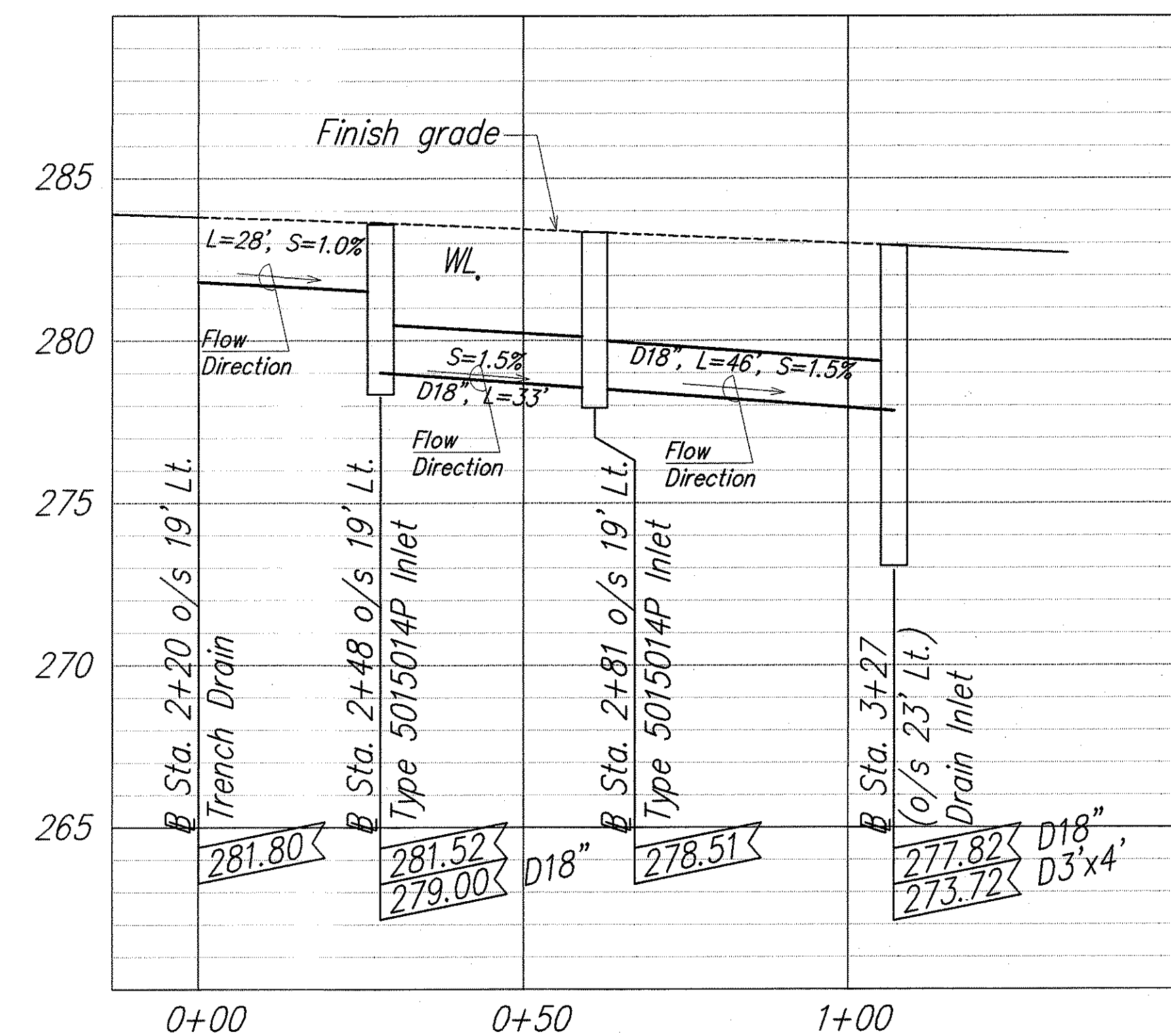
