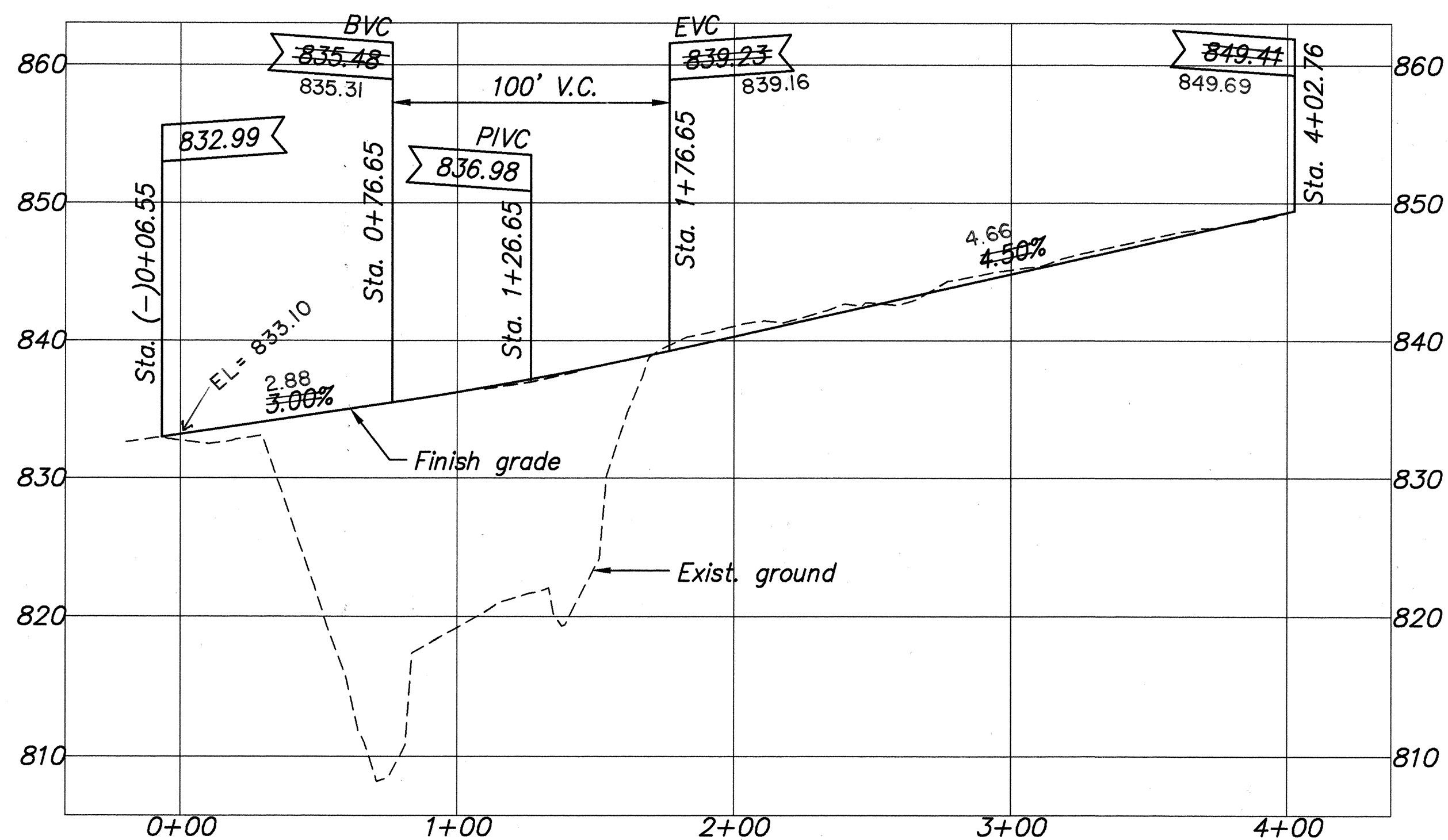
