

GENERAL NOTES:

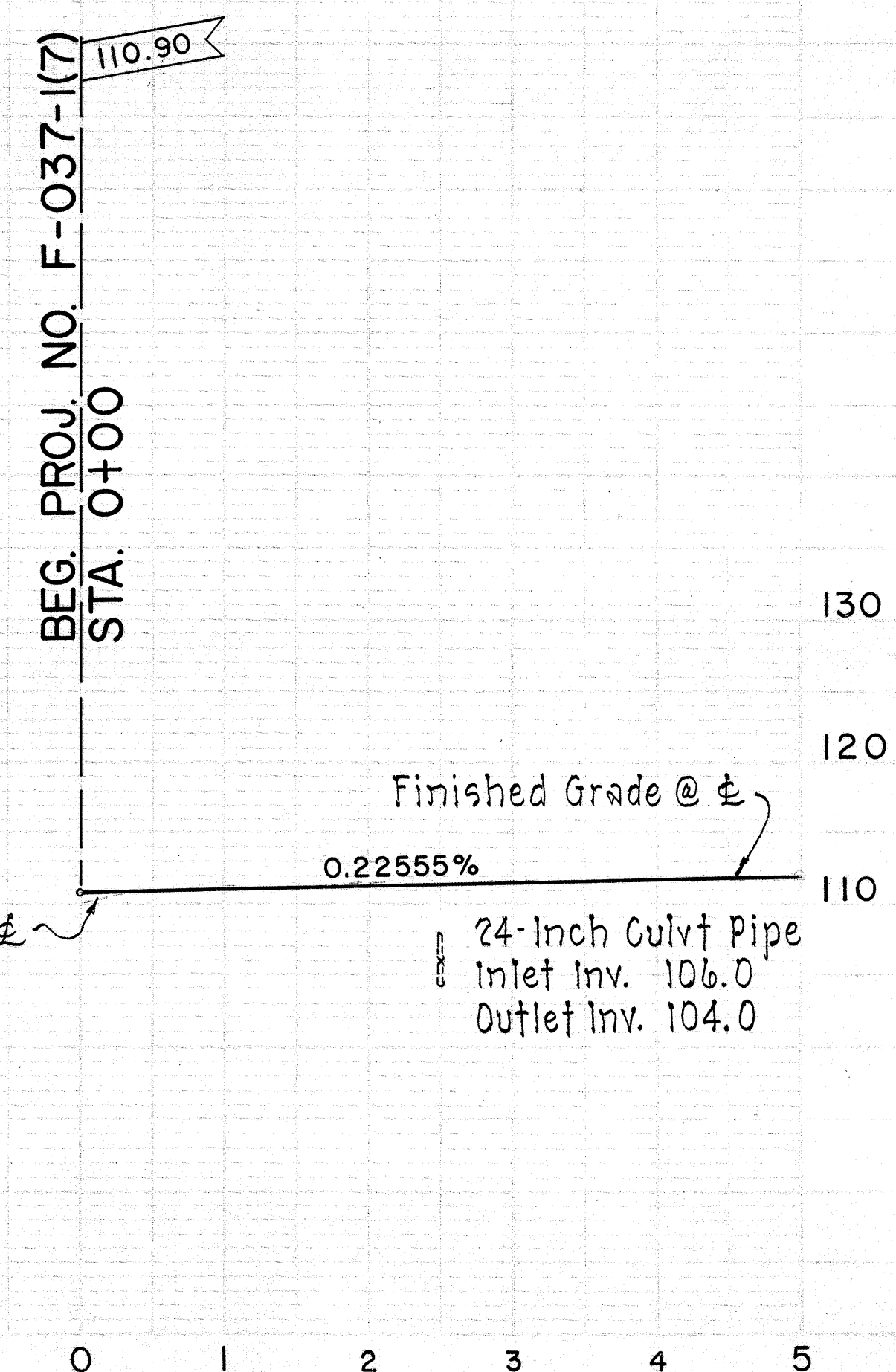
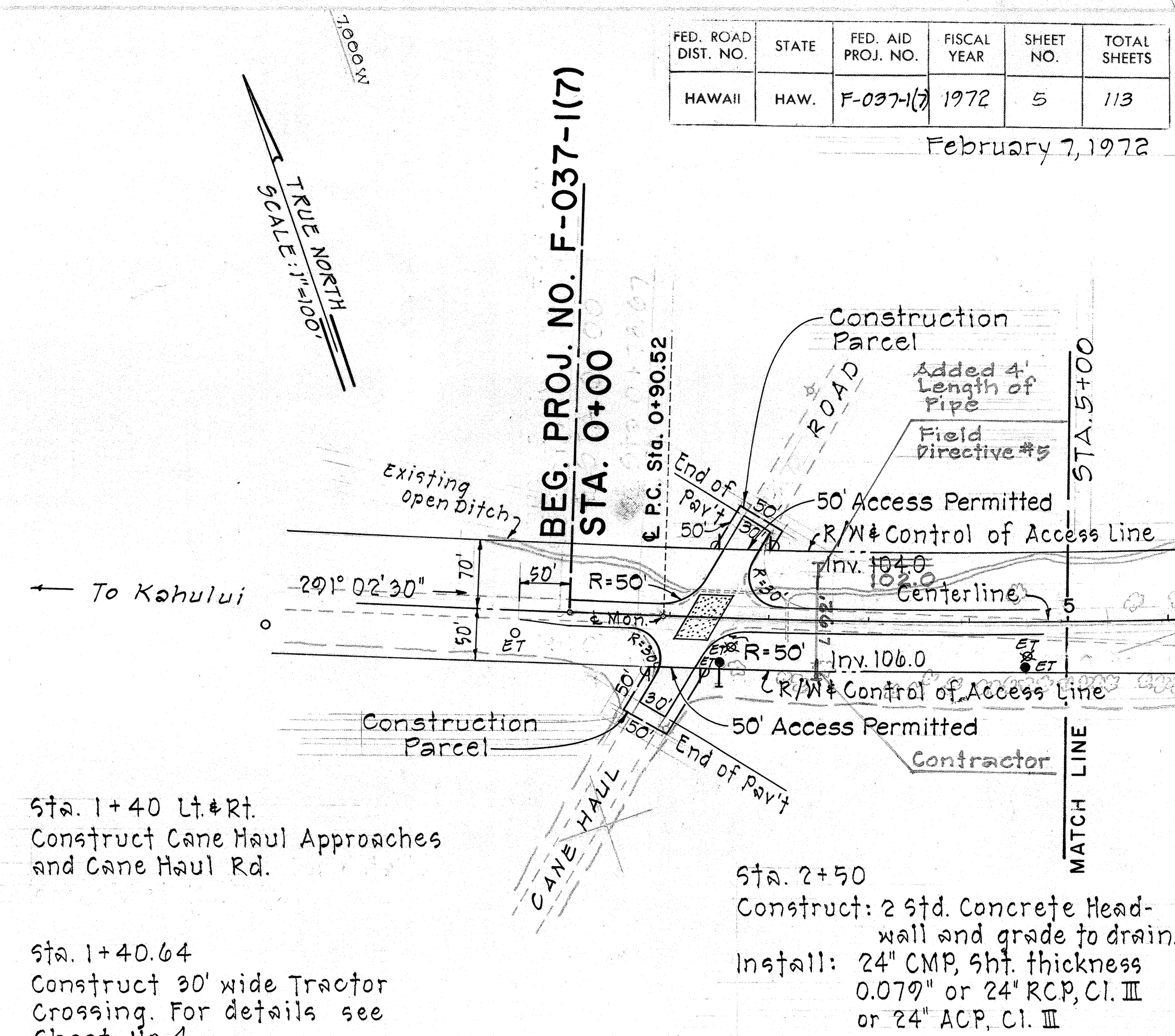
1. Origin of azimuths and coordinates are referred to: "Puu Nene 2" (1950) Δ
2. All elevations are referred to mean sea level.
3. Existing pavement over which embankment is to be constructed shall be scarified. Cross hatched areas of existing pavement outside the R/W and remnant pavement areas and within the R/W shall be scarified and removed and the areas graded with suitable material to conform to the surrounding terrain. The work shall be incidental to "Roadway Excavation".
4. Utility relocations shall be done by others.
5. The Contractor shall not remove any trees without the approval of the Engineer. Trees to be removed shall be determined by the Engineer.
6. Demolish and remove all culvert pipes within the R/W not incorporated in the project.
7. The Contractor shall provide for a continuous flow when work is being done on the irrigation ditches. The work shall be coordinated with Hawaiian Commercial & Sugar Company (H.C. & S. Co.).
8. Relocation of existing irrigation facilities within the R/W shall be done by H.C. & S. Co.
9. The final location of Lined Irrigation Ditch, Type "B" shall be determined by the Engineer in the field.
10. The Contractor shall verify the location of the 12-inch water line shown on Sheet No. 10 and shall safeguard against any damage to the waterline.
11. The Detour Road from Sta. 0+80.29 to Sta. 31+00 shall remain after construction is completed. The remainder of the Detour Road shall be scarified and removed and graded with suitable material to conform to the surrounding terrain. The work shall be incidental to "Roadway Excavation".