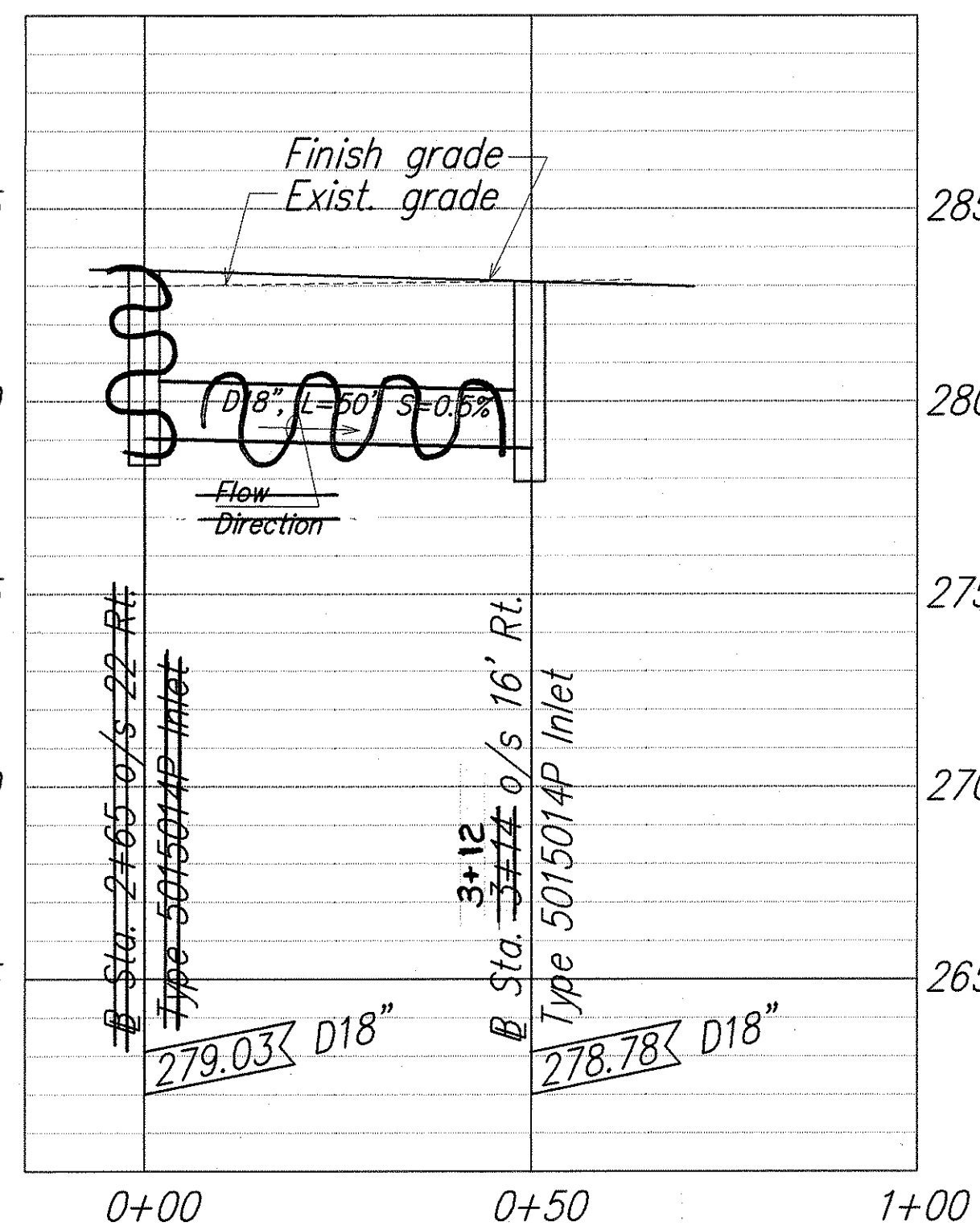




