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Data Response Set 1 - Appendix A

DR GEO-1 Geotechnical Engineering Report - Volume II

Darden Solar Facility

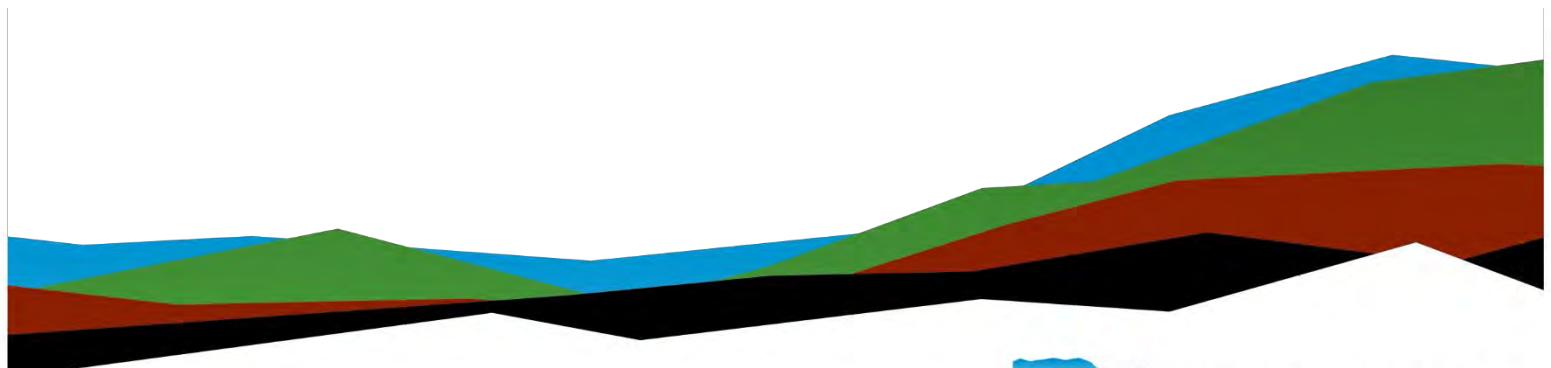
Preliminary Geotechnical Engineering
Report

Volume II

October 13, 2023 | Terracon Project No. 60225172

Prepared for:

IP Darden I, LLC



Nationwide

Terracon.com

- Facilities
- Environmental
- Geotechnical
- Materials

Pile Load Test Results

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Pile Load Testing

The pile load testing was performed in general accordance with ASTM D3689 Test Methods for Deep Foundations under Static Axial Tensile Load, ASTM D3966 Test Methods for Deep Foundations under Lateral Load, and ASTM D 1143, Standard Test Method for Deep Foundations under Static Axial Compressive Load.

Testing Under Axial Tensile ("pull-out") Load

We performed testing under axial tensile load for the piles at each location using the procedures generally outlined below.

Two (2) piles at each PLT location, were tested under axial tensile ("pull-out") load. The test piles with the designations "A" and "B" were tested under axial tensile load.

Terracon's proprietary tripod system was used to develop the vertical tension reaction. A locking "E" - plate clamp was used to grip the top of the web for the tension tests. A load cell was used to record the applied load, and deflections were recorded using a pair of calibrated indicators (dial or digital) secured to each flange of the test pile with magnetic mounting brackets. The indicators rested on reference beams supported at least five feet from the pile. Terracon applied loads in approximately 500-lb. increments up to 7,000 lbs. (our equipment's maximum safe working load) or to the target failure criteria (0.75-inch). Yield deflection was recorded at 0.25-inch. Terracon recorded deflections after the load was brought back to zero from the target load.

Deflections were recorded using a pair of displacement indicators secured to either side of the test pile flange with a magnetic mounting bracket. The needle of each indicator rested on a reference beam supported at each end with wood and/or masonry blocks at the surface.

Testing Under Lateral Load

After testing under axial tensile load, the piles at each location were then tested under lateral load as described below.

Two (2) piles at each PLT location, were tested under lateral load. The test piles with the designations "A" and "B" were tested under lateral load.

Each pair of test piles was connected using a system of appropriately rated shackles and chain to allow each pile to effectively serve as a reaction for the other. Simultaneous load displacement testing across the strong axis was performed for each pair of piles. The test procedure is generally outlined in the following paragraphs.

A chain system was connected to the test piles using a flange clamp. The load was recorded using a load cell or equivalent and applied with a hydraulic pull cylinder or chain

fall in cyclical increments of 500 pounds. The loads were applied in 500-pound increments and cycled such that six (6) cycles of loading occurred if the maximum lateral load of 7,000 pounds. was obtained during the test. The test was unloaded, and the test ended after the conclusion of the test load schedule or after the pile reached $\frac{1}{2}$ -inch of lateral displacement measured at 6 inches above the ground surface. Displacement indicators and reference beams supported at each end with wood blocks was used to measure deflection.

The lateral load were applied at a height of 24 inches above the ground surface (AGS).

Testing Under Axial Compressive Load

One (1) pile at each location was tested under axial compressive load. Please note that test piles with the designation "C" were tested under axial compressive load.

The load reaction was developed with heavy equipment such as an excavator located an appropriate distance from the test pile. The load was recorded using a pancake-type load cell and applied with a hydraulic cylinder in increments of 500 pounds up to a maximum of 13,000 pounds. Displacement indicators and reference beams consisting of long square tube sections supported at each end with wood blocks were used to measure deflection. The test was unloaded, and the test ended after the conclusion of the test load schedule or after the pile reaches $\frac{3}{4}$ -inch of axial displacement. Terracon recorded deflections after the load was brought back to zero from the target load. Yield deflection was recorded at 0.25-inch.

Lateral Test Results



Lateral Load							
	Pile No.	Pile Type	Target Embedment Depth, ft	Pile Drive Time, sec	Yield Deflection, in ¹	Load Application Height, in above grade	
PLT-1	A	W6x9	5	8	0.50	24	3,000
	B	W6x9	8	24	0.50	24	2,000
PLT-2	A	W6x9	6	20	0.50**	24	3,250
	B	W6x9	9	57	0.52	24	3,500
PLT-3	A	W6x9	7	40	0.50**	24	3,200
	B	W6x9	10	120	0.50**	24	3,400
PLT-4	A	W6x9	5	7	0.50**	24	1,600
	B	W6x9	8	15	0.50	24	3,000
PLT-5	A	W6x9	6	14	0.51	24	2,500
	B	W6x9	9	47	0.50	24	3,500
PLT-6	A	W6x9	7	22	0.50**	24	2,800
	B	W6x9	10	40	0.51	24	3,500
PLT-7	A	W6x9	7	11	0.50**	24	1,250
	B	W6x9	10	26	0.51	24	2,500
PLT-8	A	W6x9	6	43	0.52	24	2,500
	B	W6x9	9	34	0.50	24	2,500
PLT-9	A	W6x9	6	43	0.51	24	3,500
	B	W6x9	10	79	0.50	24	3,500
PLT-10	A	W6x9	5	12	0.50	24	2,000
	B	W6x9	8	29	0.51	24	3,500
PLT-11	A	W6x9	6	8	0.50**	24	2,750
	B	W6x9	9	18	0.52	24	3,500
PLT-12	A	W6x9	7	38	0.51	24	3,000
	B	W6x9	10	74	0.52	24	3,000
PLT-13	A	W6x9	5	17	0.50**	24	2,150
	B	W6x9	7	48	0.50	24	3,500
PLT-14	A	W6x9	6	30	0.50**	24	3,250
	B	W6x9	9	42	0.50	24	3,500
PLT-15	A	W6x9	6	27	0.50	24	2,000
	B	W6x9	10	61	0.50**	24	2,700
PLT-16	A	W6x9	5	13	0.50	24	1,000
	B	W6x9	8	70	0.52	24	2,000
PLT-17	A	W6x9	6	29	0.50**	24	1,850
	B	W6x9	9	50	0.50**	24	2,250
PLT-18	A	W6x9	7	15	0.52	24	2,500
	B	W6x9	10	90	0.50	24	2,500
PLT-19	A	W6x9	5	10	0.51	24	2,500
	B	W6x9	8	21	0.50	24	4,000

¹ Yield deflection is defined near 1/2"

* Maximum load reached prior to deflection criteria

**Load interpolated from graph.



Lateral Load							
Pile No.		Pile Type	Target Embedment Depth, ft	Pile Drive Time, sec	Yield Deflection, in ¹	Load Application Height, in above grade	
PLT-20	A	W6x9	6	28	0.50**	24	2,700
	B	W6x9	9	64	0.50**	24	2,750
PLT-21	A	W6x9	7	60	0.50**	24	2,950
	B	W6x9	10	32	0.50**	24	3,200
PLT-22	A	W6x9	5	13	0.50**	24	1,400
	B	W6x9	8	25	0.50**	24	1,800
PLT-23	A	W6x9	6	17	0.50**	24	4,250
	B	W6x9	9	63	0.50**	24	4,300
PLT-24	A	W6x9	7	29	0.50**	24	3,300
	B	W6x9	10	55	0.50**	24	2,850
PLT-25	A	W6x9	5	15	0.50	24	1,500
	B	W6x9	8	39	0.51	24	3,500
PLT-26	A	W6x9	6	17	0.51	24	2,500
	B	W6x9	9	85	0.52	24	2,500
PLT-27	A	W6x9	7	41	0.50**	24	2,400
	B	W6x9	10	82	0.51	24	2,500
PLT-28	A	W6x9	5	19	0.50**	24	2,250
	B	W6x9	8	55	0.50	24	3,500
PLT-29	A	W6x9	6	33	0.52	24	3,500
	B	W6x9	9	68	0.51	24	4,500
PLT-30	A	W6x9	7	32	0.52	24	3,500
	B	W6x9	10	65	0.50	24	2,500
PLT-31	A	W6x9	5	15	0.50**	24	1,650
	B	W6x9	8	84	0.52	24	3,000
PLT-32	A	W6x9	9	69	0.50**	24	3,750
	B	W6x9	6	33	0.52	24	4,500
PLT-33	A	W6x9	7	30	0.51	24	3,500
	B	W6x9	10	66	0.51	24	4,000
PLT-34	A	W6x9	5	16	0.51	24	2,500
	B	W6x9	8	60	0.50	24	3,500
PLT-35	A	W6x9	6	25	0.50**	24	2,000
	B	W6x9	9	69	0.50	24	2,500
PLT-36	A	W6x9	7	58	0.50**	24	4,100
	B	W6x9	10	91	0.51	24	3,500
PLT-37	A	W6x9	5	23	0.51	24	3,500
	B	W6x9	8	57	0.51	24	3,500
PLT-38	A	W6x9	6	26	0.50**	24	4,100
	B	W6x9	9	52	0.50	24	4,500
PLT-39	A	W6x9	7	24	0.50**	24	3,200
	B	W6x9	10	50	0.51	24	3,500
PLT-40	A	W6x9	5	16	0.50**	24	2,850
	B	W6x9	8	53	0.51	24	4,000

¹ Yield deflection is defined near 1/2"

* Maximum load reached prior to deflection criteria

**Load interpolated from graph.



Lateral Load							
Pile No.		Pile Type	Target Embedment Depth, ft	Pile Drive Time, sec	Yield Deflection, in ¹	Load Application Height, in above grade	
PLT-41	A	W6x9	6	18	0.50**	24	2,200
	B	W6x9	9	37	0.51	24	3,000
PLT-42	A	W6x9	7	22	0.51	24	2,000
	B	W6x9	10	38	0.50	24	2,500
PLT-43	A	W6x9	5	20	0.50	24	2,000
	B	W6x9	7	59	0.51	24	2,500
PLT-44	A	W6x9	6	23	0.51	24	2,500
	B	W6x9	9	34	0.51	24	2,500
PLT-45	A	W6x9	7	23	0.50**	24	2,350
	B	W6x9	10	32	0.49	24	2,500
PLT-46	A	W6x9	5	18	0.50**	24	1,400
	B	W6x9	8	34	0.50	24	2,500
PLT-47	A	W6x9	6	34	0.50**	24	2,200
	B	W6x9	9	74	0.52	24	4,000
PLT-48	A	W6x9	7	38	0.50**	24	3,200
	B	W6x9	10	79	0.50**	24	3,200
PLT-49	A	W6x9	5	27	0.52	24	3,500
	B	W6x9	8	46	0.52	24	3,500
PLT-50	A	W6x9	6	35	0.50**	24	3,100
	B	W6x9	9	52	0.50**	24	3,350
PLT-51	A	W6x9	7	44	0.50	24	4,500
	B	W6x9	10	86	0.50**	24	4,300
PLT-52	A	W6x9	5	22	0.50**	24	3,350
	B	W6x9	8	36	0.52	24	3,500
PLT-53	A	W6x9	6	25	0.50	24	3,000
	B	W6x9	9	55	0.51	24	3,000
PLT-54	A	W6x9	7	37	0.50	24	4,500
	B	W6x9	10	70	0.51	24	4,500
PLT-55	A	W6x9	5	29	0.50**	24	4,250
	B	W6x9	8	65	0.50	24	4,500
PLT-56	A	W6x9	6	32	0.51	24	3,500
	B	W6x9	9	90	0.50**	24	3,350
PLT-57	A	W6x9	7	28	0.50**	24	3,750
	B	W6x9	10	42	0.50	24	4,000
PLT-58	A	W6x9	5	19	0.52	24	2,000
	B	W6x9	8	49	0.52	24	2,500
PLT-59	A	W6x9	6	35	0.50	24	3,000
	B	W6x9	9	67	0.50	24	3,500

¹ Yield deflection is defined near 1/2"

* Maximum load reached prior to deflection criteria

**Load interpolated from graph.



Lateral Load						
Pile No.		Pile Type	Target Embedment Depth, ft	Pile Drive Time, sec	Yield Deflection, in ¹	Load Application Height, in above grade
PLT-60	A	W6x9	7	44	0.50	24
	B	W6x9	10	100	0.50**	24
PLT-61	A	W6x9	5	29	0.50**	24
	B	W6x9	8	58	0.51	24
PLT-62	A	W6x9	6	23	0.50**	24
	B	W6x9	9	40	0.51	24
PLT-63	A	W6x9	7	27	0.50**	24
	B	W6x9	10	59	0.51	24
PLT-64	A	W6x9	8	53	0.50	24
	B	W6x9	5	18	0.50	24
PLT-65	A	W6x9	6	33	0.52	24
	B	W6x9	9	83	0.50**	24
PLT-66	A	W6x9	7	28	0.51	24
	B	W6x9	10	57	0.50**	24
PLT-67	A	W6x9	5	15	0.52	24
	B	W6x9	8	47	0.50	24
PLT-68	A	W6x9	6	17	0.50**	24
	B	W6x9	9	33	0.50	24
PLT-69	A	W6x9	7	36	0.50**	24
	B	W6x9	10	67	0.50	24
PLT-70	A	W6x9	5	12	0.51	24
	B	W6x9	8	22	0.50**	24
PLT-71	A	W6x9	6	28	0.50**	24
	B	W6x9	9	37	0.50	24
PLT-72	A	W6x9	7	20	0.50**	24
	B	W6x9	10	37	0.51	24
PLT-73	A	W6x9	5	19	0.50**	24
	B	W6x9	8	43	0.51	24

¹ Yield deflection is defined near 1/2"

* Maximum load reached prior to deflection criteria

**Load interpolated from graph.



Lateral Load							
Pile No.		Pile Type	Target	Pile Drive	Yield Deflection,	Load Application	Load, lb
PLT-74	A	W6x9	6	19	0.50**	24	2,200
	B	W6x9	9	51	0.52	24	3,000
PLT-75	A	W6x9	7	26	0.50**	24	3,700
	B	W6x9	10	49	0.50	24	4,500
PLT-76	A	W6x9	5	21	0.50**	24	2,800
	B	W6x9	8	51	0.50	24	3,500
PLT-77	A	W6x9	6	50	0.50**	24	2,800
	B	W6x9	9	93	0.50	24	3,000
PLT-78	A	W6x9	7	36	0.50**	24	2,900
	B	W6x9	10	53	0.50**	24	3,400
PLT-79	A	W6x9	5	33	0.50**	24	2,200
	B	W6x9	8	67	0.51	24	3,500
PLT-80	A	W6x9	6	29	0.50**	24	2,300
	B	W6x9	9	35	0.50	24	3,500
PLT-81	A	W6x9	7	40	0.50	24	3,500
	B	W6x9	10	104	0.51	24	4,500
PLT-82	A	W6x9	5	18	0.50**	24	1,800
	B	W6x9	8	33	0.50	24	2,500
PLT-83	A	W6x9	6	27	0.50**	24	1,900
	B	W6x9	9	62	0.50	24	2,500
PLT-84	A	W6x9	7	26	0.51	24	3,000
	B	W6x9	10	46	0.50	24	3,000
PLT-85	A	W6x9	5	10	0.50**	24	1,900
	B	W6x9	8	16	0.51	24	3,500
PLT-86	A	W6x9	6	15	0.52	24	2,500
	B	W6x9	9	30	0.51	24	3,500
PLT-87	A	W6x9	7	29	0.50**	24	3,200
	B	W6x9	8	42	0.51	24	3,500
PLT-88	A	W6x9	5	17	0.50**	24	2,400
	B	W6x9	8	36	0.50**	24	2,350
PLT-89	A	W6x9	5	21	0.50**	24	2,200
	B	W6x9	72	21	0.50**	24	2,300
PLT-90	A	W6x9	7	26	0.50**	24	2,800
	B	W6x9	8	36	0.48	24	3,000
PLT-91	A	W6x9	5	15	0.50**	24	2,150
	B	W6x9	8	25	0.50	24	3,500

¹ Yield deflection is defined near 1/2"

* Maximum load reached prior to deflection criteria

**Load interpolated from graph.

Lateral Load Test Result for PLT-1A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

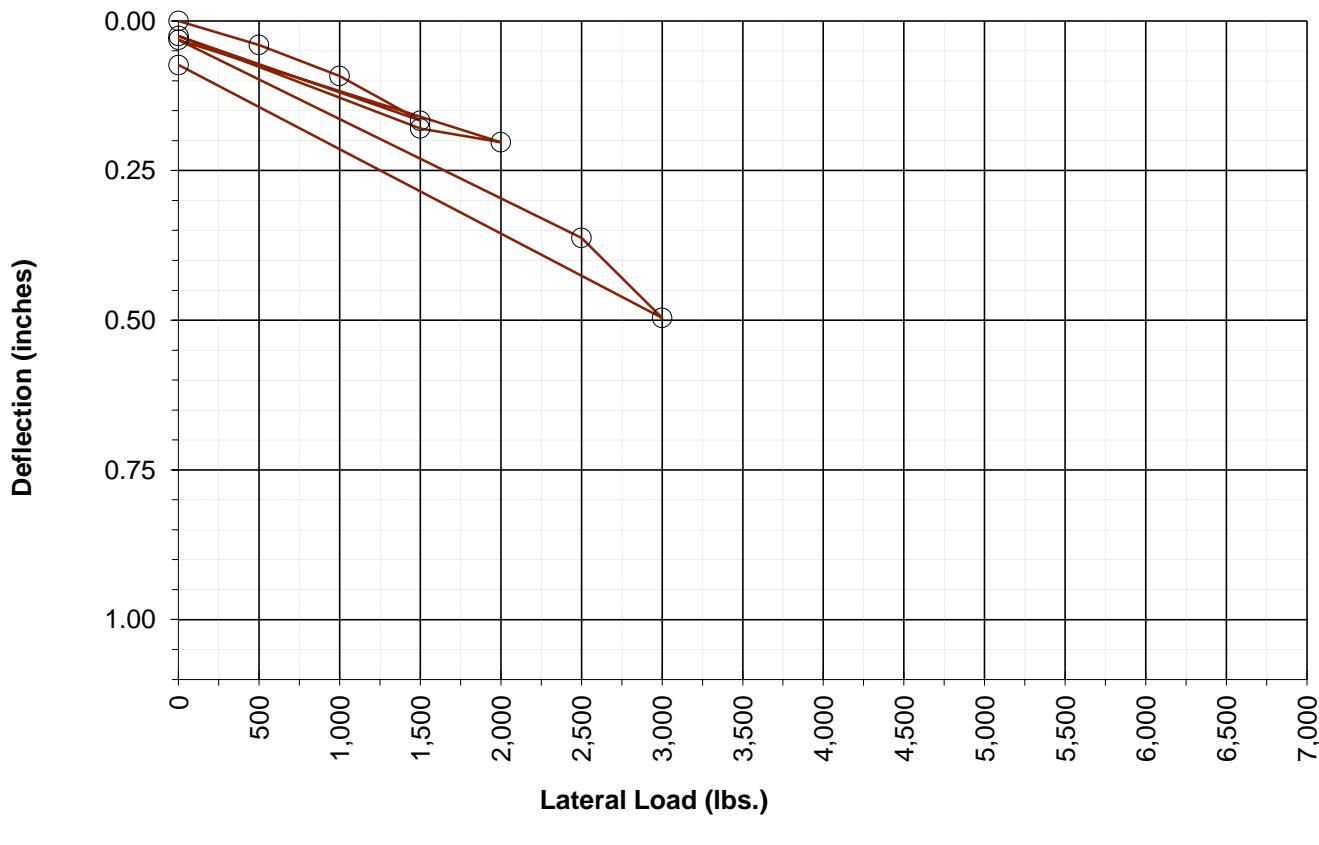
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/4/2023

Pile Information

Pile ID: PLT-1A
 Group Latitude [deg.]: 36.5224
 Group Longitude [deg.]: -120.2235
 Pile Type: W6X9
 Pile Embedment Depth [in.]: 60
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 8

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.040	
14%	1,000	0.092	
21%	1,500	0.167	
0%	0	0.025	
21%	1,500	0.180	
29%	2,000	0.203	
36%	2,500		
0%	0	0.032	
36%	2,500	0.363	
43%	3,000	0.496	
50%	3,500		
0%	0	0.074	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-1B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

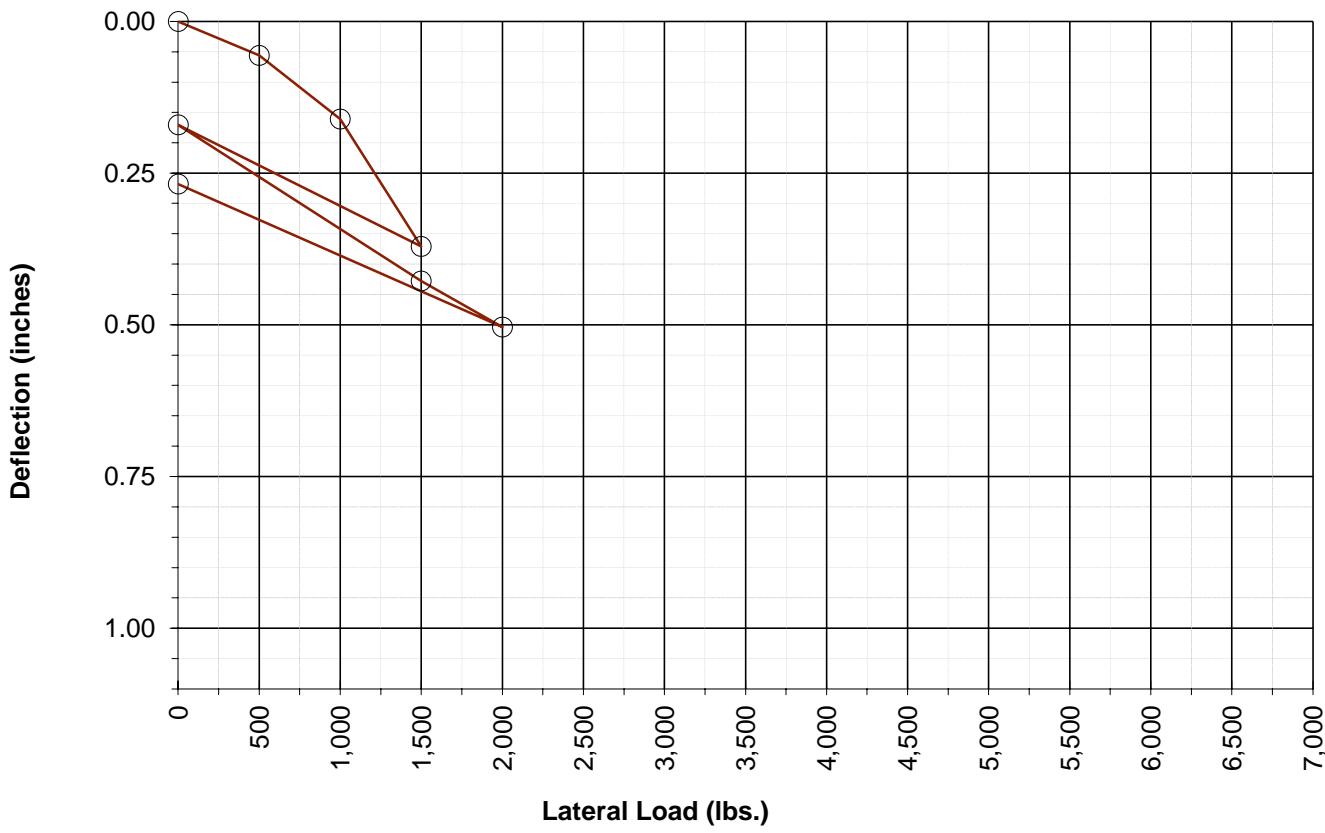
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/4/2023

Pile Information

Pile ID: PLT-1B
 Group Latitude [deg.]: 36.5224
 Group Longitude [deg.]: -120.2235
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 96
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 24

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.056	
14%	1,000	0.161	
21%	1,500	0.371	
0%	0	0.171	
21%	1,500	0.428	
29%	2,000	0.504	
36%	2,500		
0%	0	0.268	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-2A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

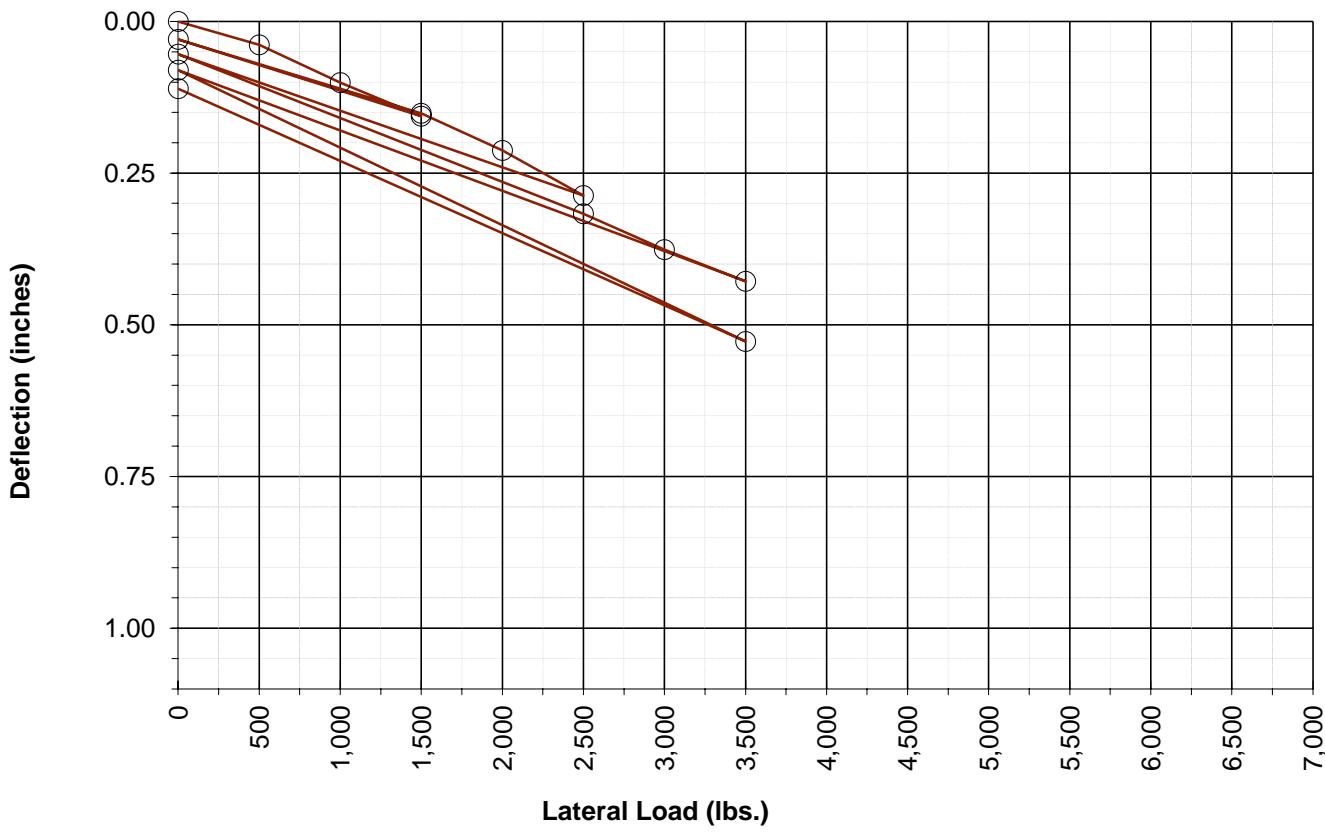
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/4/2023

Pile Information

Pile ID: PLT-2A
 Group Latitude [deg.]: 36.5169
 Group Longitude [deg.]: -120.2170
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 72
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 20

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.039	
14%	1,000	0.101	
21%	1,500	0.156	
0%	0	0.030	
21%	1,500	0.152	
29%	2,000	0.213	
36%	2,500	0.287	
0%	0	0.054	
36%	2,500	0.317	
43%	3,000	0.376	
50%	3,500	0.428	
0%	0	0.080	
50%	3,500	0.528	
57%	4,000		
64%	4,500		
0%	0	0.111	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-2B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

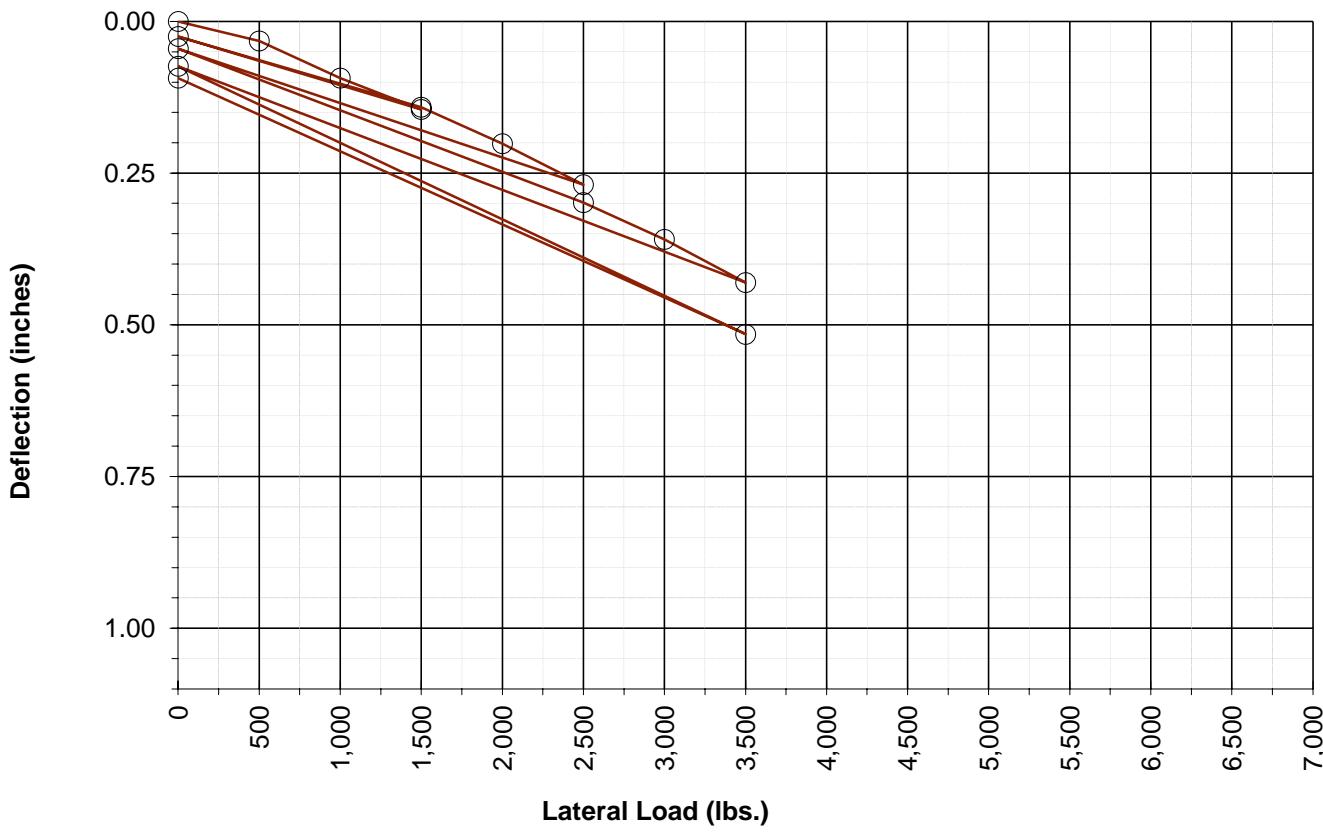
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/4/2023

Pile Information

Pile ID: PLT-2B
 Group Latitude [deg.]: 36.5169
 Group Longitude [deg.]: -120.2170
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 108
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 57

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.032	
14%	1,000	0.094	
21%	1,500	0.145	
0%	0	0.025	
21%	1,500	0.141	
29%	2,000	0.202	
36%	2,500	0.269	
0%	0	0.045	
36%	2,500	0.299	
43%	3,000	0.360	
50%	3,500	0.431	
0%	0	0.074	
50%	3,500	0.516	
57%	4,000		
64%	4,500		
0%	0	0.094	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-3A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

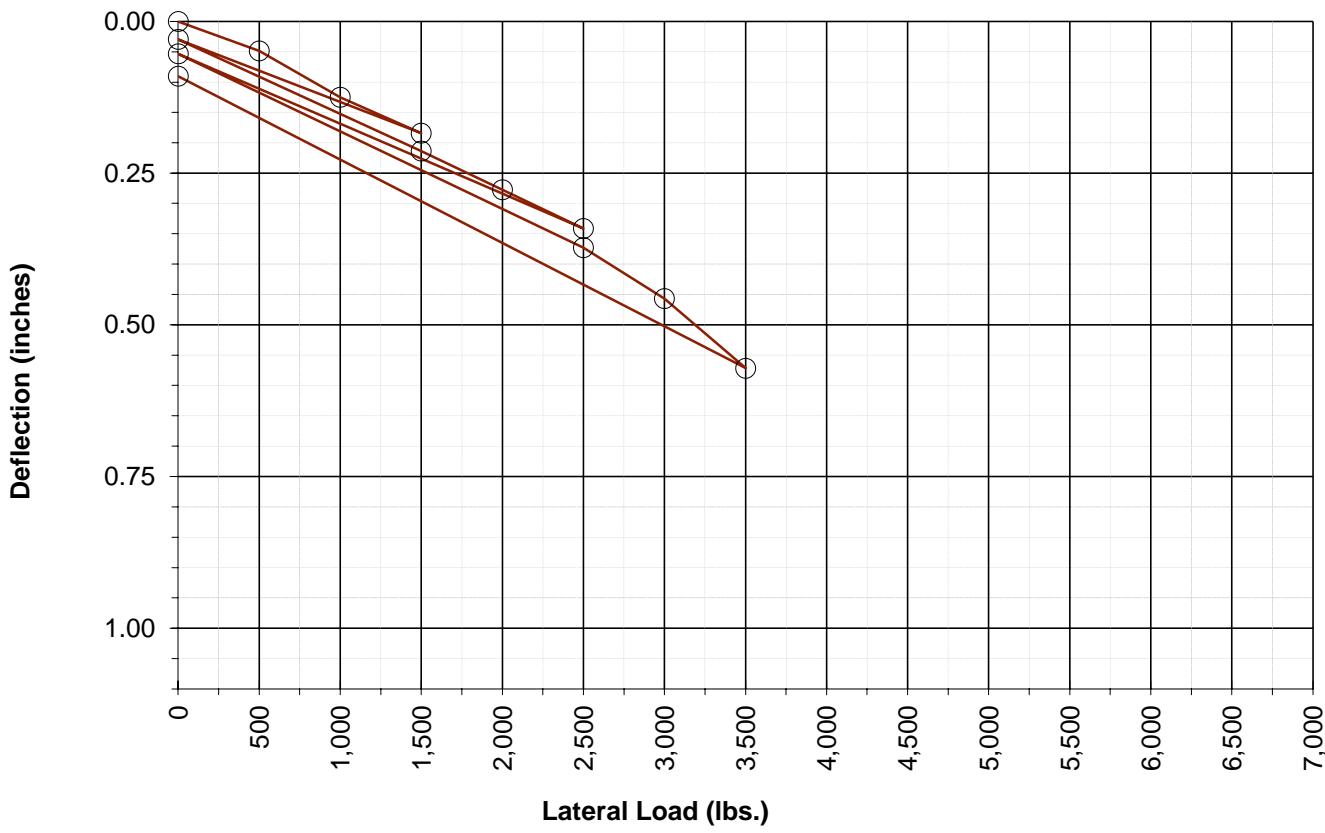
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/4/2023

Pile Information

Pile ID: PLT-3A
 Group Latitude [deg.]: 36.5225
 Group Longitude [deg.]: -120.2096
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 84
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 40

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.049	
14%	1,000	0.125	
21%	1,500	0.185	
0%	0	0.030	
21%	1,500	0.214	
29%	2,000	0.277	
36%	2,500	0.341	
0%	0	0.054	
36%	2,500	0.373	
43%	3,000	0.457	
50%	3,500	0.572	
0%	0	0.090	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-3B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

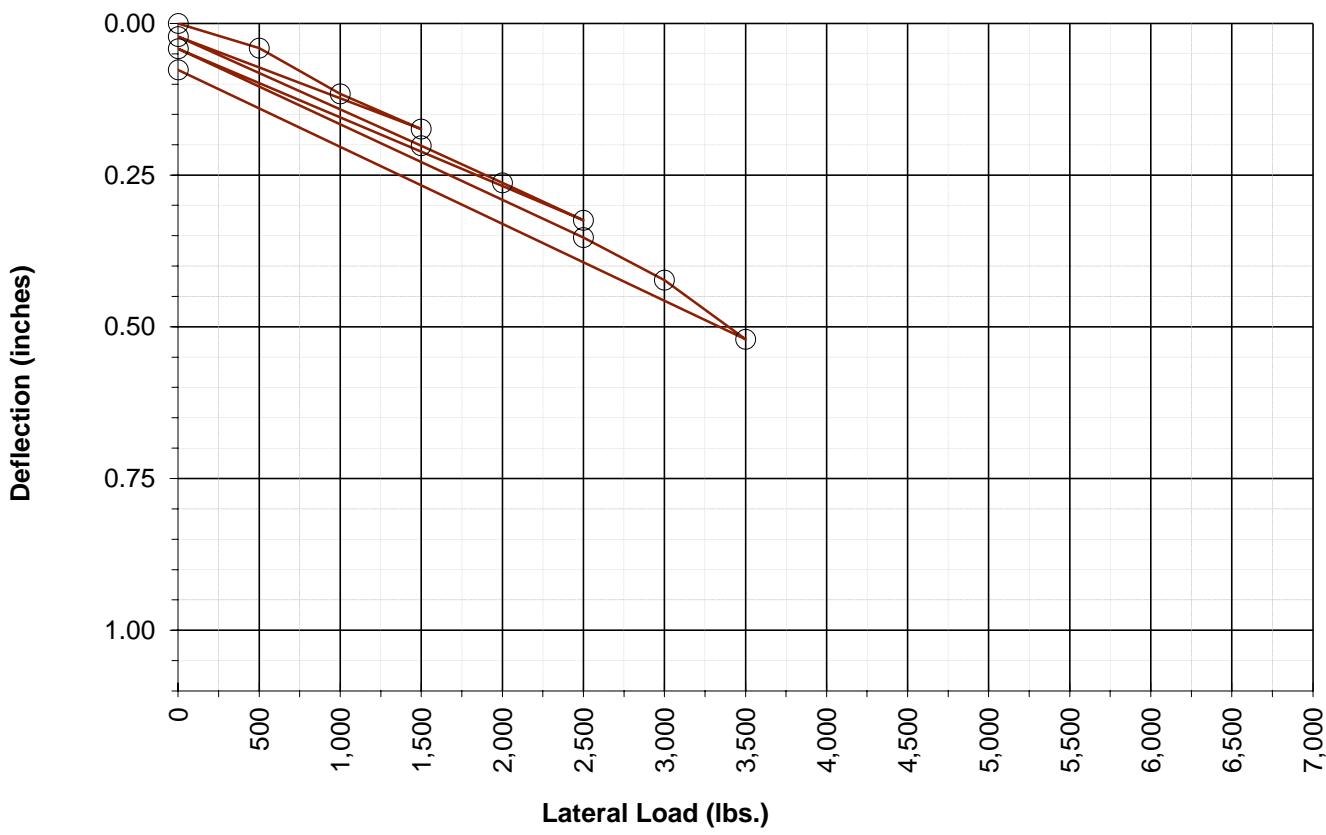
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/4/2023

Pile Information

Pile ID: PLT-3B
 Group Latitude [deg.]: 36.5225
 Group Longitude [deg.]: -120.2096
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 120
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 120

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.041	
14%	1,000	0.116	
21%	1,500	0.174	
0%	0	0.022	
21%	1,500	0.202	
29%	2,000	0.263	
36%	2,500	0.324	
0%	0	0.042	
36%	2,500	0.353	
43%	3,000	0.423	
50%	3,500	0.521	
0%	0	0.077	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-4A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

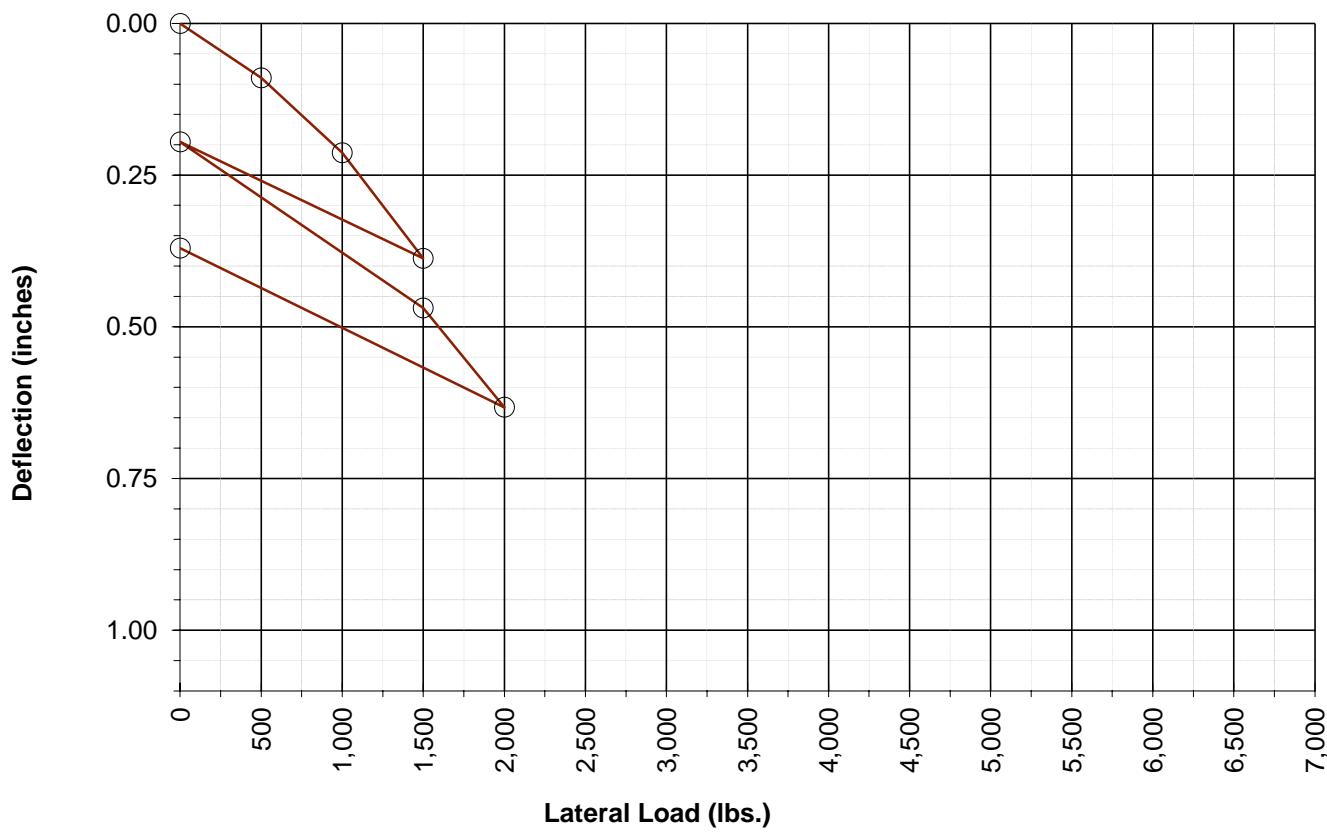
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/4/2023

Pile Information

Pile ID: PLT-4A
 Group Latitude [deg.]: 36.5126
 Group Longitude [deg.]: -120.2239
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 60
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 7

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.090	
14%	1,000	0.213	
21%	1,500	0.387	
0%	0	0.195	
21%	1,500	0.469	
29%	2,000	0.633	
36%	2,500		
0%	0	0.370	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-4B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

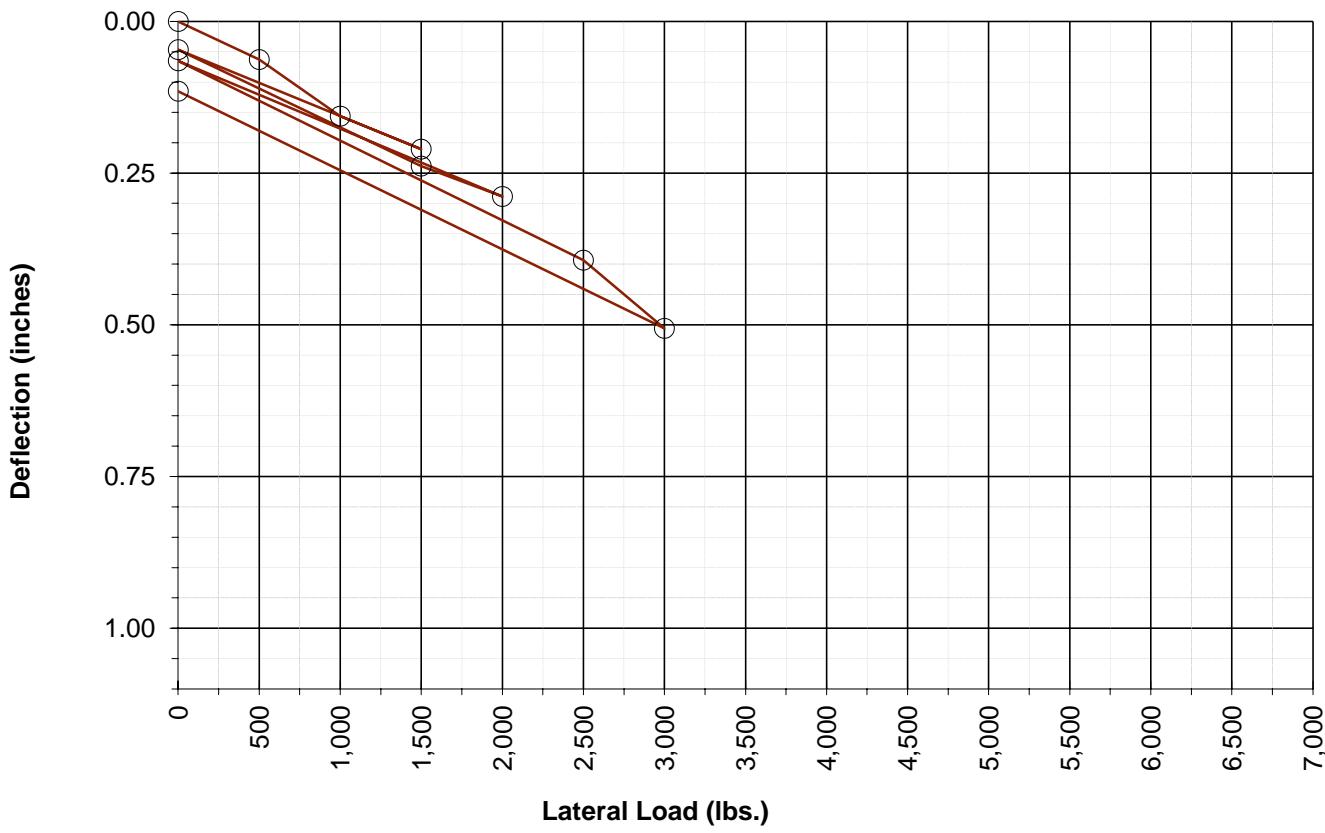
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/4/2023

Pile Information

Pile ID: PLT-4B
 Group Latitude [deg.]: 36.5126
 Group Longitude [deg.]: -120.2239
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 96
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 15

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.063	
14%	1,000	0.156	
21%	1,500	0.211	
0%	0	0.047	
21%	1,500	0.238	
29%	2,000	0.288	
36%	2,500		
0%	0	0.065	
36%	2,500	0.394	
43%	3,000	0.506	
50%	3,500		
0%	0	0.115	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-5A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

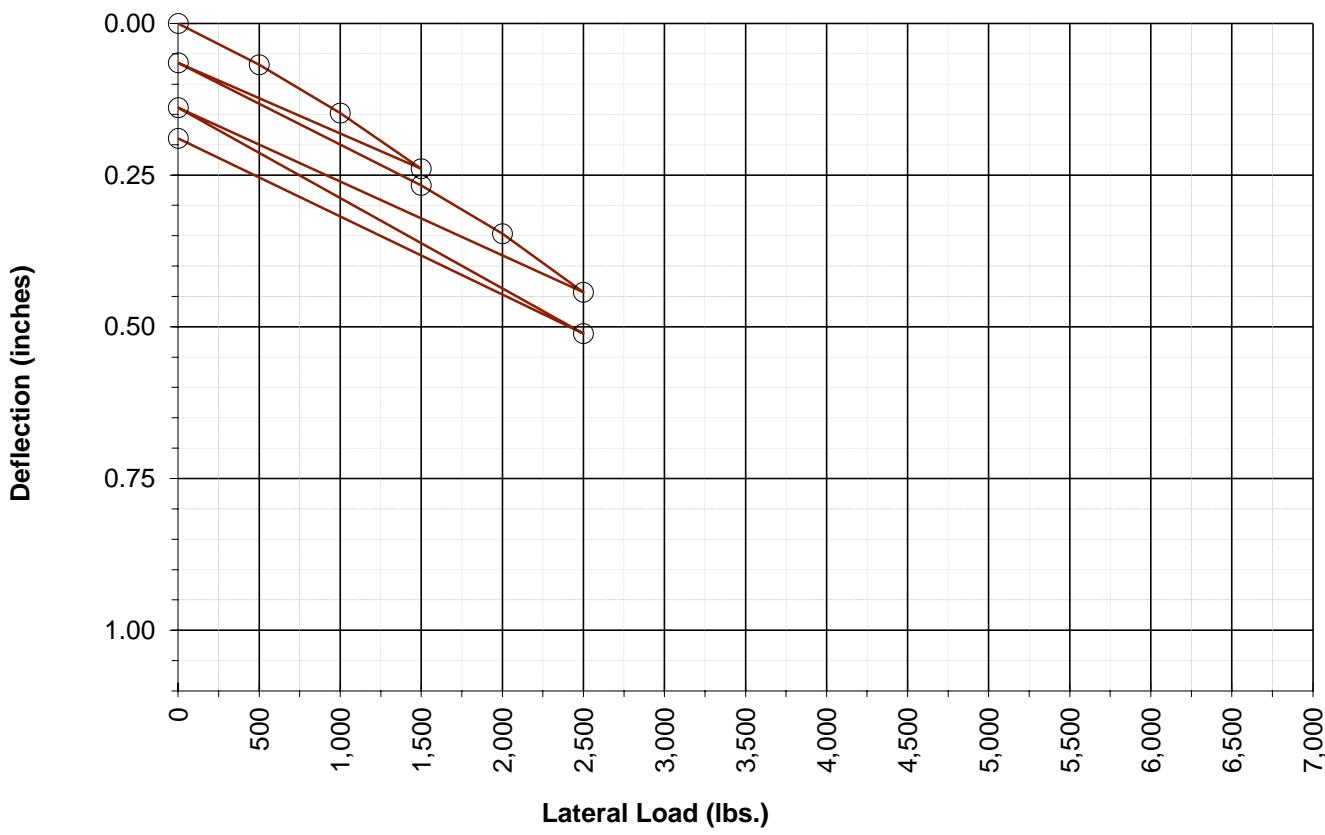
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/5/2023

Pile Information

Pile ID: PLT-5A
 Group Latitude [deg.]: 36.5130
 Group Longitude [deg.]: -120.2133
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 72
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 14

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.068	
14%	1,000	0.148	
21%	1,500	0.240	
0%	0	0.065	
21%	1,500	0.267	
29%	2,000	0.347	
36%	2,500	0.443	
0%	0	0.139	
36%	2,500	0.511	
43%	3,000		
50%	3,500		
0%	0	0.190	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-5B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

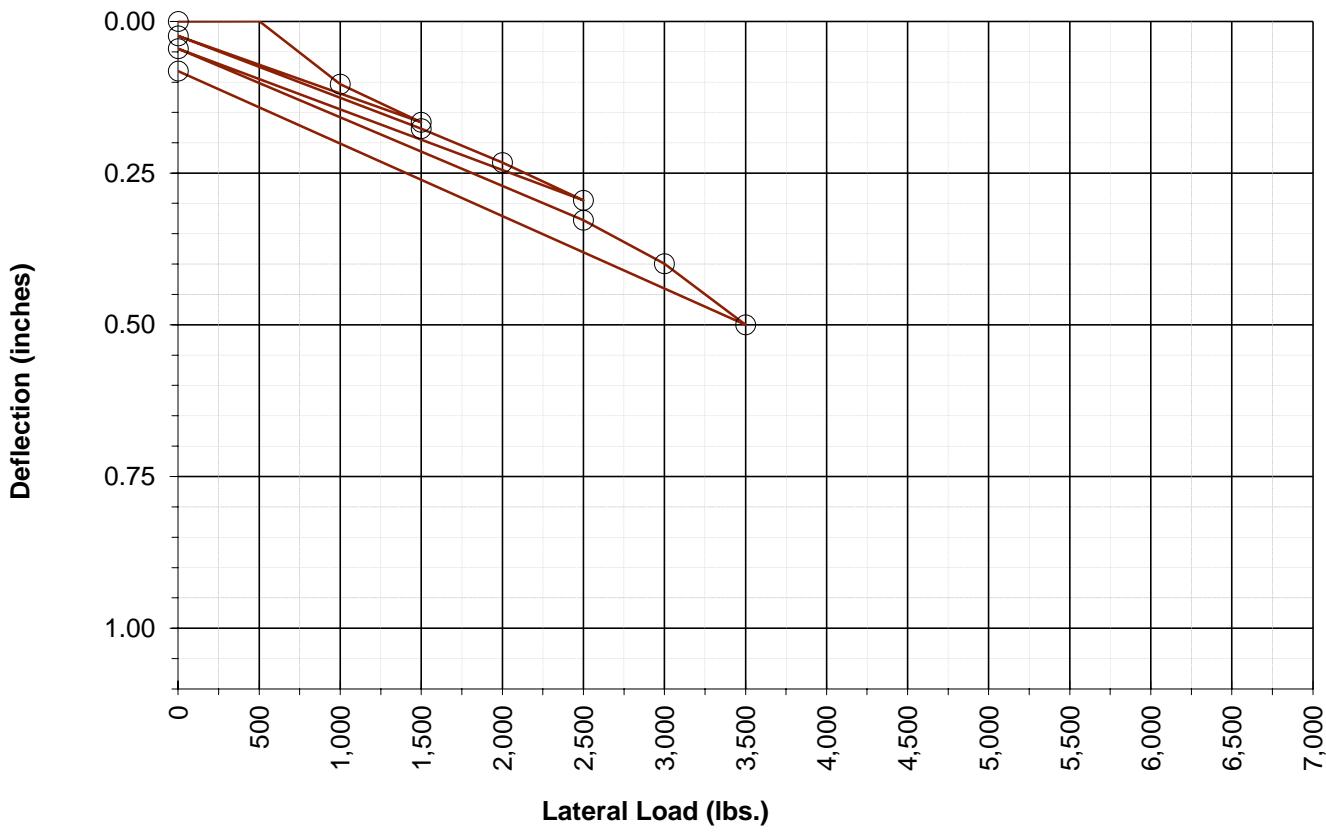
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/5/2023

