



LAGUNA CANYON CHANNEL (IO2) SEGMENT 1 LEFTSIDE FACE OF WALL STATION OFFSET REPORT

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Job:
Job number: EF21286
Crew: Lofgreen and Party

Request number:
Date Rcvd:6/18/21
Completed:6/22/21

THIS IS A SURVEY OF THE EXISTING CONDITIONS OF THE LAGUNA CANYON BOX CHANNEL REGARDING THE HORIZONTAL POSITION OF THE INSIDE TOP OF WALL RELATIVE TO EXISTING GRADELINE. THE CENTERLINE ALIGNMENT STATIONS WERE REVISED FROM THE 2019 REPORT TO MATCH THE REVISED ALIGNMENT DATED: 12/5/20. SAID ALIGNMENT IS SHOWN ON THE TOPOGRAPHIC REVISION DATED: 1/20/21. THE BEGINING POINT 47000 IS EQUAL TO POINT 46034 OF THE 11/26/2019 REPORT. A POSITIVE VALUE INDICATES TOP OF WALL LEANING INWARD TOWARDS CL CHANNEL ALIGNMENT RELATIVE TO EXISTING GRADELINE. THE GREEN HIGHLIGHT INDICATES THE CROSSBEAM SUPPORT AREA. THE RED HIGHLIGHT IS EXISTING SHEET PILE WITH CROSSBEAMS SUPPORT AND NO WALL. THE OFFSET VARIANCE SHOULD TAKE IN ACCOUNT A TOLERANCE OF ± 0.03 FEET.

POINT	CL STATION (REVISED 2021 STATIONING)	2019 OFFSET TO INSIDE FACE TOP OF WALL FROM LEFTSIDE GRADELINE	2021 OFFSET TO INSIDE FACE TOP OF WALL FROM LEFTSIDE GRADELINE	OFFSET VARIANCE	DESCRIPTION
47000	12+48	0.14	0.15	0.01	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47001	12+86	-0.03	-0.01	0.02	INSIDE FACE TOP OF WALL AT NE OF BRIDGE
47003	13+06	0.32	0.28	-0.04	INSIDE FACE TOP OF WALL
47004	13+32	0.12	0.17	0.05	INSIDE FACE TOP OF WALL
47005	13+60	0.22	0.21	-0.01	INSIDE FACE TOP OF WALL
47006	13+83	0.23	0.15	-0.08	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47007	14+35	0.09	0.11	0.02	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47022	14+72	0.20	0.19	-0.01	INSIDE FACE TOP OF WALL
47023	14+88	0.36	0.37	0.01	INSIDE FACE TOP OF WALL
47024	15+23	0.13	0.13	0.00	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47025	15+43	0.20	0.12	-0.08	INSIDE FACE TOP OF WALL AT NE OF BRIDGE
47026	15+69	0.07	0.06	-0.01	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47027	15+86	0.10	0.09	-0.01	INSIDE FACE TOP OF WALL AT NE OF BRIDGE
47028	16+09	0.07	0.12	0.05	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47029	16+54	0.14	0.14	0.00	INSIDE FACE TOP OF WALL AT NE FACE OF BRIDGE
47030	16+74	0.20	0.22	0.02	INSIDE FACE TOP OF WALL
47031	17+01	0.28	0.24	-0.04	INSIDE FACE TOP OF WALL
47032	17+30	0.14	0.11	-0.03	INSIDE FACE TOP OF WALL
47033	17+33	0.12	0.09	-0.03	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47034	17+49	0.05	0.03	-0.02	INSIDE FACE TOP OF WALL AT NE FACE OF BRIDGE
47035	17+57	0.21	0.18	-0.03	INSIDE FACE TOP OF WALL
47036	17+84	0.32	0.30	-0.02	INSIDE FACE TOP OF WALL



