

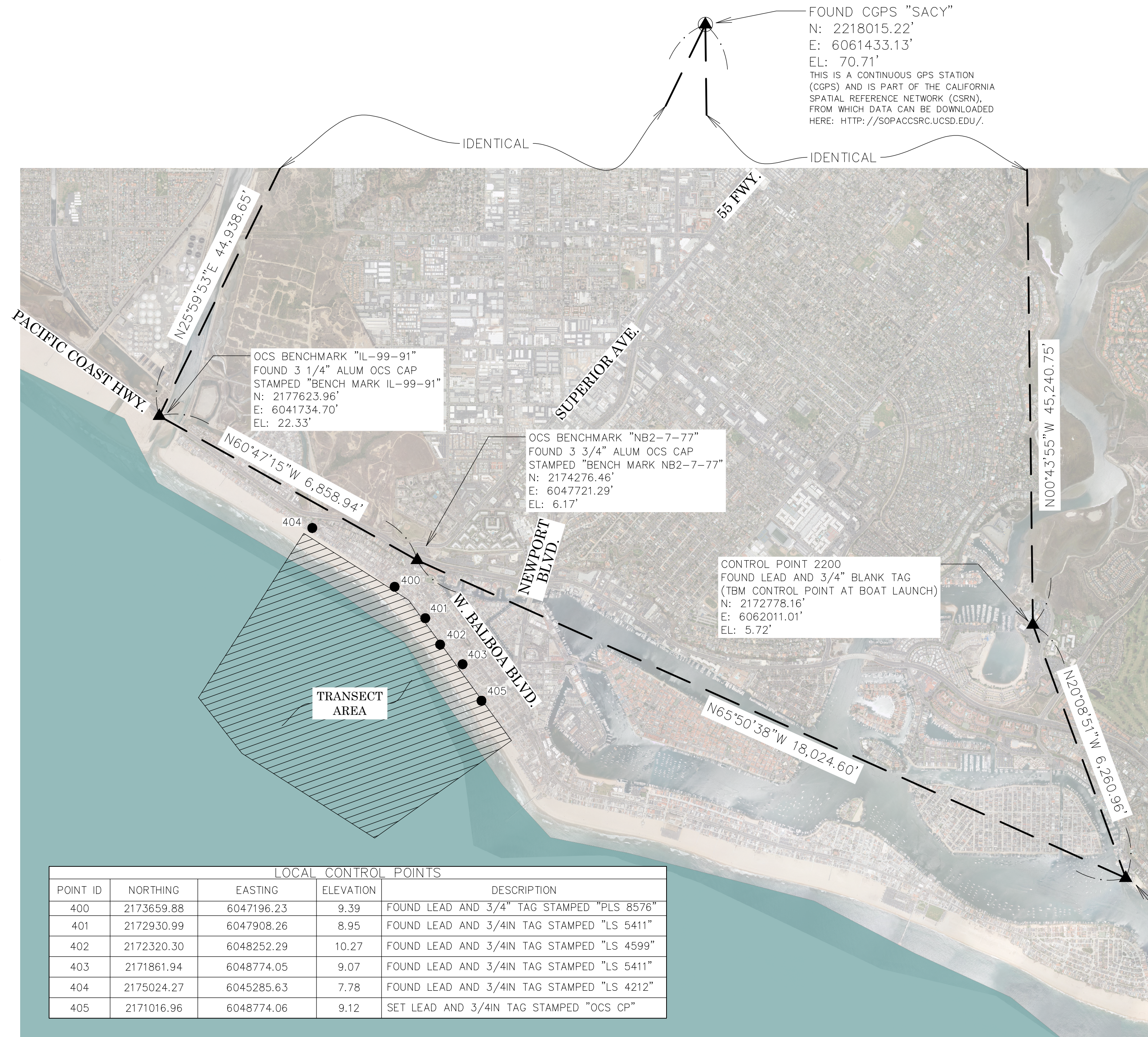


OC PUBLIC WORKS DEPARTMENT
JAMES TREADAWAY, DIRECTOR OF PUBLIC WORKS
KEVIN HILLS, COUNTY SURVEYOR



LOWER SANTA ANA RIVER SAND MANAGEMENT PROJECT

NEWPORT BEACH POST-DEPOSIT TRANSECTS



LOCAL CONTROL POINTS				
POINT ID	NORTHING	EASTING	ELEVATION	DESCRIPTION
400	2173659.88	6047196.23	9.39	FOUND LEAD AND 3/4" TAG STAMPED "PLS 8576"
401	2172930.99	6047908.26	8.95	FOUND LEAD AND 3/4IN TAG STAMPED "LS 5411"
402	2172320.30	6048252.29	10.27	FOUND LEAD AND 3/4IN TAG STAMPED "LS 4599"
403	2171861.94	6048774.05	9.07	FOUND LEAD AND 3/4IN TAG STAMPED "LS 5411"
404	2175024.27	6045285.63	7.78	FOUND LEAD AND 3/4IN TAG STAMPED "LS 4212"
405	2171016.96	6048774.06	9.12	SET LEAD AND 3/4IN TAG STAMPED "OCS CP"

