

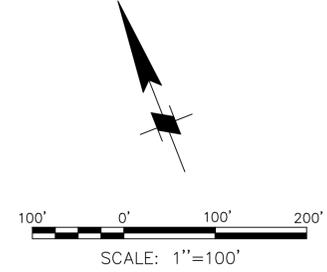
NOTE:
FOR 35,000 CY FROM COMBINED TAKE AREAS MR 408/MR 409.

EAST BROAD BEACH – 409 PROFILE
PROPOSED BACKPASSING ACTION AT MR 408 AND MR 409 TO BORROW 35,000 CY
1"=30'

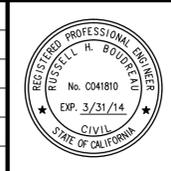
60% SUBMITTAL

FINAL
100%
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CONCEPT
STATUS

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NO.	REVISION	BY	DATE



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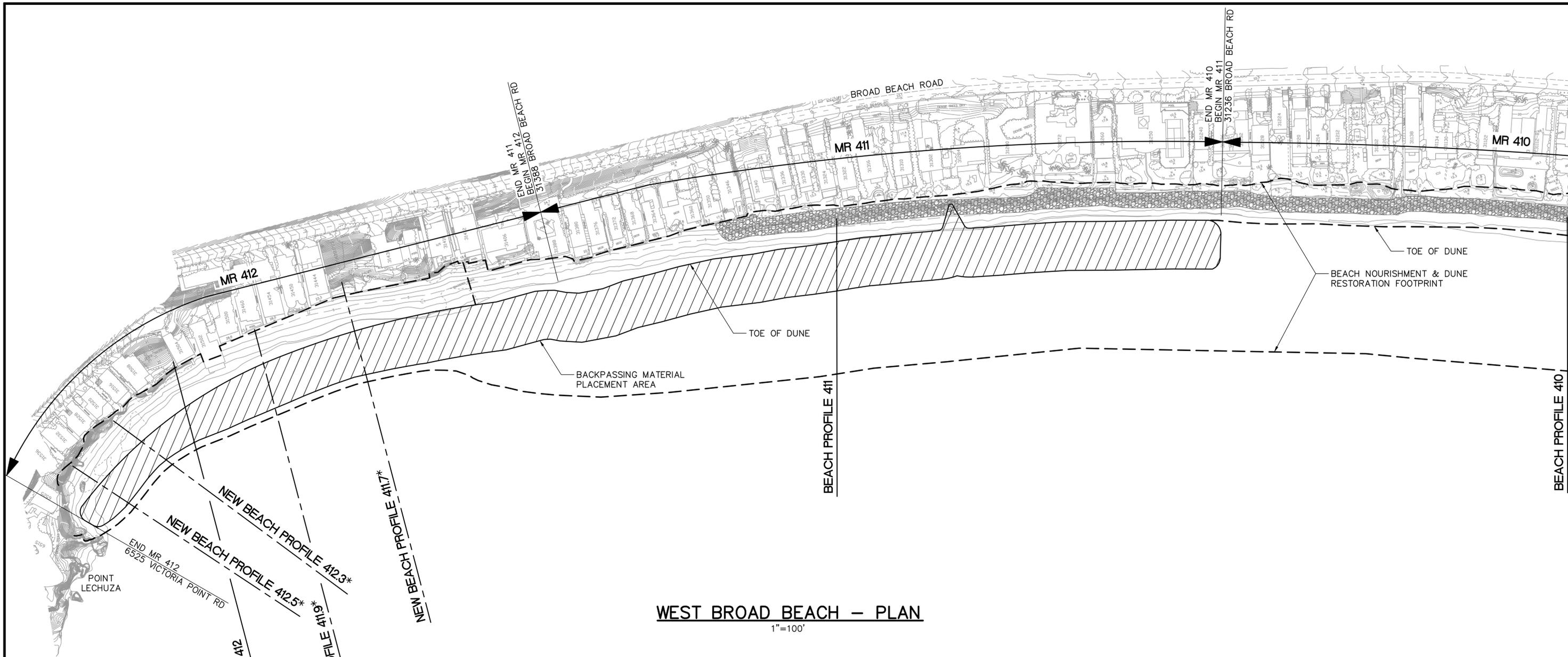
DESIGNED BY: Aaron Holloway, P.E.
DRAWN BY: S. Salazar

CHECKED BY: Chris Webb
IN CHARGE: Russell Boudreau, P.E.

BROAD BEACH RESTORATION PROJECT
California State Lands Commission

TAKE AREA AT MR 408 AND MR 409
FOR SAND BACKPASSING

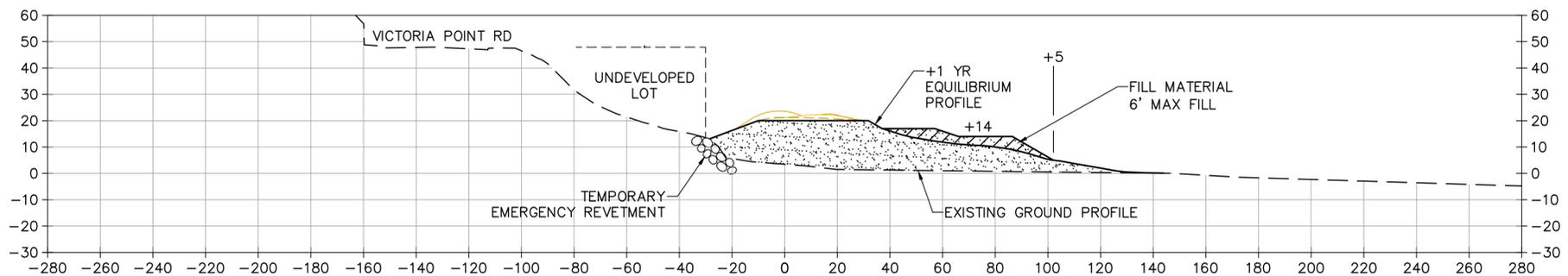
SCALE	DATE
AS NOTED	OCT. 2013
JOB NO.	6935-02
SHEET	31 OF 42
MR-2	



* NEW WEST END TRANSECTS REQUESTED BY CCC FOR BIOLOGICAL IMPACT STUDY. PROFILES FIRST SURVEYED IN SPRING 2013.