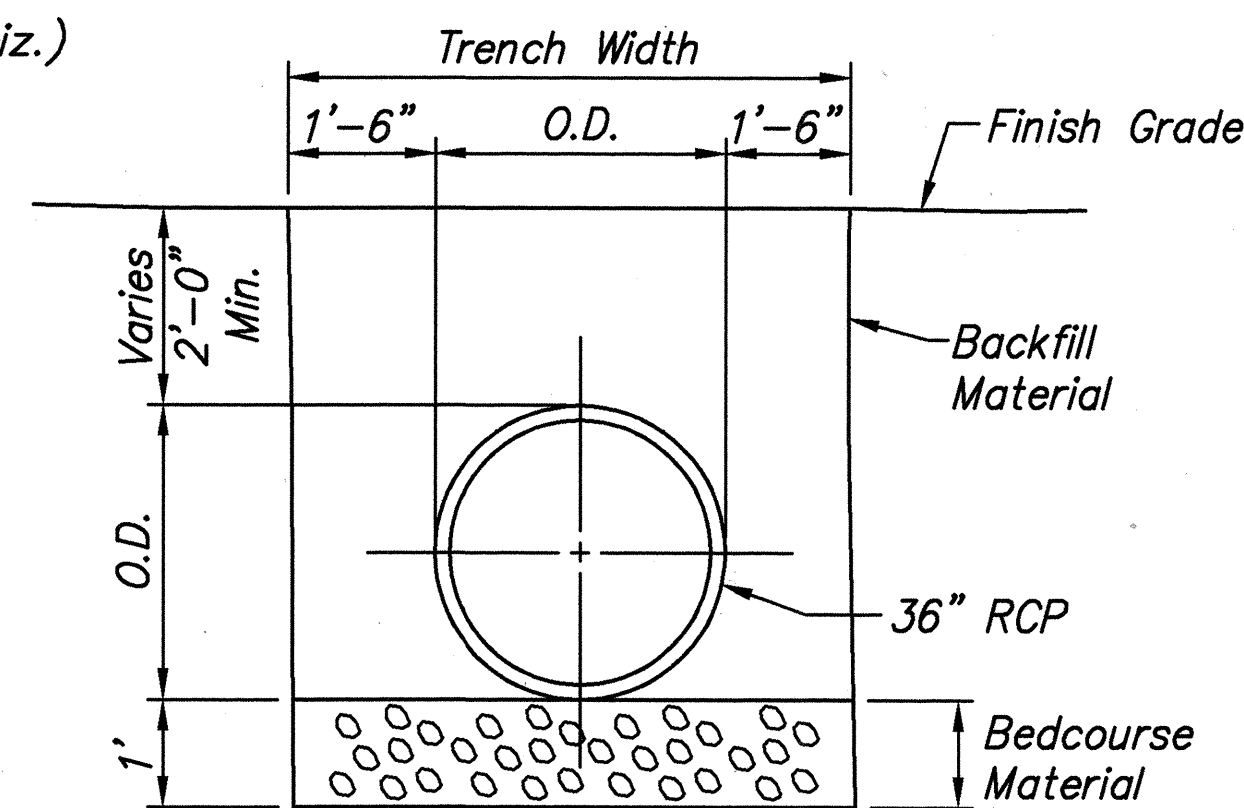