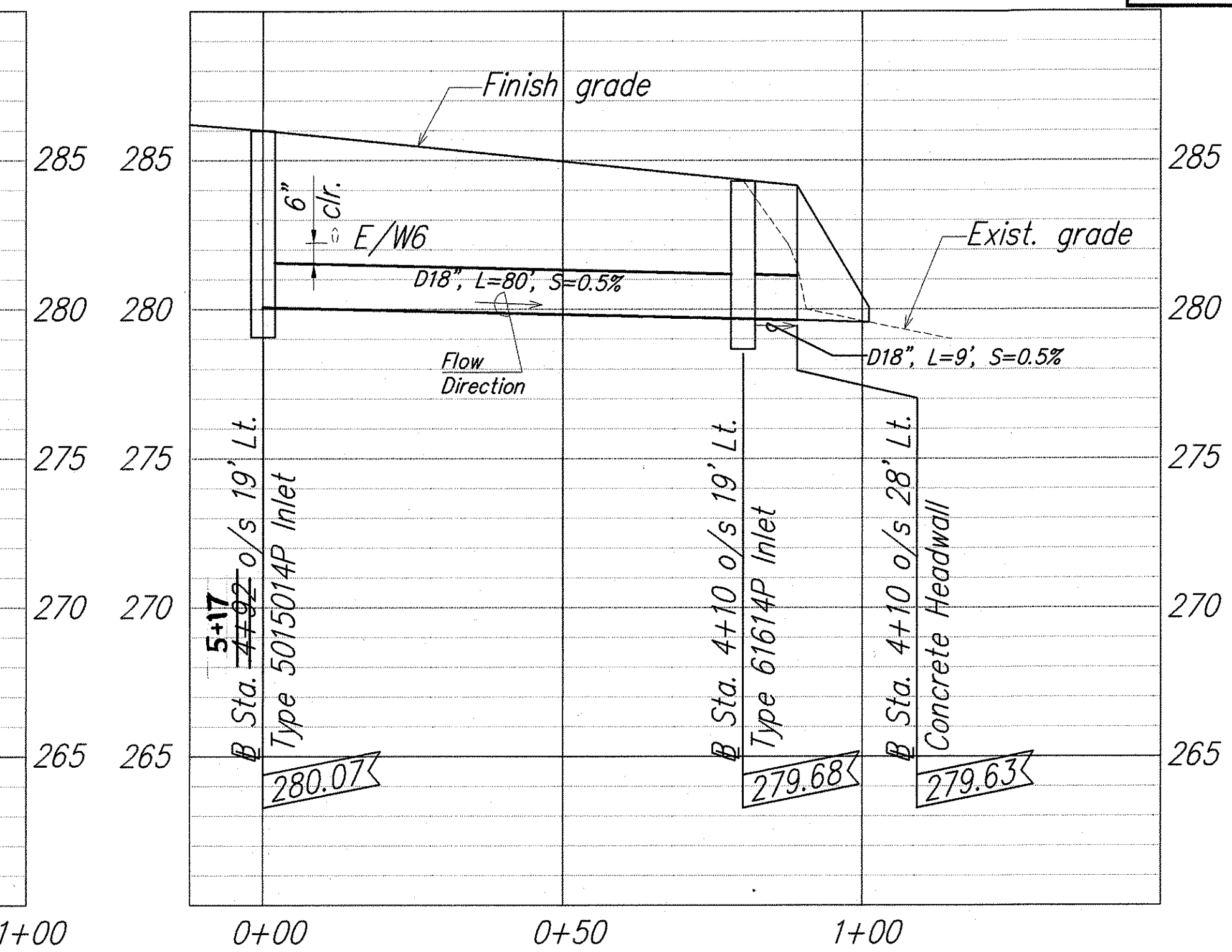
PROFILE – DRAIN LINE A

Scale: Horiz.: 1" = 20'
Vert.: 1" = 4'