BACKPASS SCENARIO NO. 2 NOTES:

1. AVERAGE 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.

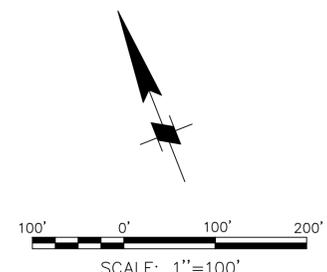


WEST BROAD BEACH - 412 PROFILE
PROPOSED BACKPASSING ACTION AT MR 411 AND MR 412 TO PLACE 35,000 CY
 1"=30'

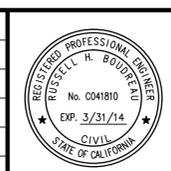
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NO.	REVISION	BY	DATE



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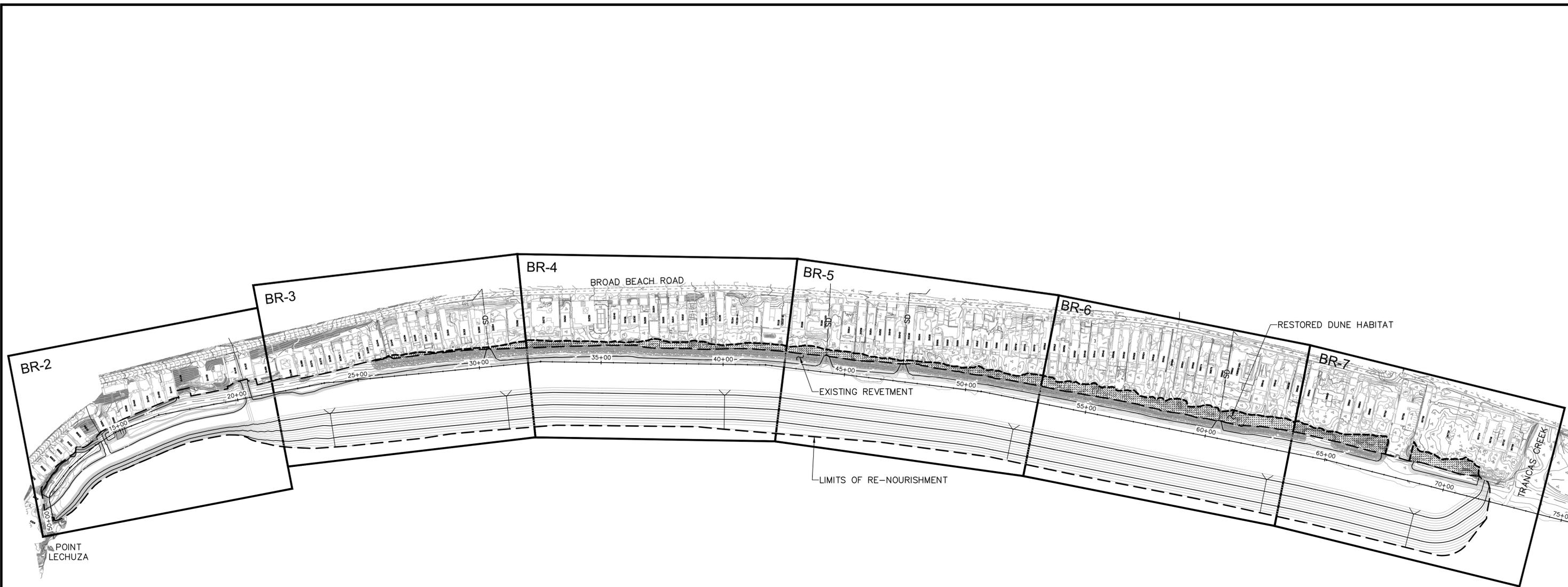
DESIGNED BY: Aaron Holloway, P.E. CHECKED BY: Chris Webb
 DRAWN BY: S. Salazar IN CHARGE: Russell Boudreau, P.E.

BROAD BEACH RESTORATION PROJECT
 California State Lands Commission

PLACEMENT AREA AT MR 411 AND MR 412 FOR SAND BACKPASSING

SCALE	DATE
AS NOTED	OCT. 2013
JOB NO.	6935-02
SHEET	32 OF 42
MR-3	

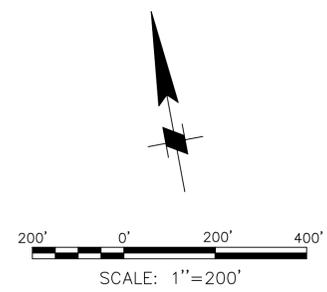
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SHEET LAYOUT PLAN
1"=200'

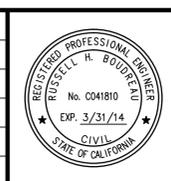
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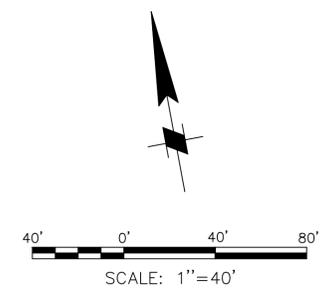
BROAD BEACH RESTORATION PROJECT
California State Lands Commission