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-099-1(18)	1999	33	71



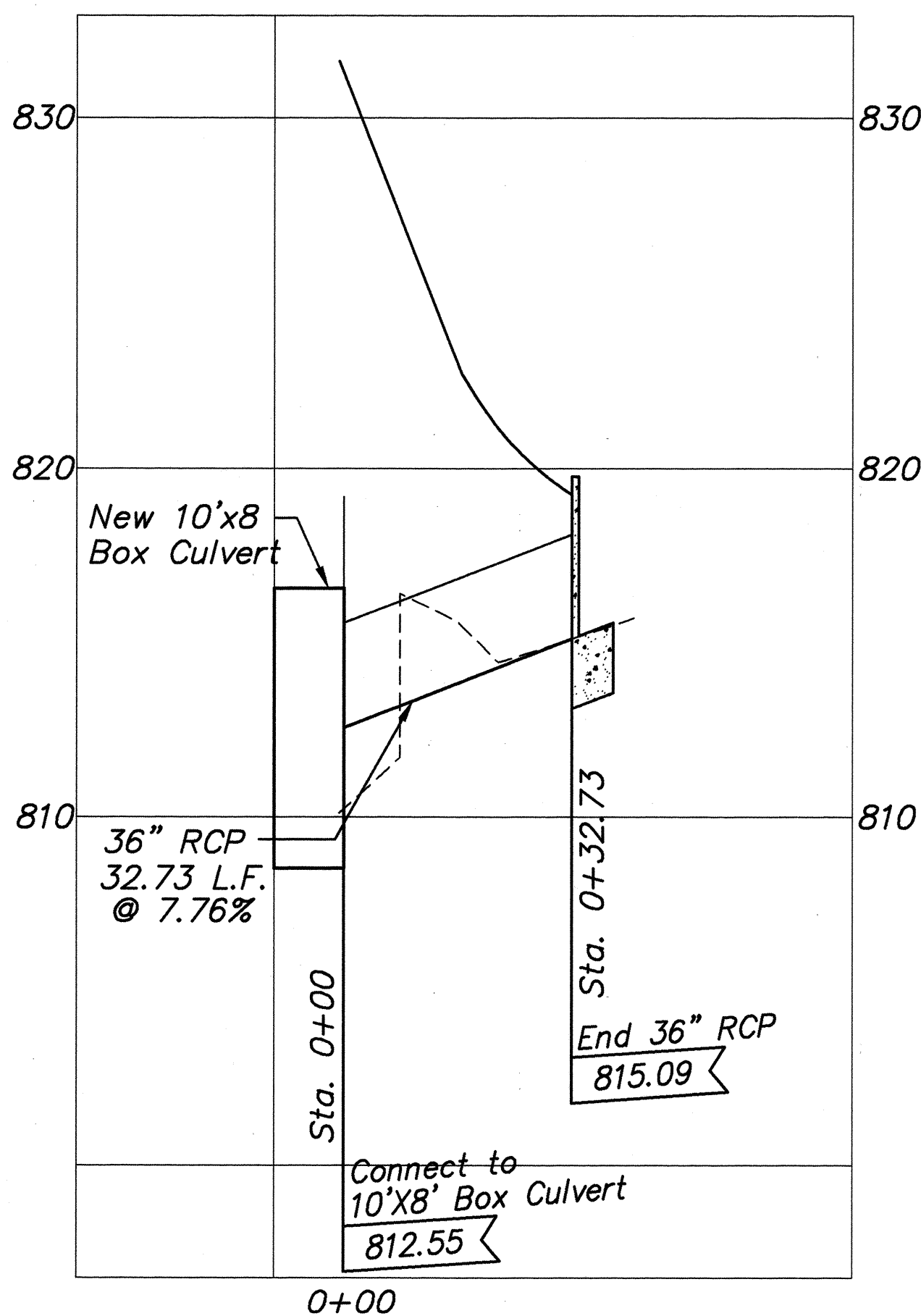
PROFILE ALONG B RAMP "A"

Scale: 1" = 40' (Horiz.)
1" = 8' (Vert.)



