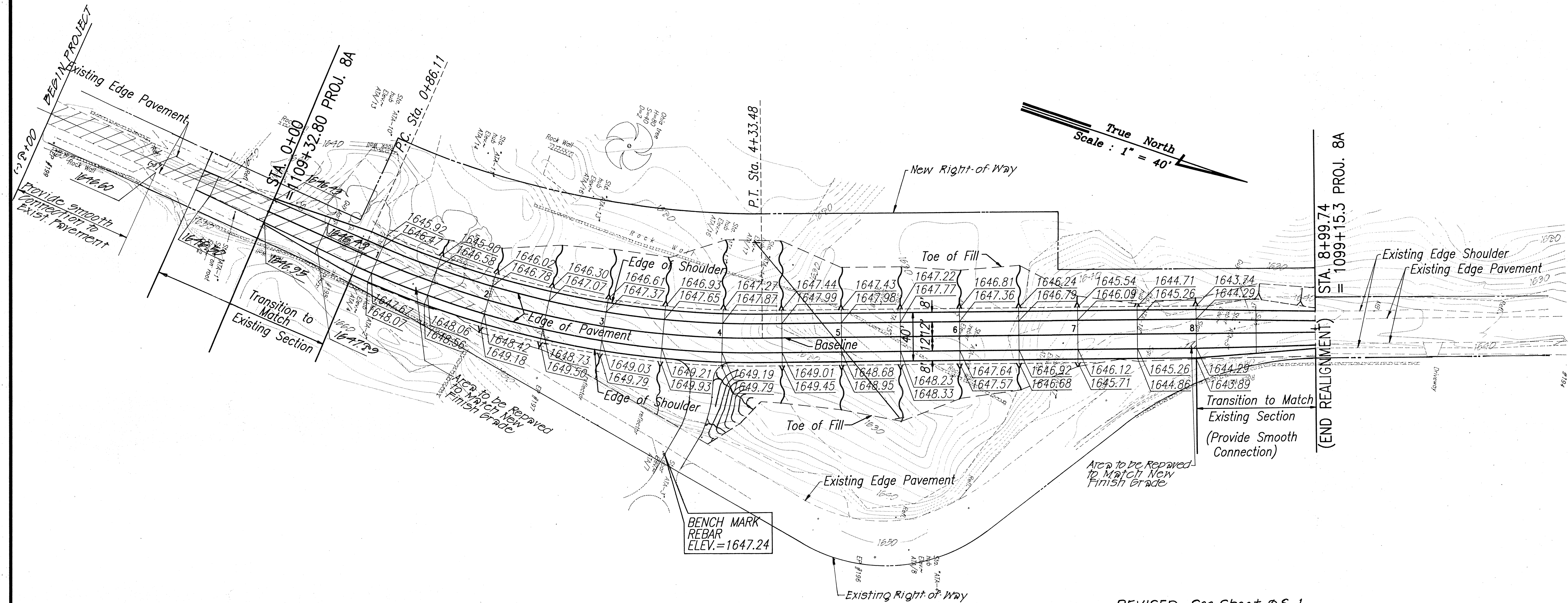
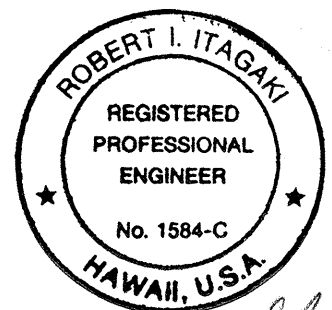


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11BC-01-91	1991	9	25



ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN
SITE 1

HAWAII BELT ROAD IMPROVEMENTS
PAPA TO HONAUNAU - UNIT 2
PROJECT NO. 11BC-01-91

SHEET No. / OF / SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11BC-01-91	1991	9S-1	25

