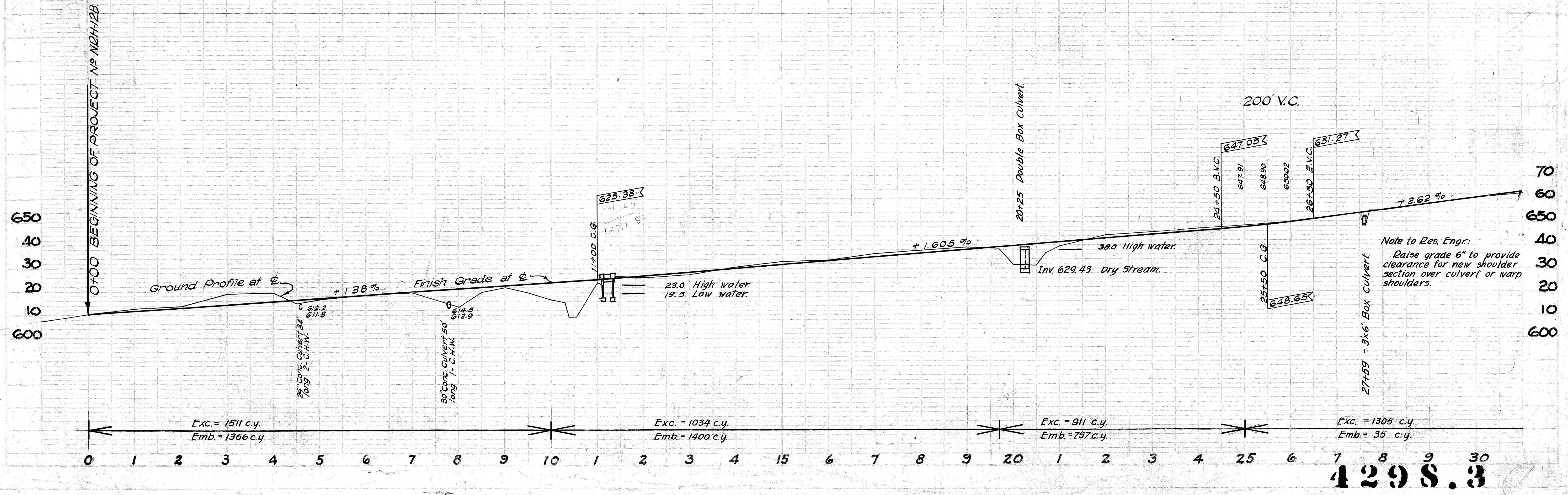
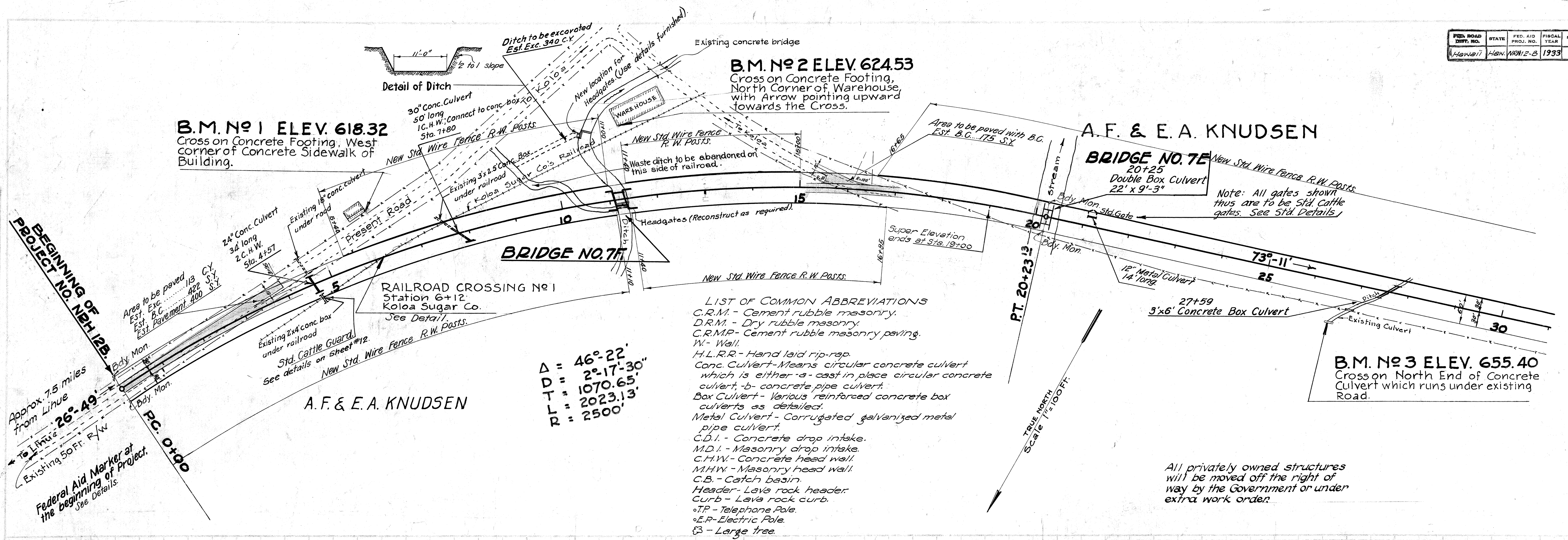