BASIS OF STATIONING

- BASIS OF STATIONING PER "COAST OF CALIFORNIA STORM AND TIDAL WAVE STUDY" EXHIBIT, DRAWN BY ARMY CORPS OF ENG., PUBLIC FACILITIES & RESOURCES DEPT., GIS MAPPING UNIT, CARMEN COPIL OANCEA. PROVIDED BY OC PARKS ENGINEERING, DATED 12-07-2000.
- (SA-#S) = REFERENCED FROM NEWPORT BEACH FALL 2015 BEACH PROFILE SURVEY, PREPARED BY COASTAL FRONTIERS DOCUMENT #CFC-911C.
- THE TERM "HISTORIC TRANSECT" RELATES TO THE HISTORICAL HORIZONTAL STATIONING ONLY, AS SHOWN BY THE ABOVE DOCUMENTS.

HORIZONTAL DATUM

COORDINATES ARE BASE ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, 2007.00 EPOCH, 1983 NORTH AMERICAN DATUM, 1995 O.C.S. GPS ADJUSTMENT.

ALL DISTANCES SHOWN ARE GRID, UNLESS OTHERWISE NOTED. MULTIPLY A GRID DISTANCE BY 1.00002898 TO OBTAIN A GROUND DISTANCE.

ALL DISTANCES ARE BASED ON THE U.S. SURVEY FOOT.

VERTICAL DATUM

OCS BENCHMARK "1L-99-91" ELEVATION = 22.334'

NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD29)

OCS 1995 ADJUSTMENT, LEVELED 2005

SHEET INDEX

SHEET	NO.	DESCRIPTION
SHEET	1	TITLE SHEET
SHEET	2	ALIGNMENT SHEET
SHEETS	3-4	PROFILE SHEETS

PURPOSE OF SURVEY

THE PURPOSE OF THE SURVEY IS TO PROVIDE TOPOGRAPHIC INFORMATION FOR THESE ANNUAL TRANSECTS TO DETERMINE THE IMPACT OF THE PROJECT ON THE BEACH PROFILE AT NEWPORT BEACH GROIN FIELDS.

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
			LSAR SAND MGMNT. PROJECT NEWPORT BEACH POST-DEPOSIT TRANSECTS	
			TITLE SHEET	
4	2020	UPDATE FOR 2020	FROM: STA. 674+63 (+/- 56TH ST)	
3	2019	UPDATE FOR 2019	TO: 741+31 (+/- 26TH ST)	
2	2018	UPDATE FOR 2018	DATE OF SURVEY: JUNE 2020	
1	2017	UPDATE FOR 2017	TOPOGRAPHIC MAPPING	
0	2016	ORIGINAL SUBMISSION	OFFICE CHECK	
NO.	DATE	ITEM	FIELD CHECK	
REVISIONS			SCALE: N.T.S.	W.O. #EF21246
			FILE: LSAR_TRANSECTS_2020.DWG	

BY: RUSSO & PARTY		SHEET NO. 1 of 4
BY: A.VU		
BY: M.KUBISTY, PLS		
BY: M.RUSSO		



SEDIMENT MONITORING PROJECT

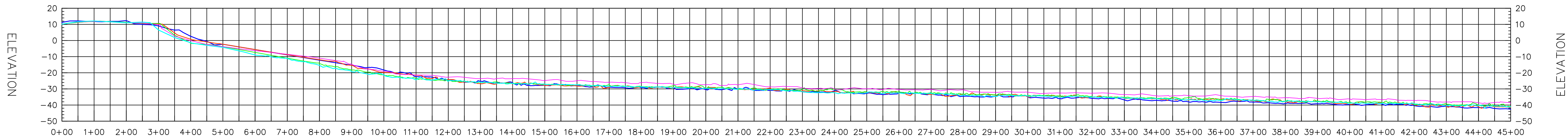
ALIGNMENT POINT TABLE		
PT #	NORTHING	EASTING
1	2174911.9	6045216.2
2	2170640.3	6042428.5
3	2173592.6	6047079.4
4	2169739.9	6042002.7
5	2172844.5	6047832.8
6	2169377.9	6043264.9
7	2172376.3	6048122.0
8	2168787.7	6043393.3
9	2171727.6	6048610.6
10	2168319.4	6044077.1
11	2171002.5	6049194.7
12	2167737.4	6044851.5
13	2170146.2	6049785.1
14	2167186.1	6045732.1