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47037	18+10	0.33	0.32	-0.01	INSIDE FACE TOP OF WALL
47038	18+37	0.26	0.28	0.02	INSIDE FACE TOP OF WALL
47039	18+58	0.40	0.47	0.07	INSIDE FACE TOP OF WALL
47040	18+89	0.71	0.64	-0.07	INSIDE FACE TOP OF WALL
47041	19+15	0.55	0.55	0.00	INSIDE FACE TOP OF WALL
47042	19+40	0.55	0.55	0.00	INSIDE FACE TOP OF WALL
47043	19+73	0.11	0.08	-0.03	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47099	19+89	0.01	0.01	0.00	INSIDE FACE TOP OF WALL AT NE FACE OF BRIDGE
47100	20+18	0.37	0.37	0.00	INSIDE FACE TOP OF WALL
47101	20+42	0.22	0.33	0.11	INSIDE FACE TOP OF WALL
47102	20+71	0.93	0.99	0.06	INSIDE FACE TOP OF WALL
47103	20+97	1.12	1.16	0.04	INSIDE FACE TOP OF WALL
47104	21+23	1.19	1.15	-0.04	INSIDE FACE TOP OF WALL
47105	21+50	1.09	1.14	0.05	INSIDE FACE TOP OF WALL
47106	21+77	0.99	0.98	-0.01	INSIDE FACE TOP OF WALL
47107	22+02	0.94	0.99	0.05	INSIDE FACE TOP OF WALL
47108	22+28	0.98	1.04	0.06	INSIDE FACE TOP OF WALL
47109	22+52	0.83	0.84	0.01	INSIDE FACE TOP OF WALL
47110	22+79	0.37	0.37	0.00	INSIDE FACE TOP OF WALL
47111	23+04	0.06	0.27	0.21	INSIDE FACE TOP OF WALL
47112	23+04	-0.53	-0.46	0.07	INSIDE FACE TOP OF SHEET PILE
47113	23+28	0.10	0.15	0.05	INSIDE FACE TOP OF SHEET PILE
47114	23+50	0.03	0.09	0.06	INSIDE FACE TOP OF SHEET PILE
47115	23+78	0.09	0.10	0.01	INSIDE FACE TOP OF SHEET PILE
47116	24+05	0.01	0.01	0.00	INSIDE FACE TOP OF SHEET PILE
47117	24+32	-0.02	0.01	0.03	INSIDE FACE TOP OF SHEET PILE
47118	24+59	-0.06	-0.02	0.04	INSIDE FACE TOP OF SHEET PILE
47119	24+85	0.10	0.12	0.02	INSIDE FACE TOP OF SHEET PILE
47120	25+12	0.06	0.05	-0.01	INSIDE FACE TOP OF SHEET PILE
47121	25+40	0.01	-0.03	-0.04	INSIDE FACE TOP OF SHEET PILE
47122	25+63	-0.28	-0.26	0.02	INSIDE FACE TOP OF SHEET PILE



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47123	25+67	-0.08	-0.09	-0.01	INSIDE FACE TOP OF SHEET PILE
47125	25+96	0.34	0.37	0.03	INSIDE FACE TOP OF WALL
47126	26+16	0.07	0.09	0.02	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47127	26+32	0.08	0.07	-0.01	INSIDE FACE TOP OF WALL AT NE FACE OF BRIDGE
47128	26+47	0.21	0.22	0.01	INSIDE FACE TOP OF WALL
47129	26+72	0.28	0.27	-0.01	INSIDE FACE TOP OF WALL
47130	26+97	0.25	0.26	0.01	INSIDE FACE TOP OF WALL
47131	27+23	0.26	0.27	0.01	INSIDE FACE TOP OF WALL
47132	27+46	0.21	0.21	0.00	INSIDE FACE TOP OF WALL
47133	27+68	0.29	0.30	0.01	INSIDE FACE TOP OF WALL
47134	27+94	0.19	0.21	0.02	INSIDE FACE TOP OF WALL
47135	28+13	0.05	0.04	-0.01	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47147	28+54	0.06	0.10	0.04	INSIDE FACE TOP OF WALL AT NE FACE OF BRIDGE
47148	28+64	0.22	0.18	-0.04	INSIDE FACE TOP OF WALL
47149	28+78	0.19	0.21	0.02	INSIDE FACE TOP OF WALL
47150	29+05	0.14	0.17	0.03	INSIDE FACE TOP OF WALL
47151	29+29	0.12	0.08	-0.04	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47152	29+53	-0.04	0.03	0.07	INSIDE FACE TOP OF WALL AT NE FACE OF BRIDGE
47153	29+69	0.05	0.03	-0.02	INSIDE FACE TOP OF WALL
47154	29+74	0.16	0.14	-0.02	INSIDE FACE TOP OF WALL
47155	29+96	0.16	0.18	0.02	INSIDE FACE TOP OF WALL
47156	30+12	0.15	0.15	0.00	INSIDE FACE TOP OF WALL
47157	30+34	0.19	0.20	0.01	INSIDE FACE TOP OF WALL
47158	30+56	0.18	0.20	0.02	INSIDE FACE TOP OF WALL
47159	30+77	0.12	0.15	0.03	INSIDE FACE TOP OF WALL
47160	31+01	0.08	0.11	0.03	INSIDE FACE TOP OF WALL
47161	31+24	0.08	0.10	0.02	INSIDE FACE TOP OF WALL
47163	31+50	0.16	0.17	0.01	INSIDE FACE TOP OF WALL
47164	31+66	0.20	0.20	0.00	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47165	31+86	0.14	0.12	-0.02	INSIDE FACE TOP OF WALL AT NE FACE OF BRIDGE
47166	32+15	0.19	0.16	-0.03	INSIDE FACE TOP OF WALL
47167	32+37	0.20	0.19	-0.01	INSIDE FACE TOP OF WALL