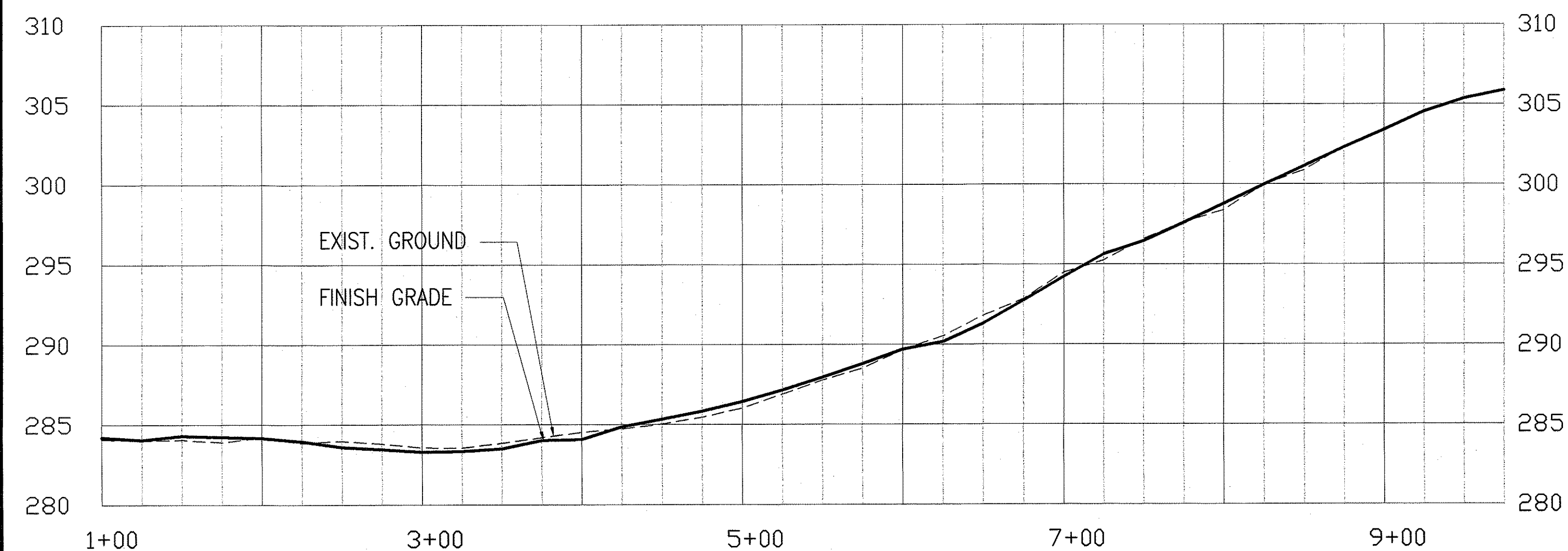
PROFILE – DRAIN LINE B

Scale: Horiz.: 1" = 20'
Vert.: 1" = 4'



PROFILE – DRAIN LINE C

Scale: Horiz.: 1" = 20'
Vert.: 1" = 4'



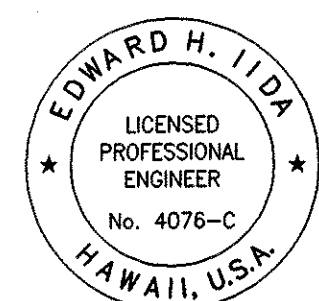
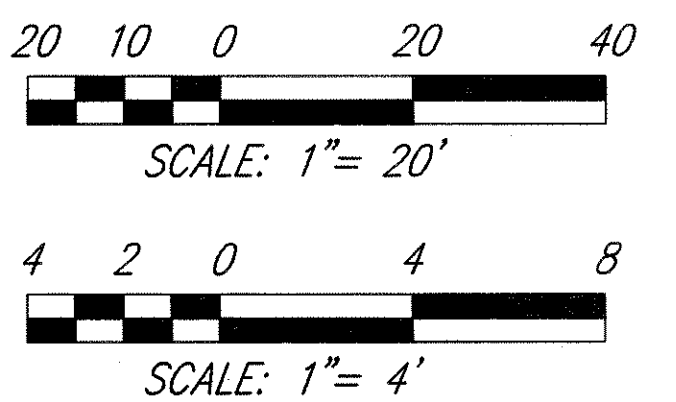
**Mamalahoa Highway
Base Line Profile**