**BEACH RE-NOURISHMENT
SHEET LAYOUT PLAN**

SCALE	DATE
1"=200'	OCT. 2013
JOB NO.	6935-02
SHEET	33 OF 42
BR-1	

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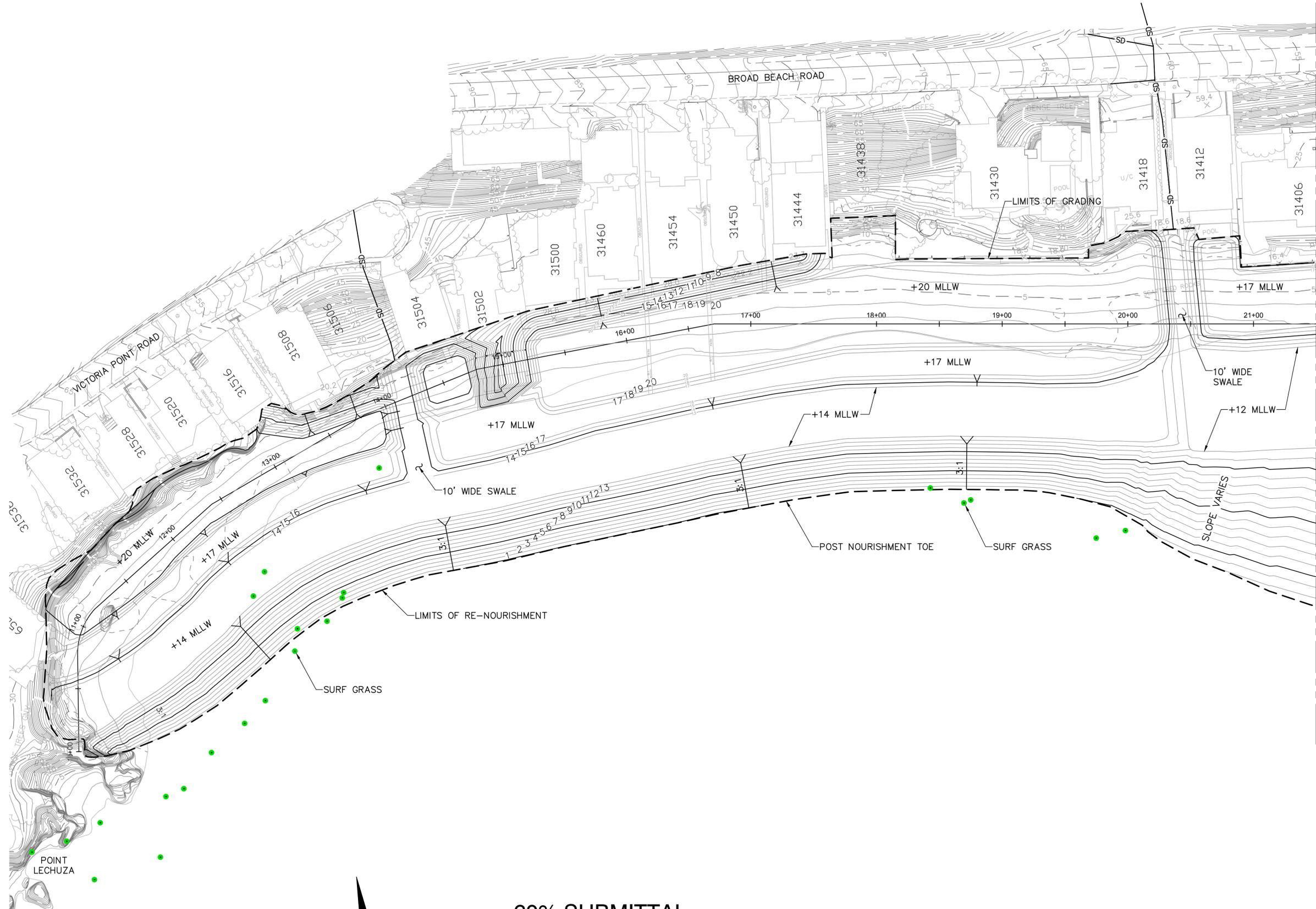
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DRAWN BY S. Salazar IN CHARGE Russell Boudreau, P.E.

BROAD BEACH RESTORATION PROJECT
California State Lands Commission

BEACH RE-NOURISHMENT PLAN
STA 10+00 TO STA 21+50

SCALE 1"=40'	DATE OCT. 2013
JOB NO. 6935-02	SHEET 34 OF 42
BR-2	



LEGEND:

- SD — EXISTING STORM DRAIN
- 5 — EXISTING CONTOUR
- 5 — PROPOSED CONTOUR
- 18+00 — STATION CONTROL LINE
- LIMITS OF RE-NOURISHMENT PROJECT

FINAL
100%
CONCEPT
STATUS



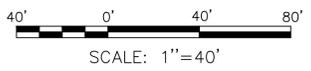
MATCH LINE SEE SHEET BR-4
STATION 32+00

MATCH LINE SEE SHEET BR-2
STATION 21+50

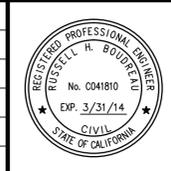
- LEGEND:**
- SD EXISTING STORM DRAIN
 - 5 EXISTING CONTOUR
 - 5 PROPOSED CONTOUR
 - EXISTING TEMPORARY REVETMENT
 - STATION CONTROL LINE
 - RESTORED DUNE HABITAT
 - LIMITS OF RE-NOURISHMENT PROJECT