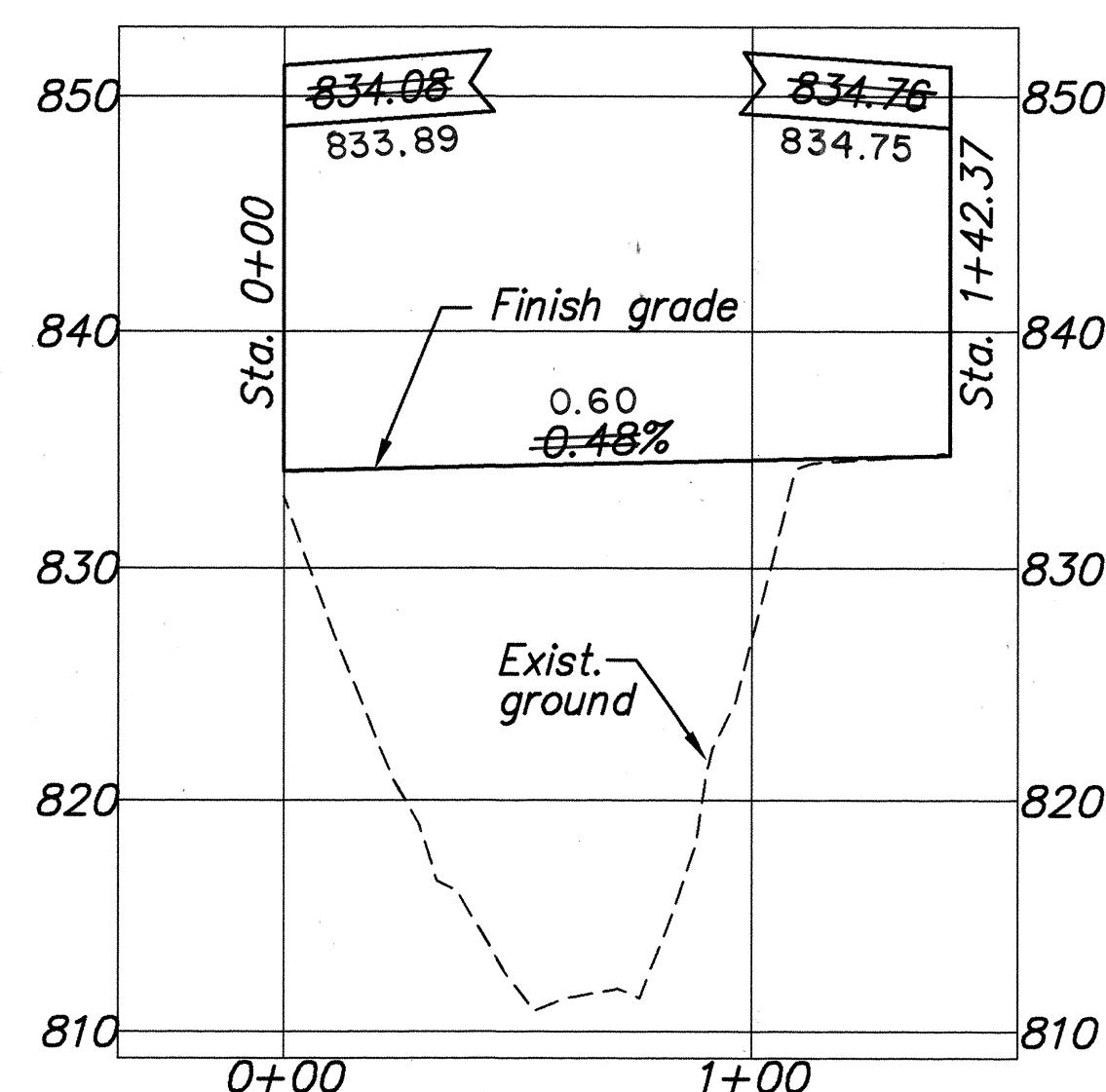
TYPICAL DETAIL OF CULVERT TRENCH RESTORATION