LAGUNA CANYON CHANNEL (IO2) SEGMENT 1 RIGHTSIDE FACE OF WALL STATION OFFSET REPORT

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THIS IS A SURVEY OF THE EXISTING CONDITIONS OF THE LAGUNA CANYON BOX CHANNEL REGARDING THE HORIZONTAL POSITION OF THE INSIDE TOP OF WALL RELATIVE TO EXISTING GRADELINE. THE CENTERLINE ALIGNMENT STATIONS WERE REVISED FROM THE 2019 REPORT TO MATCH THE REVISED ALIGNMENT DATED: 12/5/20. SAID ALIGNMENT IS SHOWN ON THE TOPOGRAPHIC REVISION DATED: 1/20/21. THE BEGINNING POINT 47000 IS EQUAL TO POINT 46034 OF THE 11/26/2019 REPORT. A NEGATIVE VALUE INDICATES TOP OF WALL LEANING INWARD TOWARDS CL CHANNEL ALIGNMENT RELATIVE TO EXISTING GRADELINE. THE GREEN HIGHLIGHT INDICATES THE CROSSBEAM SUPPORT AREA. THE OFFSET VARIANCE SHOULD TAKE IN ACCOUNT A TOLERANCE OF ± 0.03 FEET.

POINT	CL STATION (REVISED 2021 STATIONING)	2019 OFFSET TO INSIDE FACE TOP OF WALL FROM RIGHTSIDE GRADELINE	2021 OFFSET TO INSIDE FACE TOP OF WALL FROM RIGHTSIDE GRADELINE	OFFSET VARIANCE	DESCRIPTION
47011	12+86	-0.10	-0.08	0.02	INSIDE FACE TOP OF WALL AT NE FACE OF BRIDGE
47010	13+04	-0.20	-0.05	0.15	INSIDE FACE TOP OF WALL
47009	13+32	-0.33	-0.22	0.11	INSIDE FACE TOP OF WALL
47008	13+59	-0.13	-0.15	-0.02	INSIDE FACE TOP OF WALL
47012	13+83	-0.17	-0.25	-0.08	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47013	14+66	-0.04	-0.14	-0.10	INSIDE FACE TOP OF WALL AT NE FACE OF BRIDGE
47014	14+90	-0.13	-0.19	-0.06	INSIDE FACE TOP OF WALL
47015	15+16	-0.08	-0.07	0.01	INSIDE FACE TOP OF WALL
47016	15+23	-0.02	-0.04	-0.02	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47017	15+53	-0.12	-0.13	-0.01	INSIDE FACE TOP OF WALL
47018	15+69	0.04	0.02	-0.02	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47019	15+86	-0.01	-0.09	-0.08	INSIDE FACE TOP OF WALL AT NE FACE OF BRIDGE
47020	16+09	-0.23	-0.20	0.03	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47045	16+55	-0.07	-0.13	-0.06	INSIDE FACE TOP OF WALL AT NE FACE OF BRIDGE
47046	16+74	-0.22	-0.20	0.02	INSIDE FACE TOP OF WALL
47047	17+01	-0.10	-0.11	-0.01	INSIDE FACE TOP OF WALL
47048	17+29	0.01	-0.02	-0.03	INSIDE FACE TOP OF WALL
47049	17+33	0.04	0.00	-0.04	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47050	17+49	-0.03	-0.07	-0.04	INSIDE FACE TOP OF WALL AT NE FACE OF BRIDGE
47051	17+57	-0.10	-0.14	-0.04	INSIDE FACE TOP OF WALL
47052	17+85	-0.13	-0.20	-0.07	INSIDE FACE TOP OF WALL
47053	18+11	-0.27	-0.33	-0.06	INSIDE FACE TOP OF WALL
47054	18+37	-0.14	-0.22	-0.08	INSIDE FACE TOP OF WALL



