MAP
NOT TO SCALE

DESIGN TEAM:

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MOFFATT & NICHOL

DESIGNED BY Aaron Holloway, P.E. CHECKED BY Chris Webb
DRAWN BY S. Salazar IN CHARGE Russell Boudreau, P.E.

BROAD BEACH RESTORATION PROJECT
California State Lands Commission

TITLE SHEET, VICINITY MAP,
LOCATION MAP

SCALE	DATE
NONE	OCT. 2013
JOB NO.	6935-02
SHEET	1 OF 42
T-1	

GENERAL NOTES:

- CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2006 EDITION EXCEPT AS MODIFIED ON THE PLANS OR IN SPECIAL PROVISIONS.
- THESE IMPROVEMENTS CONSIST OF WORK CALLED FOR ON THESE PLANS ONLY.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE STARTING WORK.
- THE ENGINEER DOES NOT WARRANT THE ACCURACY OF SCALED DIMENSIONS ON ANY PLAN. ALL DIMENSIONS SHALL BE AS DESIGNATED ON THE PLANS.
- THE CONTRACTOR SHALL PROTECT ALL PUBLIC AND PRIVATE PROPERTY DURING THE PERFORMANCE OF WORK DONE UNDER THE CONTRACT. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO AVOID ANY DAMAGE TO ANY STRUCTURES ADJACENT TO THE PROJECT BOUNDARIES. THE CONTRACTOR SHALL ALSO PROVIDE FOR THE PROTECTION OF THE PUBLIC USING THE BEACH. PHOTOS OF BEFORE AND AFTER PROJECT CONDITIONS SHALL BE TAKEN BY THE CONTRACTOR.
- EXISTING UTILITIES SHOWN ARE BASED ON AVAILABLE RECORDS OF PARENT UTILITY COMPANIES AND MAY NOT ACCURATELY REPRESENT THEIR ACTUAL LOCATIONS. PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATIONS (VERTICAL AND HORIZONTAL) OF ALL UTILITIES IN THE FIELD OR COORDINATE SUCH INDEPENDENT VERIFICATION WITH THE PARENT UTILITY COMPANIES AND PROVIDE THE STATE WITH THE POTHOLE INFORMATION. THE CONTRACTOR SHALL PROTECT IN PLACE OR COORDINATE WITH THE PARENT COMPANY FOR THE RELOCATION OF CONFLICTING UTILITIES ENCOUNTERED DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) AT 1-800-277-2600 TWO (2) DAYS PRIOR TO ANY EXCAVATION WORK.
- THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION FOR THIS PROJECT. THIS INCLUDES THE SAFETY OF ALL PERSONS AND PROPERTY AND THAT THE REQUIREMENTS SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE STATE OF CALIFORNIA AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FROM LIABILITY ARISING FROM THE NEGLIGENCE OF THE STATE OF CALIFORNIA OR THE ENGINEER.

ABBREVIATIONS

APPROX.	APPROXIMATE
CMP	CORRUGATED METAL PIPE
CPP	CORRUGATED PLASTIC PIPE
CY	CUBIC YARD
ELEV	ELEVATION
FT	FEET
GPS	GLOBAL POSITIONING SYSTEM
HORIZ	HORIZONTAL
INV	INVERT
LA	LOS ANGELES
MAX	MAXIMUM
MHHW	MEAN HIGHER HIGH WATER
MHT	MEAN HIGH TIDE
MHW	MEAN HIGH WATER
MLW	MEAN LOW WATER
MLLW	MEAN LOWER LOW WATER
MOD	MODIFIED
MSL	MEAN SEA LEVEL
NAVD88	NORTH AMERICAN VERTICAL DATUM
NO	NUMBER
NOAA/NOS	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION/NATIONAL OCEAN SERVICE
OCT	OCTOBER
OWTS	ONSITE WASTEWATER TREATMENT SYSTEM
RD	ROAD
STA	STATION
TBD	TO BE DETERMINED
TYP	TYPICAL
USA	UNITED STATES OF AMERICA
VERT	VERTICAL

