

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19J-02-75 UNIT 1	1979	3	42

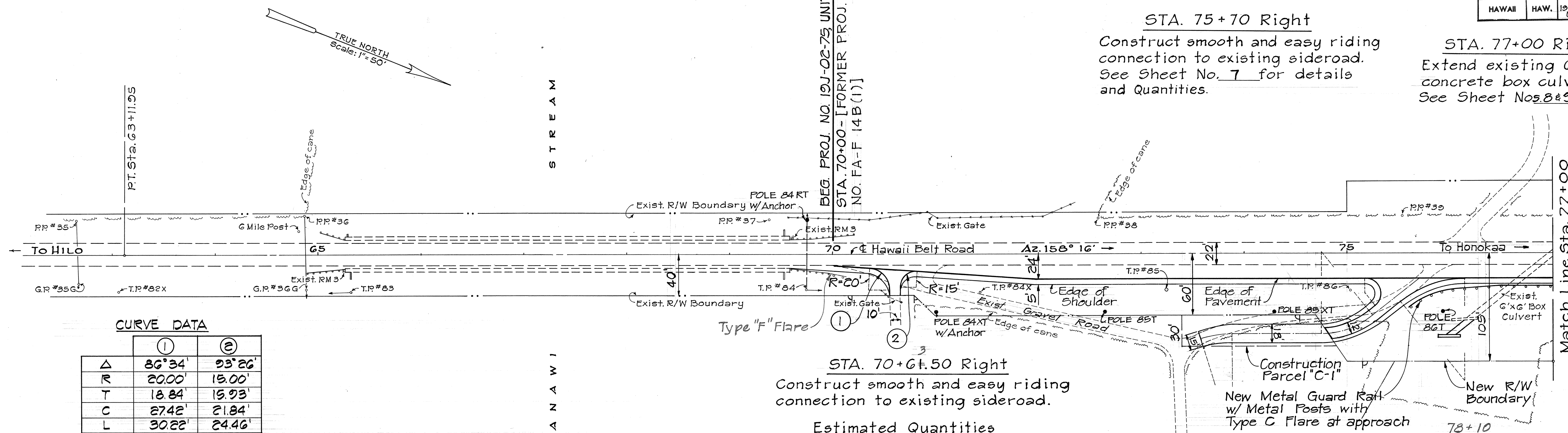
STA. 75+70 Right

Construct smooth and easy riding connection to existing sideroad.
See Sheet No. 7 for details and Quantities.

STA. 77+00 Right

Extend existing 6'x6' concrete box culvert 33 Lin. Ft.
See Sheet Nos. 8 & 9 for details.

BEG. PROJ. NO. 19J-02-75, UNIT 1
STA. 70+00 - [FORMER PROJ.
NO. FA-F 14B(1)]



CURVE DATA

	①	②
Δ	86°34'	93°26'
R	20.00'	15.00'
T	18.84'	15.93'
C	27.42'	21.84'
L	30.22'	24.46'

T.M.K. 2-7-09:23
Mauna Kea Sugar Co., Inc.

STA. 70+64.50 Right
Construct smooth and easy riding connection to existing sideroad.

