



**BASIS OF HORIZONTAL AND VERTICAL CONTROL:**

**(1) HORIZONTAL DATUM & REFERENCE SYSTEM:**  
THE HORIZONTAL DATUM IS BASED ON THE "NORTH AMERICAN DATUM OF 1983 (1992) EPOCH 1991.35 ADJUSTMENT REFERENCED TO THE HPGN NETWORK AND THE HPGN MONUMENT AB7677 PUBLISHED BY THE NATIONAL GEODETIC SURVEY.

STATION	LATITUDE	LONGITUDE	ELLIPSOID HT	ORTHOMETRIC HT
AB7677	37-44-00.31877	122-29-49.01603	8.940 meters	23.761 meters

COORDINATES ARE CALIFORNIA STATE PLANE ZONE III GRID COORDINATES IN US SURVEY FEET. DIMENSIONS SHOWN HEREON ARE GRID AND DISTANCES SHOULD BE DIVIDED BY THE AVERAGE COMBINED GRID FACTOR OF 0.99992098 TO OBTAIN GROUND DISTANCES. BEARING SHOULD BE ROTATED BY THE AVERAGE CONVERGENCE ANGLE TO OBTAIN GEODETIC NORTH BEARINGS. AB7677 IS ALSO KNOWN AS POINT 202 SHOWN ON THAT RECORD OF SURVEY RECORDED IN BOOK EE, PAGE 147-157 SFCR.

**(2) VERTICAL DATUM & REFERENCE SYSTEM:**  
THE VERTICAL DATUM IS THE "CCSF 2013 NAVD88 VERTICAL DATUM" (NAVD88 AS RECOVERED IN 2013 BY CCSF) REFERENCED BY THE CCSF 2013 LEVELING NETWORKS SHOWN HEREON. HEIGHTS ARE IN FEET.

**BASIS OF ELEVATION**  
BASIS OF ELEVATION IS A SURVEY MONUMENT IN SIDEWALK LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF JUNIPERO SERRA BOULEVARD AND 19TH AVENUE. ELEVATION = 227.28 FEET NAVD88 VERTICAL DATUM. TO CONVERT TO SAN FRANCISCO DATUM, SUBTRACT 11.32 FEET FROM THE NAVD88 ELEVATIONS SHOWN HEREON.

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	550.000	382.425	N16° 01' 56.28"W	(2090503.53,5990502.25)	(2090863.72,5990398.75)
C2	550.000	55.370	N01° 00' 10.83"E	(2094026.87,5990613.67)	(2094082.21,5990614.64)
C3	500.000	16.985	N02° 51' 15.22"W	(2105207.06,5990249.27)	(2105224.03,5990248.43)
C4	550.000	17.767	N02° 54' 07.05"W	(2106126.58,5990188.05)	(2106144.33,5990187.15)

PLAN APPROVAL DATE	CONTRACT No.	PROJECT ID	DISTRICT	COUNTY	ROUTE	POST MILES TOTAL PROJECT
	04-0G3501	0400000325	04	SF	1	R0.94/4.05

DESIGNED: J.MUNOZ	DATE: 12/15/19	
DRAWN: J.MUNOZ	DATE: 11/19	
CHECKED: C.YU	DATE: 12/19	
SCALE: 1" = 200'	SHEET OF SHEETS: 8 OF 356	

19TH AVENUE (STATE ROUTE 1) COMBINED CITY PROJECT		CONTRACT ID. 1000005832
PROJECT CONTROL LINE DATA		DRAWING NO. PC-1
		FILE NO. 111,305
		REV. NO.

REFERENCE INFORMATION & FILE NO. OF SURVEYS				BUREAU OF ENGINEERING CITY & COUNTY OF SAN FRANCISCO SAN FRANCISCO PUBLIC WORKS 30 VAN NESS AVENUE, 5TH FLOOR SAN FRANCISCO, CA 94102 - 6028
BSM JOB NO: 2015-32 TOPO DATE: 05/04/2015 ISSUE DATE: 02/12/2016				
TABLE OF REVISIONS		Acting Section Mgr: ERIC KJELSBERG Deputy Bureau Mgr: FERNANDO CISNEROS Acting Bureau Mgr: IQBAL DHAPA		
NO.	DATE	DESCRIPTION	BY	APP.
THIS DRAWING WAS LAST MODIFIED: 11/04/19 09:52; By: jmunoz				

Xrefs: P:\15045\_19th Avenue Curb Ramps\3\_Dwg\Xrefs\X-CS-2652-INDX-DPW0.dwg  
P:\15045\_19th Avenue Curb Ramps\3\_Dwg\X-CS-2652-19A01.dwg  
V:\2652\_19th Avenue Combined City Project\2\_Design\Working Drawings\ESH\Current\Base Files\2652\_BASE LINE WORK.dwg  
V:\2652\_19th Avenue Combined City Project\Official Project TRS\DF1 TRD.dwg

Model Units: Feet  
Measurement Units are English

Drawing Path: V:\2652\_19th Avenue Combined City Project\2\_Design\Working Drawings\ESH\Current\Base Files\2652\_BASE LINE WORK.dwg  
Plot Time: Thu, 12 Dec 2019 - 1:22pm