INDEX OF DRAWING

SHEET NO.	SHEET CODE	SHEET TITLE
1	T-1	TITLE SHEET, VICINITY MAP, LOCATION MAP
2	T-2	GENERAL NOTES, ABBREVIATIONS, INDEX OF DRAWINGS
3	CS-1	SITE PLAN
4	CS-2	CONSTRUCTION ACCESS AND STAGING PLAN
5	CS-3	TRAFFIC CONTROL PLAN
6	C-1	SHEET LAYOUT PLAN
7	C-2	BEACH FILL PLAN STA 10+00 TO STA 21+50
8	C-3	BEACH FILL PLAN STA 21+50 TO STA 32+00
9	C-4	BEACH FILL PLAN STA 32+00 TO STA 42+50
10	C-5	BEACH FILL PLAN STA 42+50 TO STA 53+00
11	C-6	BEACH FILL PLAN STA 53+00 TO STA 63+50
12	C-7	BEACH FILL PLAN STA 63+50 TO STA 74+00
13	XS-1	TYPICAL BEACH FILL SECTION STA 12+00 TO STA 23+50
14	XS-2	TYPICAL BEACH FILL SECTION STA 28+00 TO STA 43+00
15	XS-3	TYPICAL BEACH FILL SECTION STA 48+00 TO STA 67+00
16	SD-1	STORM DRAIN PLAN & PROFILE STA 30+45.64
17	SD-2	STORM DRAIN PLAN & PROFILE STA 44+21.70
18	SD-3	STORM DRAIN PLAN & PROFILE STA 47+35.62
19	SD-4	STORM DRAIN PLAN & PROFILE STA 60+44.75
20	L-1	BEACH NOURISHMENT & DUNE RESTORATION TYPICAL SECTIONS
21	L-2	BEACH NOURISHMENT & DUNE RESTORATION TYPICAL SECTIONS
22	L-3	BEACH NOURISHMENT & DUNE RESTORATION TYPICAL SECTIONS
23	L-4	DUNE RESTORATION PLAN (GENERAL) DUNE PROTOTYPE
24	L-5	TYPICAL DUNE HUMMOCK GRADING & PLANTING PLAN
25	L-6	TYPICAL DUNE HUMMOCK GRADING & PLANTING PLAN
26	L-7	TYPICAL DUNE HUMMOCK GRADING & PLANTING PLAN
27	L-8	TYPICAL DUNE HUMMOCK GRADING & PLANTING PLAN
28	L-9	TYPICAL DUNE HUMMOCK GRADING & PLANTING PLAN
29	L-10	TYPICAL DUNE HUMMOCK GRADING & PLANTING PLAN
30	MR-1	MAINTENANCE REACH AREAS FOR SAND BACKPASSING
31	MR-2	TAKE AREA AT MR 408 AND MR 409 FOR SAND BACKPASSING
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33	BR-1	BEACH RE-NOURISHMENT SHEET LAYOUT PLAN
34	BR-2	BEACH RE-NOURISHMENT PLAN STA 10+00 TO STA 21+50
35	BR-3	BEACH RE-NOURISHMENT PLAN STA 21+50 TO STA 32+00
36	BR-4	BEACH RE-NOURISHMENT PLAN STA 32+00 TO STA 42+50
37	BR-5	BEACH RE-NOURISHMENT PLAN STA 42+50 TO STA 53+00
38	BR-6	BEACH RE-NOURISHMENT PLAN STA 53+00 TO STA 63+50
39	BR-7	BEACH RE-NOURISHMENT PLAN STA 63+50 TO STA 74+00
40	XS-4	TYPICAL RE-NOURISHMENT SECTION STA 12+00 TO STA 23+50
41	XS-5	TYPICAL RE-NOURISHMENT SECTION STA 28+00 TO STA 43+00
42	XS-6	TYPICAL RE-NOURISHMENT SECTION STA 48+00 TO STA 67+00

REVISED 60% DUNE PLANS IN PROGRESS

ENVIRONMENTAL PROTECTION REQUIREMENTS

- A. CONTRACTOR SHALL:**
- PROVIDE AND MAINTAIN ENVIRONMENTAL AND PROPERTY PROTECTION AS SPECIFIED.
 - PLAN FOR AND PROVIDE ENVIRONMENTALLY PROTECTIVE MEASURES TO CONTROL POLLUTION THAT DEVELOPS DURING NORMAL CONSTRUCTION PRACTICE AND DURING THE CONSTRUCTION OF PERMANENT OR TEMPORARY ENVIRONMENTAL FEATURES ASSOCIATED WITH THIS PROJECT.
 - COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS PERTAINING TO THE ENVIRONMENT, INCLUDING BUT NOT LIMITED TO WATER, AIR AND NOISE POLLUTION.
- B. PRECONSTRUCTION SURVEY**
- CONTRACTOR SHALL PERFORM A PRECONSTRUCTION INSPECTION AND MAKE A VIDEO RECORD OF THE PROJECT SITE AND AREAS TO BE USED BY THE CONTRACTOR, WITH THE OWNERS OR THE OWNER'S REPRESENTATIVE TO ESTABLISH THE EXISTING CONDITION OF IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO, PAVEMENT, SIDEWALKS, CURBS AND CURBS AND GUTTERS, FENCES AND GATES, TREES AND SHRUBS, SIGNS, AND SIMILAR OBJECTS THAT ARE TO BE PROTECTED IN PLACE.
- C. PROTECTION**
- CONTRACTOR SHALL PRESERVE THE NATURAL RESOURCES AND PROPERTY WITHIN THE PROJECT BOUNDARIES AND OUTSIDE THE LIMITS OF PERMANENT WORK. DAMAGED PROPERTY AND IMPROVEMENTS SHALL BE RESTORED TO AN EQUIVALENT OR IMPROVED CONDITION UPON COMPLETION OF WORK AND PRIOR TO FINAL PAYMENT, AT CONTRACTOR'S SOLE EXPENSE. CONTRACTOR'S OPERATIONS SHALL BE CONFINED TO THE SMALLEST AREAS PRACTICAL, CONSISTENT WITH THE REQUIREMENTS OF THE PROJECT.