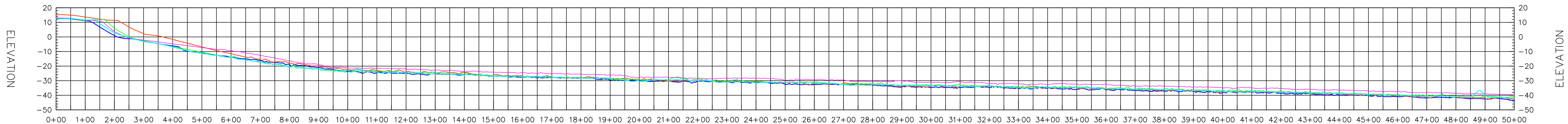
SCALE 1"= 400'

U.S. Survey
Foot
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

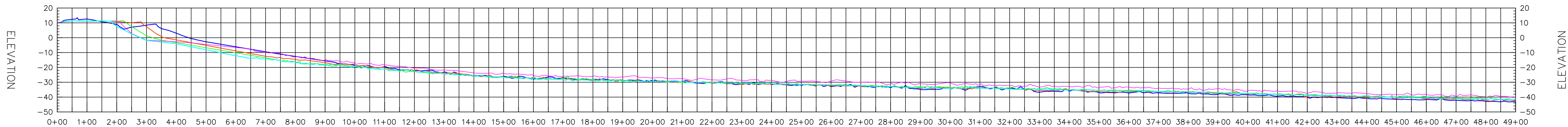
COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
LSAR SAND MGMNT. PROJECT NEWPORT BEACH POST-DEPOSIT TRANSECTS			
TOPOGRAPHIC MAP			
FROM: STA. 674+63 (+/- 56TH ST)			
TO: 741+31 (+/- 26TH ST)			
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NO.	DATE	ITEM	FIELD CHECK
REVISIONS		SCALE: 1" = 400'	W.O. #EF21246
		FILE: LSAR_TRANSECTS_2020.DWG	FILE NO. 2021PW-IN0001



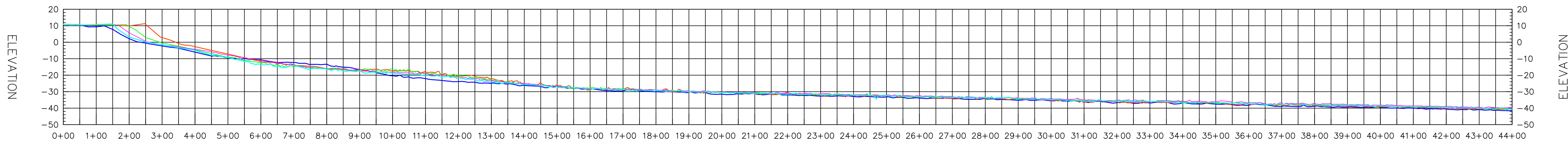
Alignment Sta. 674+63
0+00.00 to 45+00



Alignment Sta. 697+47
0+00.00 to 50+00



Alignment Sta. 708+01
0+00.00 to 49+00



Alignment Sta. 713+49
0+00.00 to 44+00

PROFILE LEGEND	
POST-DEPOSIT TRANSECTS (06/20)	
POST-DEPOSIT TRANSECTS (06/19)	
POST-DEPOSIT TRANSECTS (08/18)	
POST-DEPOSIT TRANSECTS (07/17)	
PRE-DEPOSIT TRANSECTS (09/16)	
(TRANSECTS 674+63 & 708+01 ADDED 02/17)	

BASIS OF STATIONING

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OCS 1995 ADJUSTMENT, LEVELED 2005