Pile Information

Pile ID: PLT-5B
 Group Latitude [deg.]: 36.5130
 Group Longitude [deg.]: -120.2133
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 108
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 47

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.000	
14%	1,000	0.104	
21%	1,500	0.167	
0%	0	0.024	
21%	1,500	0.177	
29%	2,000	0.233	
36%	2,500	0.295	
0%	0	0.045	
36%	2,500	0.328	
43%	3,000	0.400	
50%	3,500	0.500	
0%	0	0.082	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-6A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

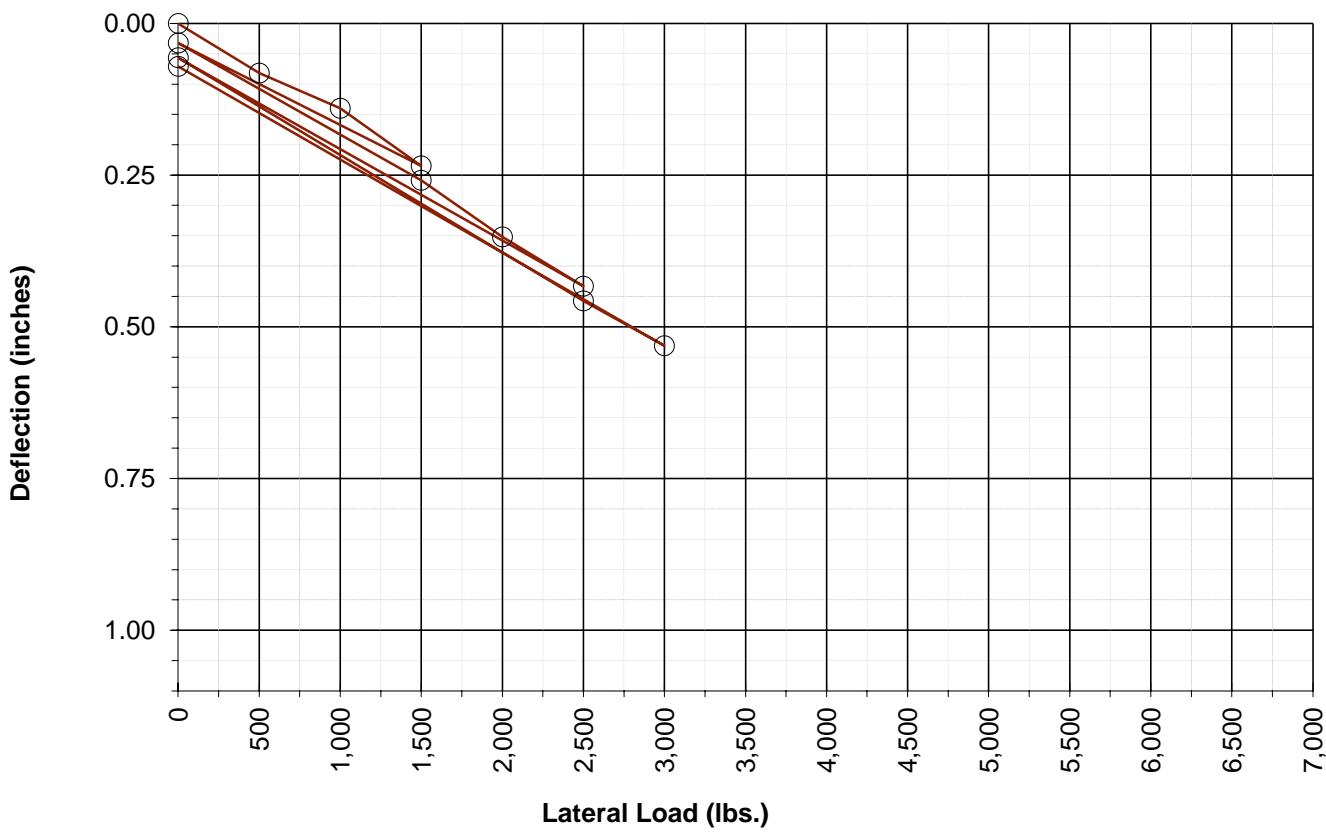
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 4/7/2023

Pile Information

Pile ID: PLT-6A
 Group Latitude [deg.]: 36.5109
 Group Longitude [deg.]: -120.2078
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 84
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 22

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.082	
14%	1,000	0.140	
21%	1,500	0.235	
0%	0	0.032	
21%	1,500	0.259	
29%	2,000	0.352	
36%	2,500	0.433	
0%	0	0.057	
36%	2,500	0.457	
43%	3,000	0.531	
50%	3,500		
0%	0	0.071	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-6B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

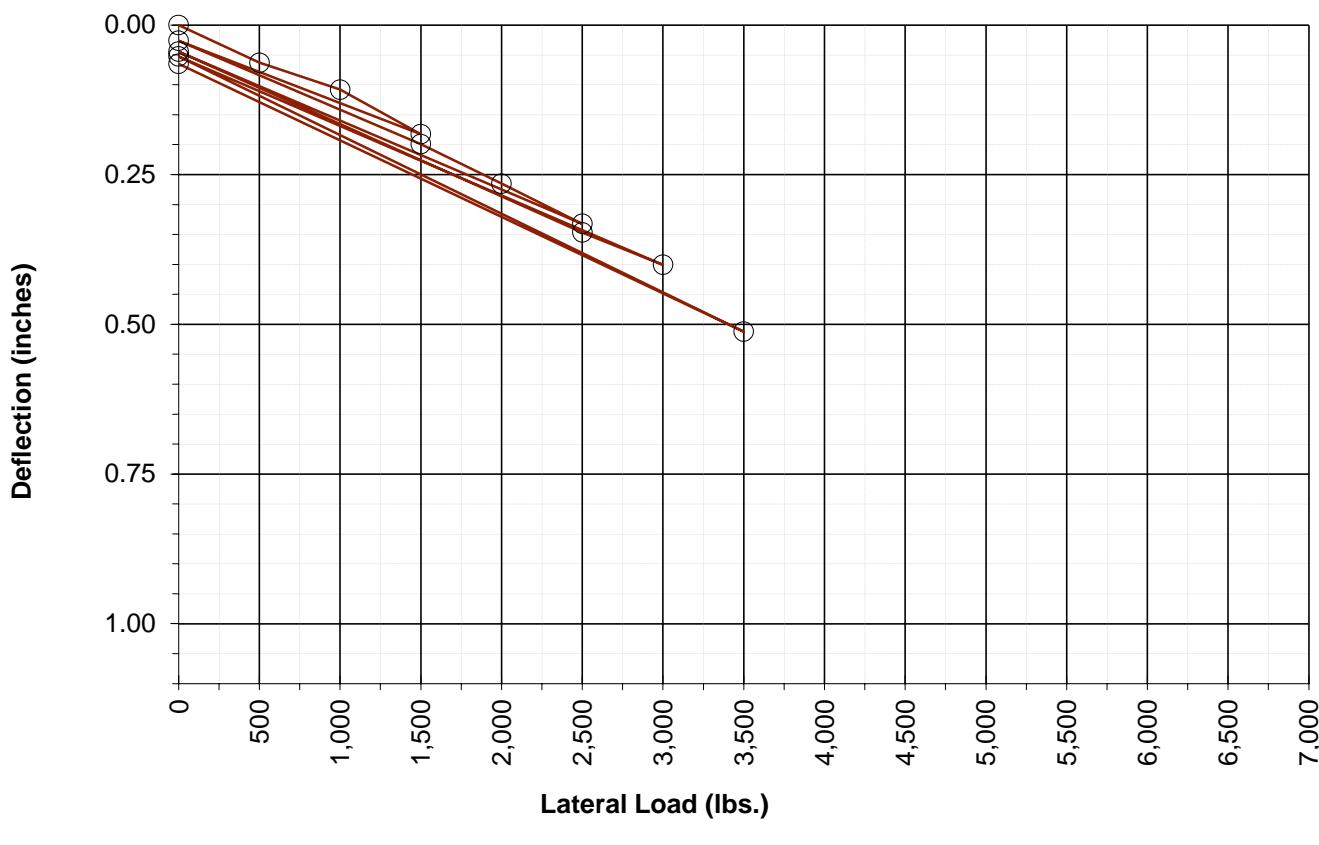
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 4/7/2023

Pile Information

Pile ID: PLT-6B
 Group Latitude [deg.]: 36.5109
 Group Longitude [deg.]: -120.2078
 Pile Type: W6X9
 Pile Embedment Depth [in.]: 120
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 40

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.063	
14%	1,000	0.108	
21%	1,500	0.183	
0%	0	0.027	
21%	1,500	0.199	
29%	2,000	0.265	
36%	2,500	0.332	
0%	0	0.045	
36%	2,500	0.347	
43%	3,000	0.401	
50%	3,500		
0%	0	0.053	
50%	3,500	0.512	
57%	4,000		
64%	4,500		
0%	0	0.065	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-7A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

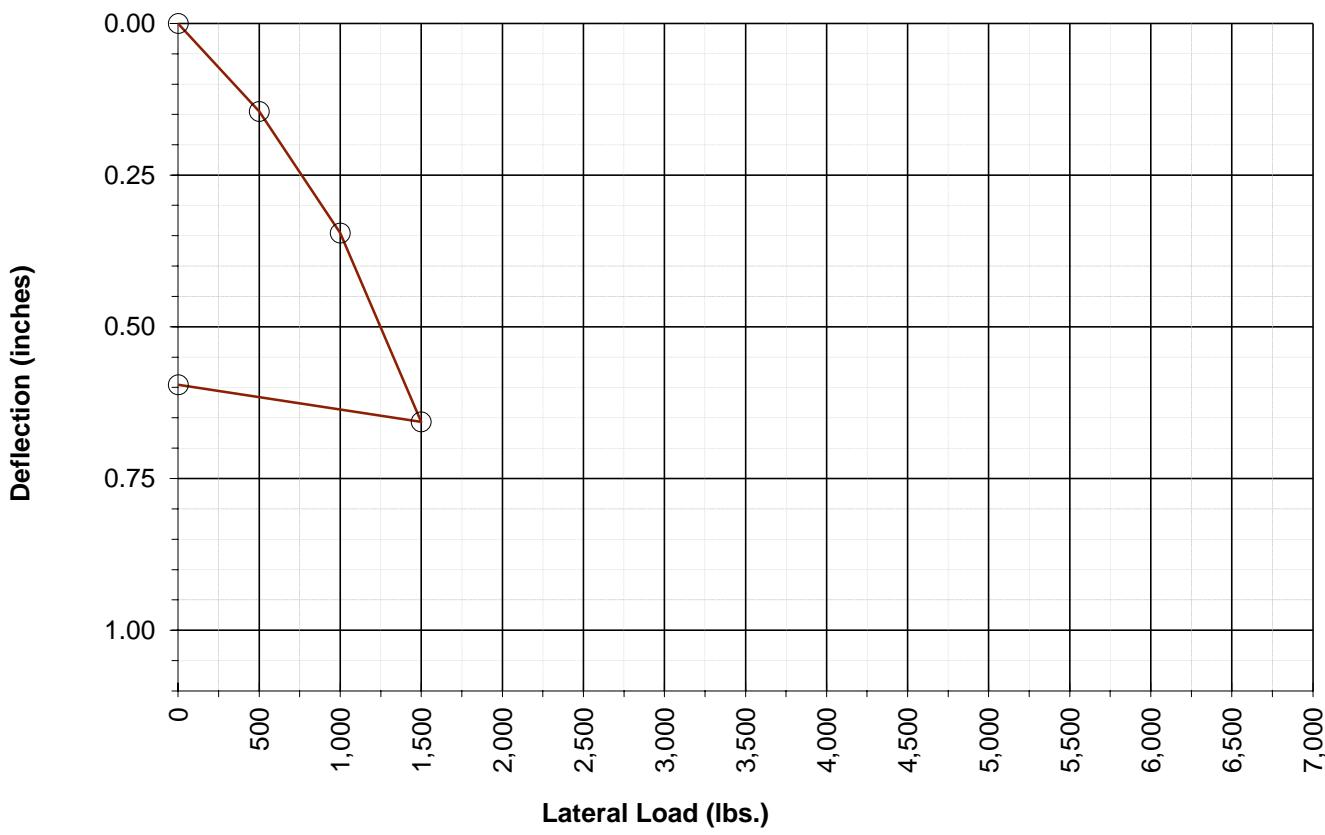
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/8/2023

Pile Information

Pile ID: PLT-7A
 Group Latitude [deg.]: 36.5157
 Group Longitude [deg.]: -120.1983
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 84
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 11

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.145	
14%	1,000	0.346	
21%	1,500	0.657	
0%	0	0.596	
21%	1,500		
29%	2,000		
36%	2,500		
0%	0		
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-7B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

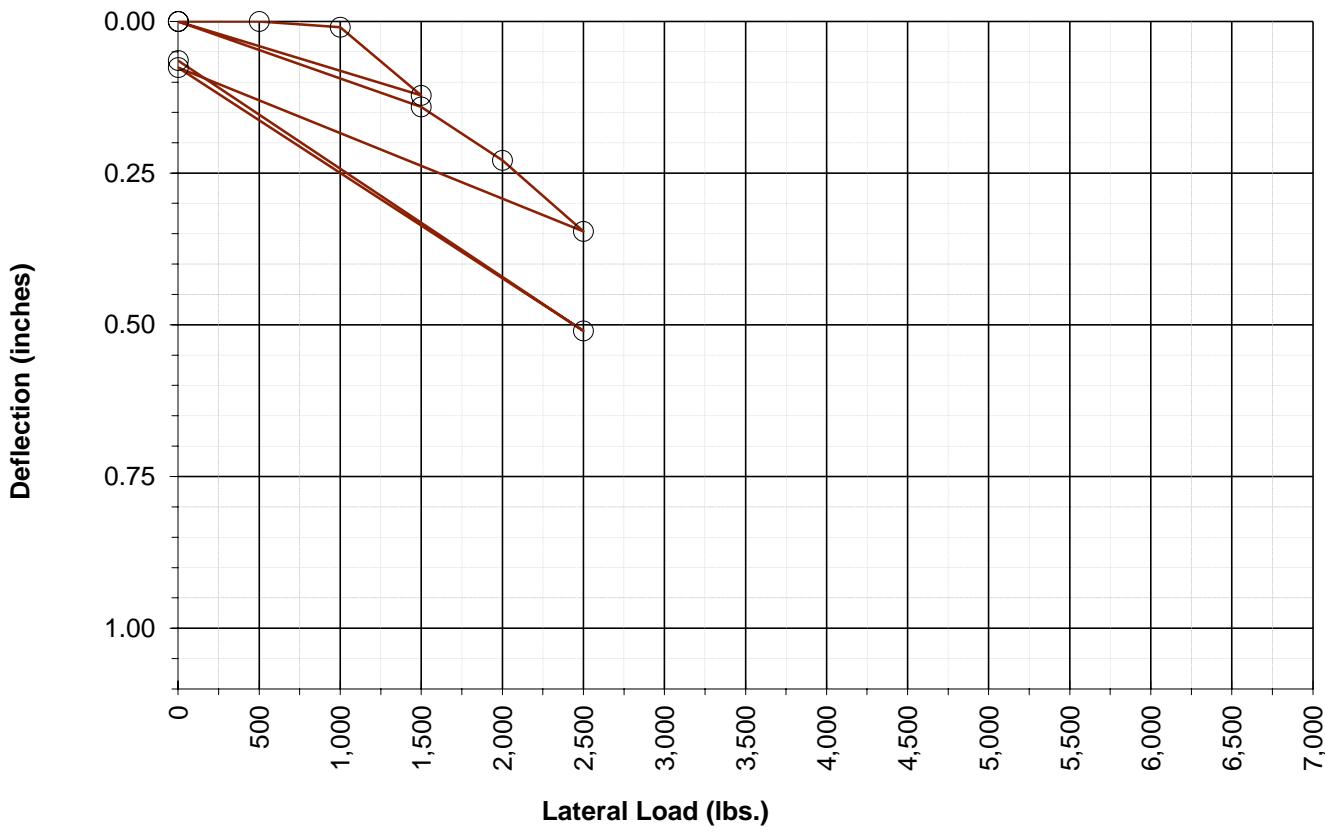
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/8/2023

Pile Information

Pile ID: PLT-7B
 Group Latitude [deg.]: 36.5157
 Group Longitude [deg.]: -120.1983
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 120
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 26

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.000	
14%	1,000	0.010	
21%	1,500	0.122	
0%	0	0.000	
21%	1,500	0.141	
29%	2,000	0.229	
36%	2,500	0.346	
0%	0	0.076	
36%	2,500	0.510	
43%	3,000		
50%	3,500		
0%	0	0.065	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-8A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

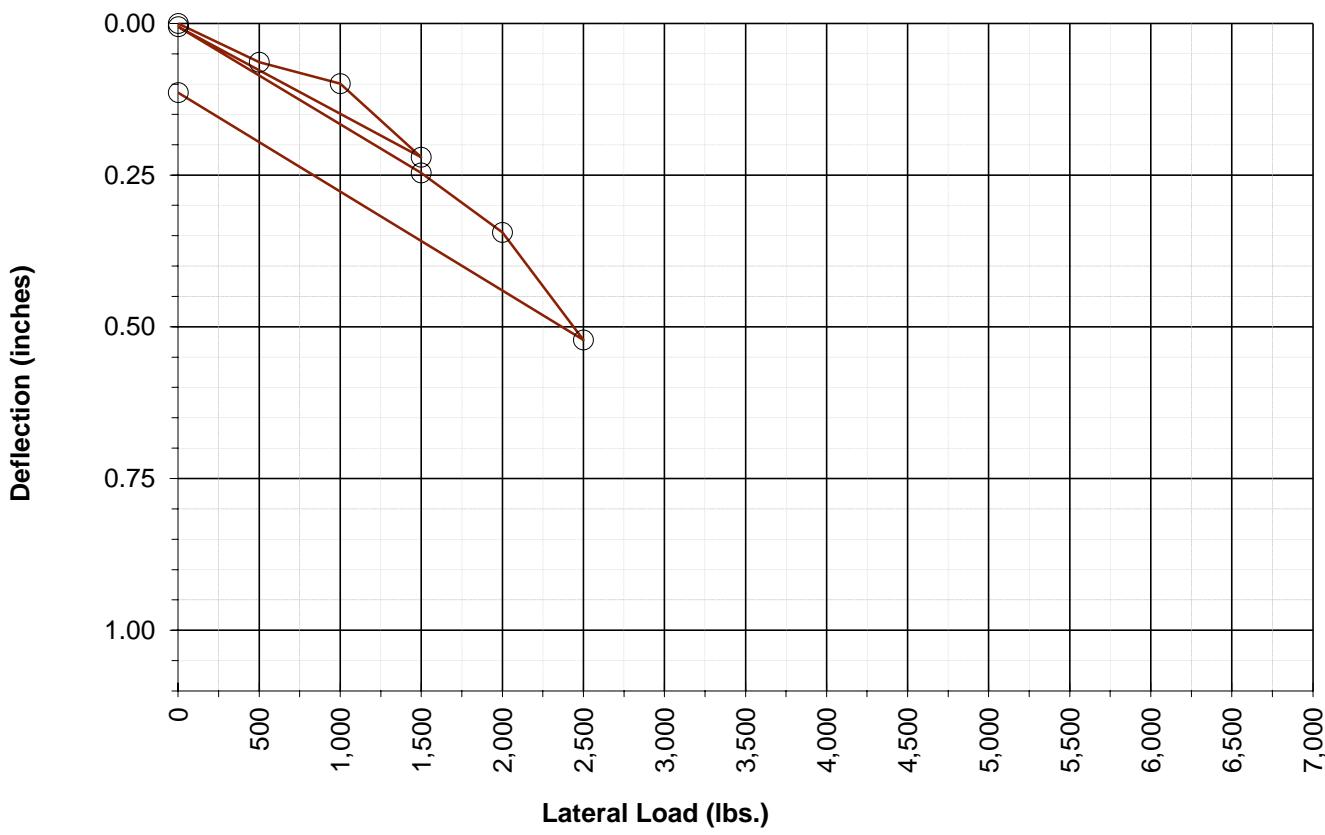
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/9/2023

Pile Information

Pile ID: PLT-8A
 Group Latitude [deg.]: 36.5101
 Group Longitude [deg.]: -120.1980
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 72
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 43

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.064	
14%	1,000	0.099	
21%	1,500	0.221	
0%	0	0.005	
21%	1,500	0.246	
29%	2,000	0.344	
36%	2,500	0.522	
0%	0	0.114	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-8B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

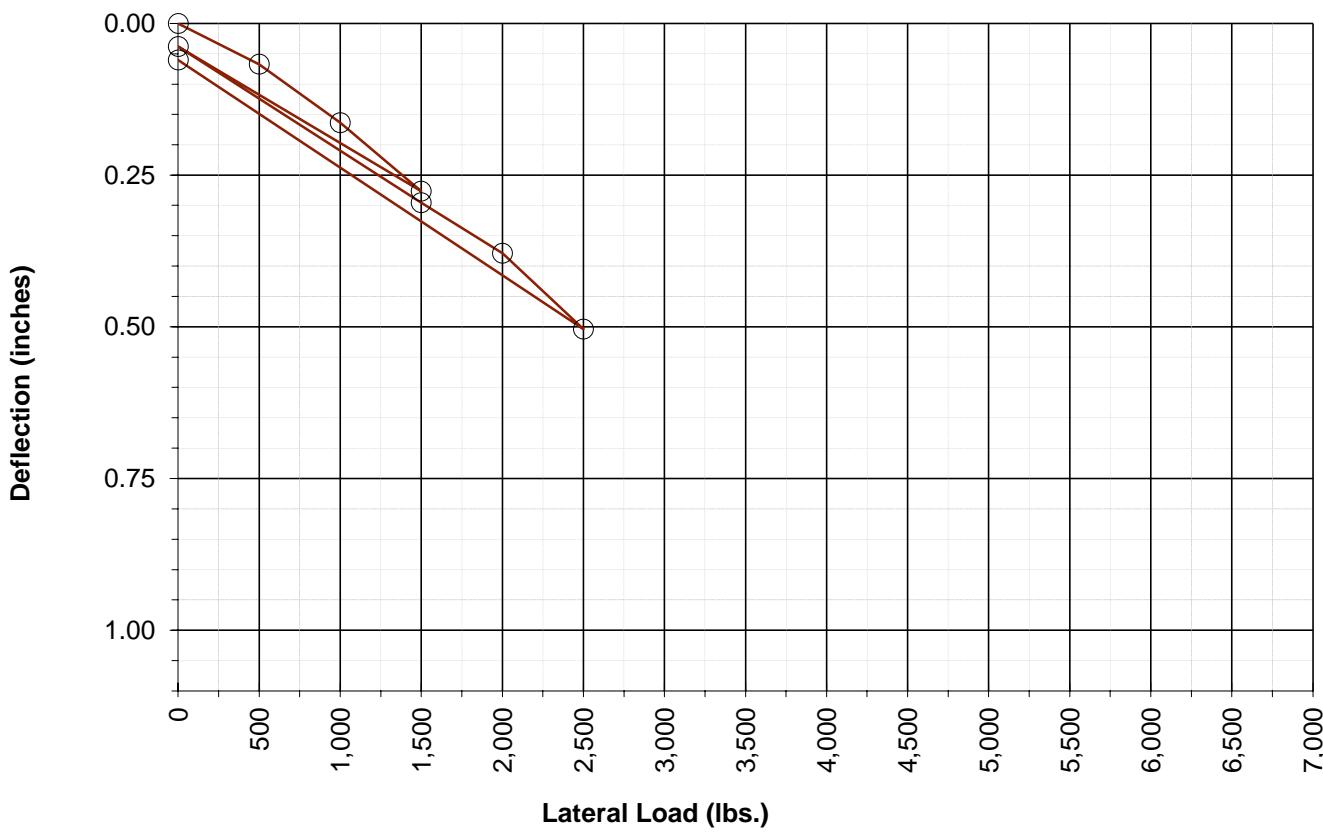
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/9/2023

Pile Information

Pile ID: PLT-8B
 Group Latitude [deg.]: 36.5101
 Group Longitude [deg.]: -120.1980
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 108
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 34

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.067	
14%	1,000	0.164	
21%	1,500	0.276	
0%	0	0.038	
21%	1,500	0.296	
29%	2,000	0.379	
36%	2,500	0.504	
0%	0	0.061	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-9A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

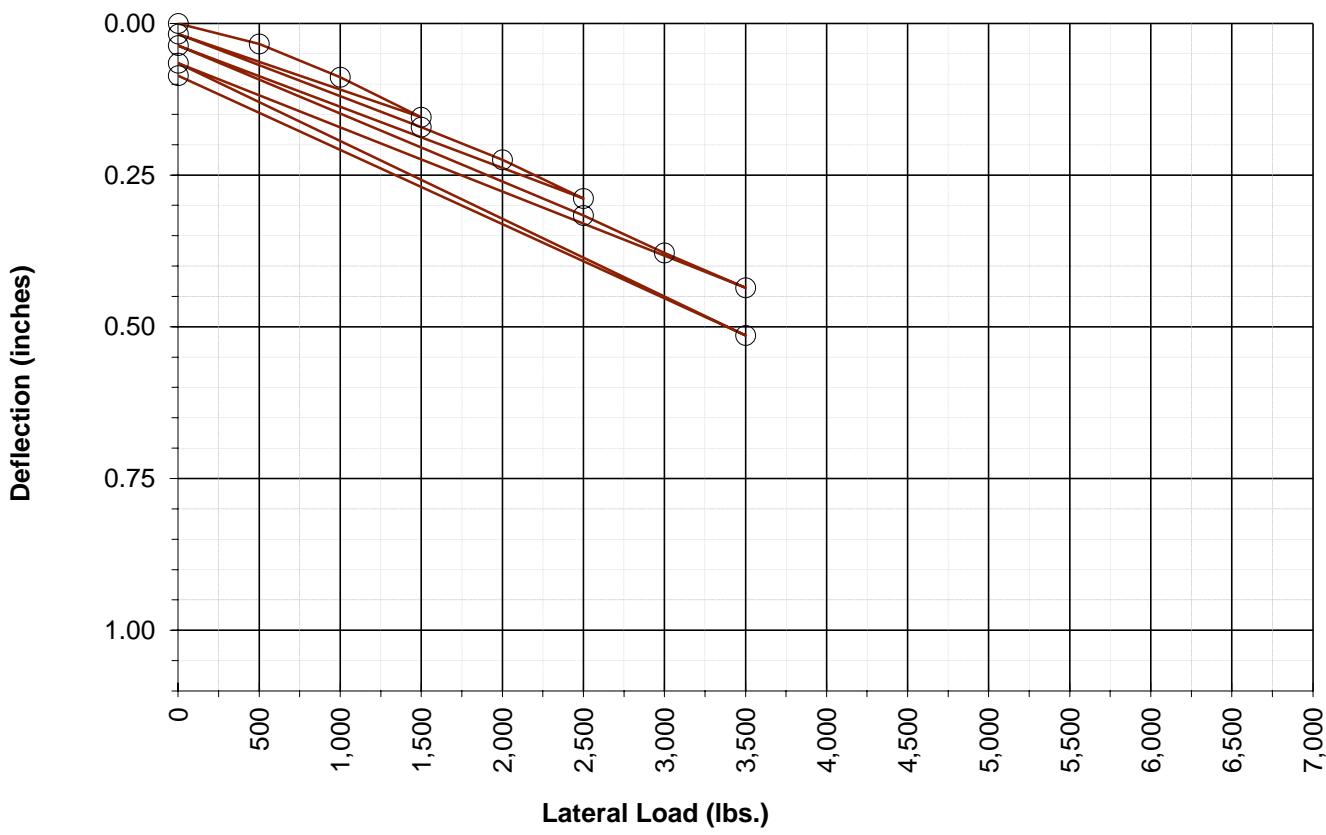
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/9/2023

Pile Information

Pile ID: PLT-9A
 Group Latitude [deg.]: 36.5102
 Group Longitude [deg.]: -120.1899
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 72
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 43

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.034	
14%	1,000	0.089	
21%	1,500	0.155	
0%	0	0.018	
21%	1,500	0.171	
29%	2,000	0.225	
36%	2,500	0.289	
0%	0	0.037	
36%	2,500	0.317	
43%	3,000	0.378	
50%	3,500	0.436	
0%	0	0.066	
50%	3,500	0.514	
57%	4,000		
64%	4,500		
0%	0	0.086	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-9B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

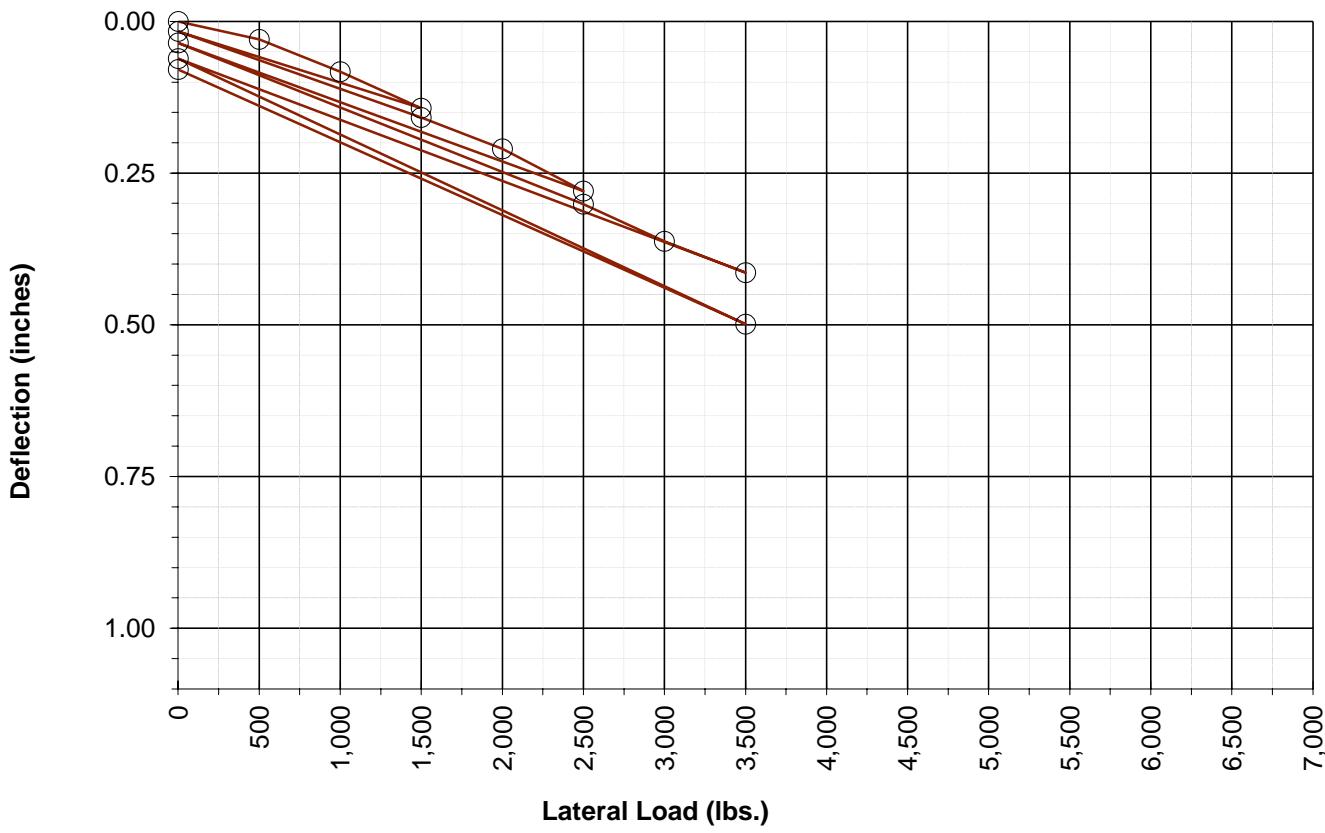
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/9/2023

Pile Information

Pile ID: PLT-9B
 Group Latitude [deg.]: 36.5102
 Group Longitude [deg.]: -120.1899
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 120
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 79

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.030	
14%	1,000	0.083	
21%	1,500	0.143	
0%	0	0.017	
21%	1,500	0.158	
29%	2,000	0.210	
36%	2,500	0.280	
0%	0	0.036	
36%	2,500	0.301	
43%	3,000	0.363	
50%	3,500	0.414	
0%	0	0.062	
50%	3,500	0.499	
57%	4,000		
64%	4,500		
0%	0	0.080	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-10A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

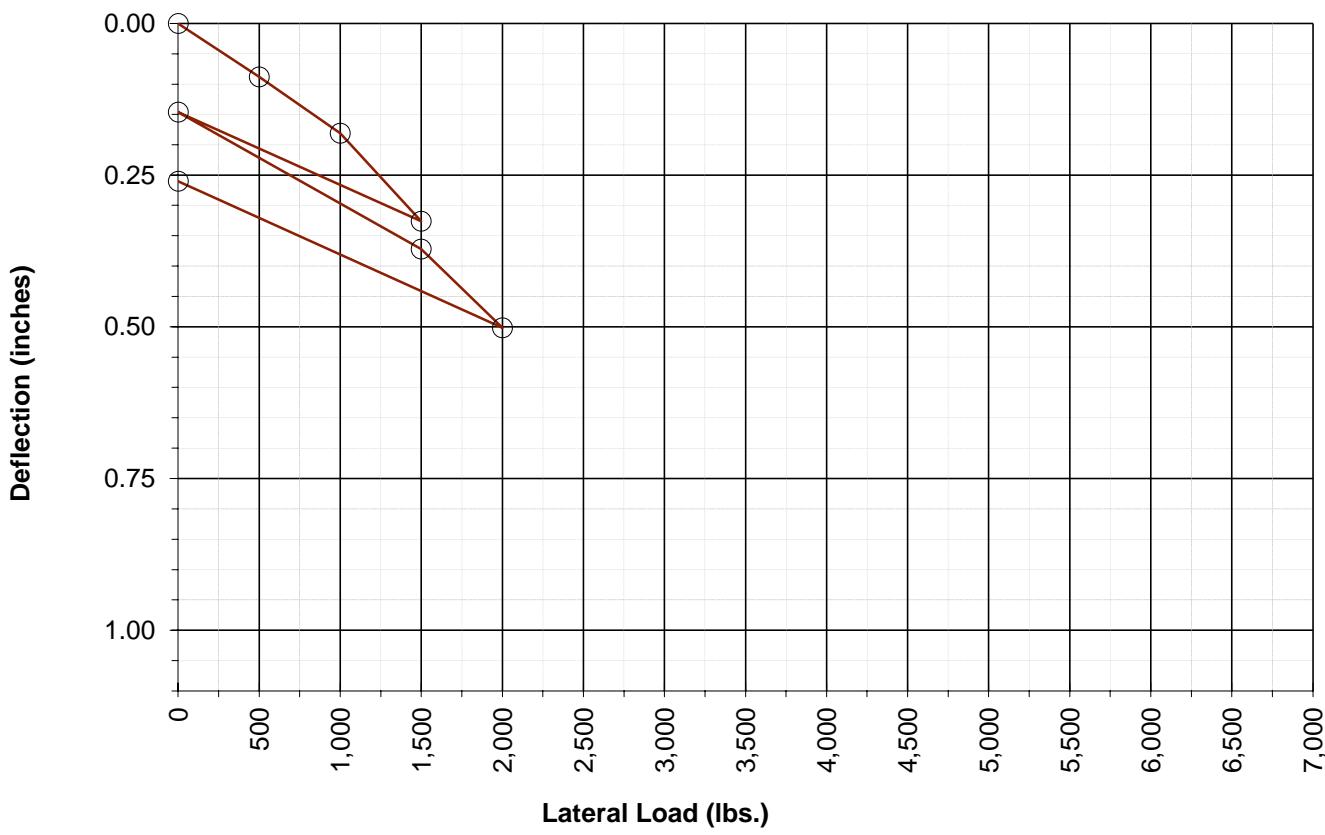
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/12/2023

Pile Information

Pile ID: PLT-10A
 Group Latitude [deg.]: 36.5025
 Group Longitude [deg.]: -120.2211
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 60
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 12

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.088	
14%	1,000	0.181	
21%	1,500	0.326	
0%	0	0.146	
21%	1,500	0.372	
29%	2,000	0.502	
36%	2,500		
0%	0	0.260	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-10B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

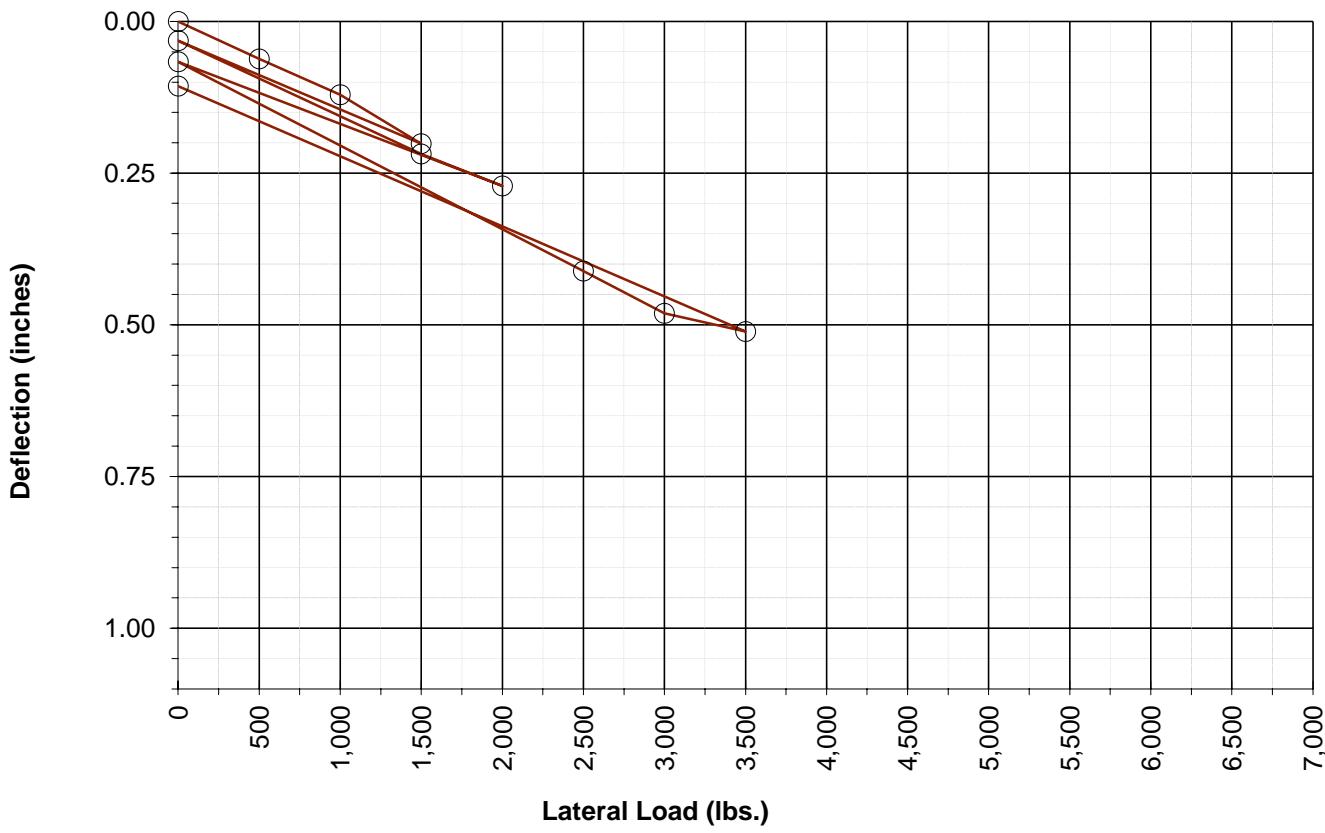
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/12/2023

Pile Information

Pile ID: PLT-10B
 Group Latitude [deg.]: 36.5025
 Group Longitude [deg.]: -120.2211
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 96
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 29

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.062	
14%	1,000	0.121	
21%	1,500	0.202	
0%	0	0.032	
21%	1,500	0.219	
29%	2,000	0.272	
36%	2,500		
0%	0	0.067	
36%	2,500	0.412	
43%	3,000	0.481	
50%	3,500	0.511	
0%	0	0.107	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-11A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

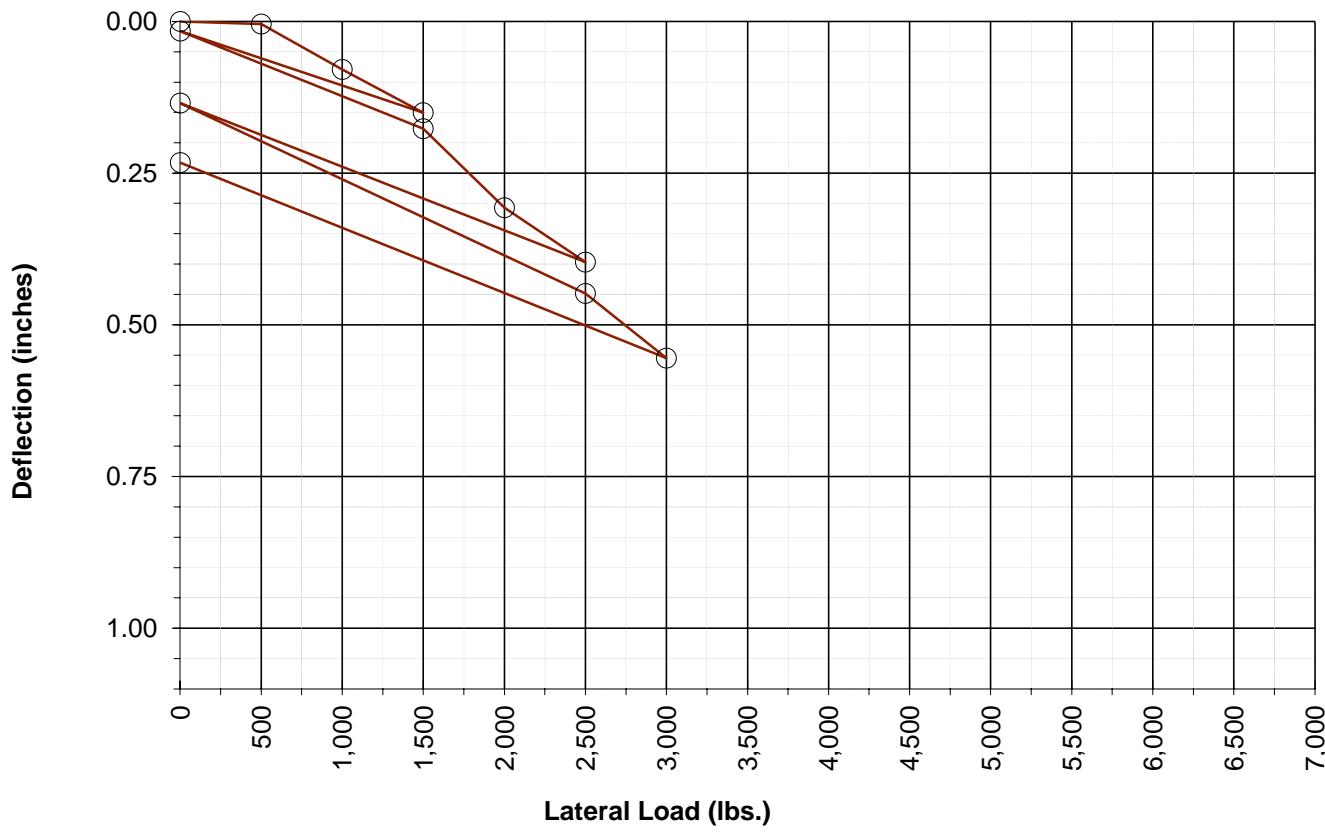
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/12/2023

Pile Information

Pile ID: PLT-11A
 Group Latitude [deg.]: 36.5079
 Group Longitude [deg.]: -120.2162
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 72
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 8

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.005	
14%	1,000	0.079	
21%	1,500	0.151	
0%	0	0.016	
21%	1,500	0.177	
29%	2,000	0.307	
36%	2,500	0.397	
0%	0	0.135	
36%	2,500	0.448	
43%	3,000	0.555	
50%	3,500		
0%	0	0.233	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-11B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

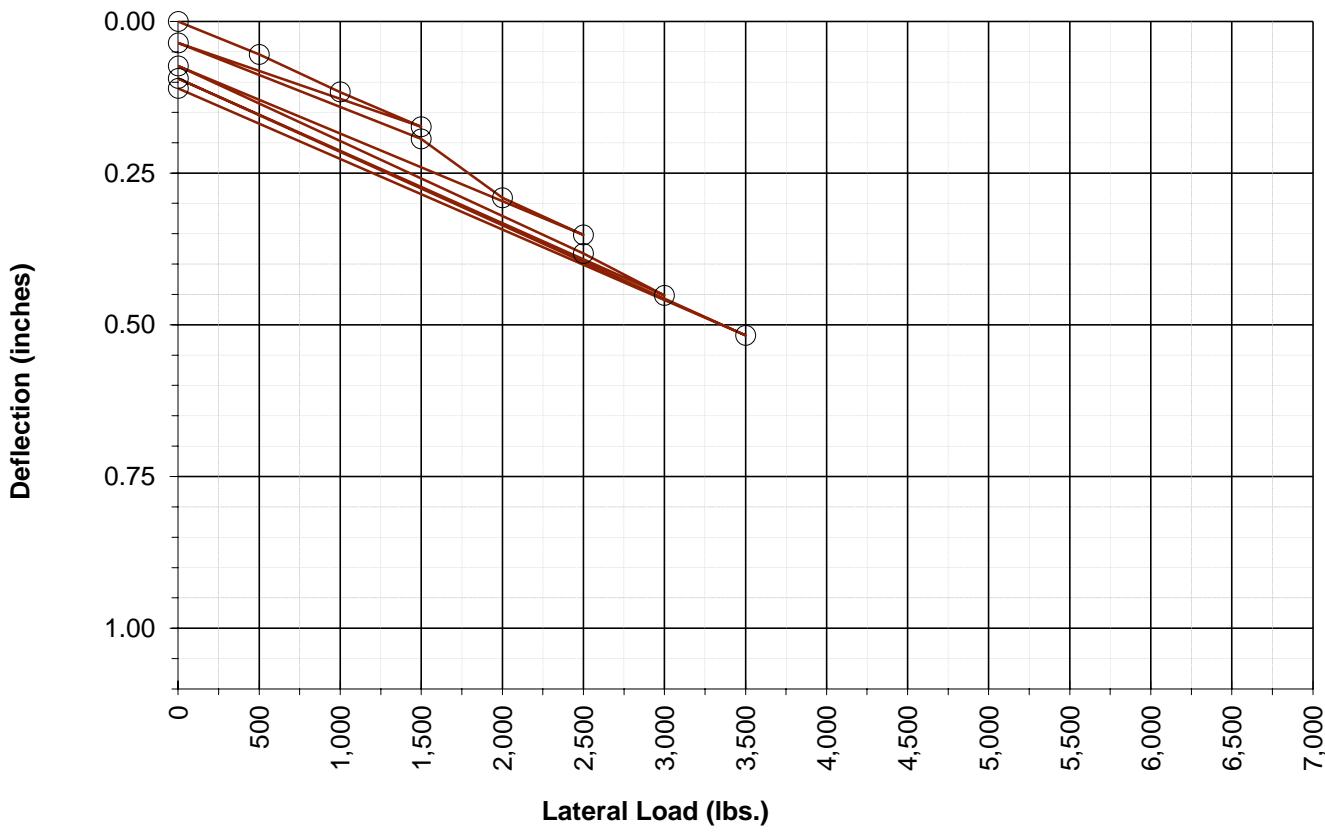
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/12/2023

Pile Information

Pile ID: PLT-11B
 Group Latitude [deg.]: 36.5079
 Group Longitude [deg.]: -120.2162
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 108
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 18

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.054	
14%	1,000	0.117	
21%	1,500	0.174	
0%	0	0.036	
21%	1,500	0.194	
29%	2,000	0.291	
36%	2,500	0.352	
0%	0	0.074	
36%	2,500	0.382	
43%	3,000	0.452	
50%	3,500		
0%	0	0.094	
50%	3,500	0.517	
57%	4,000		
64%	4,500		
0%	0	0.110	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-12A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

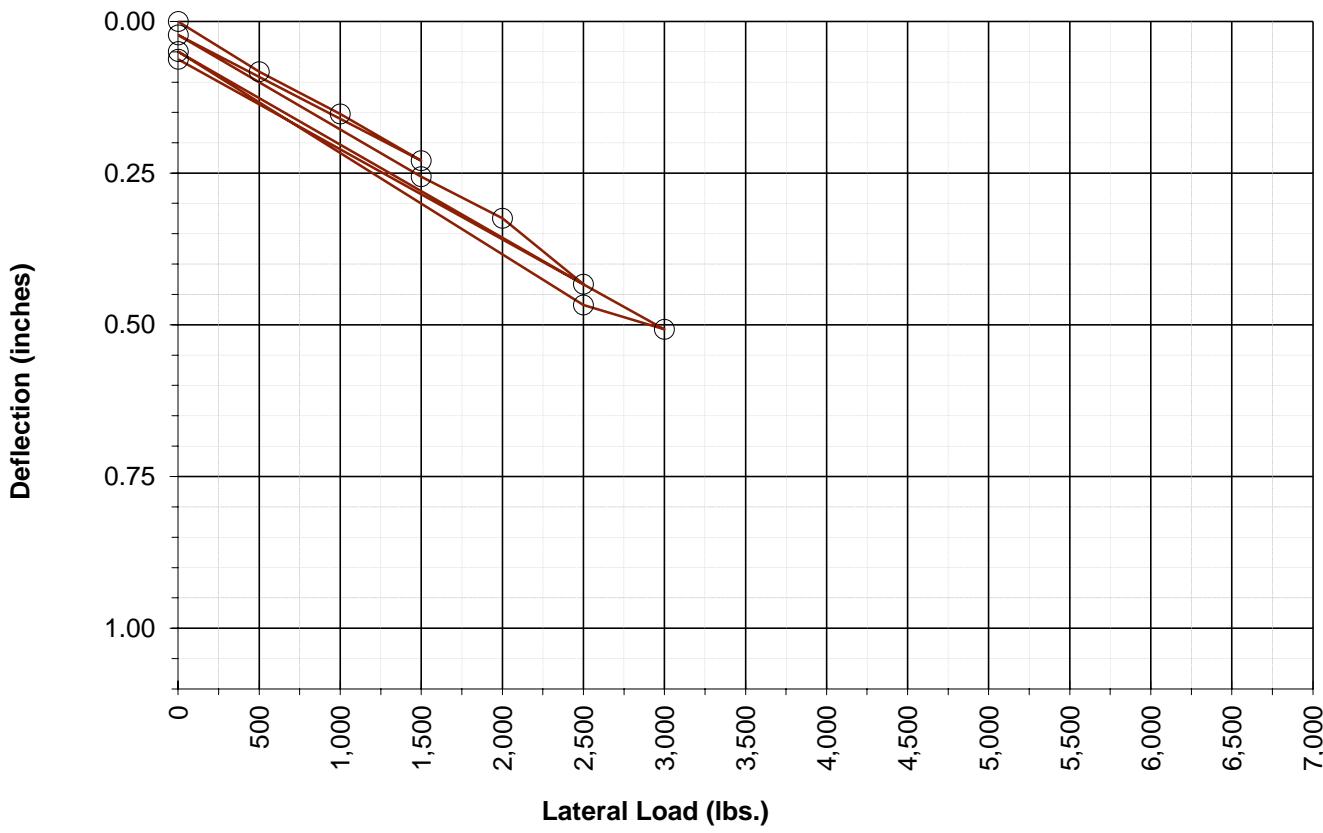
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/12/2023

Pile Information

Pile ID: PLT-12A
 Group Latitude [deg.]: 36.5025
 Group Longitude [deg.]: -120.2097
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 84
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 38

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.083	
14%	1,000	0.152	
21%	1,500	0.230	
0%	0	0.022	
21%	1,500	0.256	
29%	2,000	0.325	
36%	2,500	0.433	
0%	0	0.050	
36%	2,500	0.467	
43%	3,000	0.508	
50%	3,500		
0%	0	0.062	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-12B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

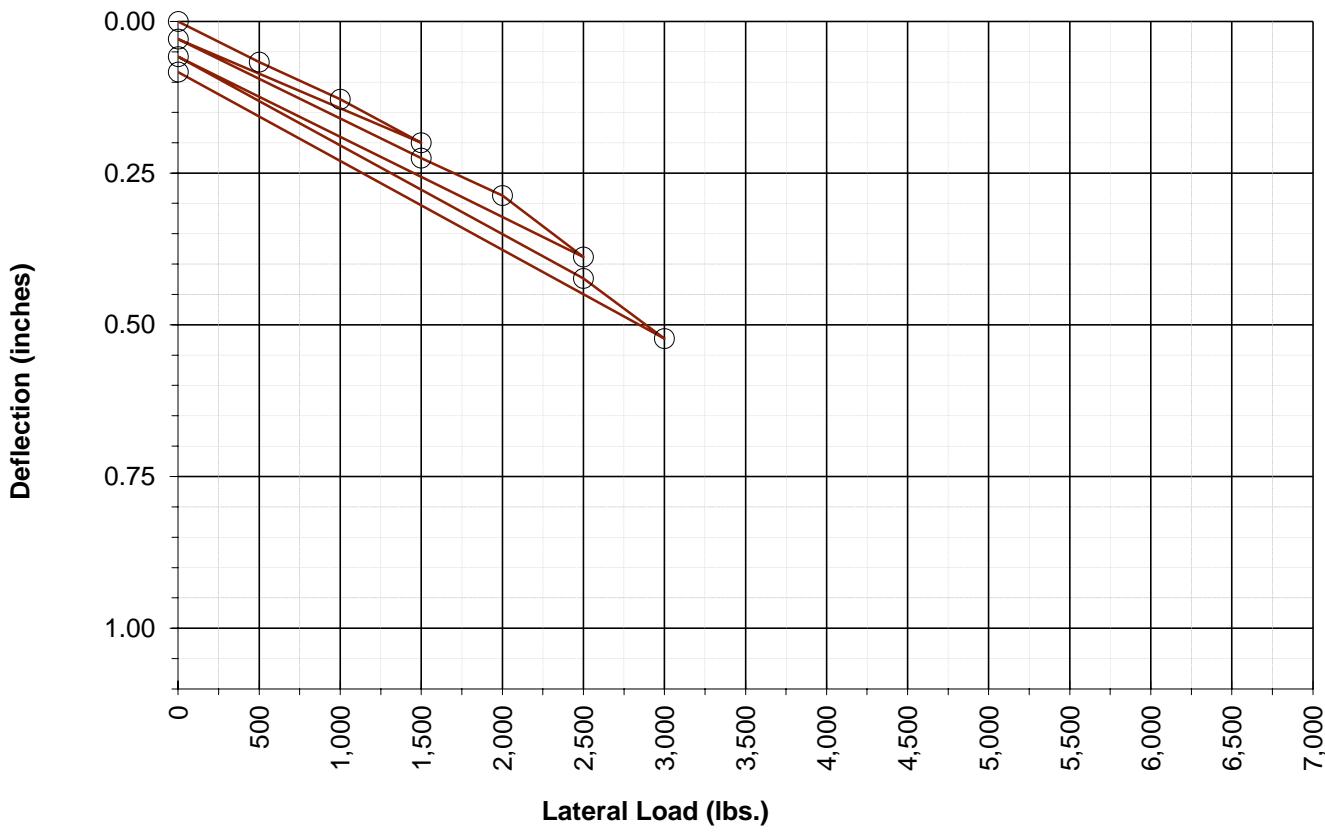
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/12/2023