Not to Scale



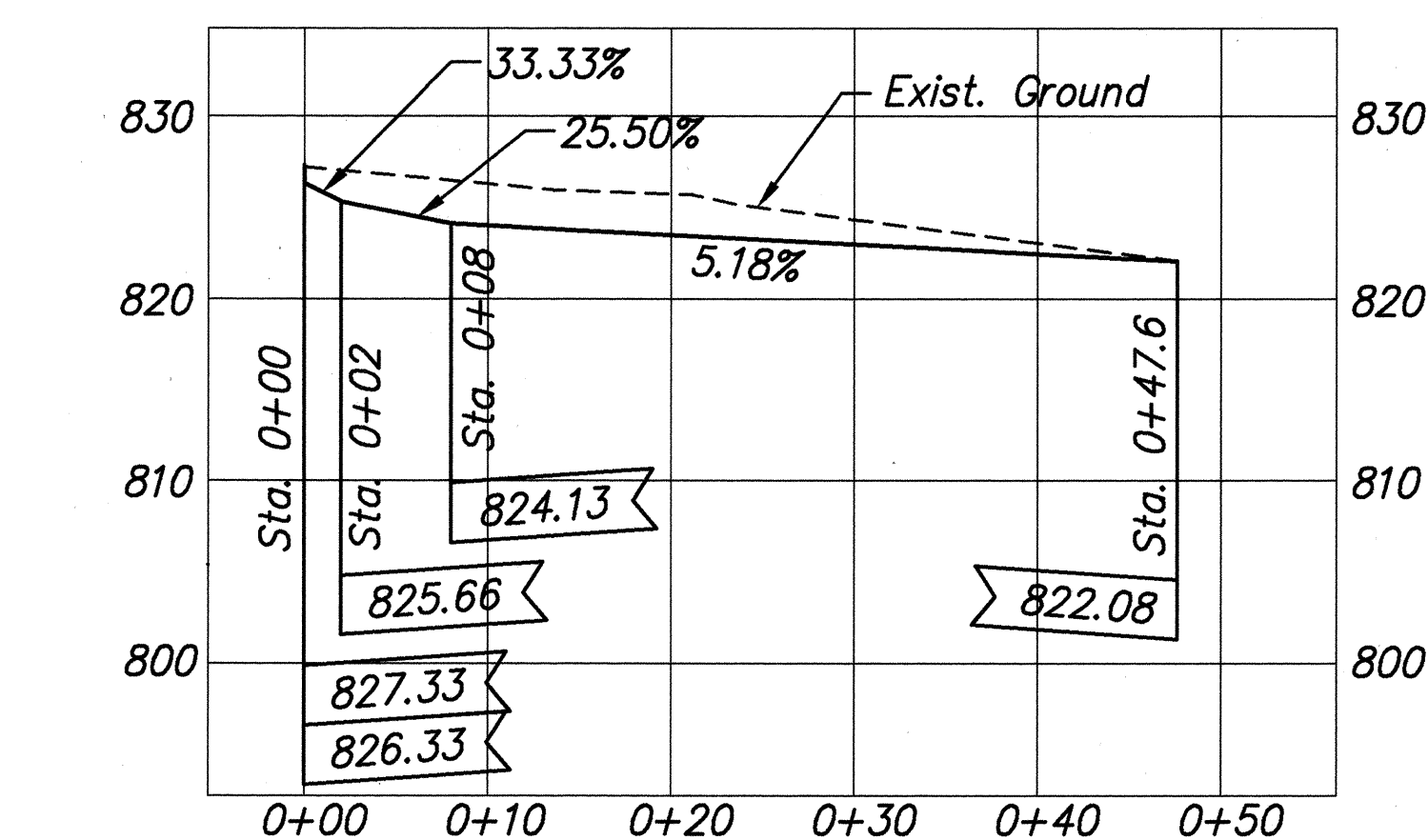
PROFILE ALONG 36" DRAIN