CONTROL AND DISPOSAL OF SOLID AND SANITARY WASTES

- CONTRACTOR SHALL PICK UP SOLID WASTES, AND PLACE IN CONTAINERS WHICH ARE REGULARLY EMPTIED.
- CONTRACTOR SHALL HAUL RUBBISH AND DEBRIS TO AN APPROVED DISPOSAL SITE LICENSED TO ACCEPT THE TYPE OF MATERIALS BEING DISPOSED.
- CONTRACTOR SHALL PROVIDE, MAINTAIN, AND REMOVE AT THE COMPLETION OF WORK, CHEMICAL TOILETS OR SIMILARLY EFFECTIVE UNITS IN SUFFICIENT QUANTITY TO PROVIDE FOR THE COMFORT AND HEALTH OF ALL PERSONS EMPLOYED IN THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH PERMIT REQUIREMENTS.

WATER LEVELS AT BROAD BEACH (TIDAL EPOCH 1983-2001)

WATER LEVEL	ELEVATION TO MLLW VERTICAL DATUM
EXTREME HIGH (OBSERVED JANUARY 27, 1983)	+7.8 FEET
MEAN HIGHER HIGH WATER (MHHW)	+5.5 FEET
MEAN HIGH WATER (MHW)	+4.7 FEET
MEAN SEA LEVEL (MSL), 1983-2001 EPOCH	+2.8 FEET
NATIONAL GEODETIC VERTICAL DATUM - 1929 (NGVD29)	+2.6 FEET
MEAN LOW WATER (MLW)	+0.9 FEET
NORTH AMERICAN VERTICAL DATUM - 1988 (NAVD88)	+0.2 FEET
MEAN LOWER LOW WATER (MLLW)	0.0 FEET
EXTREME LOW (OBSERVED DECEMBER 17, 1933)	-2.7

BASED ON LOS ANGELES OUTER HARBOR TIDE STATION (NOAA/NOS, 2008)

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DESIGNED BY	Aaron Holloway, P.E.	CHECKED BY	Chris Webb
DRAWN BY	S. Salazar	IN CHARGE	Russell Boudreau, P.E.

BROAD BEACH RESTORATION PROJECT
California State Lands Commission

GENERAL NOTES, ABBREVIATIONS,
INDEX OF DRAWINGS

SCALE	DATE
NONE	OCT. 2013
JOB NO.	6935-02
SHEET	2 OF 42
T-2	

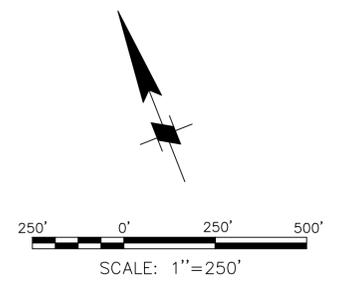
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DRAWN BY S. Salazar	IN CHARGE Russell Boudreau, P.E.

BROAD BEACH RESTORATION PROJECT
 California State Lands Commission

SITE PLAN

SCALE 1"=250'	DATE OCT. 2013
JOB NO. 6935-02	
SHEET 3 OF 42	
	CS-1



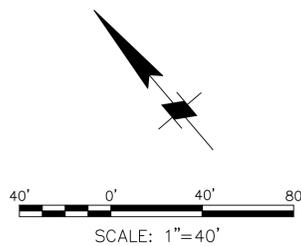
STAGING AREA #1: ZUMA COUNTY BEACH PARKING LOT #12

1"=40'

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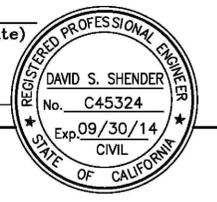
DESIGNED BY: Aaron Holloway, P.E.	CHECKED BY: Chris Webb
DRAWN BY: S. Salazar	IN CHARGE: Russell Boudreau, P.E.