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NO.	REVISION	BY	DATE



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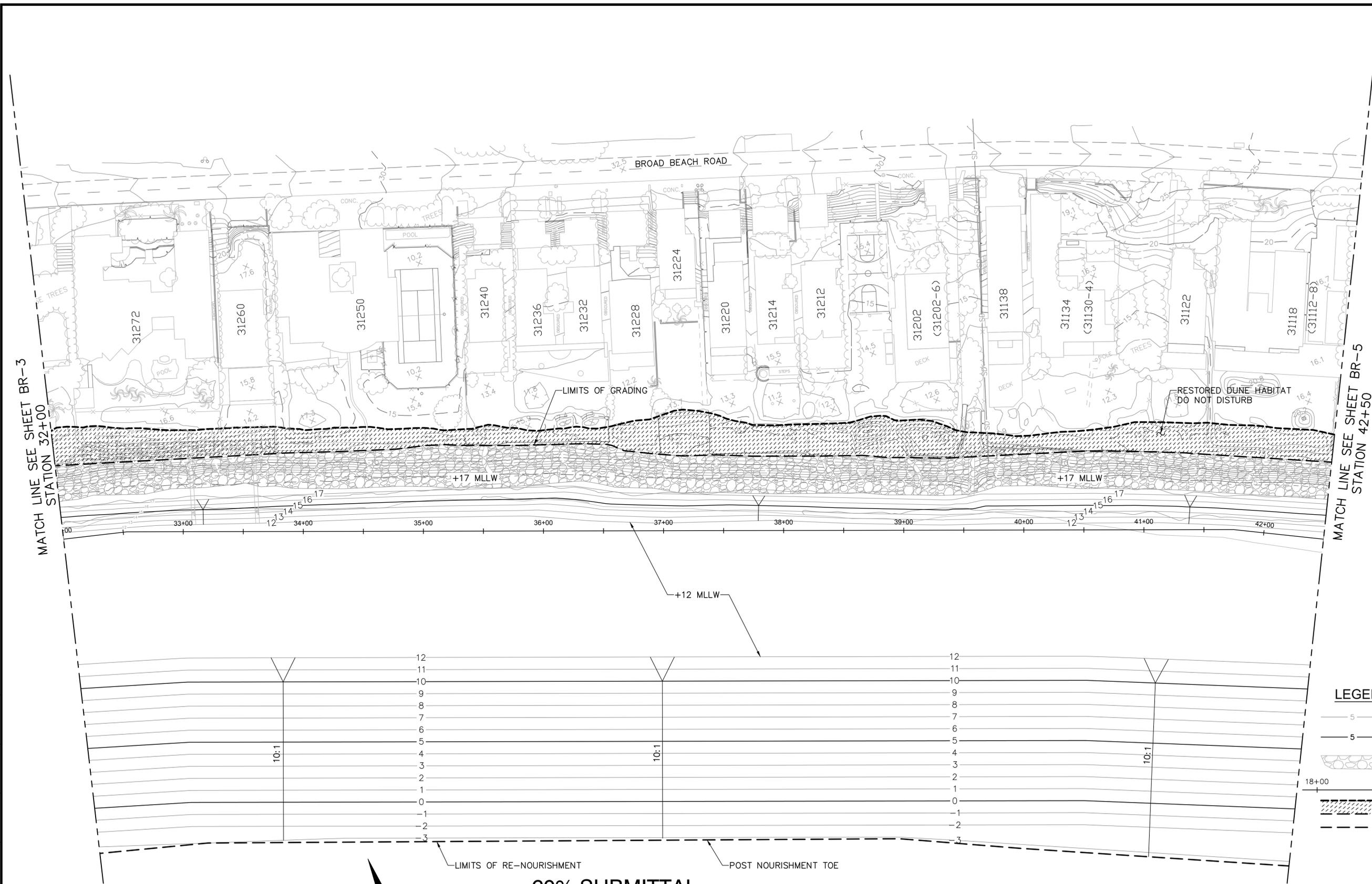
DESIGNED BY Aaron Holloway, P.E. CHECKED BY Chris Webb
DRAWN BY S. Salazar IN CHARGE Russell Boudreau, P.E.

BROAD BEACH RESTORATION PROJECT
California State Lands Commission

BEACH RE-NOURISHMENT PLAN
STA 21+50 TO STA 32+00

SCALE 1"=40'	DATE OCT. 2013
JOB NO. 6935-02	SHEET 35 OF 42
BR-3	

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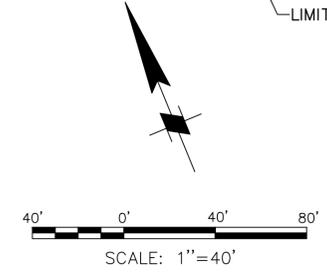
MATCH LINE SEE SHEET BR-3
STATION 32+00

MATCH LINE SEE SHEET BR-5
STATION 42+50

- LEGEND:**
- EXISTING CONTOUR
 - PROPOSED CONTOUR
 - EXISTING TEMPORARY REVETMENT
 - STATION CONTROL LINE
 - RESTORED DUNE HABITAT
 - LIMITS OF RE-NOURISHMENT PROJECT

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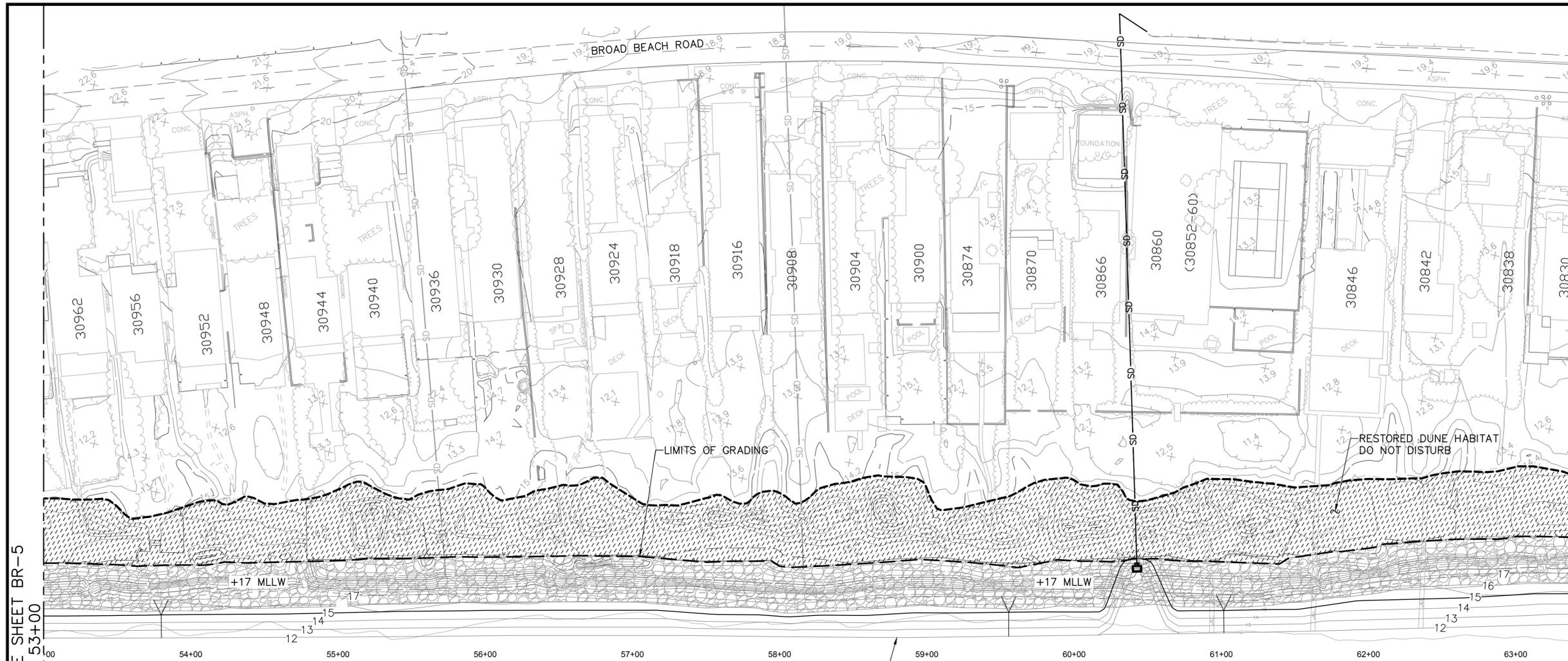
DESIGNED BY: Aaron Holloway, P.E. CHECKED BY: Chris Webb
 DRAWN BY: S. Salazar IN CHARGE: Russell Boudreau, P.E.