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



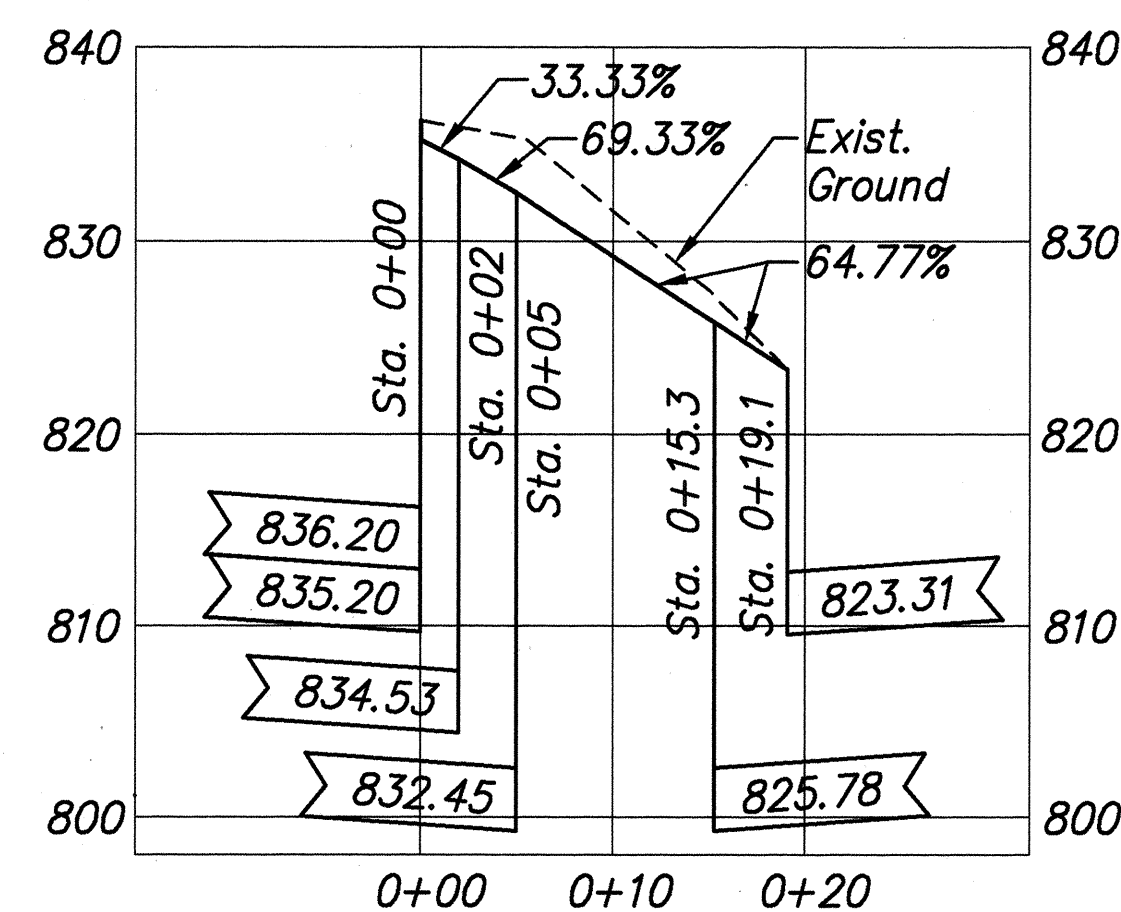
PROFILE ALONG B RAMP "B"