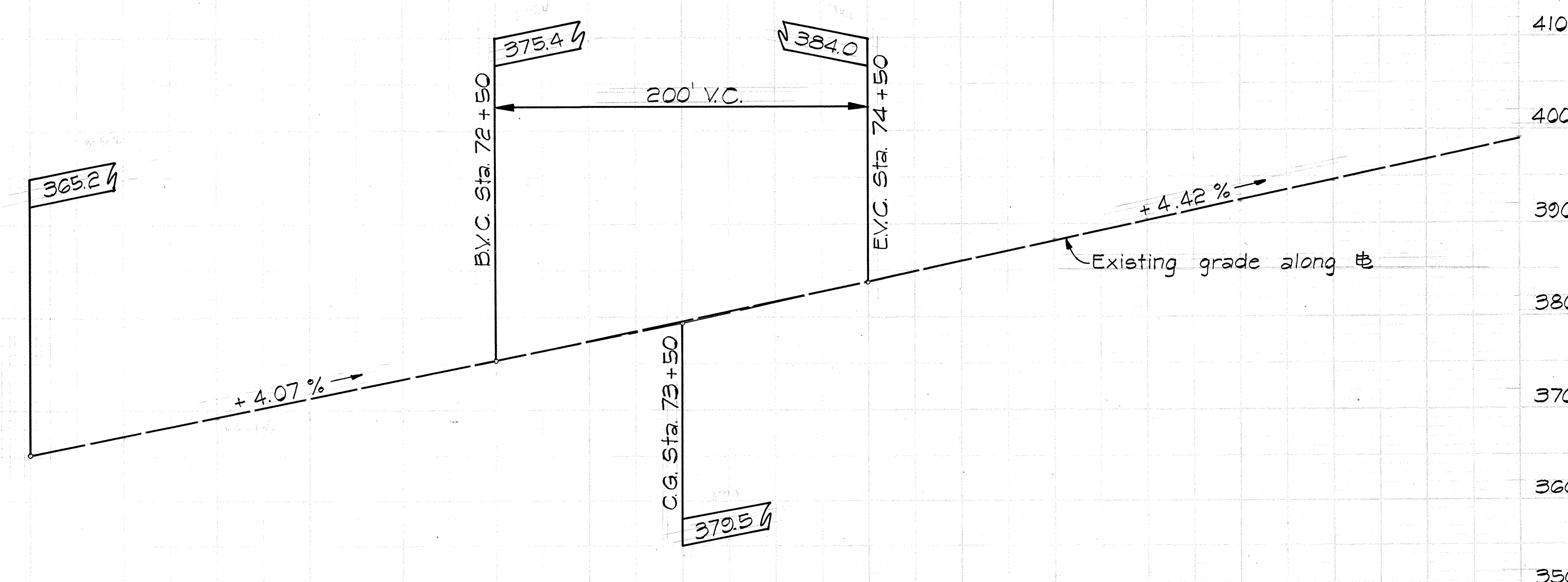
Estimated Quantities

Excavation	71 CY	Prime Cost	16 Gal.
Aggregate Subbase	40 CY	A.C. Pavement, Mix III	6 Tons
Aggregate Base	12 CY	A.C. Pavement, Mix V	5 Tons

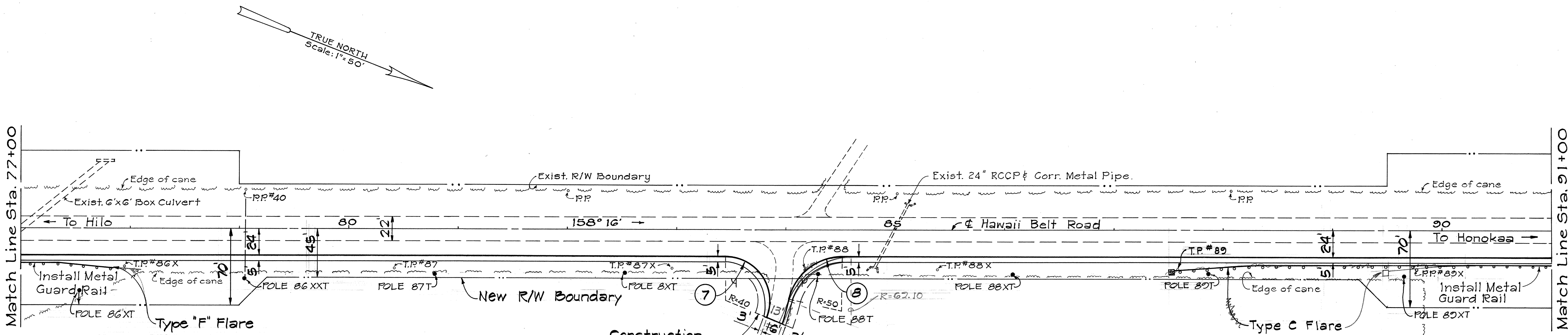
T.M.K. 2-7-09:20
Chong C. Akana

STA. 75+60 to STA. 77+85 Right
Install 225 Lin. Ft. of Metal Guard Rail w/Steel Posts.