Pile Information

Pile ID: PLT-12B
 Group Latitude [deg.]: 36.5025
 Group Longitude [deg.]: -120.2097
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 120
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 74

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.067	
14%	1,000	0.128	
21%	1,500	0.200	
0%	0	0.029	
21%	1,500	0.225	
29%	2,000	0.287	
36%	2,500	0.389	
0%	0	0.058	
36%	2,500	0.424	
43%	3,000	0.523	
50%	3,500		
0%	0	0.084	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-13A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

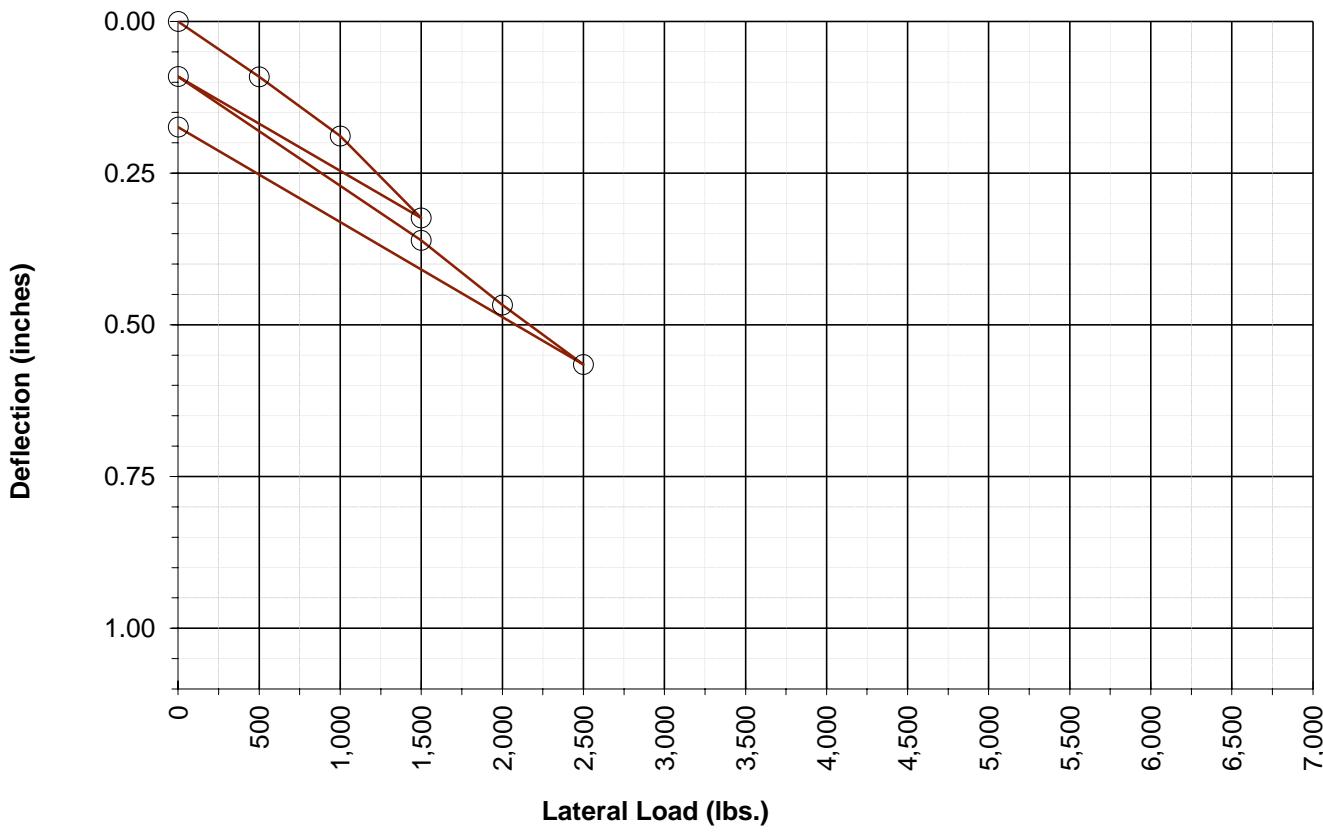
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/9/2023

Pile Information

Pile ID: PLT-13A
 Group Latitude [deg.]: 36.5062
 Group Longitude [deg.]: -120.2043
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 60
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 17

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.092	
14%	1,000	0.189	
21%	1,500	0.324	
0%	0	0.091	
21%	1,500	0.361	
29%	2,000	0.468	
36%	2,500	0.565	
0%	0	0.174	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-13B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

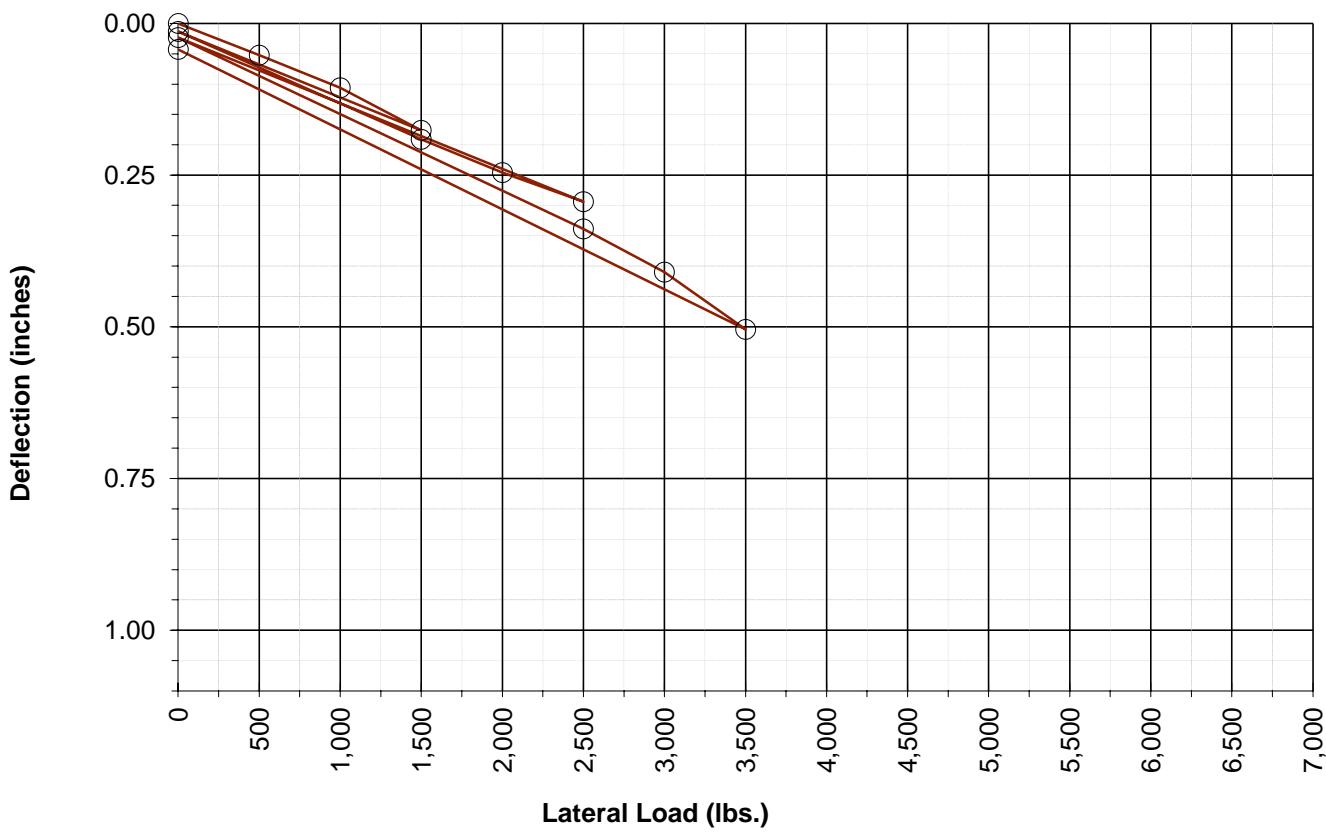
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/9/2023

Pile Information

Pile ID: PLT-13B
 Group Latitude [deg.]: 36.5062
 Group Longitude [deg.]: -120.2043
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 84
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 48

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.053	
14%	1,000	0.106	
21%	1,500	0.176	
0%	0	0.014	
21%	1,500	0.191	
29%	2,000	0.246	
36%	2,500	0.294	
0%	0	0.023	
36%	2,500	0.339	
43%	3,000	0.410	
50%	3,500	0.504	
0%	0	0.043	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-14A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

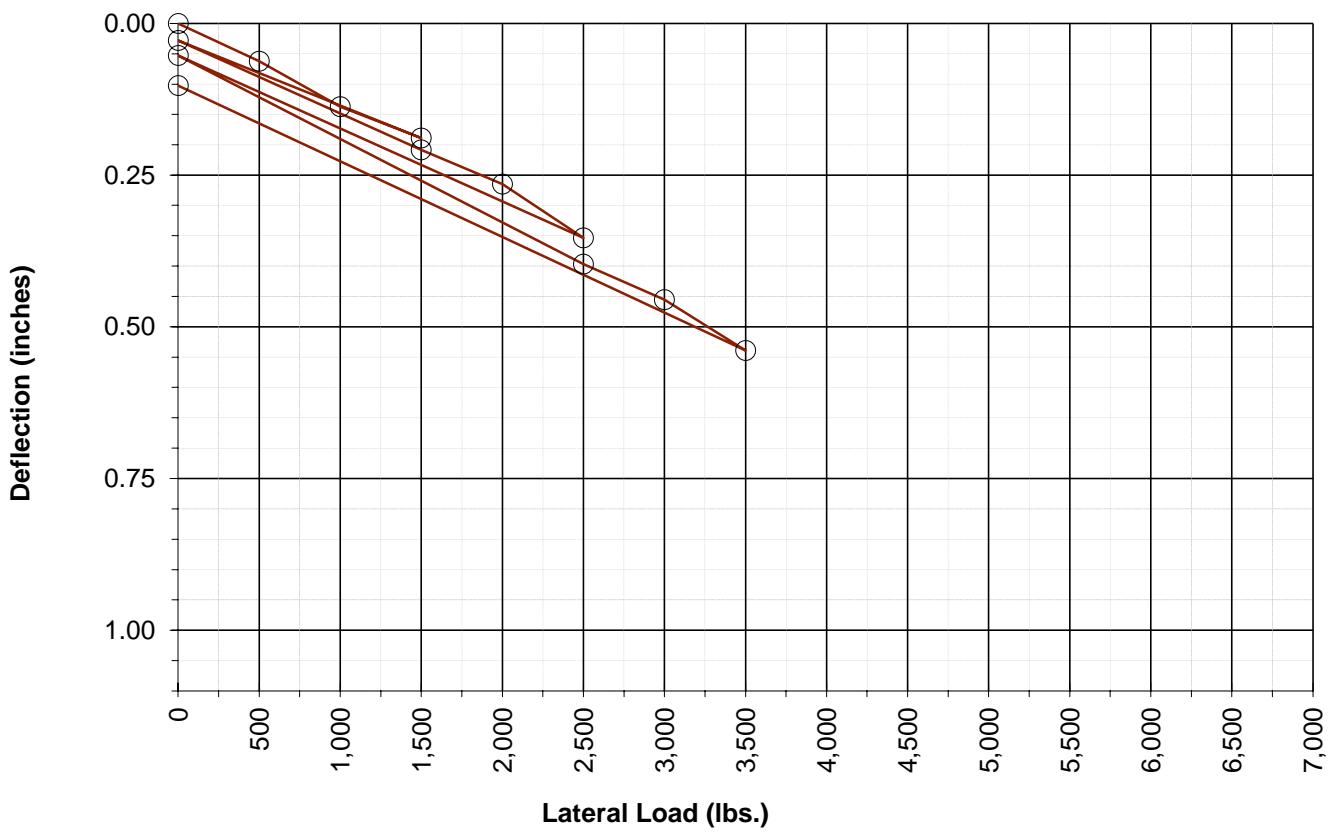
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/9/2023

Pile Information

Pile ID: PLT-14A
 Group Latitude [deg.]: 36.5031
 Group Longitude [deg.]: -120.1963
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 72
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 30

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.062	
14%	1,000	0.137	
21%	1,500	0.189	
0%	0	0.028	
21%	1,500	0.209	
29%	2,000	0.265	
36%	2,500	0.354	
0%	0	0.053	
36%	2,500	0.397	
43%	3,000	0.456	
50%	3,500	0.539	
0%	0	0.103	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-14B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

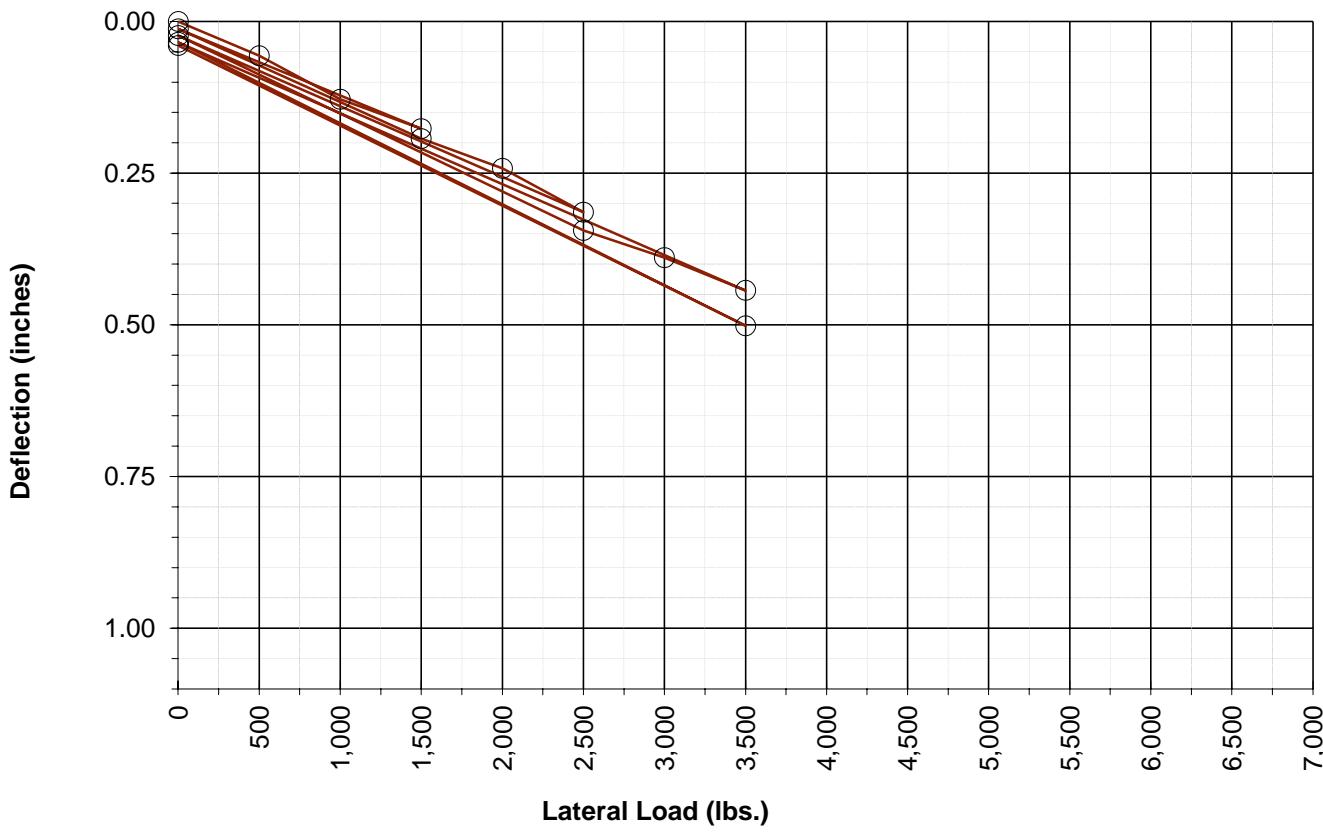
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/9/2023

Pile Information

Pile ID: PLT-14B
 Group Latitude [deg.]: 36.5031
 Group Longitude [deg.]: -120.1963
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 108
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 42

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.057	
14%	1,000	0.129	
21%	1,500	0.177	
0%	0	0.013	
21%	1,500	0.193	
29%	2,000	0.242	
36%	2,500	0.314	
0%	0	0.024	
36%	2,500	0.345	
43%	3,000	0.389	
50%	3,500	0.444	
0%	0	0.034	
50%	3,500	0.502	
57%	4,000		
64%	4,500		
0%	0	0.040	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-15A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

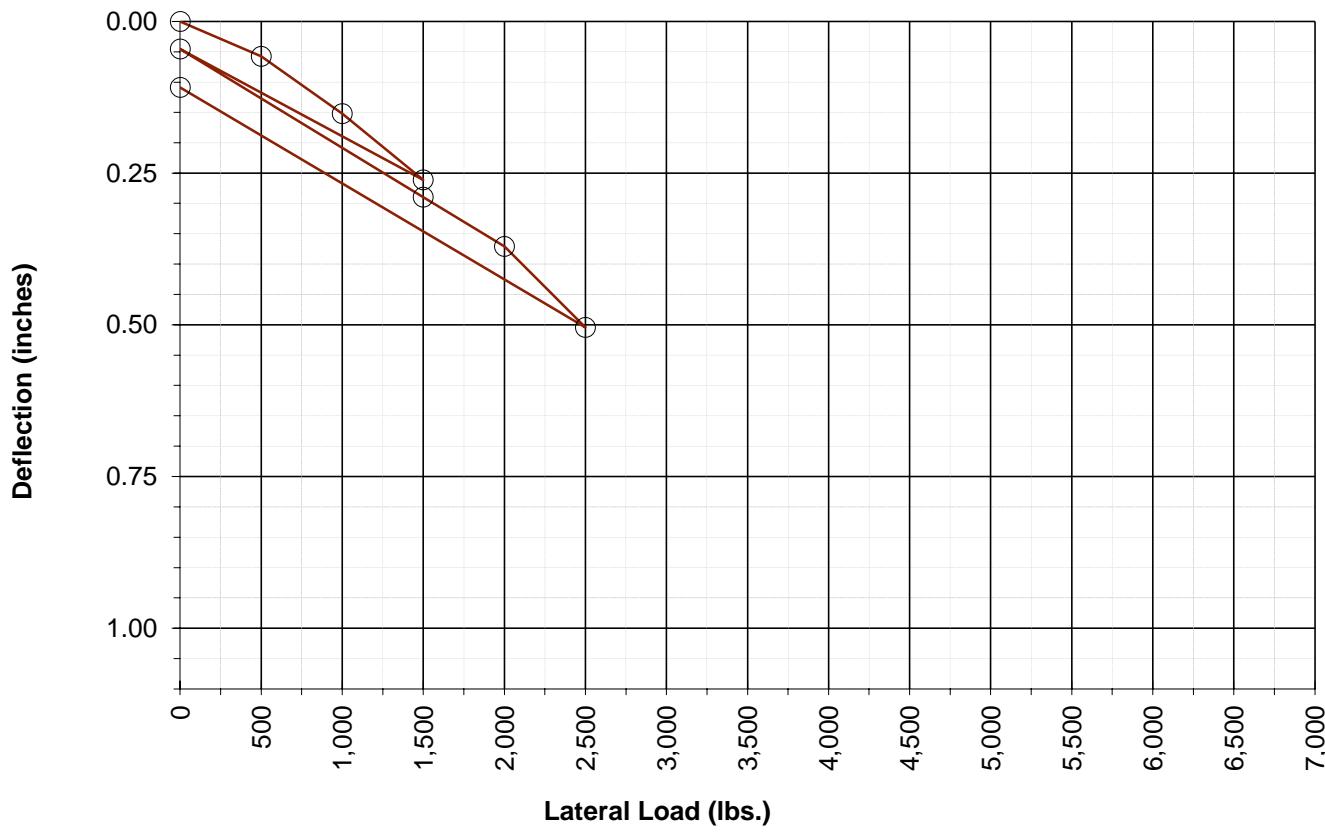
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/9/2023

Pile Information

Pile ID: PLT-15A
 Group Latitude [deg.]: 36.5072
 Group Longitude [deg.]: -120.1932
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 72
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 27

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.058	
14%	1,000	0.152	
21%	1,500	0.261	
0%	0	0.046	
21%	1,500	0.290	
29%	2,000	0.371	
36%	2,500	0.504	
0%	0	0.109	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-15B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

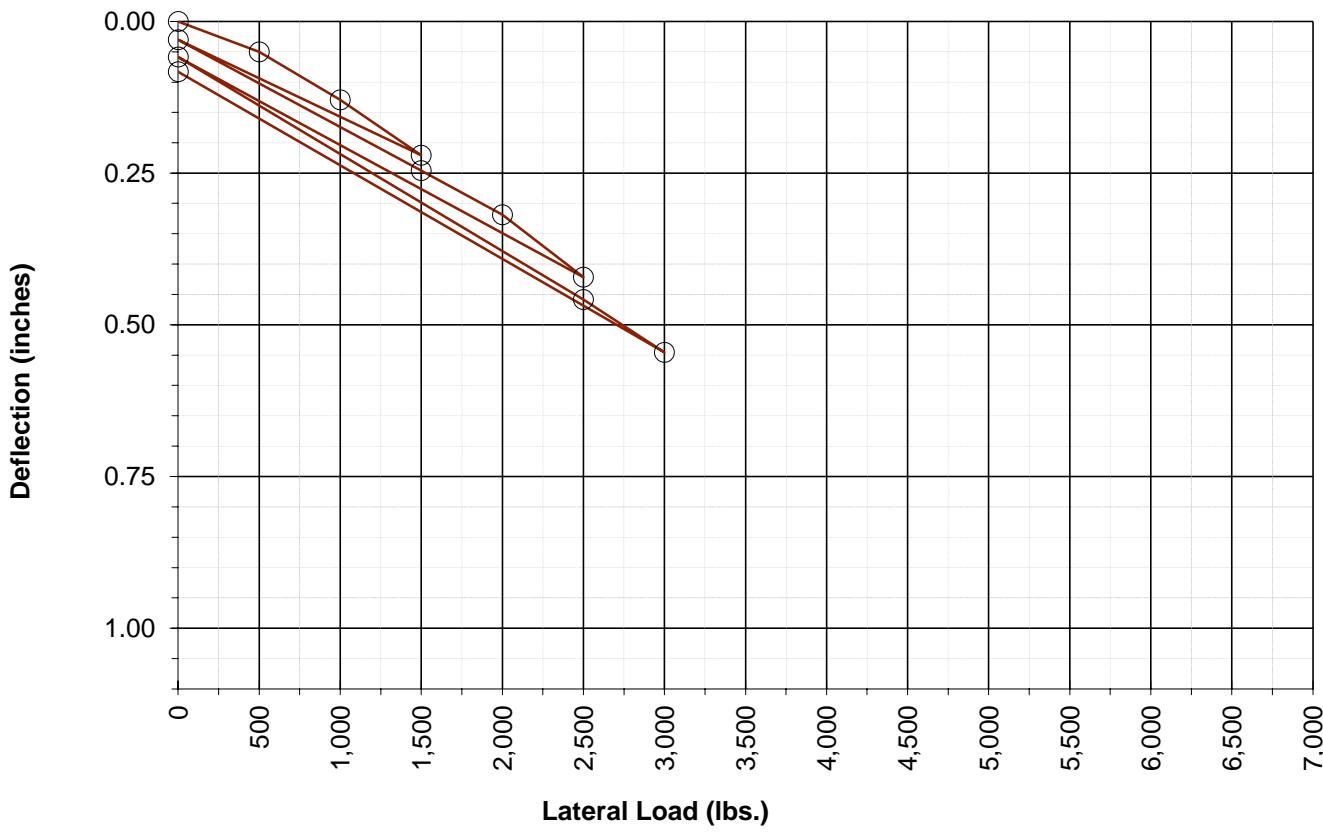
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/9/2023

Pile Information

Pile ID: PLT-15B
 Group Latitude [deg.]: 36.5072
 Group Longitude [deg.]: -120.1932
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 120
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 61

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.051	
14%	1,000	0.130	
21%	1,500	0.221	
0%	0	0.030	
21%	1,500	0.246	
29%	2,000	0.319	
36%	2,500	0.422	
0%	0	0.059	
36%	2,500	0.459	
43%	3,000	0.545	
50%	3,500		
0%	0	0.083	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-16A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

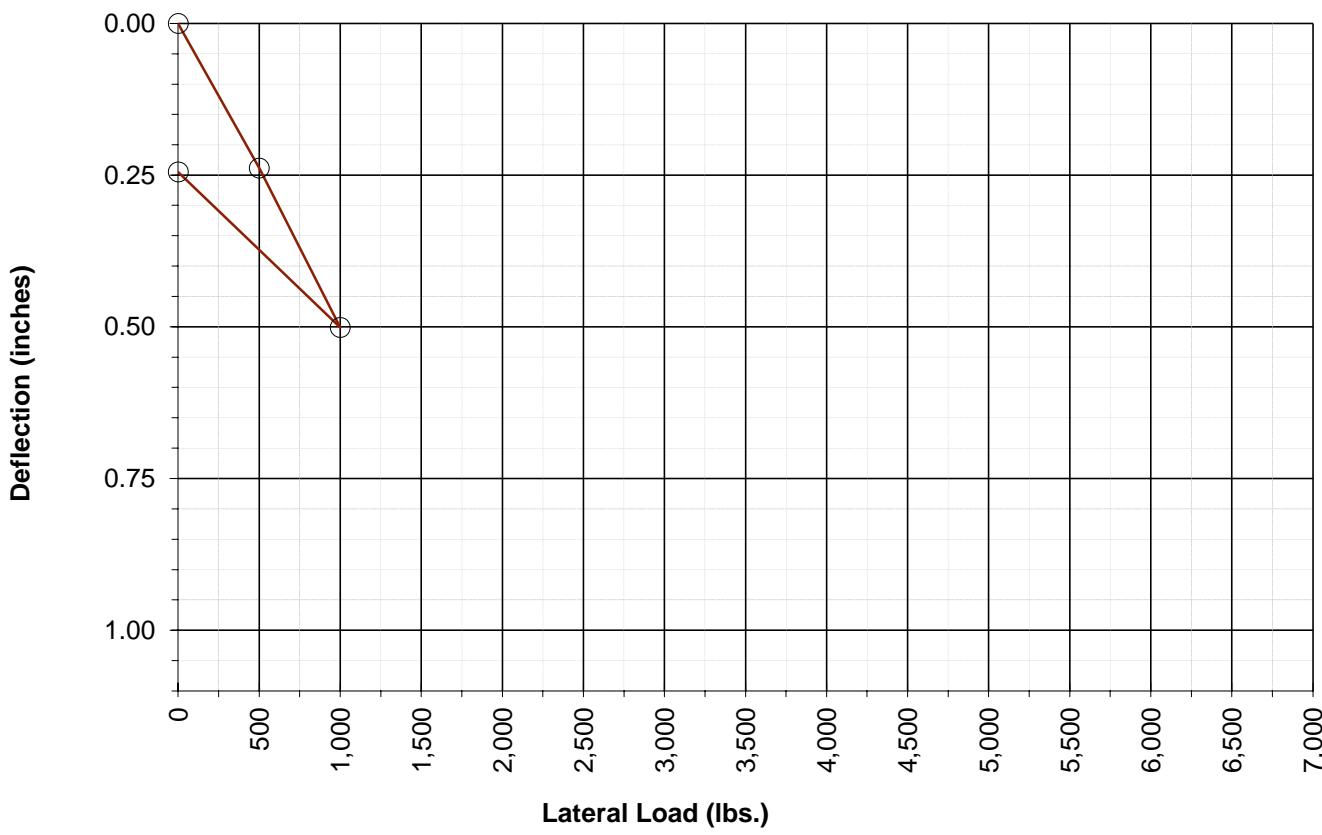
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/10/2023

Pile Information

Pile ID: PLT-16A
 Group Latitude [deg.]: 36.5060
 Group Longitude [deg.]: -120.1803
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 60
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 13

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.239	
14%	1,000	0.501	
21%	1,500		
0%	0	0.245	
21%	1,500		
29%	2,000		
36%	2,500		
0%	0		
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-16B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/10/2023

Pile Information

Pile ID: PLT-16B
 Group Latitude [deg.]: 36.5060
 Group Longitude [deg.]: -120.1803
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 96
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 70

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.111	
14%	1,000	0.260	
21%	1,500		
0%	0	0.015	
21%	1,500	0.417	
29%	2,000	0.519	
36%	2,500		
0%	0	0.040	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-17A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

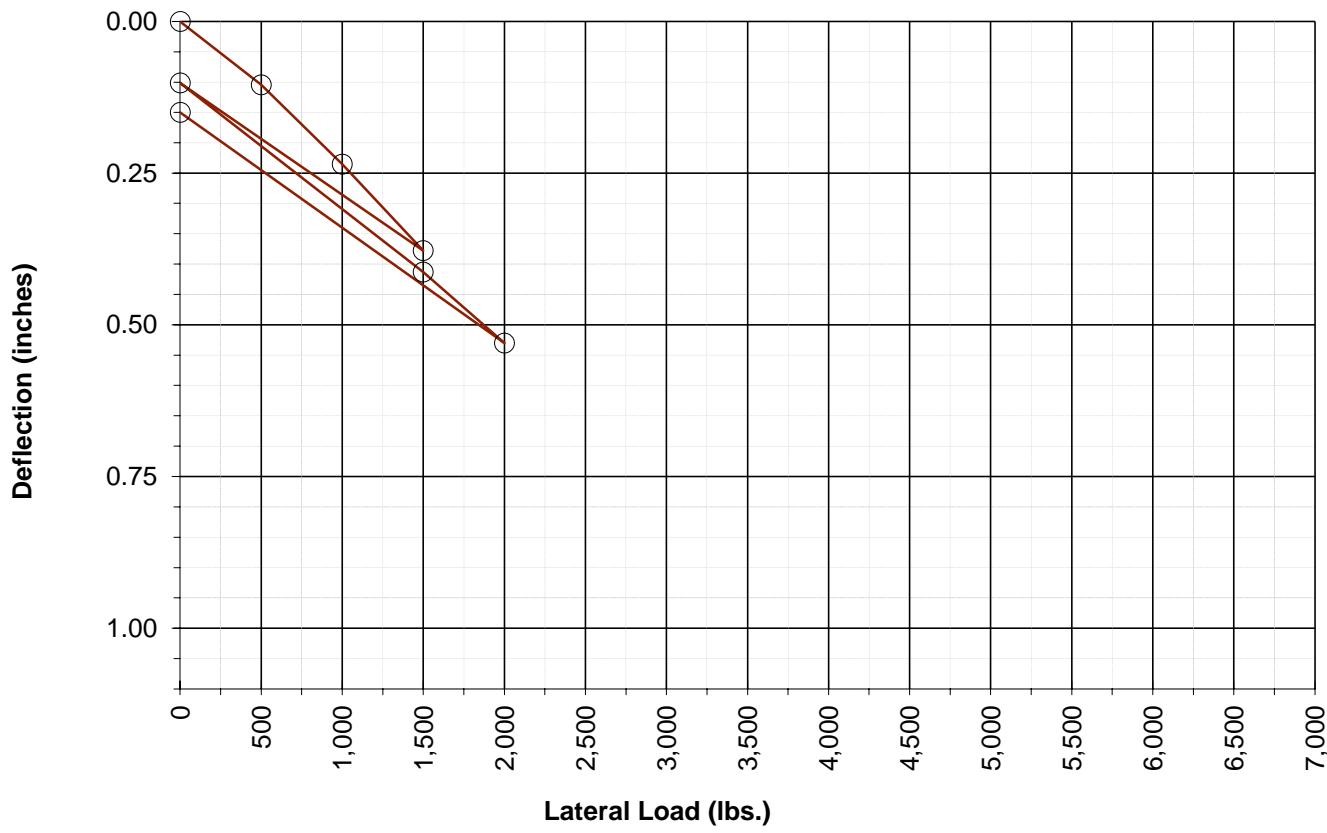
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/10/2023

Pile Information

Pile ID: PLT-17A
 Group Latitude [deg.]: 36.5101
 Group Longitude [deg.]: -120.1805
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 72
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 29

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.105	
14%	1,000	0.235	
21%	1,500	0.378	
0%	0	0.102	
21%	1,500	0.413	
29%	2,000	0.530	
36%	2,500		
0%	0	0.150	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-17B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

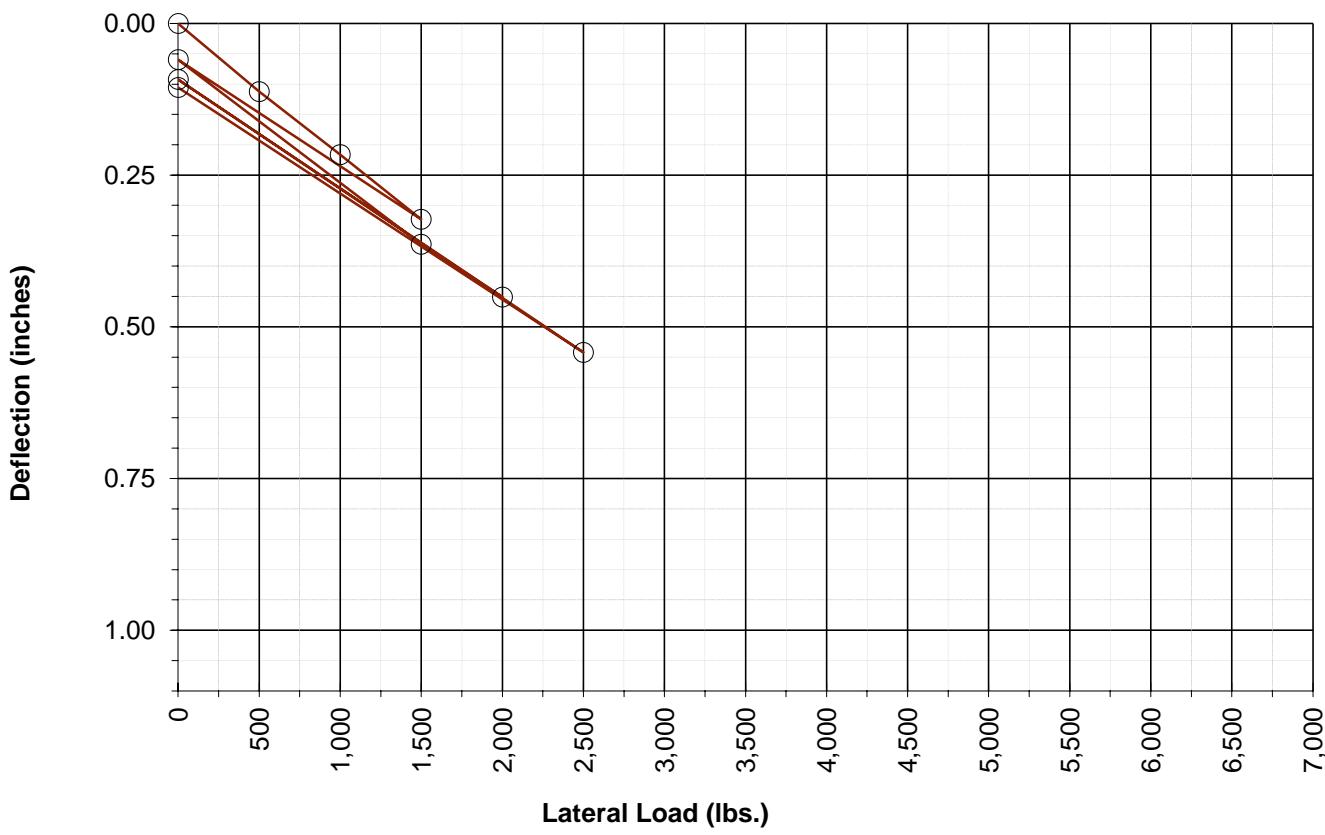
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/10/2023

Pile Information

Pile ID: PLT-17B
 Group Latitude [deg.]: 36.5101
 Group Longitude [deg.]: -120.1805
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 108
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 50

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.113	
14%	1,000	0.216	
21%	1,500	0.323	
0%	0	0.060	
21%	1,500	0.364	
29%	2,000	0.451	
36%	2,500		
0%	0	0.093	
36%	2,500	0.542	
43%	3,000		
50%	3,500		
0%	0	0.106	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-18A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

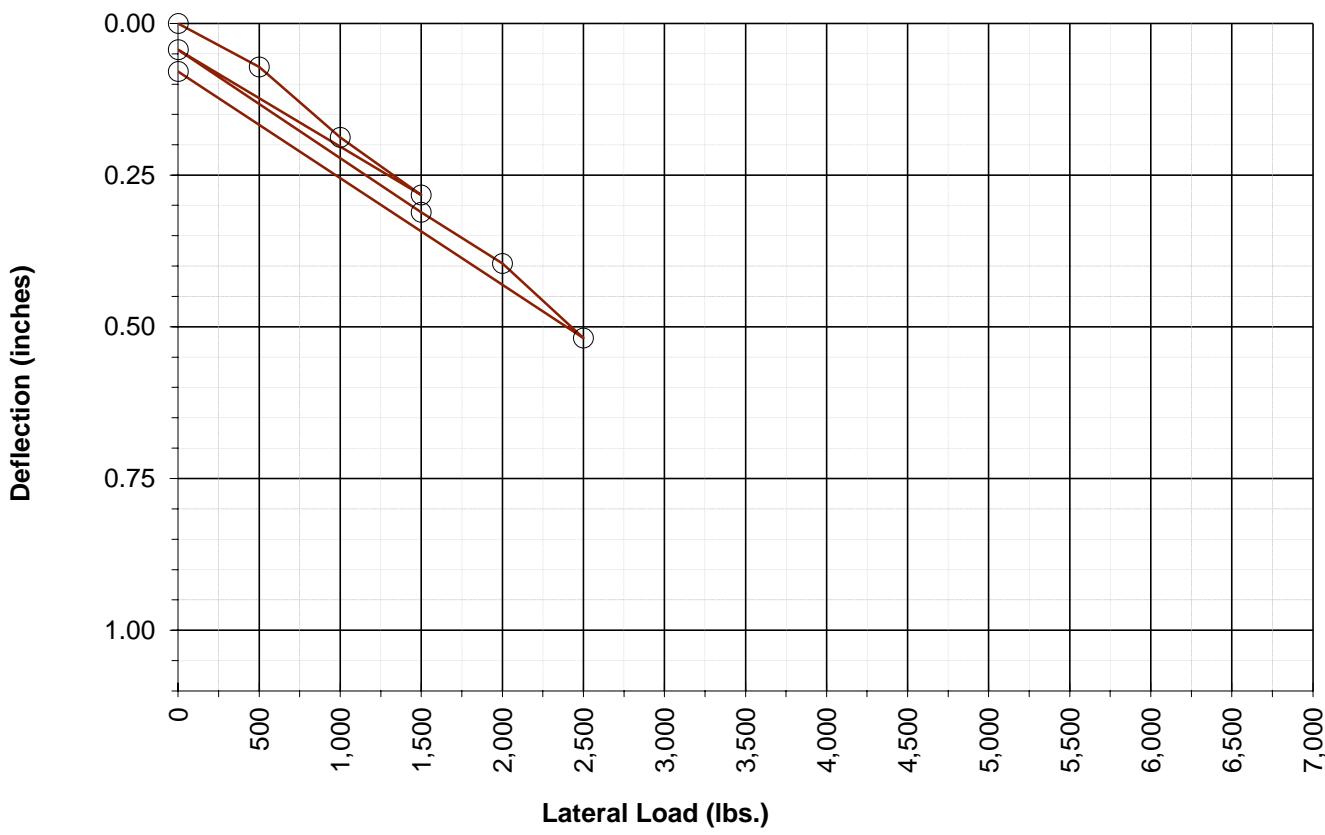
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/10/2023

Pile Information

Pile ID: PLT-18A
 Group Latitude [deg.]: 36.5145
 Group Longitude [deg.]: -120.1810
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 84
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 15

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.072	
14%	1,000	0.188	
21%	1,500	0.283	
0%	0	0.043	
21%	1,500	0.311	
29%	2,000	0.396	
36%	2,500	0.519	
0%	0	0.080	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-18B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

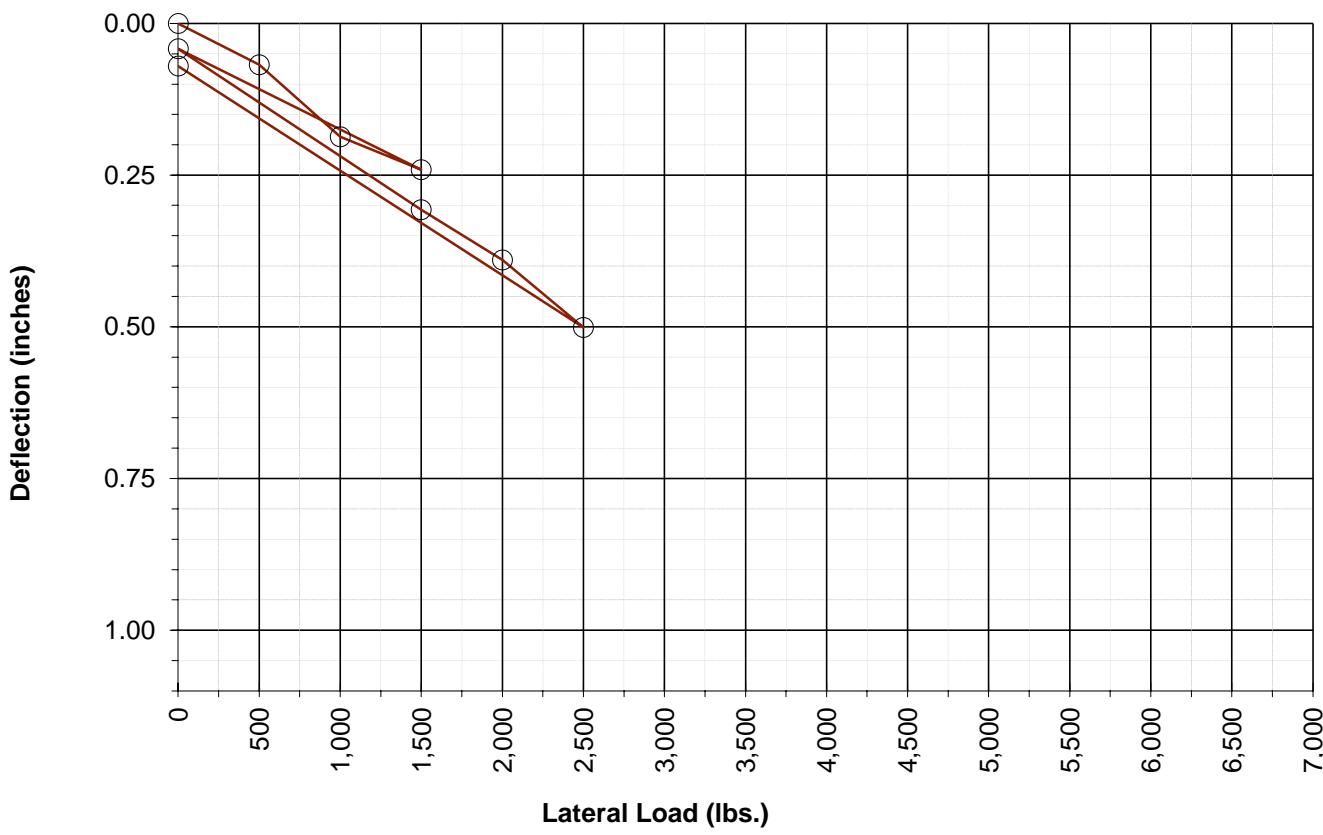
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/10/2023

Pile Information

Pile ID: PLT-18B
 Group Latitude [deg.]: 36.5145
 Group Longitude [deg.]: -120.1810
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 120
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 90

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.068	
14%	1,000	0.187	
21%	1,500	0.241	
0%	0	0.042	
21%	1,500	0.307	
29%	2,000	0.390	
36%	2,500	0.501	
0%	0	0.070	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-19A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

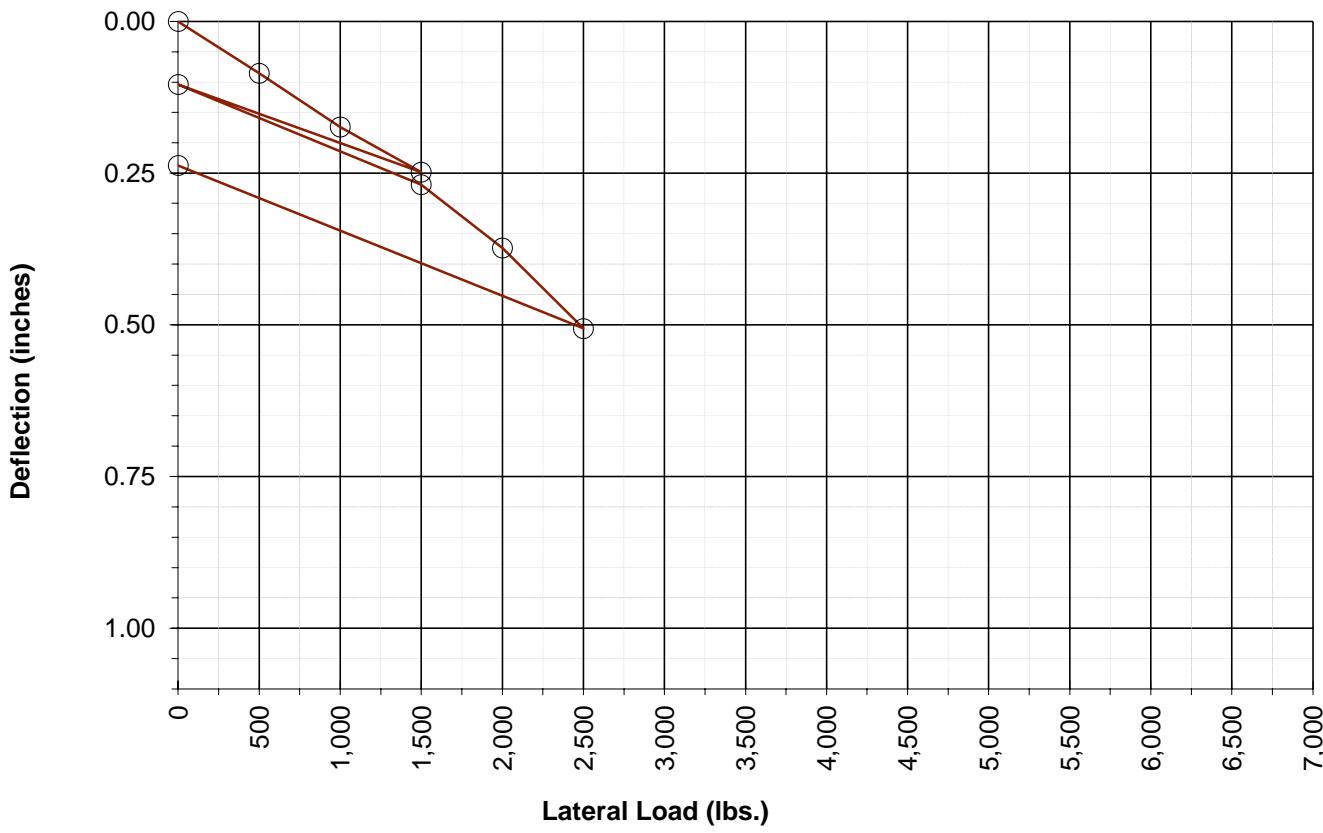
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/4/2023

Pile Information

Pile ID: PLT-19A
 Group Latitude [deg.]: 36.4997
 Group Longitude [deg.]: -120.2248
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 60
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 10

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.086	
14%	1,000	0.174	
21%	1,500	0.249	
0%	0	0.104	
21%	1,500	0.269	
29%	2,000	0.374	
36%	2,500	0.506	
0%	0	0.237	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-19B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

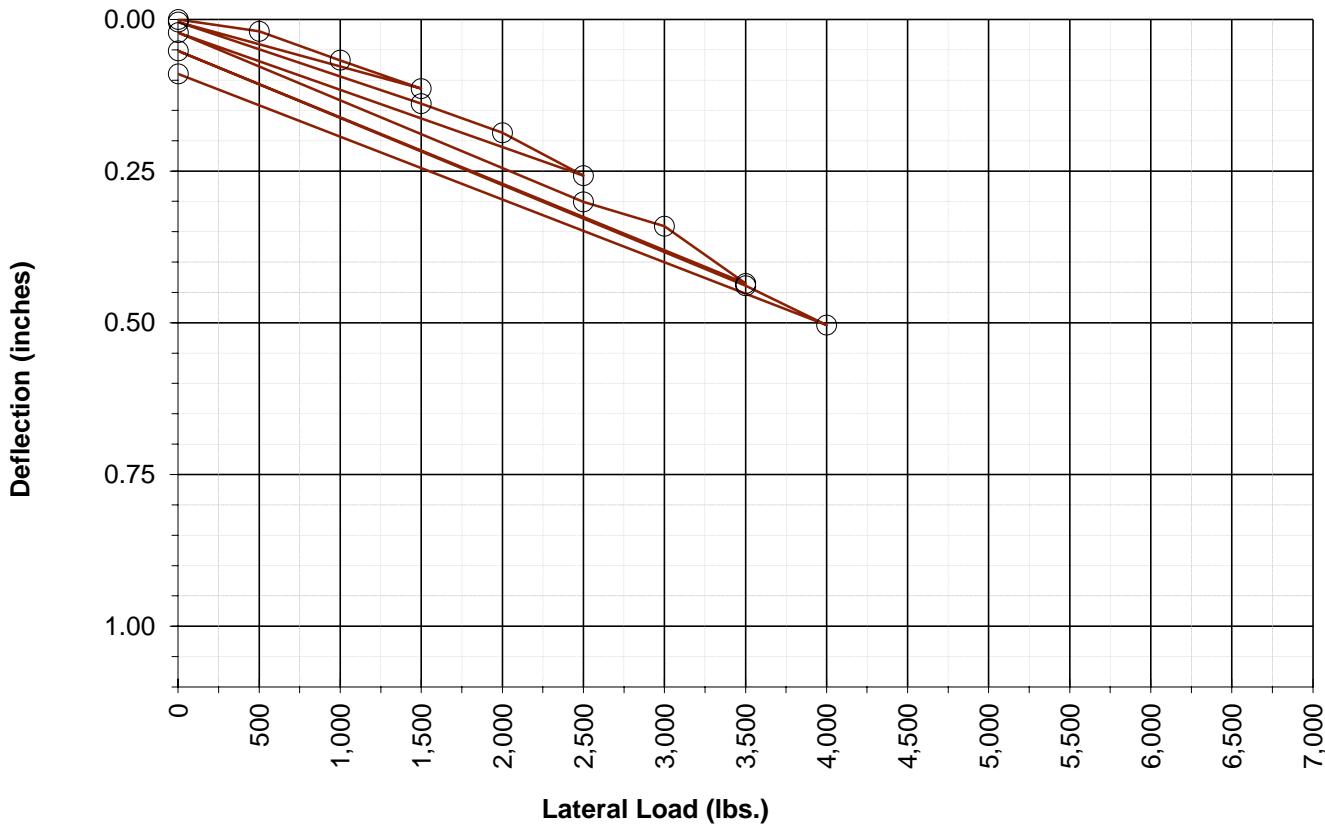
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/4/2023

Pile Information

Pile ID: PLT-19B
 Group Latitude [deg.]: 36.4997
 Group Longitude [deg.]: -120.2248
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 96
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 21

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.020	
14%	1,000	0.068	
21%	1,500	0.114	
0%	0	0.005	
21%	1,500	0.139	
29%	2,000	0.187	
36%	2,500	0.258	
0%	0	0.022	
36%	2,500	0.301	
43%	3,000	0.341	
50%	3,500	0.435	
0%	0	0.052	
50%	3,500	0.439	
57%	4,000	0.504	
64%	4,500		
0%	0	0.090	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-20A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

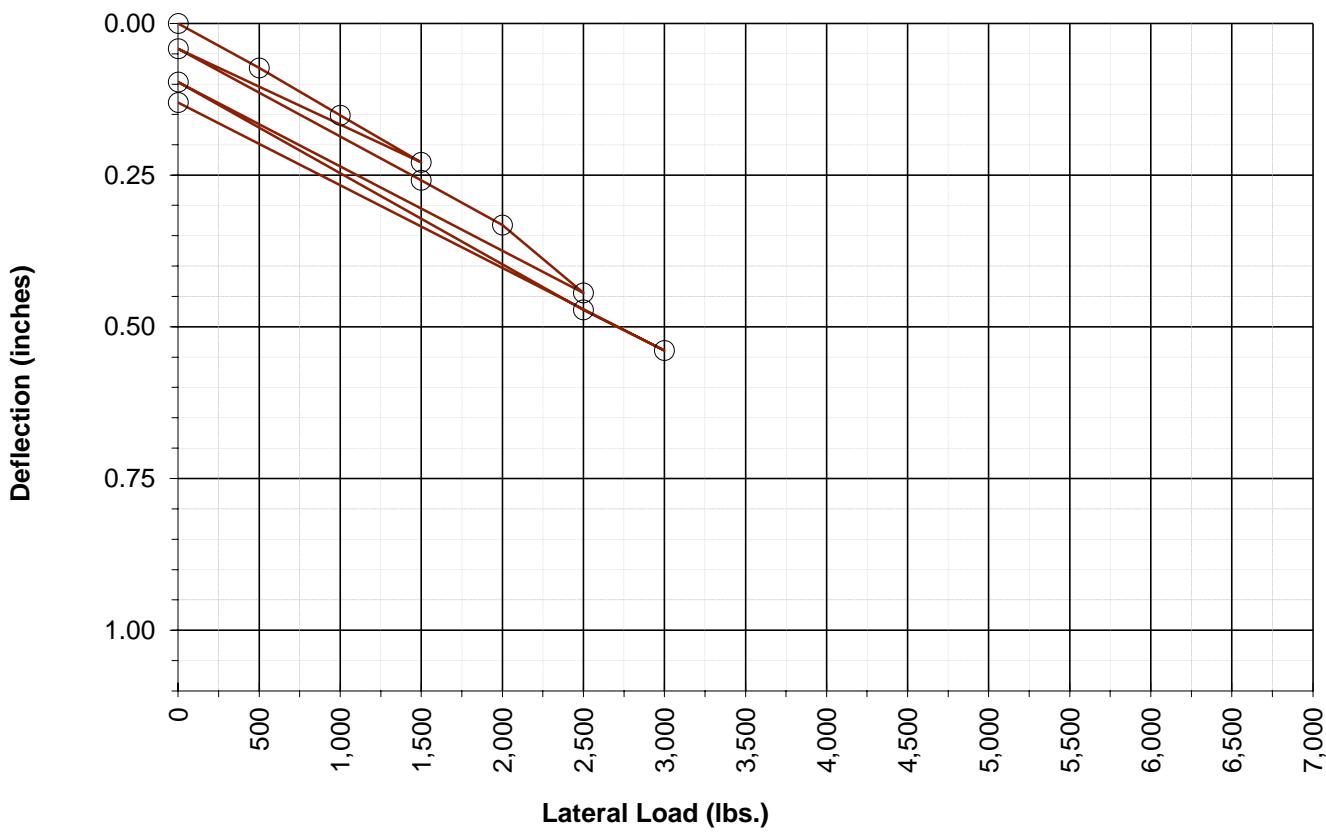
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 2/23/2023