LEGEND

- Existing poles to remain
- ⊗ Existing poles to be removed
- New electric pole
- ET ● New electric and telephone pole

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-037-1(7)	1972	5	113

February 7, 1972



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-087-1(7)	1972	8	113

February 7, 1972

3 & CURVE DATA

$\Delta = 21^{\circ}43'00''$
 $\Delta/2 = 10^{\circ}21'30''$
 $R = 5,729.58$
 $T = 1,099.02$
 $C = 2,158.69$
 $LC = 2,171.67$

BM #6
 Sta. 80+00 Rt.
 Spike in pole #43
 Elev. = 301.09

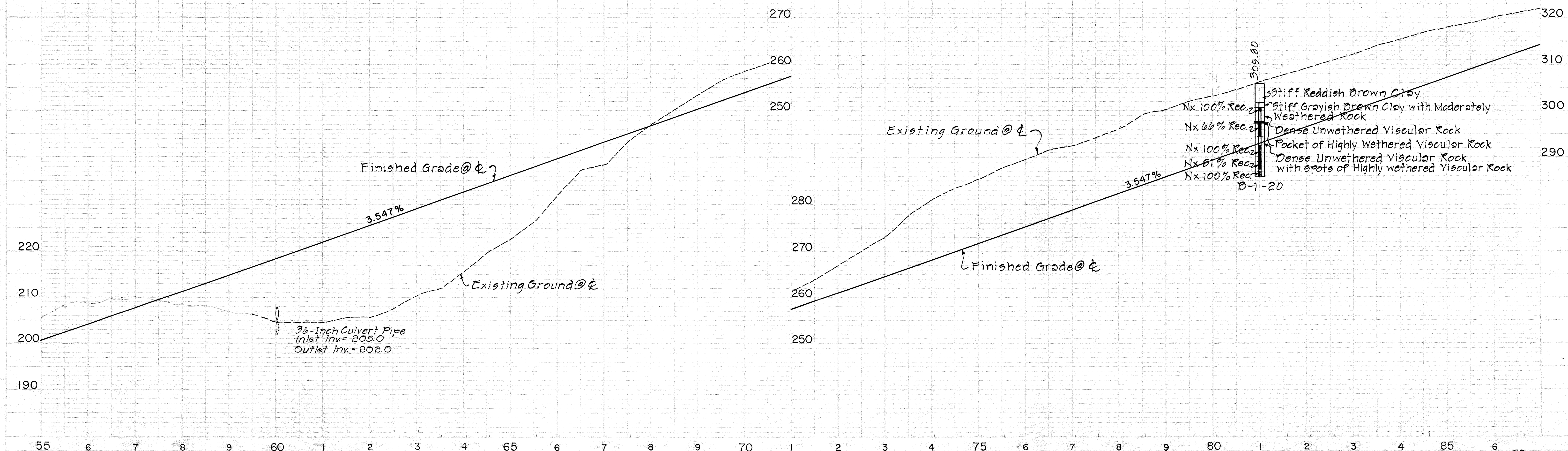
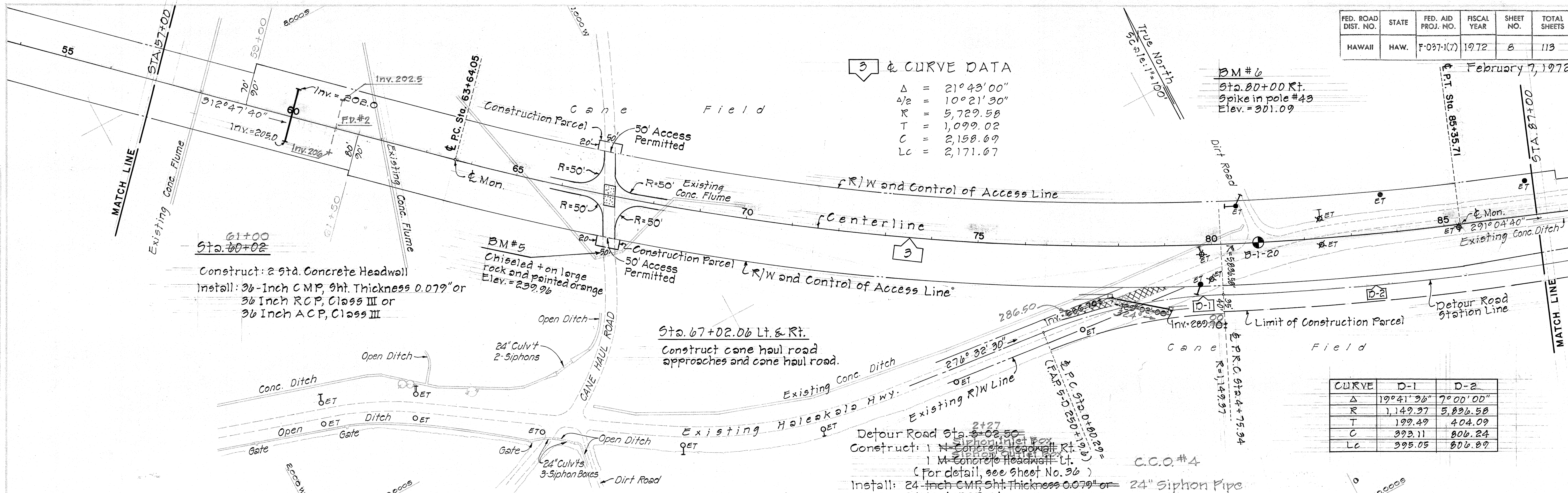
CURVE	D-1	D-2
Δ	$19^{\circ}41'36''$	$7^{\circ}00'00''$
R	1,149.37	5,836.58
T	199.49	404.09
C	393.11	806.24
LC	395.05	806.89