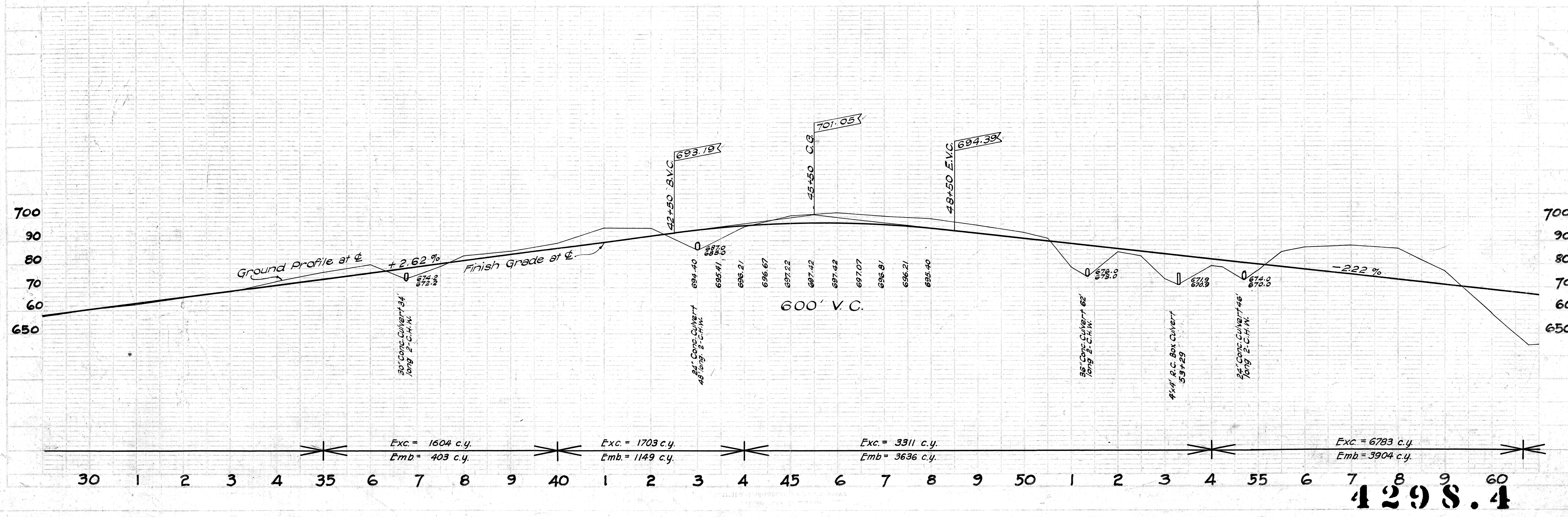
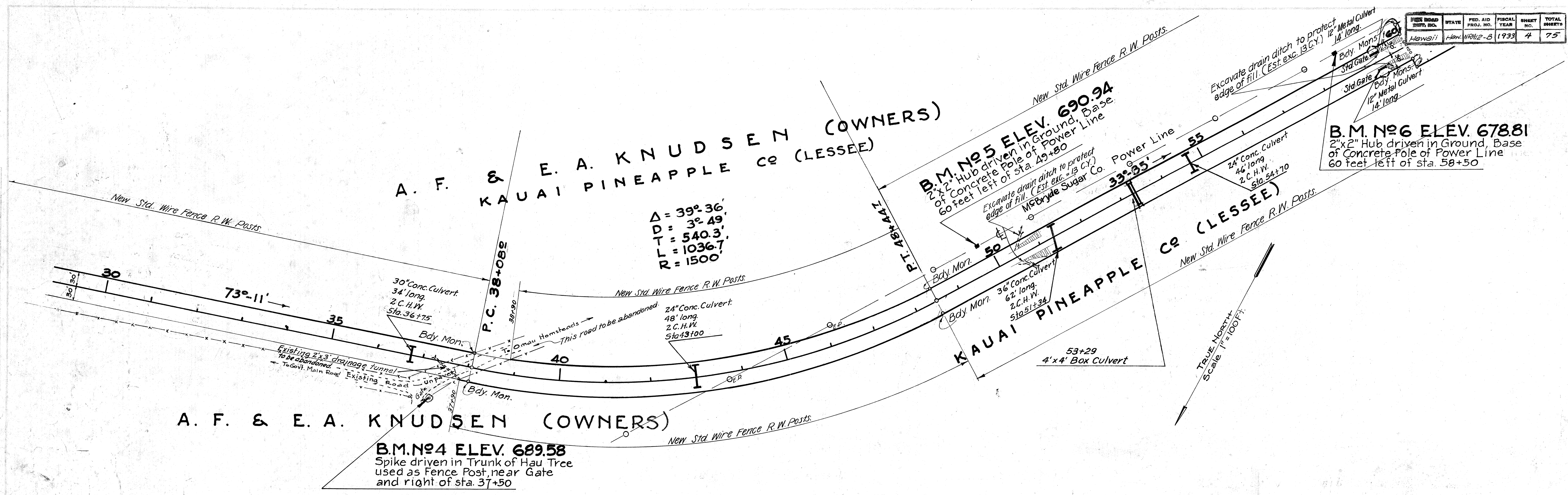




