

PLAN	DATE	BY	CHECKED
SURVEYED			
NOTE BOOK			
ALIGNMENT			
CHECKED			
NO.			

PROFILE	DATE	BY	CHECKED
SURVEYED			
NOTE BOOK			
GRADES			
CHECKED			
NO.			

GENERAL NOTES

- All azimuths are referred to "Lanukahi" Δ.
- All B.M.s are referred to Mean Sea Level Datum.
- All monuments shall be installed according to centerline data of construction plans.
- The location of existing utilities shown are approximate only and shall be confirmed by the Contractor in the field before beginning construction.
- All telephone and electric services to be moved by others.
- At completion of major items of work, exposed old road pavements shall be scarified unless otherwise directed by the Engineer. This work shall be considered incidental to "Roadway Excavation" and will not be paid for separately.
- The 6-inch and 3-inch domestic water pipelines shown on the plans are buried approximately one foot below the existing ground. The Contractor shall confirm this and where required, shall relocate or lower the pipelines before major construction work is begun in this area. The locating of the pipelines shall be considered incidental to the item, "Moving Existing Pipeline" and will not be paid for separately.
- All existing wooden guard rails at culvert intakes and outlets shall be removed unless otherwise directed by the Engineer. This work shall be considered incidental to the various contract items and will not be paid for separately.
- The Right-of-Way map used to establish the coordinates shown in the plans refer to Land Court Application 956 and Land Court Application 956 (Amended).

- All excess existing material items designated to be removed shall upon removal become the property of the Contractor.
- The Contractor shall coordinate his work with the Grove Farm Co., Ltd. so as not to disrupt the plantations normal schedule of operations in the vicinity of the project.
- The cross-section sheets included in the plans are intended to only show the extent of the major excavation and embankment. The quantities shown are included in the total quantity of Roadway Excavation.

True North
Scale: 1"=100'

Make easy riding connection.

BEG. PROJ. NO. A 520-01-GG UNIT I
STA. 0+00

Sta. 2+28
Construct Concrete Tractor Crossing 36' long, 12' wide. For details, see sheet No. 2.
Est. Quant. 188 c.y.
Exc. 188 c.y.
Emb. 0
B.C. Area 243 +42 s.y.
A.C. Area 240 +44 s.y.

Sta. 2+28 - Both Sides
Construct 20' wide Side Road Approaches as shown. For Typical Section, see Sheet No. 2.
Est. Quant. 75 Lin. Ft.

Sta. 7+50
Install Metal Guard Rail w/Conc. Posts at both ends of bridge as shown. For details see Sheet No. 11.
Est. Quant. 75 Lin. Ft.

Sta. 10+95 - Rt.
Construct 20' wide Side Road Approach as shown. For Typical Section, see Sheet No. 2.
Est. Quant. 62 c.y.
Exc. 62 c.y.
Emb. 0
B.C. Area 186 +42 s.y.
A.C. Area 190 +43 s.y.

Sta. 15+40 - Rt.
Construct 12' wide Side Road Approach as shown. For Typical Section, see Sheet No. 2.
Est. Quant. 62 c.y.
Exc. 62 c.y.
Emb. 0
B.C. Area 186 +42 s.y.
A.C. Area 190 +43 s.y.

Sta. 7+65 to Sta. 15+35 - Rt.
Construct Drainage Swale. See this sheet for Typical Section. Est. Quant. included in Roadway Exc.

15+00 to 16+00
Sta. 7+65 to Sta. 15+35 - Rt.
Lower or relocate 1000' Lin. Ft. of existing pipeline as directed by the Engineer.

