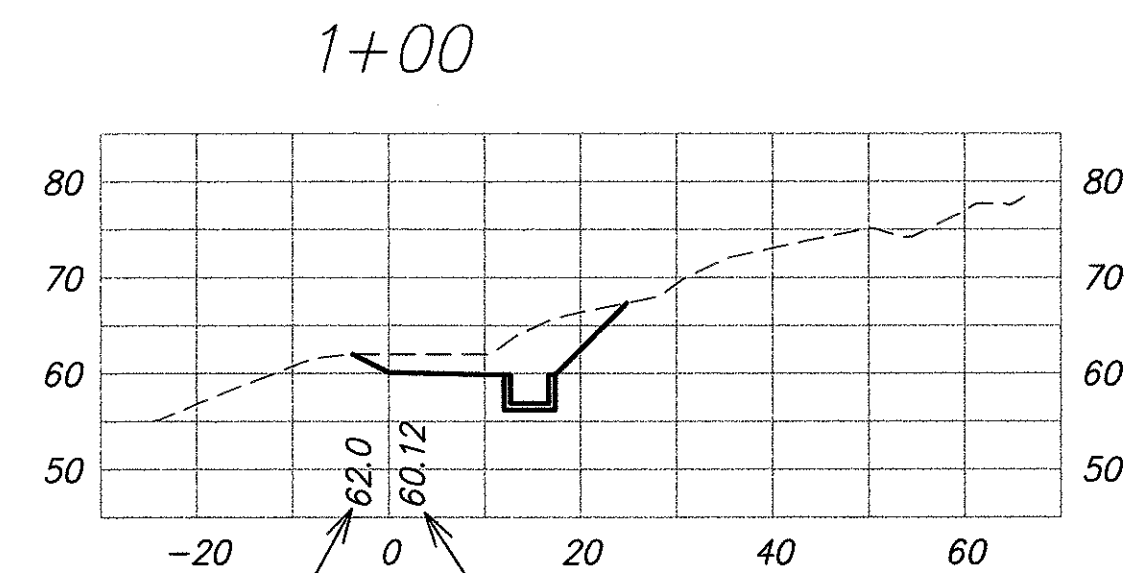
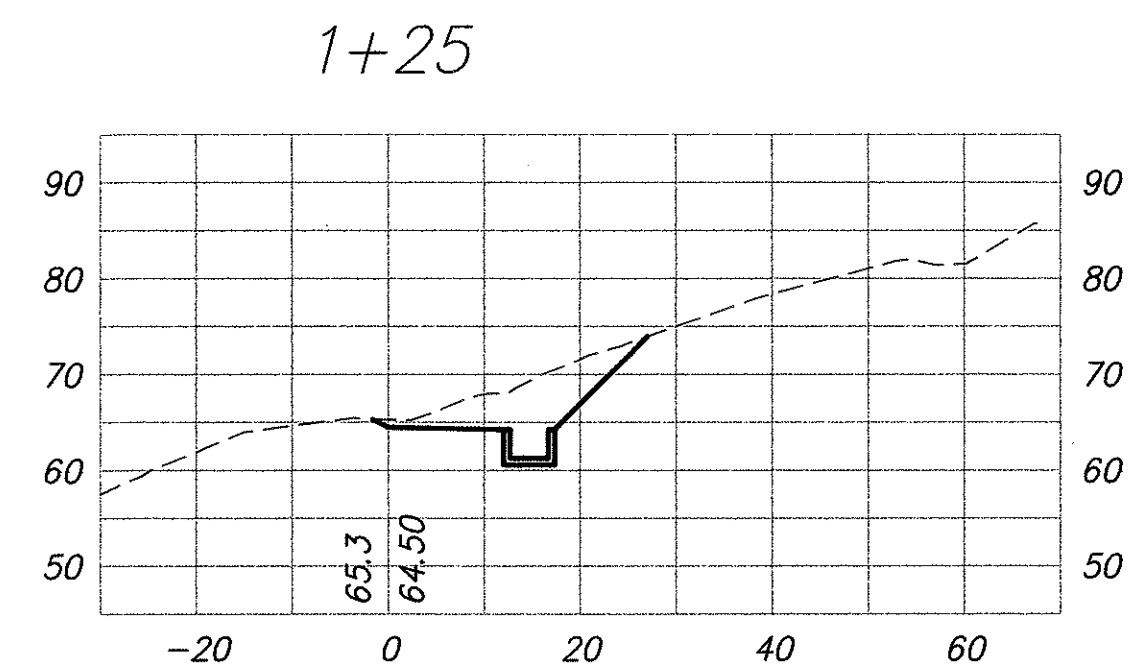
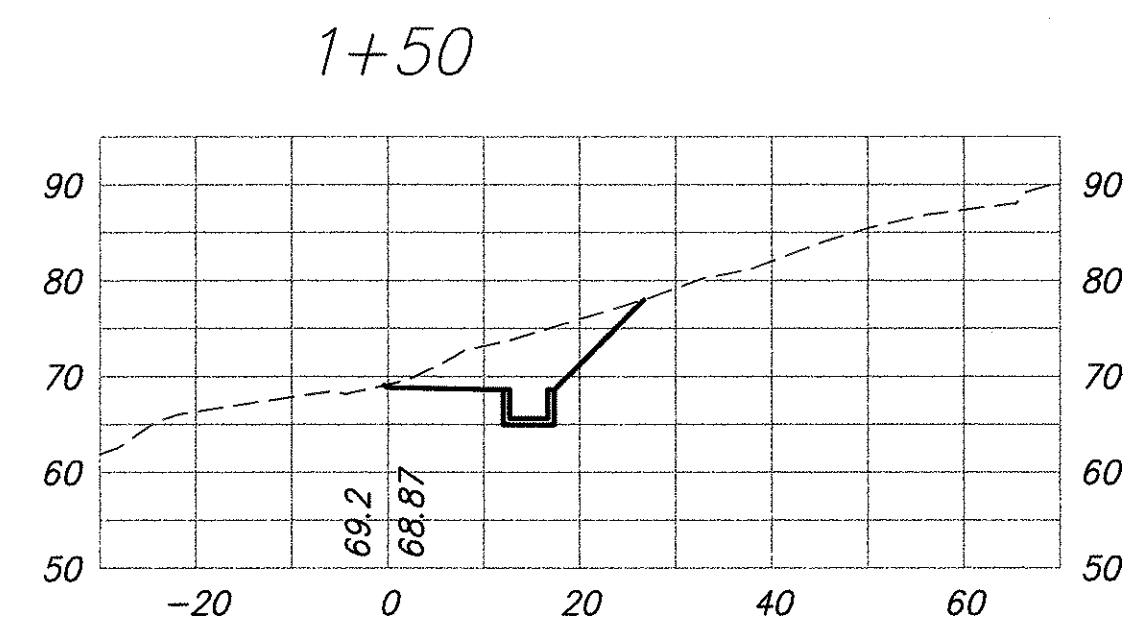
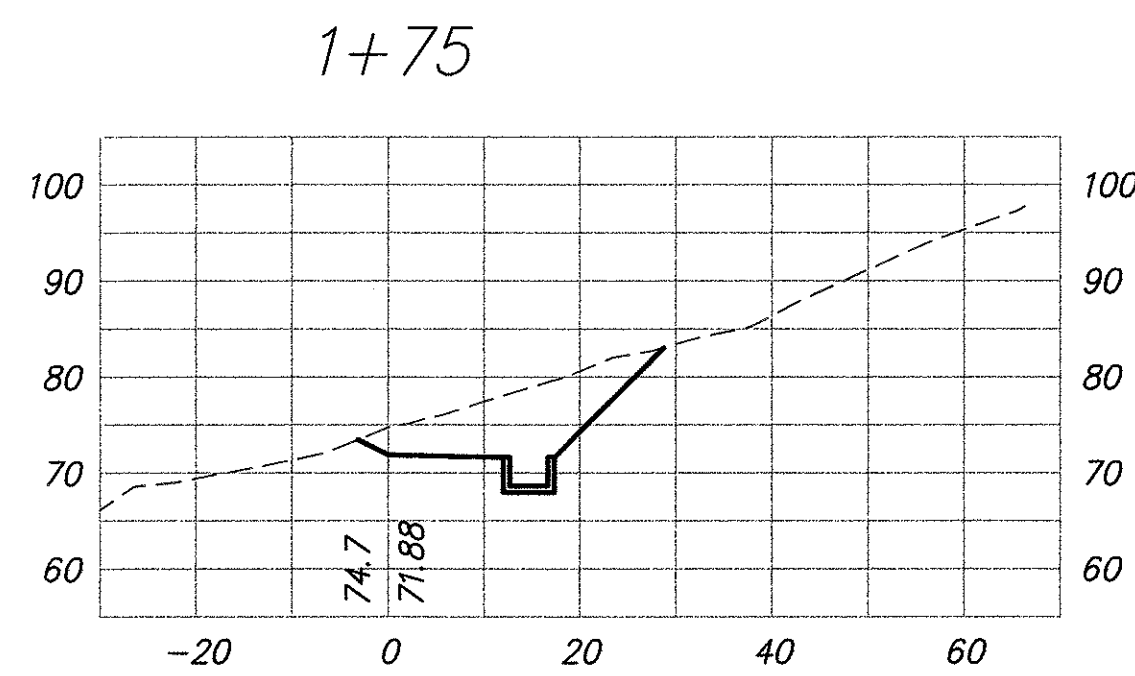