BROAD BEACH RESTORATION PROJECT
 California State Lands Commission

BEACH RE-NOURISHMENT PLAN
 STA32+00 TO STA 42+50

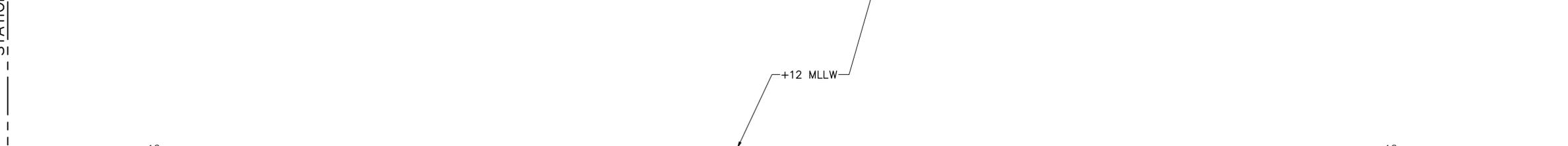
SCALE	DATE
1"=40'	OCT. 2013
JOB NO.	6935-02
SHEET	36 OF 42
BR-4	

P:\935 Broad Beach\Design Information\CADD\Active\Sheets\693502_BR-4.dwg, Oct 10, 2013 - 3:45pm



MATCH LINE SEE SHEET BR-5
STATION 53+00

MATCH LINE SEE SHEET BR-7
STATION 63+50

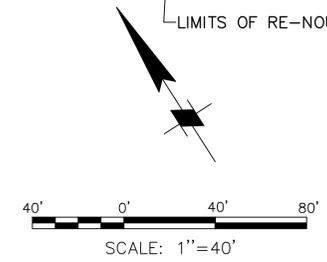


- LEGEND:**
- SD — EXISTING STORM DRAIN
 - 5 — EXISTING CONTOUR
 - 5 — PROPOSED CONTOUR
 - EXISTING TEMPORARY REVELTMENT
 - 18+00 — STATION CONTROL LINE
 - RESTORED DUNE HABITAT
 - LIMITS OF RE-NOURISHMENT PROJECT

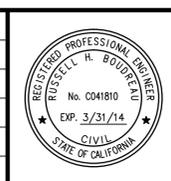
60% SUBMITTAL

FINAL	100%	CONCEPT	STATUS

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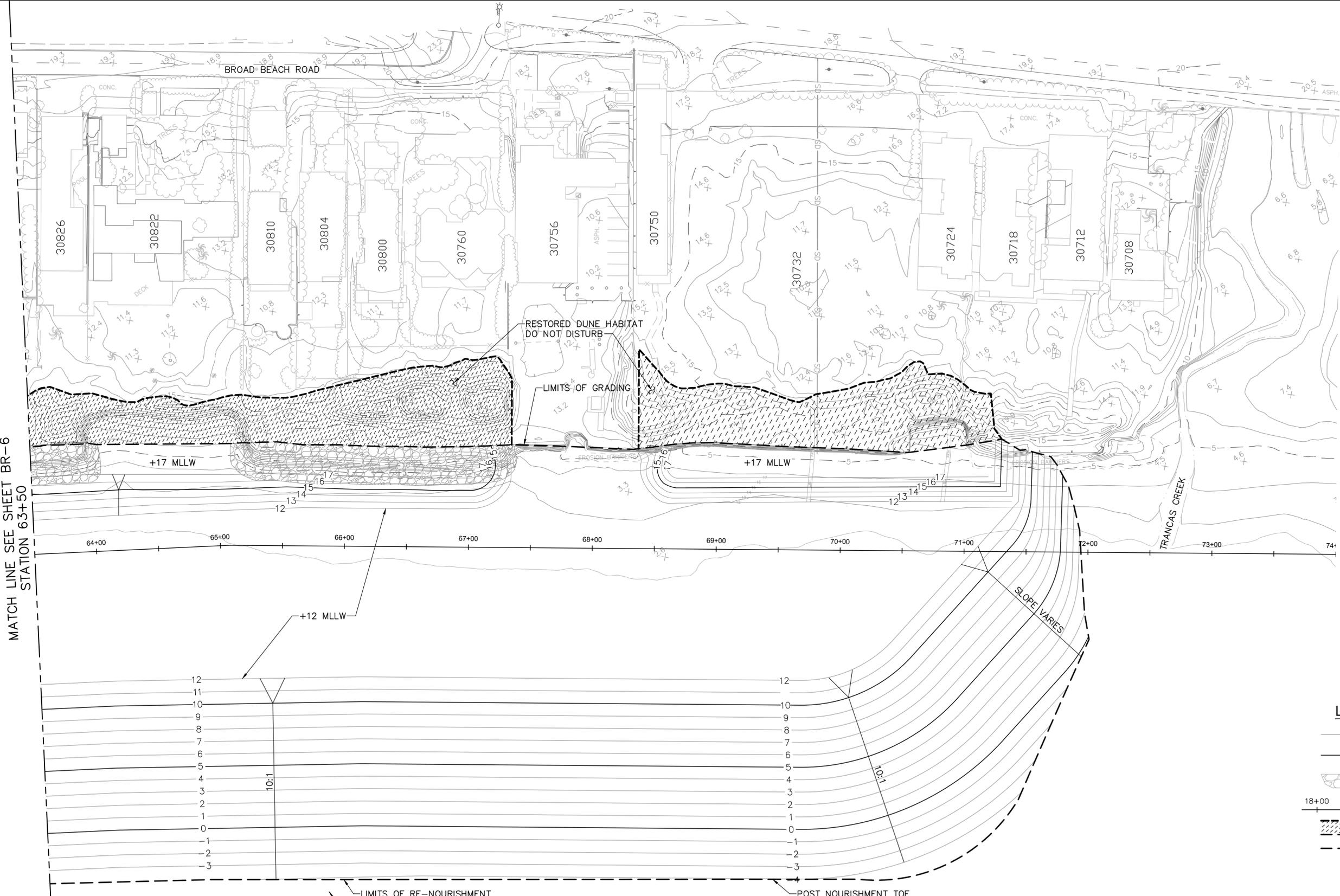
BROAD BEACH RESTORATION PROJECT
 California State Lands Commission