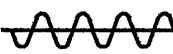
SITE 1 CENTERLINE ELEVATIONS

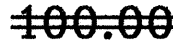
STATION		Lt %	Lt ES Width	Rev. EL LT ES	Lt %	Lt EP Width	Rev Lt EP	Rev CL EL	Rt %	Rt EP Width	Rev Rt EP	Rt %	Rt ES Width	Rev El Rt ES.
10+00.00		-5.00%	3.00	1,639.57	-2.00%	10.00	1,639.72	1,639.92	-2.00%	10.00	1,639.72	-5.00%	3.00	1,639.57
9+75.00	EVC2	-5.00%	8.00	1,639.95	-2.00%	12.00	1,640.35	1,640.59	-2.00%	10.00	1,640.39	-5.00%	3.00	1,640.24
9+50.00		-5.00%	8.00	1,640.61	-2.00%	12.00	1,641.01	1,641.25	-2.00%	10.29	1,641.04	-5.00%	3.00	1,640.89
9+25.00		-5.00%	8.00	1,641.24	-2.00%	12.00	1,641.64	1,641.88	-2.00%	10.57	1,641.67	-5.00%	3.00	1,641.52
9+00.00		-5.00%	8.00	1,641.84	-2.00%	12.00	1,642.24	1,642.48	-2.00%	10.86	1,642.26	-5.00%	3.00	1,642.11
8.99.74		-5.00%	8.00	1,641.85	-2.00%	12.00	1,642.25	1,642.49	-2.00%	10.86	1,642.27	-5.00%	3.01	1,642.12
8+75.00		-5.00%	8.00	1,642.41	-2.00%	12.00	1,642.81	1,643.05	-2.00%	11.14	1,642.83	-5.00%	4.26	1,642.62
8+50.00		-5.00%	8.00	1,642.95	-2.00%	12.00	1,643.35	1,643.59	-2.00%	11.43	1,643.36	-5.00%	6.13	1,643.05
8+25.00		-5.00%	8.00	1,,643.46	-2.00%	12.00	1,643.86	1,644.10	-2.00%	11.71	1,643.87	-5.00%	7.53	1,643.49
8+00.00		-5.00%	8.00	1,643.94	-2.00%	12.00	1,644.34	1,644.58	-2.00%	12.00	1,644.34	-4.79%	8.00	1,643.96
7+75.00		-5.00%	8.00	1,644.40	-2.00%	12.00	1,644.80	1,645.04	-2.00%	12.00	1,644.80	-4.15%	8.00	1,644.47
7+50.00		-5.00%	8.00	1,644.82	-2.00%	12.00	1,645.22	1,645.46	-2.00%	12.00	1,645.22	-3.51%	8.00	1,644.94
7+41.29		-5.00%	8.00	1,644.96	-2.00%	12.00	1,645.36	1,645.60	-2.00%	12.00	1,645.36	-3.29%	8.00	1,645.10
7.00.00		-5.00%	8.00	1,645.57	-2.00%	12.00	1,645.97	1,646.21	-1.78%	12.00	1,646.00	-2.22%	8.00	1,645.82
6+91.29		-5.00%	8.00	1,645.69	-2.00%	12.00	1,646.09	1,646.33	-1.68%	12.00	1,646.13	-2.00%	8.00	1,645.97
6+65.00		-5.00%	8.00	1,646.03	-2.00%	12.00	1,646.43	1,646.67	-1.25%	12.00	1,646.52	-1.32%	8.00	1,646.41
6+50.00		-5.00%	8.00	1,646.21	-2.00%	12.00	1,646.61	1,646.85	-0.92%	12.00	1,646.74	-0.94%	8.00	1,646.66
6+41.29		-5.00%	8.00	1,646.30	-2.00%	12.00	1,646.70	1,646.94	-0.71%	12.00	1,646.85	-0.71%	8.00	1,646.79