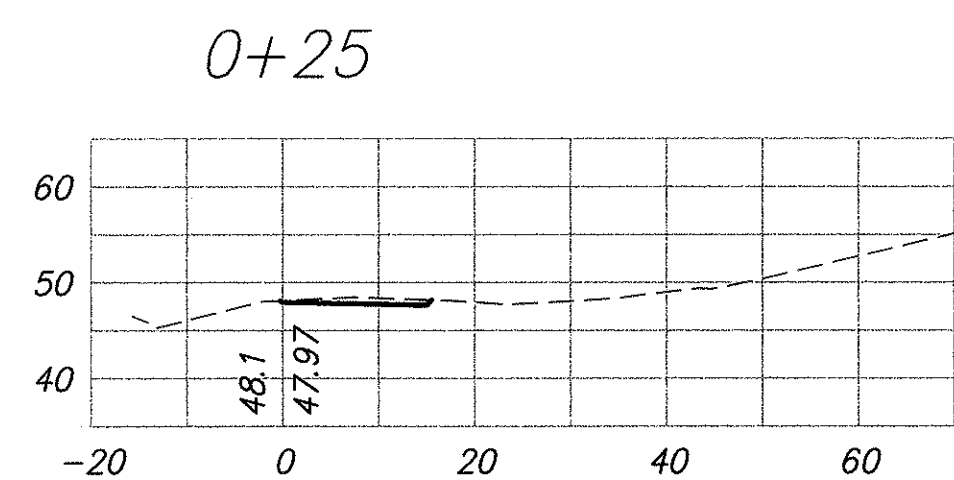
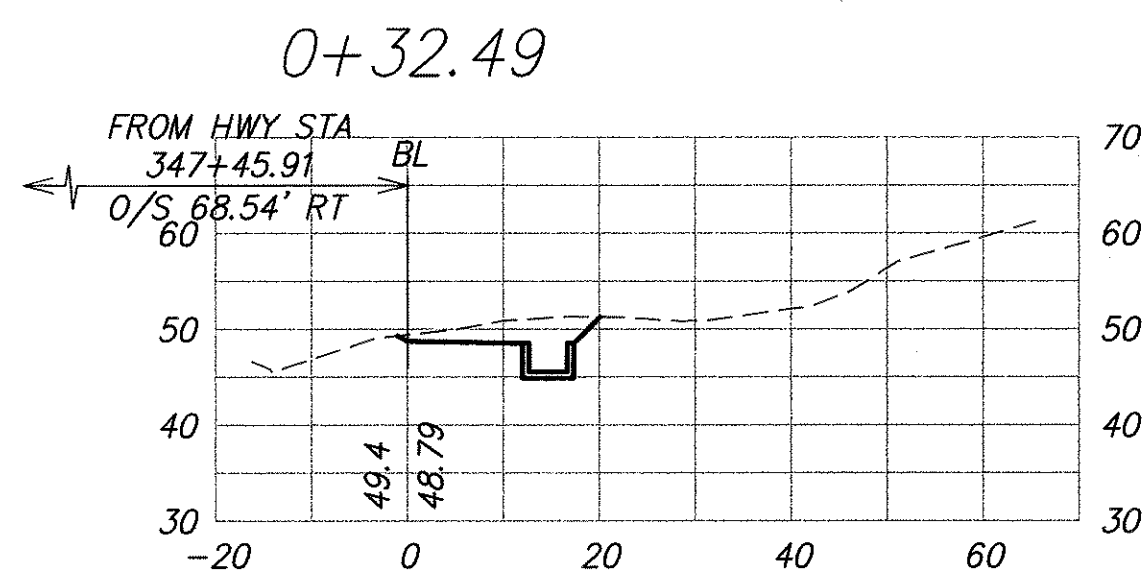
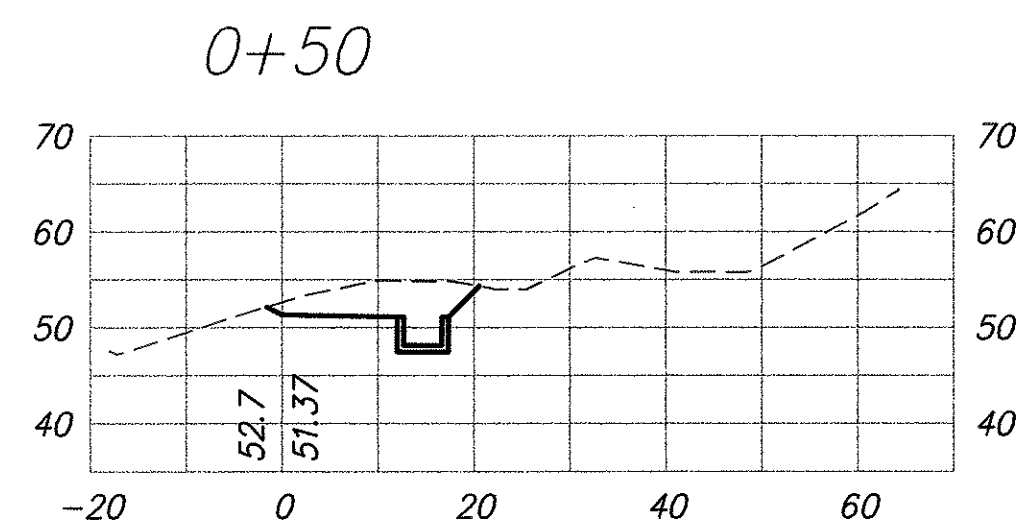
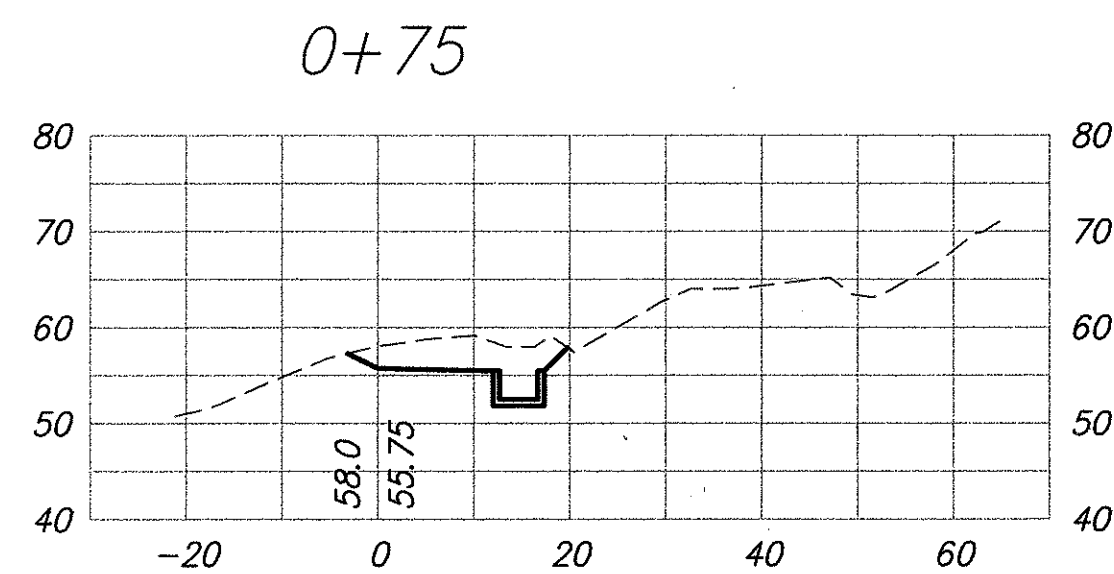