Scale: 1" = 40' (Horiz.)
1" = 8' (Vert.)



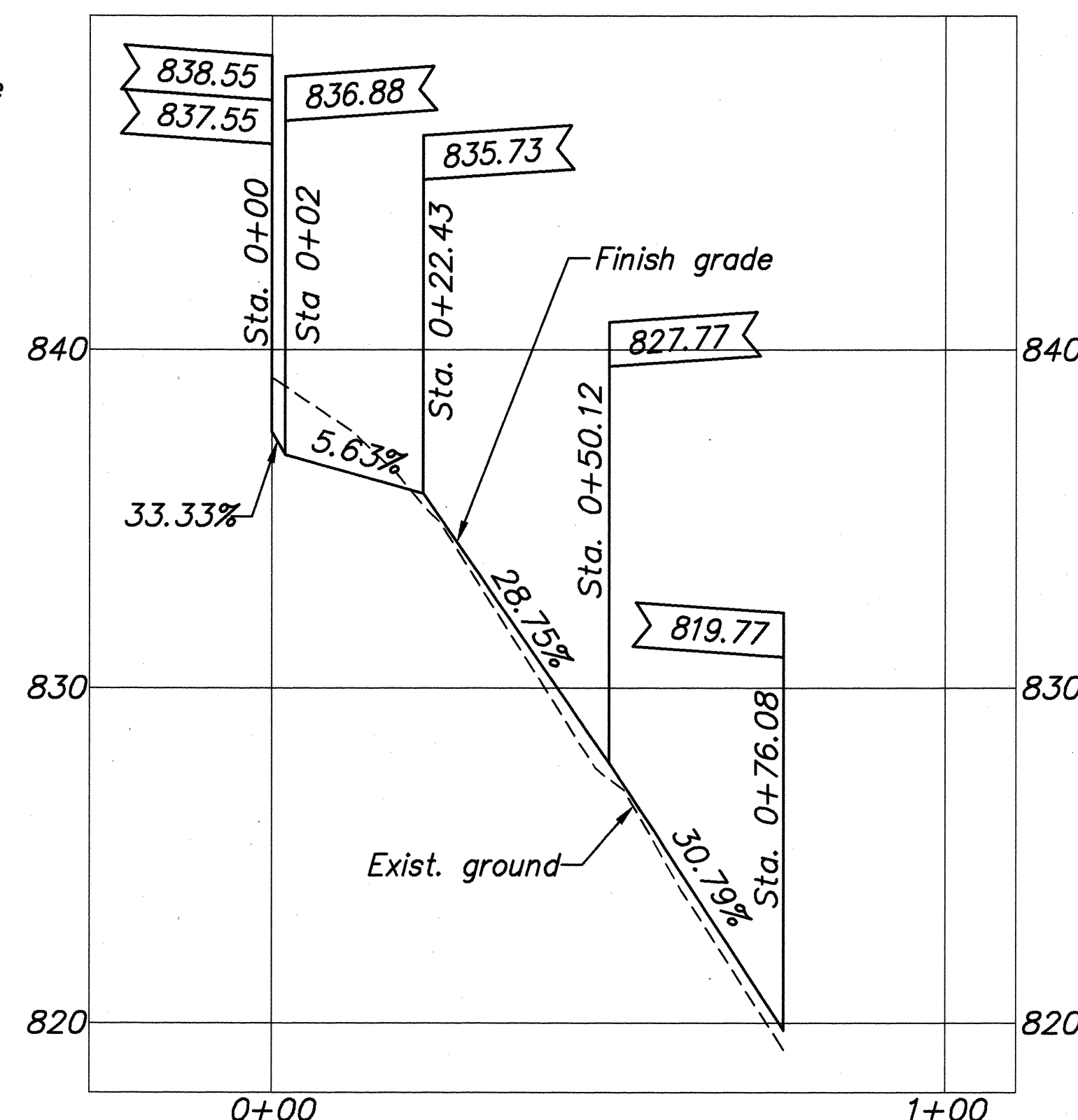
PROFILE ALONG GRP SWALE NO. 1

Scale: 1" = 10'