6+13.48		-5.00%	8.00	1,646.59	-2.00%	12.00	1,646.99	1,647.23	0.00%	12.00	1,647.23	0.00%	8.00	1,647.23
6+00.00		-5.00%	8.00	1,646.72	-2.00%	12.00	1,647.12	1,647.36	0.35%	12.00	1,647.40	0.35%	8.00	1,647.43
5+85.67		-5.00%	8.00	1,646.85	-2.00%	12.00	1,647.25	1,647.49	0.71%	12.00	1,647.58	0.71%	8.00	1,647.64
5+50.00		-5.00%	8.00	1,647.10	-2.16%	12.00	1,647.50	1,647.76	1.63%	12.00	1,647.96	1.63%	8.00	1,648.09
5+35.67		-5.00%	8.00	1,647.17	-2.32%	12.00	1,647.57	1,647.85	2.00%	12.00	1,648.09	2.00%	8.00	1,648.25
5+00.00		-5.00%	8.00	1,647.28	-2.95%	12.00	1,647.68	1,648.03	2.92%	12.00	1,648.38	2.92%	8.00	1,648.61
4+85.67		-5.00%	8.00	1,647.30	-3.29%	12.00	1,647.70	1,648.09	3.29%	12.00	1,648.48	3.29%	8.00	1,648.74
4+75.00		-5.00%	8.00	1,647.30	-3.56%	12.00	1,647.70	1,648.13	3.56%	12.00	1,648.56	3.56%	8.00	1,648.84
4+50.00		-5.00%	8.00	1,647.29	-4.20%	12.00	1,647.69	1,648.19	4.20%	12.00	1,648.69	4.20%	8.00	1,649.03
4+33.69	PT1	-5.00%	8.00	1,647.27	-4.62%	12.00	1,647.67	1,648.22	4.62%	12.00	1,648.77	4.62%	8.00	1,649.14
4+33.69	PT1	-5.00%	8.00	1,647.27	-4.62%	12.00	1,647.67	1,648.22	4.62%	12.00	1,648.77	4.62%	8.00	1,649.14
4+25.00		-5.00%	8.00	1,647.25	-4.84%	12.00	1,647.65	1,648.23	4.84%	12.00	1,648.81	4.84%	8.00	1,649.20
4+00.00		-5.49%	8.00	1,647.13	-5.49%	12.00	1,647.57	1,648.23	5.49%	12.00	1,648.89	5.49%	8.00	1,649.33
3+93.48		-5.65%	8.00	1,647.10	-5.65%	12.00	1,647.55	1,648.23	5.65%	12.00	1,648.91	5.65%	8.00	1,649.36
3+85.00		-5.87%	8.00	1,647.05	-5.87%	12.00	1647.52	1,648.22	5.87%	12.00	1,648.92	5.87%	8.00	1,649.39
3+50.00		-6.53%	8.00	1,646.85	-6.53%	12.00	1,647.37	1,648.15	6.53%	12.00	1,648.93	6.53%	8.00	1,649.45
3+43.48		-6.62%	8.00	1,646.81	-6.62%	12.00	1,647.34	1,648.13	6.62%	12.00	1,648.92	6.62%	8.00	1,649.45
3+25.00	BVC2	-6.81%	8.00	1,646.71	-6.81%	12.00	1647.25	1,648.07	6.81%	12.00	1,648.89	6.81%	8.00	1,649.43
3+00.00		-6.93%	8.00	1,646.59	-6.93%	12.00	1647.14	1,647.97	6.93%	12.00	1,648.80	6.93%	8.00	1,649.35
2+93.48		-6.94%	8.00	1,646.55	-6.94%	12.00	1,647.11	1,647.94	6.94%	12.00	1,648.77	6.94%	8.00	1,649.33
2+50.00		-6.94%	8.00	1,646.38	-6.94%	12.00	1,646.94	1,647.77	6.94%	12.00	1,648.60	6.94%	8.00	1,649.16