BROAD BEACH RESTORATION PROJECT
California State Lands Commission

CONSTRUCTION ACCESS AND STAGING PLAN

SCALE	DATE
1"=40'	OCT. 2013
JOB NO.	6935-02
SHEET	4 OF 42
CS-2	

REGISTERED CIVIL ENGINEER (Date)



PLANS APPROVAL DATE

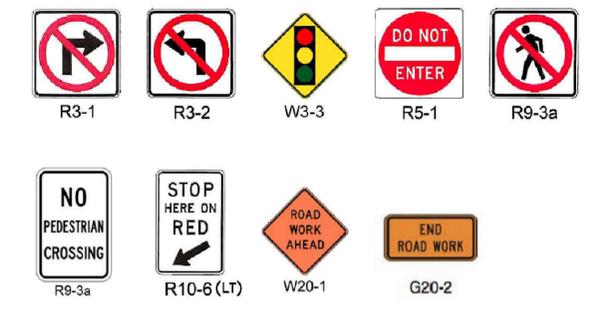
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

TRANSPORTATION PLANNING - TRAFFIC ENGINEERING - PARKING
 LINSBOTT LAW & GREENSPAN engineers
 20951 BURBANK BLVD., SUITE C, WOODLAND HILLS, CA 91367 (818)835-8648
 800 S. LAKE AVE., SUITE 500, PASADENA, CA 91106 (626)796-2322
 2 EXECUTIVE CIRCLE, SUITE 250, IRVINE, CA 92614 (949)625-6174
 4542 RUFFNER ST., SUITE 100, SAN DIEGO, CA 92111 (619)300-8800

GENERAL NOTES

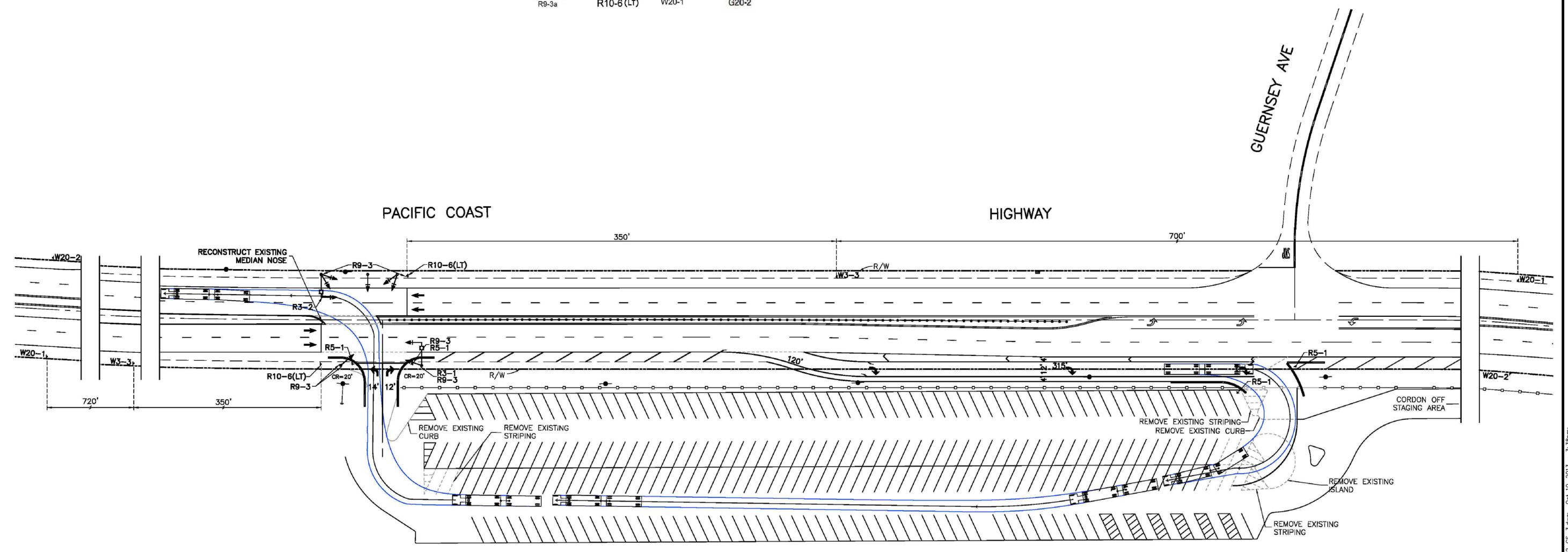
- ALL SIGNS, TRAFFIC CONES, BARRICADES, ETC. SHALL CONFORM TO THE LATEST EDITIONS OF STATE OF CALIFORNIA STANDARD PLANS AND SPECIFICATIONS (2010 EDITION), AND THE CALIFORNIA MUTCD (2012 EDITION).
- ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN THEIR PROPER POSITION AND SHALL BE REPAIRED, REPLACED OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY.
- CALTRANS RESERVES THE RIGHT TO OBSERVE THESE TRAFFIC CONTROL/DETOUR 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.
- 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.
- ONLY ONE DIRECTION OF TRAFFIC CONTROL MAY BE PLACED AT A TIME.

