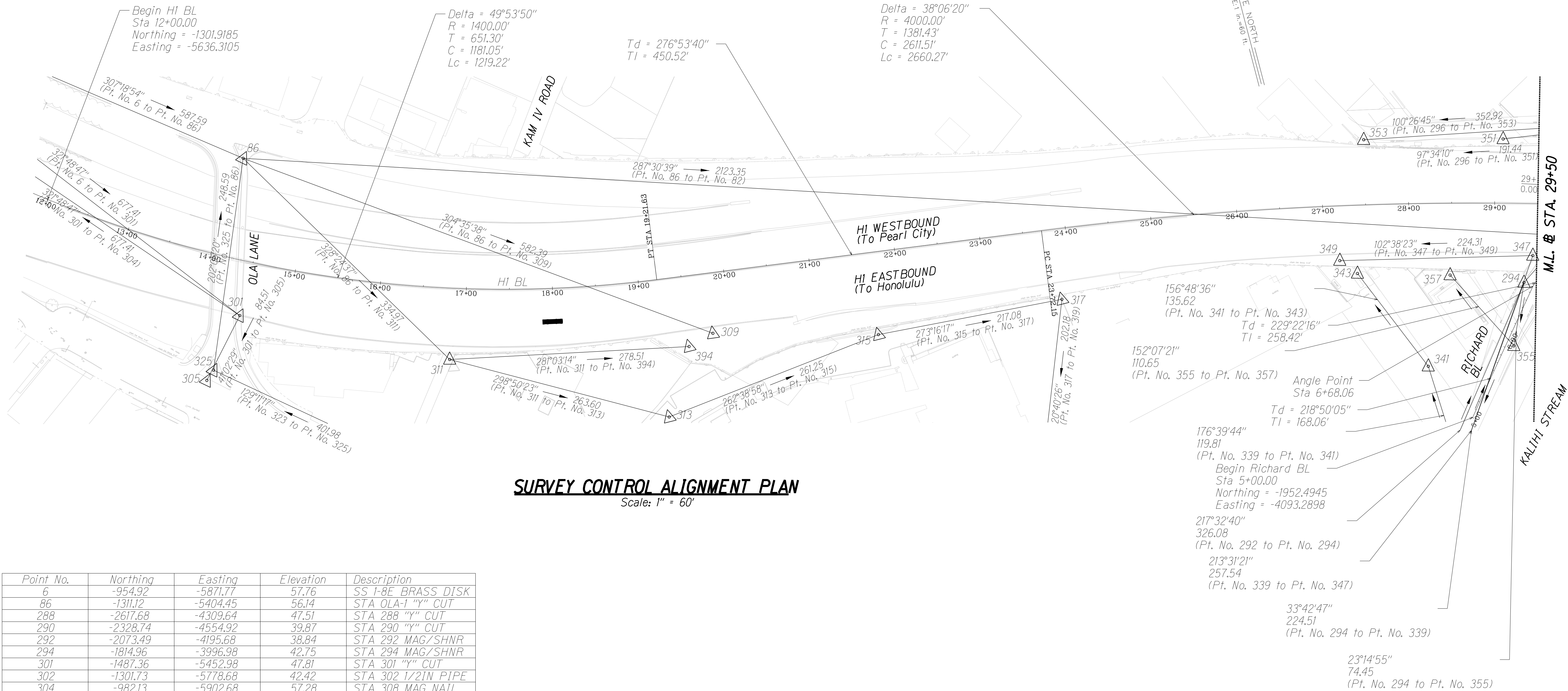


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-K280	2023	29	466



SURVEY CONTROL ALIGNMENT PLAN
Scale: 1" = 60'