Pile Information

Pile ID: PLT-20A
 Group Latitude [deg.]: 36.4616
 Group Longitude [deg.]: -120.2290
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 72
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 28

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.073	
14%	1,000	0.151	
21%	1,500	0.229	
0%	0	0.042	
21%	1,500	0.259	
29%	2,000	0.333	
36%	2,500	0.444	
0%	0	0.097	
36%	2,500	0.472	
43%	3,000	0.539	
50%	3,500		
0%	0	0.131	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-20B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

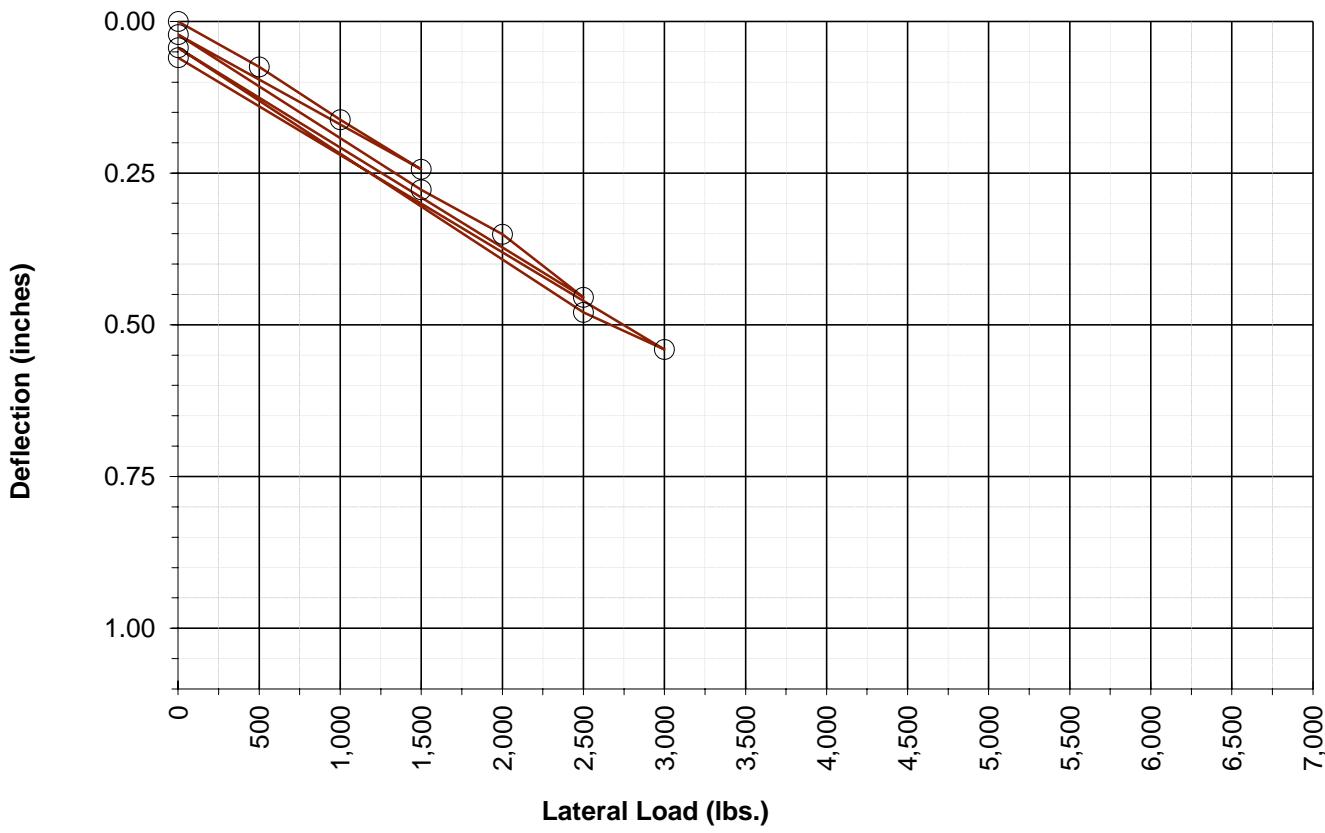
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/11/2023

Pile Information

Pile ID: PLT-20B
 Group Latitude [deg.]: 36.4616
 Group Longitude [deg.]: -120.2290
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 108
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 64

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.075	
14%	1,000	0.162	
21%	1,500	0.244	
0%	0	0.022	
21%	1,500	0.277	
29%	2,000	0.351	
36%	2,500	0.455	
0%	0	0.044	
36%	2,500	0.480	
43%	3,000	0.541	
50%	3,500		
0%	0	0.060	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-21A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

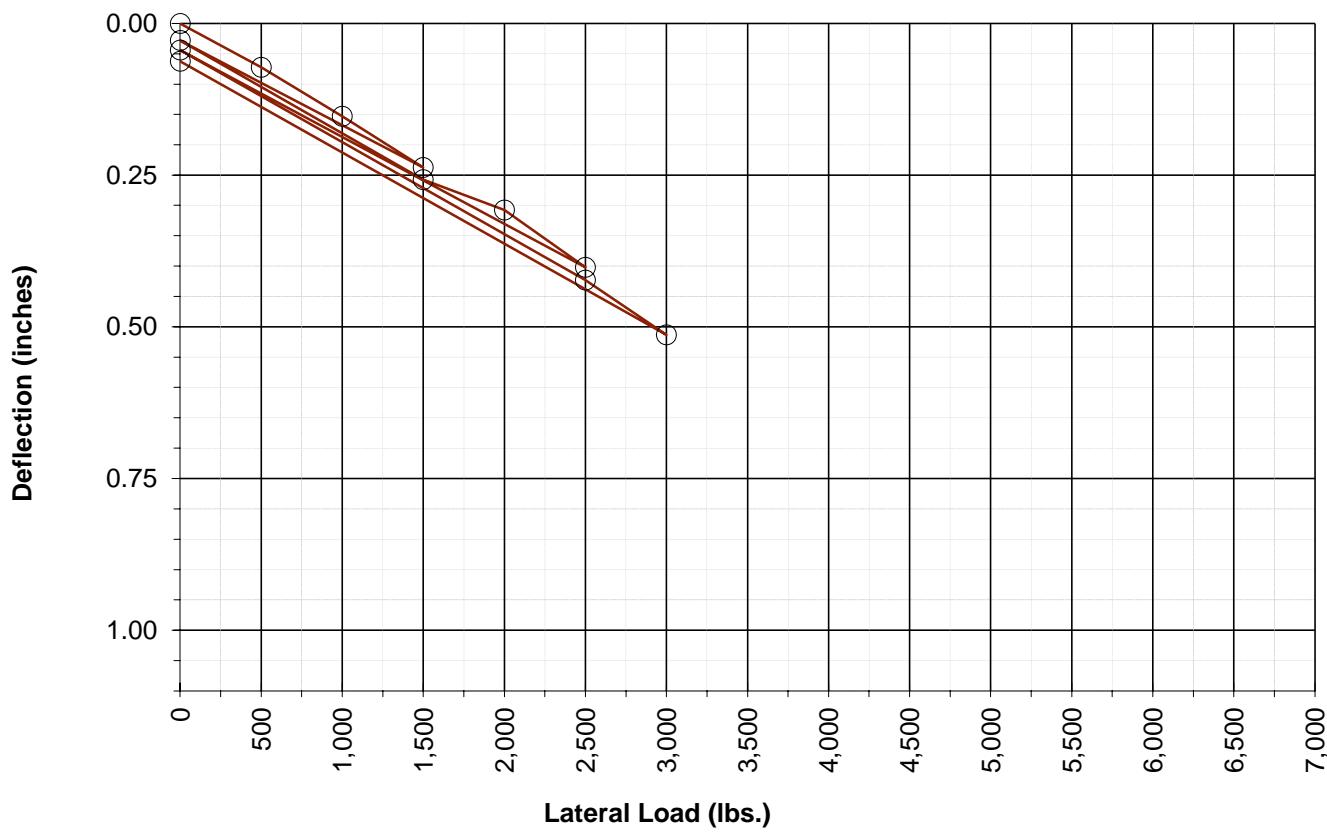
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/11/2023

Pile Information

Pile ID: PLT-21A
 Group Latitude [deg.]: 36.4917
 Group Longitude [deg.]: -120.2151
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 84
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 60

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.072	
14%	1,000	0.153	
21%	1,500	0.238	
0%	0	0.028	
21%	1,500	0.258	
29%	2,000	0.307	
36%	2,500	0.402	
0%	0	0.044	
36%	2,500	0.423	
43%	3,000	0.513	
50%	3,500		
0%	0	0.063	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-21B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

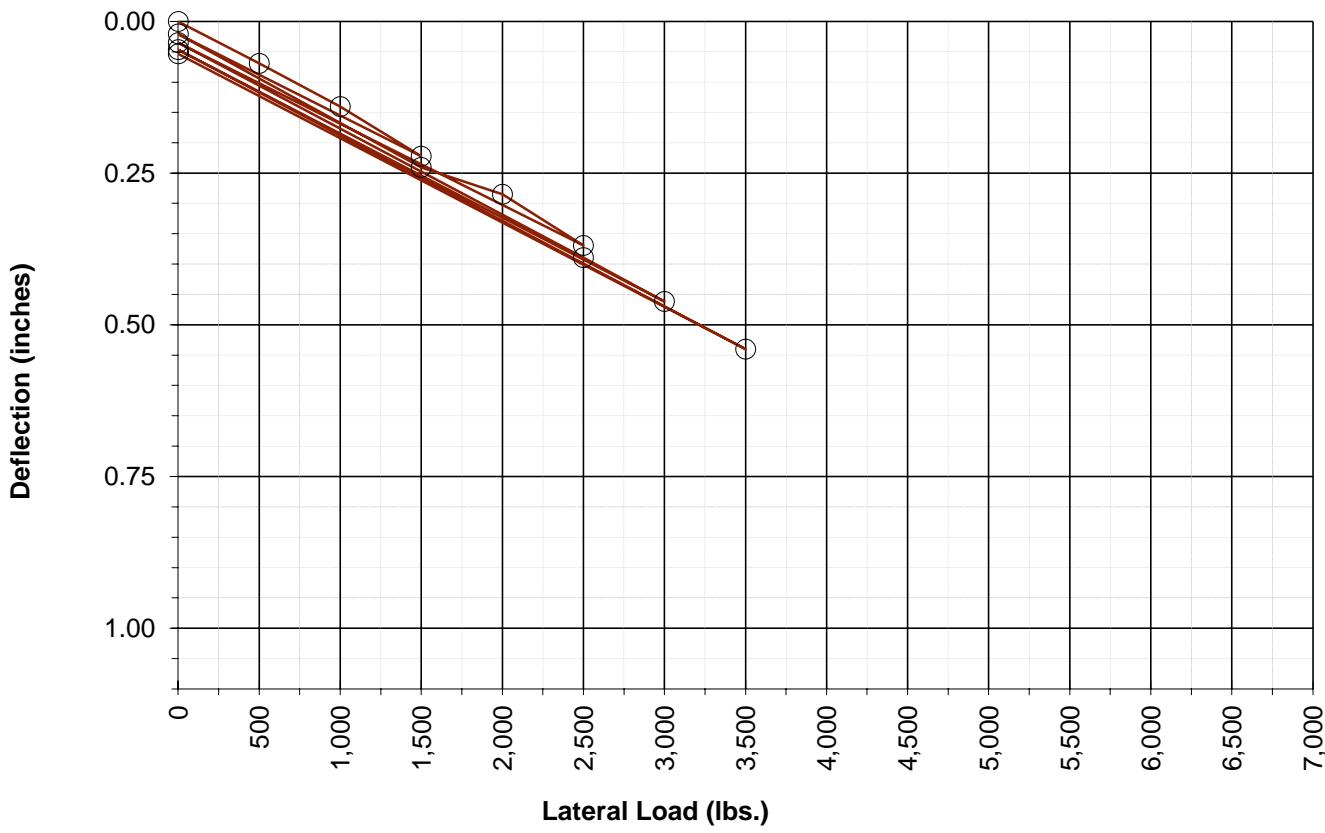
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/11/2023

Pile Information

Pile ID: PLT-21B
 Group Latitude [deg.]: 36.4917
 Group Longitude [deg.]: -120.2151
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 120
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 32

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.069	
14%	1,000	0.141	
21%	1,500	0.222	
0%	0	0.021	
21%	1,500	0.241	
29%	2,000	0.285	
36%	2,500	0.369	
0%	0	0.035	
36%	2,500	0.389	
43%	3,000	0.462	
50%	3,500		
0%	0	0.047	
50%	3,500	0.540	
57%	4,000		
64%	4,500		
0%	0	0.054	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-22A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

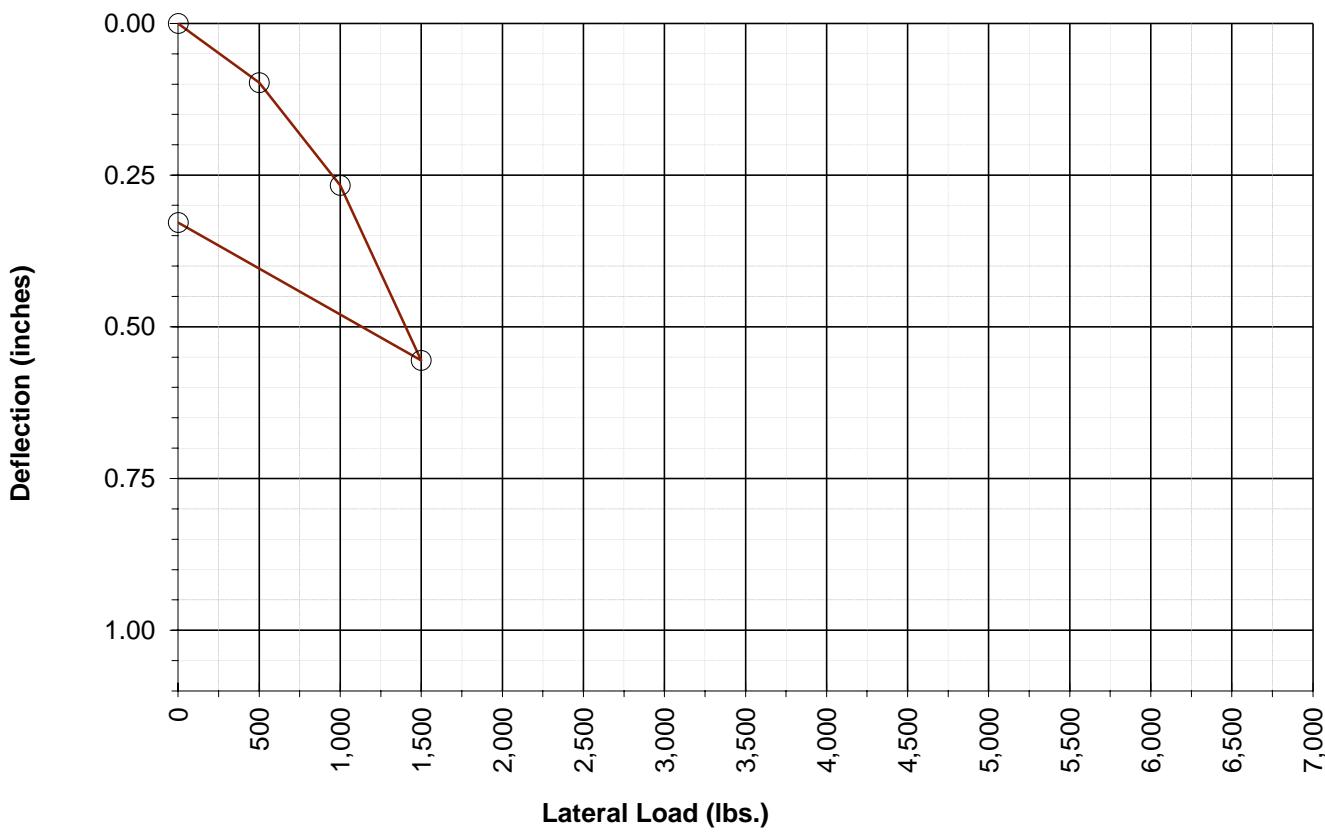
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/4/2023

Pile Information

Pile ID: PLT-22A
 Group Latitude [deg.]: 36.4950
 Group Longitude [deg.]: -120.2193
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 60
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 13

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.098	
14%	1,000	0.267	
21%	1,500	0.555	
0%	0	0.328	
21%	1,500		
29%	2,000		
36%	2,500		
0%	0		
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-22B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

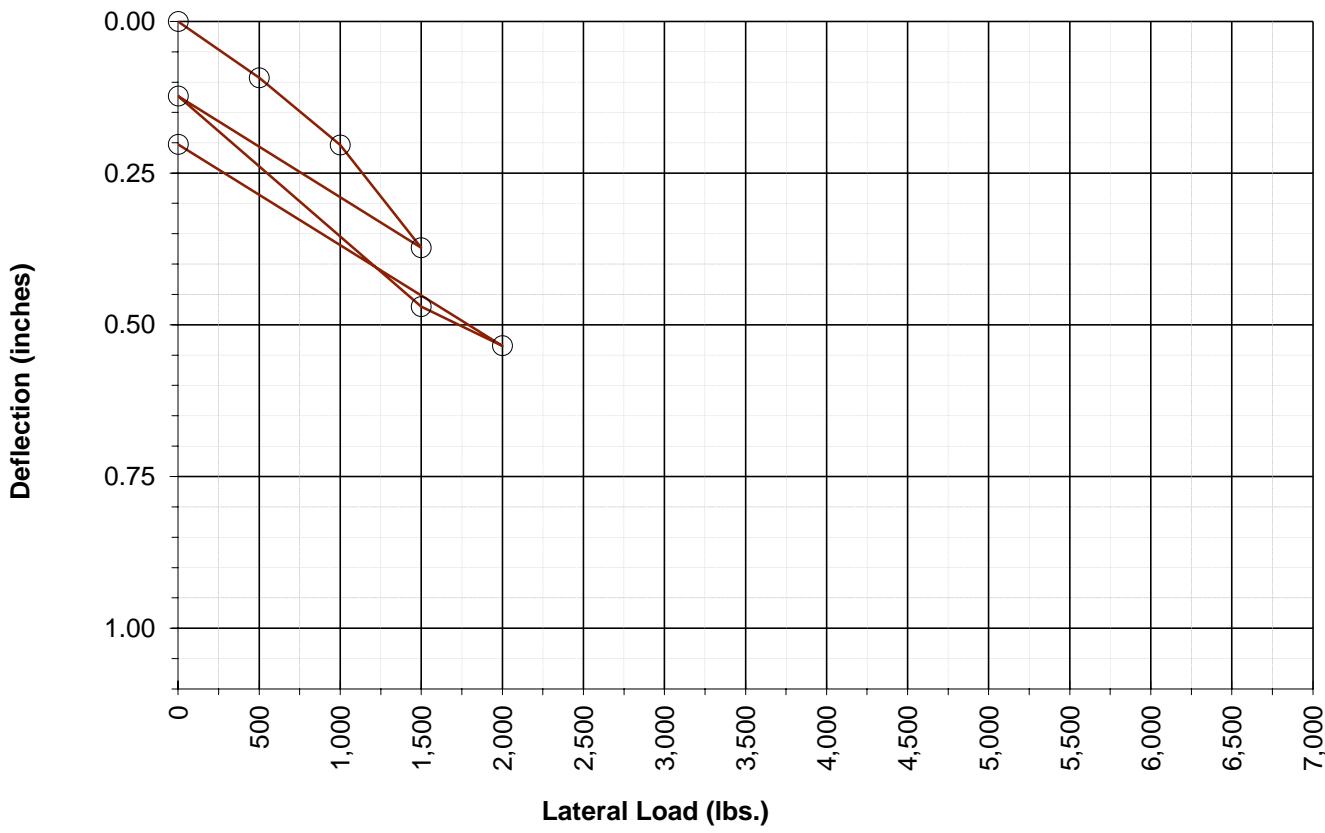
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/4/2023

Pile Information

Pile ID: PLT-22B
 Group Latitude [deg.]: 36.4950
 Group Longitude [deg.]: -120.2193
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 96
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 25

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.093	
14%	1,000	0.204	
21%	1,500	0.373	
0%	0	0.123	
21%	1,500	0.470	
29%	2,000	0.535	
36%	2,500		
0%	0	0.203	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-23A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

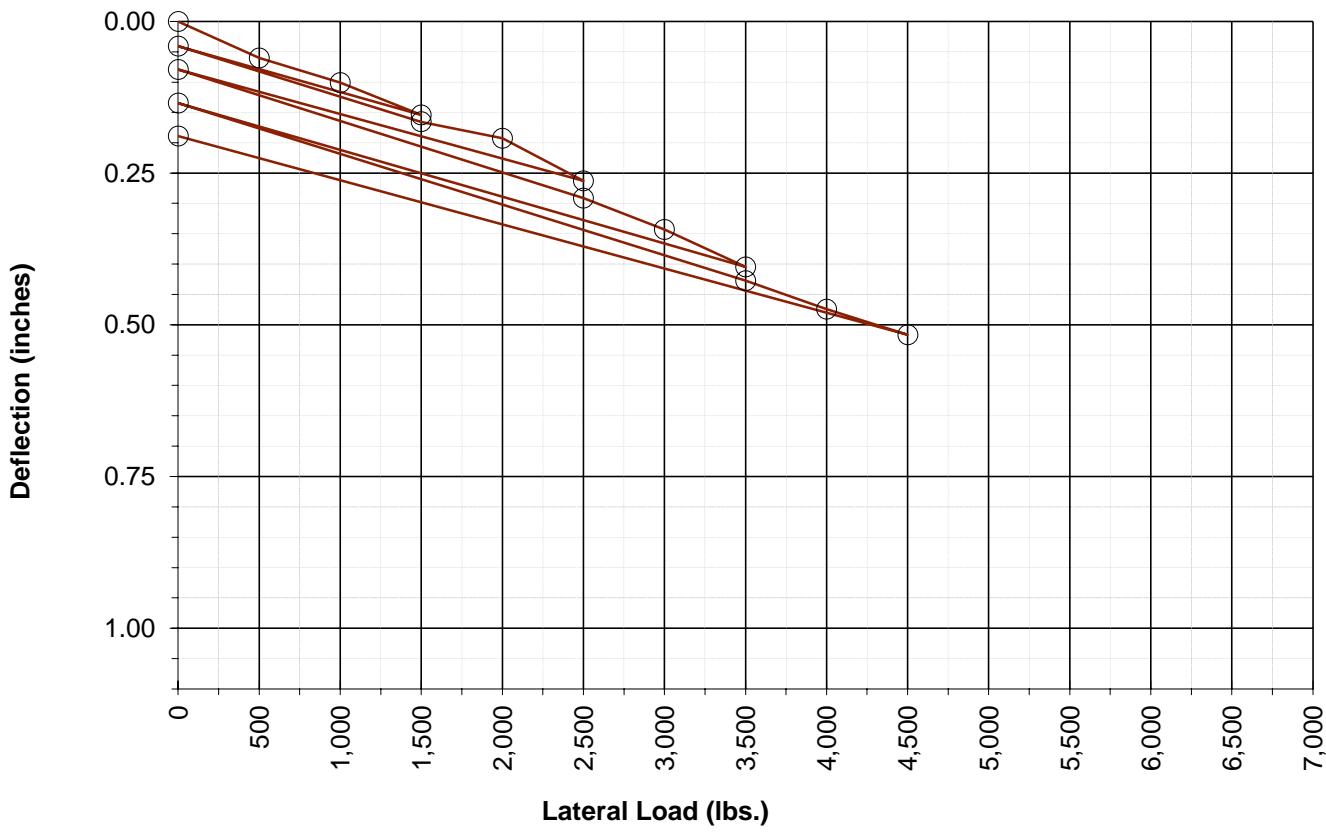
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 6/21/2023

Pile Information

Pile ID: PLT-23A
 Group Latitude [deg.]: 36.4955
 Group Longitude [deg.]: -120.2095
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 72
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 17

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.060	
14%	1,000	0.101	
21%	1,500	0.155	
0%	0	0.041	
21%	1,500	0.166	
29%	2,000	0.193	
36%	2,500	0.263	
0%	0	0.079	
36%	2,500	0.291	
43%	3,000	0.343	
50%	3,500	0.405	
0%	0	0.134	
50%	3,500	0.428	
57%	4,000	0.474	
64%	4,500	0.517	
0%	0	0.189	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-23B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

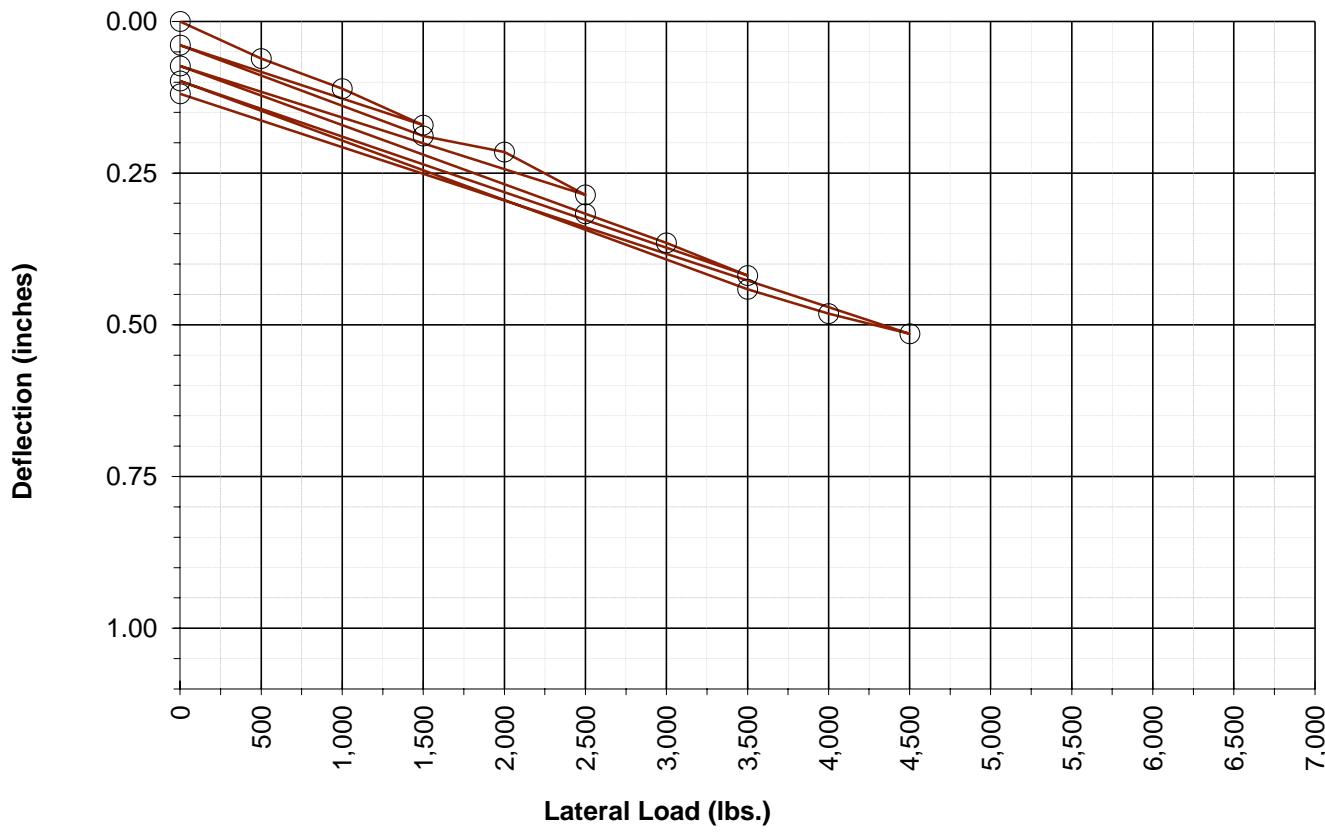
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 6/21/2023

Pile Information

Pile ID: PLT-23B
 Group Latitude [deg.]: 36.4955
 Group Longitude [deg.]: -120.2095
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 108
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 63

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.062	
14%	1,000	0.111	
21%	1,500	0.171	
0%	0	0.039	
21%	1,500	0.189	
29%	2,000	0.215	
36%	2,500	0.286	
0%	0	0.074	
36%	2,500	0.317	
43%	3,000	0.365	
50%	3,500	0.419	
0%	0	0.098	
50%	3,500	0.442	
57%	4,000	0.482	
64%	4,500	0.515	
0%	0	0.120	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-24A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

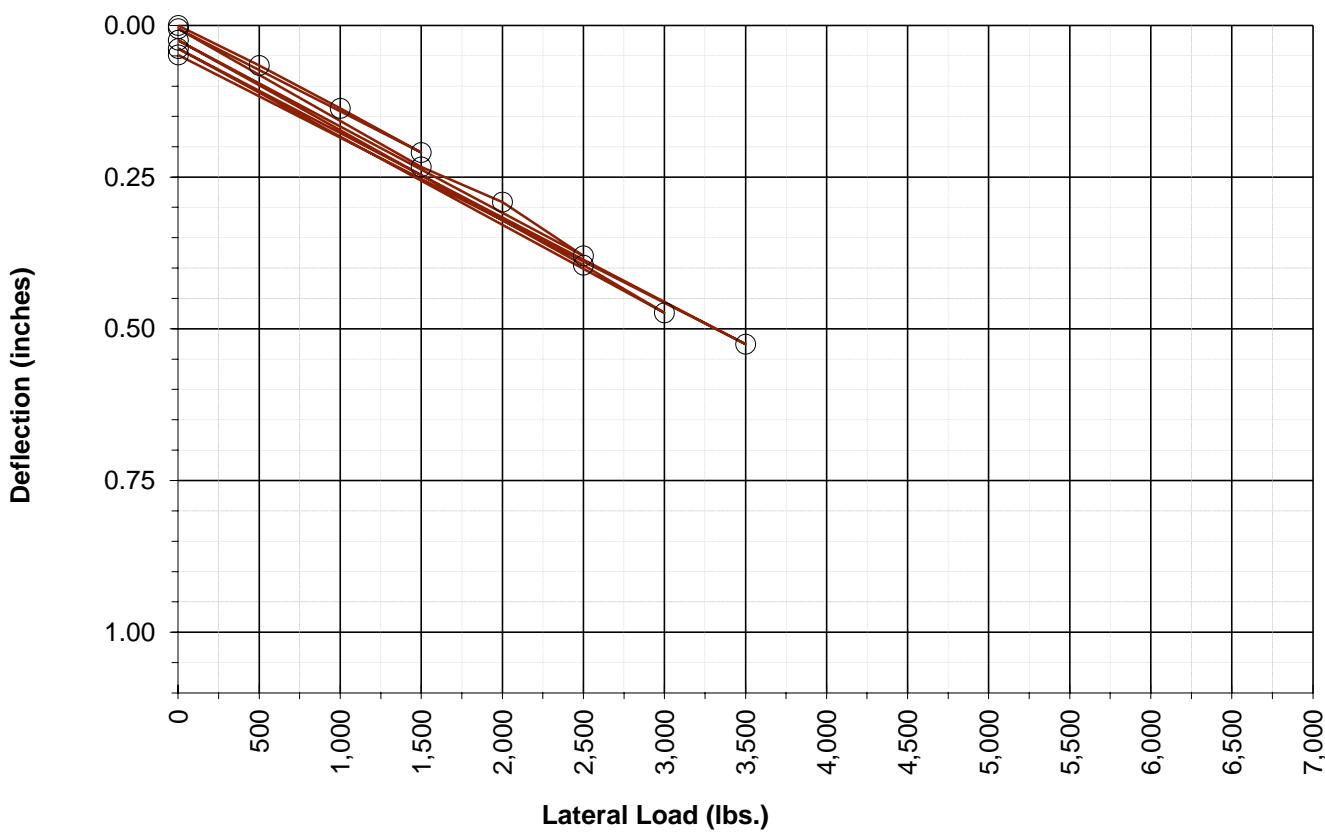
Test Date and Representative

Tested By Terracon Rep: JM/AA
 Date Tested: 5/12/2023

Pile Information

Pile ID: PLT-24A
 Group Latitude [deg.]: 36.4977
 Group Longitude [deg.]: -120.2025
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 84
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 29

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.066	
14%	1,000	0.137	
21%	1,500	0.210	
0%	0	0.006	
21%	1,500	0.233	
29%	2,000	0.291	
36%	2,500	0.380	
0%	0	0.025	
36%	2,500	0.395	
43%	3,000	0.474	
50%	3,500		
0%	0	0.038	
50%	3,500	0.526	
57%	4,000		
64%	4,500		
0%	0	0.049	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-24B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

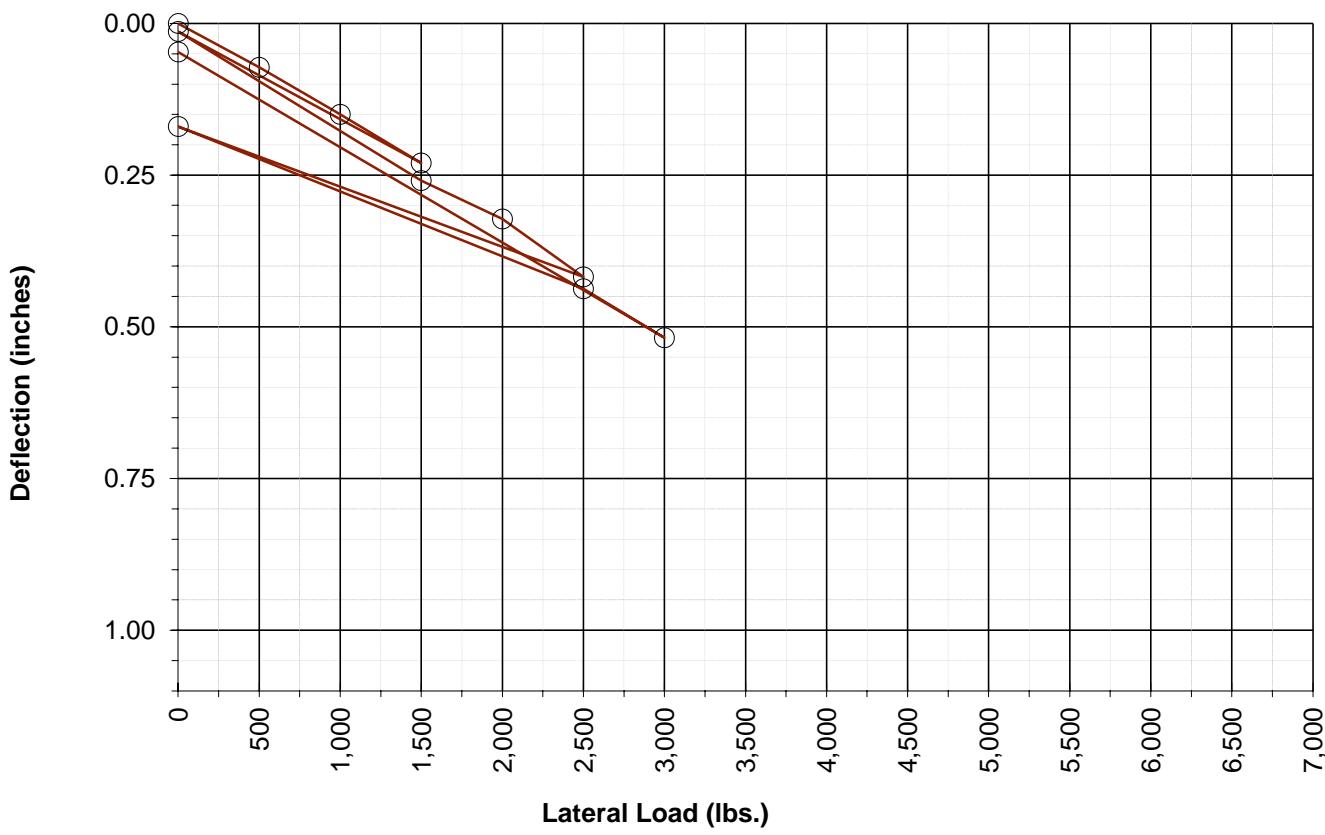
Test Date and Representative

Tested By Terracon Rep: JM/AA
 Date Tested: 5/12/2023

Pile Information

Pile ID: PLT-24B
 Group Latitude [deg.]: 36.4977
 Group Longitude [deg.]: -120.2025
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 120
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 55

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.073	
14%	1,000	0.150	
21%	1,500	0.230	
0%	0	0.014	
21%	1,500	0.259	
29%	2,000	0.322	
36%	2,500	0.418	
0%	0	0.170	
36%	2,500	0.437	
43%	3,000	0.518	
50%	3,500		
0%	0	0.047	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-25A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

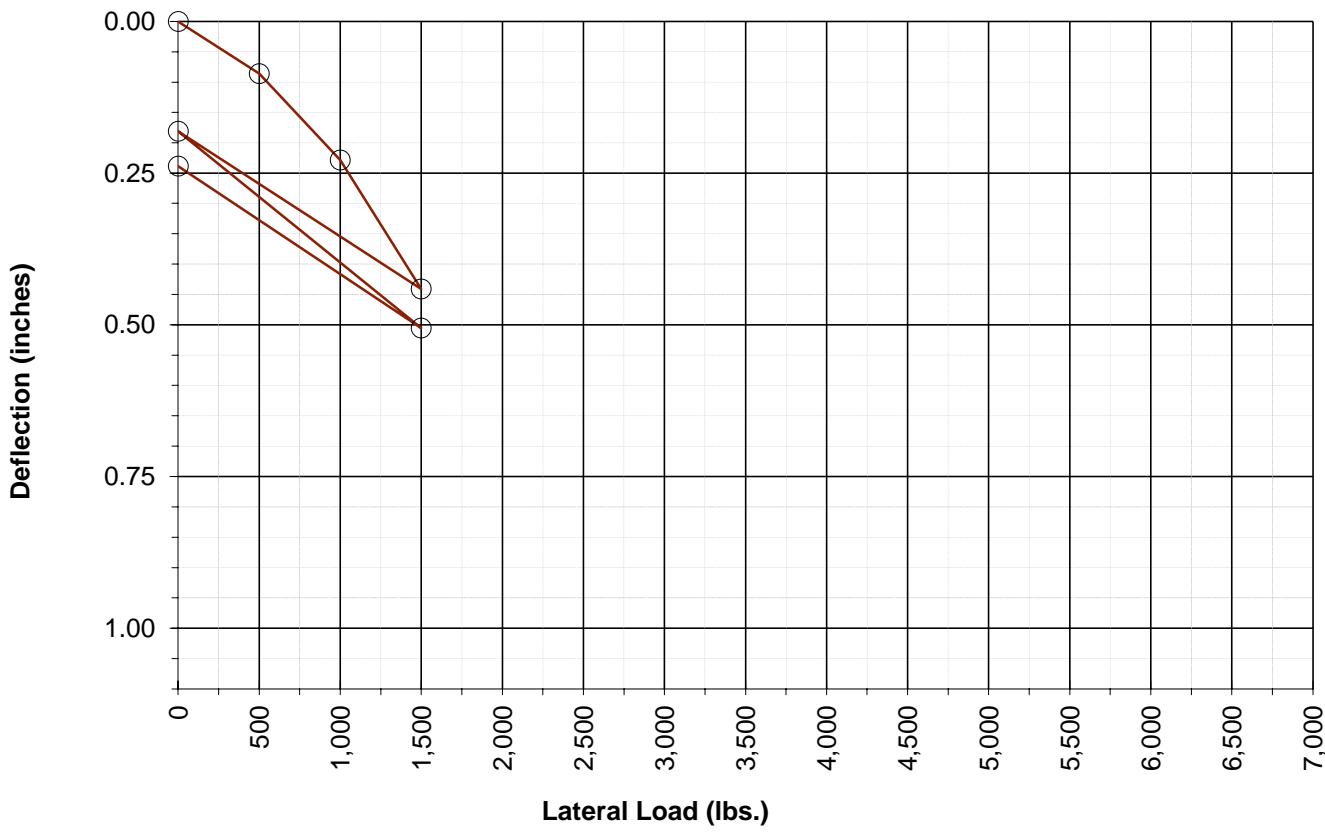
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/12/2023

Pile Information

Pile ID: PLT-25A
 Group Latitude [deg.]: 36.5011
 Group Longitude [deg.]: -120.1995
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 60
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 15

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.086	
14%	1,000	0.229	
21%	1,500	0.441	
0%	0	0.181	
21%	1,500	0.506	
29%	2,000		
36%	2,500		
0%	0	0.239	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-25B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

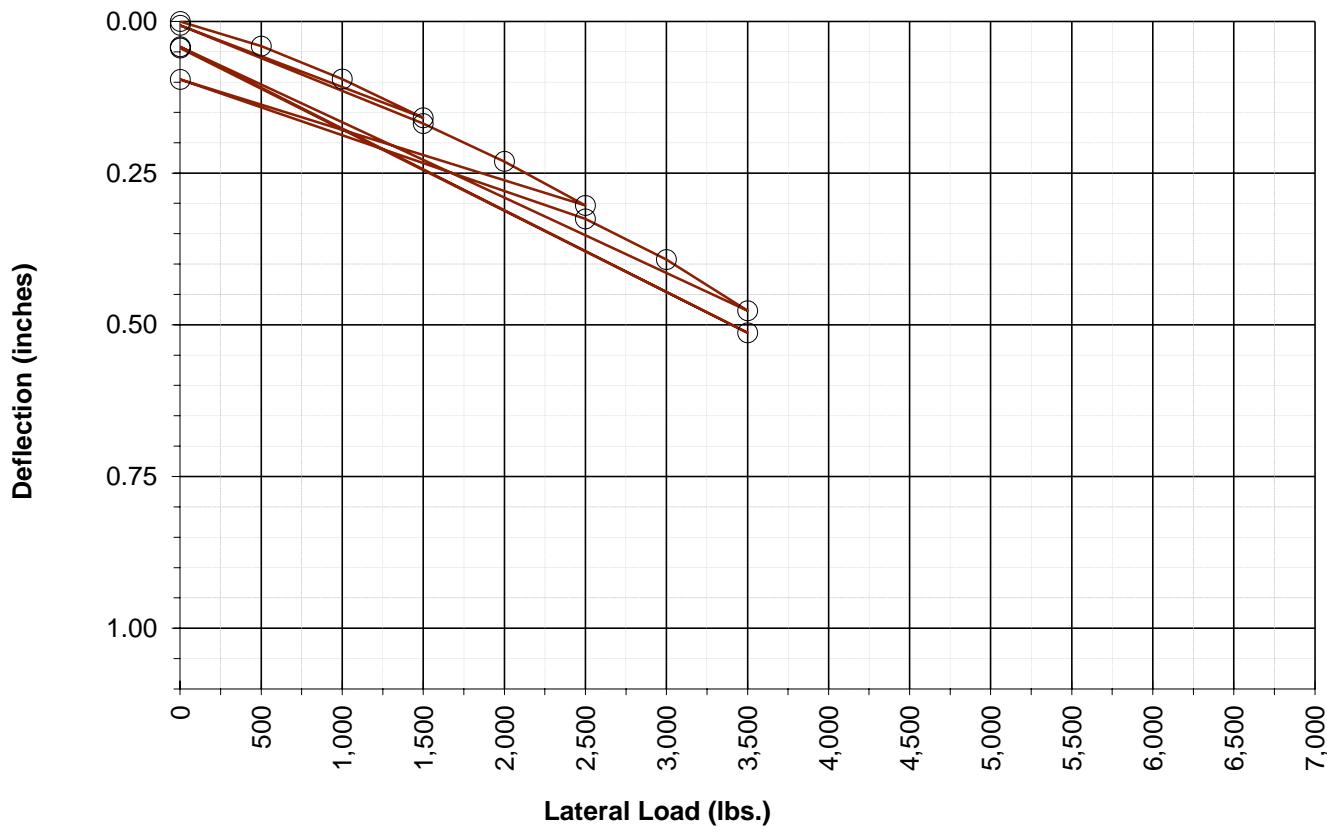
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/12/2023

Pile Information

Pile ID: PLT-25B
 Group Latitude [deg.]: 36.5011
 Group Longitude [deg.]: -120.1995
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 96
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 39

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.041	
14%	1,000	0.095	
21%	1,500	0.159	
0%	0	0.007	
21%	1,500	0.169	
29%	2,000	0.231	
36%	2,500	0.303	
0%	0	0.096	
36%	2,500	0.326	
43%	3,000	0.393	
50%	3,500	0.477	
0%	0	0.042	
50%	3,500	0.513	
57%	4,000		
64%	4,500		
0%	0	0.044	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-26A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

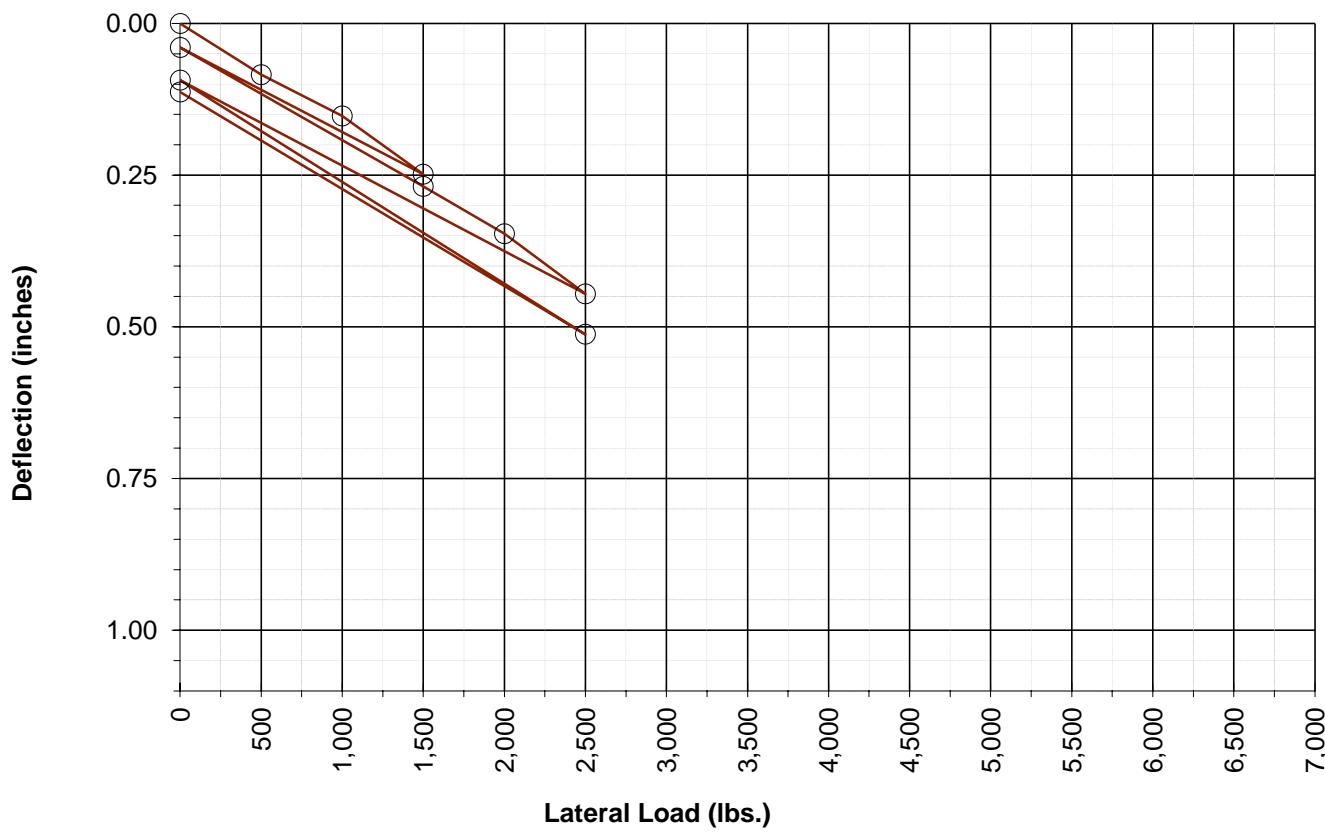
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/11/2023

Pile Information

Pile ID: PLT-26A
 Group Latitude [deg.]: 36.4967
 Group Longitude [deg.]: -120.1955
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 72
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 17

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.085	
14%	1,000	0.153	
21%	1,500	0.249	
0%	0	0.040	
21%	1,500	0.269	
29%	2,000	0.347	
36%	2,500	0.446	
0%	0	0.094	
36%	2,500	0.513	
43%	3,000		
50%	3,500		
0%	0	0.113	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-26B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

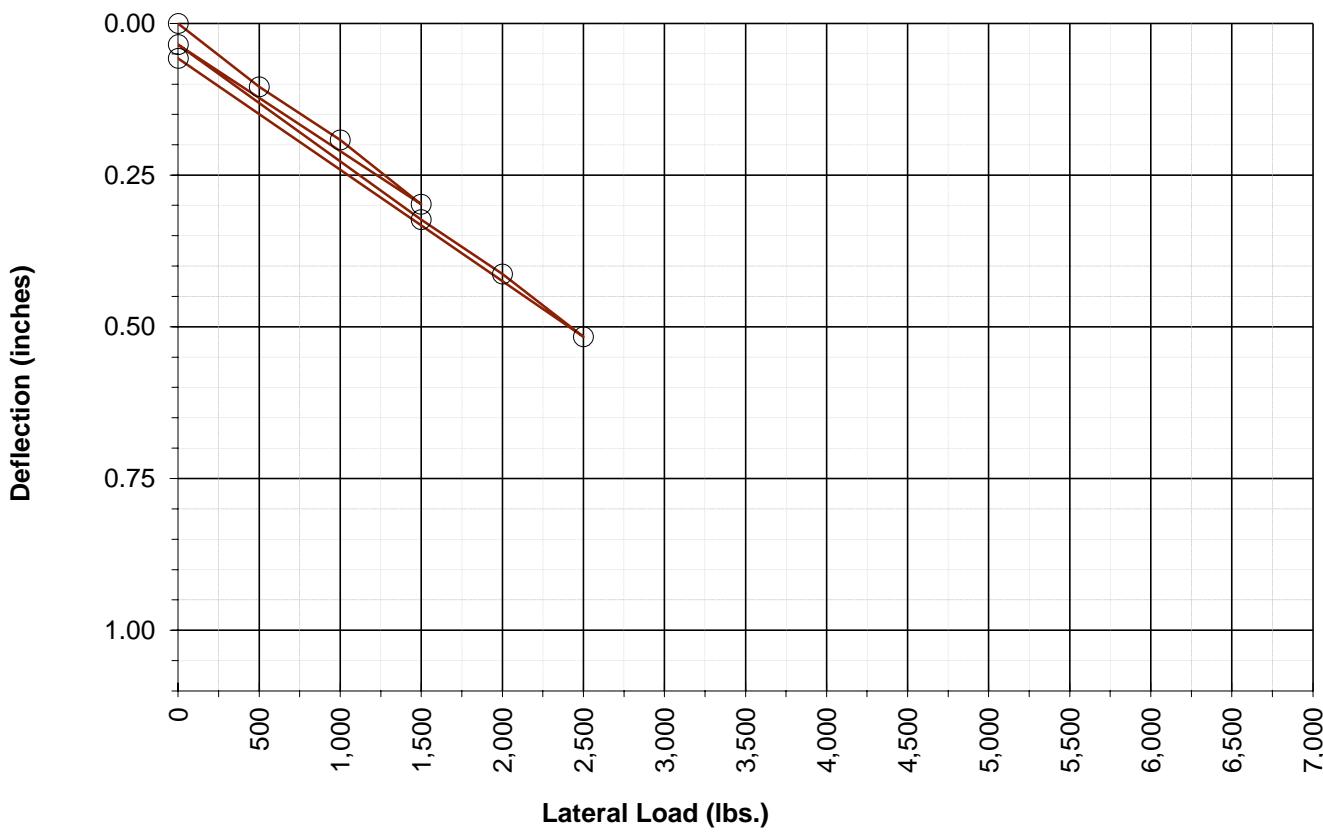
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/11/2023

Pile Information

Pile ID: PLT-26B
 Group Latitude [deg.]: 36.4967
 Group Longitude [deg.]: -120.1955
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 108
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 85

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.105	
14%	1,000	0.192	
21%	1,500	0.298	
0%	0	0.035	
21%	1,500	0.324	
29%	2,000	0.413	
36%	2,500	0.516	
0%	0	0.058	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-27A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

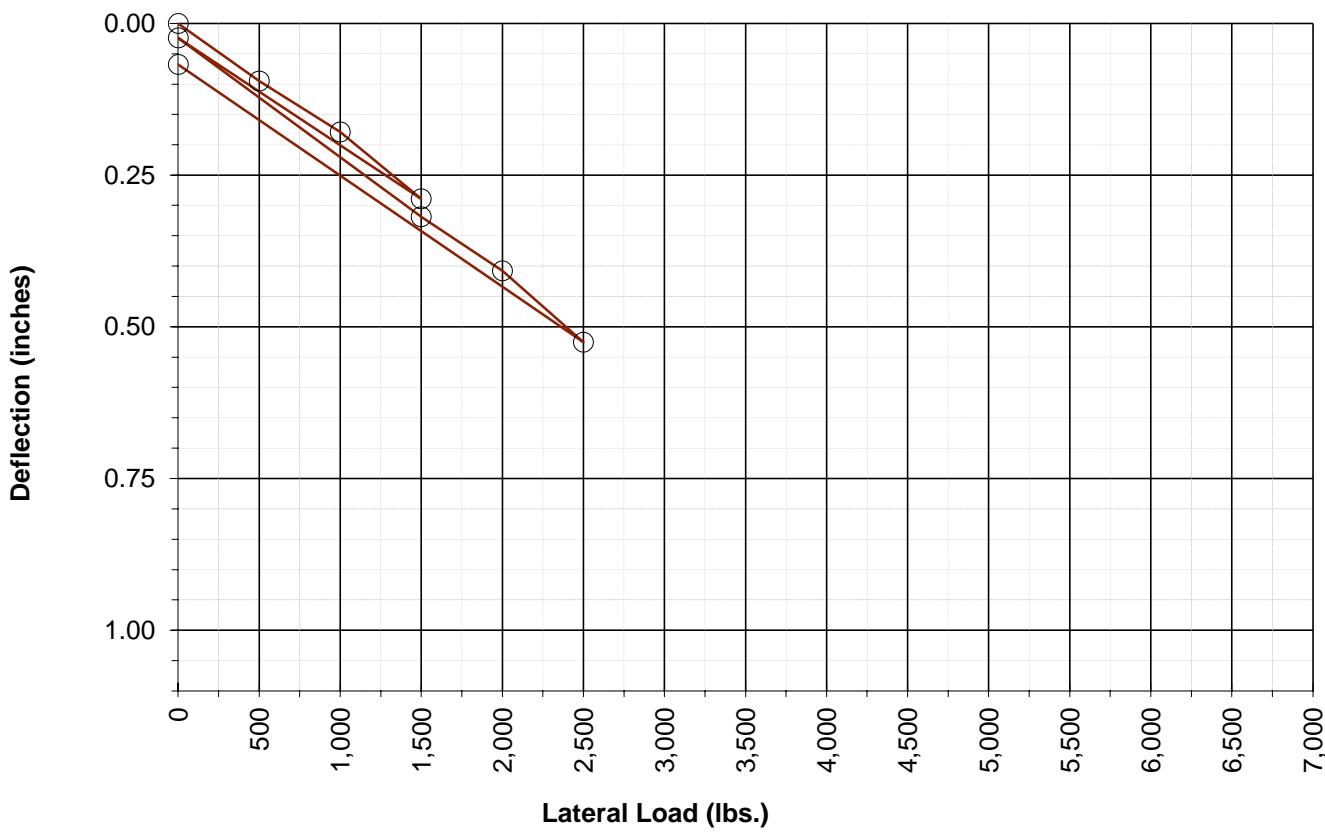
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/10/2023