Scale: Horiz.: 1" = 60'
Vert.: 1" = 6'

ESTIMATED QUANTITIES

ITEM NO.	ITEM	QTY.	UNIT
206.2020	Structure Excavation for 18-Inch Drainline	82	Cu Yd
503.1000	Concrete Headwall	L.S.	L.S.
603.2000	Bed Course Material For Culvert	37	Cu Yd
603.6500	18-Inch Reinforced Concrete Pipe, Class III, or 18-Inch High Density Polyethylene Pipe, Type S	218 169	Lin Ft
603.8500	Trench Drain	26	Lin Ft
604.0371	Type 61614P Inlet, 2.00 foot to 4.99 feet	5 5	Each
604.0372	Type 61614P Inlet, 5.00 foot to 5.99 feet	1	Each
604.0375	Type I Inlet, 9.00 foot to 9.99 feet	1	Each

GRAPHIC SCALE:



**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DRAINLINE PROFILES**

**AKAKA FALLS ROAD RESURFACING
Hawaii Belt Road to Honoumuli Town
Project No. 220A-01-03M**

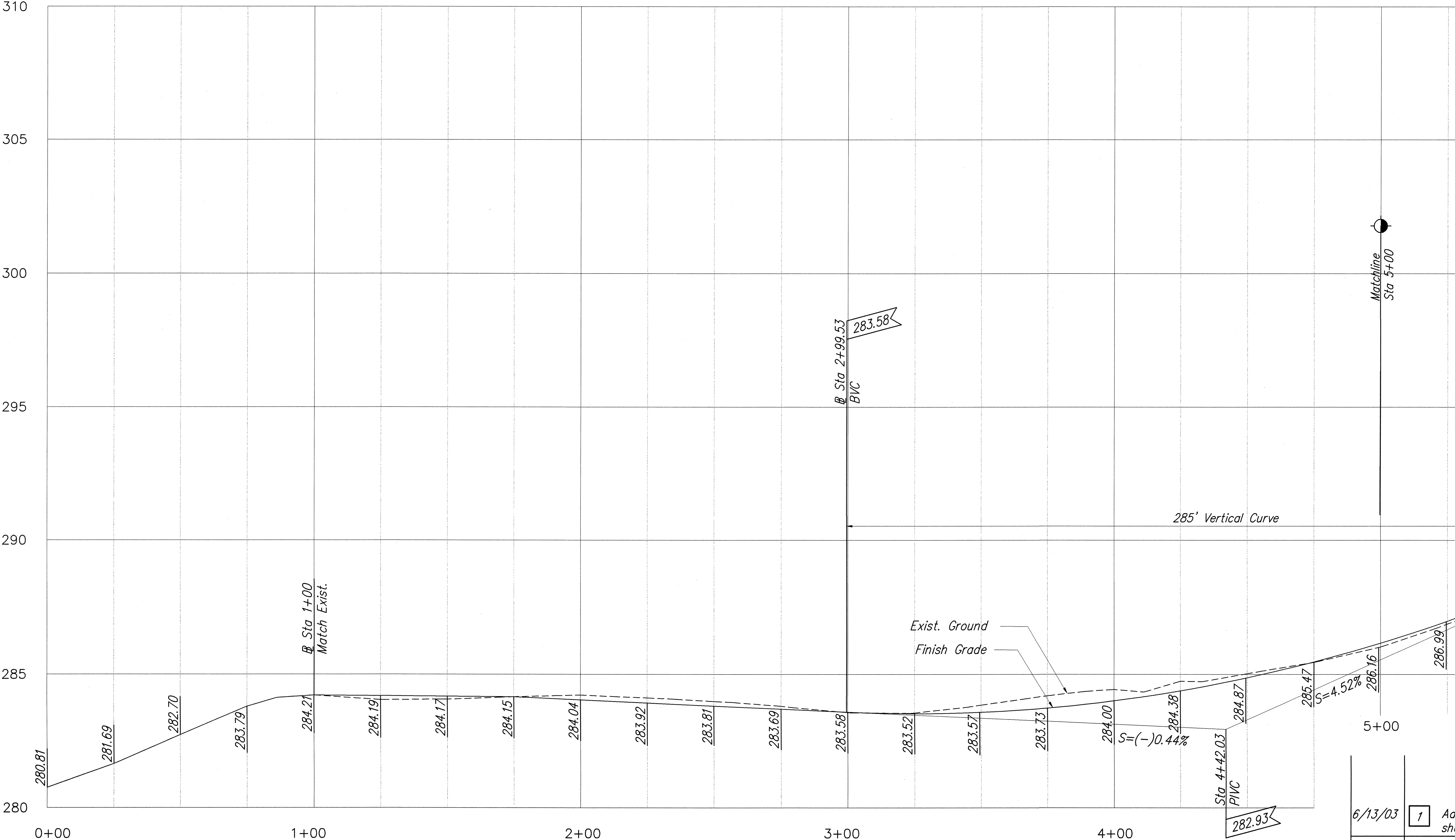
Scale: As Noted Date: April 2003

SHEET No. 1 OF 1 SHEETS

"AS-BUILT"

26

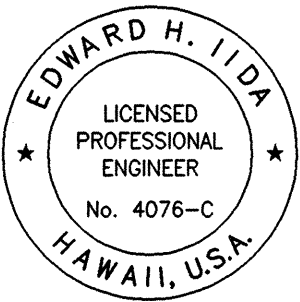
ROAD DIST. NO.	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	220A-01-03M	2003	38	37



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

1 Base Line Profile Sta. 0+00 to 5+00

Scale: Horiz.: 1" = 20'
Vert.: 1" = 2'