DESIGN	STATE	FED. AID	FISCAL	SHEET	TOTAL
ROAD	NO.	PROJ. NO.	YEAR	NO.	SHEETS
1933	1	1933	1933	4	75

PLAN
 1. LOCATION
 2. RIGHT-OF-WAY
 3. EXISTING ROAD
 4. PROPOSED ROAD
 5. ADJACENT LANDS
 6. ELEVATIONS
 7. DISTANCES
 8. CURVES
 9. GRADES
 10. DRAINAGE
 11. UTILITIES
 12. NOTES

PROFILE
 1. GROUND PROFILE
 2. FINISH GRADE
 3. ELEVATIONS
 4. DISTANCES
 5. CURVES
 6. GRADES
 7. DRAINAGE
 8. UTILITIES
 9. NOTES



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	WHP-2-B	1933	5	75

A. F. & E. A. KNUDSEN (OWNERS)
KAUAI PINEAPPLE CO. (LESSEE)

$\Delta = 13^{\circ}07'$
 $D = 2^{\circ}52'$
 $T = 229.93$
 $L = 457.86$
 $R = 2000$

$1" = 100'$
TRUE NORTH

BRIDGE NO. 7D.
60+89
Double Box Culvert

B.M. No 7 ELEV. 642.40
Top of Stake, driven in lowest
Hole in Concrete Pole of Power Line
makai of & between sta 68 & 69

BRIDGE NO. 7C.

Excavate drain ditch
across old road to protect
edge of fill. (Est. exc. 5 C.Y.)

OMAO STREAM

McBRYDE SUGAR CO.

SHORT CUT ROAD

Existing timber
bridge with
masonry abuts.

Excavate drain ditch to protect
edge of fill. (Est. exc. 16 C.Y.)

Excavate Drain (Est. exc. 22 C.Y.)

24" Conc. Culvert
34' long
1 C.D.I.; 1 C.H.W.
Sta. 85+50

Guard Rail 180' long

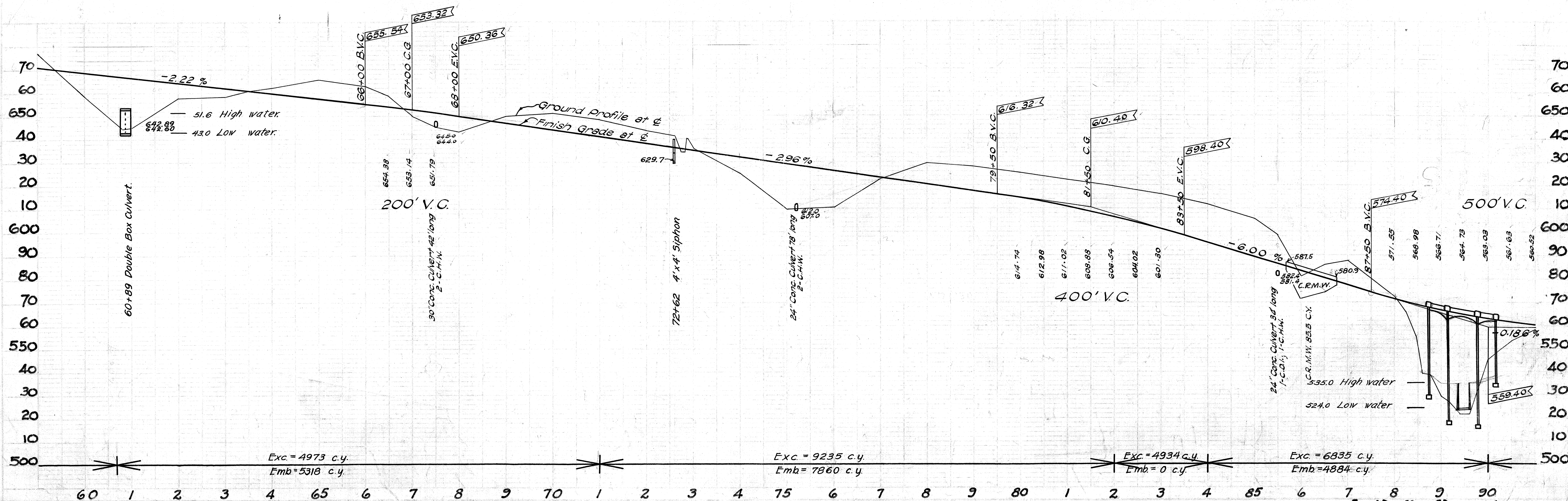
McBRYDE SUGAR CO.