Curve Data
Δ = 2° 32' 30"
Δ/2 = 1° 16' 15"
R = 5700.00'
T = 120.48'
C = 252.85'
Lc = 252.85'

Curve Data
Δ = 15° 06' 30"
Δ/2 = 7° 33' 15"
R = 600.00'
T = 100.05'
C = 210.24'
Lc = 210.25'

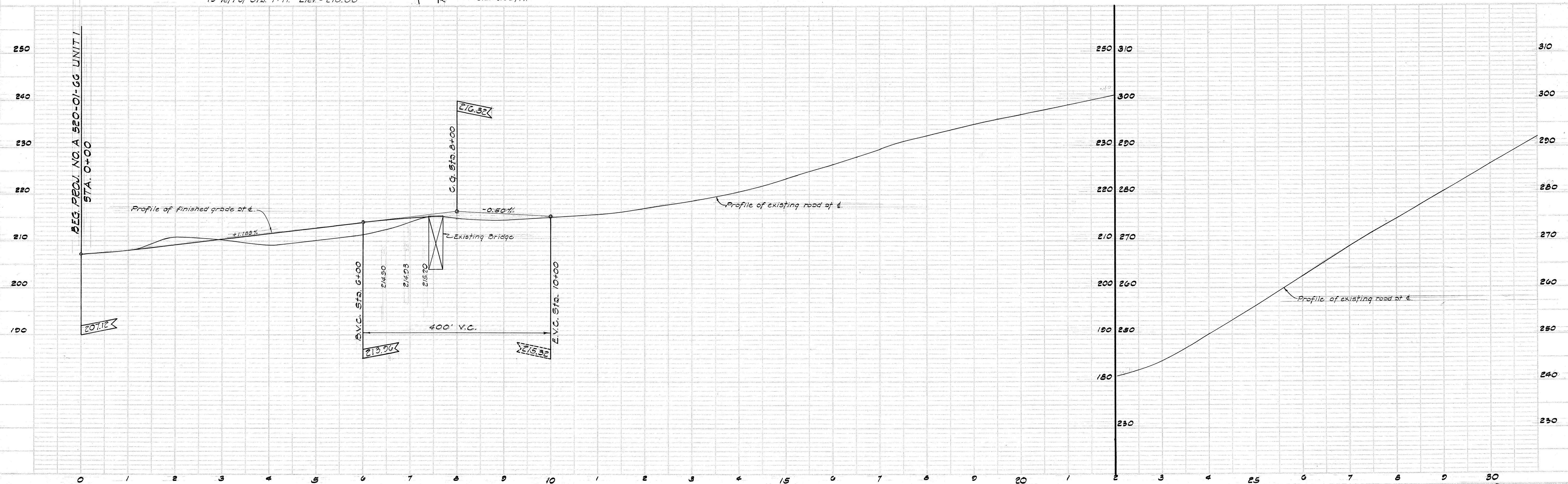
Curve Data
Δ = 8° 12' 30"
Δ/2 = 4° 06' 15"
R = 2200.00'
T = 157.99'
C = 314.91'
Lc = 315.18'

Curve Data
Δ = 2° 05' 30"
Δ/2 = 1° 02' 45"
R = 4000.00'
T = 80.45'
C = 178.87'
Lc = 178.88'

Sta. 28+00 - Lt.
Resurface existing Side Road Approach.
Est. Quant. 103
A.C. Area 103 s.y.

Sta. 28+00 - Rt.
Resurface existing Side Road Approach.
Est. Quant. 103
A.C. Area 103 s.y.