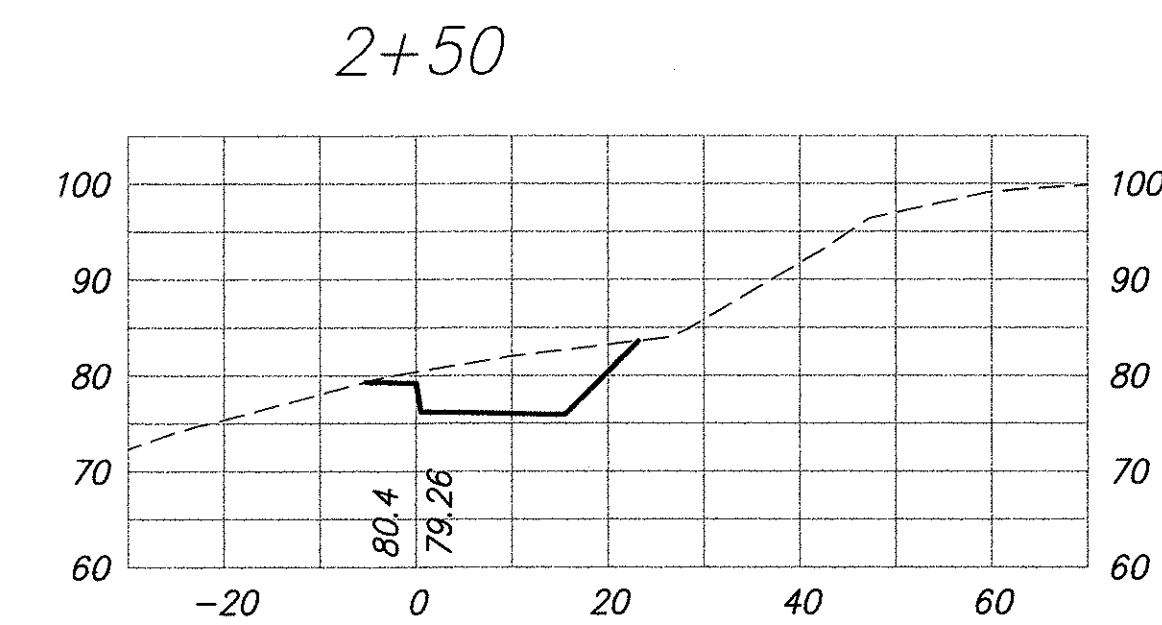
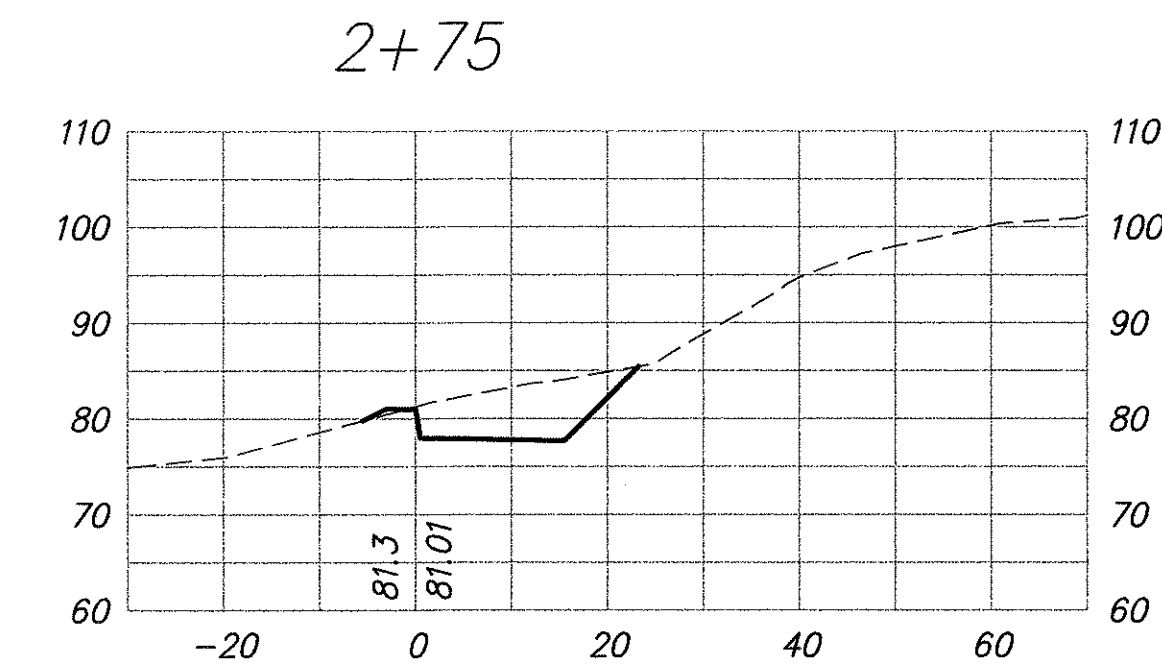
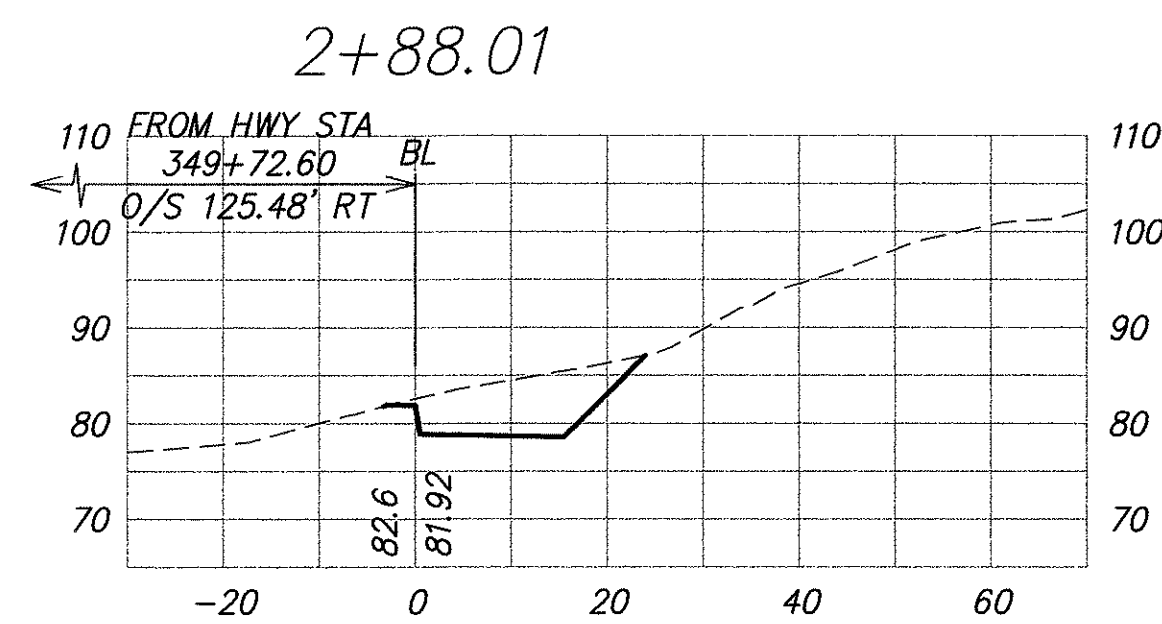
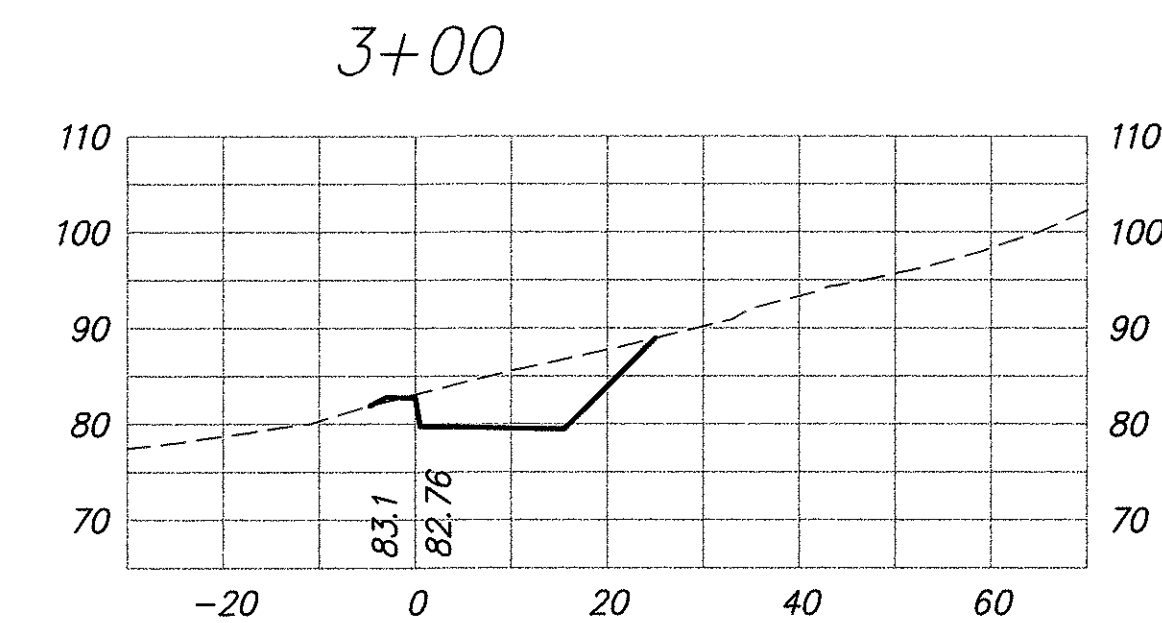