T.M.K. 2-7-09:22
Mauna Kea Sugar Co., Inc.



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19J-02-75 UNIT I	1979	4	42



CURVE DATA

	⑦	⑧	
Δ	102°30'	77°30'	
R	40.00'	50.00'	62.10'
T	49.84'	40.13'	49.84'
C	62.39'	62.59'	77.74'
L	71.56'	67.63'	83.90'

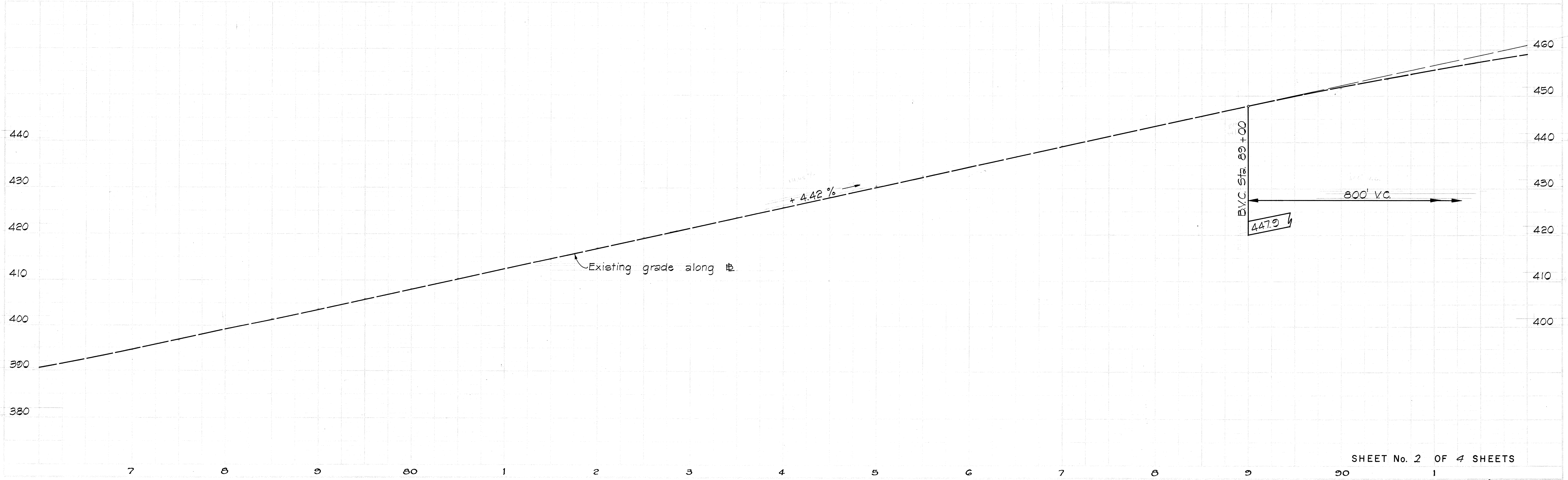
T.M.K. E-7-09:22
Mauna Kea Sugar Co., Inc.

STA. 83+98 Right
Construct smooth and easy riding
connection to existing sideroad.

Estimated Quantities

Excavation	119 C.Y.
Aggregate Subbase	154 C.Y.
Aggregate Base	46 C.Y.
Prime Coat	72 Gal.
A.C. Pavement, Mix III	25 Tons
A.C. Pavement, Mix V	21 Tons

89 91+65
STA. 87+50 to STA. 92+00 Right
Install 450 Lin. Ft. of Metal
Guard Rail w/Steel Posts.