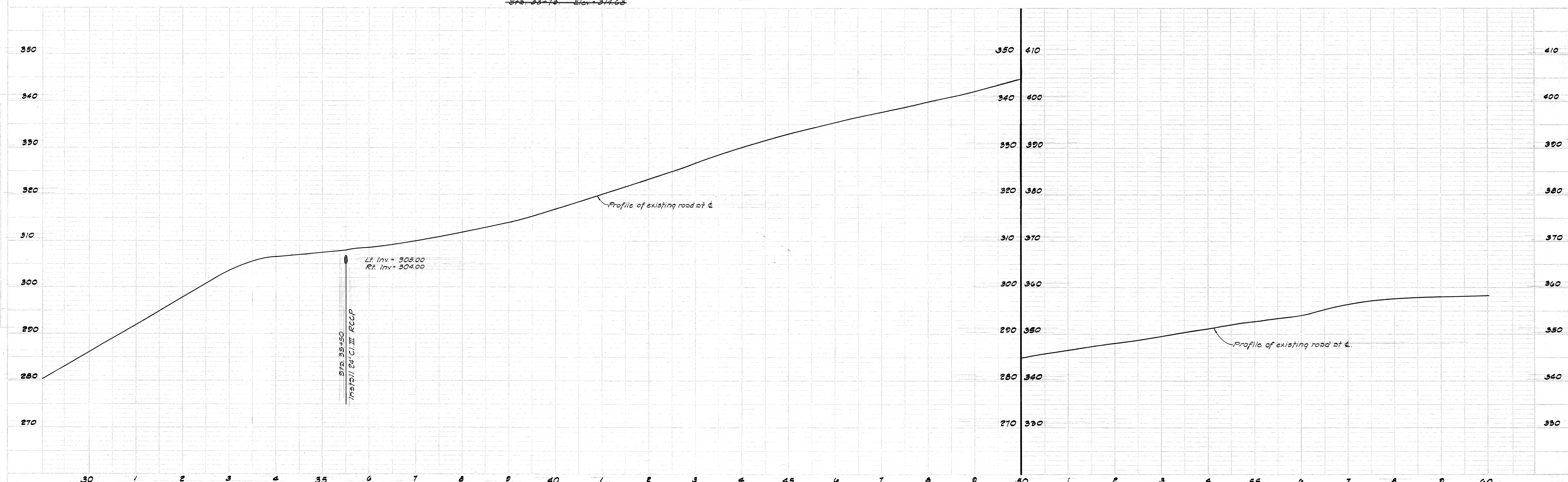
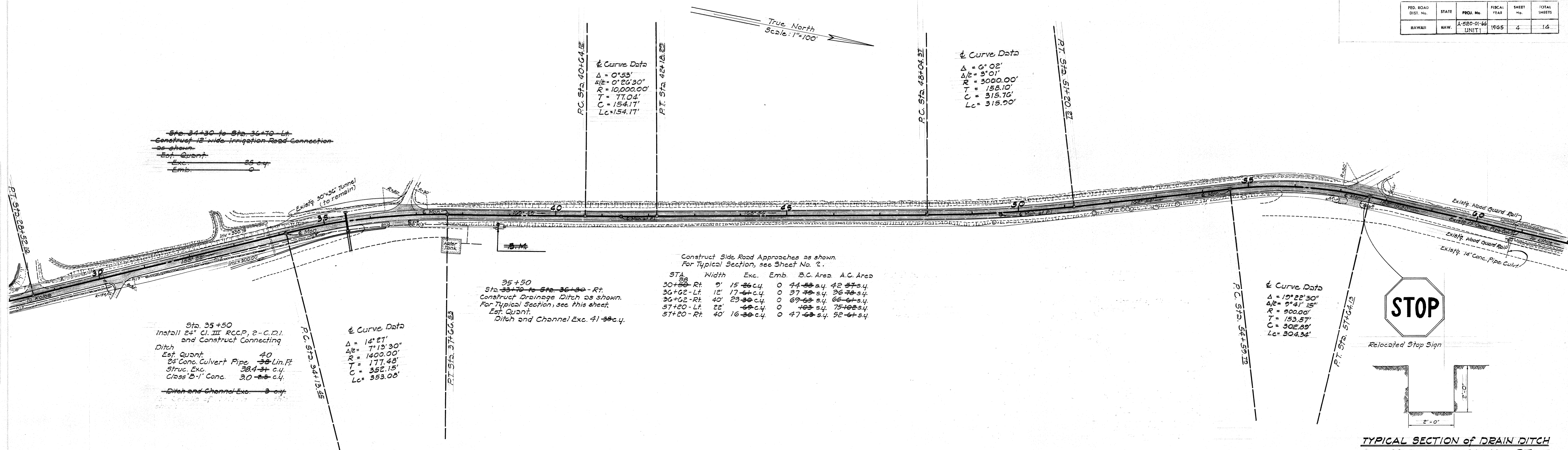
TYPICAL SECTION for DRAINAGE SWALE
STA. 7+65 to STA. 15+35 - Rt.
Scale: 3/8" = 1'-0"