Excavate drain ditch to protect
edge of fill. (Est. exc. 6 C.Y.)

B.M. No 8 ELEV. 618.07
2"x2" Hub driven in Ground, at Base
of Concrete Pole of Power Line,
about 200 feet mauka of sta. 85.

$\Delta = 9^{\circ}36'-30" R$
 $D = 1^{\circ}26'$
 $T = 336.18$
 $L = 670.78$
 $R = 4000$

A. F. & E. A. KNUDSEN (OWNERS)
KAUAI PINEAPPLE CO. (LESSEE)



4298.5

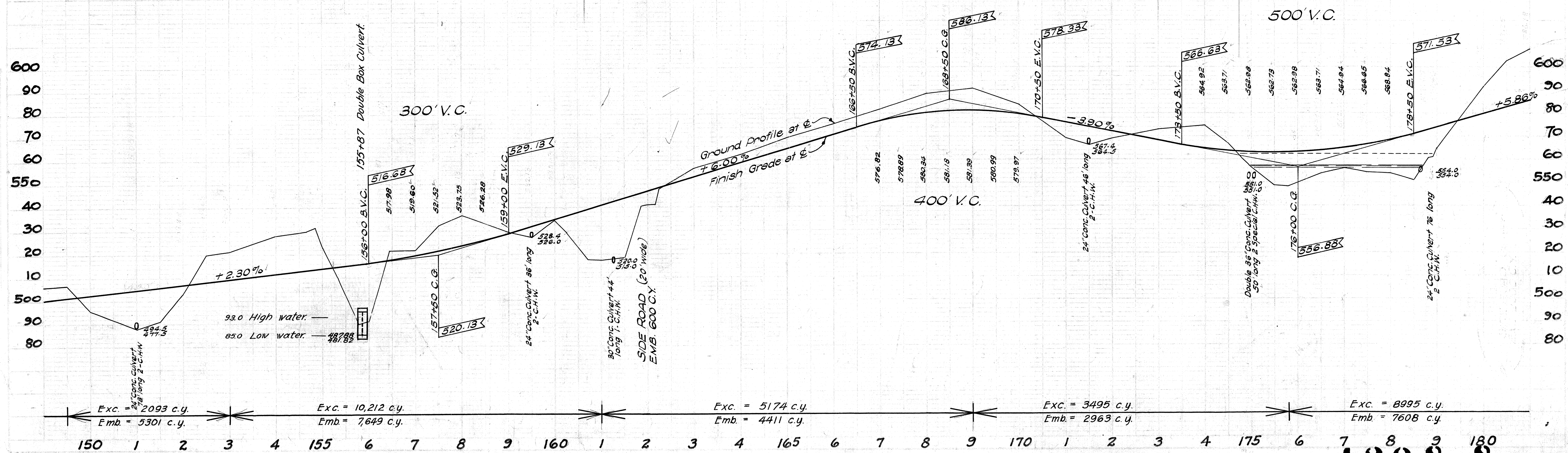
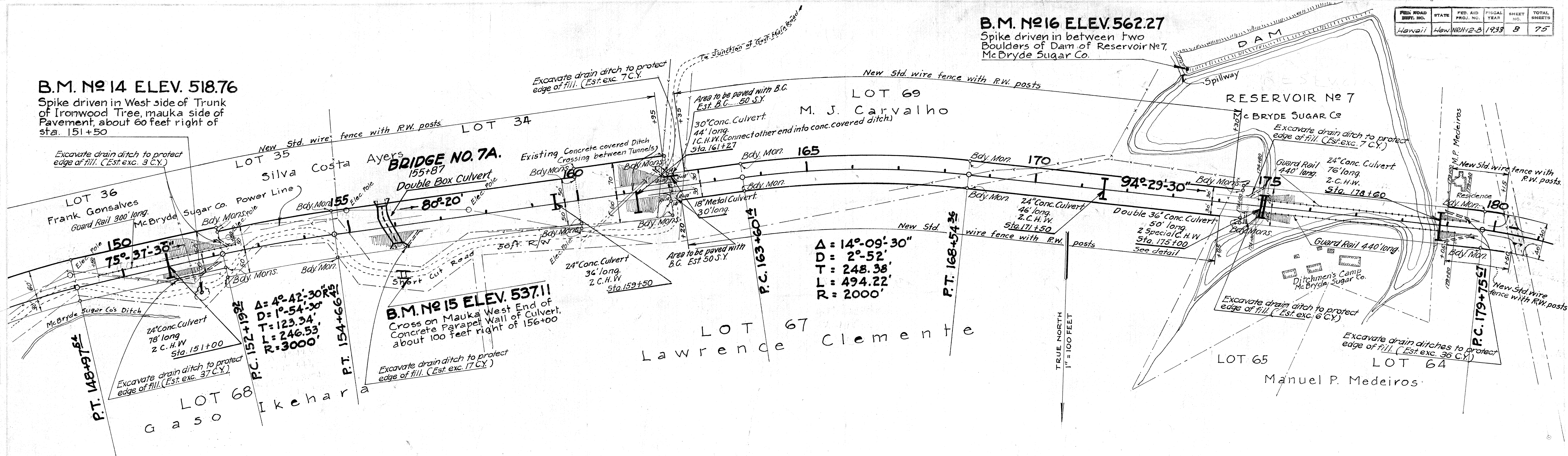
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	46W	NRH-2-B	1933	8	75

B.M. No 14 ELEV. 518.76

Spike driven in West side of Trunk of Ironwood Tree, mauka side of Pavement, about 60 feet right of sta. 151+50

B.M. No 16 ELEV. 562.27

Spike driven in between two Boulders of Dam of Reservoir No 7, McBryde Sugar Co.



