

JOB NUMBER J53201
PROJECT ID N/A

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVENUE
ALHAMBRA, CA. 91803

LARIAC Ground Control

SURVEY LIMITS North County, City of LA, West County, Malibu, and near Unincorporated Territory

DESCRIPTION OF WORK Areas near Saticoy Yard

Establish NAD83 (2011) coordinates on survey centerline monuments

REFERENCE DATA

G25-023



11/25/25

October 2025 - November 2025
R.CACERES SPC1
M.DORROH SPC1
V.LANGSFELD ST1
A.MONCAYO ST1
J.RETA-ZUNIGA ST1
J.LEMUS ST1
R.DURAN ST1
S.FOSTER ST1

REMARKS HORIZONTAL DATUM: NAD 83', CA, ZONE 5, EPOCH 2025.00, PER G25-023
POINTS ESTABLISHED BY SINGLE BASELINE SOLUTION FROM (CRTN) STATION & FAST STATIC OBSERVATIONS
Based upon a minimally constrained, least squares adjustment of the survey measurements, the CCS83 coordinates and
geodetic control data shown hereon meet or exceed the 5-centimeter local and network accuracy horizontally and the 1
decimeter local and network accuracy vertically at the 95-percent confidence interval as listed in the spatial accuracy standards
published by the Federal Geographic Data Committee (FGDC), in Part 2: Standards for Geodetic Networks, FGDC-STD-007.2-
1998.

Network Map No. G25-023

PG.1/1

Surveyor: R. Caceres & M. Dorroh

10/27, 11/7, 11/18, & 11/19/2025

Project Name: LARIAC GROUND CONTROL

PCA No.: J53201

Station Name	NAD83 (2011) Epoch 2025.00			GEOID: 18 (Conus)			CCS83 Zone 5			Fixed	Reference
	Latitude (NAD83)	Longitude (NAD83)	Ellipsoid (h) Hgt. (m)	Northing (us ft)	Easting (us ft)	Ellipsoid (h) Hgt. (us ft)	GEOID (N) Hgt. (us ft)	Elevation (H) Hgt. (us ft)			
51001	34°19'01.27787"	-118°20'28.63305"	449.51	1,937,927.194	6,458,614.054	1,474.78	-109.12	1,583.90			
51002	34°17'53.74982"	-118°21'06.76832"	375.95	1,931,111.955	6,455,391.542	1,233.44	-109.93	1,343.37			
51003	34°18'23.69170"	-118°22'30.97799"	491.51	1,934,164.267	6,448,338.131	1,612.57	-110.15	1,722.72			
52015	34°27'29.21505"	-118°19'50.17411"	599.04	1,989,262.929	6,462,008.698	1,965.35	-106.53	2,071.88			
52020	34°27'03.16692"	-118°12'06.01041"	764.88	1,986,526.843	6,500,869.602	2,509.43	-104.98	2,614.41			
52048	34°36'35.84860"	-118°26'29.82377"	766.13	2,044,650.124	6,428,787.425	2,513.55	-105.74	2,619.29			
52049	34°34'49.36538"	-118°27'32.92546"	595.36	2,033,909.412	6,423,464.181	1,953.28	-106.28	2,059.56			
52050	34°33'49.50449"	-118°29'00.58123"	531.79	2,027,892.488	6,416,106.157	1,744.72	-106.78	1,851.50			
52051	34°34'35.15053"	-118°40'16.38195"	832.08	2,032,831.377	6,359,622.146	2,729.92	-104.79	2,837.99			
52052	34°33'07.64572"	-118°30'29.79695"	505.90	2,023,697.837	6,408,623.931	1,659.77	-104.20	1,767.08			
52053	34°28'53.85440"	-118°32'29.87295"	368.20	1,998,094.944	6,398,442.721	1,208.00	-103.62	1,317.68			
57001	34°31'32.42584"	-118°34'28.58524"	558.92	2,014,179.796	6,388,597.051	1,833.72	-108.87	1,942.59			
57002	34°33'32.66140"	-118°33'27.42660"	685.19	2,026,305.410	6,393,781.305	2,248.01	-107.75	2,355.76			
Continuously Operating Reference Station											
CSN1	34°15'12.78207"	-118°31'25.68903"	262.097	1,915,066.375	6,403,382.985	859.90			L,L,H	CSRC/FAST STATIC	
DAM2	34°20'05.40830"	-118°23'48.67713"	584.091	1,944,471.604	6,441,860.867	1,916.31			L,L,H	CSRC/FAST STATIC	
P555	34°41'41.96343"	-118°40'09.88344"	1,096.646	2,075,973.805	6,360,452.852	3,597.91			L,L,H	CSRC/FAST STATIC	
SKYB	34°26'19.04510"	-118°28'43.03051"	520.901	1,982,349.185	6,417,357.042	1,708.99			L,L,H	CSRC/FAST STATIC	
WMAP	34°15'33.92790"	-118°24'51.41423"	268.761	1,917,049.522	6,436,486.789	881.76			L,L,H	CSRC/FAST STATIC	



Convergence and Combined Factor calculated at mean position between:
51002 and 52048

Station Name	Northing - Midpoint (us ft)	Easting - Midpoint (us ft)	Ellipsoid (h) Hgt. (us ft)
51002	1987881.04	6442089.48	1873.50
52048			
Convergence (dms):			-0°13'33.9"
Combined Scale Factor:			0.999849524
Average GEOID Ht.:			-107.831

CORS Sigma

Station Identifier	Lat 2 Sigma (us ft)	Lon 2 Sigma (us ft)	Hgt 2 Sigma (us ft)	Station Name
CSN1	0.003	0.002	0.009	CSU Northridge
DAM2	0.004	0.005	0.012	Pacoima Dam 2
P555	0.002	0.002	0.006	CastaicCrkCS2008
SKYB	0.003	0.003	0.008	SKYB_SCGN_CS1999
WMAP	0.026	0.026	0.049	Whiteman Airport