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19J-02-75 UNIT 1	1979	5	42

CURVE DATA

	⑨	⑩	
Δ	23°15'	86°45'	33.60'
R	30.00'	50.00'	33.75'
T	31.75'	47.24'	46.15'
C	43.61'	63.63'	54.68'
L	48.83'	79.70'	

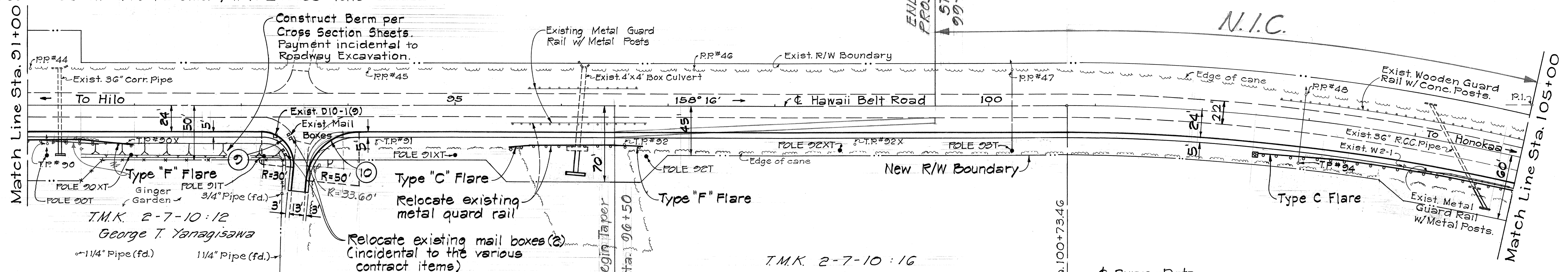
STA. 93+57 Right
Construct smooth and easy riding connection to existing sideroad.

STA. 96+18 Right
Extend existing 4'x4' Conc. Box Culvert 22 Lin. Ft.
See Sheet No. 10 for details.

STA. 104+35 Right
Extend existing 36" Circ. Conc. Pipe Culvert 26 Lin. Ft.
See Sheet No. 11 for details.

Estimated Quantities

Excavation	171 CY	Prime Coat	78 Gals.
Aggregate Subbase	166 CY	A.C. Pavement, Mix III	27 Tons
Aggregate Base	50 CY	A.C. Pavement, Mix V	23 Tons



STA. 91+30 Right
Extend existing 36" Corr. Metal Pipe Culvert 15 Lin. Ft.
See Sheet No. 11 for details.

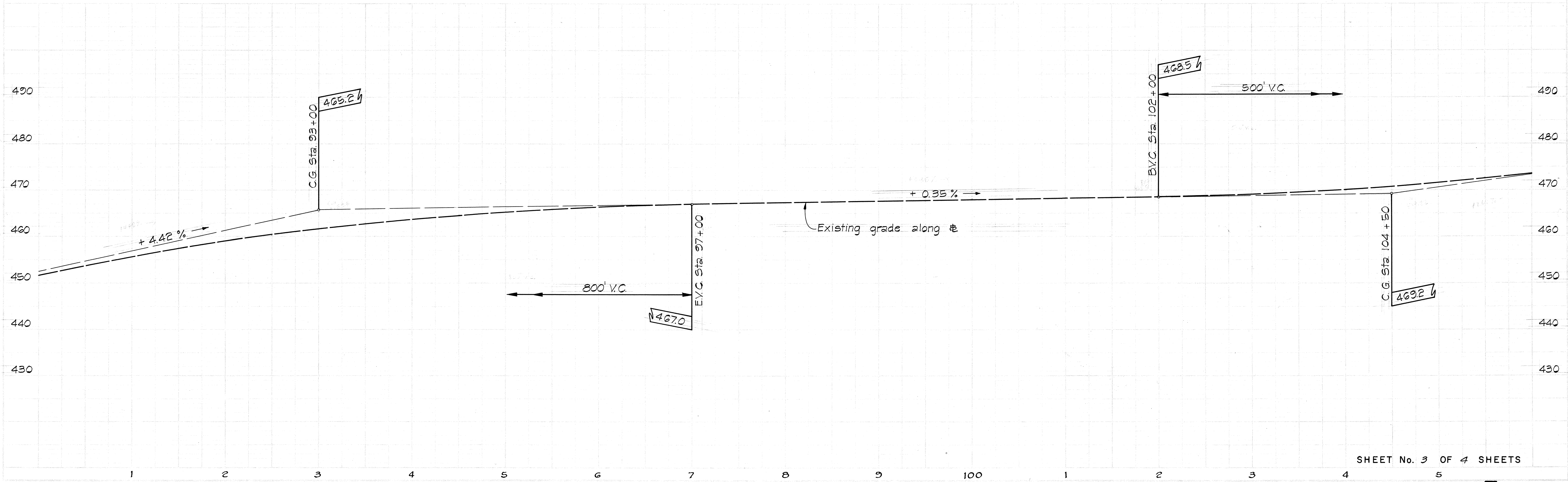
STA. 91+50 to STA. 93+50 RIGHT
Construct 225 Lin. Ft. of Woven Wire Fence w/Steel Posts.
See Sheet No. 6 for details.