BEACH RE-NOURISHMENT PLAN
 STA53+00 TO STA 63+50

SCALE	DATE
1"=40'	OCT. 2013
JOB NO.	6935-02
SHEET	38 OF 42
BR-6	

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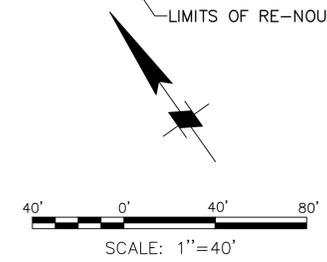
MATCH LINE SEE SHEET BR-6
STATION 63+50



- LEGEND:**
- 5 EXISTING CONTOUR
 - 5 PROPOSED CONTOUR
 - EXISTING TEMPORARY REVETMENT
 - 18+00 STATION CONTROL LINE
 - RESTORED DUNE HABITAT
 - LIMITS OF RE-NOURISHMENT PROJECT

FINAL
100%
CONCEPT
STATUS

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NO.	REVISION	BY	DATE



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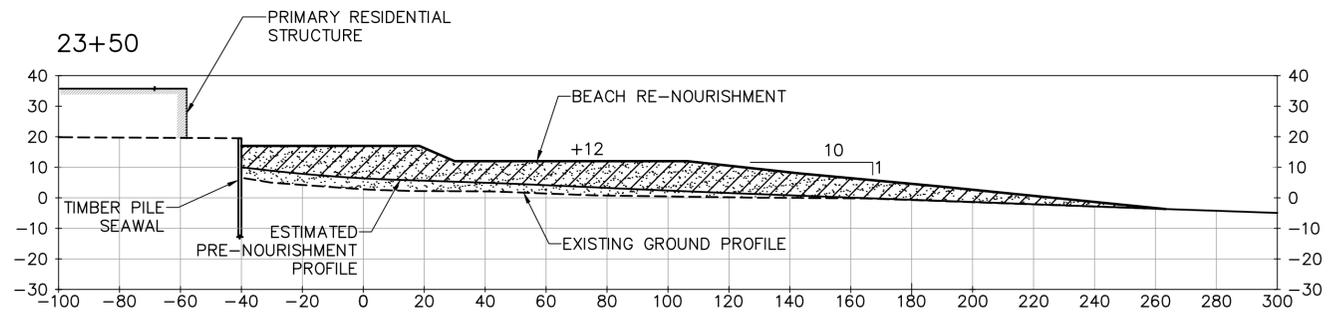
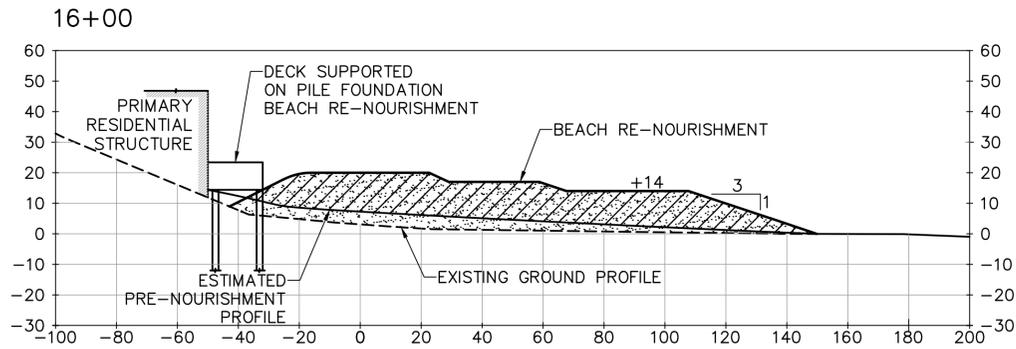
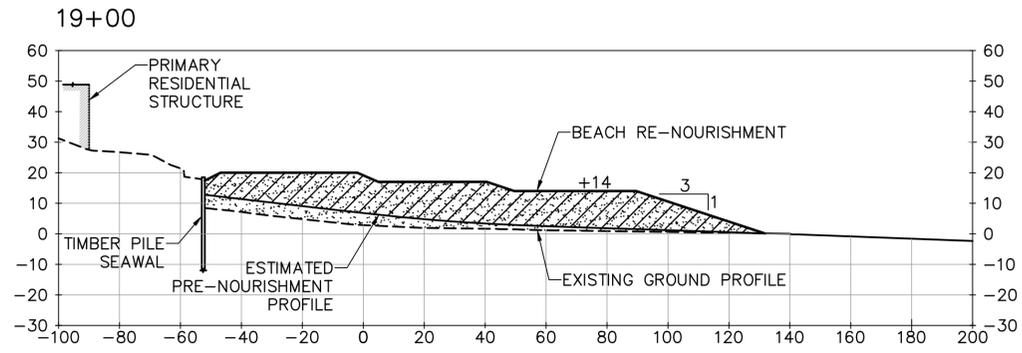
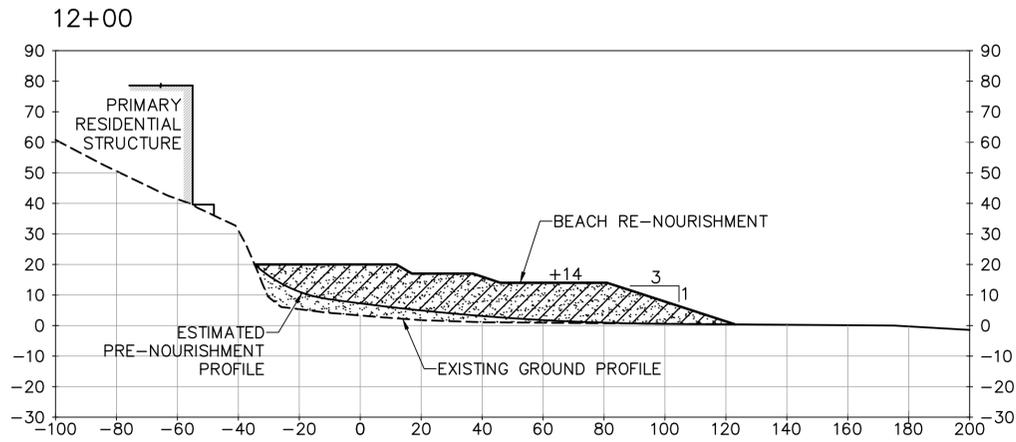
DESIGNED BY: Aaron Holloway, P.E. CHECKED BY: Chris Webb
 DRAWN BY: S. Salazar IN CHARGE: Russell Boudreau, P.E.