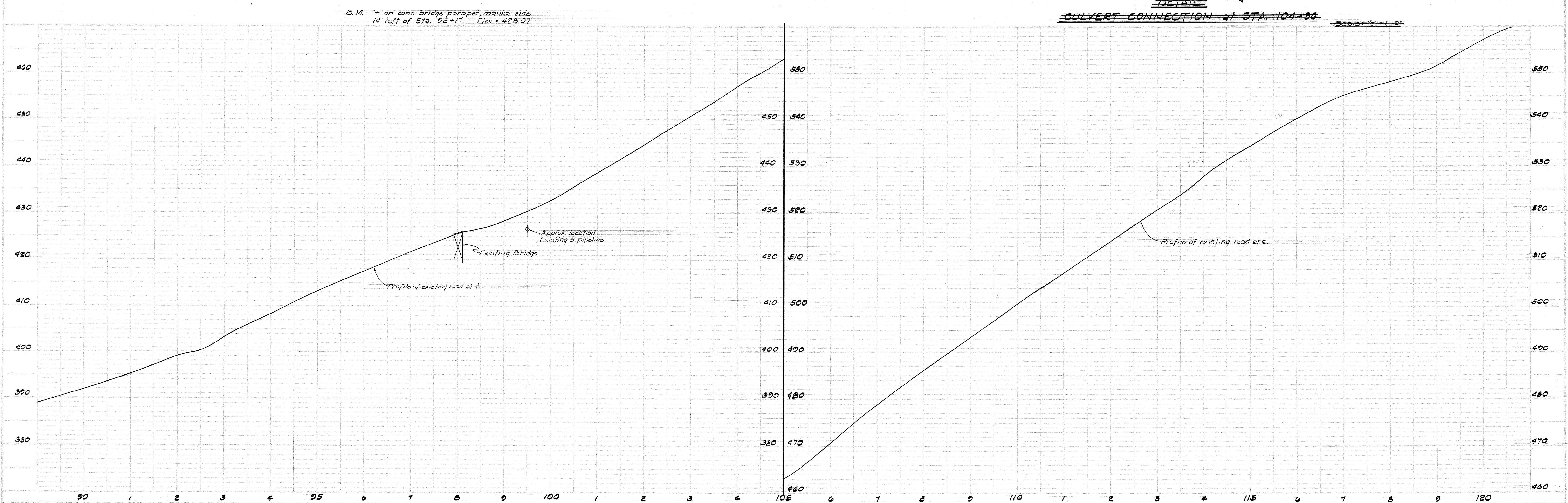
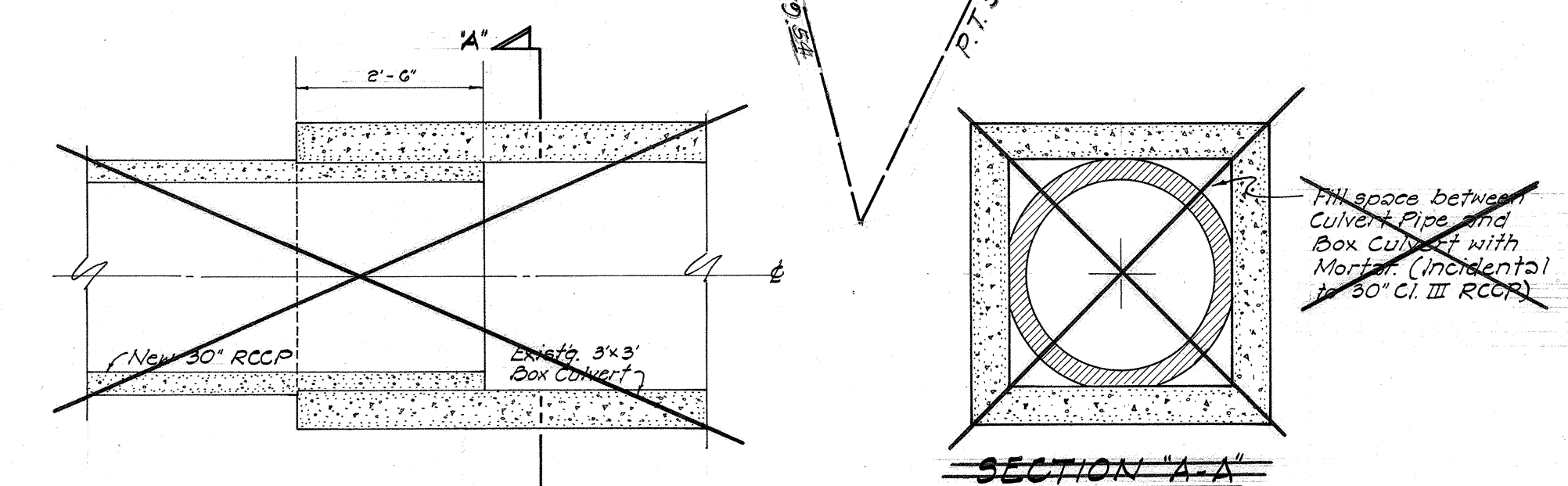
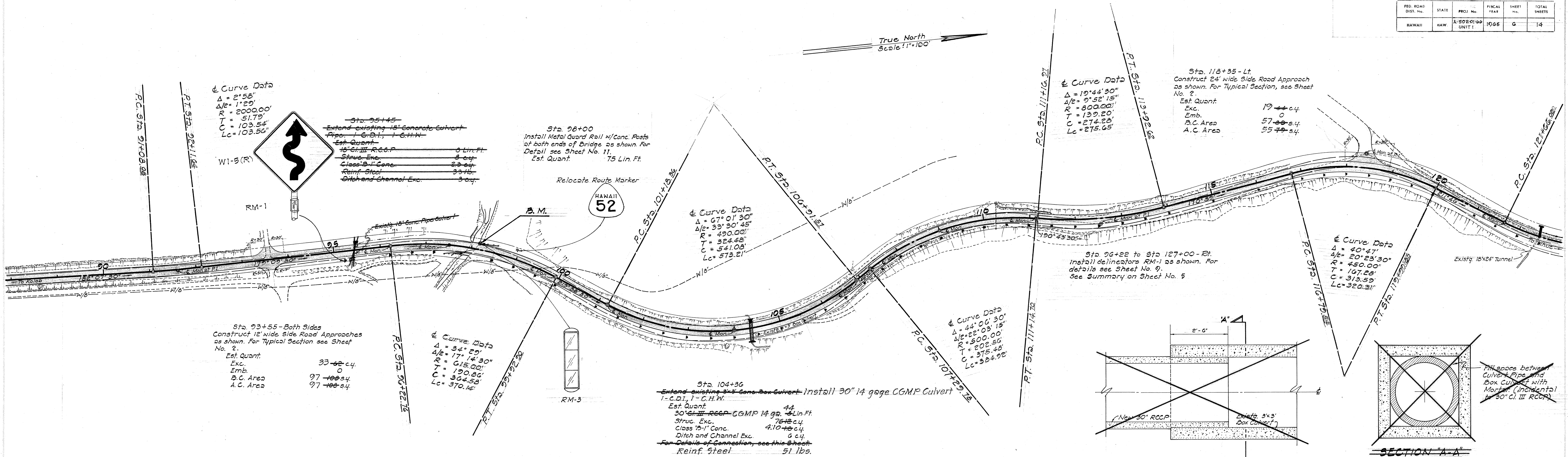
FED. ROAD DIST. No.	STATE	PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	A-220-01-44	UNIT 1	1065	4