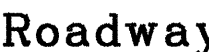
STATION		Lt %	Lt ES Width	Rev. EL LT ES	Lt %	Lt EP Width	Rev Lt EP	Rev CL EL	Rt %	Rt EP Width	Rev Rt EP	Rt %	Rt ES Width	Rev El Rt ES.
2+26.11		-6.94%	8.00	1,646.28	-6.94%	12.00	1,646.84	1,647.67	6.94%	12.00	1,648.50	6.94%	8.00	1,649.06
2+10.00		-6.94%	8.00	1,646.22	-6.94%	12.00	1,646.78	1,647.61	6.94%	12.00	1,648.44	6.94%	8.00	1,649.00
2+00.00		-6.85%	8.00	1,646.20	-6.85%	12.00	1,646.75	1,647.57	6.85%	12.00	1,648.39	6.85%	8.00	1,648.94
1+76.11		-6.62%	8.00	1,646.15	-6.62%	12.00	1,646.68	1,647.47	6.62%	12.00	1,648.26	6.62%	8.00	1,648.79
1+75.00		-6.60%	8.00	1,646.15	-6.60%	12.00	1,646.68	1,647.47	6.60%	12.00	1,648.26	6.60%	8.00	1,648.79
1+50.00		-6.19%	8.00	1,646.13	-6.19%	12.00	1,646.63	1,647.37	6.19%	12.00	1,648.11	6.19%	8.00	1,648.61
1+26.11		-5.65%	8.00	1,646.14	-5.65%	12.00	1,646.59	1,647.27	5.65%	12.00	1,647.95	5.65%	6.88	1,648.34
1+00.00		-5.00%	8.00	1,646.17	-4.98%	12.00	1,646.57	1,647.17	4.98%	12.00	1,647.77	4.98%	5.65	1,648.05
0+85.84	P.C.	-5.00%	8.00	1,646.16	-4.62%	12.00	1,646.56	1,647.11	4.62%	12.00	1,647.66	4.62%	4.98	1,647.89
0+75.00		-5.00%	5.92	1,646.25	-4.34%	12.00	1,646.55	1,647.07	4.34%	12.00	1,647.59	4.34%	4.47	1,647.78
0+65.00	G.P.	-5.00%	4.00	1,646.34	-4.08%	12.00	1,646.54	1,647.03	4.08%	12.00	1,647.52	4.08%	4.00	1,647.68
0+50.00		-5.00%	3.54	1,646.35	-3.70%	12.00	1,646.53	1,646.97	3.70%	11.84	1,647.41	3.70%	3.29	1,647.53
0+50.00	EVC1	-5.00%	3.54	1,646.35	-3.70%	12.00	1,646.53	1,646.97	3.70%	11.84	1,647.41	3.70%	3.29	1,647.53
0+33.92		-5.00%	3.04	1,646.37	-3.29%	12.00	1,646.52	1,646.91	3.29%	11.67	1,647.29	3.29%	3.00	1,647.39
0+25.00		-5.00%	2.77	1,646.37	-3.06%	12.00	1,646.51	1,646.88	3.06%	11.58	1,647.23	3.06%	3.00	1,647.32
0+00.00		-5.00%	2.00	1,646.41	-2.56%	12.00	1,646.51	1,646.82	2.41%	11.32	1,647.09	2.41%	3.00	1,647.16
0+25.00		-5.00%	2.00	1,646.41	-2.22%	12.00	1,646.51	1,646.78	1.77%	11.05	1,646.98	1.77%	3.00	1,647.03
0+50.00		-5.00%	2.00	1,646.43	-2.03%	12.00	1,646.53	1,646.77	1.13%	10.79	1,646.89	1.13%	3.00	1,646.92
0+63.89		-5.00%	2.00	1,646.43	-2.00%	12.00	1,646.53	1,646.77	0.77%	10.64	1,646.85	0.77%	3.00	1,646.87
0+66.08		-5.00%	2.00	1,646.44	-2.00%	12.00	1,646.54	1,646.78	0.71%	10.62	1,646.86	0.71%	3.00	1,646.88
0+75.00	BVC1	-5.00%	2.00	1,646.44	-2.00%	12.00	1,646.54	1,646.78	0.49%	10.53	1,646.83	0.49%	3.00	1,646.84
0+93.91		-	-		-2.00%	10.00	1,646.61	1,646.81	0.00%	10.33	1,646.81	0.00%	3.00	1,646.81
1+00.00		-	-		-2.00%	10.00	1,646.62	1,646.82	-0.16%	10.26	1,646.80	-0.16%	3.00	1,646.80
1+21.70		-	-		-2.00%	10.00	1,646.67	1,646.87	-0.71%	10.00	1,646.80	-0.71%	3.00	1,646.78
1+25.00		-	-		-2.00%	10.00	1,646.68	1,646.88	-0.79%	10.00	1,646.80	-0.80%	3.00	1,646.78
1+50.00		-	-		-2.00%	10.00	1,646.74	1,646.94	-1.34%	10.00	1,646.81	-	3.00	-
1+71.70		-	-		-2.00%	10.00	1,646.77	1,646.97	-1.68%	10.00	1,646.80	-	3.00	-
1+75.00		-	-		-2.00%	10.00	1,646.94	1,647.14	-1.72%	10.00	1,646.97	-	3.00	-
2+00.00		-	-		-2.00%	10.00	1,647.24	1,647.44	-1.94%	10.00	1,647.25	-	3.00	-
2+71.70		-	-		-2.00%	10.00	1,647.50	1,647.70	-2.00%	10.00	1,647.50	-	3.00	-

LEGEND FOR

AS-BUILT POSTINGS

 Squiggly line for as-built deletion

 Double line for as-built deletion

 Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN-SITE 2

HAWAII BELT ROAD IMPROVEMENTS

PAPA TO HONAUNAU-UNIT 2

PROJECT NO. 11BC-01-91

Date: SEPT. 4,1996

SHEET No. 1 OF 1 SHEETS