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47055	18+63	-0.15	-0.27	-0.12	INSIDE FACE TOP OF WALL
47056	18+89	-0.17	-0.21	-0.04	INSIDE FACE TOP OF WALL
47057	19+16	-0.19	-0.25	-0.06	INSIDE FACE TOP OF WALL
47058	19+41	-0.17	-0.24	-0.07	INSIDE FACE TOP OF WALL
47059	19+67	-0.05	-0.09	-0.04	INSIDE FACE TOP OF WALL
47060	19+73	-0.01	-0.05	-0.04	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47068	19+89	-0.05	-0.01	0.04	INSIDE FACE TOP OF WALL AT NE FACE OF BRIDGE
47069	20+18	-0.12	-0.14	-0.02	INSIDE FACE TOP OF WALL
47070	20+44	-0.20	-0.17	0.03	INSIDE FACE TOP OF WALL
47071	20+71	-0.21	-0.19	0.02	INSIDE FACE TOP OF WALL
47072	20+97	-0.33	-0.30	0.03	INSIDE FACE TOP OF WALL
47074	21+22	-0.20	-0.18	0.02	INSIDE FACE TOP OF WALL
47075	21+50	-0.21	-0.16	0.05	INSIDE FACE TOP OF WALL
47076	21+76	-0.22	-0.19	0.03	INSIDE FACE TOP OF WALL
47077	22+02	-0.21	-0.17	0.04	INSIDE FACE TOP OF WALL
47078	22+52	-0.16	-0.12	0.04	INSIDE FACE TOP OF WALL
47079	22+79	-0.12	-0.10	0.02	INSIDE FACE TOP OF WALL
47080	23+04	-0.28	-0.24	0.04	INSIDE FACE TOP OF WALL
47081	23+24	-0.28	-0.23	0.05	INSIDE FACE TOP OF WALL
47082	23+50	-0.25	-0.22	0.03	INSIDE FACE TOP OF WALL
47083	23+78	-0.16	-0.11	0.05	INSIDE FACE TOP OF WALL
47084	24+04	-0.17	-0.12	0.05	INSIDE FACE TOP OF WALL
47085	24+32	-0.14	-0.10	0.04	INSIDE FACE TOP OF WALL
47086	24+59	-0.02	0.04	0.06	INSIDE FACE TOP OF WALL
47087	24+85	-0.12	-0.07	0.05	INSIDE FACE TOP OF WALL
47088	25+12	-0.12	-0.08	0.04	INSIDE FACE TOP OF WALL
47089	25+41	-0.10	-0.08	0.02	INSIDE FACE TOP OF WALL
47091	25+67	-0.10	-0.08	0.02	INSIDE FACE TOP OF WALL
47092	25+96	-0.07	-0.08	-0.01	INSIDE FACE TOP OF WALL
47093	26+16	0.04	0.04	0.00	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47094	26+32	-0.03	-0.04	-0.01	INSIDE FACE TOP OF WALL AT NE FACE OF BRIDGE
47095	26+48	-0.14	-0.17	-0.03	INSIDE FACE TOP OF WALL
47096	26+73	-0.06	-0.07	-0.01	INSIDE FACE TOP OF WALL
47097	26+80	-0.07	-0.06	0.01	INSIDE FACE TOP OF WALL
47136	27+23	-0.10	-0.11	-0.01	INSIDE FACE TOP OF WALL
47137	27+45	-0.17	-0.16	0.01	INSIDE FACE TOP OF WALL



LAGUNA CANYON CHANNEL (102) SEGMENT 1 RIGHTSIDE FACE OF WALL STATION OFFSET REPORT

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47138	27+66	-0.20	-0.19	0.01	INSIDE FACE TOP OF WALL
47139	27+93	-0.17	-0.17	0.00	INSIDE FACE TOP OF WALL
47140	28+13	0.04	0.00	-0.04	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47141	28+83	0.07	-0.02	-0.09	INSIDE FACE TOP OF WALL
47142	29+05	0.02	-0.03	-0.05	INSIDE FACE TOP OF WALL
47143	29+29	0.05	-0.02	-0.07	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47145	29+53	0.08	0.03	-0.05	INSIDE FACE TOP OF WALL AT NE FACE OF BRIDGE
47146	29+69	0.10	0.06	-0.04	INSIDE FACE TOP OF WALL
47168	29+74	0.06	-0.07	-0.13	INSIDE FACE TOP OF WALL
47169	29+95	0.02	-0.02	-0.04	INSIDE FACE TOP OF WALL
47170	30+13	0.05	0.03	-0.02	INSIDE FACE TOP OF WALL
47171	30+34	0.11	0.11	0.00	INSIDE FACE TOP OF WALL
47172	30+56	0.01	-0.02	-0.03	INSIDE FACE TOP OF WALL
47173	30+78	-0.01	-0.11	-0.10	INSIDE FACE TOP OF WALL
47174	31+01	0.04	0.01	-0.03	INSIDE FACE TOP OF WALL
47175	31+24	0.12	0.05	-0.07	INSIDE FACE TOP OF WALL
47176	31+50	0.07	0.10	0.03	INSIDE FACE TOP OF WALL
47177	31+72	0.06	0.06	0.00	INSIDE FACE TOP OF WALL AT SW FACE OF BRIDGE
47178	31+92	0.16	0.12	-0.04	INSIDE FACE TOP OF WALL AT NE FACE OF BRIDGE
47179	32+15	0.12	0.10	-0.02	INSIDE FACE TOP OF WALL
47180	32+37	0.10	0.06	-0.04	INSIDE FACE TOP OF WALL