DATE	BY	DATE	BY

DATE	BY	DATE	BY



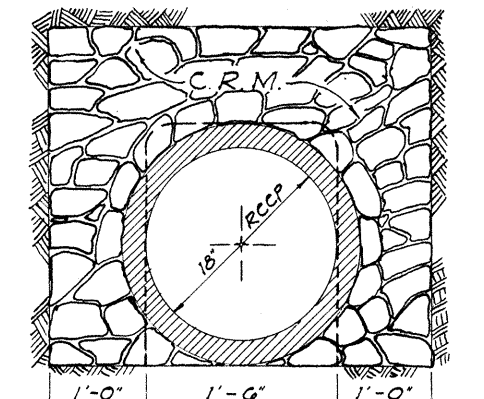
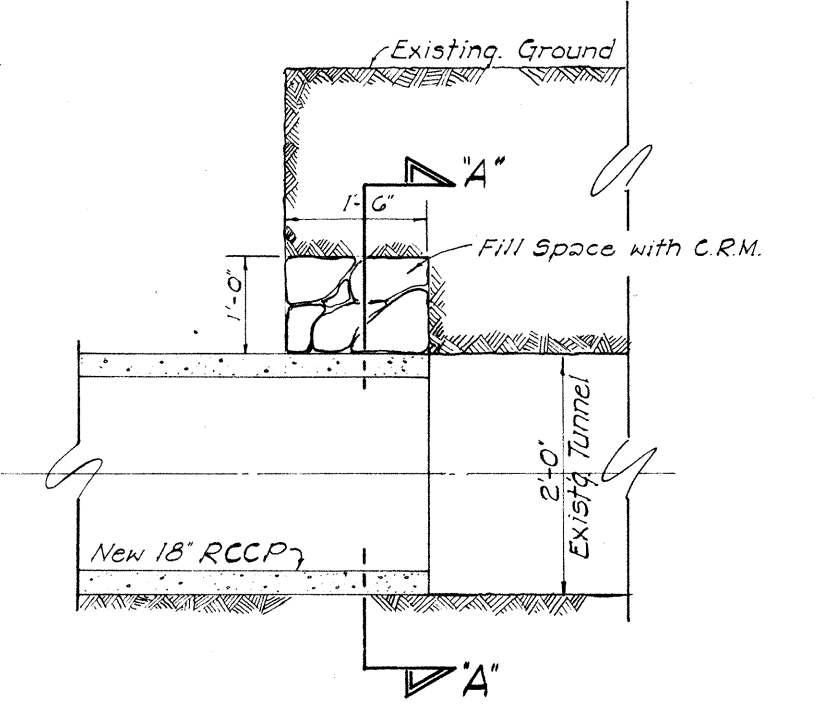
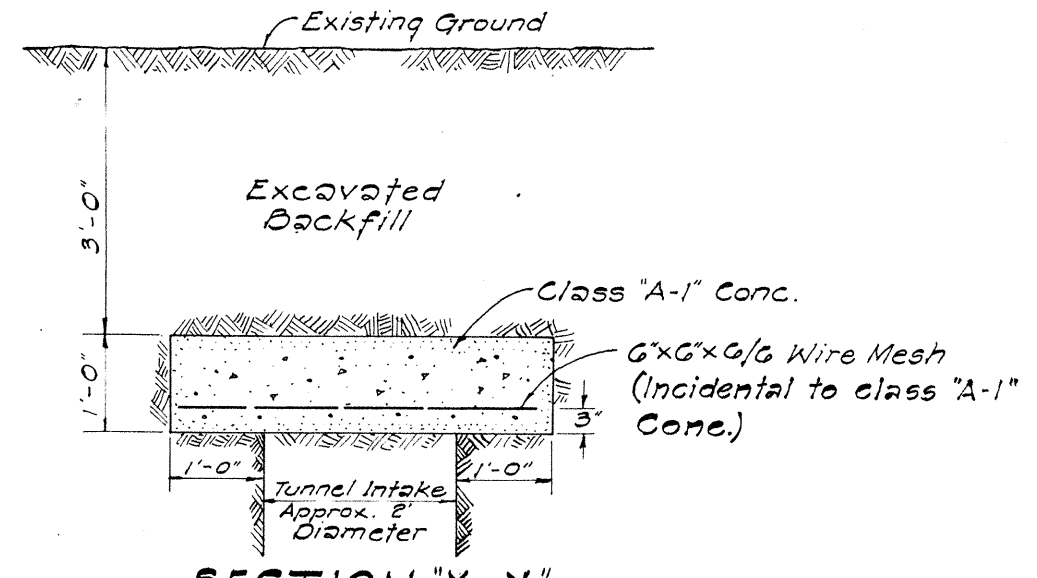
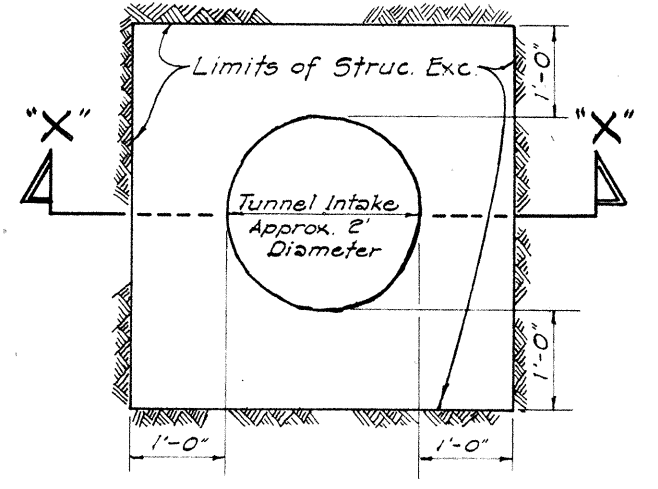
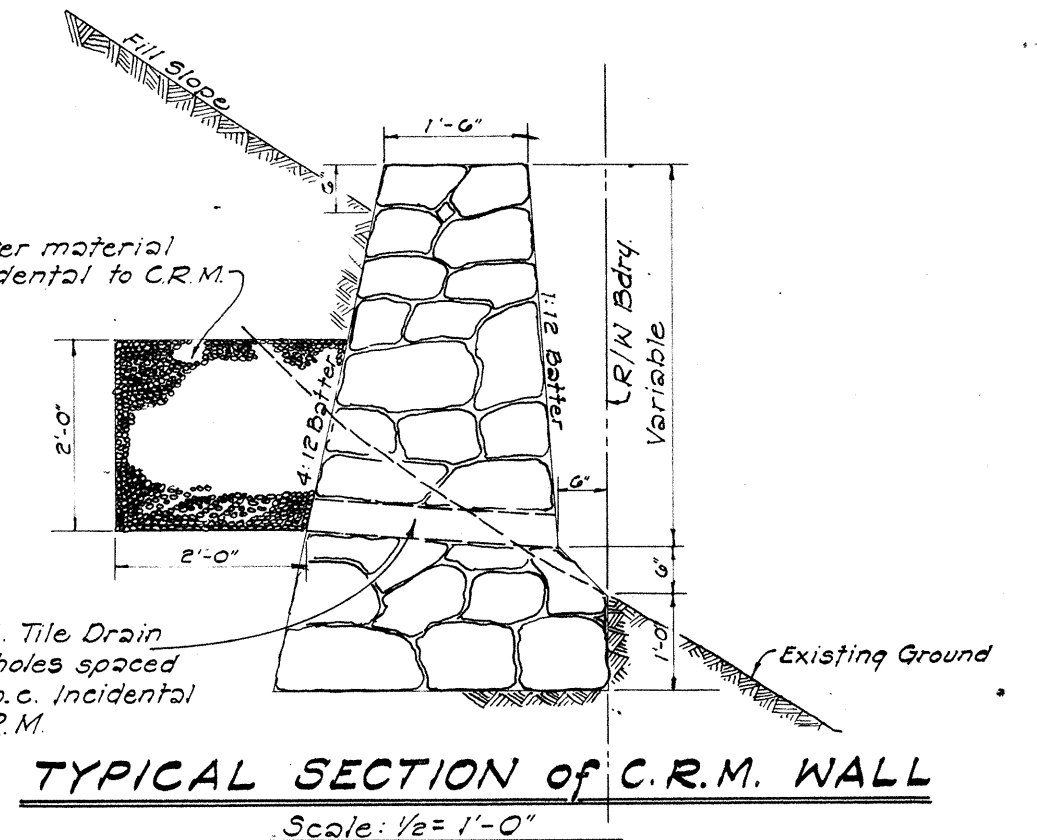
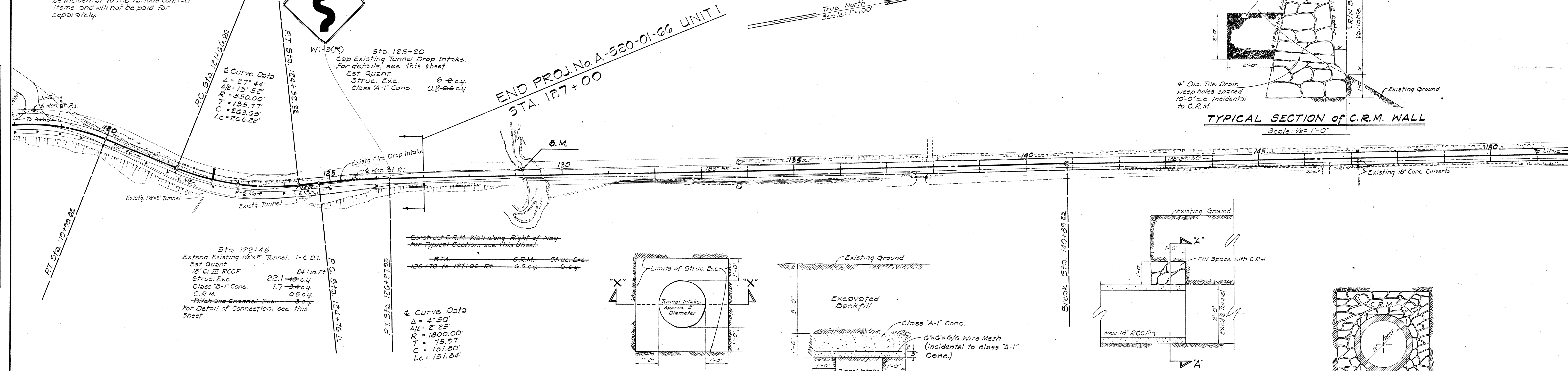
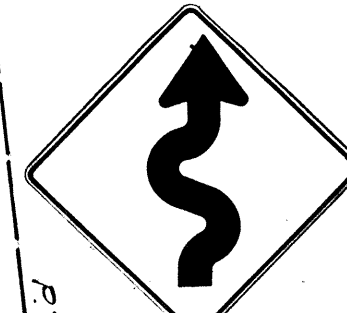
FED. ROAD DIST. No.	STATE	PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	A-202-01-99 UNIT 1	1965	G	14



PLAN	DATE	BY
SURVISED		
NOTE BOOK		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
NO.		

PROFILE	DATE	BY
SURVISED		
NOTE BOOK		
GRADES CHECKED		
B. ME. NOTED		
STRUCTURE NOTATIONS CHNG.		
NO.		

Note:
Two (2) "Narrow Bridge" signs to be salvaged and taken to the Koloa County Base Yard. This work shall be incidental to the various contract items and will not be paid for separately.



B.M. - 4' on S.W. corner of bridge parapet, 13' left of Sta. 120+15. Elev = 530.41