TEMPORARY CONSTRUCTION SIGNS



LEGEND

- PROPOSED CONSTRUCTION SIGN
- PROPOSED K-RAIL
- EXISTING TRAFFIC DELINEATOR

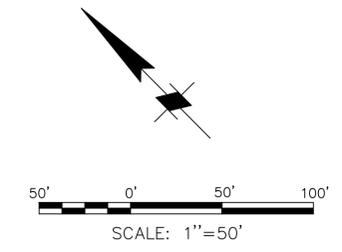


TEMPORARY SIGNING & STRIPING AND TRAFFIC SIGNAL PLAN

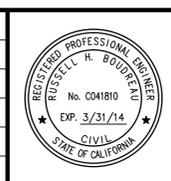
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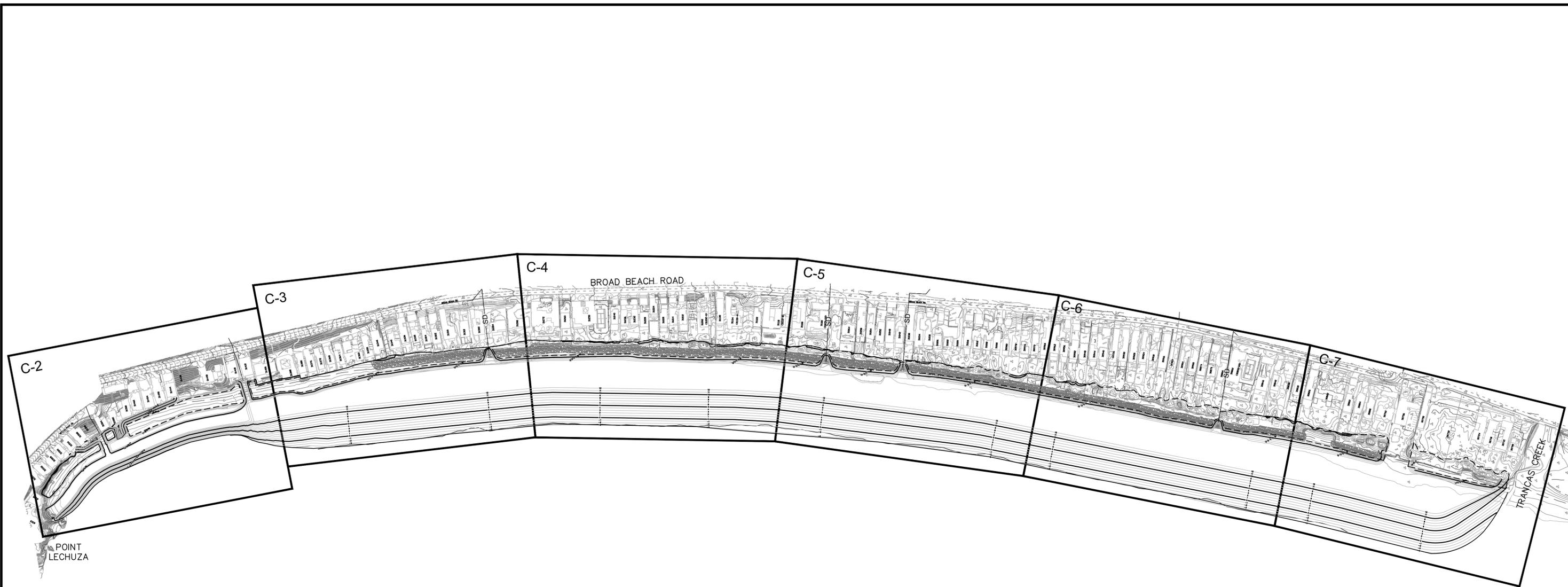
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BROAD BEACH RESTORATION PROJECT
 California State Lands Commission

TRAFFIC CONTROL PLAN

SCALE	DATE
1"=50'	OCT. 2013
JOB NO.	6935-02
SHEET	5 OF 42
	CS-3

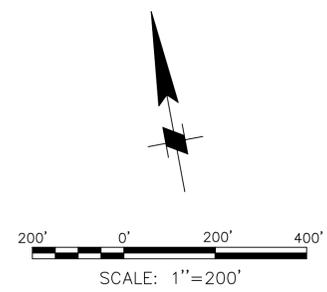
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SHEET LAYOUT PLAN
1"=200'