Pile Information

Pile ID: PLT-27A
 Group Latitude [deg.]: 36.5012
 Group Longitude [deg.]: -120.1894
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 84
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 41

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.095	
14%	1,000	0.179	
21%	1,500	0.289	
0%	0	0.024	
21%	1,500	0.319	
29%	2,000	0.408	
36%	2,500	0.526	
0%	0	0.068	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-27B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

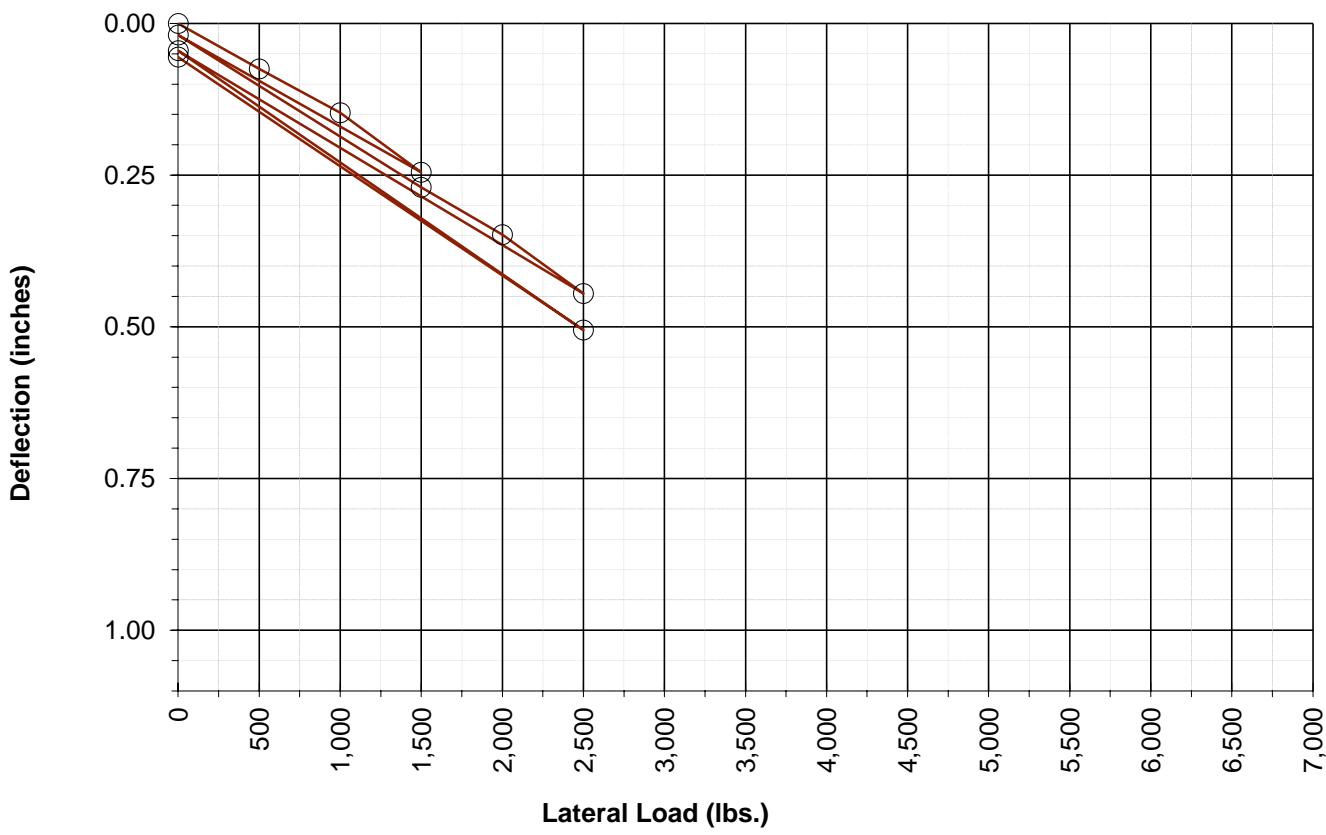
Test Date and Representative

Tested By Terracon Rep: aS
 Date Tested: 5/10/2023

Pile Information

Pile ID: PLT-27B
 Group Latitude [deg.]: 36.5012
 Group Longitude [deg.]: -120.1894
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 120
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 82

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.075	
14%	1,000	0.147	
21%	1,500	0.245	
0%	0	0.019	
21%	1,500	0.270	
29%	2,000	0.348	
36%	2,500	0.445	
0%	0	0.045	
36%	2,500	0.505	
43%	3,000		
50%	3,500		
0%	0	0.056	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-28A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

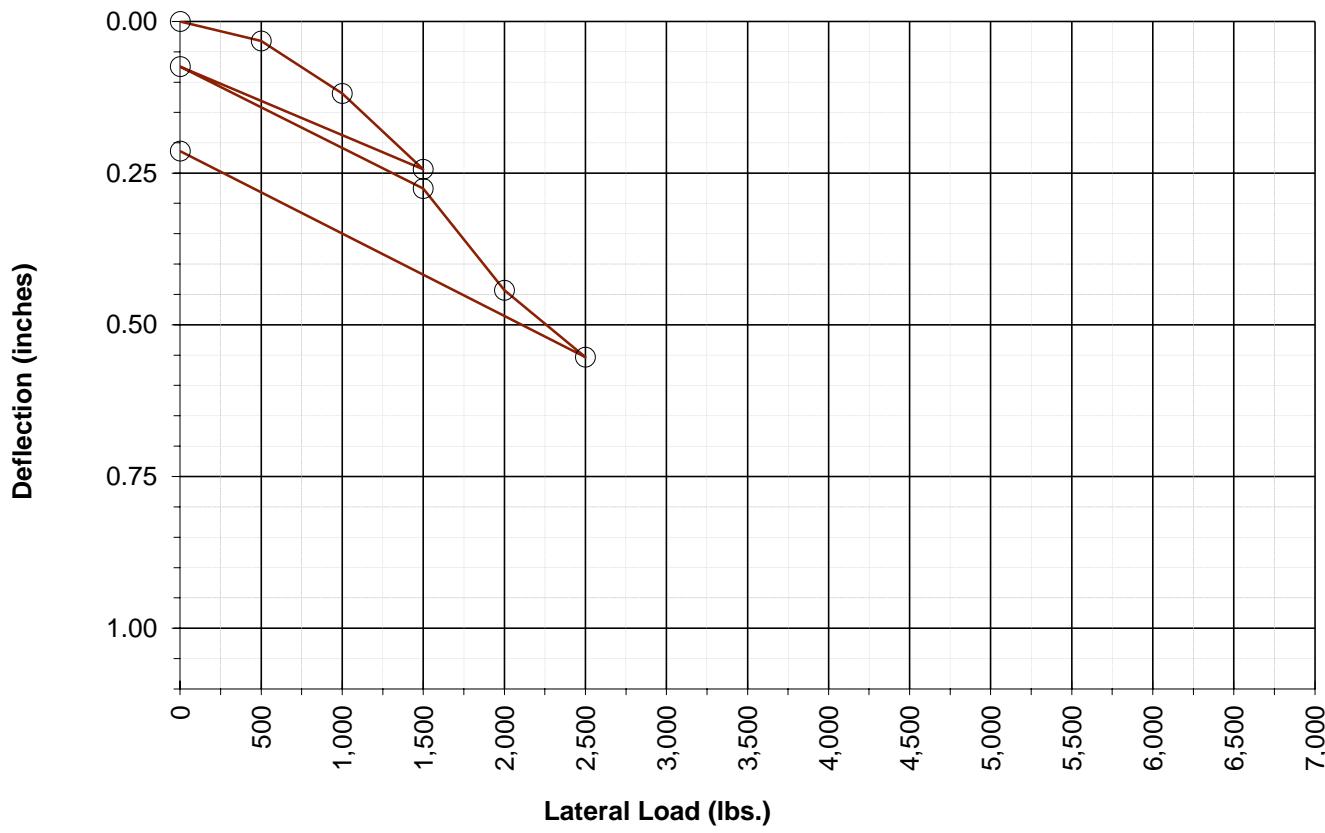
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 2/21/2023

Pile Information

Pile ID: PLT-28A
 Group Latitude [deg.]: 36.4953
 Group Longitude [deg.]: -120.1879
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 60
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 19

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.033	
14%	1,000	0.119	
21%	1,500	0.244	
0%	0	0.074	
21%	1,500	0.276	
29%	2,000	0.443	
36%	2,500	0.553	
0%	0	0.214	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-28B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

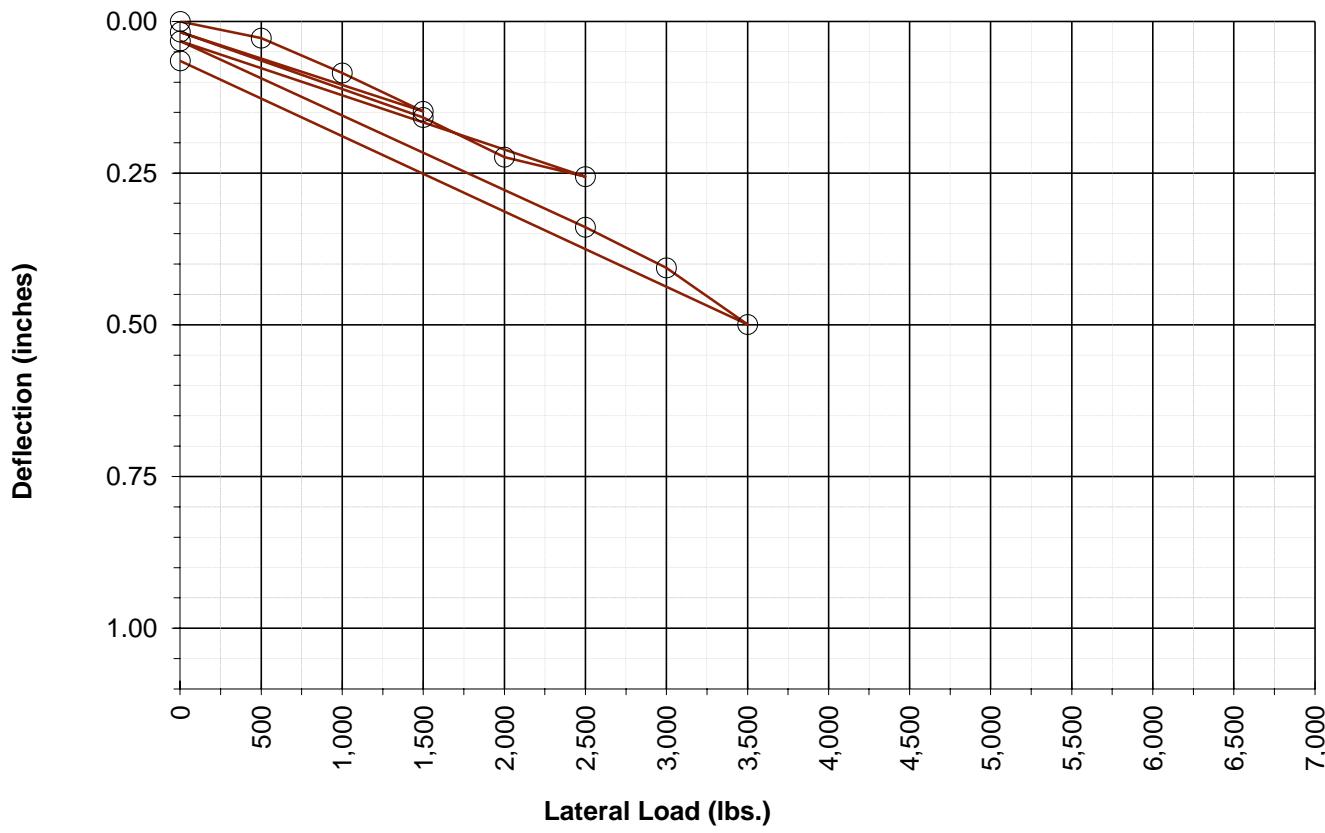
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 2/21/2023

Pile Information

Pile ID: PLT-28B
 Group Latitude [deg.]: 36.4953
 Group Longitude [deg.]: -120.1879
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 96
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 55

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.028	
14%	1,000	0.085	
21%	1,500	0.148	
0%	0	0.018	
21%	1,500	0.159	
29%	2,000	0.224	
36%	2,500	0.256	
0%	0	0.033	
36%	2,500	0.340	
43%	3,000	0.407	
50%	3,500	0.500	
0%	0	0.065	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-29A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

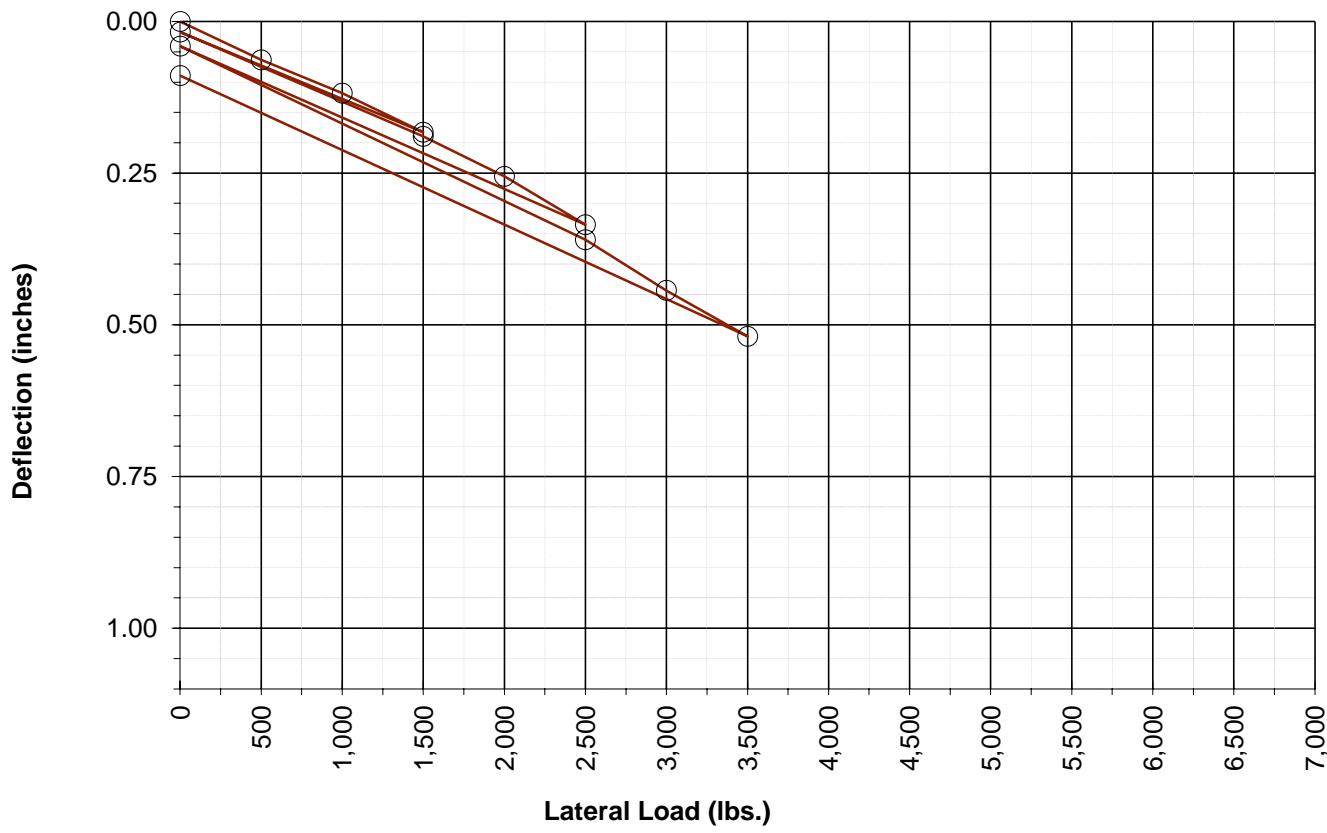
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/14/2023

Pile Information

Pile ID: PLT-29A
 Group Latitude [deg.]: 36.4993
 Group Longitude [deg.]: -120.1802
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 72
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 33

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.064	
14%	1,000	0.119	
21%	1,500	0.183	
0%	0	0.018	
21%	1,500	0.189	
29%	2,000	0.256	
36%	2,500	0.335	
0%	0	0.041	
36%	2,500	0.360	
43%	3,000	0.444	
50%	3,500	0.519	
0%	0	0.089	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-29B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

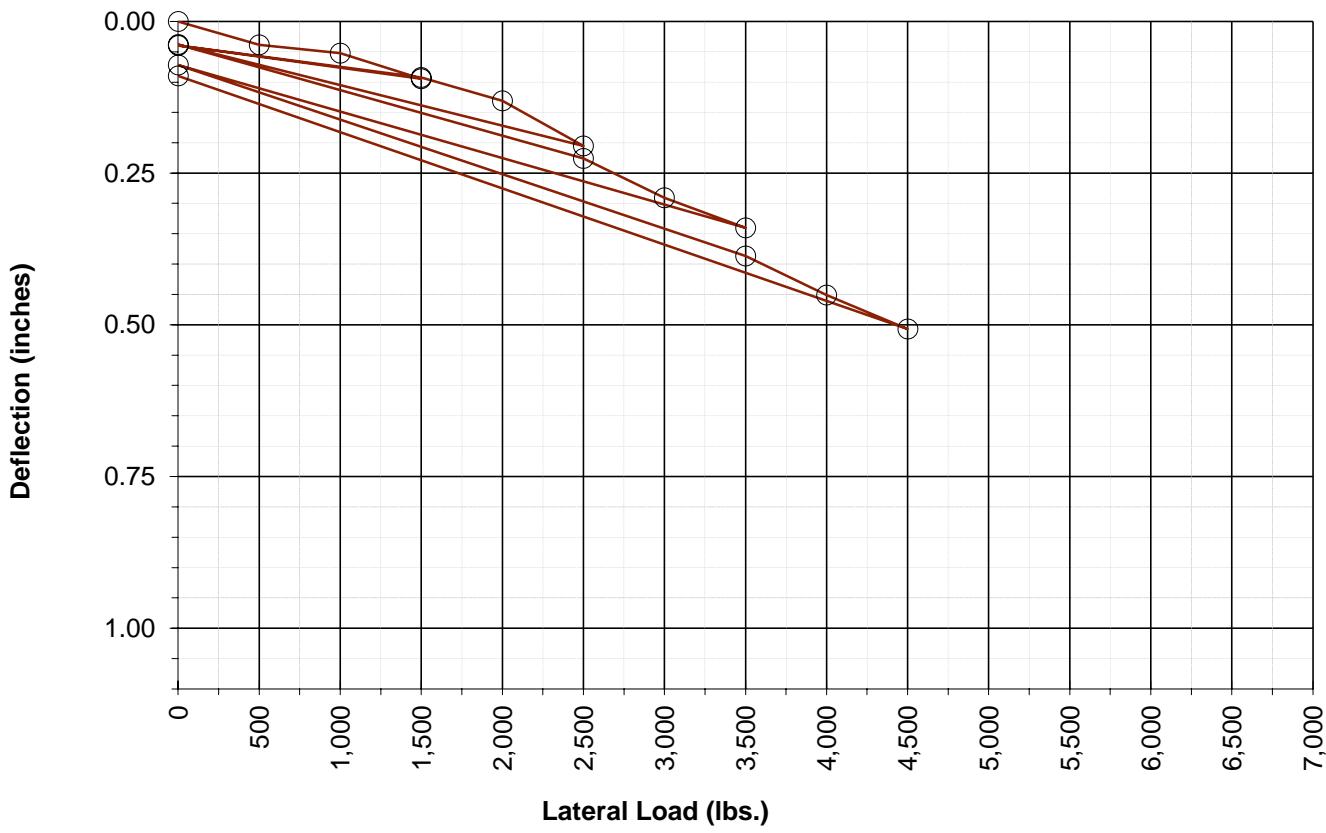
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/14/2023

Pile Information

Pile ID: PLT-29B
 Group Latitude [deg.]: 36.4993
 Group Longitude [deg.]: -120.1802
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 108
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 68

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.039	
14%	1,000	0.052	
21%	1,500	0.095	
0%	0	0.040	
21%	1,500	0.093	
29%	2,000	0.131	
36%	2,500	0.205	
0%	0	0.038	
36%	2,500	0.226	
43%	3,000	0.291	
50%	3,500	0.340	
0%	0	0.072	
50%	3,500	0.387	
57%	4,000	0.451	
64%	4,500	0.507	
0%	0	0.090	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-30A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

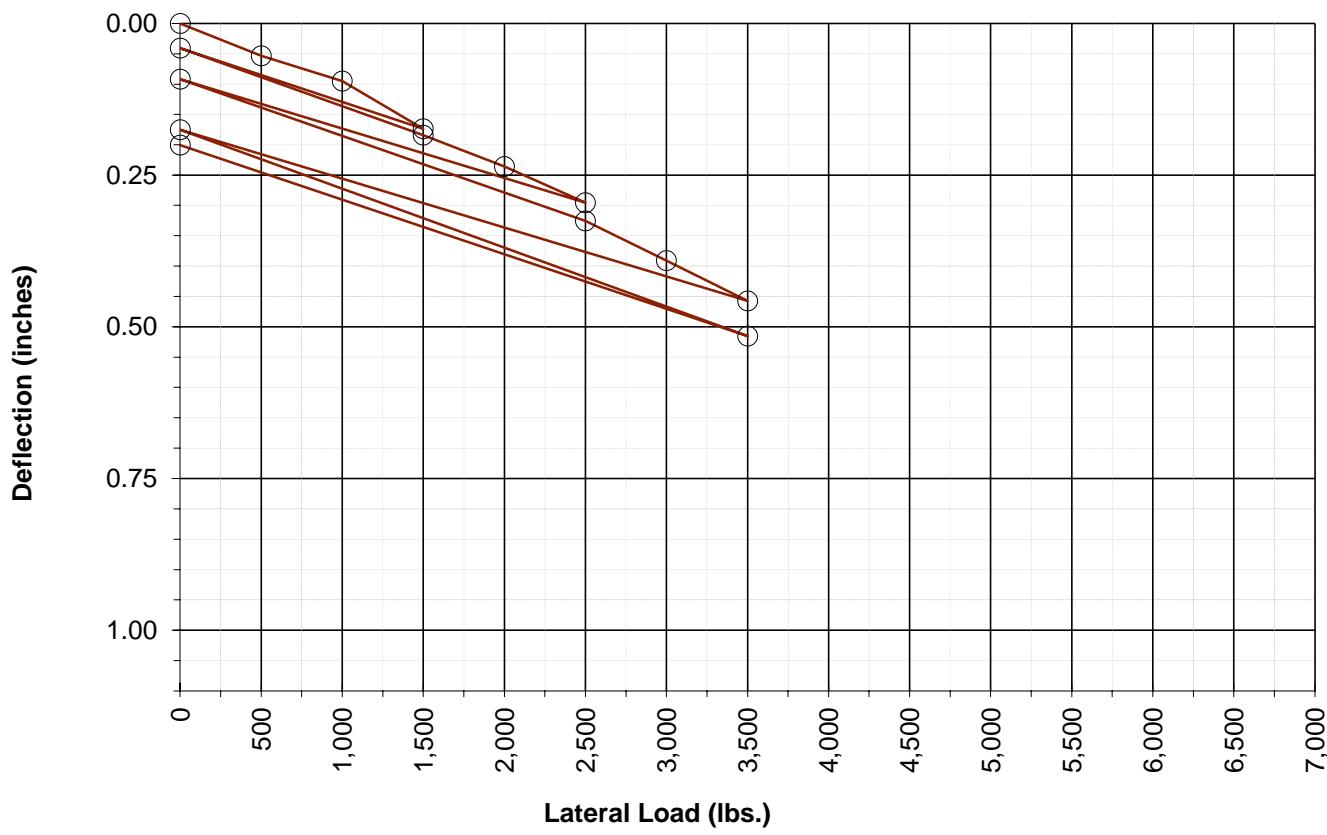
Test Date and Representative

Tested By Terracon Rep: JM/AA
 Date Tested: 6/21/2023

Pile Information

Pile ID: PLT-30A
 Group Latitude [deg.]: 36.4958
 Group Longitude [deg.]: -120.1738
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 84
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 32

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.054	
14%	1,000	0.095	
21%	1,500	0.174	
0%	0	0.041	
21%	1,500	0.184	
29%	2,000	0.236	
36%	2,500	0.296	
0%	0	0.092	
36%	2,500	0.326	
43%	3,000	0.391	
50%	3,500	0.458	
0%	0	0.175	
50%	3,500	0.515	
57%	4,000		
64%	4,500		
0%	0	0.201	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-30B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

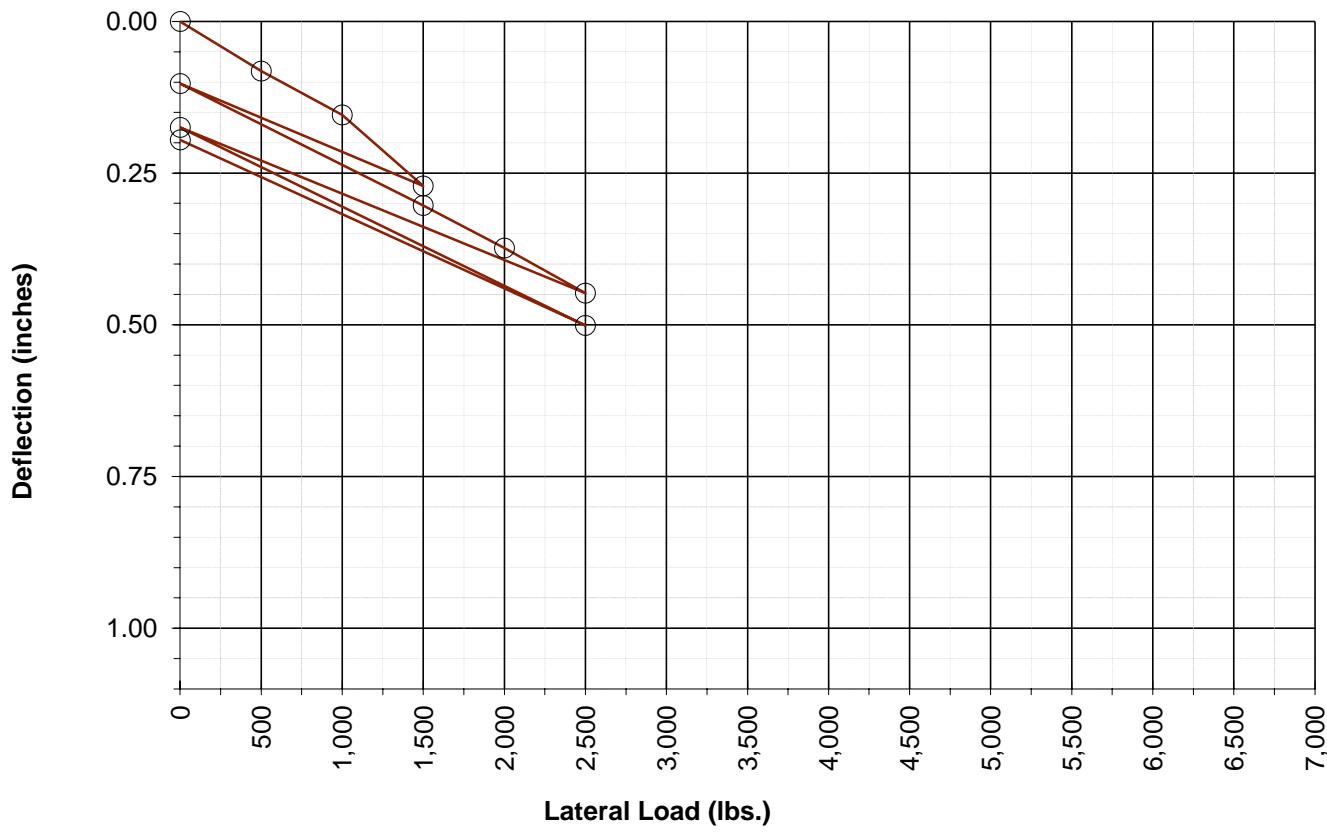
Test Date and Representative

Tested By Terracon Rep: JM/AA
 Date Tested: 6/21/2023

Pile Information

Pile ID: PLT-30B
 Group Latitude [deg.]: 36.4958
 Group Longitude [deg.]: -120.1738
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 120
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 65

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.082	
14%	1,000	0.154	
21%	1,500	0.271	
0%	0	0.102	
21%	1,500	0.303	
29%	2,000	0.374	
36%	2,500	0.448	
0%	0	0.175	
36%	2,500	0.501	
43%	3,000		
50%	3,500		
0%	0	0.195	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-31A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

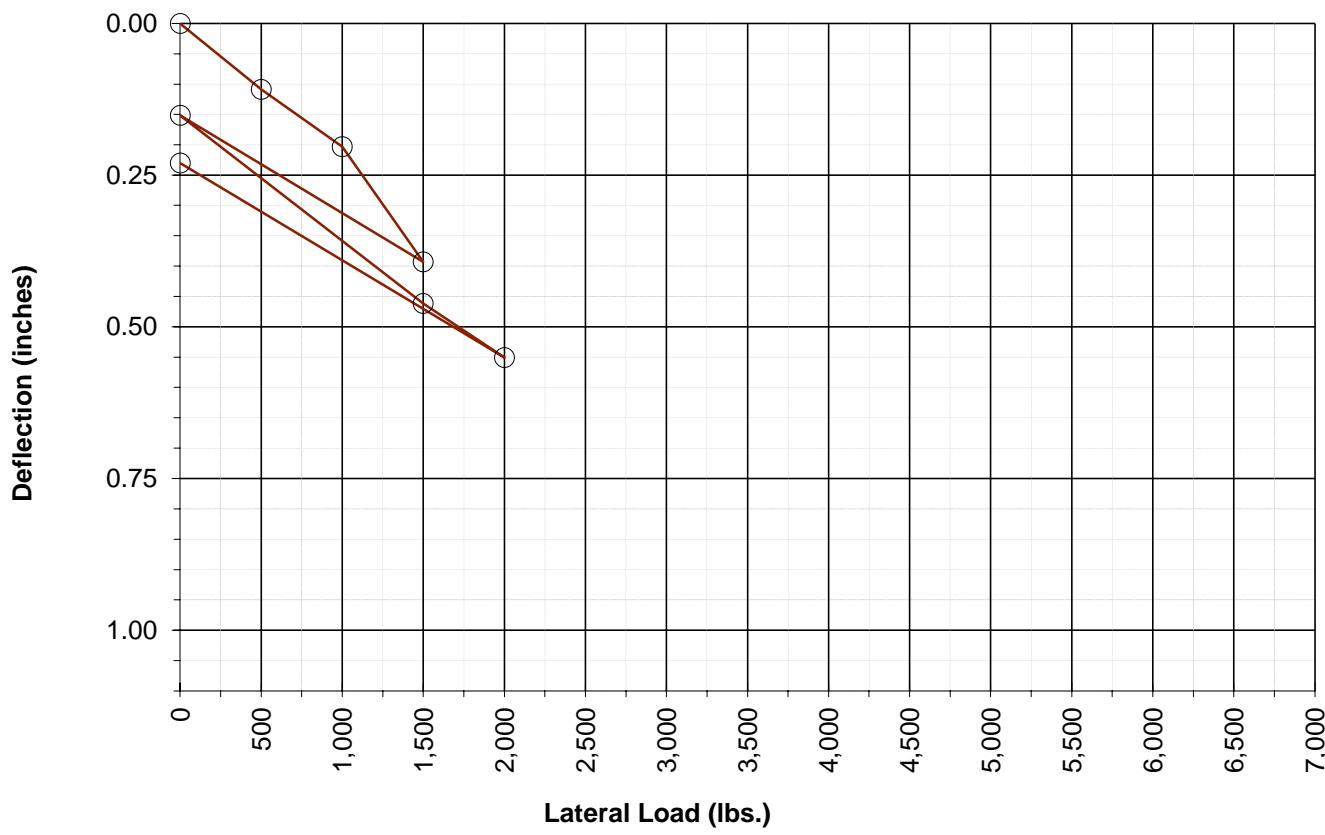
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 6/10/2023

Pile Information

Pile ID: PLT-31A
 Group Latitude [deg.]: 36.5017
 Group Longitude [deg.]: -120.1744
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 60
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 15

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.109	
14%	1,000	0.203	
21%	1,500	0.393	
0%	0	0.152	
21%	1,500	0.462	
29%	2,000	0.551	
36%	2,500		
0%	0	0.230	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-31B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

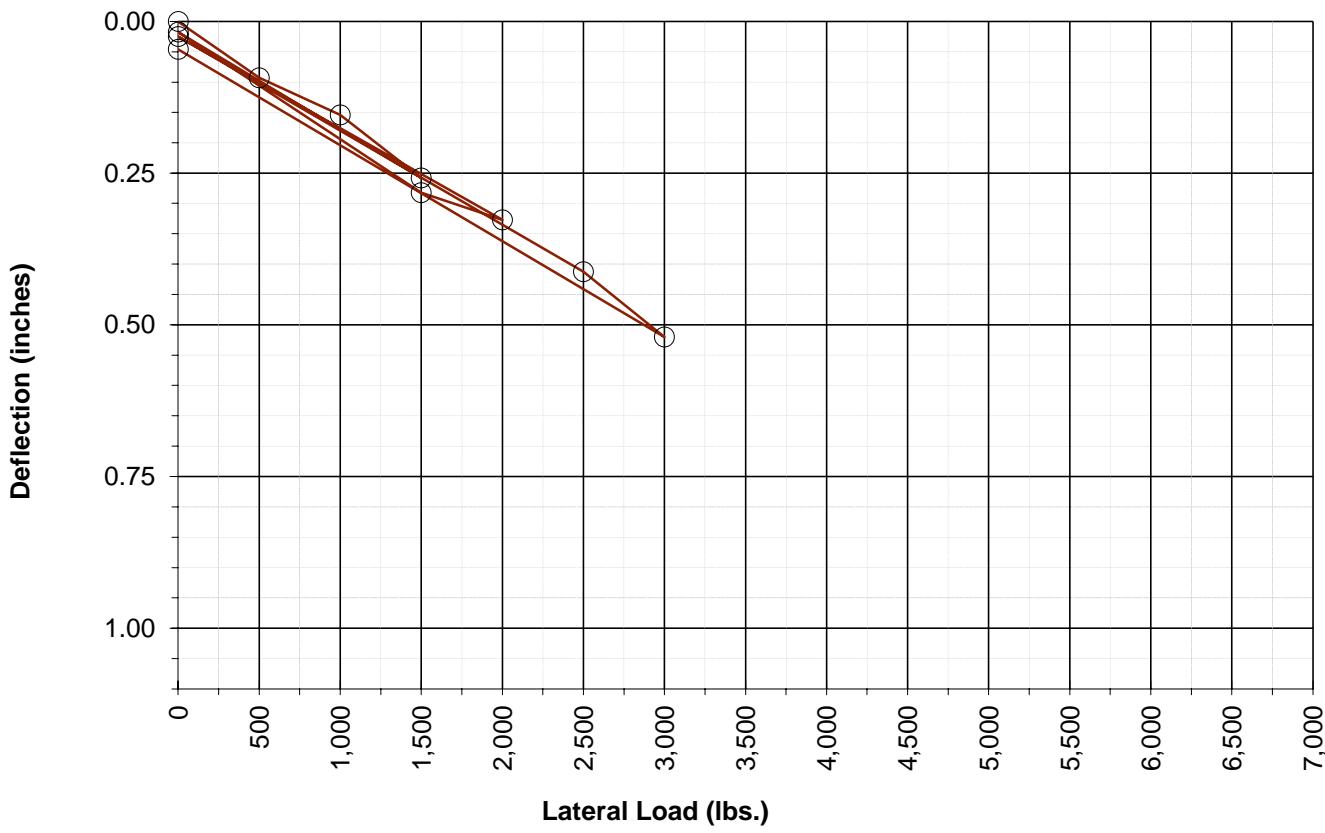
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 6/10/2023

Pile Information

Pile ID: PLT-31B
 Group Latitude [deg.]: 36.5017
 Group Longitude [deg.]: -120.1744
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 96
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 84

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.093	
14%	1,000	0.154	
21%	1,500	0.258	
0%	0	0.018	
21%	1,500	0.282	
29%	2,000	0.327	
36%	2,500		
0%	0	0.025	
36%	2,500	0.413	
43%	3,000	0.520	
50%	3,500		
0%	0	0.046	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-32A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

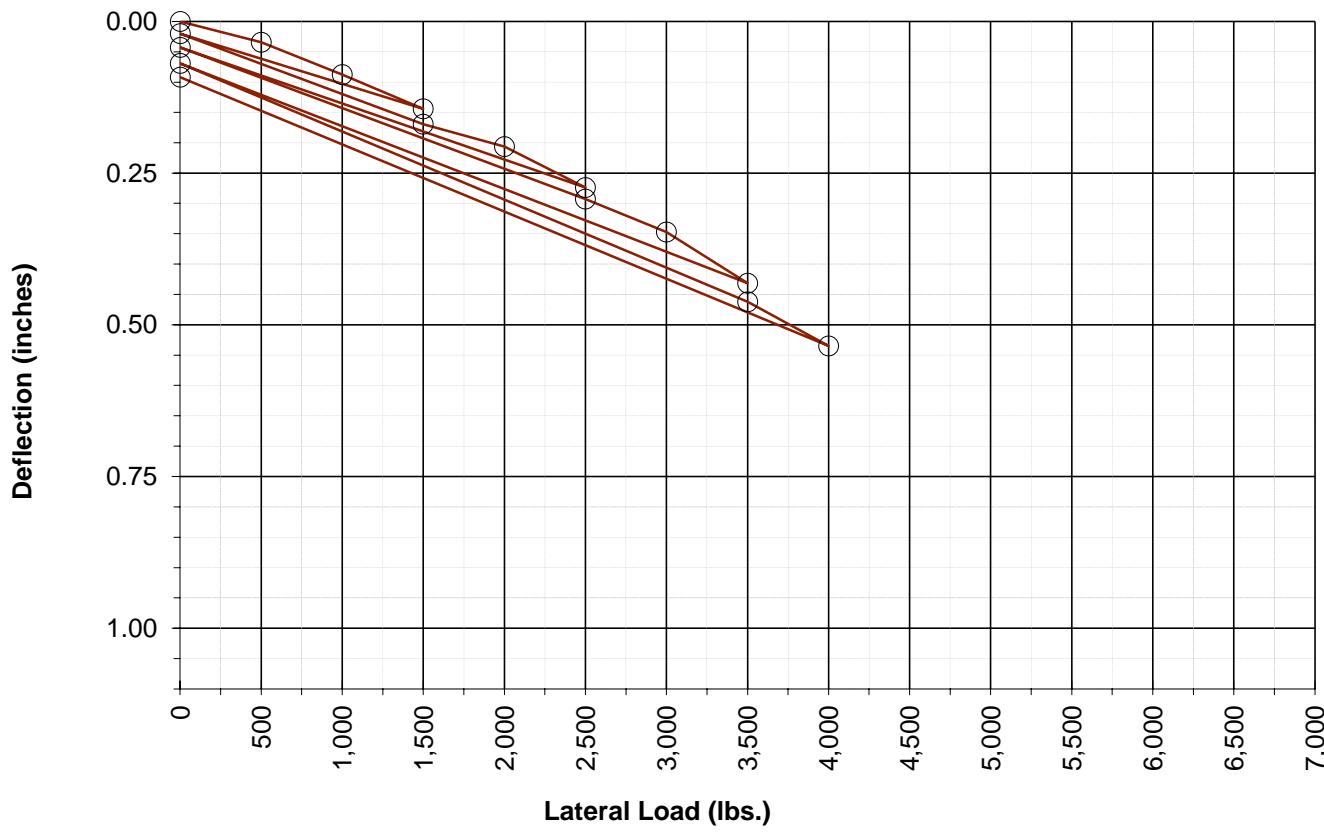
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 2/21/2023

Pile Information

Pile ID: PLT-32A
 Group Latitude [deg.]: 36.4912
 Group Longitude [deg.]: -120.1751
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 108
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 69

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.035	
14%	1,000	0.088	
21%	1,500	0.144	
0%	0	0.020	
21%	1,500	0.169	
29%	2,000	0.207	
36%	2,500	0.274	
0%	0	0.043	
36%	2,500	0.293	
43%	3,000	0.347	
50%	3,500	0.432	
0%	0	0.070	
50%	3,500	0.462	
57%	4,000	0.535	
64%	4,500		
0%	0	0.092	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-32B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

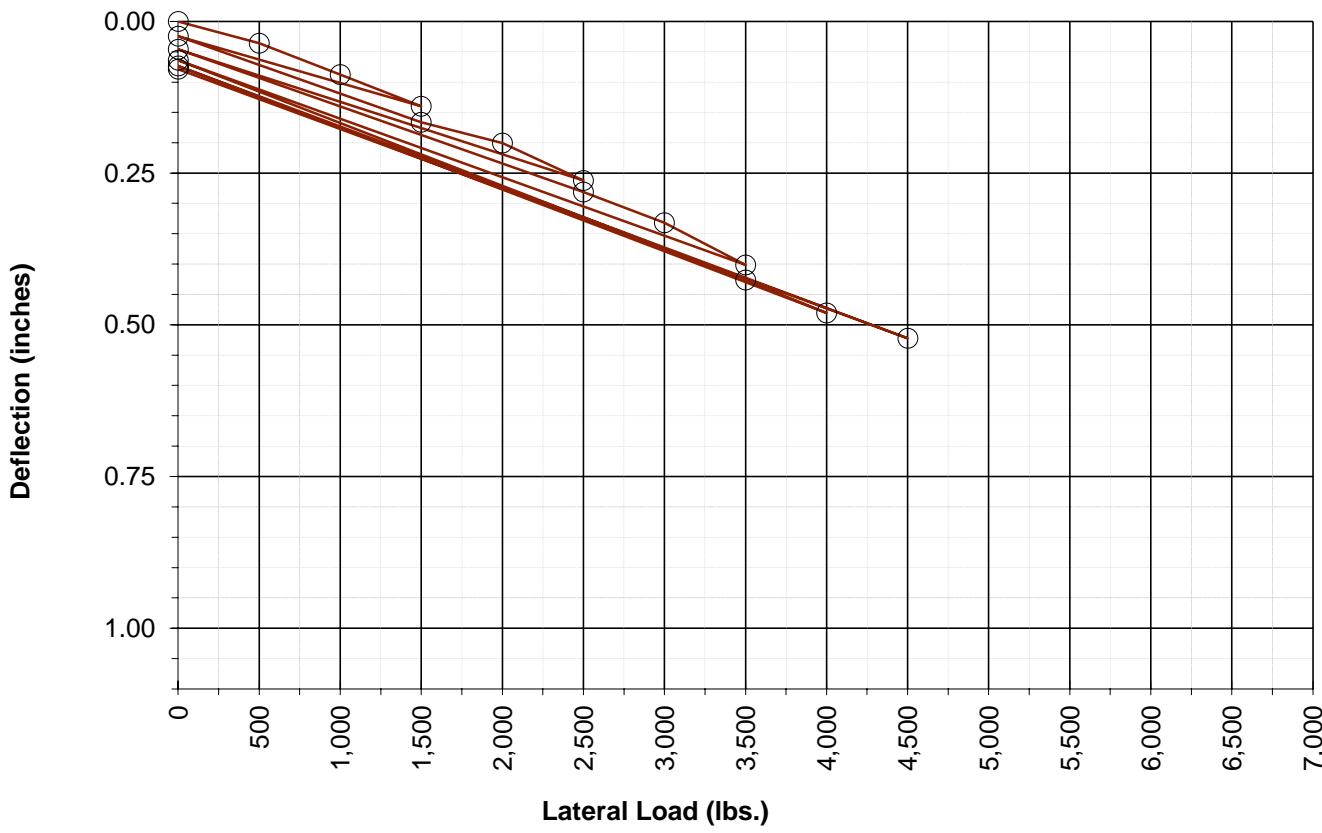
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 2/21/2023

Pile Information

Pile ID: PLT-32B
 Group Latitude [deg.]: 36.4912
 Group Longitude [deg.]: -120.1751
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 72
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 33

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.036	
14%	1,000	0.088	
21%	1,500	0.140	
0%	0	0.025	
21%	1,500	0.167	
29%	2,000	0.201	
36%	2,500	0.262	
0%	0	0.046	
36%	2,500	0.281	
43%	3,000	0.332	
50%	3,500	0.402	
0%	0	0.064	
50%	3,500	0.426	
57%	4,000	0.480	
64%	4,500		
0%	0	0.074	
64%	4,500	0.522	
71%	5,000		
79%	5,500		
0%	0	0.079	
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-33A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

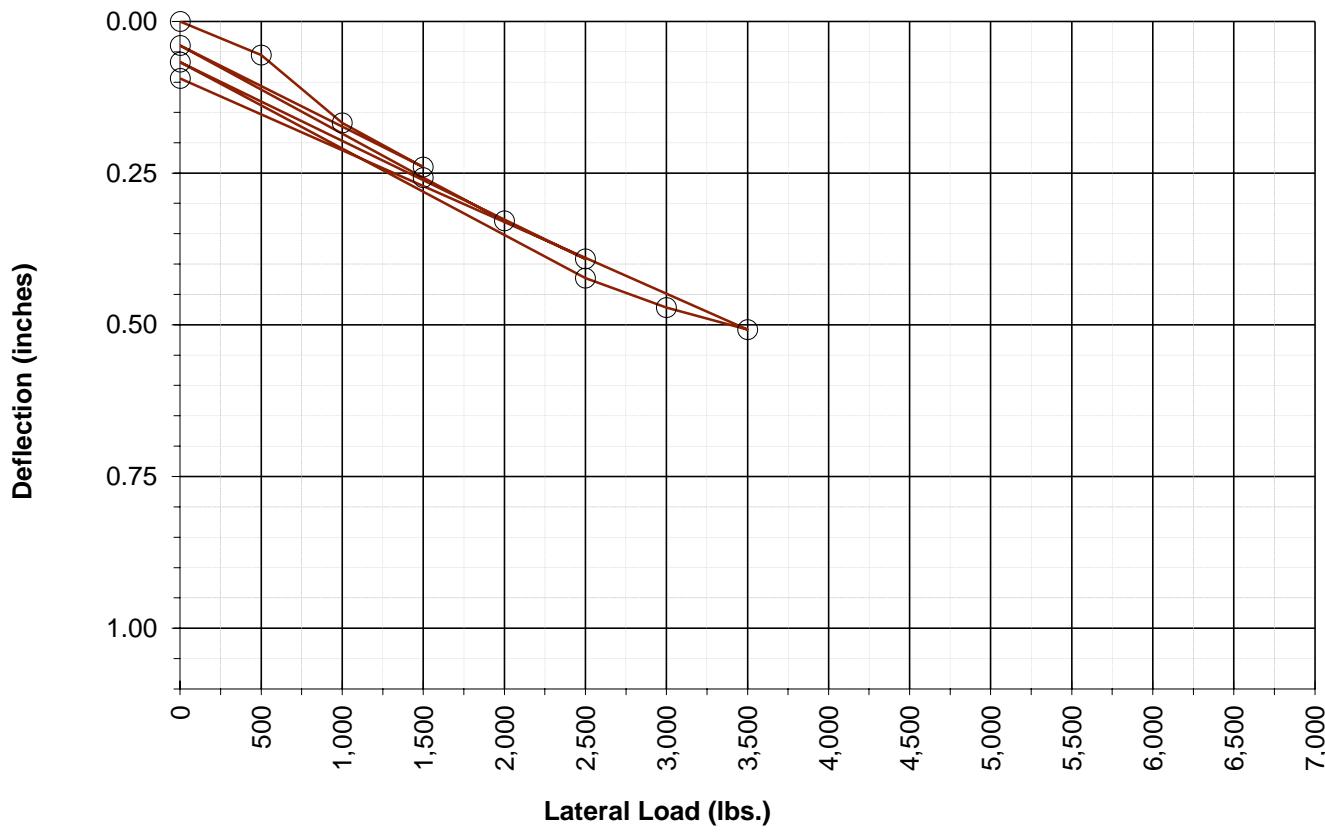
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/14/2023

Pile Information

Pile ID: PLT-33A
 Group Latitude [deg.]: 36.4886
 Group Longitude [deg.]: -120.1796
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 84
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 30

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.055	
14%	1,000	0.168	
21%	1,500	0.240	
0%	0	0.040	
21%	1,500	0.257	
29%	2,000	0.329	
36%	2,500	0.392	
0%	0	0.067	
36%	2,500	0.423	
43%	3,000	0.472	
50%	3,500	0.508	
0%	0	0.094	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-33B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

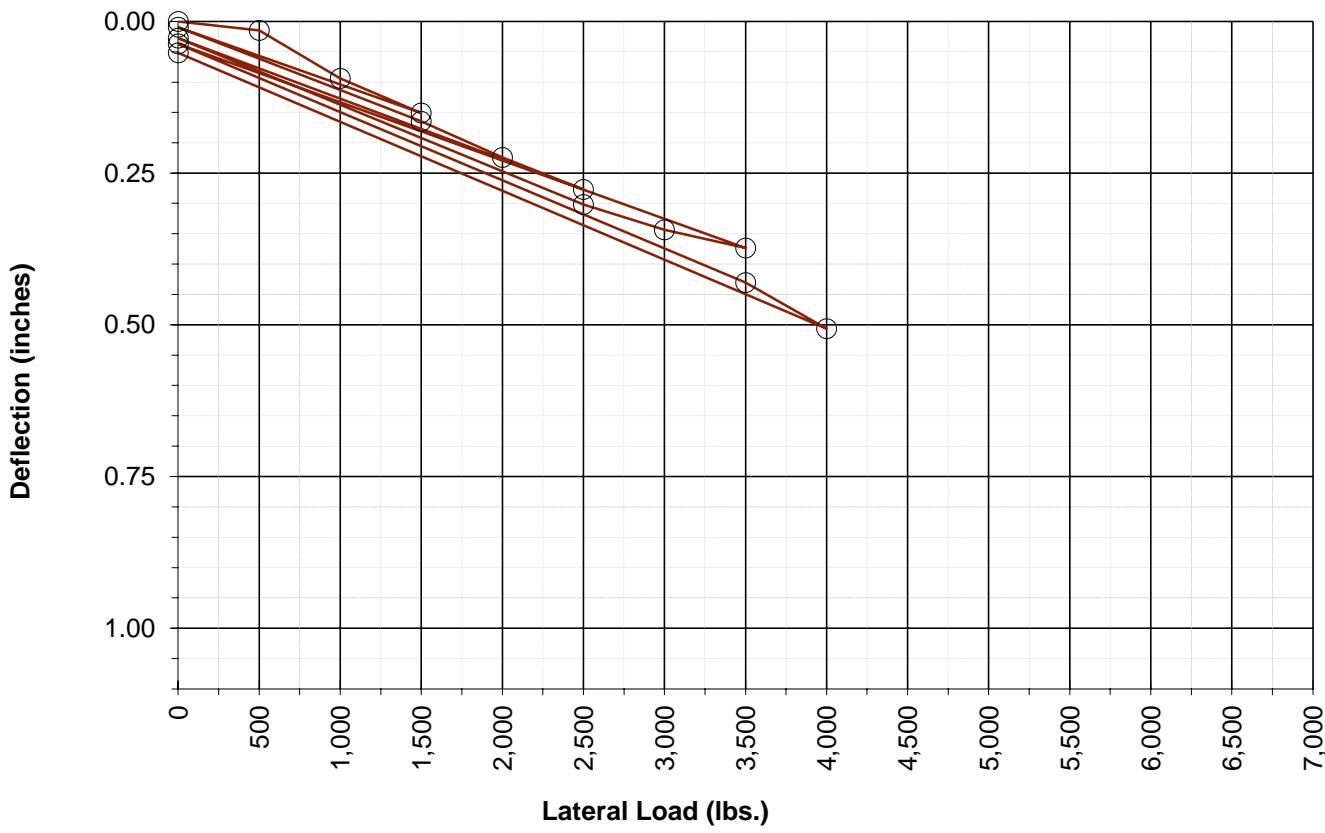
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/14/2023

Pile Information

Pile ID: PLT-33B
 Group Latitude [deg.]: 36.4886
 Group Longitude [deg.]: -120.1796
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 120
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 66

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.015	
14%	1,000	0.094	
21%	1,500	0.151	
0%	0	0.010	
21%	1,500	0.165	
29%	2,000	0.224	
36%	2,500	0.277	
0%	0	0.028	
36%	2,500	0.302	
43%	3,000	0.344	
50%	3,500	0.374	
0%	0	0.037	
50%	3,500	0.430	
57%	4,000	0.507	
64%	4,500		
0%	0	0.052	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-34A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

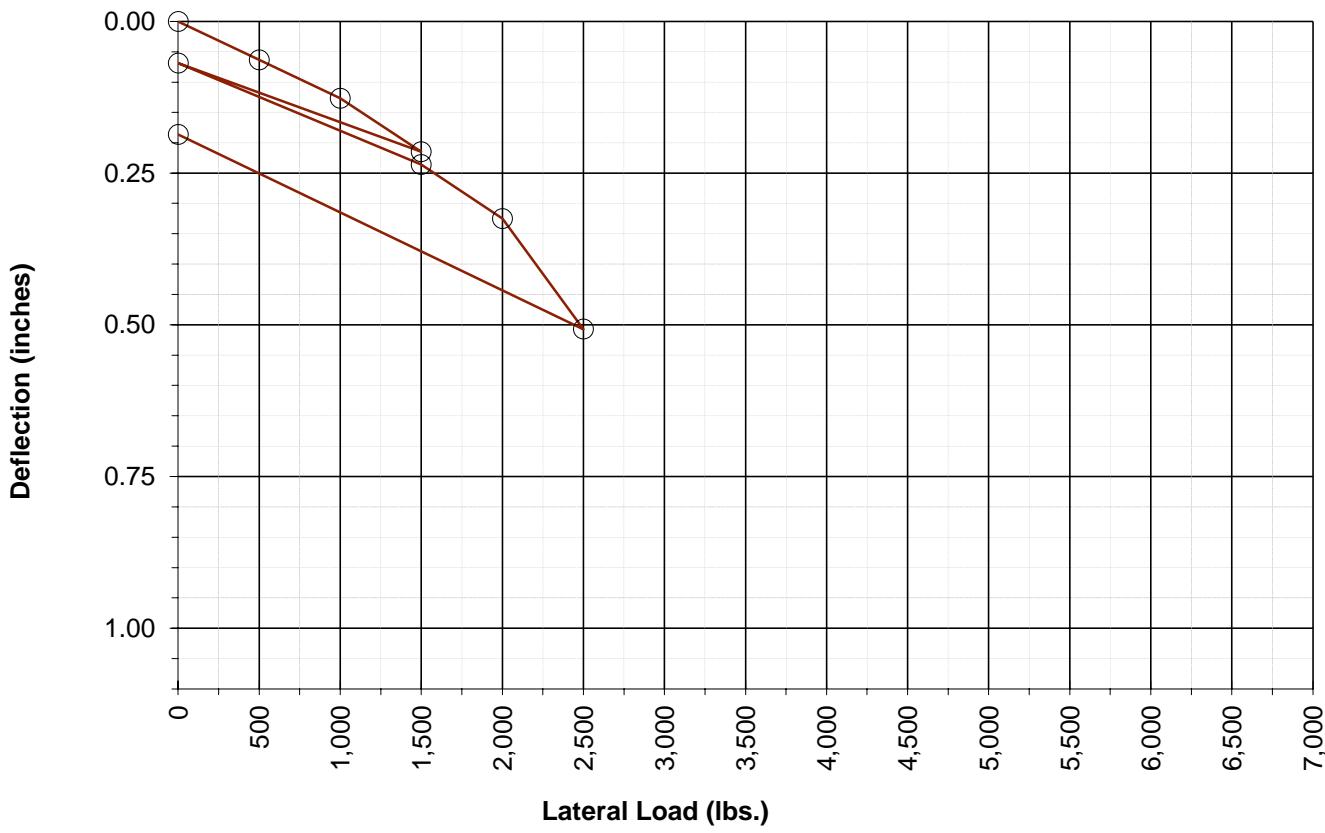
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 2/21/2023