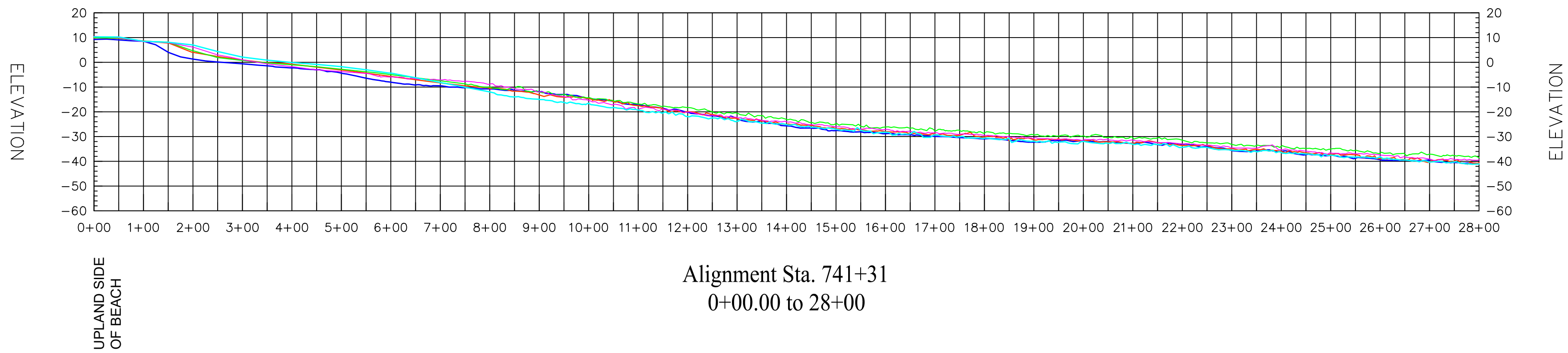
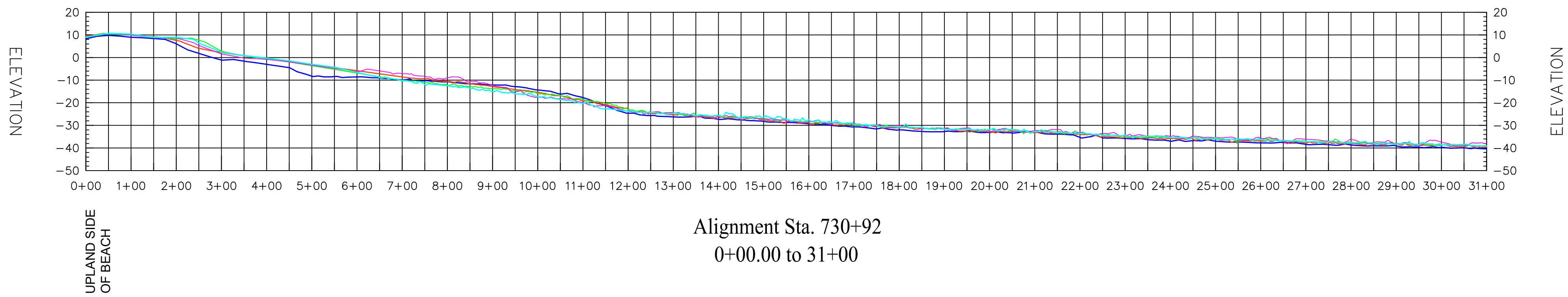
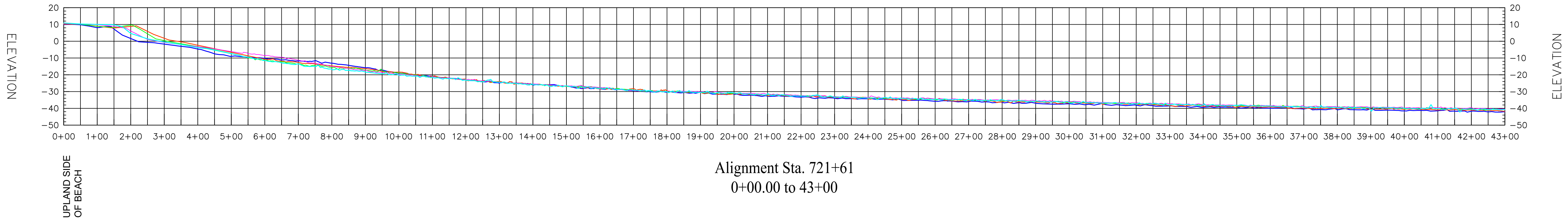
U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

COUNTY OF ORANGE
OC PUBLIC WORKS
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

**LSAR SAND MGMNT. PROJECT
NEWPORT BEACH POST-DEPOSIT TRANSECTS**

TOPOGRAPHIC MAP			SHEET NO.	
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POST-DEPOSIT TRANSECTS (06/19)	—
POST-DEPOSIT TRANSECTS (08/18)	—
POST-DEPOSIT TRANSECTS (07/17)	—
PRE-DEPOSIT TRANSECTS (09/16)	—
(TRANSECTS 674+63 & 708+01 ADDED 02/17)	

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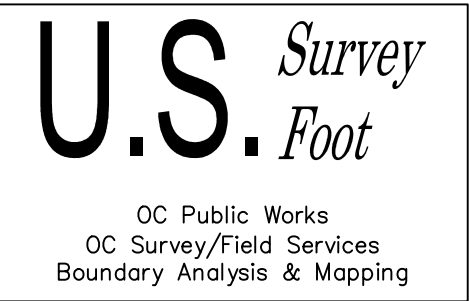
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