BROAD BEACH RESTORATION PROJECT
California State Lands Commission

BEACH RE-NOURISHMENT PLAN
STA 63+50 TO STA 74+00

SCALE	DATE
1"=40'	OCT. 2013
JOB NO.	6935-02
SHEET	39 OF 42
BR-7	

F:\935 Broad Beach\Design Information\CADD\Active SHEETS\93502_BR-7.dwg, Oct 10, 2013 - 3:45pm



LEGEND:

-  MATERIAL REMAINING FROM INITIAL NOURISHMENT
-  MAXIMUM RE-NOURISHMENT TEMPLATE
-  EXISTING GROUND PROFILE (PRE-PROJECT)
-  ESTIMATED PRE-NOURISHMENT PROFILE AT 10 YEARS

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NO.	REVISION	BY	DATE



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

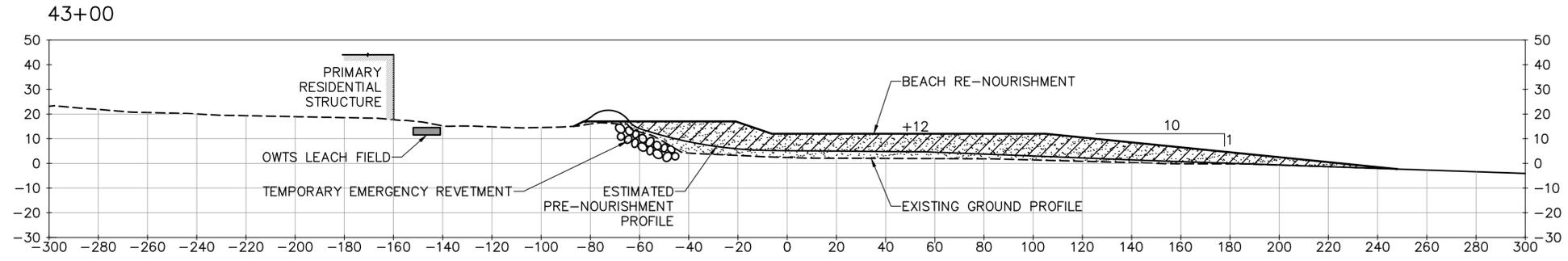
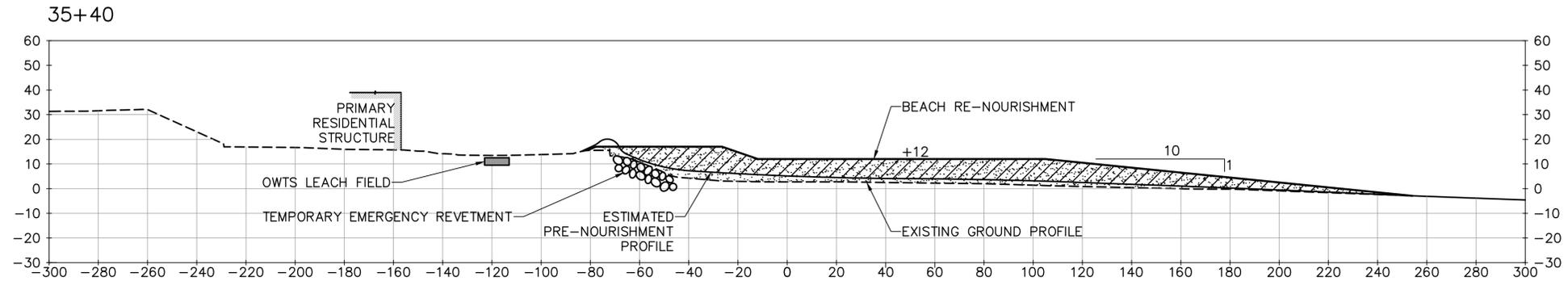
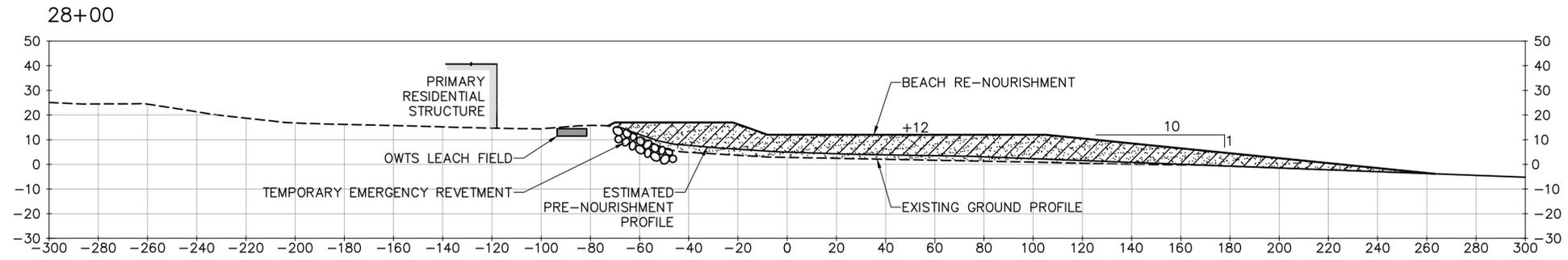
BROAD BEACH RESTORATION PROJECT
 California State Lands Commission
 TYPICAL RE-NOURISHMENT SECTIONS
 STA 12+00 TO STA 23+50

SCALE 1"=30' DATE OCT. 2013

JOB NO. 6935-02

SHEET 40 OF 42

XS-4



- LEGEND:**
-  MATERIAL REMAINING FROM INITIAL NOURISHMENT
 -  MAXIMUM RE-NOURISHMENT TEMPLATE
 -  EXISTING GROUND PROFILE (PRE-PROJECT)
 -  ESTIMATED PRE-NOURISHMENT PROFILE AT 10 YEARS