Pile Information

Pile ID: PLT-34A
 Group Latitude [deg.]: 36.4956
 Group Longitude [deg.]: -120.1816
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 60
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 16

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.064	
14%	1,000	0.127	
21%	1,500	0.215	
0%	0	0.069	
21%	1,500	0.236	
29%	2,000	0.325	
36%	2,500	0.507	
0%	0	0.186	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-34B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

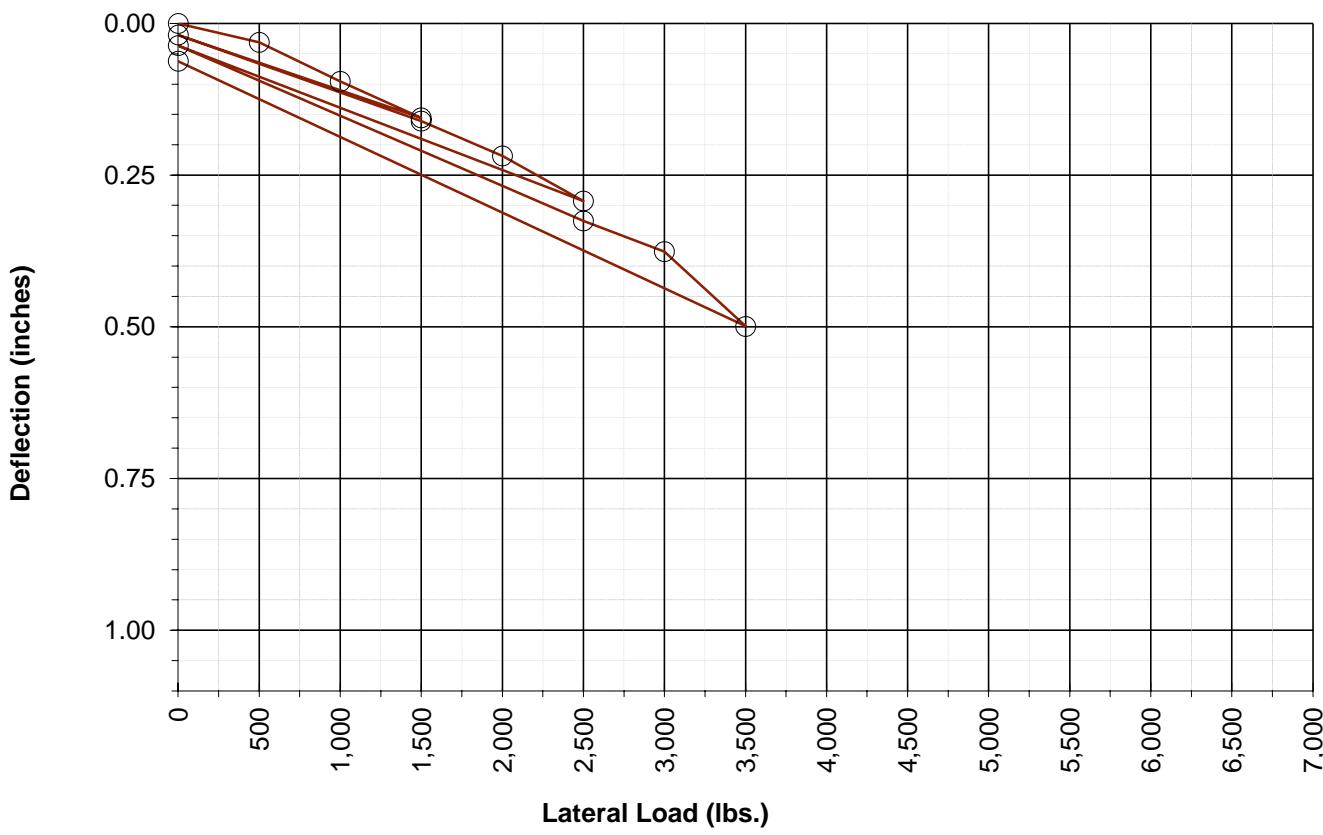
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 2/21/2023

Pile Information

Pile ID: PLT-34B
 Group Latitude [deg.]: 36.4956
 Group Longitude [deg.]: -120.1816
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 96
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 60

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.031	
14%	1,000	0.096	
21%	1,500	0.156	
0%	0	0.019	
21%	1,500	0.161	
29%	2,000	0.219	
36%	2,500	0.293	
0%	0	0.037	
36%	2,500	0.326	
43%	3,000	0.376	
50%	3,500	0.499	
0%	0	0.062	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-35A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

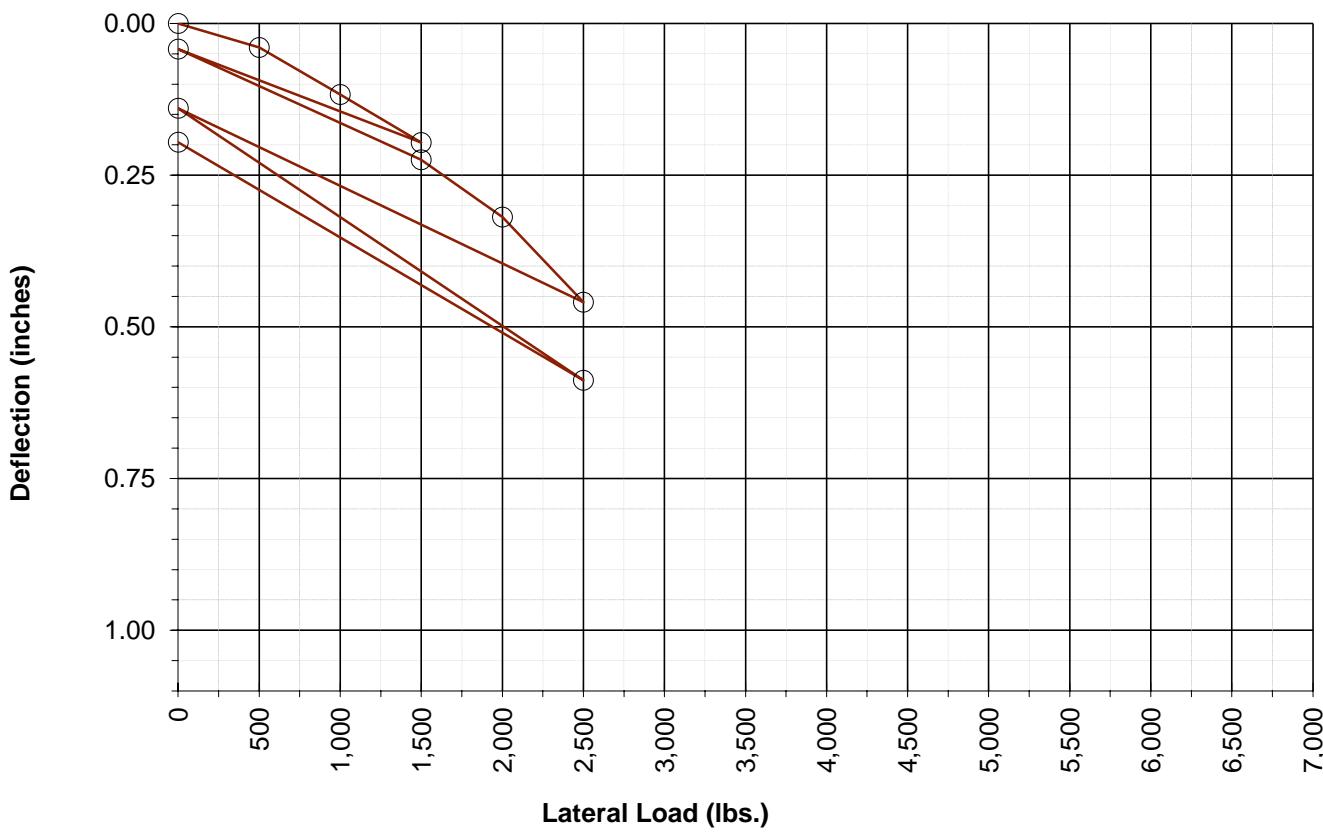
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 2/21/2023

Pile Information

Pile ID: PLT-35A
 Group Latitude [deg.]: 36.4919
 Group Longitude [deg.]: -120.1874
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 72
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 25

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.040	
14%	1,000	0.118	
21%	1,500	0.197	
0%	0	0.042	
21%	1,500	0.225	
29%	2,000	0.319	
36%	2,500	0.459	
0%	0	0.140	
36%	2,500	0.588	
43%	3,000		
50%	3,500		
0%	0	0.196	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-35B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

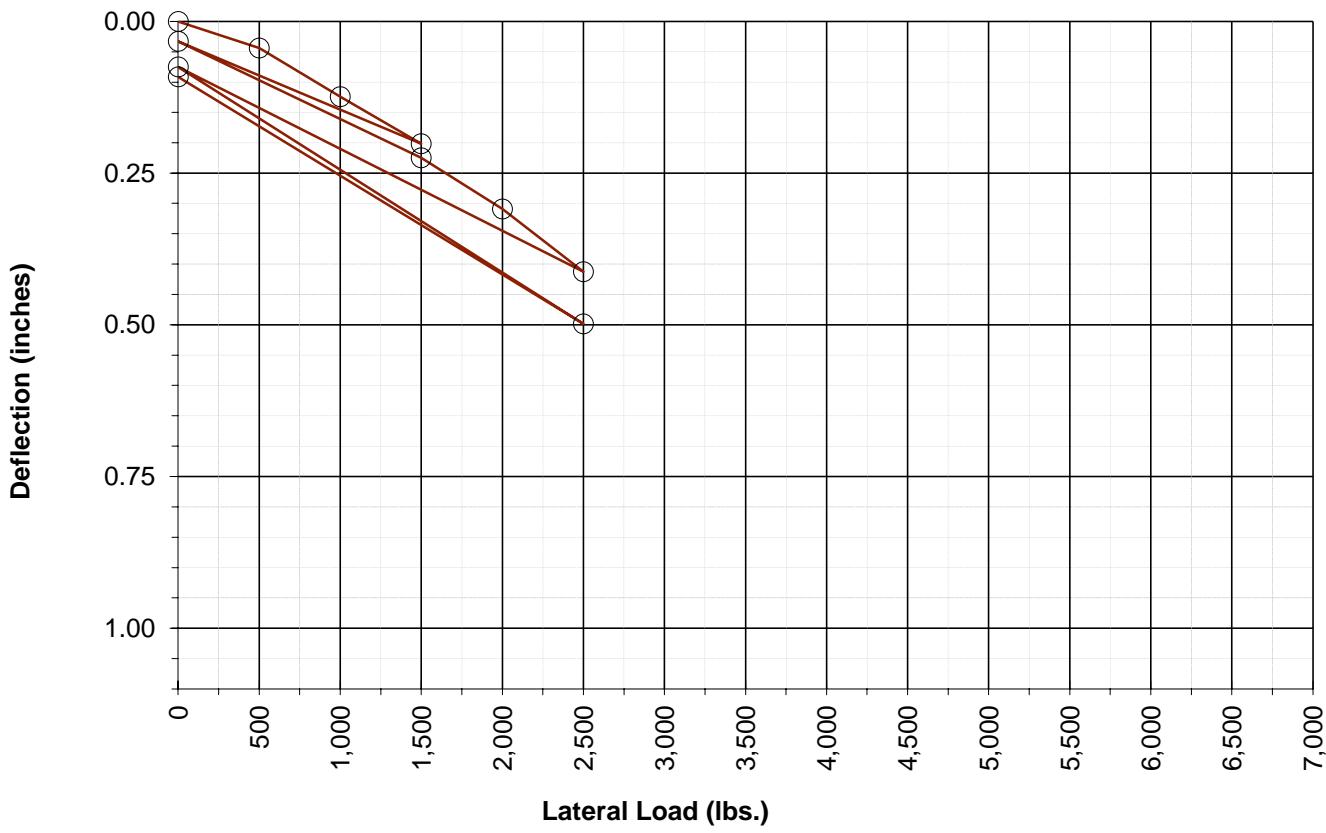
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 2/21/2023

Pile Information

Pile ID: PLT-35B
 Group Latitude [deg.]: 36.4919
 Group Longitude [deg.]: -120.1874
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 108
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 69

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.044	
14%	1,000	0.124	
21%	1,500	0.202	
0%	0	0.033	
21%	1,500	0.225	
29%	2,000	0.309	
36%	2,500	0.413	
0%	0	0.075	
36%	2,500	0.499	
43%	3,000		
50%	3,500		
0%	0	0.092	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-36A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

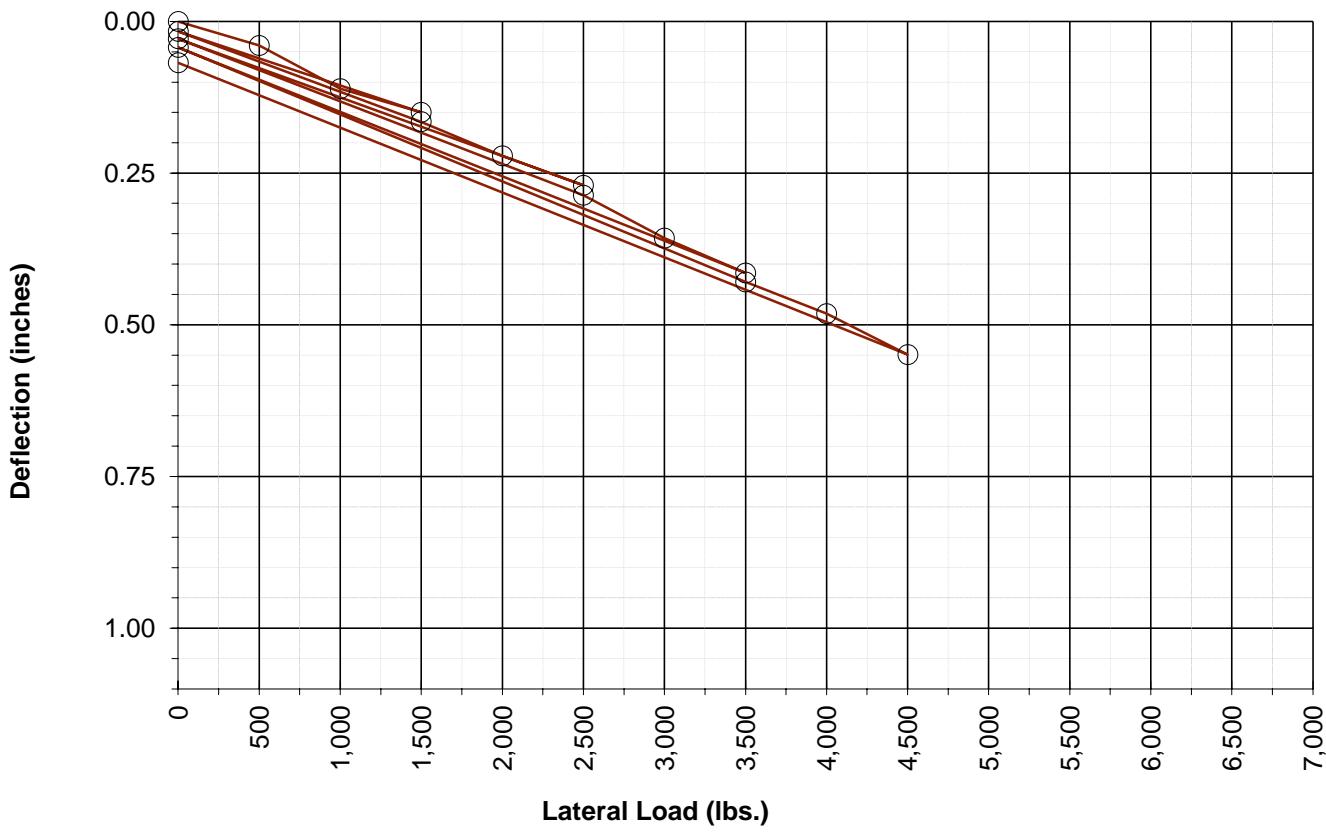
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/11/2023

Pile Information

Pile ID: PLT-36A
 Group Latitude [deg.]: 36.4893
 Group Longitude [deg.]: -120.1927
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 84
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 0

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.040	
14%	1,000	0.111	
21%	1,500	0.150	
0%	0	0.016	
21%	1,500	0.166	
29%	2,000	0.221	
36%	2,500	0.270	
0%	0	0.029	
36%	2,500	0.287	
43%	3,000	0.357	
50%	3,500	0.415	
0%	0	0.043	
50%	3,500	0.430	
57%	4,000	0.482	
64%	4,500	0.549	
0%	0	0.069	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-36B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

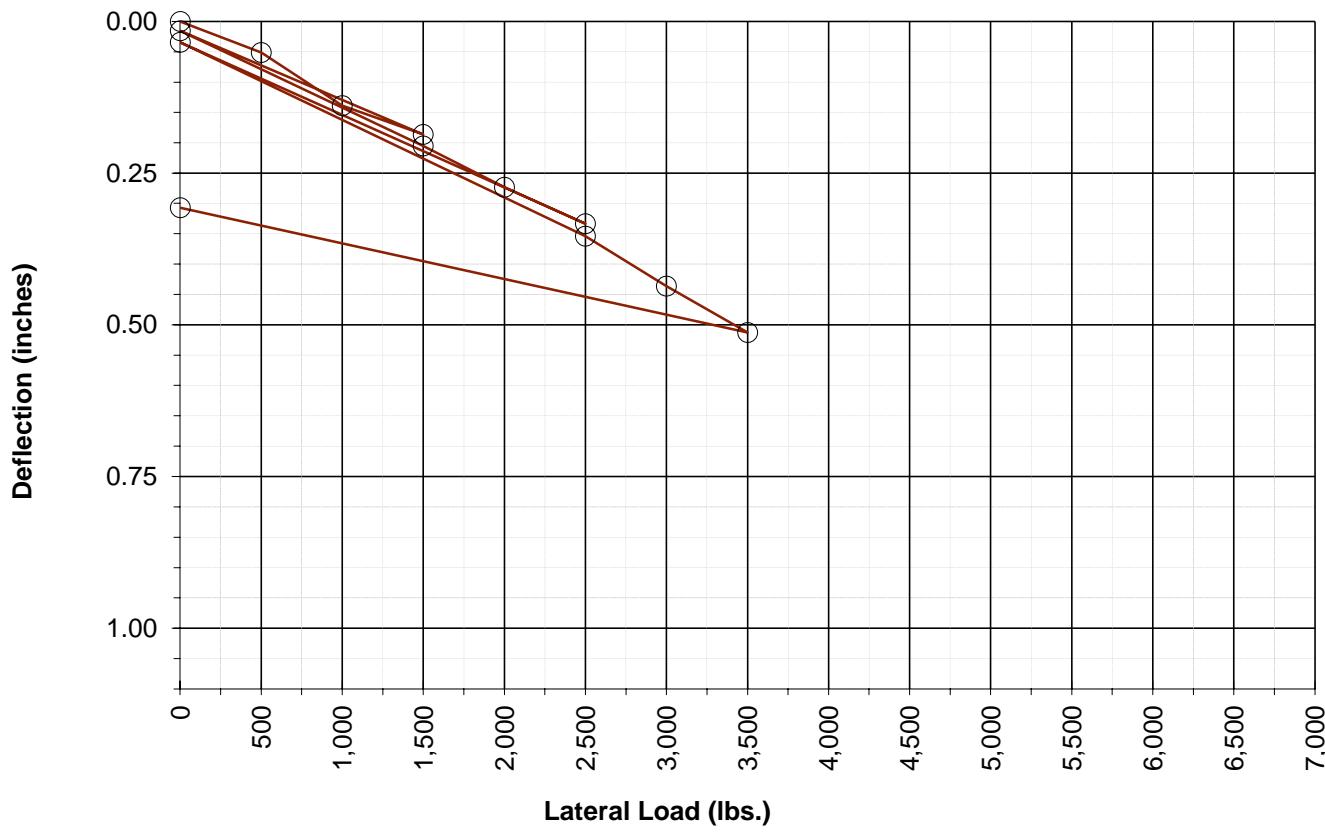
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/11/2023

Pile Information

Pile ID: PLT-36B
 Group Latitude [deg.]: 36.4893
 Group Longitude [deg.]: -120.1927
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 120
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 91

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.051	
14%	1,000	0.139	
21%	1,500	0.186	
0%	0	0.015	
21%	1,500	0.206	
29%	2,000	0.274	
36%	2,500	0.334	
0%	0	0.035	
36%	2,500	0.354	
43%	3,000	0.437	
50%	3,500	0.513	
0%	0	0.307	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-37A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

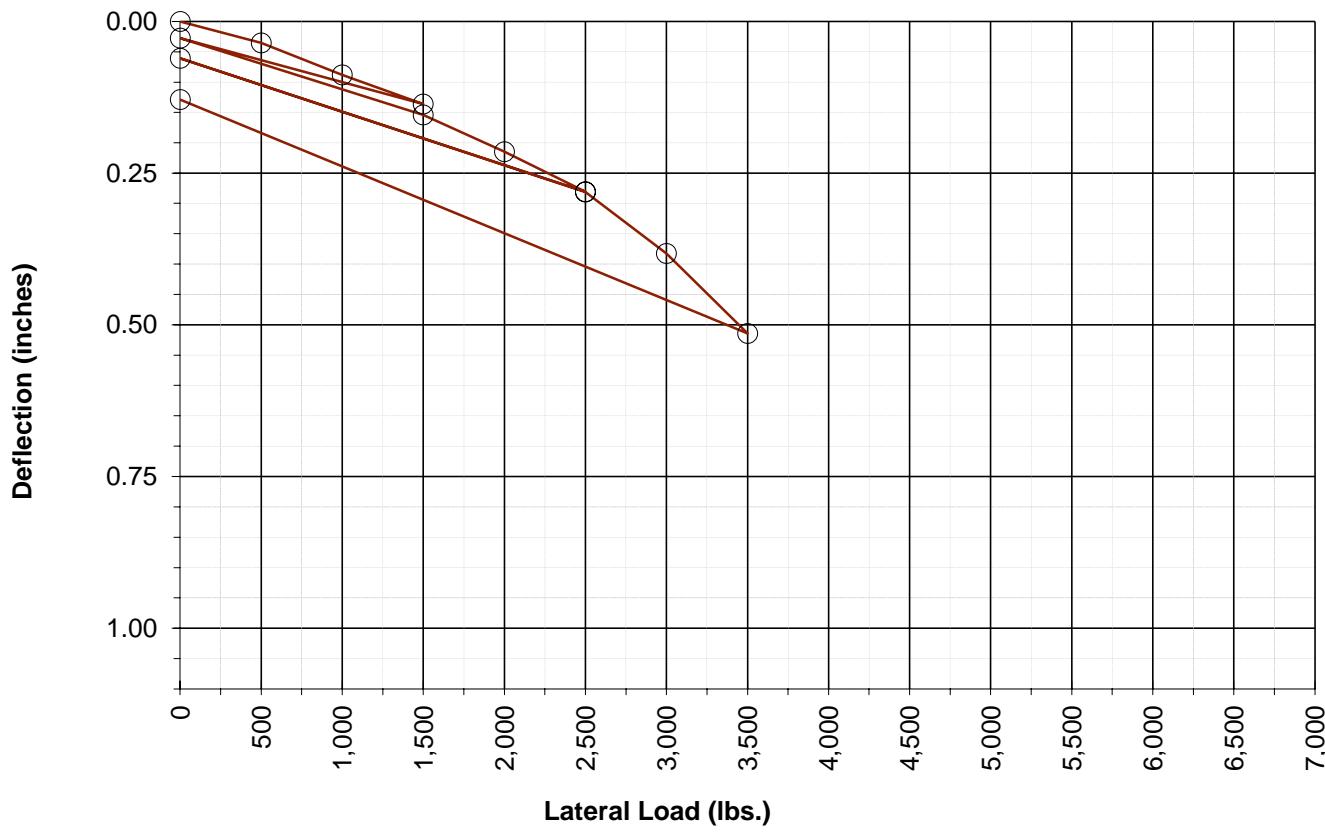
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 2/21/2023

Pile Information

Pile ID: PLT-37A
 Group Latitude [deg.]: 36.4927
 Group Longitude [deg.]: -120.1962
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 60
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 23

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.036	
14%	1,000	0.088	
21%	1,500	0.136	
0%	0	0.028	
21%	1,500	0.155	
29%	2,000	0.215	
36%	2,500	0.281	
0%	0	0.061	
36%	2,500	0.281	
43%	3,000	0.383	
50%	3,500	0.514	
0%	0	0.129	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-37B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

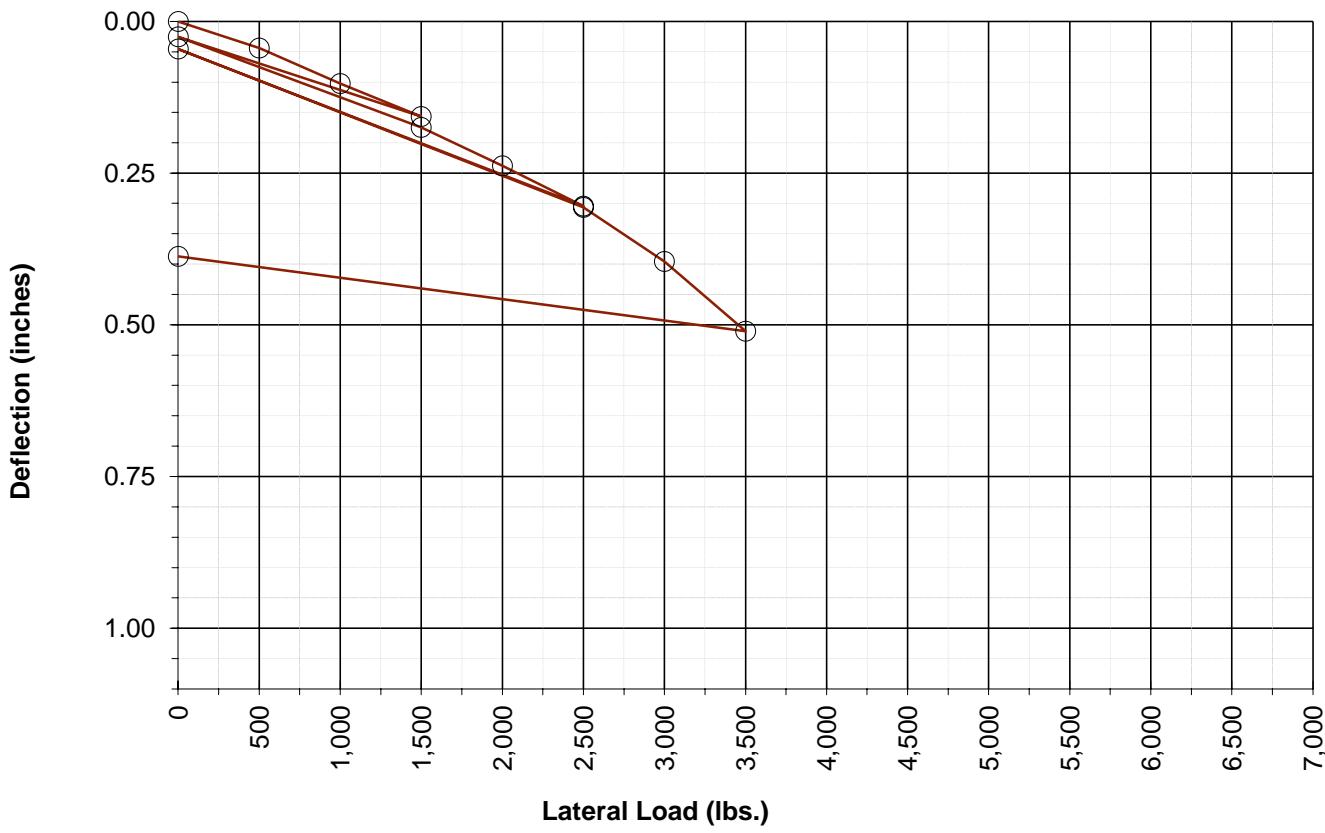
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 2/21/2023

Pile Information

Pile ID: PLT-37B
 Group Latitude [deg.]: 36.4927
 Group Longitude [deg.]: -120.1962
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 96
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 57

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.044	
14%	1,000	0.103	
21%	1,500	0.157	
0%	0	0.026	
21%	1,500	0.175	
29%	2,000	0.238	
36%	2,500	0.305	
0%	0	0.046	
36%	2,500	0.306	
43%	3,000	0.396	
50%	3,500	0.511	
0%	0	0.387	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-38A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

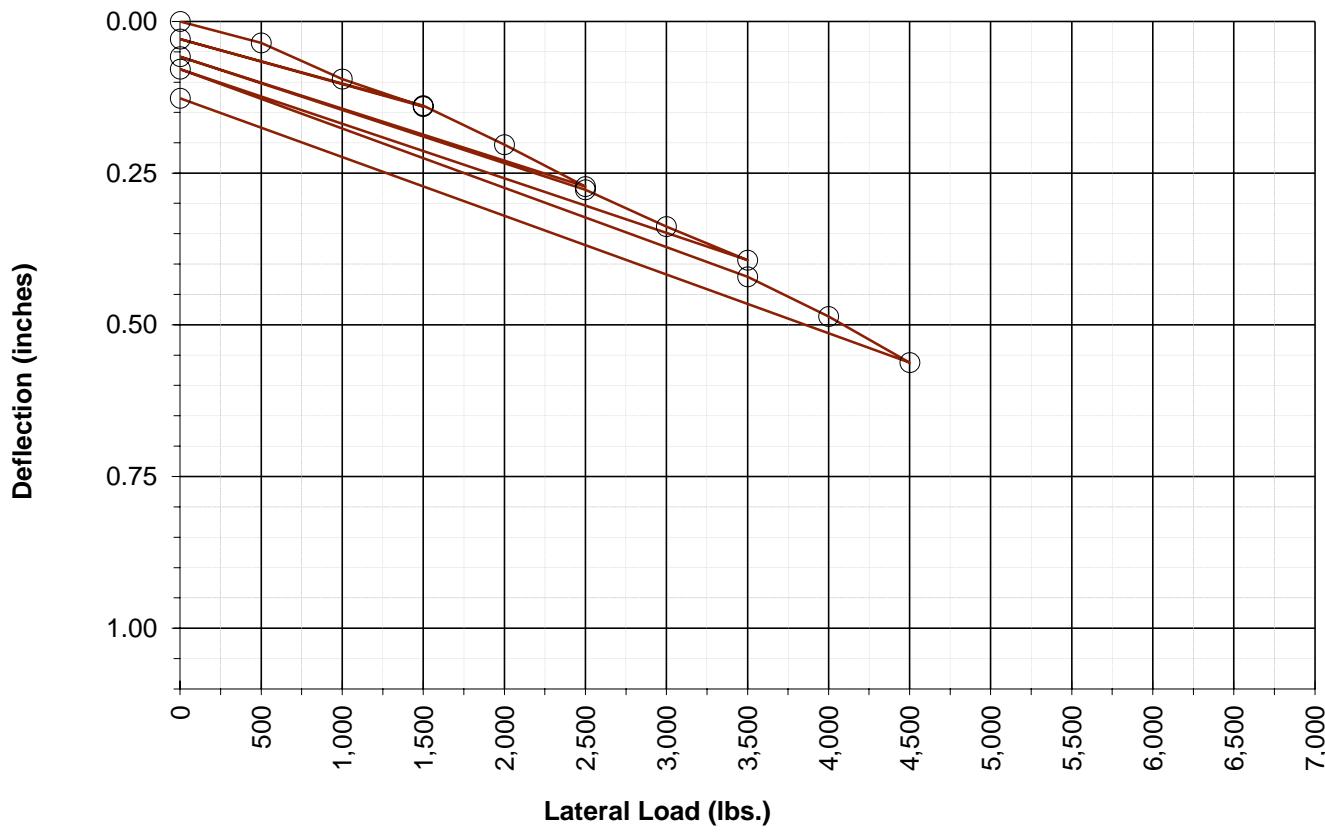
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 4/4/2023

Pile Information

Pile ID: PLT-38A
 Group Latitude [deg.]: 36.4940
 Group Longitude [deg.]: -120.2044
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 72
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 26

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.035	
14%	1,000	0.095	
21%	1,500	0.141	
0%	0	0.029	
21%	1,500	0.139	
29%	2,000	0.204	
36%	2,500	0.272	
0%	0	0.058	
36%	2,500	0.278	
43%	3,000	0.338	
50%	3,500	0.393	
0%	0	0.079	
50%	3,500	0.421	
57%	4,000	0.486	
64%	4,500	0.563	
0%	0	0.127	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-38B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

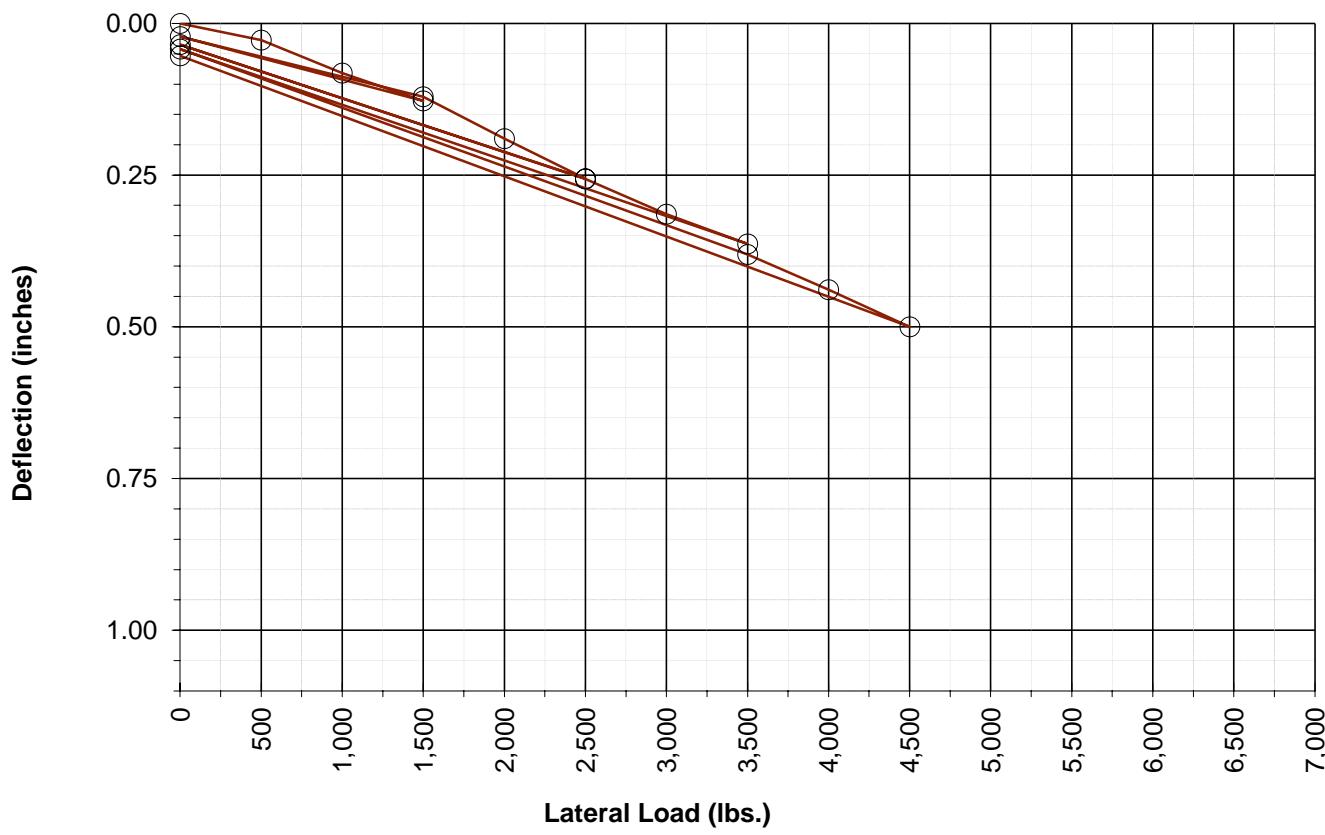
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 4/4/2023

Pile Information

Pile ID: PLT-38B
 Group Latitude [deg.]: 36.4940
 Group Longitude [deg.]: -120.2044
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 108
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 52

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.028	
14%	1,000	0.082	
21%	1,500	0.128	
0%	0	0.022	
21%	1,500	0.121	
29%	2,000	0.190	
36%	2,500	0.256	
0%	0	0.035	
36%	2,500	0.257	
43%	3,000	0.315	
50%	3,500	0.363	
0%	0	0.043	
50%	3,500	0.381	
57%	4,000	0.439	
64%	4,500	0.500	
0%	0	0.054	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-39A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

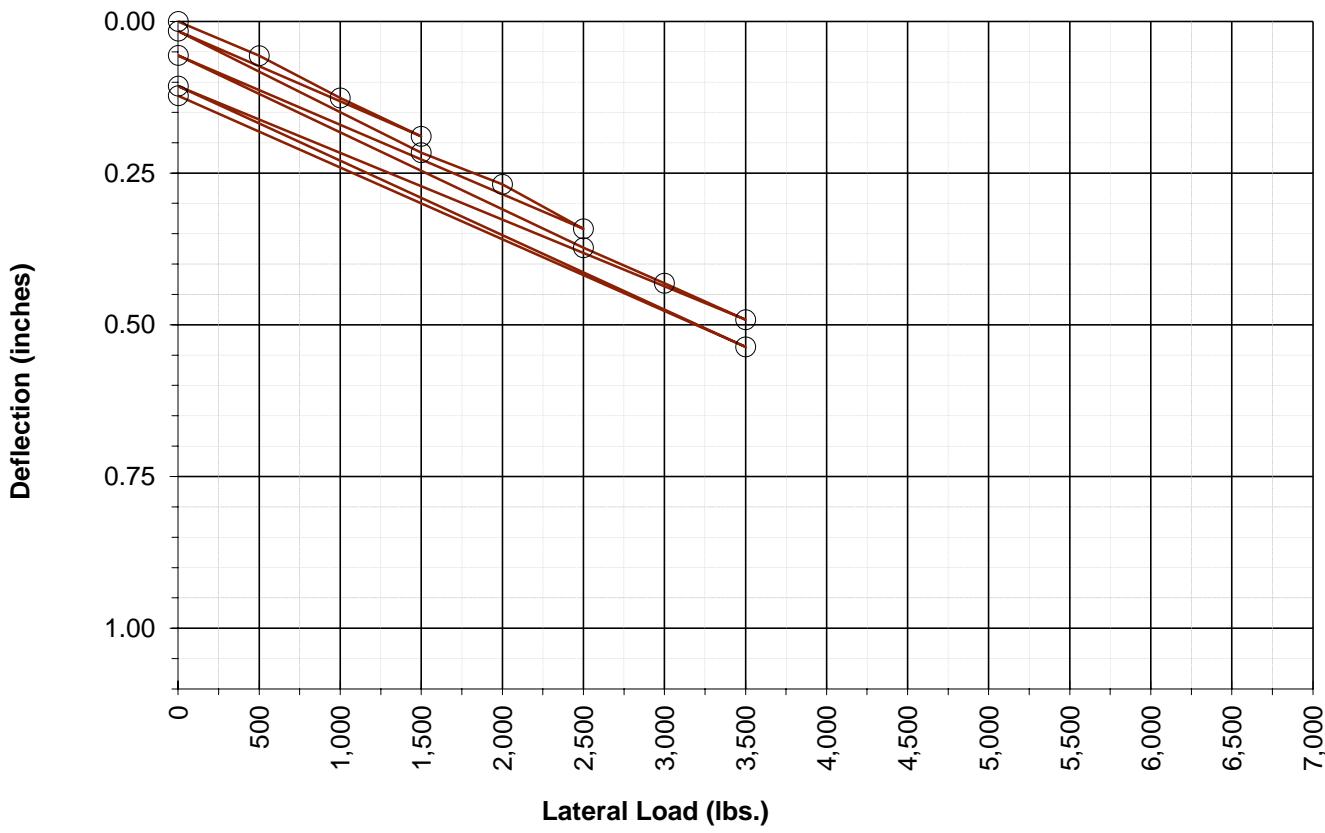
Test Date and Representative

Tested By Terracon Rep: JM/AA
 Date Tested: 5/13/2023

Pile Information

Pile ID: PLT-39A
 Group Latitude [deg.]: 36.4733
 Group Longitude [deg.]: -120.2156
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 84
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 24

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.057	
14%	1,000	0.126	
21%	1,500	0.190	
0%	0	0.016	
21%	1,500	0.217	
29%	2,000	0.269	
36%	2,500	0.342	
0%	0	0.056	
36%	2,500	0.373	
43%	3,000	0.431	
50%	3,500	0.492	
0%	0	0.107	
50%	3,500	0.536	
57%	4,000		
64%	4,500		
0%	0	0.123	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-39B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

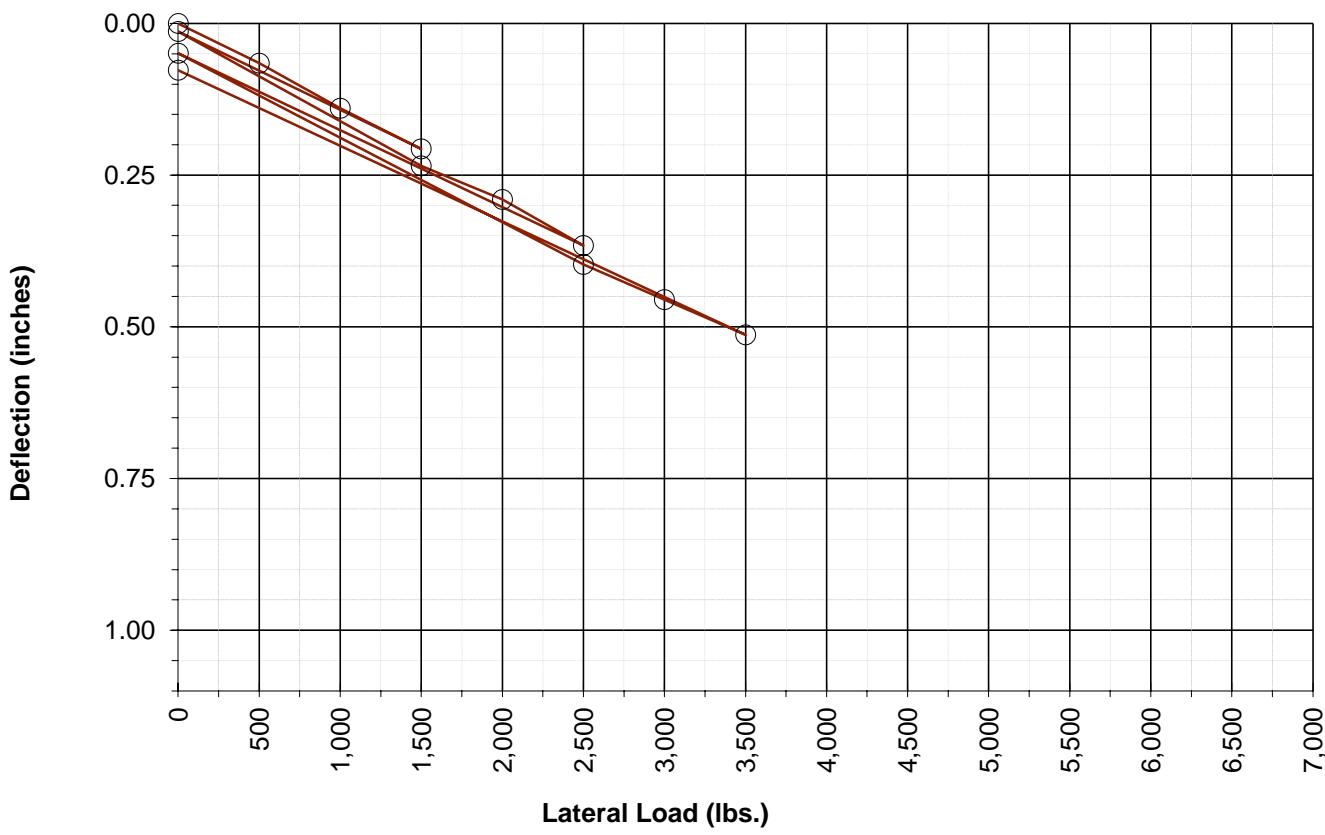
Test Date and Representative

Tested By Terracon Rep: JM/AA
 Date Tested: 5/13/2023

Pile Information

Pile ID: PLT-39B
 Group Latitude [deg.]: 36.4733
 Group Longitude [deg.]: -120.2156
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 120
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 50

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.066	
14%	1,000	0.140	
21%	1,500	0.207	
0%	0	0.014	
21%	1,500	0.235	
29%	2,000	0.290	
36%	2,500	0.366	
0%	0	0.049	
36%	2,500	0.397	
43%	3,000	0.455	
50%	3,500	0.513	
0%	0	0.077	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-40A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

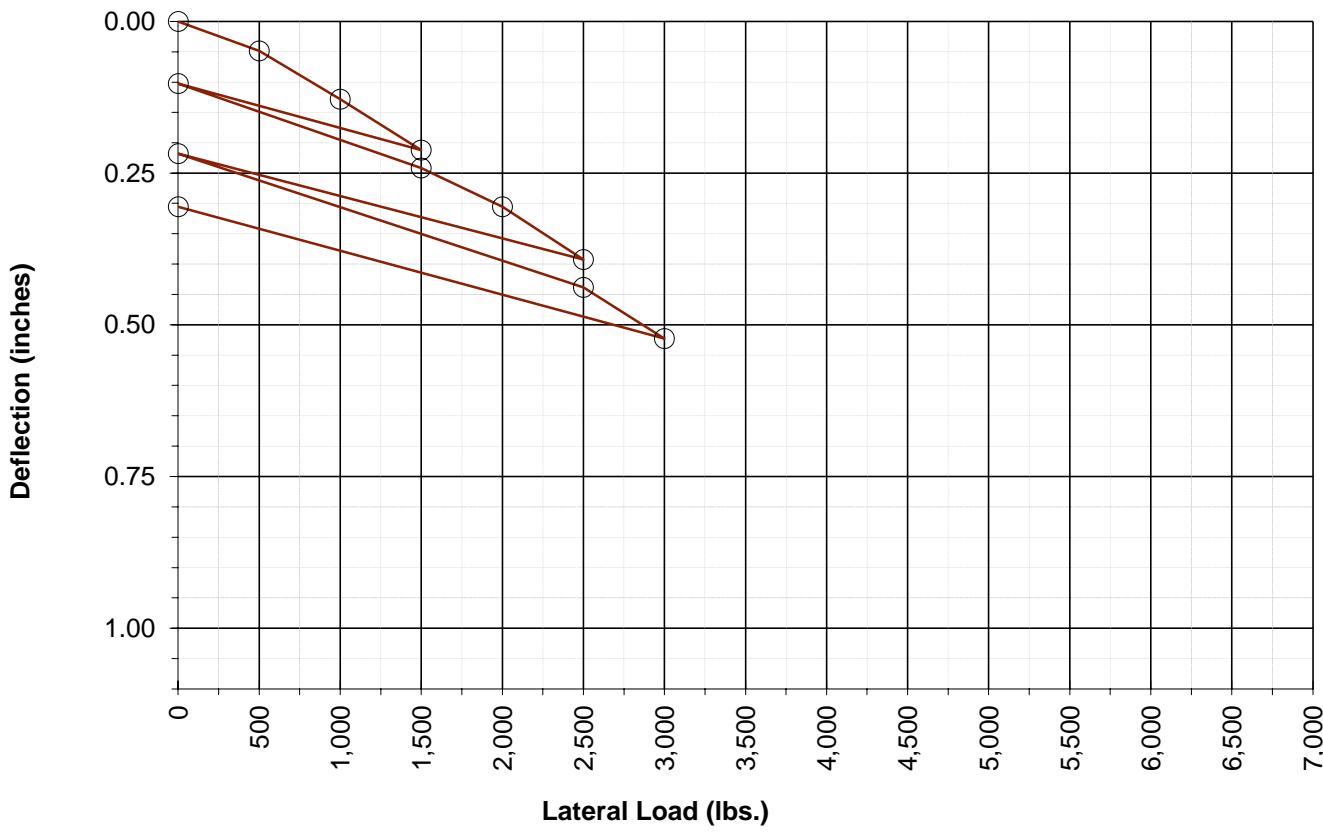
Test Date and Representative

Tested By Terracon Rep: JM/AA
 Date Tested: 6/20/2023

Pile Information

Pile ID: PLT-40A
 Group Latitude [deg.]: 36.4877
 Group Longitude [deg.]: -120.2128
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 60
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 16

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.049	
14%	1,000	0.129	
21%	1,500	0.212	
0%	0	0.103	
21%	1,500	0.242	
29%	2,000	0.306	
36%	2,500	0.393	
0%	0	0.218	
36%	2,500	0.439	
43%	3,000	0.523	
50%	3,500		
0%	0	0.305	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-40B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

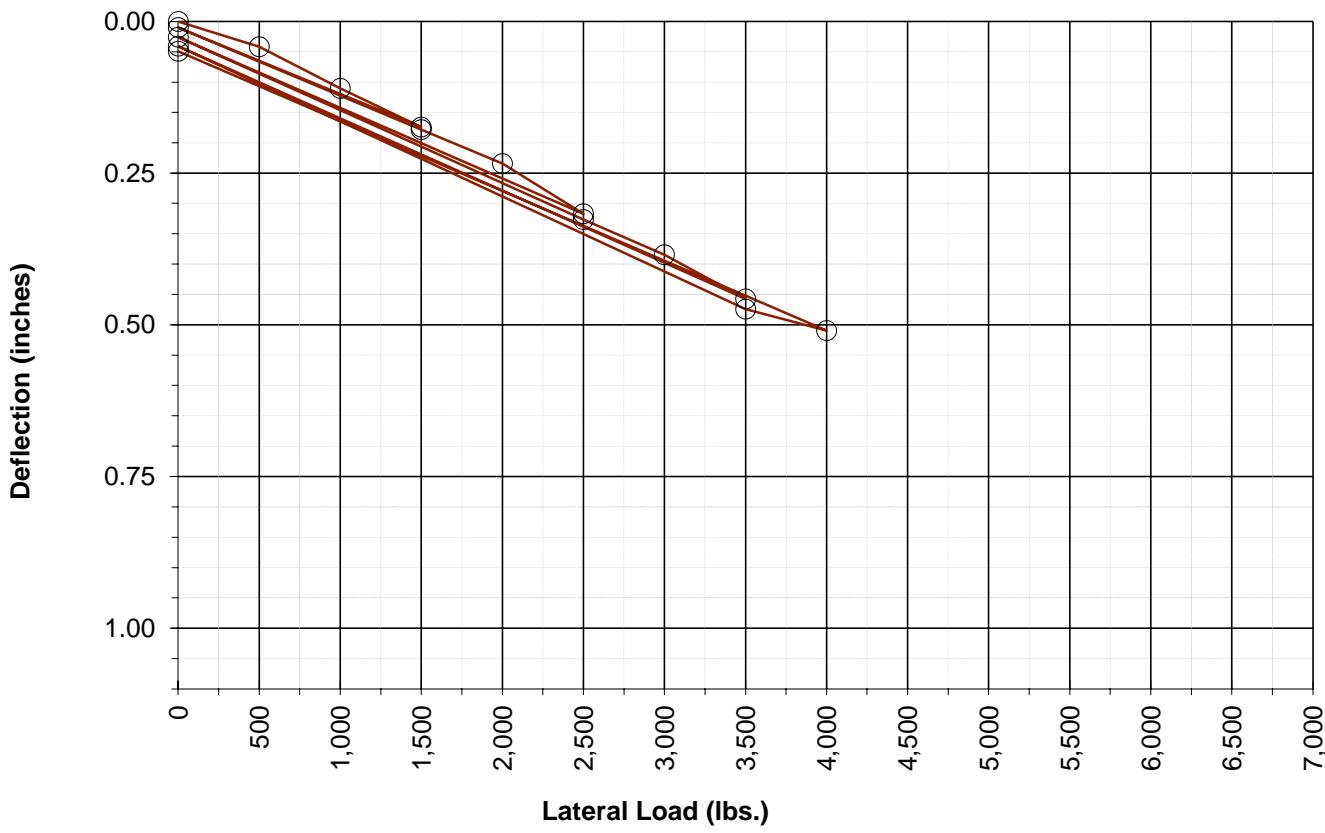
Test Date and Representative

Tested By Terracon Rep: JM/AA
 Date Tested: 6/20/2023

Pile Information

Pile ID: PLT-40B
 Group Latitude [deg.]: 36.4877
 Group Longitude [deg.]: -120.2128
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 96
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 53

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.042	
14%	1,000	0.110	
21%	1,500	0.174	
0%	0	0.010	
21%	1,500	0.179	
29%	2,000	0.235	
36%	2,500	0.317	
0%	0	0.026	
36%	2,500	0.326	
43%	3,000	0.385	
50%	3,500	0.458	
0%	0	0.041	
50%	3,500	0.474	
57%	4,000	0.510	
64%	4,500		
0%	0	0.049	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-41A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

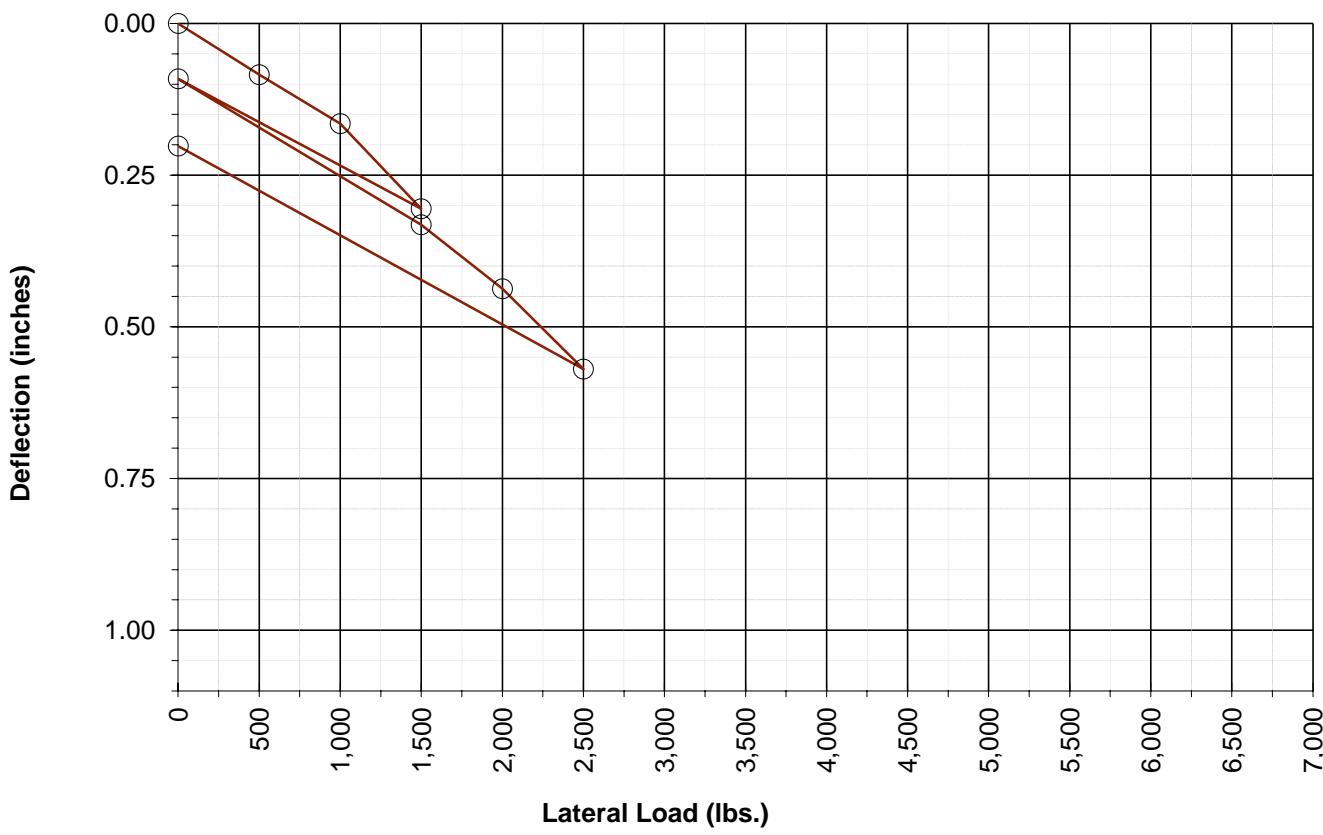
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/12/2023