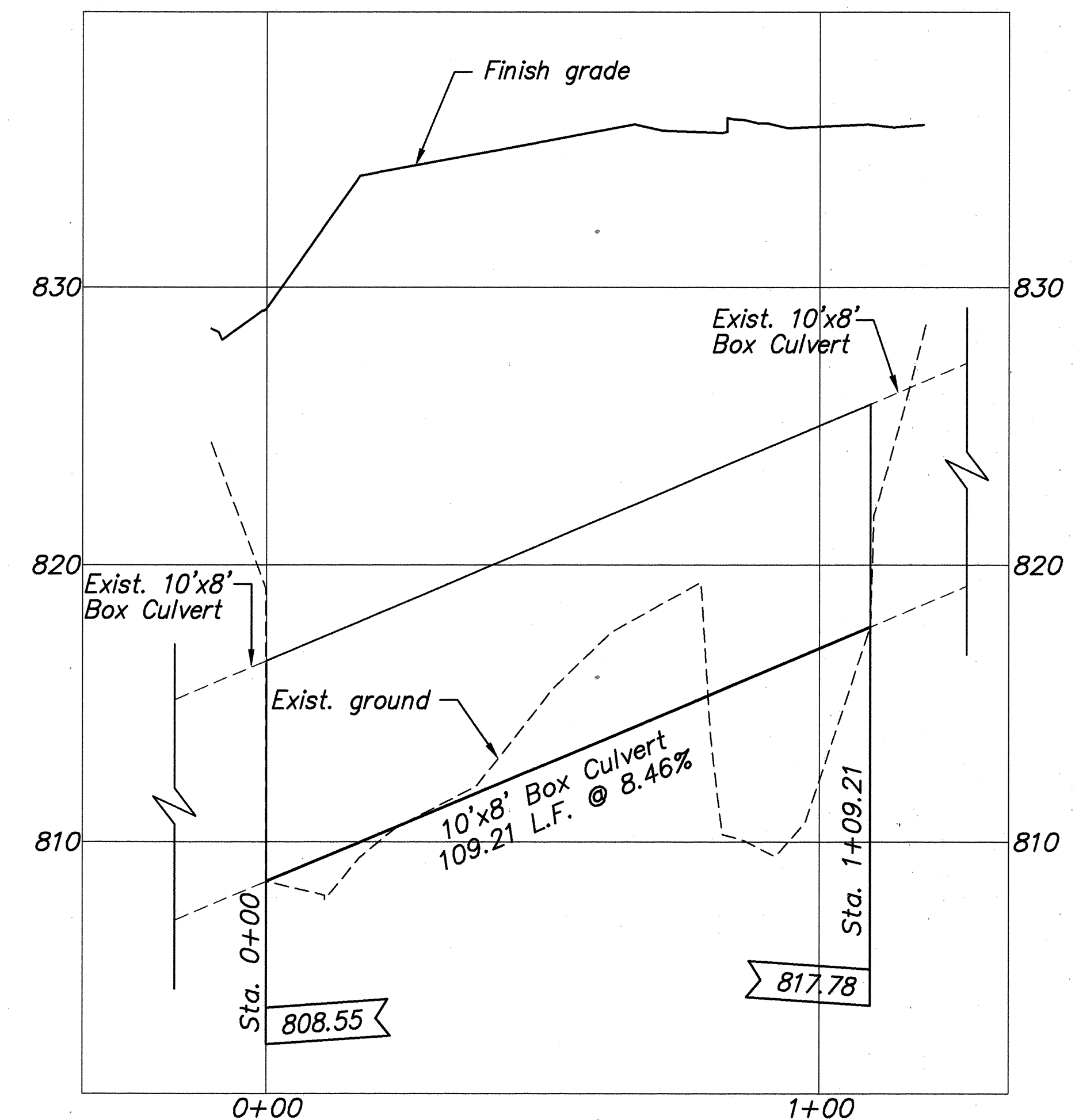
PROFILE ALONG GRP SWALE NO. 2

Scale: 1" = 10'



PROFILE ALONG GRP SWALE NO. 3

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

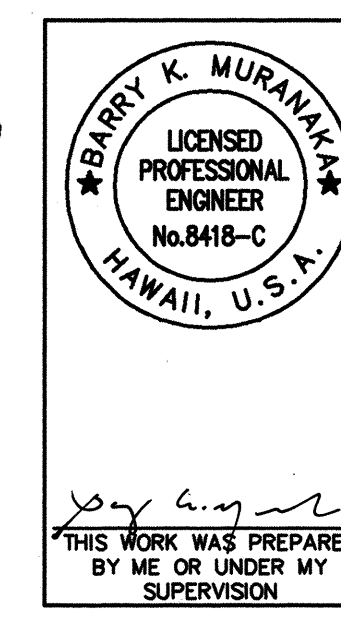
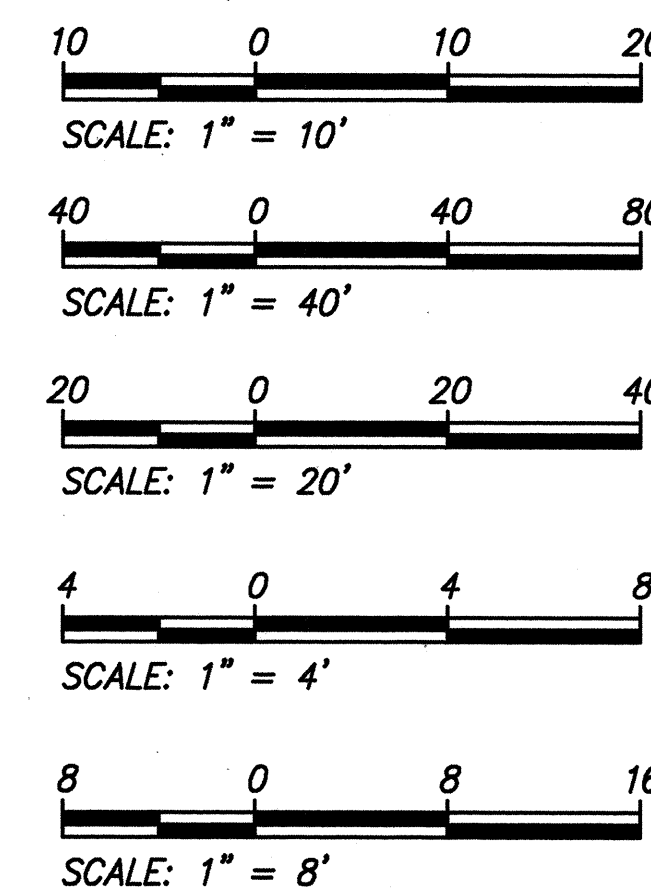


PROFILE ALONG BOX CULVERT

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

APPROVED:

M. J. [Signature] 7/6/99
Chief, Civil Engineering Branch, D.P.P. SN Date



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS PROFILES

WILIKINA DR. INTERSECTION IMPROVEMENTS
AT KAMANANUI ROAD
Federal Aid Project No. STP-099-1(18)

Scale: As shown Date: June 1999

SHEET NO. 1 OF 1 SHEETS