

Quality Control Report

Job Name:	Quivira Basin, Mission Bay, San Diego, CA.
Date:	4/24/2016 & and additional in Year 2017
Distance Units:	US Survey Ft.

Equipment Used			
Instrument/Receiver	Serial Number	Model	Firmware Version
CHC		X91	
Carlson		Brx5	
Sokkia		530R3	
Topcon		Auto Level	
GeoMax		Robotic	

Base Points Used (See Map)				
Base Point	Latitude	Longitude	Height	Date/Time
CORS P475	32 39 59.011	117 14 38.117	N/A	4/3/2016
CORS SIO5	32 50 26.632	117 14 58.834	N/A	4/3/2016
CORS P472	32 53 21.139	117 06 16.854	N/A	4/3/2016
CORS PIN1	33 36 43.749	116 27 29.330	N/A	4/3/2016
CORS P474	33 21 18.680	117 14 55.242	N/A	4/3/2016
CORS SBCC	33 33 10.788	117 39 41.302	N/A	4/3/2016
CORS P473	32 44 01.580	116 56 58.206	N/A	4/3/2016
E1415 ('B' ORDER)	32 46 16.238	117 12 18.862	21.58	4/3/2016

Control Points with precisions exceeding limits (Horizontal: 0.328' Vertical: 0.656')				
Point Name	Horizontal Precision	Vertical Precision		
N/A	N/A	N/A		

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Duplicate Points								
Point Name	Code	North	ΔN	East	ΔE	Elevation	AEI	Date/Time
1	Control	1857259.65	0.11	6258289.19	-0.07	15.76'	CONV.	6/28/2015 OPUS
1	Control	1857259.76		6258289.12				11/28/2014 OPUS
Mean		1857259.71		6258289.16		15.76		
* STARNET ADJUST *		1857259.69		6258289.14		15.76		4/23/2016
2	Control	1857349.03	0.07	6258275.64	-0.01	14.46	CONV.	7/27/2014 OPUS
2	Control	1857349.10		6258275.63				6/28/2015 OPUS
Mean		1857349.07		6258275.64		14.46		
* STARNET ADJUST *		1857349.09		6258275.64		14.46		4/23/2016
3	Control	1857445.96	-0.01	6258918.25	-0.19	13.37	CONV.	6/28/2015 OPUS
3	Control	1857445.95		6258918.06				7/27/2014 OPUS
Mean		1857445.96		6258918.16		13.37		
* STARNET ADJUST *		1857446.06		6258918.22		13.37		4/23/2016
4	Control	1857356.67	-0.02	6258931.67	0.06	16.72	CONV.	11/28/2014 OPUS
4	Control	1857356.65		6258931.73				6/28/2015 OPUS
Mean		1857356.66		6258931.70		16.72		
* STARNET ADJUST *		1857356.64		6258931.73		16.72		4/23/2016
200	Control	1857296.08	0.05	6258485.80	0.00	16.44	CONV.	4/3/2016 OPUS
200	Control	1857296.13		6258485.80				3/7/2016 OPUS
Mean		1857296.09		6258485.80		16.44		
* STARNET ADJUST *		1857296.09		6258485.79		16.44		4/23/2016

Note: * STARNET ADJUSTMENTS * ALSO INCLUDES CLASSICAL CONVENTIONAL TRAVERSE / SURVEY DATA.