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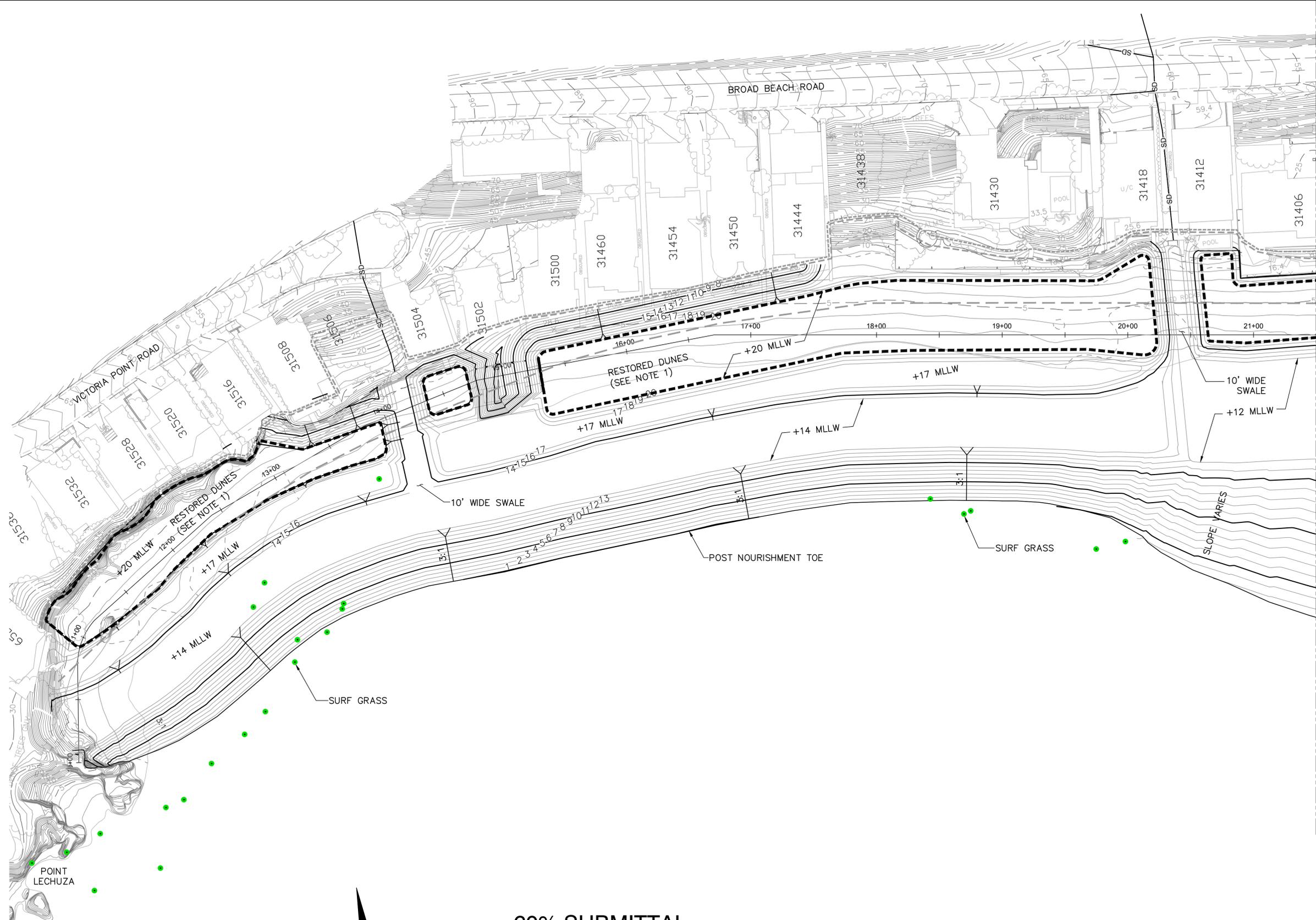
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DRAWN BY S. Salazar	IN CHARGE Russell Boudreau, P.E.

BROAD BEACH RESTORATION PROJECT
California State Lands Commission

SHEET LAYOUT PLAN

SCALE 1"=200'	DATE OCT. 2013
JOB NO. 6935-02	
SHEET 6 OF 42	
	C-1

NOTE:
FOR DUNE RESTORATION PLANS AND
DETAILS SEE SHEETS L-1 THRU L-10.

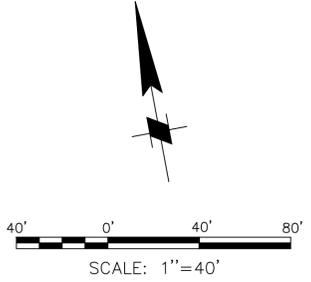


MATCH LINE SEE SHEET C-3
STATION 21+50

- LEGEND:**
- SD — EXISTING STORM DRAIN
 - 5 — EXISTING CONTOUR
 - 5 — PROPOSED CONTOUR
 - 18+00 — STATION CONTROL LINE
 - (Dashed outline) — DUNE RESTORATION FOOTPRINT
 - (Dashed line) — WAVE UPRUSH +1 YR
 - (Dotted line) — WAVE UPRUSH +5, +15 YR
 - (Dash-dot line) — WAVE UPRUSH +10, +20 YR

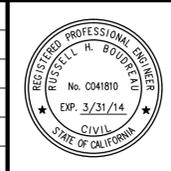
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DESIGNED BY: Aaron Holloway, P.E. CHECKED BY: Chris Webb
DRAWN BY: S. Salazar IN CHARGE: Russell Boudreau, P.E.