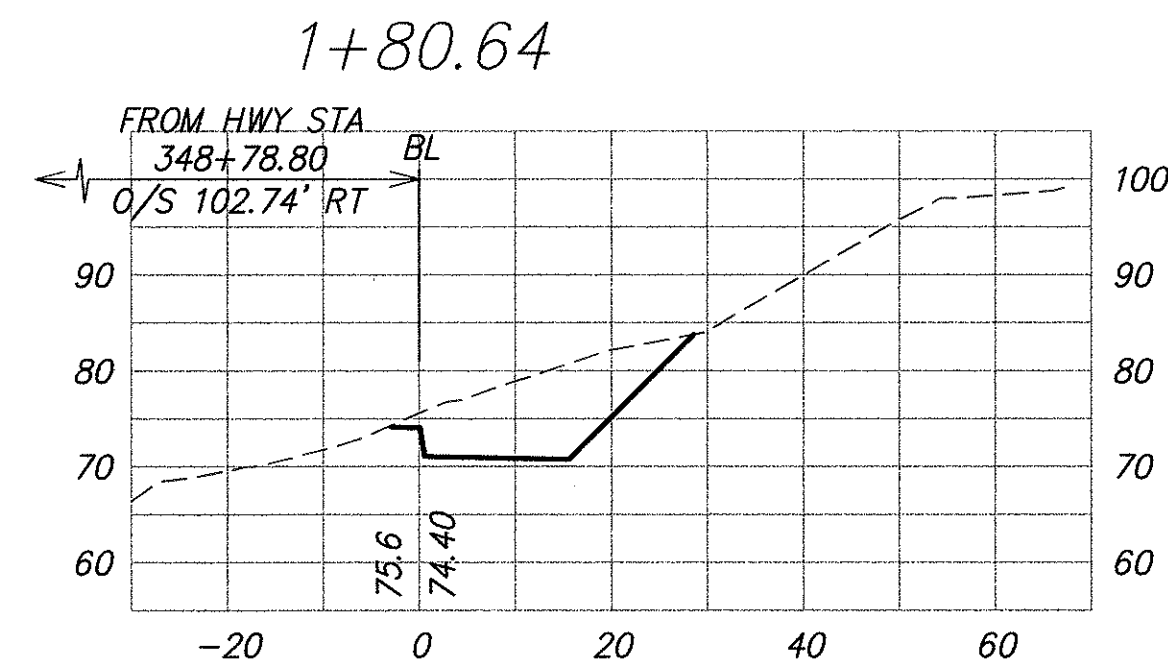
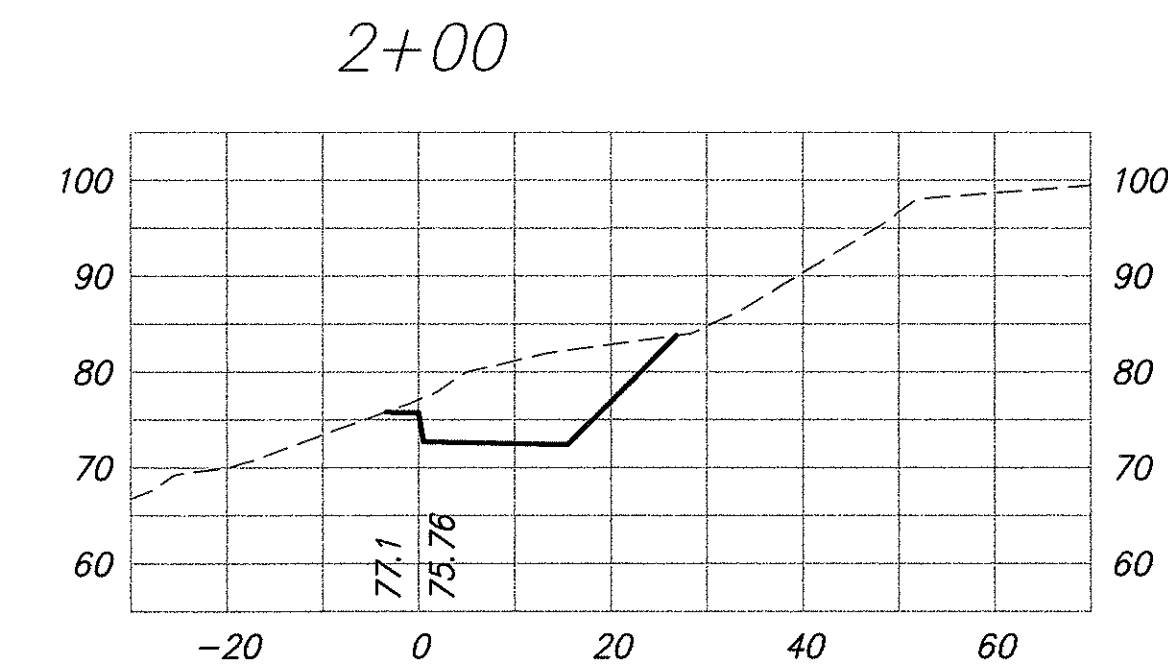
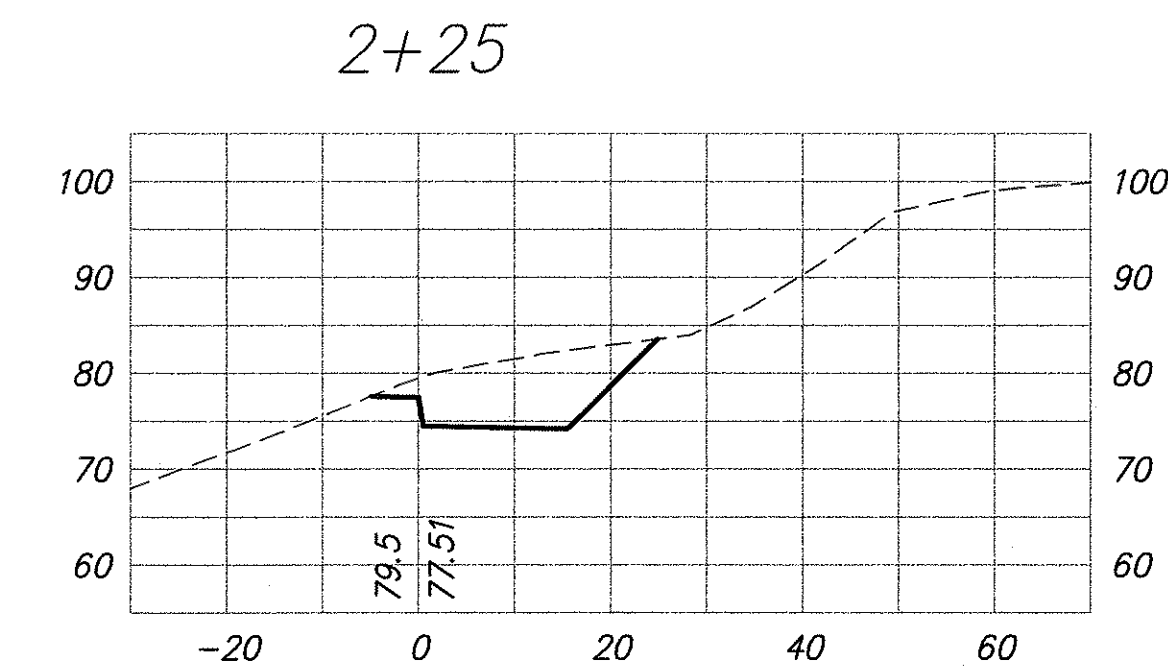
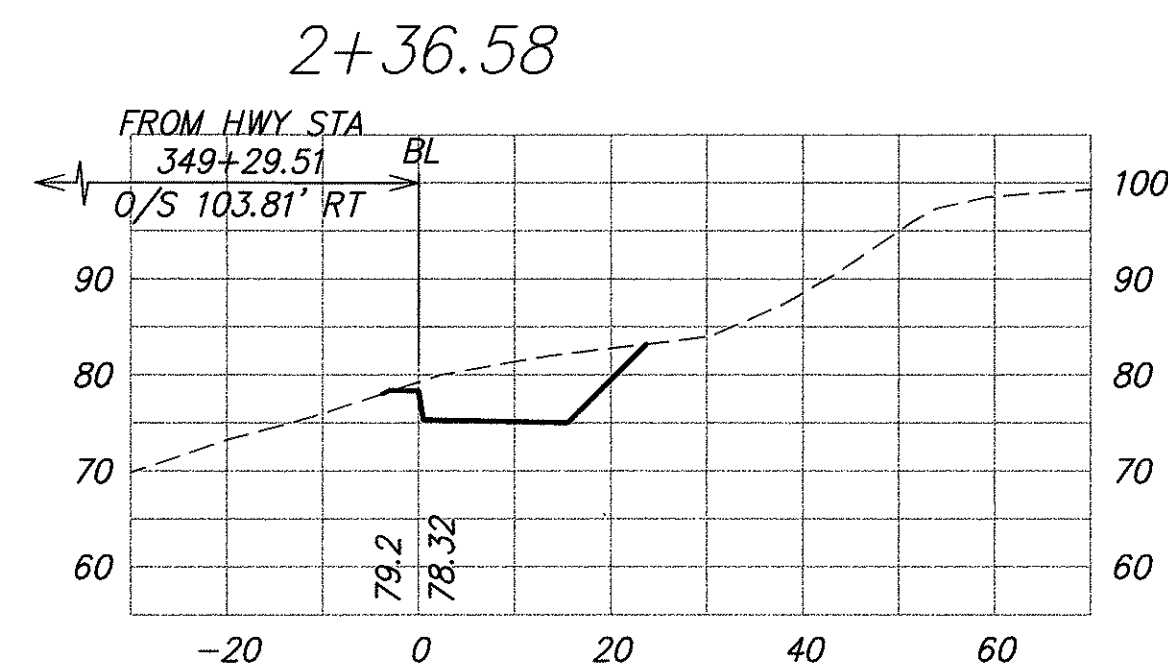