Pile Information

Pile ID: PLT-41A
 Group Latitude [deg.]: 36.4884
 Group Longitude [deg.]: -120.2203
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 72
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 18

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.085	
14%	1,000	0.165	
21%	1,500	0.306	
0%	0	0.092	
21%	1,500	0.332	
29%	2,000	0.437	
36%	2,500	0.570	
0%	0	0.202	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-41B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

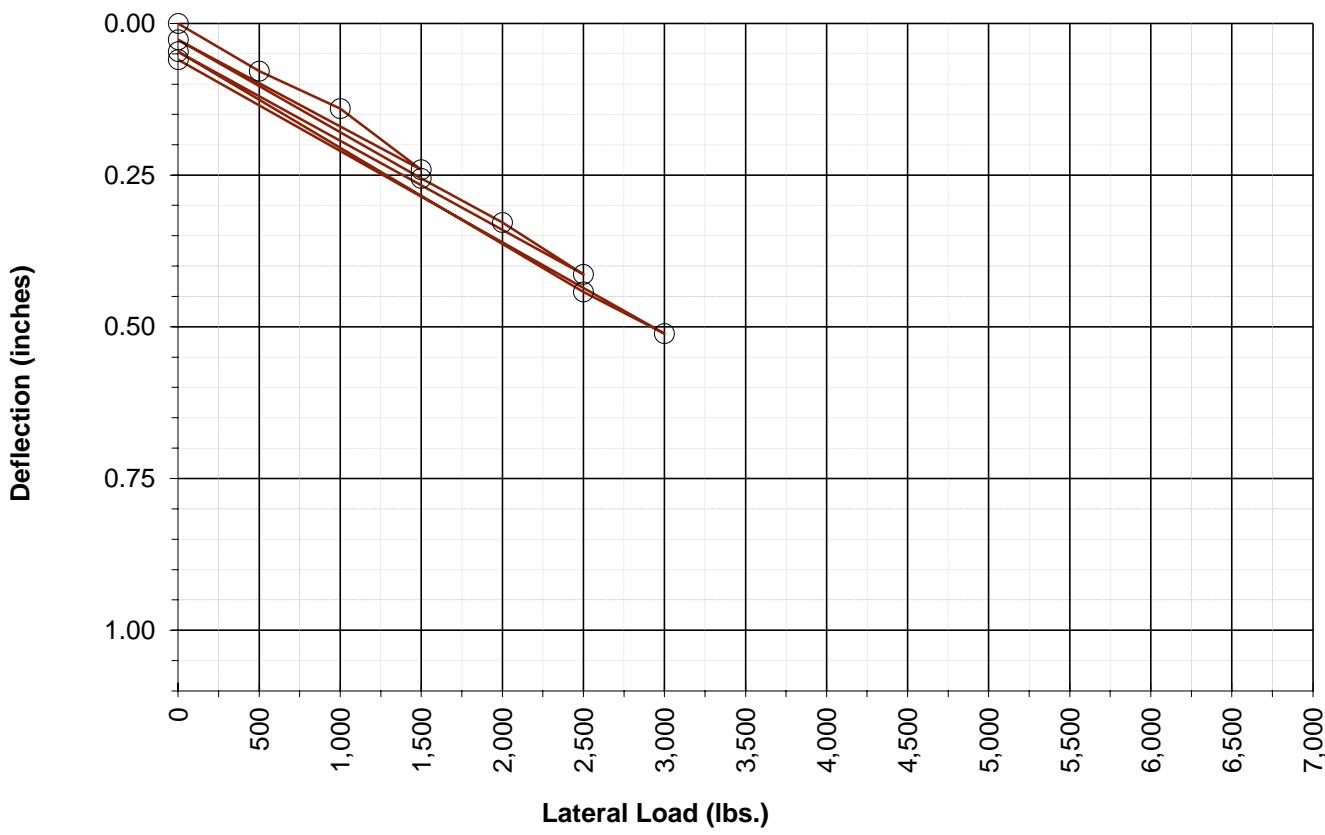
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/12/2023

Pile Information

Pile ID: PLT-41B
 Group Latitude [deg.]: 36.4884
 Group Longitude [deg.]: -120.2203
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 108
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 37

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.079	
14%	1,000	0.141	
21%	1,500	0.241	
0%	0	0.027	
21%	1,500	0.255	
29%	2,000	0.328	
36%	2,500	0.414	
0%	0	0.047	
36%	2,500	0.442	
43%	3,000	0.511	
50%	3,500		
0%	0	0.060	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-42A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

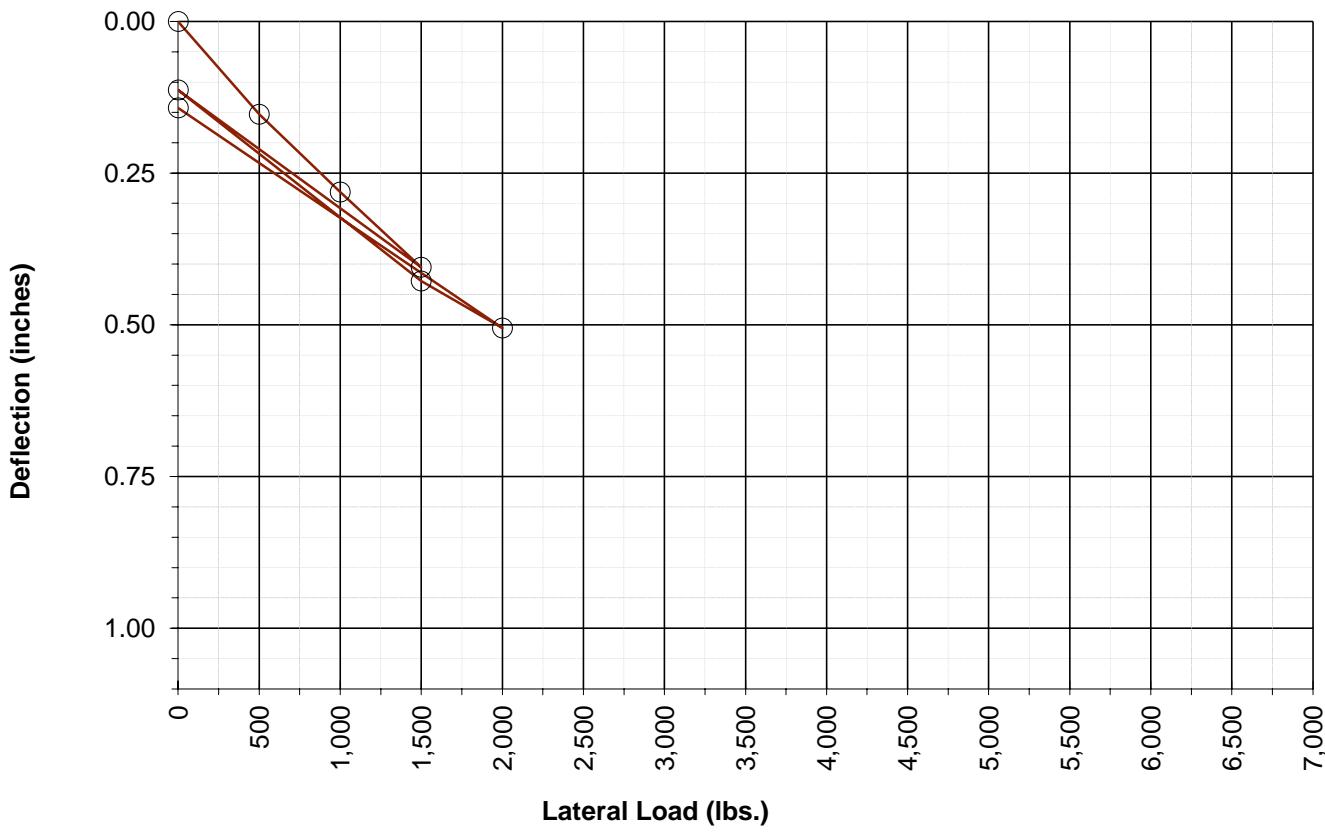
Test Date and Representative

Tested By Terracon Rep: JM/AA
 Date Tested: 5/18/2023

Pile Information

Pile ID: PLT-42A
 Group Latitude [deg.]: 36.4864
 Group Longitude [deg.]: -120.2450
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 84
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 22

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.153	
14%	1,000	0.281	
21%	1,500	0.405	
0%	0	0.113	
21%	1,500	0.428	
29%	2,000	0.505	
36%	2,500		
0%	0	0.143	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-42B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

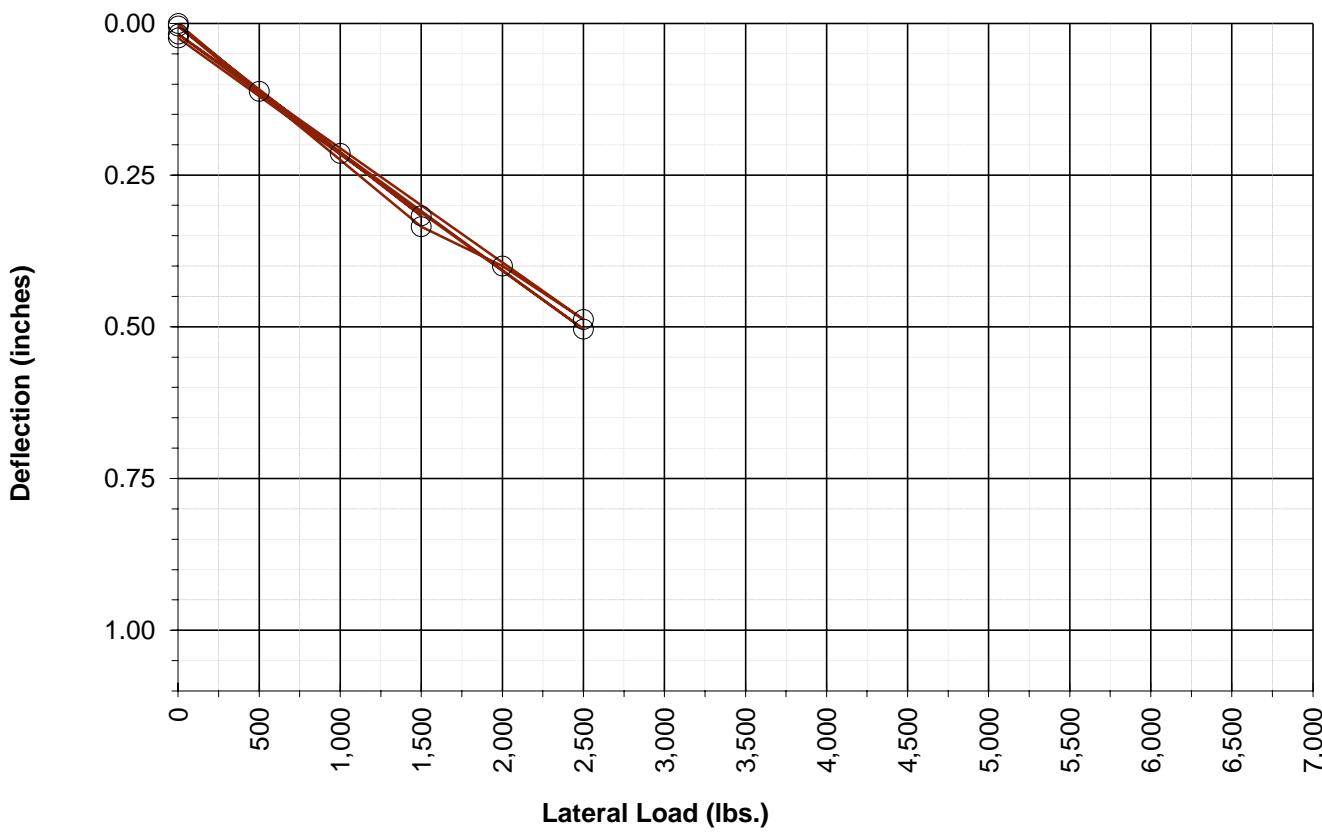
Test Date and Representative

Tested By Terracon Rep: JM/AA
 Date Tested: 5/18/2023

Pile Information

Pile ID: PLT-42B
 Group Latitude [deg.]: 36.4864
 Group Longitude [deg.]: -120.2450
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 120
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 38

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.112	
14%	1,000	0.214	
21%	1,500	0.317	
0%	0	0.005	
21%	1,500	0.335	
29%	2,000	0.400	
36%	2,500	0.488	
0%	0	0.018	
36%	2,500	0.504	
43%	3,000		
50%	3,500		
0%	0	0.024	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-43A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

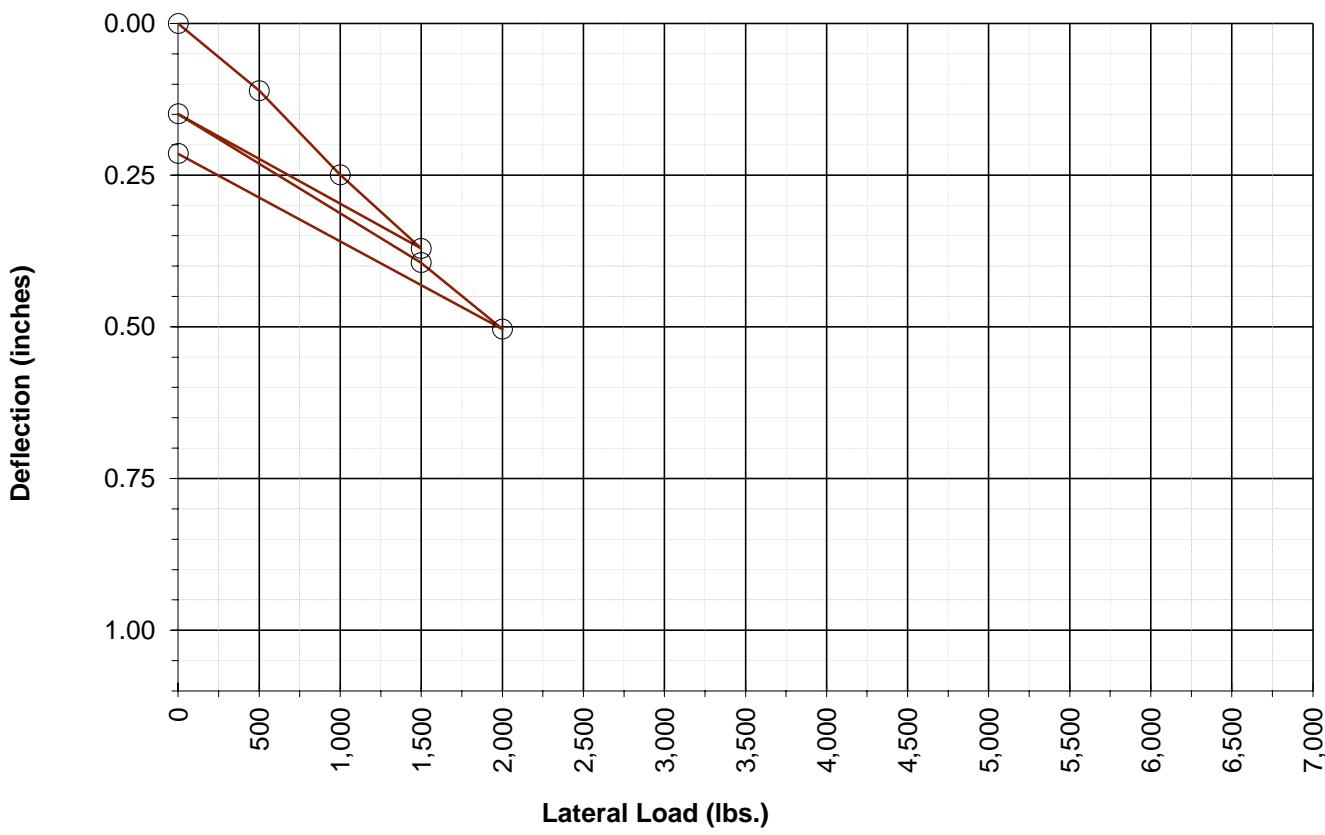
Test Date and Representative

Tested By Terracon Rep: JM/AA
 Date Tested: 5/18/2023

Pile Information

Pile ID: PLT-43A
 Group Latitude [deg.]: 36.4827
 Group Longitude [deg.]: -120.2469
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 60
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 20

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.111	
14%	1,000	0.250	
21%	1,500	0.371	
0%	0	0.149	
21%	1,500	0.395	
29%	2,000	0.504	
36%	2,500		
0%	0	0.215	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-43B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

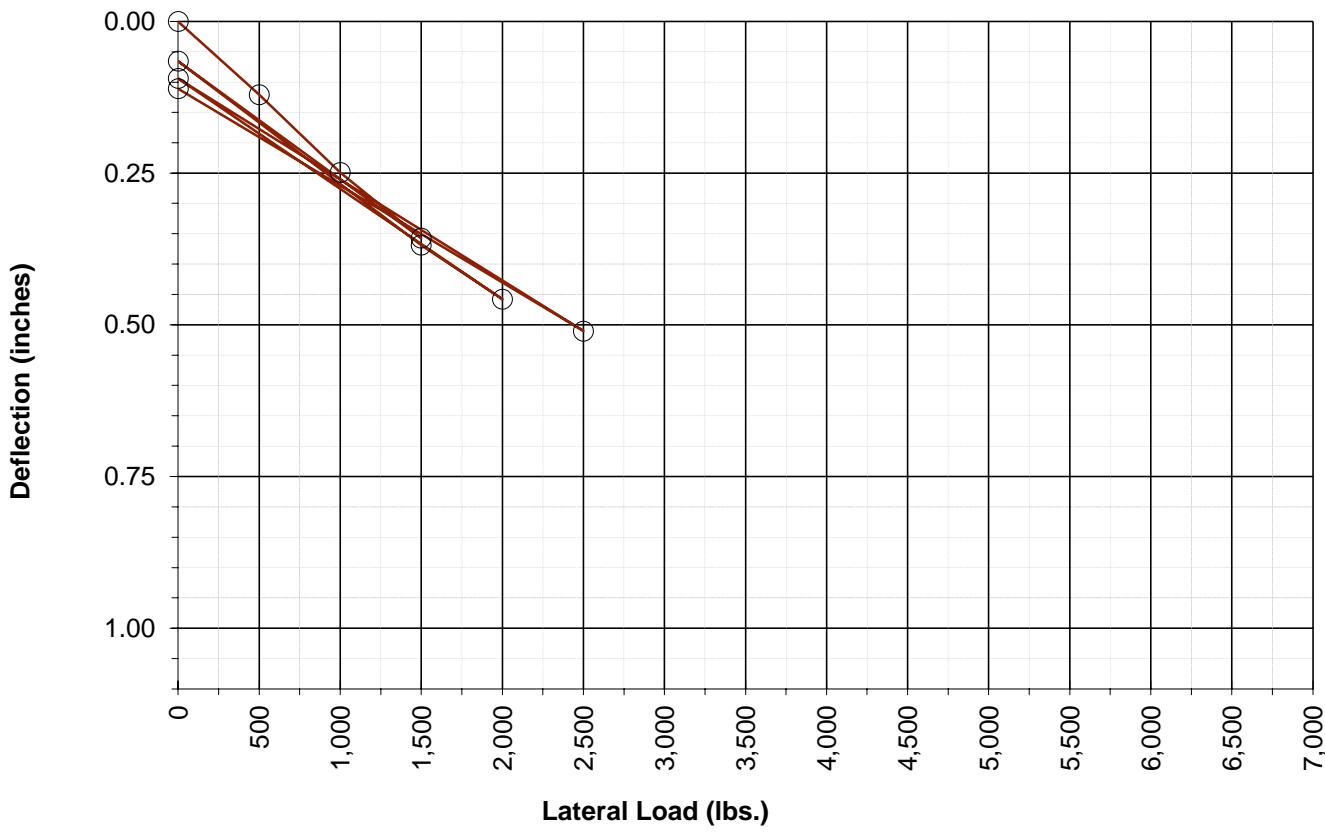
Test Date and Representative

Tested By Terracon Rep: JM/AA
 Date Tested: 5/18/2023

Pile Information

Pile ID: PLT-43B
 Group Latitude [deg.]: 36.4827
 Group Longitude [deg.]: -120.2469
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 84
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 59

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.121	
14%	1,000	0.249	
21%	1,500	0.357	
0%	0	0.066	
21%	1,500	0.369	
29%	2,000	0.458	
36%	2,500		
0%	0	0.094	
36%	2,500	0.510	
43%	3,000		
50%	3,500		
0%	0	0.111	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-44A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

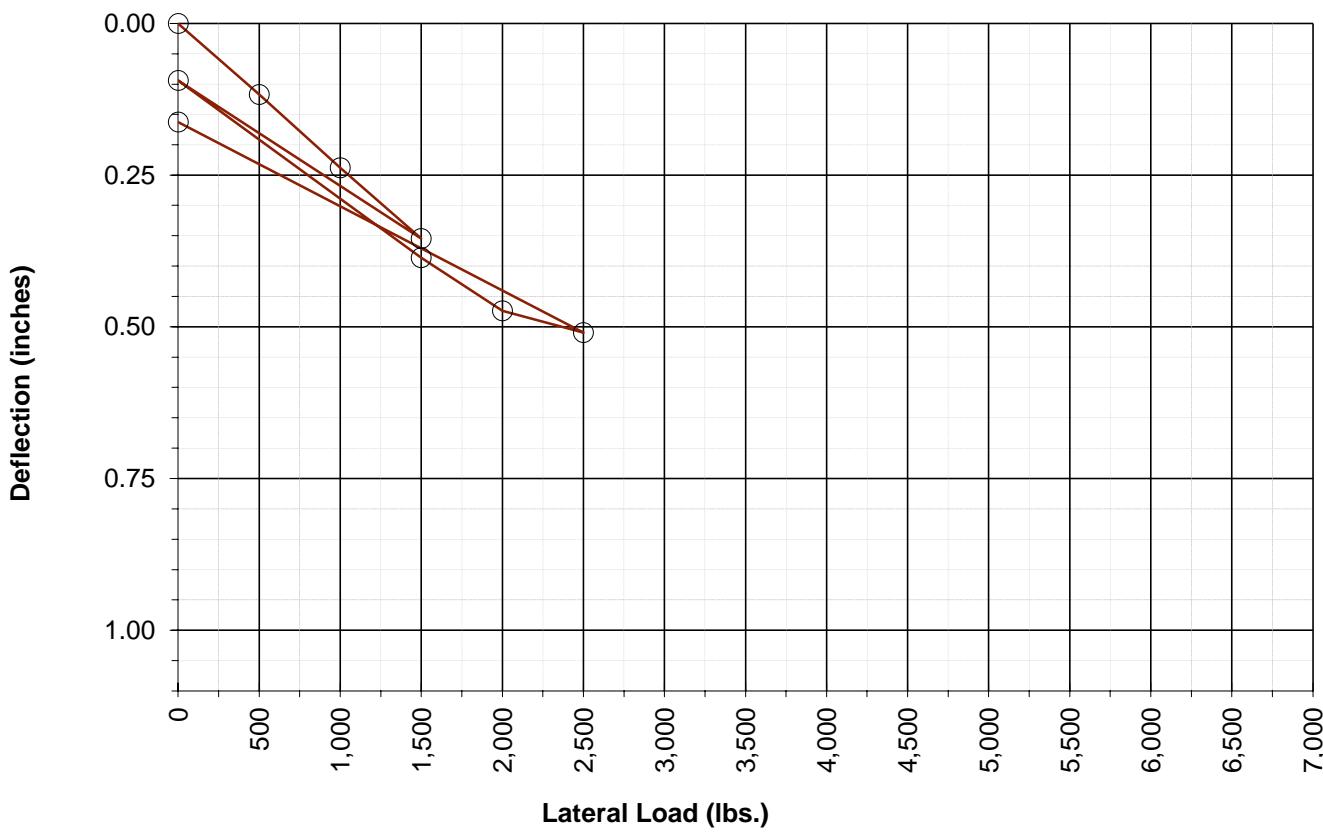
Test Date and Representative

Tested By Terracon Rep: JM/AA
 Date Tested: 5/19/2023

Pile Information

Pile ID: PLT-44A
 Group Latitude [deg.]: 36.4804
 Group Longitude [deg.]: -120.2398
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 72
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 23

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.118	
14%	1,000	0.238	
21%	1,500	0.355	
0%	0	0.094	
21%	1,500	0.386	
29%	2,000	0.474	
36%	2,500	0.510	
0%	0	0.163	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-44B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

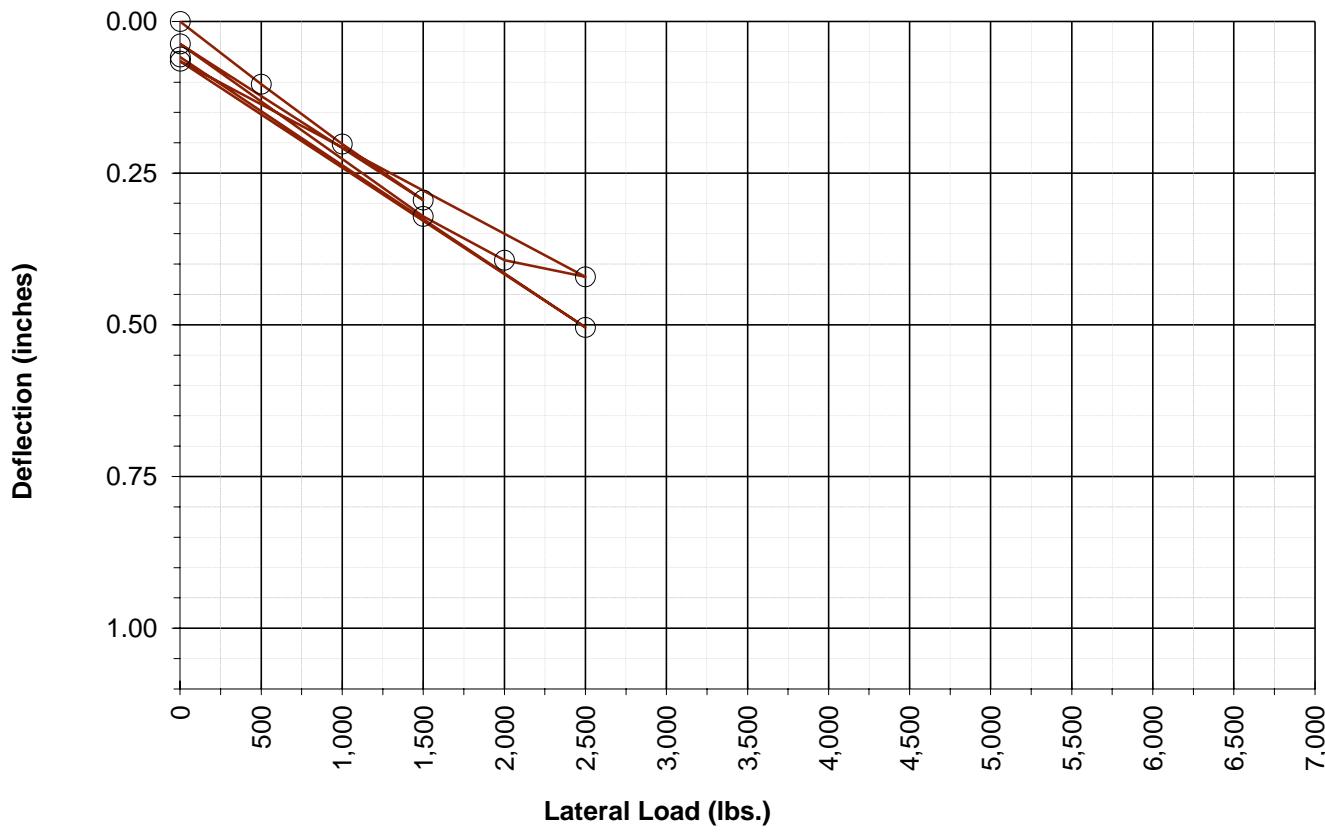
Test Date and Representative

Tested By Terracon Rep: JM/AA
 Date Tested: 5/19/2023

Pile Information

Pile ID: PLT-44B
 Group Latitude [deg.]: 36.4804
 Group Longitude [deg.]: -120.2398
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 108
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 34

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.103	
14%	1,000	0.202	
21%	1,500	0.295	
0%	0	0.037	
21%	1,500	0.322	
29%	2,000	0.394	
36%	2,500	0.421	
0%	0	0.066	
36%	2,500	0.505	
43%	3,000		
50%	3,500		
0%	0	0.059	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-45A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

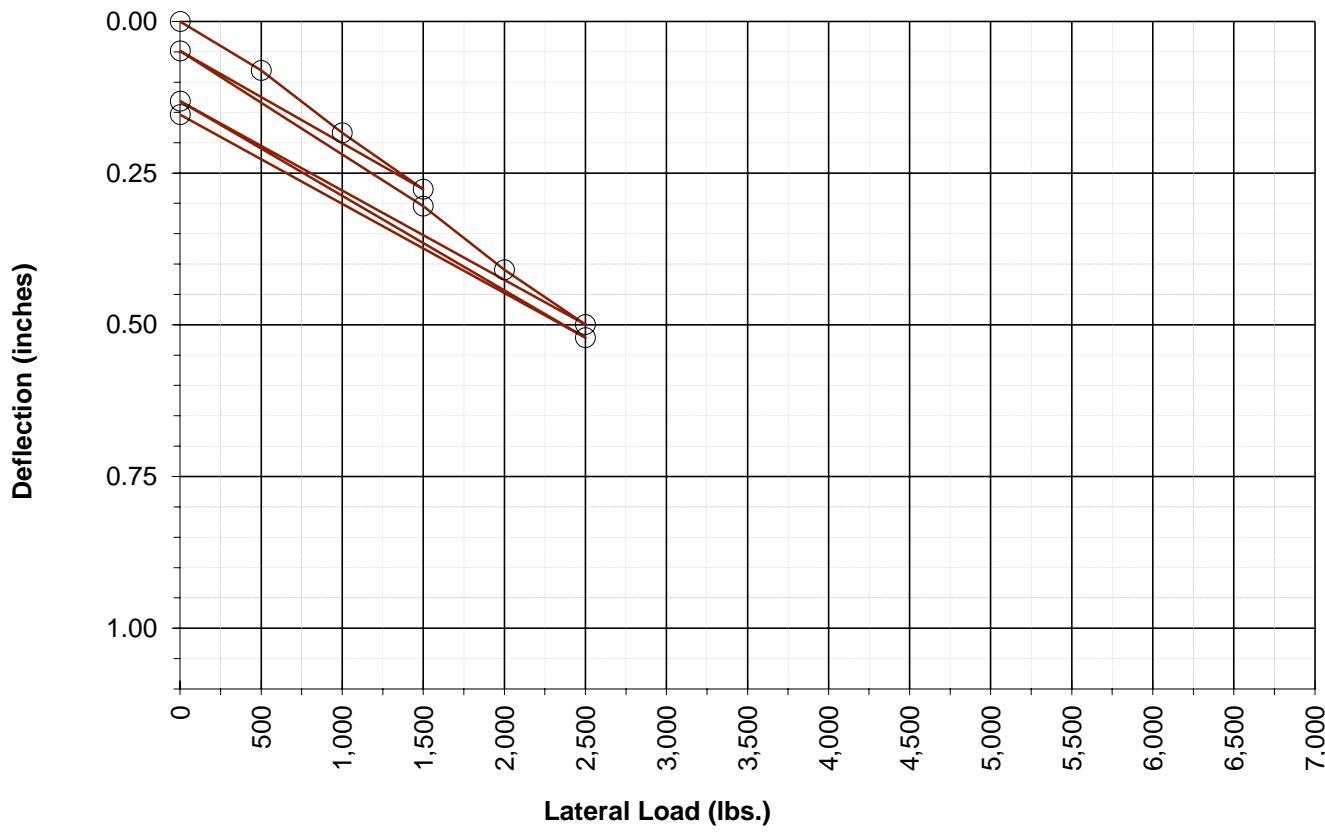
Test Date and Representative

Tested By Terracon Rep: JM/AA
 Date Tested: 5/18/2023

Pile Information

Pile ID: PLT-45A
 Group Latitude [deg.]: 36.4856
 Group Longitude [deg.]: -120.2393
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 84
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 23

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.081	
14%	1,000	0.184	
21%	1,500	0.277	
0%	0	0.049	
21%	1,500	0.305	
29%	2,000	0.409	
36%	2,500	0.500	
0%	0	0.132	
36%	2,500	0.521	
43%	3,000		
50%	3,500		
0%	0	0.154	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-45B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

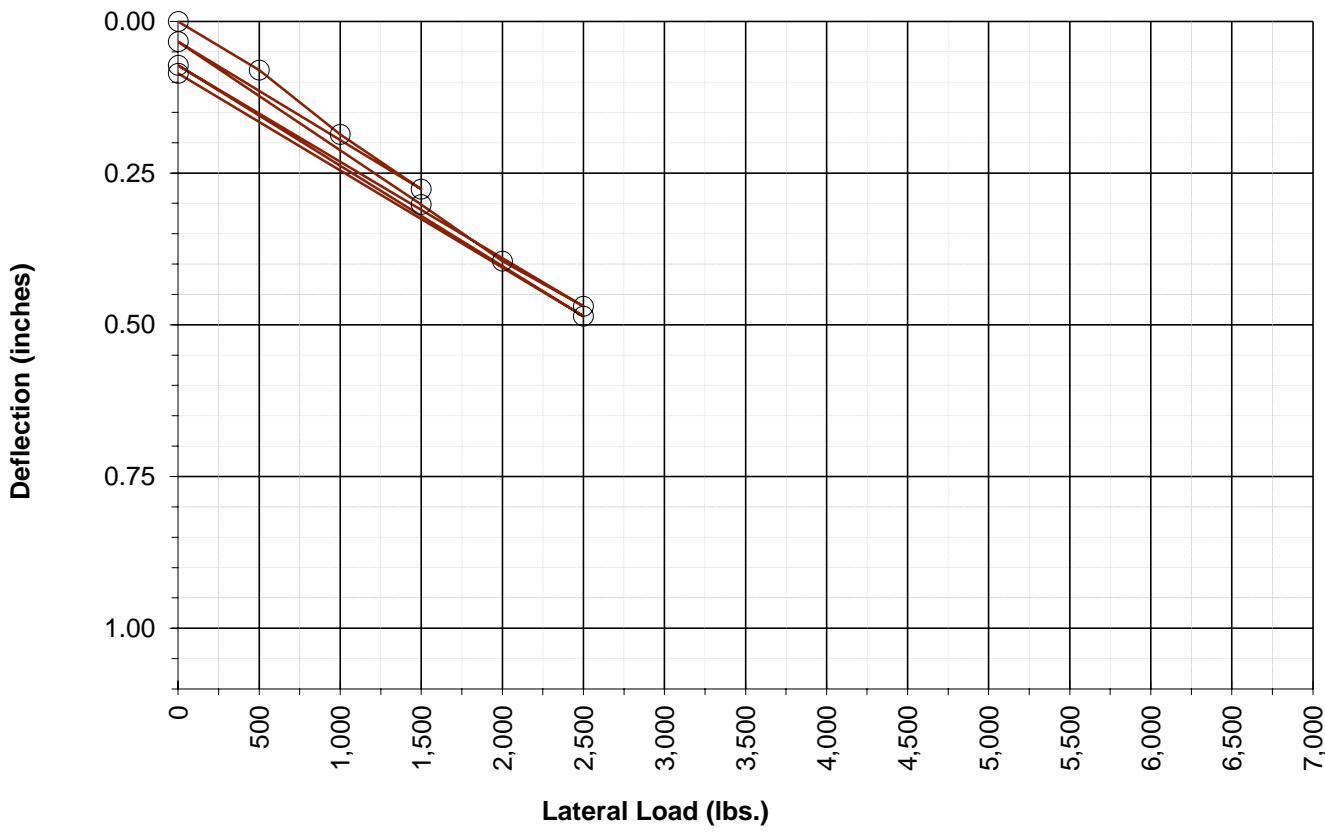
Test Date and Representative

Tested By Terracon Rep: JM/AA
 Date Tested: 5/18/2023

Pile Information

Pile ID: PLT-45B
 Group Latitude [deg.]: 36.4856
 Group Longitude [deg.]: -120.2393
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 120
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 32

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.081	
14%	1,000	0.187	
21%	1,500	0.276	
0%	0	0.033	
21%	1,500	0.302	
29%	2,000	0.395	
36%	2,500	0.470	
0%	0	0.073	
36%	2,500	0.486	
43%	3,000		
50%	3,500		
0%	0	0.086	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-46A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

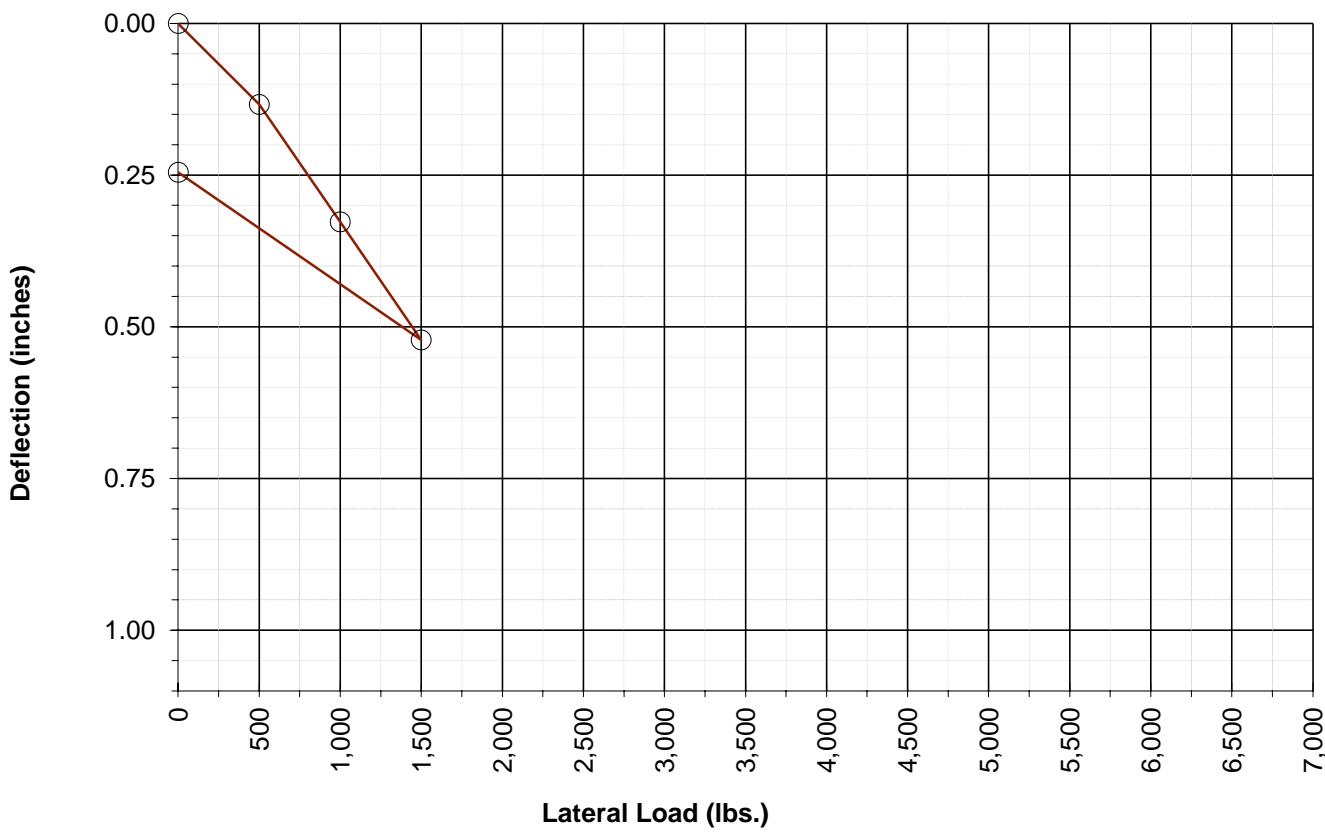
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/12/2023

Pile Information

Pile ID: PLT-46A
 Group Latitude [deg.]: 36.4848
 Group Longitude [deg.]: -120.2293
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 60
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 18

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.134	
14%	1,000	0.327	
21%	1,500	0.522	
0%	0	0.246	
21%	1,500		
29%	2,000		
36%	2,500		
0%	0		
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-46B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

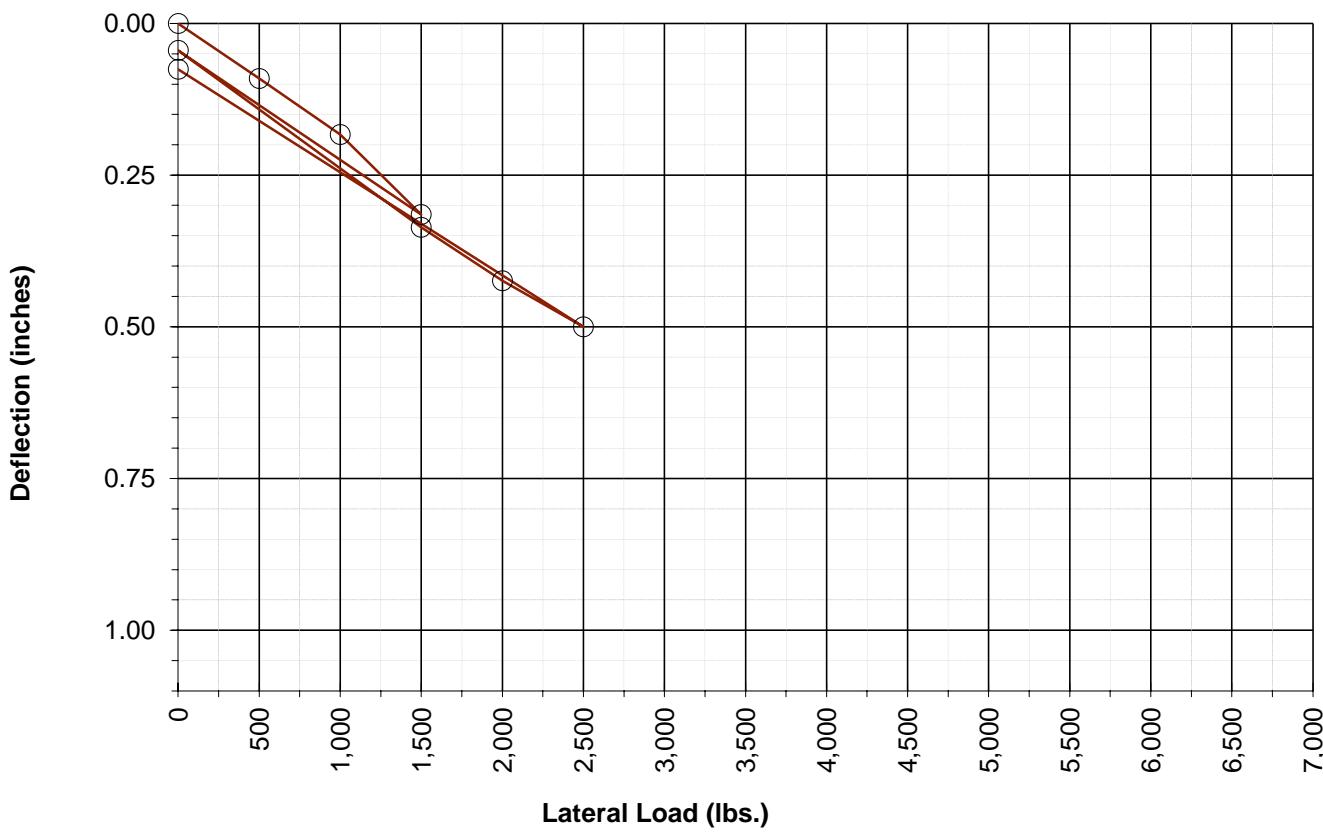
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/12/2023

Pile Information

Pile ID: PLT-46B
 Group Latitude [deg.]: 36.4848
 Group Longitude [deg.]: -120.2293
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 96
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 34

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.091	
14%	1,000	0.183	
21%	1,500	0.315	
0%	0	0.045	
21%	1,500	0.336	
29%	2,000	0.424	
36%	2,500	0.500	
0%	0	0.076	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-47A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

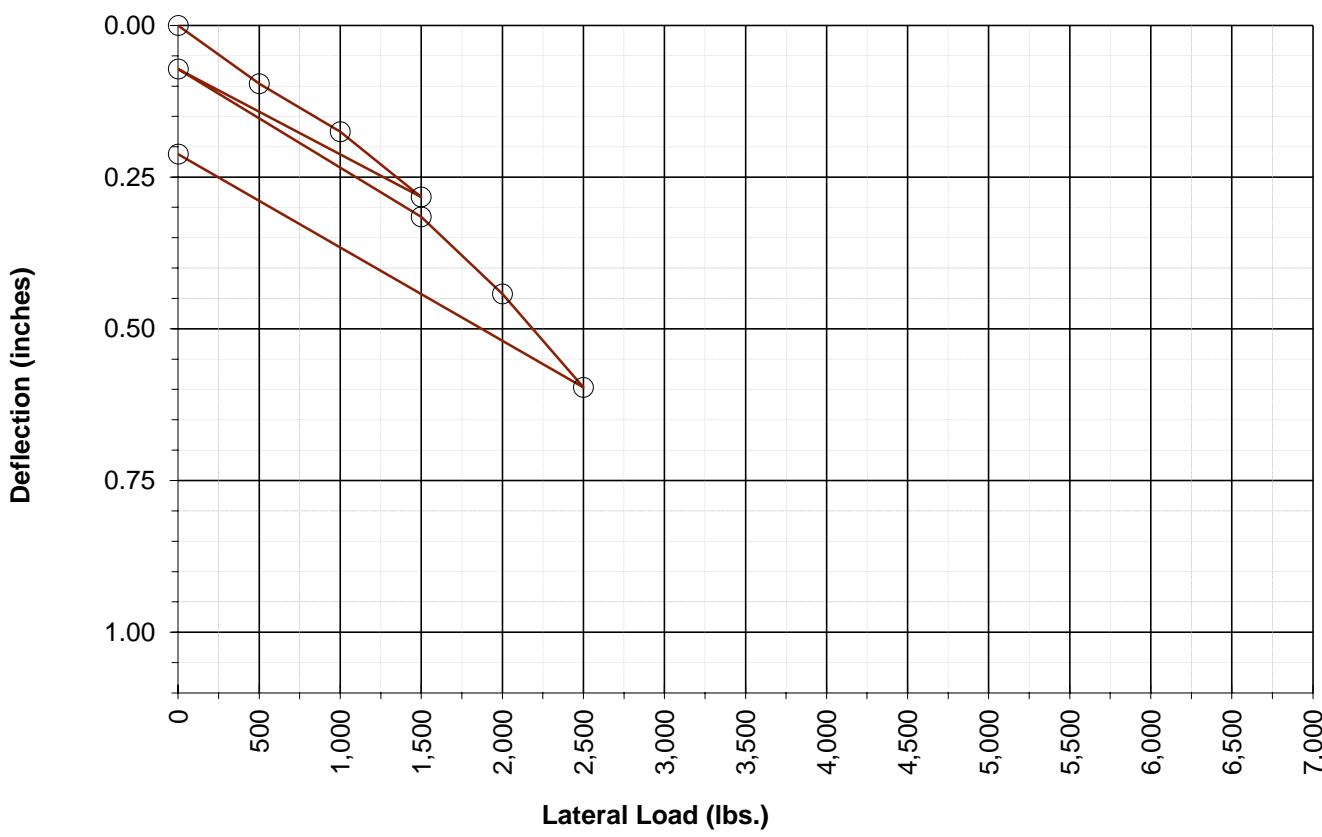
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 2/21/2023

Pile Information

Pile ID: PLT-47A
 Group Latitude [deg.]: 36.4830
 Group Longitude [deg.]: -120.2219
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 72
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 34

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.096	
14%	1,000	0.175	
21%	1,500	0.283	
0%	0	0.072	
21%	1,500	0.316	
29%	2,000	0.443	
36%	2,500	0.597	
0%	0	0.212	
36%	2,500		
43%	3,000		
50%	3,500		
0%	0		
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-47B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

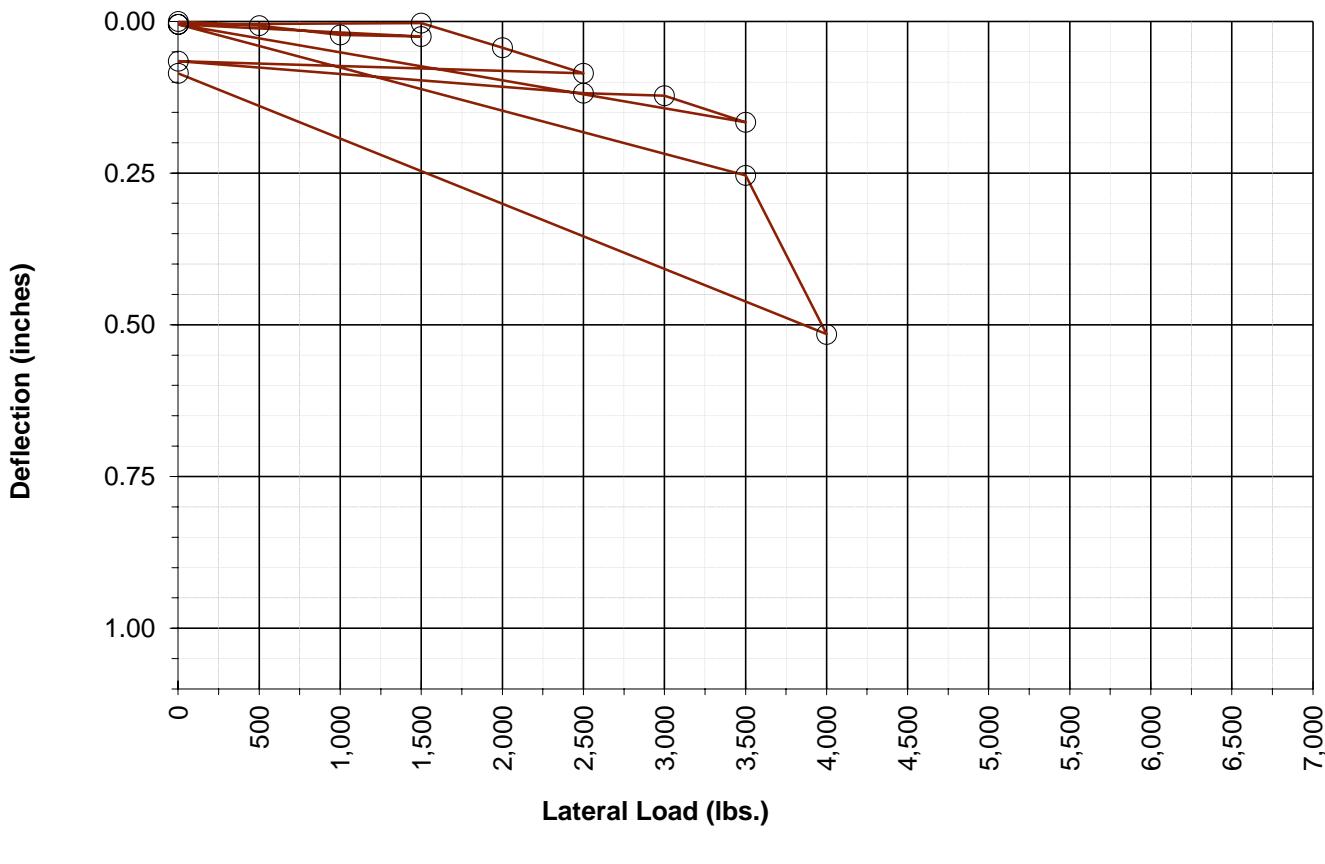
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 2/21/2023

Pile Information

Pile ID: PLT-47B
 Group Latitude [deg.]: 36.4830
 Group Longitude [deg.]: -120.2219
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 108
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 74

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.007	
14%	1,000	0.022	
21%	1,500	0.025	
0%	0	0.005	
21%	1,500	0.003	
29%	2,000	0.043	
36%	2,500	0.085	
0%	0	0.066	
36%	2,500	0.118	
43%	3,000	0.123	
50%	3,500	0.167	
0%	0	0.005	
50%	3,500	0.254	
57%	4,000	0.516	
64%	4,500		
0%	0	0.086	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-48A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

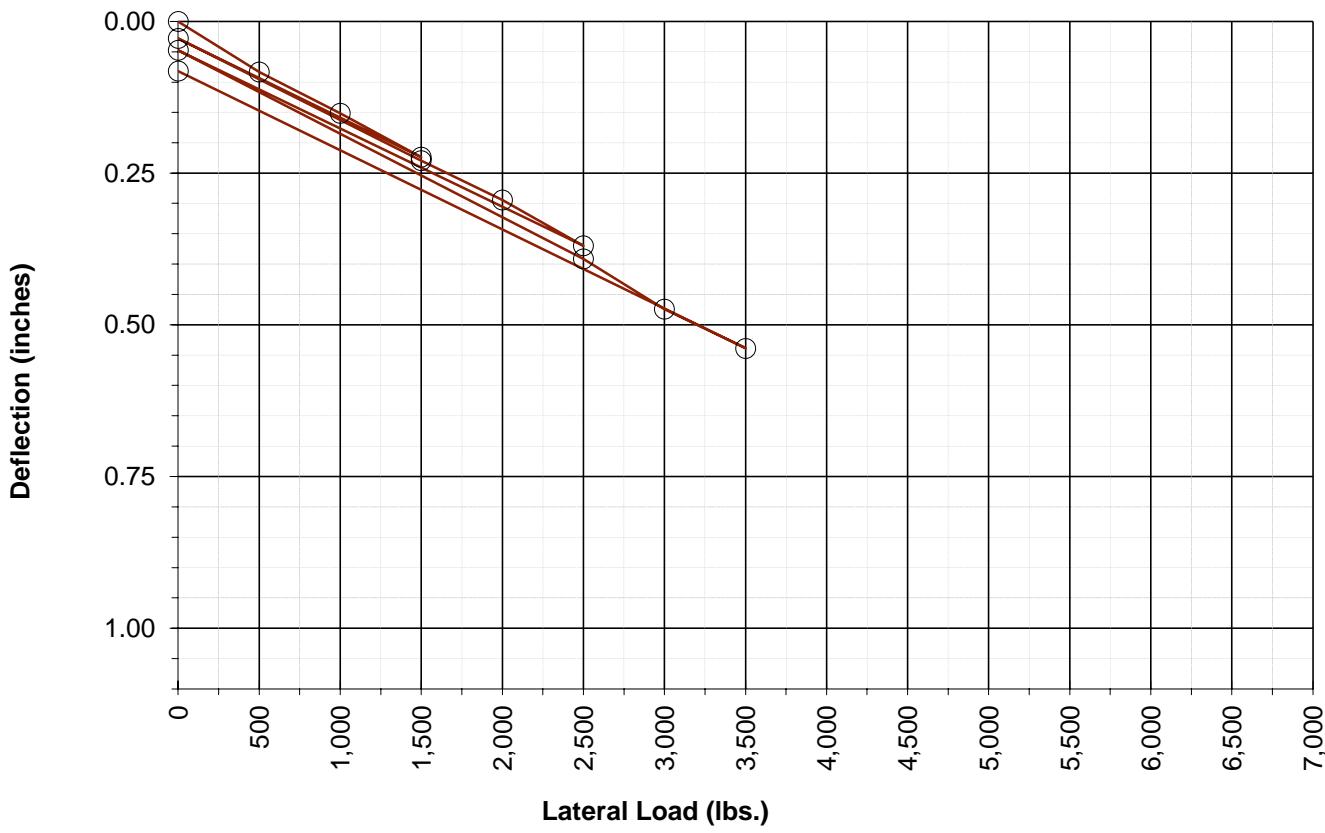
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/12/2023