4298.8

KALAHEO HOMESTEADS

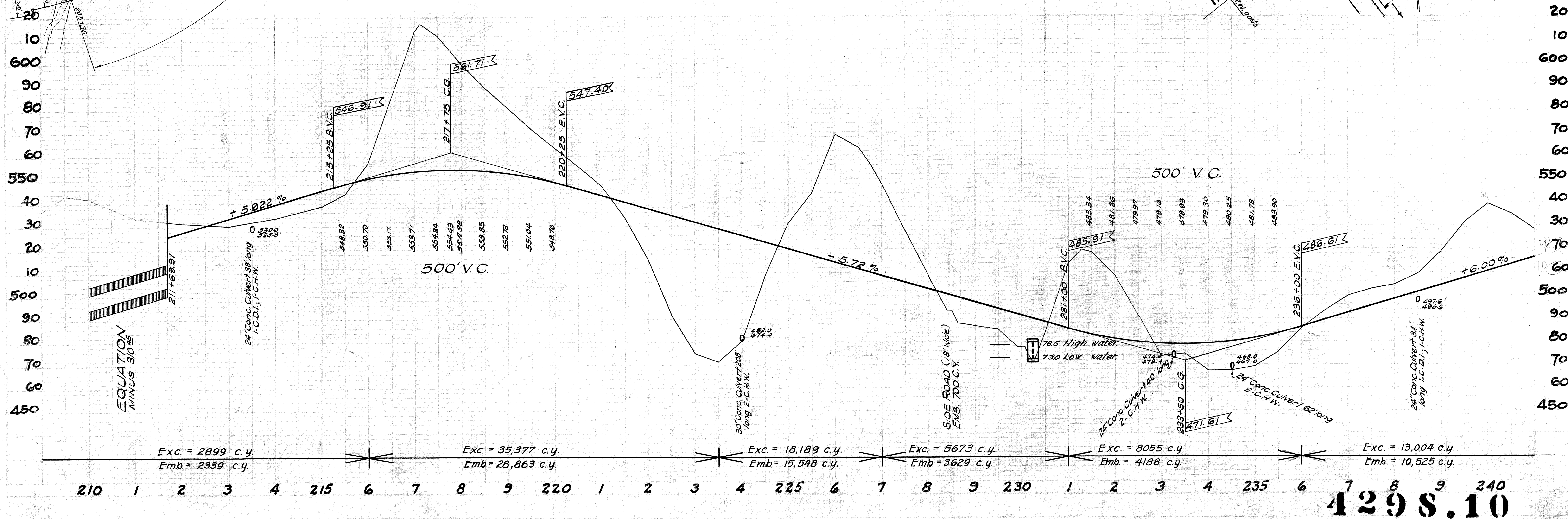
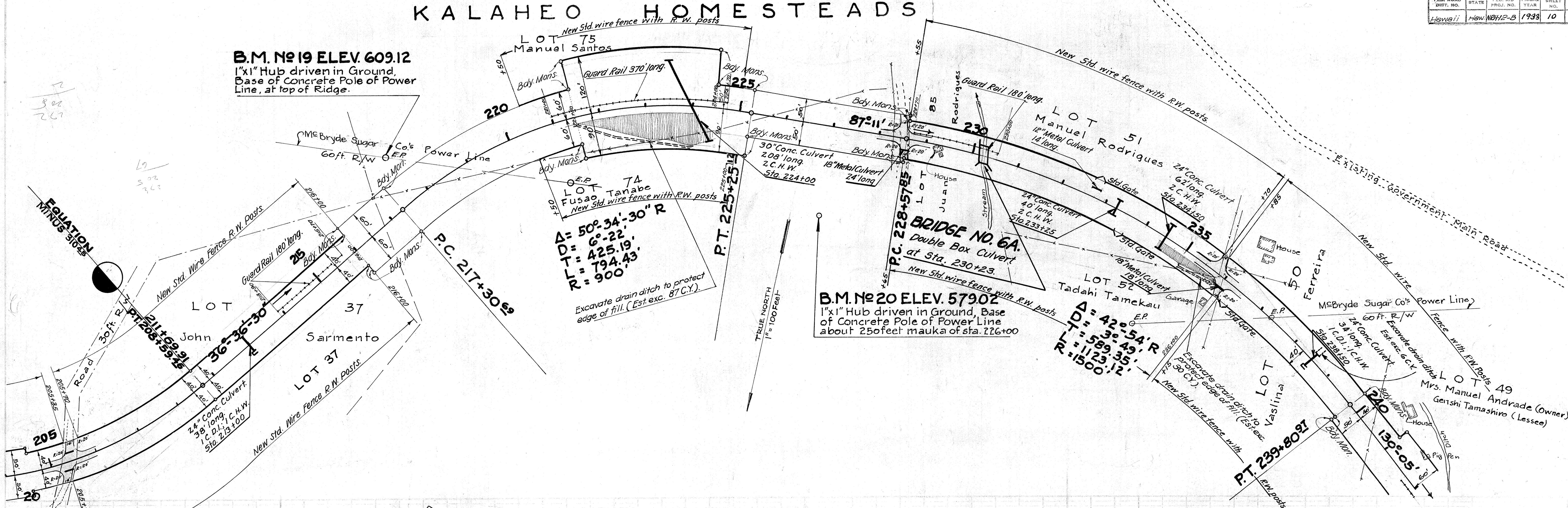
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	HI	NDH12-B	1933	10	75