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
OAHU	HAWAII	61D-02-06	2006	ADD.17	57



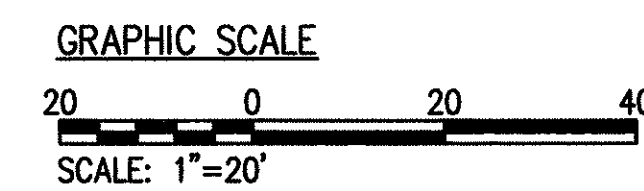
Exist Grade Elev Along Baseline

Finish Grade Elev Along Baseline



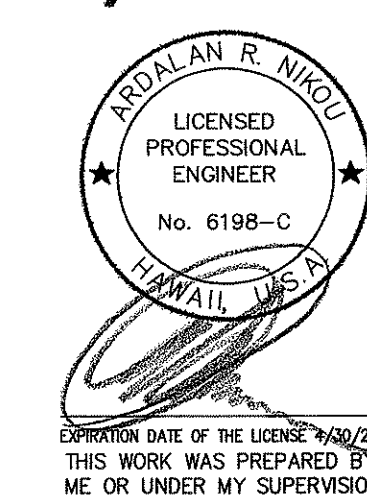
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	

9/11/06	Revised section at 1+80.64
Date	Revision



EarthTech

International Ltd. Company



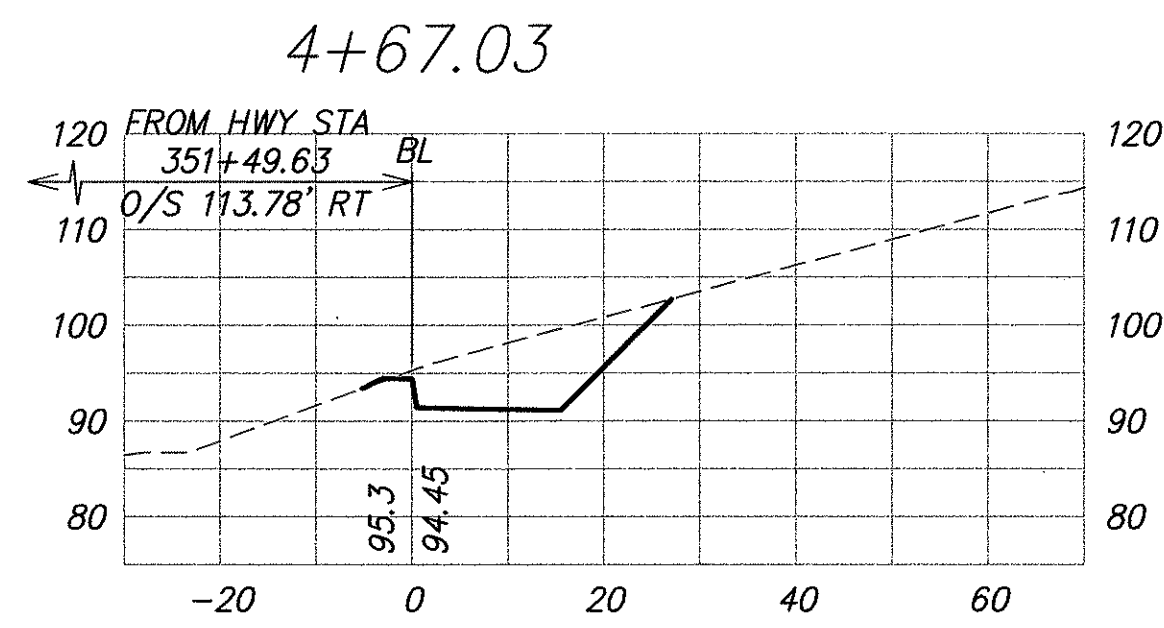
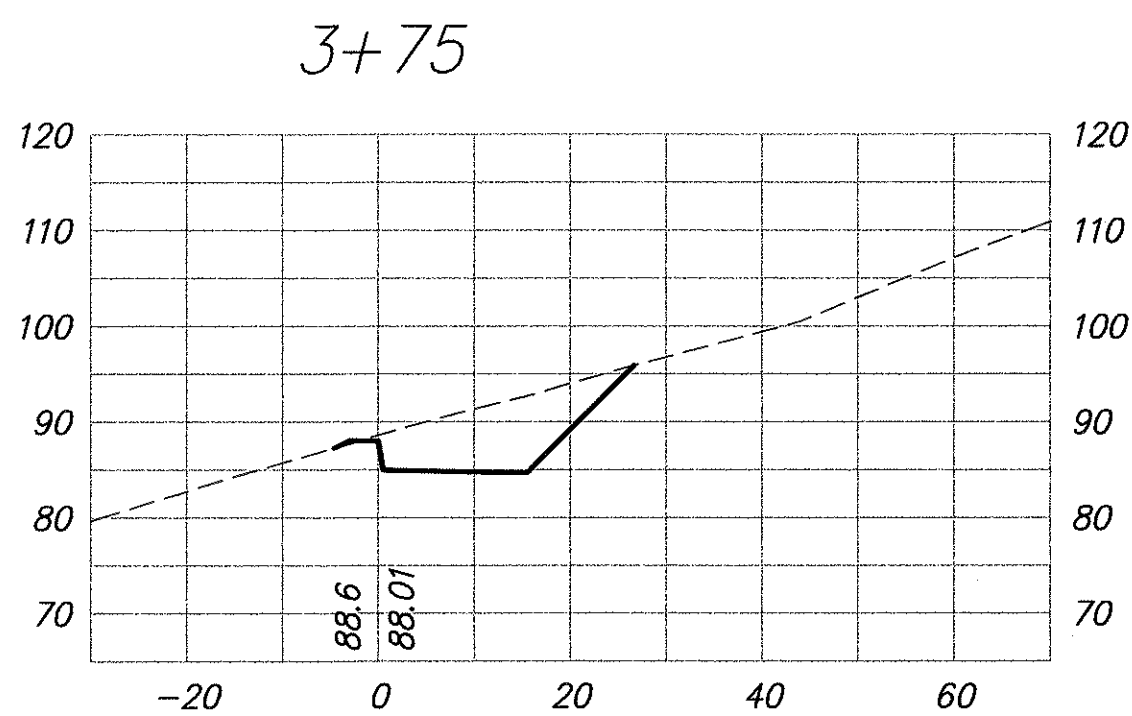
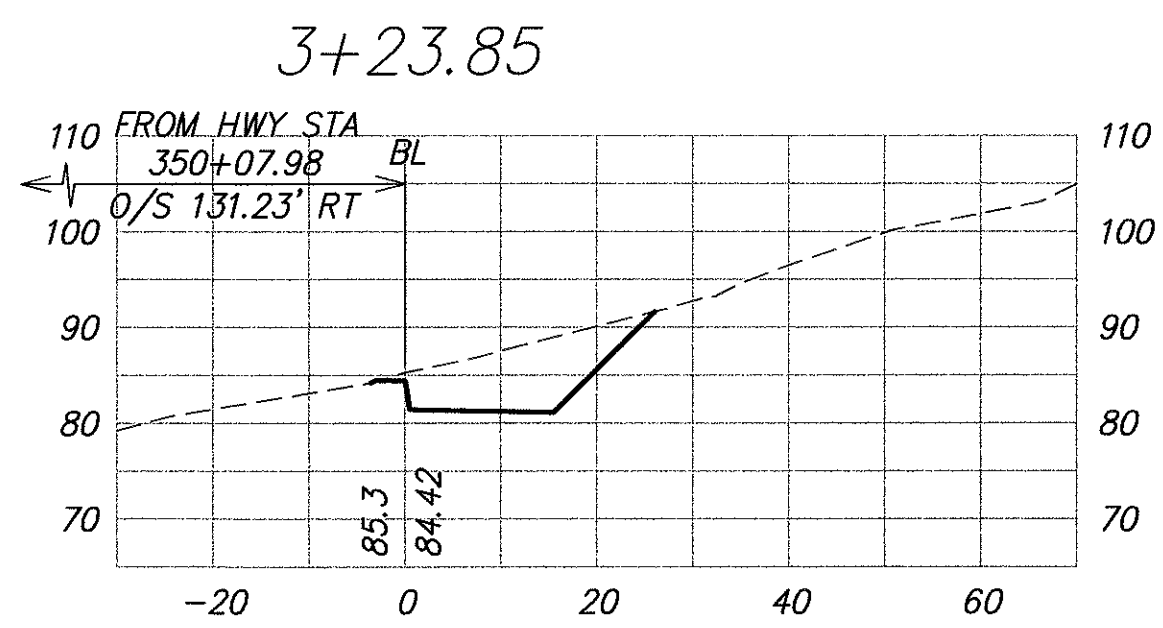
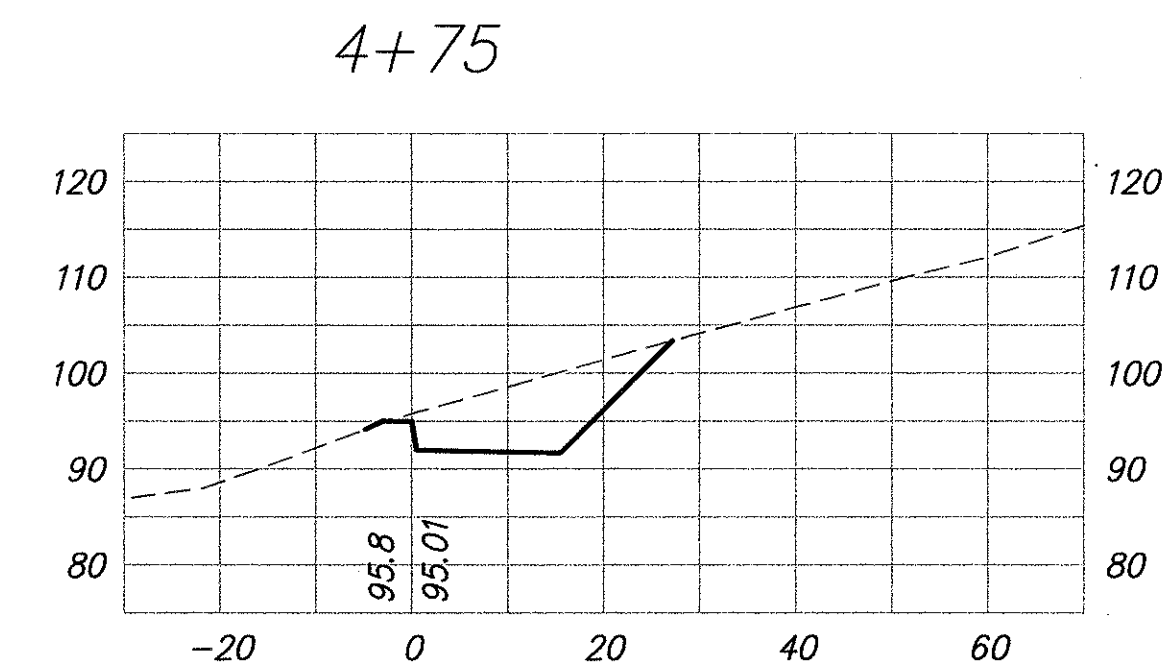
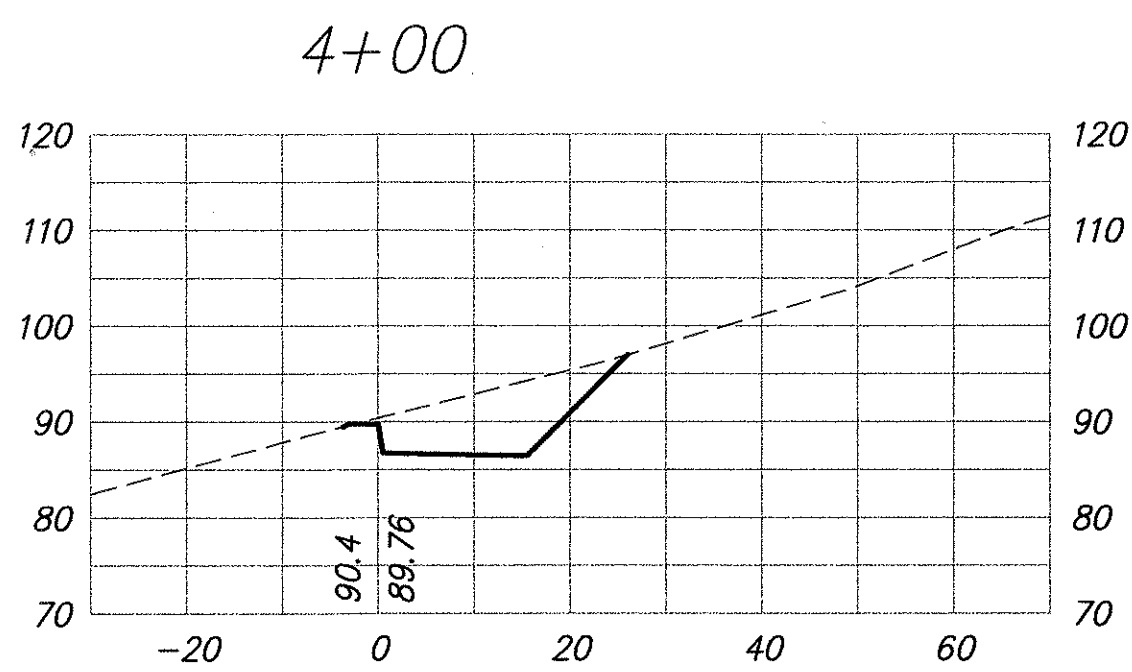
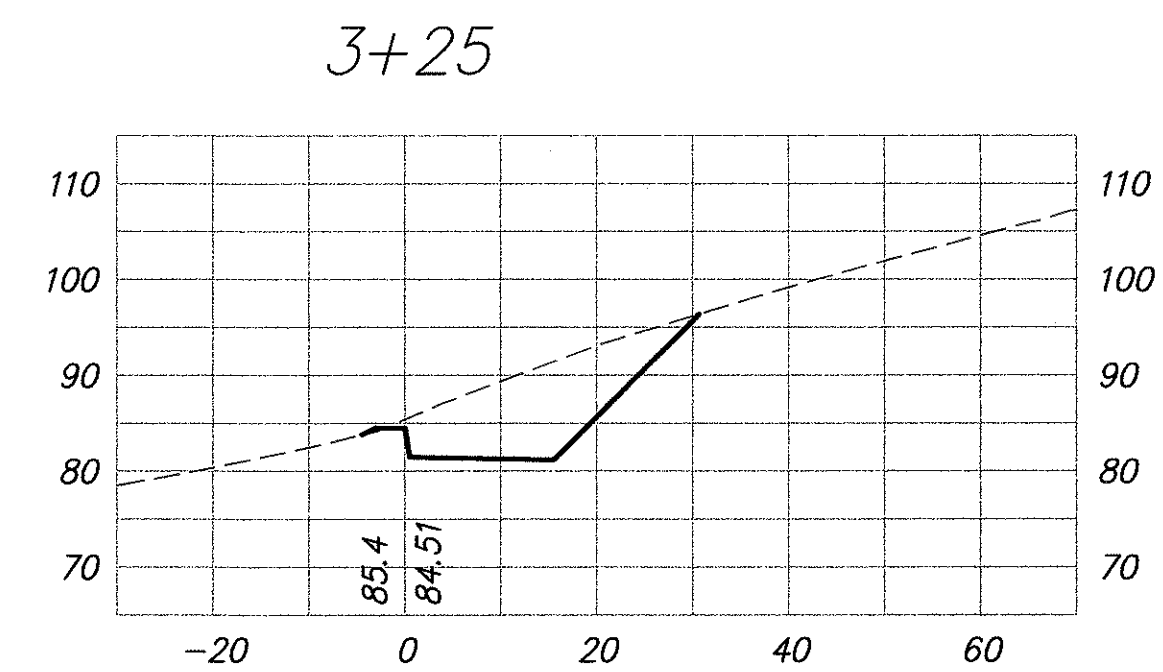