Point No.	Northing	Easting	Elevation	Description
6	-954.92	-5871.77	57.76	SS 1-8E BRASS DISK
86	-1311.12	-5404.45	56.14	STA OLA-1 "Y" CUT
288	-2617.68	-4309.64	47.51	STA 288 "Y" CUT
290	-2328.74	-4554.92	39.87	STA 290 "Y" CUT
292	-2073.49	-4195.68	38.84	STA 292 MAG/SHNR
294	-1814.96	-3996.98	42.75	STA 294 MAG/SHNR
301	-1487.36	-5452.98	47.81	STA 301 "Y" CUT
302	-1301.73	-5778.68	42.42	STA 302 1/2IN PIPE
304	-982.13	-5902.68	57.28	STA 308 MAG NAIL
305	-1551.10	-5508.47	43.66	STA 305 MAG NAIL
309	-1641.77	-4925.04	47.90	STA 309 1/2 PIPE
311	-1596.45	-5228.99	46.26	STA 311 MAG/SHNR
313	-1723.60	-4998.08	47.37	STA 313 MAG/SHNR
315	-1690.18	-4738.98	51.82	STA 315 MAG/SHNR
317	-1702.57	-4522.25	56.89	STA 317 "Y" CUT
319	-1891.73	-4593.63	51.11	STA 319 MAG/SHNR
321	-2019.17	-4921.48	39.60	STA 321 "Y" CUT
323	-1795.43	-5186.44	41.24	STA 323 "Y" CUT
325	-1541.43	-5498.00	45.28	STA 325 "Y" CUT
339	-2001.71	-4121.59	39.95	STA 339 MAG/SHNR
341	-1882.10	-4128.56	43.81	STA 341 1/2IN PIPE
343	-1757.44	-4181.97	55.22	STA 343 "Y" CUT
347	-1787.00	-3979.36	53.42	STA 347 1/2IN PIPE
349	-1737.92	-4198.23	56.81	STA 349 1/2IN PIPE
351	-1647.26	-3979.68	58.66	STA 351 1/2IN PIPE
353	-1608.49	-4136.98	64.44	STA 353 MAG/SHNR
355	-1883.35	-4026.36	42.42	STA 355 MAG/SHNR
357	-1785.55	-4078.10	46.66	STA 357 MAG HUB
394	-1649.85	-4955.64	51.56	STA 394 1/2IN PIPE

Horizontal coordinate information is referenced relative to the North American Datum of 1983 (NAD83), rotated +0°02'55.1" to local datum (Mokaauea)

Vertical coordinate information is referenced relative to mean sea level

Primary controls were established through conventional and GPS methods tying into the following stations:
SS 1-8E

Elevations are based on Benchmark SS 1-8E with an elevation of 57.76 feet referred to Mean Sea Level.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. ("OBSERVATION OF CONSTRUCTION" SHALL BE AS DEFINED IN CHAPTER 115, RULES OF THE BOARD OF PROFESSIONAL ENGINEERS, ARCHITECTS AND SURVEYORS, STATE OF HAWAII, SUBCHAPTER 1, SECTION 16-115-2, DEFINITIONS)

JACOB ENGINEERING GROUP INC.
LICENSE EXPIRES 04-30-24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SURVEY CONTROL ALIGNMENT PLAN

INTERSTATE ROUTE HI (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No. NH-HI-K280

Scale: 1" = 60' Date: Dec 2022

SHEET No. *GN5.01* OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(280)	2023	30	466

DRAWING NAME: 419596_SurveyControl-02.dgn PLOT TIME: 27-FEB-2023 10:41

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

Point No.	Northing	Easting	Elevation	Description
34	-2737.06	-2203.22	80.17	STA KALIHI-1 + CUT
36	-2484.71	-2390.69	65.08	STA KALIHI-2 1/2IN PIPE
82	-1950.00	-3379.50	69.31	STA GULICK-1 + CUT
102	-1908.09	-3222.36	72.01	STA GULICK-4 1/2IN PIPE
279	-1693.31	-3002.82	79.49	STA 279 MAG/SHNR
281	-2194.13	-3663.28	61.48	STA 281 "Y" CUT
282	-2312.35	-3176.64	65.35	STA 282 T CUT
284	-2259.41	-3188.48	67.68	STA 284 "Y" CUT
286	-2410.22	-4001.72	54.33	STA 286 "Y" CUT
296	-1672.48	-3789.91	46.86	STA 296 "Y" CUT
307	-1990.14	-3350.61	69.39	STA 307 "Y" CUT
331	-1810.55	-3179.97	74.01	STA 331 "Y" CUT
333	-2686.68	-2371.16	66.74	STA 333 1/2IN PIPE
359	-2027.32	-3826.61	58.29	STA 359 1/2IN PIPE
361	-1915.82	-3727.35	60.02	STA 361 MAG/SHNR
363	-1879.31	-3746.43	59.90	STA 363 HUB/TACK
365	-2063.54	-3313.06	69.53	STA 365 1/2IN PIPE
367	-1773.37	-3602.67	61.56	STA 367 1/2IN PIPE
368	-1864.49	-3724.96	55.74	STA 368 1/2IN PIPE
376	-1701.07	-3595.64	62.18	STA 376 1/2IN PIPE
390	-1835.35	-3415.43	67.68	STA 390 "Y" CUT

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SURVEY CONTROL ALIGNMENT PLAN

Scale: 1" = 60'



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JACOBS ENGINEERING GROUP INC.
LICENSE EXPIRES 04-30-24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**SURVEY CONTROL ALIGNMENT
PLAN**

INTERSTATE ROUTE HI (EB) IMPROVEMENTS
Ola Lane Overpass to Likeike Hwy Off-Ramp
Project No. NH-HI-1(280)

Scale: 1" = 60' Date: Dec 2022

SHEET No. GN5.02 OF 2 SHEETS