B.M. No 19 ELEV. 609.12
1"x1" Hub driven in Ground,
Base of Concrete Pole of Power Line,
at top of Ridge.

$\Delta = 50^{\circ}34'30'' R$
 $D = 6^{\circ}22'$
 $T = 425.19$
 $L = 794.43$
 $R = 900'$

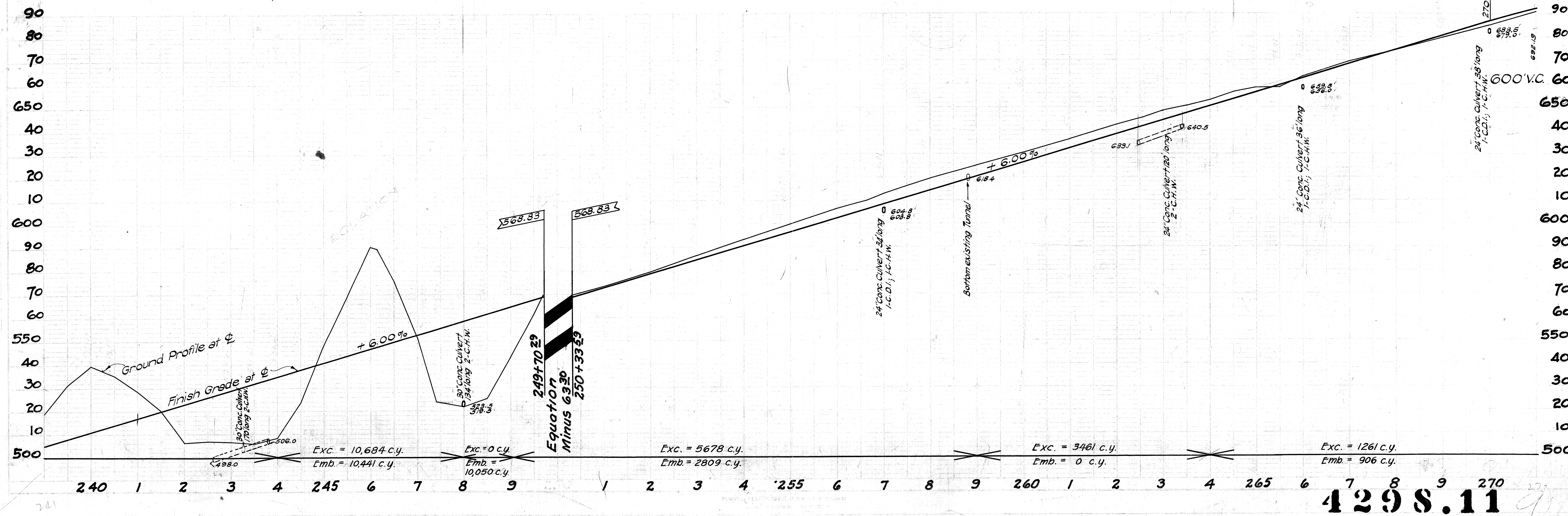
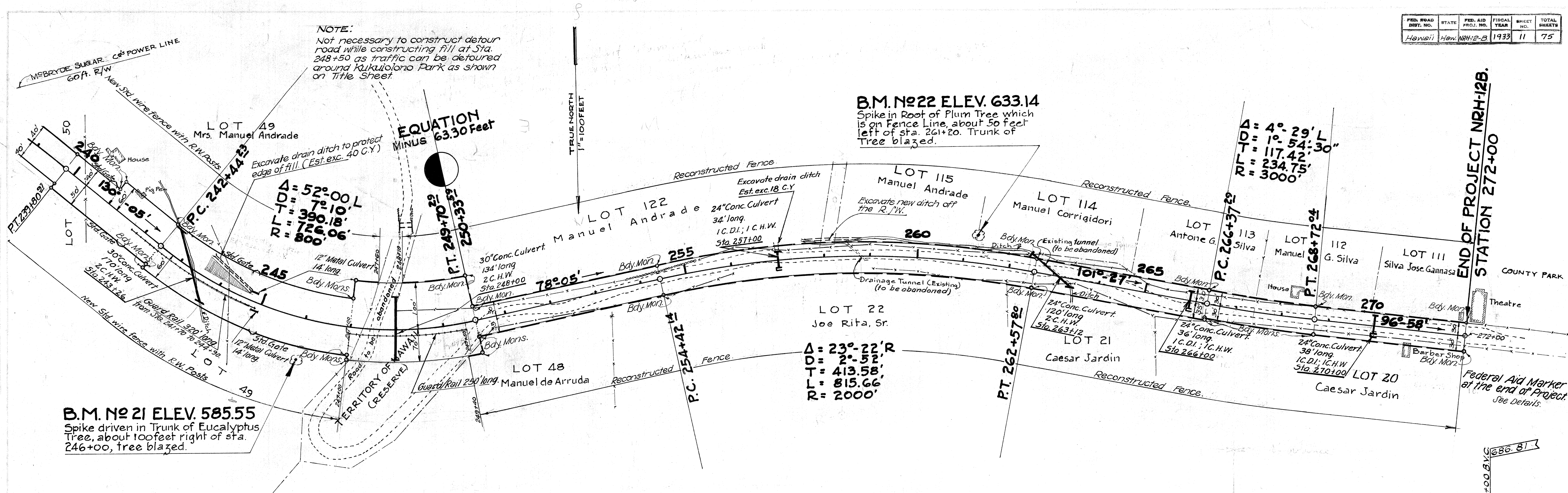
Excavate drain ditch to protect
edge of fill. (Est. exc. 87 C.Y.)