Pile Information

Pile ID: PLT-48A
 Group Latitude [deg.]: 36.4771
 Group Longitude [deg.]: -120.2233
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 84
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 38

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.083	
14%	1,000	0.152	
21%	1,500	0.224	
0%	0	0.028	
21%	1,500	0.230	
29%	2,000	0.295	
36%	2,500	0.370	
0%	0	0.048	
36%	2,500	0.392	
43%	3,000	0.474	
50%	3,500	0.539	
0%	0	0.082	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-48B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

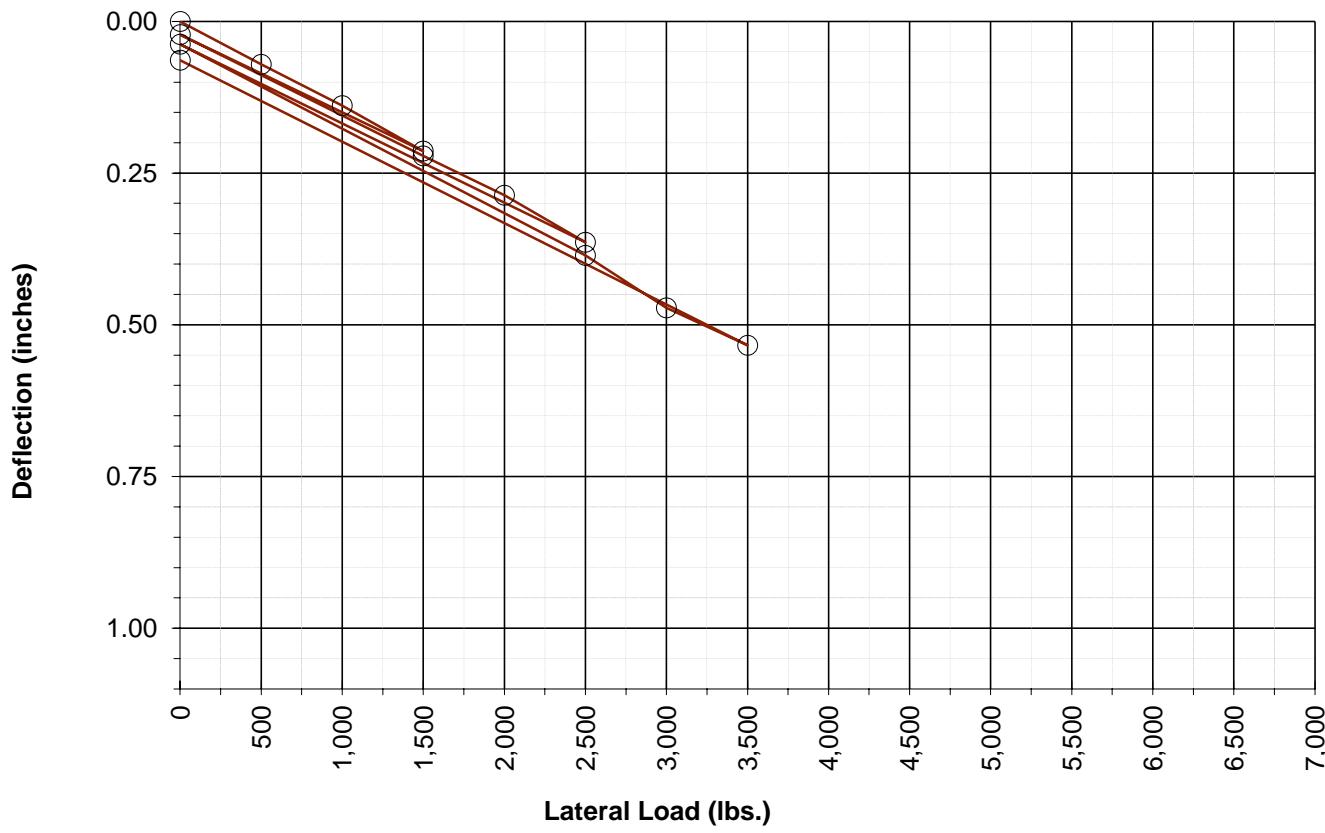
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/12/2023

Pile Information

Pile ID: PLT-48B
 Group Latitude [deg.]: 36.4771
 Group Longitude [deg.]: -120.2233
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 120
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 79

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.071	
14%	1,000	0.139	
21%	1,500	0.214	
0%	0	0.022	
21%	1,500	0.222	
29%	2,000	0.287	
36%	2,500	0.364	
0%	0	0.038	
36%	2,500	0.386	
43%	3,000	0.472	
50%	3,500	0.534	
0%	0	0.064	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-49A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

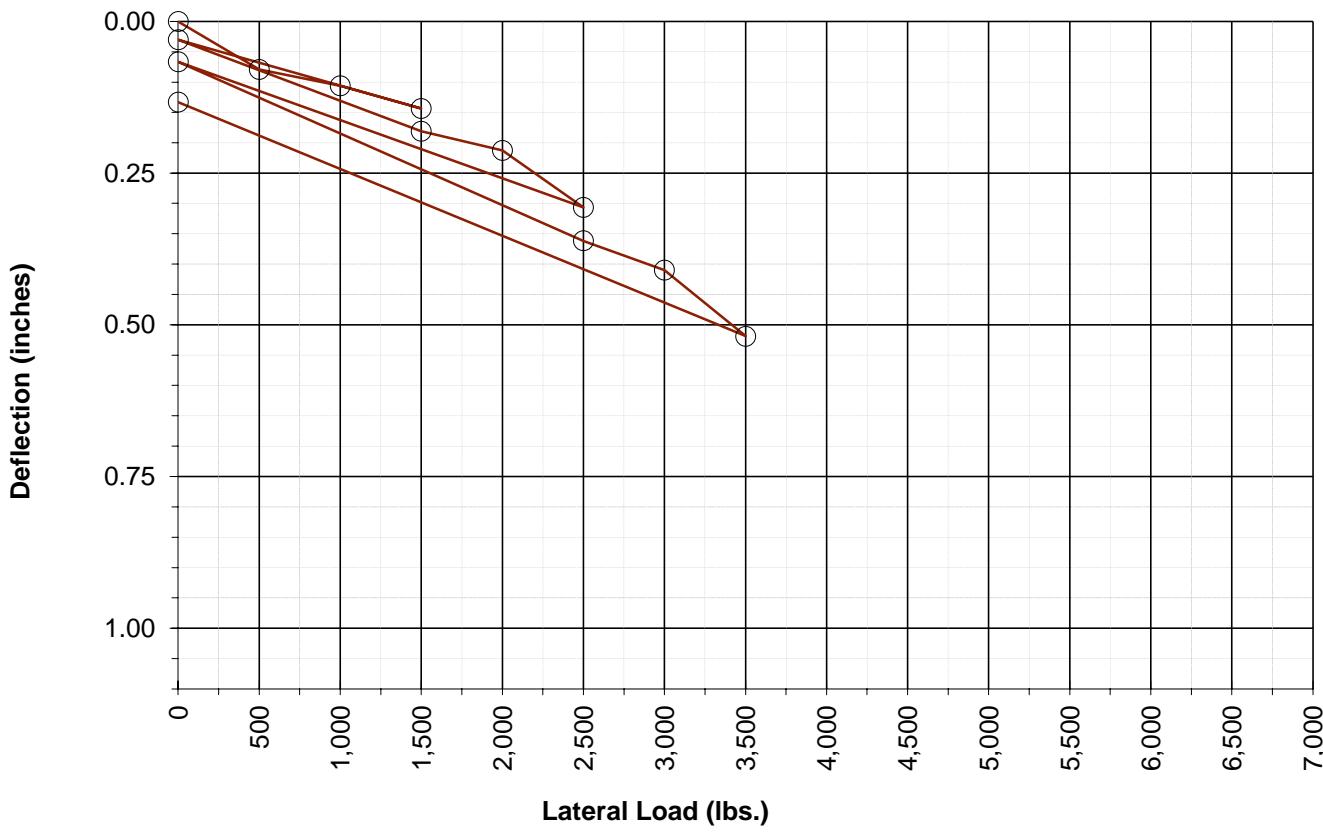
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 2/23/2023

Pile Information

Pile ID: PLT-49A
 Group Latitude [deg.]: 36.4734
 Group Longitude [deg.]: -120.2155
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 60
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 27

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.079	
14%	1,000	0.106	
21%	1,500	0.144	
0%	0	0.030	
21%	1,500	0.181	
29%	2,000	0.213	
36%	2,500	0.307	
0%	0	0.067	
36%	2,500	0.362	
43%	3,000	0.410	
50%	3,500	0.519	
0%	0	0.133	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-49B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

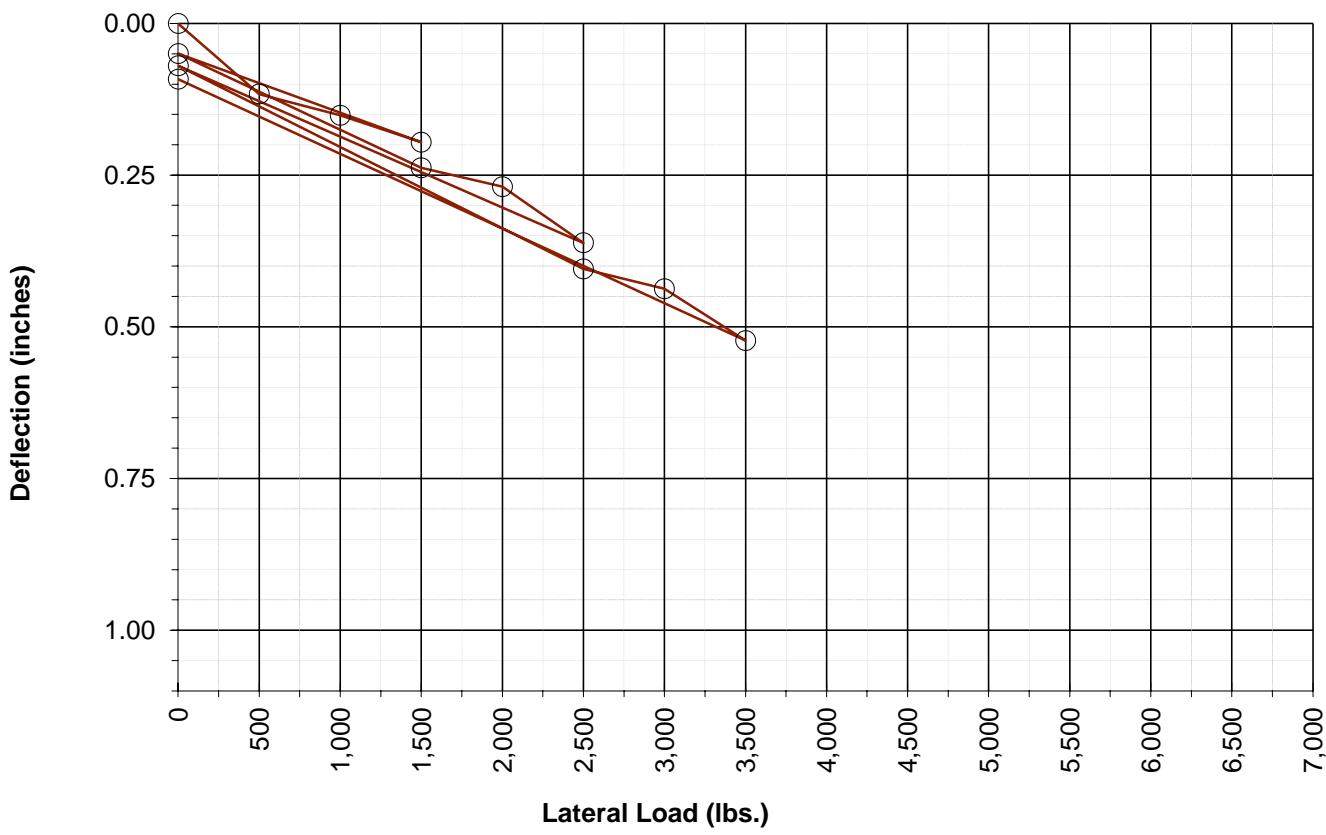
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 2/23/2023

Pile Information

Pile ID: PLT-49B
 Group Latitude [deg.]: 36.4734
 Group Longitude [deg.]: -120.2155
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 96
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 46

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.117	
14%	1,000	0.152	
21%	1,500	0.196	
0%	0	0.050	
21%	1,500	0.238	
29%	2,000	0.269	
36%	2,500	0.362	
0%	0	0.070	
36%	2,500	0.405	
43%	3,000	0.437	
50%	3,500	0.523	
0%	0	0.092	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-50A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

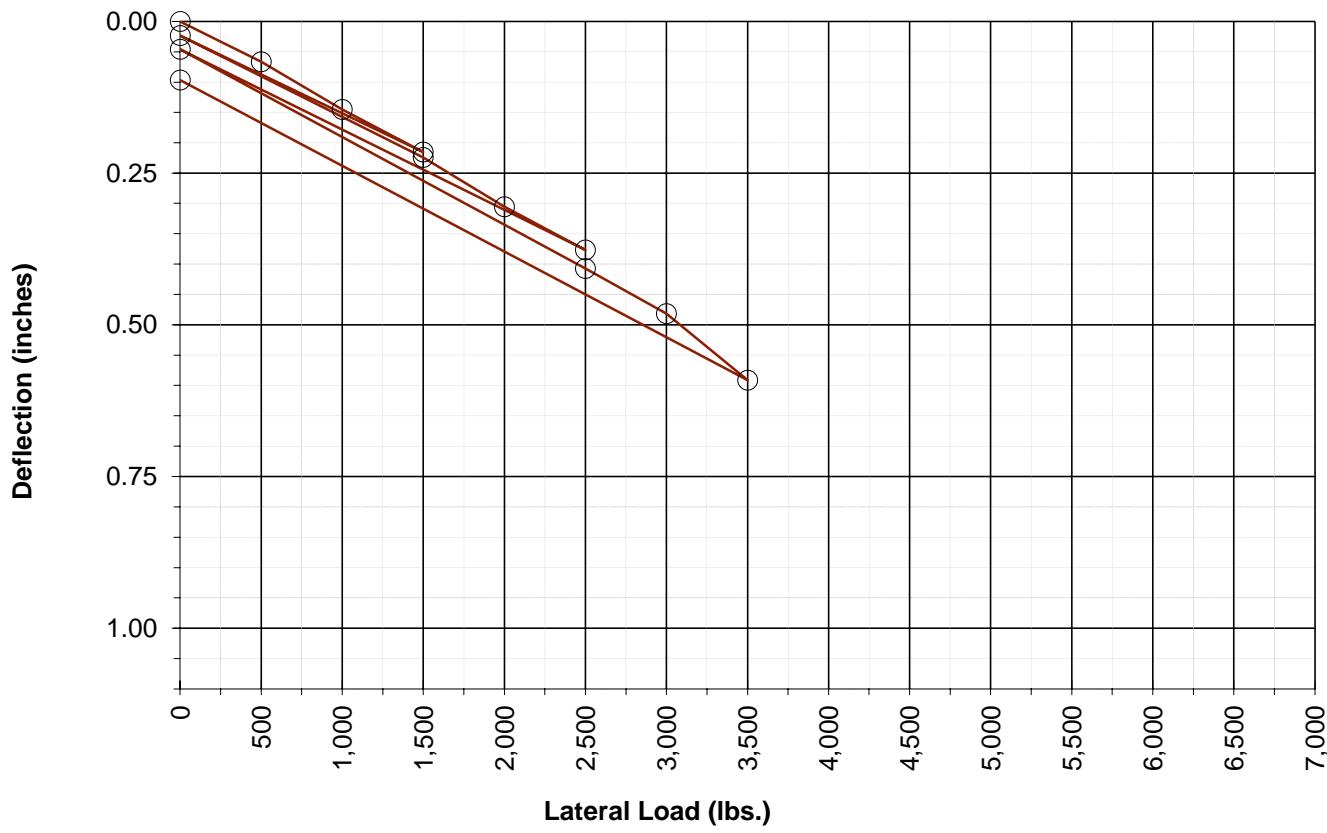
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/12/2023

Pile Information

Pile ID: PLT-50A
 Group Latitude [deg.]: 36.4851
 Group Longitude [deg.]: -120.2153
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 72
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 35

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.066	
14%	1,000	0.145	
21%	1,500	0.215	
0%	0	0.024	
21%	1,500	0.224	
29%	2,000	0.306	
36%	2,500	0.377	
0%	0	0.046	
36%	2,500	0.407	
43%	3,000	0.482	
50%	3,500	0.592	
0%	0	0.097	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-50B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

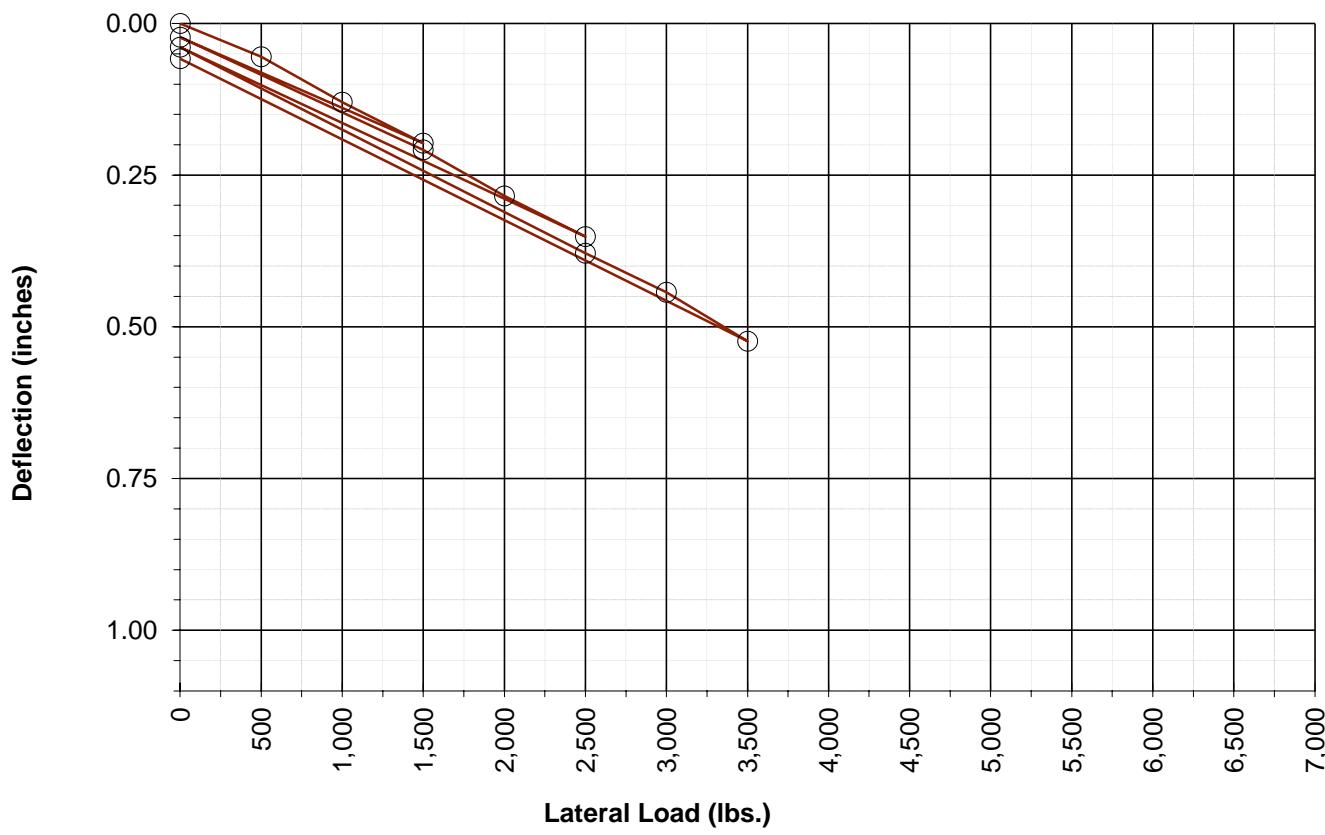
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 4/12/2023

Pile Information

Pile ID: PLT-50B
 Group Latitude [deg.]: 36.4851
 Group Longitude [deg.]: -120.2153
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 108
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 52

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.055	
14%	1,000	0.130	
21%	1,500	0.197	
0%	0	0.023	
21%	1,500	0.209	
29%	2,000	0.284	
36%	2,500	0.351	
0%	0	0.039	
36%	2,500	0.379	
43%	3,000	0.443	
50%	3,500	0.524	
0%	0	0.058	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-51A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

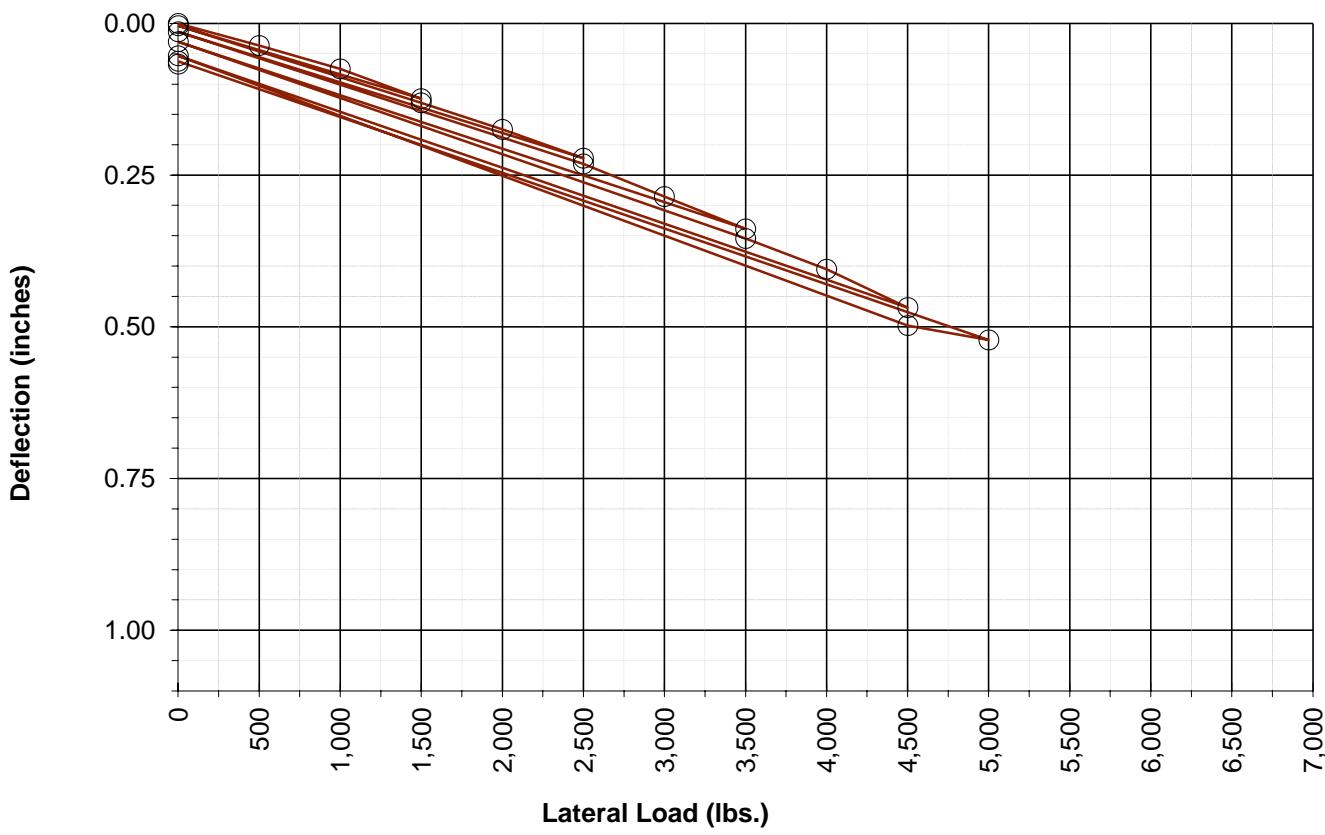
Test Date and Representative

Tested By Terracon Rep: JM/AA
 Date Tested: 5/17/2023

Pile Information

Pile ID: PLT-51A
 Group Latitude [deg.]: 36.4837
 Group Longitude [deg.]: -120.2071
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 84
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 44

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.036	
14%	1,000	0.075	
21%	1,500	0.124	
0%	0	0.004	
21%	1,500	0.131	
29%	2,000	0.175	
36%	2,500	0.223	
0%	0	0.014	
36%	2,500	0.232	
43%	3,000	0.286	
50%	3,500	0.339	
0%	0	0.030	
50%	3,500	0.355	
57%	4,000	0.405	
64%	4,500	0.468	
0%	0	0.054	
64%	4,500	0.498	
71%	5,000	0.522	
79%	5,500		
0%	0	0.062	
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0	0.067	



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-51B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

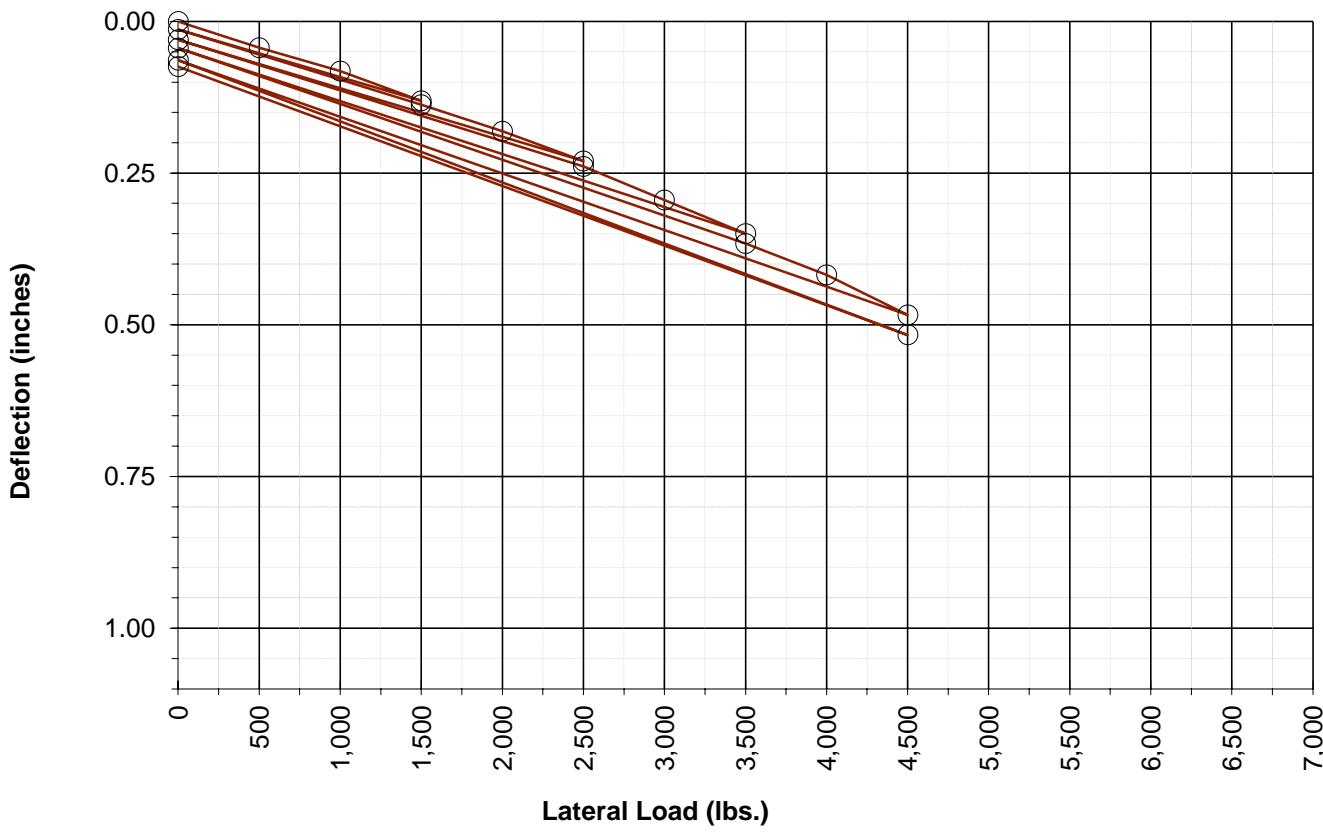
Test Date and Representative

Tested By Terracon Rep: JM/AA
 Date Tested: 5/17/2023

Pile Information

Pile ID: PLT-51B
 Group Latitude [deg.]: 36.4837
 Group Longitude [deg.]: -120.2071
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 120
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 86

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.044	
14%	1,000	0.082	
21%	1,500	0.131	
0%	0	0.013	
21%	1,500	0.138	
29%	2,000	0.181	
36%	2,500	0.230	
0%	0	0.031	
36%	2,500	0.239	
43%	3,000	0.294	
50%	3,500	0.350	
0%	0	0.044	
50%	3,500	0.366	
57%	4,000	0.418	
64%	4,500	0.484	
0%	0	0.064	
64%	4,500	0.517	
71%	5,000		
79%	5,500		
0%	0	0.074	
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-52A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

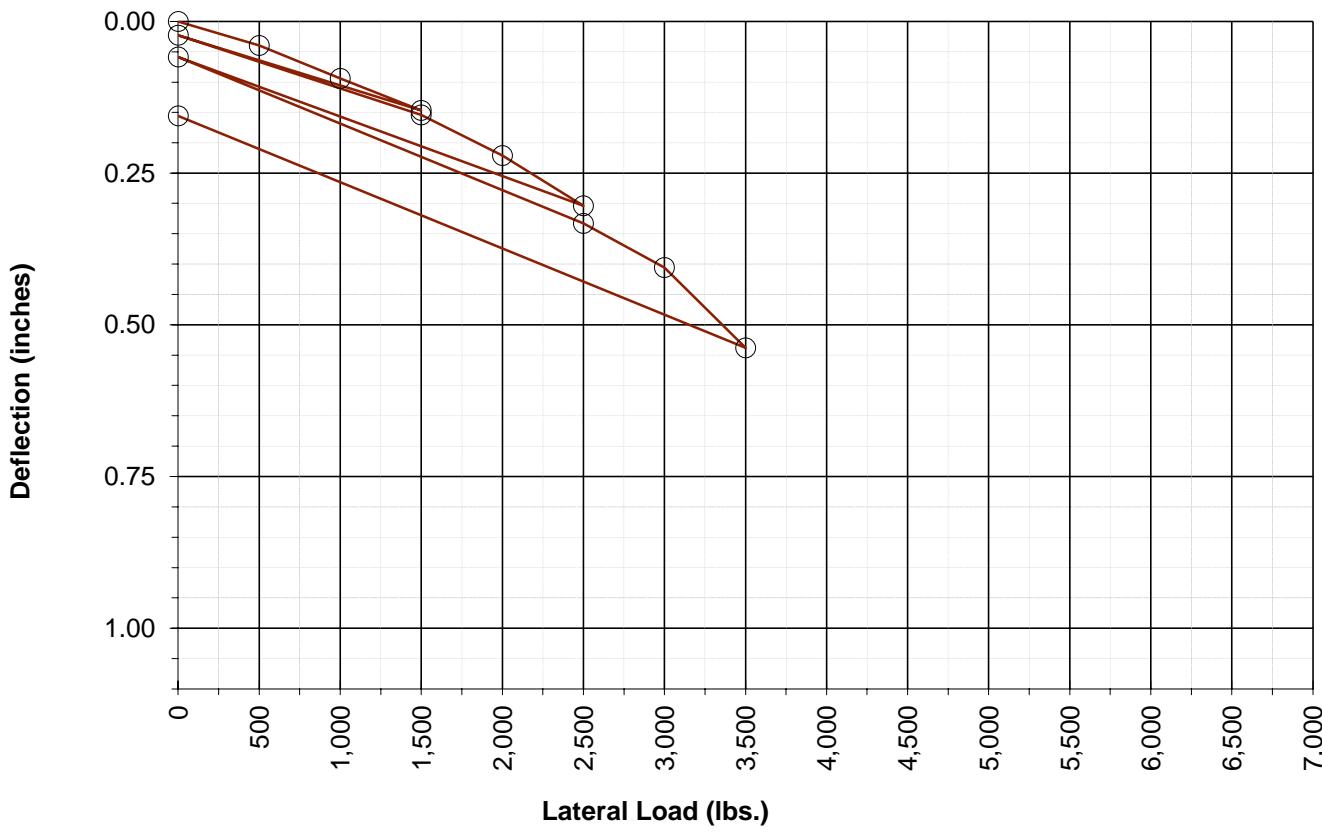
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 2/22/2023

Pile Information

Pile ID: PLT-52A
 Group Latitude [deg.]: 36.4747
 Group Longitude [deg.]: -120.2074
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 60
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 22

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.040	
14%	1,000	0.094	
21%	1,500	0.147	
0%	0	0.023	
21%	1,500	0.154	
29%	2,000	0.221	
36%	2,500	0.304	
0%	0	0.059	
36%	2,500	0.333	
43%	3,000	0.406	
50%	3,500	0.538	
0%	0	0.156	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-52B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

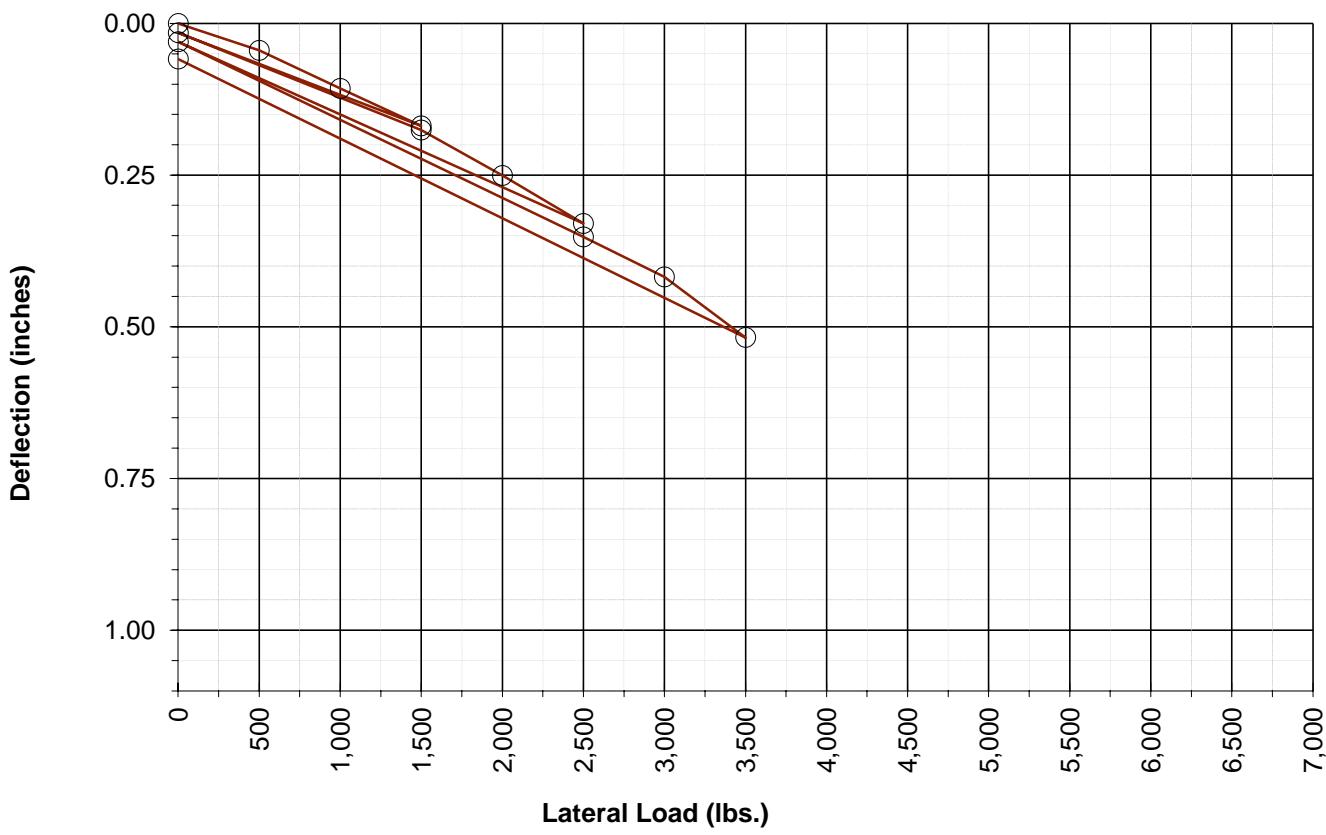
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 2/22/2023

Pile Information

Pile ID: PLT-52B
 Group Latitude [deg.]: 36.4747
 Group Longitude [deg.]: -120.2074
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 96
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 36

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.045	
14%	1,000	0.107	
21%	1,500	0.169	
0%	0	0.015	
21%	1,500	0.176	
29%	2,000	0.251	
36%	2,500	0.330	
0%	0	0.031	
36%	2,500	0.352	
43%	3,000	0.418	
50%	3,500	0.518	
0%	0	0.059	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-53A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

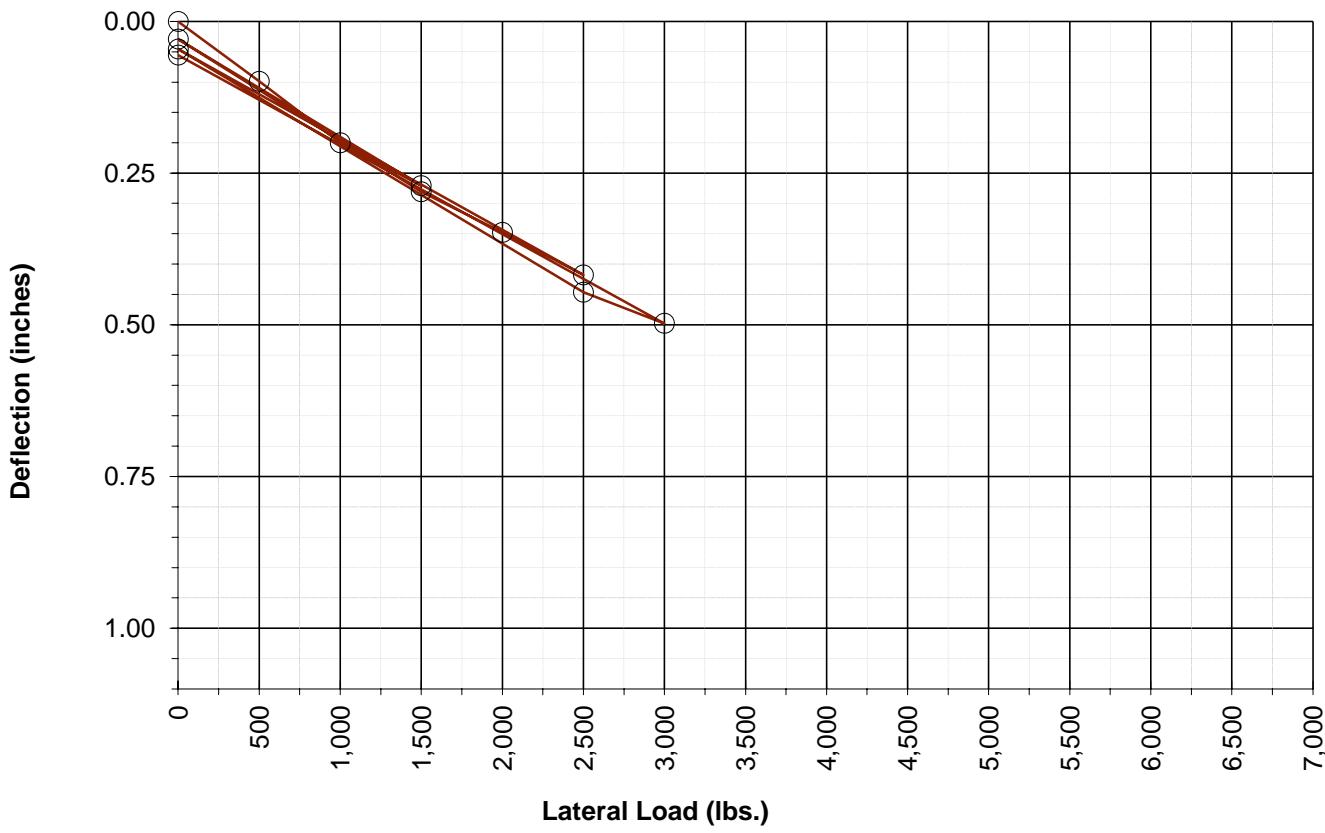
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/12/2023

Pile Information

Pile ID: PLT-53A
 Group Latitude [deg.]: 36.4796
 Group Longitude [deg.]: -120.2141
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 72
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 25

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.099	
14%	1,000	0.200	
21%	1,500	0.271	
0%	0	0.029	
21%	1,500	0.281	
29%	2,000	0.348	
36%	2,500	0.418	
0%	0	0.046	
36%	2,500	0.446	
43%	3,000	0.498	
50%	3,500		
0%	0	0.056	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-53B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

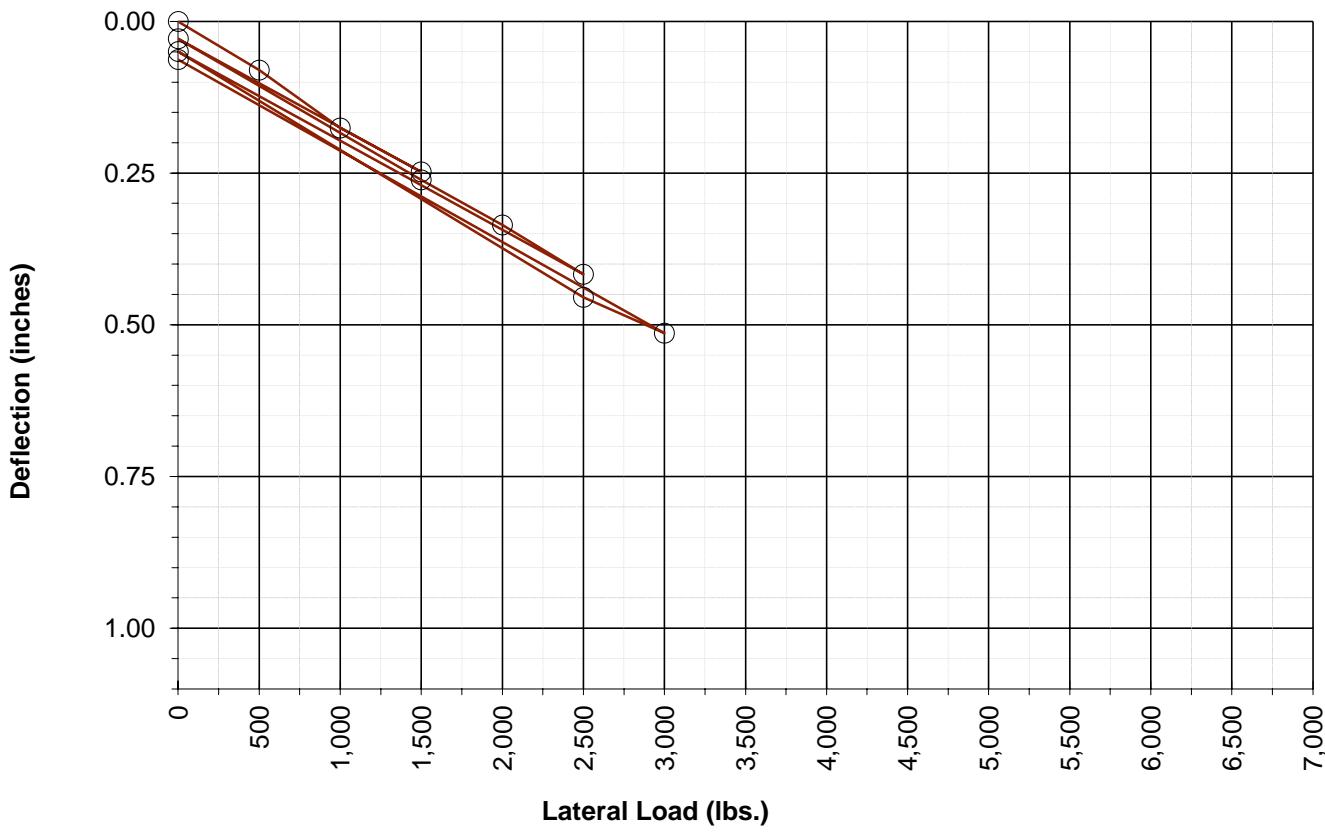
Test Date and Representative

Tested By Terracon Rep: AS
 Date Tested: 5/12/2023

Pile Information

Pile ID: PLT-53B
 Group Latitude [deg.]: 36.4796
 Group Longitude [deg.]: -120.2141
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 108
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 55

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.081	
14%	1,000	0.176	
21%	1,500	0.248	
0%	0	0.029	
21%	1,500	0.261	
29%	2,000	0.336	
36%	2,500	0.417	
0%	0	0.050	
36%	2,500	0.455	
43%	3,000	0.514	
50%	3,500		
0%	0	0.063	
50%	3,500		
57%	4,000		
64%	4,500		
0%	0		
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-54A

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

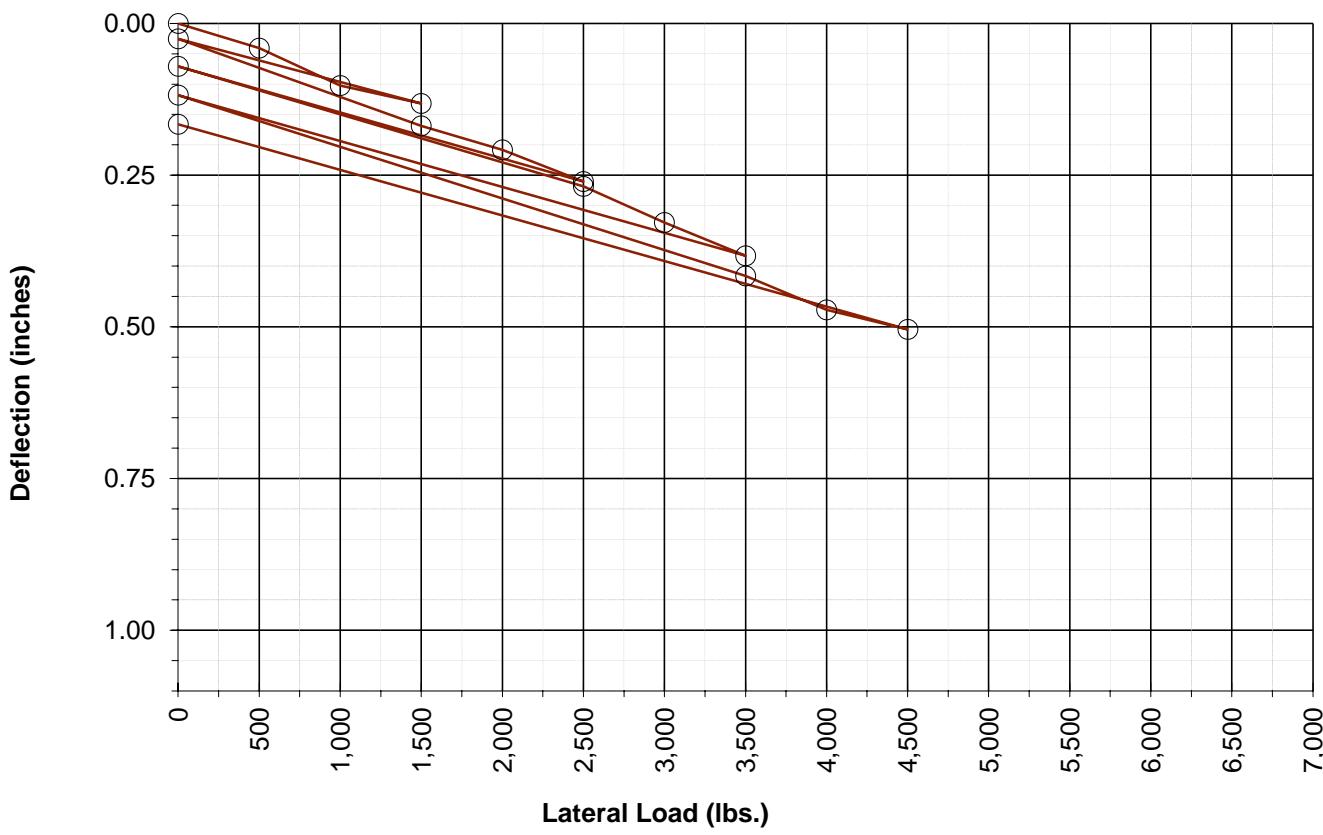
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 6/21/2023

Pile Information

Pile ID: PLT-54A
 Group Latitude [deg.]: 36.4738
 Group Longitude [deg.]: -120.1953
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 84
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 37

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.041	
14%	1,000	0.103	
21%	1,500	0.132	
0%	0	0.026	
21%	1,500	0.169	
29%	2,000	0.209	
36%	2,500	0.261	
0%	0	0.071	
36%	2,500	0.269	
43%	3,000	0.328	
50%	3,500	0.383	
0%	0	0.118	
50%	3,500	0.416	
57%	4,000	0.472	
64%	4,500	0.504	
0%	0	0.166	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface

Lateral Load Test Result for PLT-54B

Project Information

Project Name: Darden Solar
 Project Location: Cantua Creek, CA
 Project Number: 60225172

Lateral Load Test Set Up

Number of Top Gauges: 0
 Number of Bottom Gauges: 2
 Height of Top Gauges [in.]: 6
 Height of Bottom Gauges [in.]: 6
 Height of Applied Load [in.]: 24
 Load Cell: DILLON ED

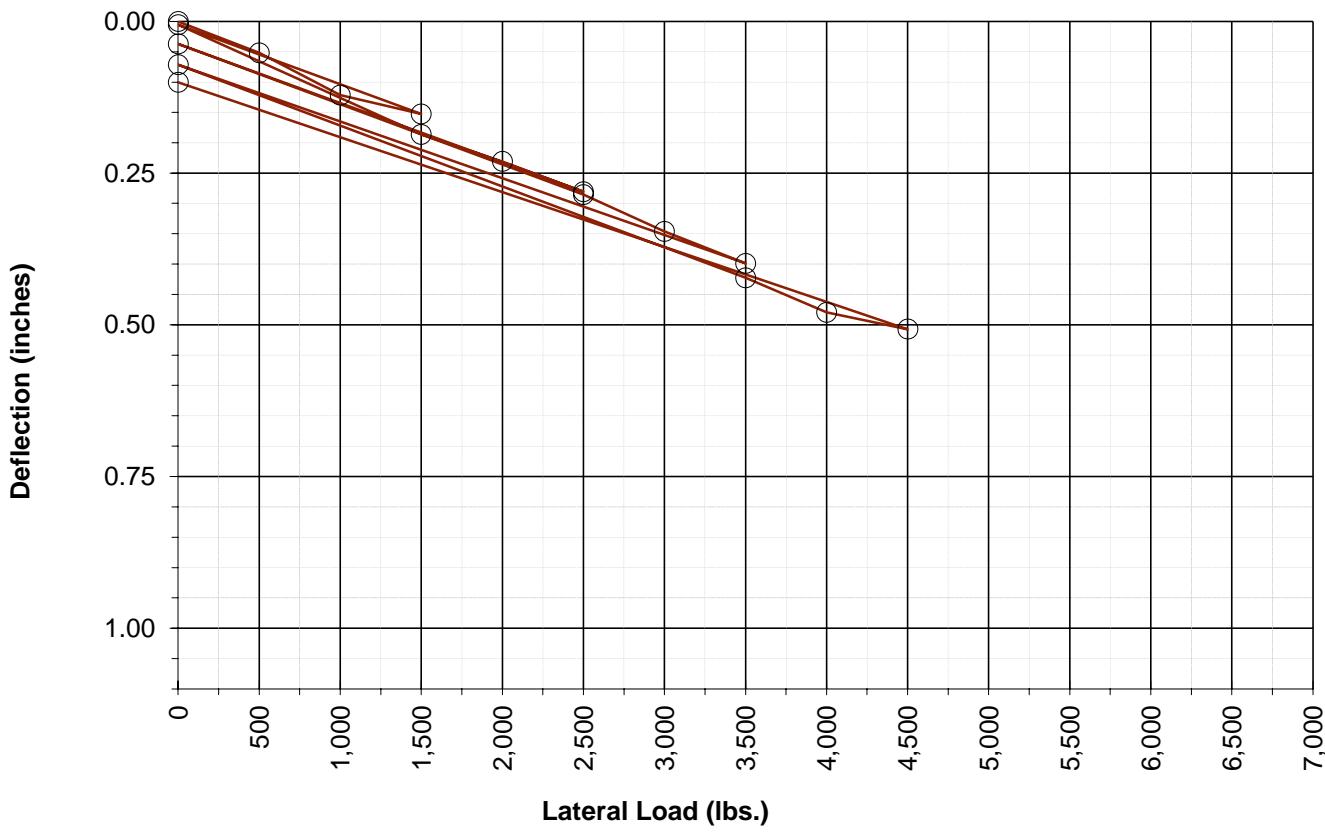
Test Date and Representative

Tested By Terracon Rep: AT
 Date Tested: 6/21/2023

Pile Information

Pile ID: PLT-54B
 Group Latitude [deg.]: 36.4738
 Group Longitude [deg.]: -120.1953
 Pile Type: W6x9
 Pile Embedment Depth [in.]: 120
 Pile Stick-Up [in.]: 24
 Lateral Target Load [lbs.]: 7,000
 Drive Time [sec.]: 70

% of Target Load	Lateral Load [lbs.]	Deflection Δ (in.) Gauges #1 & #2	Comments
0%	0	0.000	
7%	500	0.052	
14%	1,000	0.122	
21%	1,500	0.152	
0%	0	0.006	
21%	1,500	0.186	
29%	2,000	0.231	
36%	2,500	0.281	
0%	0	0.037	
36%	2,500	0.286	
43%	3,000	0.346	
50%	3,500	0.399	
0%	0	0.071	
50%	3,500	0.423	
57%	4,000	0.479	
64%	4,500	0.507	
0%	0	0.100	
64%	4,500		
71%	5,000		
79%	5,500		
0%	0		
79%	5,500		
86%	6,000		
93%	6,500		
100%	7,000		
0%	0		



—○— Lateral - Gauges at 6-inches above ground surface