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

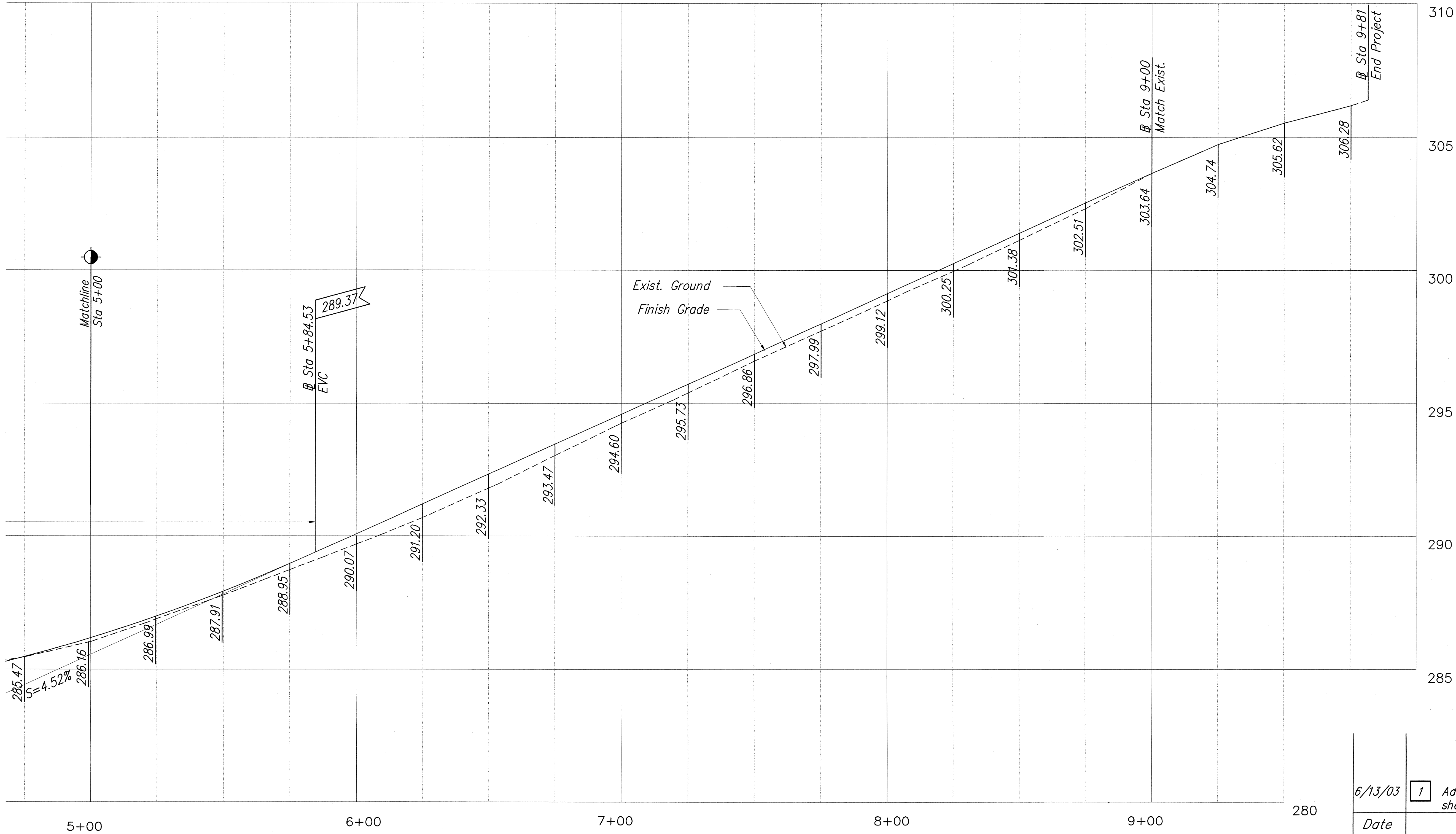
Edward H. Iida

EDWARD H. IIDA
LICENSED PROFESSIONAL ENGINEER
No. 4076-C
HAWAII, U.S.A.

MITSUNAGA & ASSOCIATES

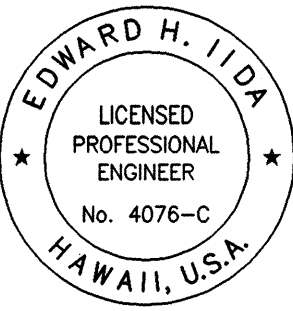
6/13/03	1	Added Mamalahoa Highway profile sheets
Date	Revision	
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <u>MAMALAHOA HWY - BASE LINE</u> <u>PROFILE STA 0+00 TO 5+00</u> <u>AKAKA FALLS ROAD RESURFACING</u> <u>Hawaii Belt Road to Honoumuli Town</u> <u>Project No. 220A-01-03M</u> Scale: As Noted Date: April 2003 SHEET No. 1 OF 2 SHEETS		

ROAD DIST. NO.	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	220A-01-03M	2003	39	37



1 Base Line Profile Sta. 5+00 to 9+81
 Scale: Horiz.: 1" = 20'
 Vert.: 1" = 2'

SURVEY PLOTTED BY	DATE
DRAWN BY	"
TRACED BY	"
CHECKED BY	"
NOTE BOOK	No.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
 Mitsunaga & Associates

6/13/03	1 Added Mamalahoa Highway profile sheets
Date	Revision

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
MAMALAHOA HWY - BASE LINE
PROFILE STA 5+00 TO 9+81
AKAKA FALLS ROAD RESURFACING
Hawaii Belt Road to Honomu Town
Project No. 220A-01-03M
 Scale: As Noted Date: April 2003