B.M. No 20 ELEV. 579.02
1"x1" Hub driven in Ground, Base
of Concrete Pole of Power Line
about 250 feet mauka of sta. 226+00

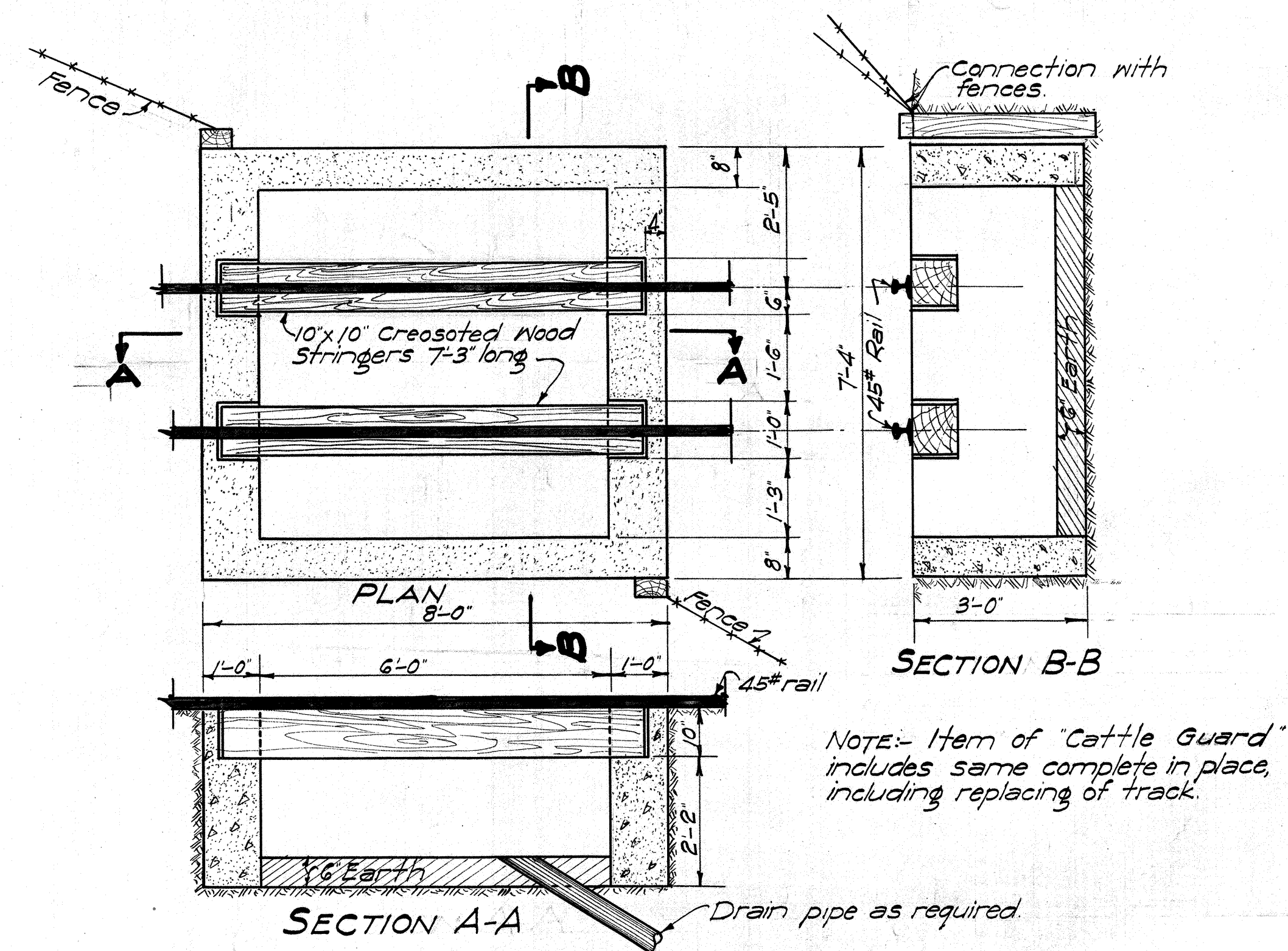
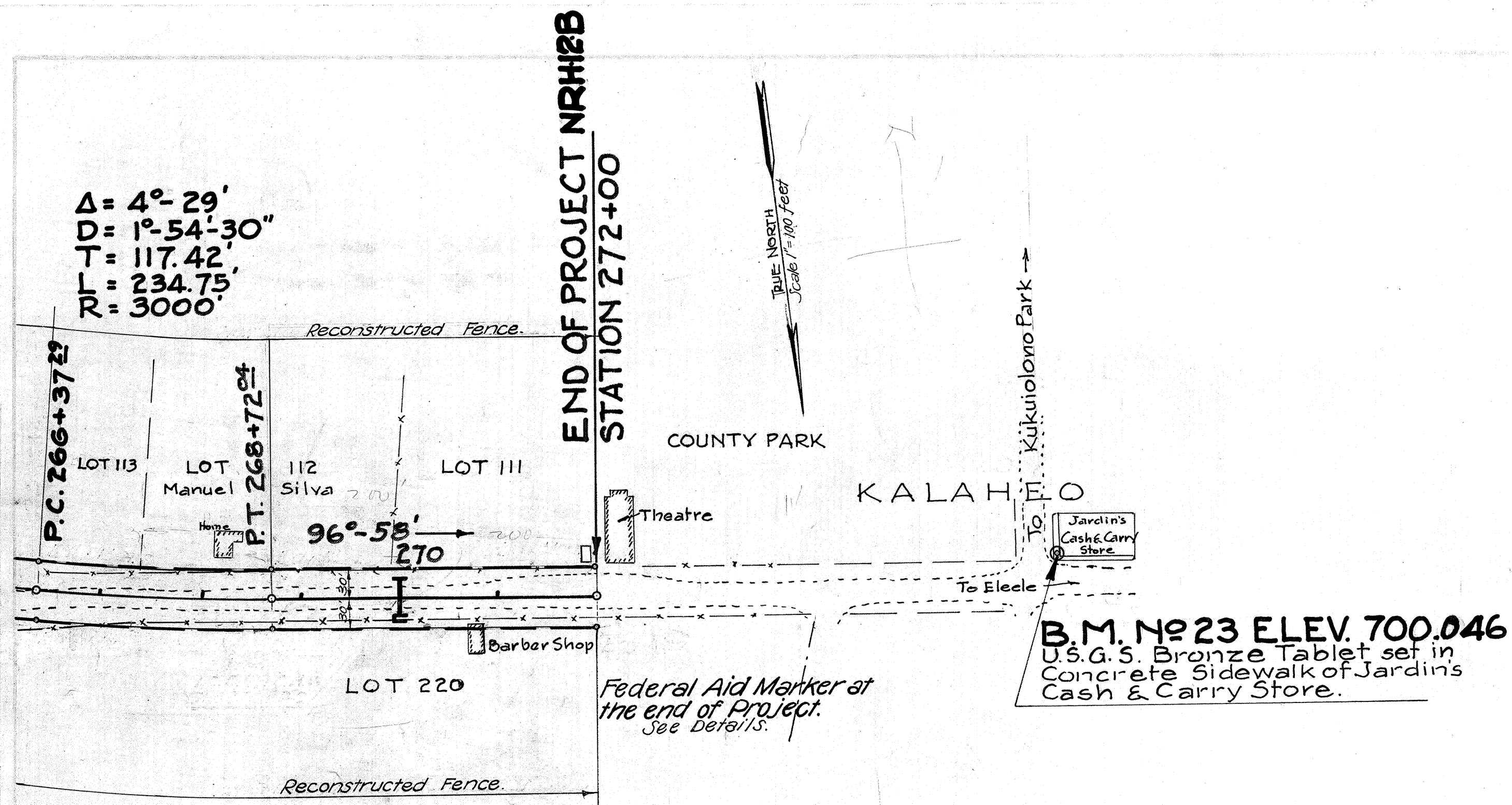


4298.10

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Hawaii	NRH-2-B	1933	11	75



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	NRH-12-B	1933	12	75



DETAIL OF CATTLE GUARD STA. 4+70
 ALL CLASS "B" CONCRETE
 Scale 1/2"=1'-0"