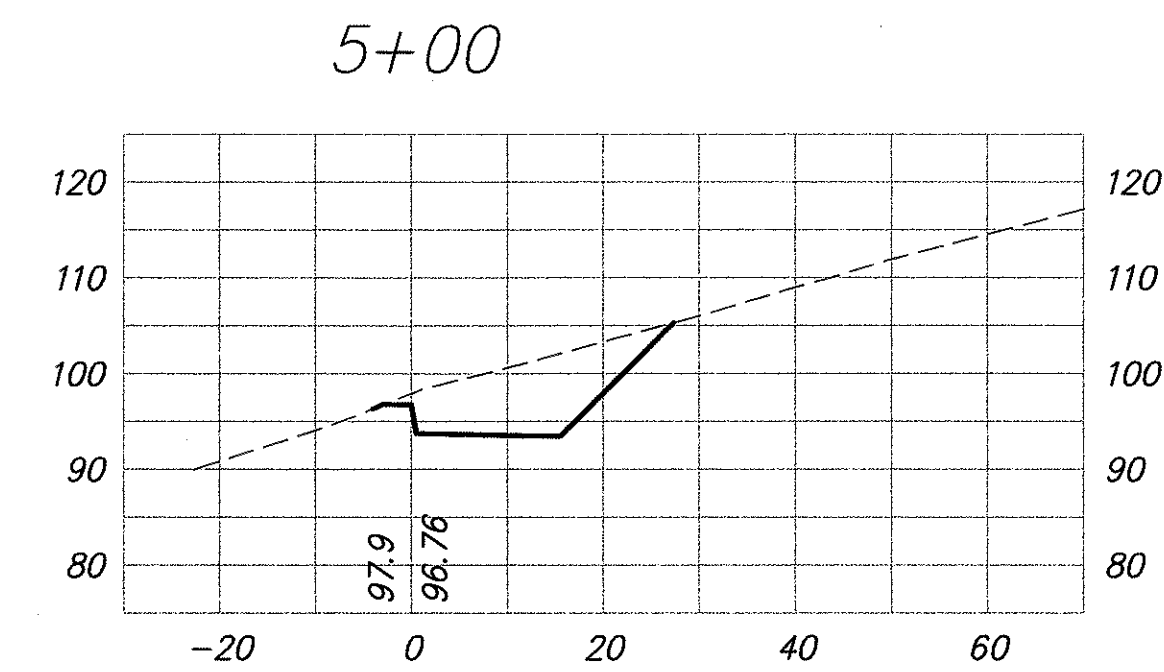
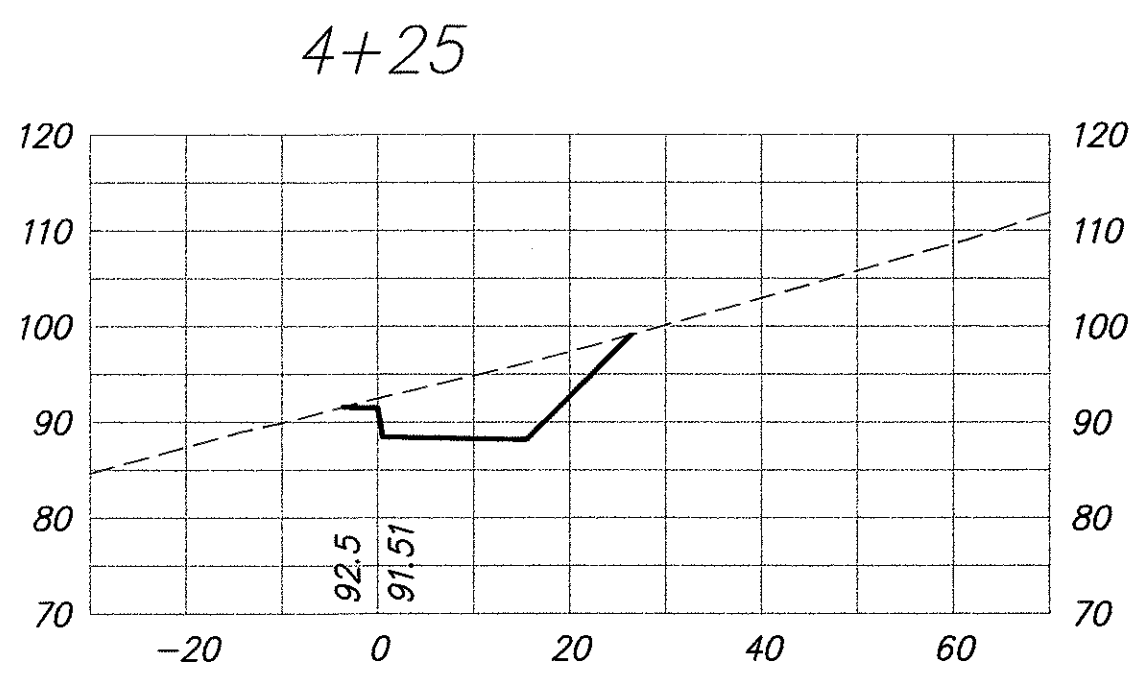
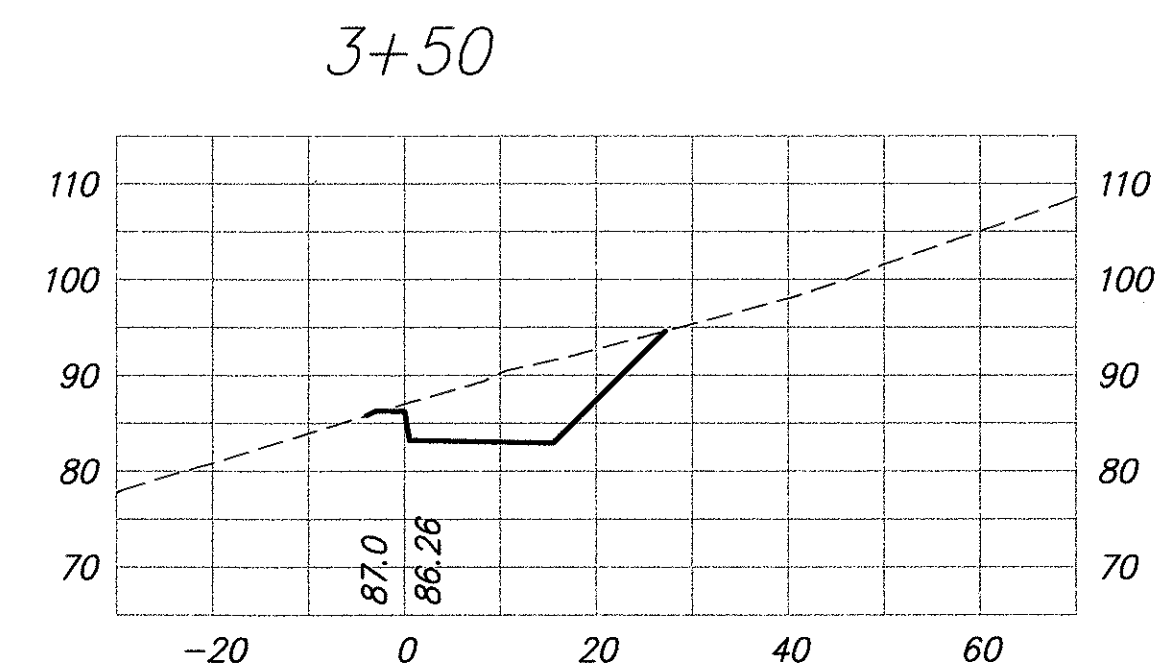
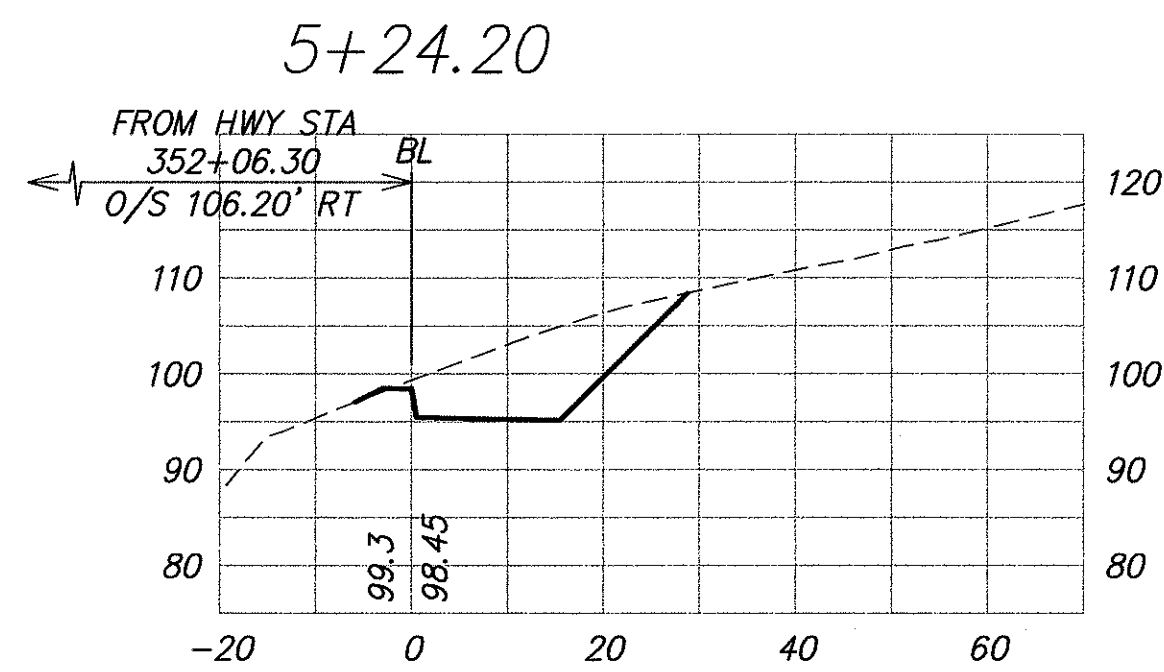
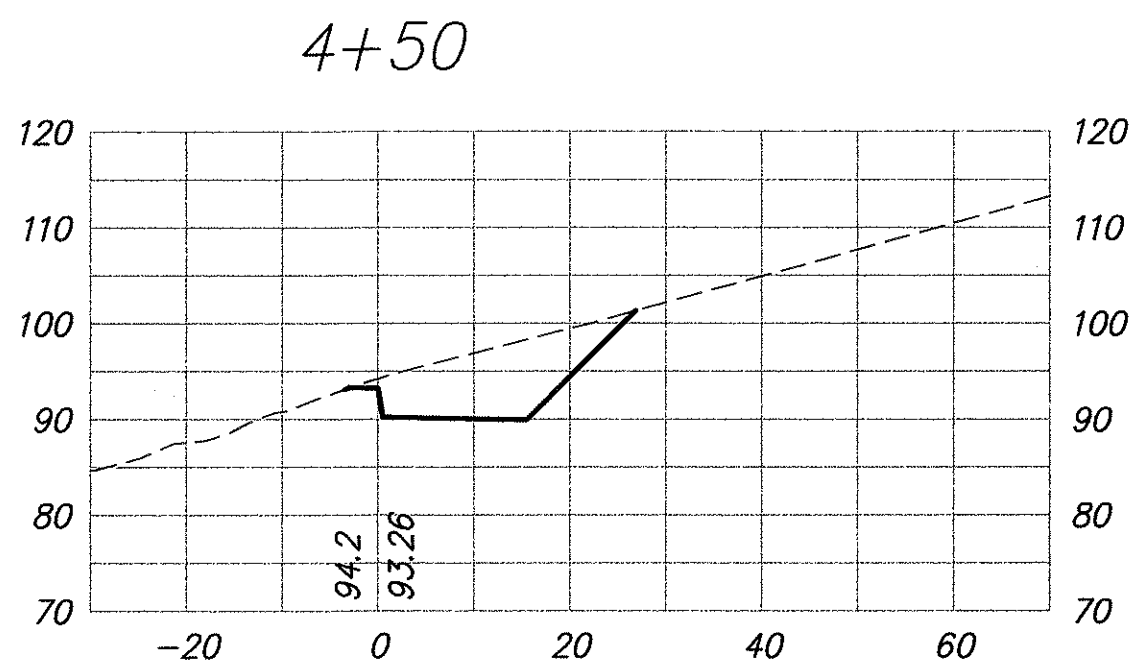
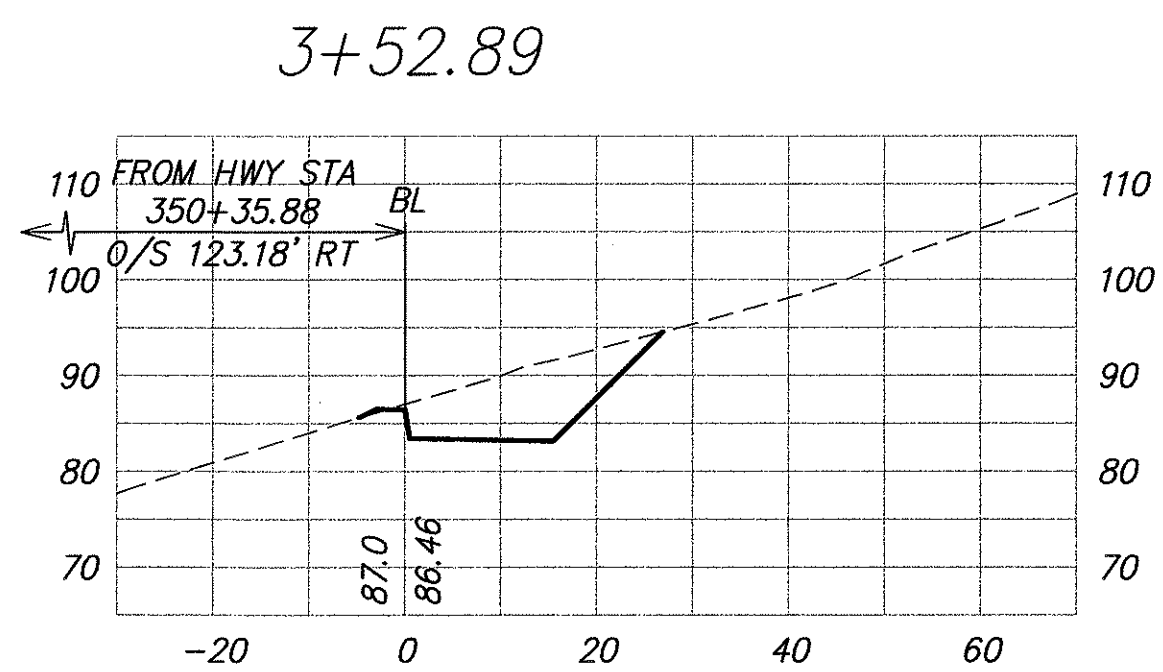
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CATCHMENT DITCH CROSS SECTIONS 1