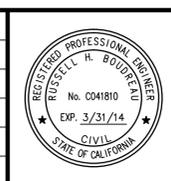
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NO.	REVISION	BY	DATE

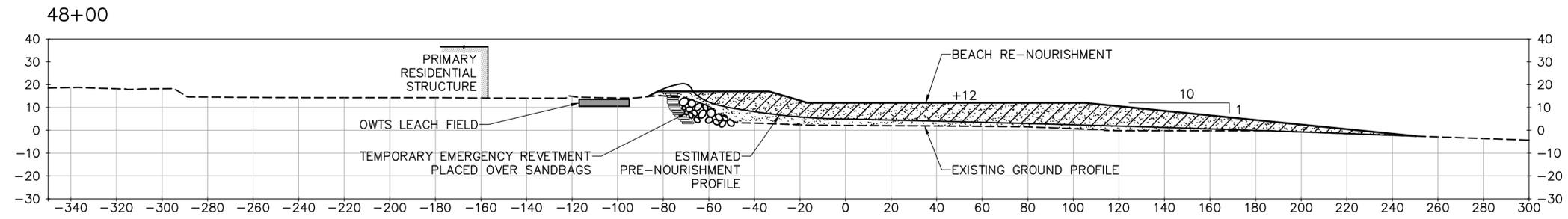



DESIGNED BY	Aaron Holloway, P.E.	CHECKED BY	Chris Webb
DRAWN BY	S. Salazar	IN CHARGE	Russell Boudreau, P.E.

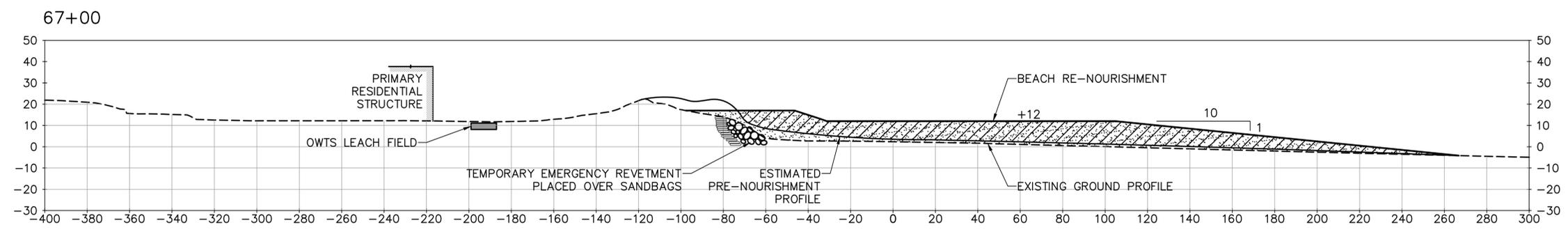
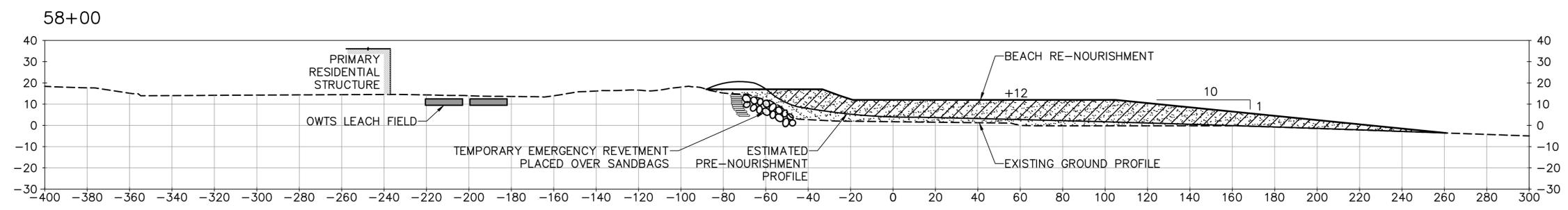
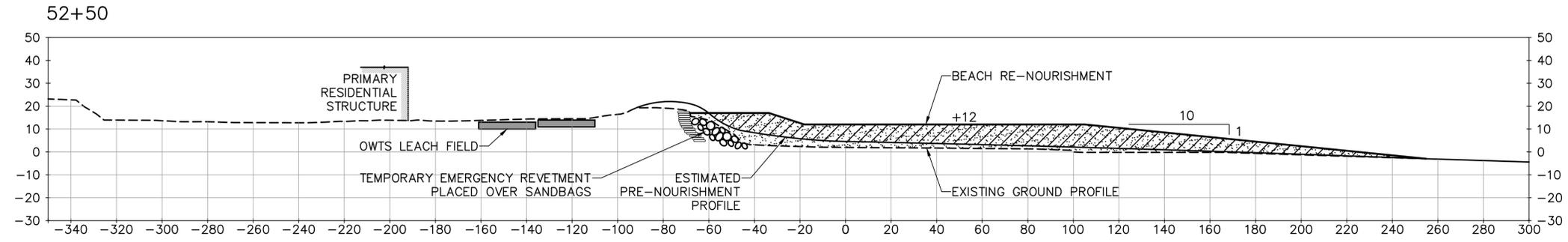
BROAD BEACH RESTORATION PROJECT
 California State Lands Commission
TYPICAL RE-NOURISHMENT SECTIONS
 STA 28+00 TO STA 43+00

SCALE	DATE
1"=30'	OCT. 2013
JOB NO.	6935-02
SHEET	41 OF 42
XS-5	

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- LEGEND:**
- MATERIAL REMAINING FROM INITIAL NOURISHMENT
 - MAXIMUM RE-NOURISHMENT TEMPLATE
 - EXISTING GROUND PROFILE (PRE-PROJECT)
 - ESTIMATED PRE-NOURISHMENT PROFILE AT 10 YEARS

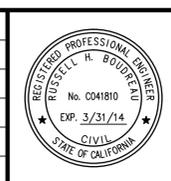


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DESIGNED BY: Aaron Holloway, P.E. CHECKED BY: Chris Webb
DRAWN BY: S. Salazar IN CHARGE: Russell Boudreau, P.E.

BROAD BEACH RESTORATION PROJECT
California State Lands Commission
**TYPICAL RE-NOURISHMENT SECTIONS
STA 48+00 TO STA 67+00**

SCALE	DATE
1"=30'	OCT. 2013
JOB NO.	6935-02
SHEET	42 OF 42
XS-6	

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