STA. 95+50 to STA. 96+15 Right
Reconstruct 125 Lin. Ft. of exist. Metal Guard Rail w/Steel Posts.

STA. 102+50 to STA. 105+50 Right
Reconstruct 625 Lin. Ft. of exist. Metal Guard Rail w/Steel Posts and Install 2125 Lin. Ft. of New Metal Guard Rail w/Steel Posts.

Curve Data

Δ	25° 40'
D	3° 00'
R	1909.86'
T	435.08'
Lc	855.56'



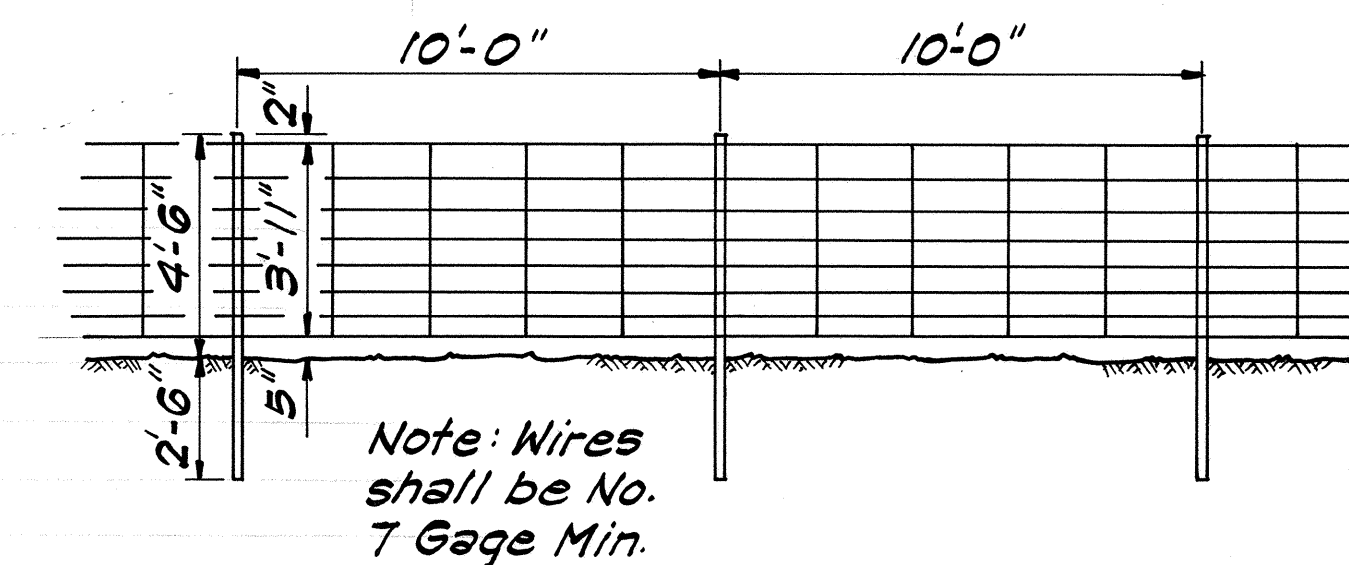
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19J-02-75 UNIT I	1979	6	42

GUARD RAIL SCHEDULE

STATION LIMITS (RIGHT SIDE)	LENGTH (LIN. FT.)	TERMINAL FLARE APPROACH	TRAILING
75+60-77+85	225.0	C	F
87+50-92+00	450.0	C	F
102+50-103+75	125.0	C	
104+37.5-105+50	87.5		B.C.T.