BROAD BEACH RESTORATION PROJECT
California State Lands Commission
BEACH FILL PLAN
STA 10+00 TO STA 21+50

SCALE 1"=40'	DATE OCT. 2013
JOB NO. 6935-02	SHEET 7 OF 42
C-2	

P:\935 Broad Beach\Design Information\CADD\Active\Sheets\693502_C-2.dwg, Oct 28, 2013 - 11:50am

NOTE:
FOR DUNE RESTORATION PLANS AND
DETAILS SEE SHEETS L-1 THRU L-10.



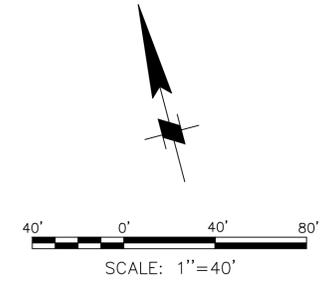
MATCH LINE SEE SHEET C-4
STATION 32+00

MATCH LINE SEE SHEET C-2
STATION 21+50

- LEGEND:**
- SD EXISTING STORM DRAIN
 - MODIFIED CATCH BASIN
 - 5 EXISTING CONTOUR
 - 5 PROPOSED CONTOUR
 - EXISTING TEMPORARY REVETMENT
 - 18+00 STATION CONTROL LINE
 - DUNE RESTORATION FOOTPRINT
 - WAVE UPRUSH +1 YR
 - WAVE UPRUSH +5, +15 YR
 - WAVE UPRUSH +10, +20 YR

FINAL
100%
%
%
CONCEPT
STATUS

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BROAD BEACH RESTORATION PROJECT
California State Lands Commission
BEACH FILL PLAN
STA 21+50 TO STA 32+00

SCALE 1"=40'	DATE OCT. 2013
JOB NO. 6935-02	SHEET 8 OF 42
C-3	

P:\935 Broad Beach\Design Information\CADD\Active SHEETS\693502_C-3.dwg, Oct 28, 2013 - 11:50am

NOTE:
FOR DUNE RESTORATION PLANS
AND DETAILS SEE SHEETS L-1
THRU L-10.



- LEGEND:**
- SD EXISTING STORM DRAIN
 - MB MODIFIED CATCH BASIN
 - 5 EXISTING CONTOUR
 - 5 PROPOSED CONTOUR
 - EXISTING TEMPORARY REVEMENT
 - 18+00 STATION CONTROL LINE
 - DUNE RESTORATION FOOTPRINT
 - WAVE UPRUSH +1 YR
 - WAVE UPRUSH +5, +15 YR
 - WAVE UPRUSH +10, +20 YR

MATCH LINE SEE SHEET C-3
STATION 32+00

MATCH LINE SEE SHEET C-5
STATION 42+50

RESTORED DUNES, +17 TO +20 MLLW
(SEE NOTE 1)