KAILUA ROAD PERMANENT
ROCKFALL AND LANDSLIDE MITIGATION
PROJECT NO. 61D-02-06

Scale: As Noted Date: Aug 2006

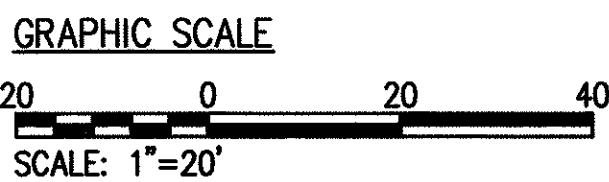
SHEET No. 1 OF 4 SHEETS



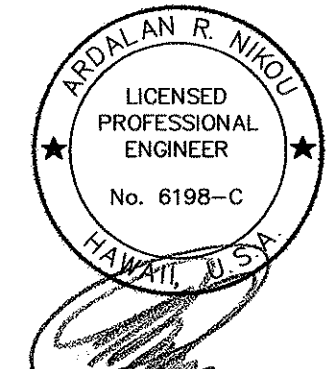
STATION	AREAS Square Feet		VOLUMES Cubic Yards		CUMULATIVE VOLUMES Cubic Yards	
	CUT	FILL	CUT	FILL	CUT	FILL
0+25	7.5395	0.0000	8.8608	0.0000	8.8608	0.0000
0+32.49	56.3689	0.0000	44.2852	0.0000	53.1460	0.0000
0+50	80.1816	0.0000	73.5830	0.0000	126.7291	0.0000
0+75	78.7577	0.0000	80.3735	0.0000	207.1025	0.0000
1+00	94.8490	0.0000	92.3126	0.0000	299.4152	0.0000
1+25	104.5462	0.0000	101.1238	0.0000	400.5389	0.0000
1+50	113.8811	0.0000	128.9124	0.0000	529.4513	0.0000
1+75	164.5696	0.0000	48.0060	0.0000	577.4573	0.0000
1+80.64	295.0618	0.0000	169.0606	0.0000	746.5179	0.0000
2+00	176.4915	0.0000	149.7465	0.0000	896.2644	0.0000
2+25	146.9609	0.0000	57.0215	0.0150	953.2859	0.0150
2+36.58	118.9426	0.0701	57.8439	0.0174	1011.1298	0.0324
2+50	113.8123	0.0000	99.3878	0.6255	1110.5176	0.6580
2+75	100.8652	1.3511	51.2094	0.3309	1161.7270	0.9889
2+88.01	111.6872	0.0223	50.7762	0.1685	1212.5032	1.1573
3+00	116.9964	0.7364	109.2907	0.3702	1321.7939	1.5275
3+23.85	130.4541	0.1017	6.8275	0.0118	1328.6213	1.5393
3+25	190.1411	0.4518	156.0889	0.2826	1484.7102	1.8219
3+50	147.0109	0.1586	15.4032	0.0362	1500.1135	1.8581
3+52.89	140.8005	0.5178	113.0621	0.4018	1613.1755	2.2599
3+75	135.3348	0.4635	122.3482	0.2671	1735.5238	2.5270
4+00	128.9374	0.1134	122.8067	0.0525	1858.3305	2.5795
4+25	136.3251	0.0000	129.5753	0.0112	1987.9057	2.5906
4+50	143.5575	0.0241	91.2715	0.1391	2079.1773	2.7297
4+67.03	145.8532	0.4168	42.7895	0.1080	2121.9667	2.8377
4+75	144.0629	0.3150	136.9980	0.1736	2258.9647	3.0113
5+00	151.8527	0.0600	146.0848	0.2594	2405.0495	3.2707
5+24.20	174.1216	0.5189	0.0000	0.0000	2405.0495	3.2707

ORIGINAL PLAN
NOTE BOOK
No.

SURVEY PLOTTED BY
DATE
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY



EarthTech
A tyco International Ltd. Company



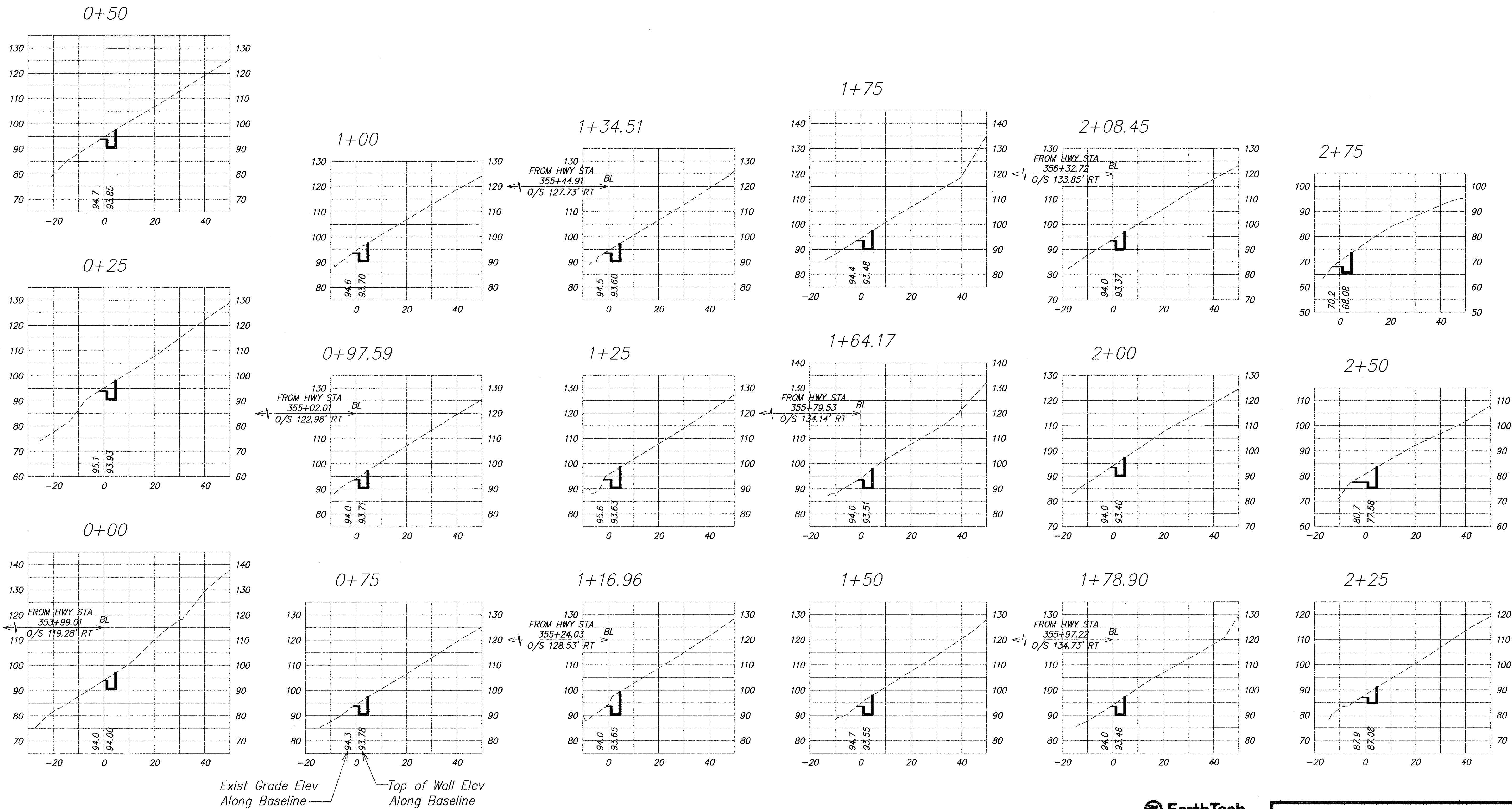
EXPIRATION DATE OF THE LICENSE 4/30/2008
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**CATCHMENT DITCH
CROSS SECTIONS 2**
KAILUA ROAD PERMANENT
ROCKFALL AND LANDSLIDE MITIGATION
PROJECT NO. 61D-02-06

Scale: As Noted Date: Aug 2006

SHEET No. 2 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
OAHU	HAWAII	61D-02-06	2006	19	57



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