RECONSTRUCTED GUARD RAIL

95+50-96+75	125.0	C	F
103+75-104+37.5	62.5		

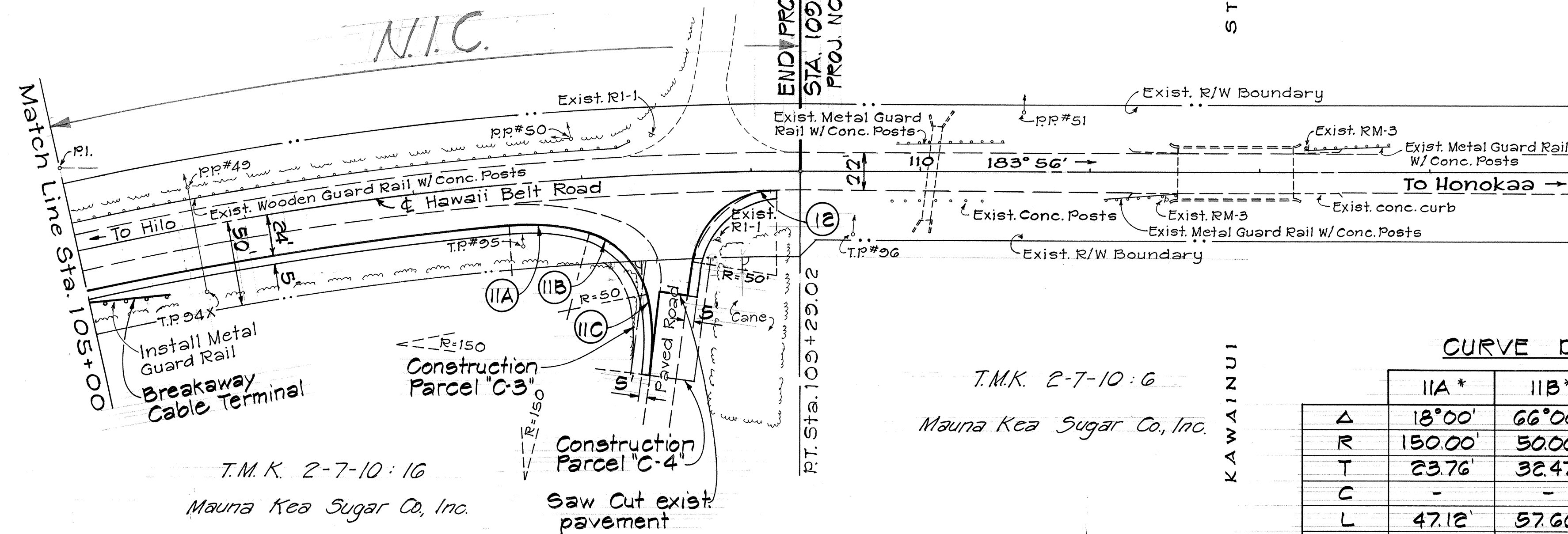


DETAIL OF WOVEN WIRE FENCE
Scale: 1/4" = 1'-0"

STA. 108+62 Right
Construct smooth and easy riding connection to existing sideroad.

Estimated Quantities

Excavation	193 C.Y.	A.C. Pavement, Mix III	61 Tons
Aggregate Subbase	370 C.Y.	A.C. Pavement, Mix V	52 Tons
Aggregate Base	110 C.Y.		
Prime Coat	171 Gals		



CURVE DATA

	11A*	11B*	11C*	12
Δ	18°00'	66°00'	18°00'	80°30'
R	150.00'	50.00'	150.00'	50.00'
T	23.76'	32.47'	23.76'	42.33'
C	-	-	-	64.61'
L	47.12'	57.60'	47.12'	70.25'
TC		98.69'		-
LC		124.22'		-

* Three Centered Curve 150°-50°-150°