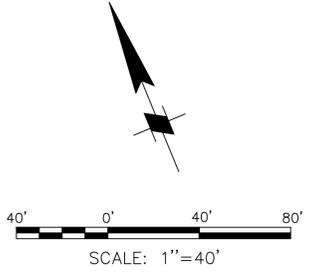
+12 MLLW

POST NOURISHMENT TOE

60% SUBMITTAL

FINAL
100%
%
%
CONCEPT
STATUS

DIGALERT
DIAL TOLL FREE
1-800-227-2600
AT LEAST TWO DAYS
BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA



NO.	REVISION	BY	DATE



MOFFATT & NICHOL

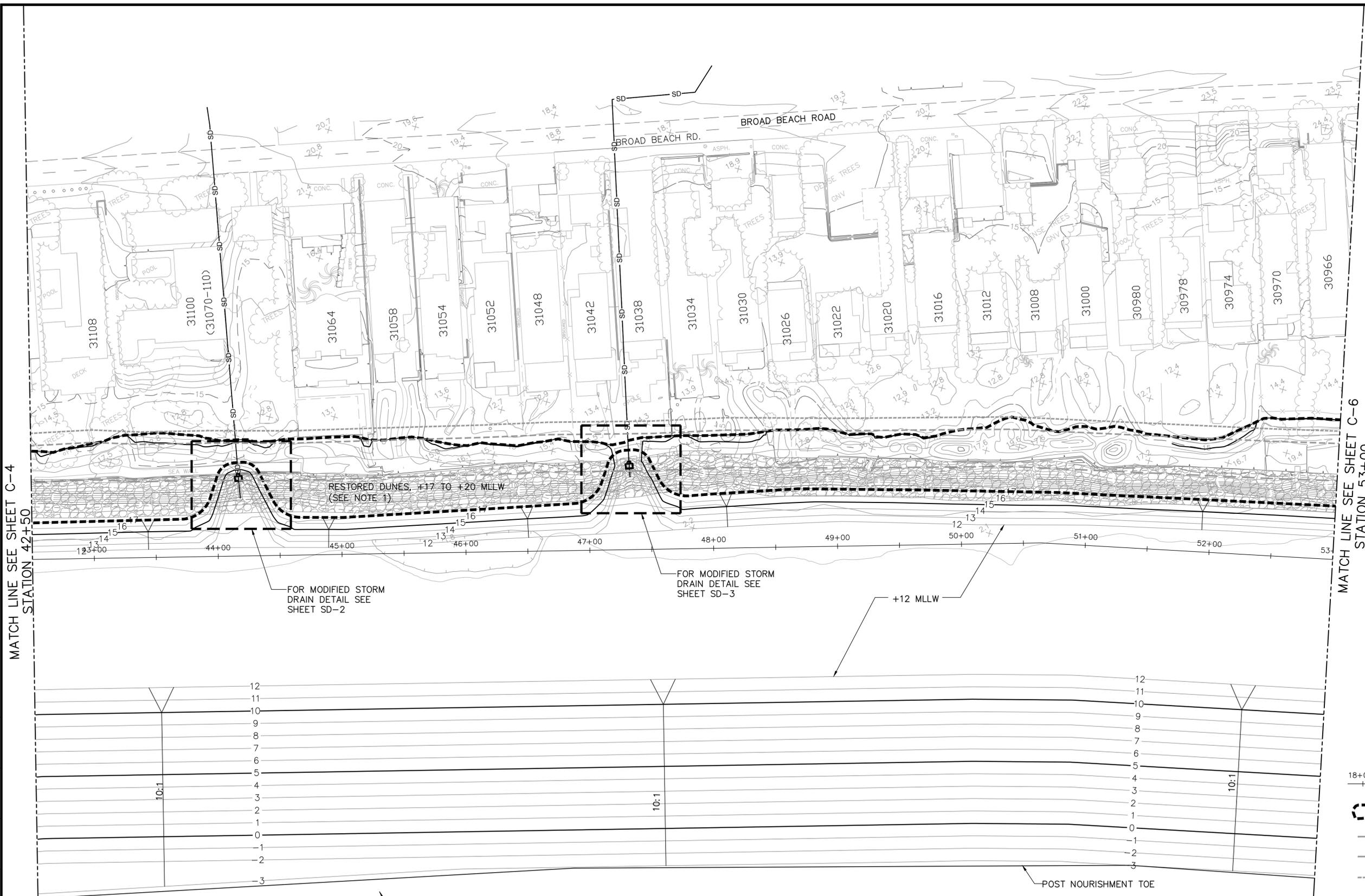
DESIGNED BY: Aaron Holloway, P.E. CHECKED BY: Chris Webb
DRAWN BY: S. Salazar IN CHARGE: Russell Boudreau, P.E.

BROAD BEACH RESTORATION PROJECT
California State Lands Commission
BEACH FILL PLAN
STA 32+00 TO STA 42+50

SCALE 1"=40'	DATE OCT. 2013
JOB NO. 6935-02	
SHEET 9 OF 42	
C-4	

P:\935 Broad Beach\Design Information\CADD\Active SHEETS\693502_C-4.dwg, Oct 28, 2013 - 11:50am

NOTE:
FOR DUNE RESTORATION PLANS AND
DETAILS SEE SHEETS L-1 THRU L-10.

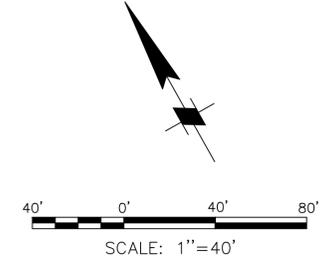


MATCH LINE SEE SHEET C-4
STATION 42+50

MATCH LINE SEE SHEET C-6
STATION 53+00

FINAL
100%
%
%
CONCEPT
STATUS

DIGALERT
DIAL TOLL FREE
1-800-227-2600
AT LEAST TWO DAYS
BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA



60% SUBMITTAL

NO.	REVISION	BY	DATE



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BROAD BEACH RESTORATION PROJECT
California State Lands Commission
BEACH FILL PLAN
STA 42+50 TO STA 53+00

SCALE 1"=40'	DATE OCT. 2013
JOB NO. 6935-02	SHEET 10 OF 42
C-5	

LEGEND:

- EXISTING STORM DRAIN
- MODIFIED CATCH BASIN
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING TEMPORARY REVEMENT
- STATION CONTROL LINE
- DUNE RESTORATION FOOTPRINT
- WAVE UPRUSH +1 YR
- WAVE UPRUSH +5, +15 YR
- WAVE UPRUSH +10, +20 YR

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