Sta. 67+02.06 Lt. & Rt.
 Construct cane haul road
 approaches and cane haul road.

Detour Road Sta. 8+02.50
 Construct: 1 N-2 Concrete Headwall Rt.
 1 M-2 Concrete Headwall Lt.
 (For detail, see Sheet No. 36)
 Install: 24-Inch CMP, Sht. Thickness 0.079" or
 24-Inch RCP, Class III or
 24-Inch ACP, Class III

C.C.O. #4

24" Siphon Pipe

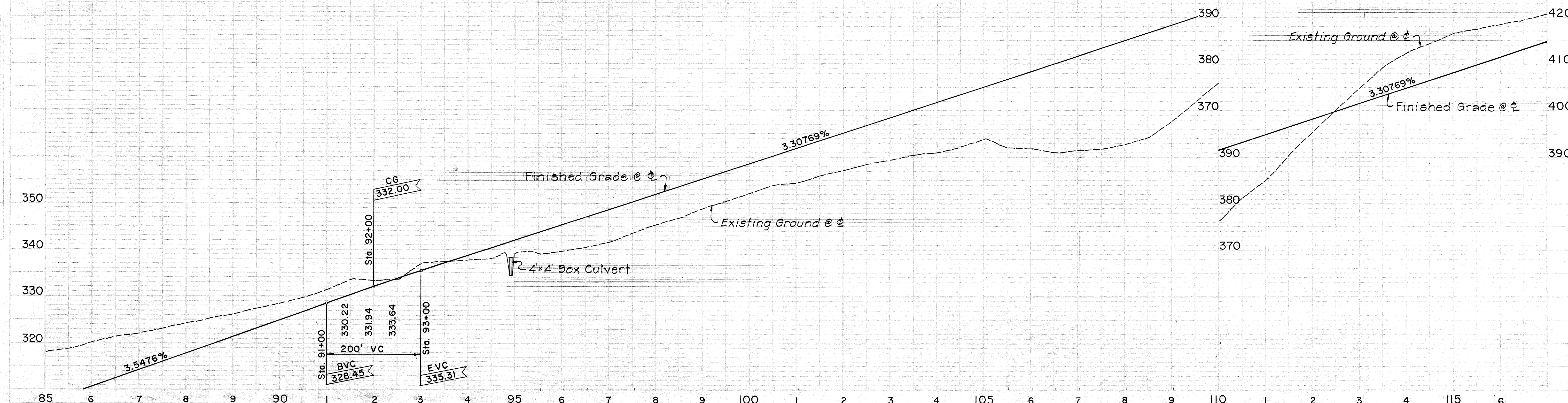
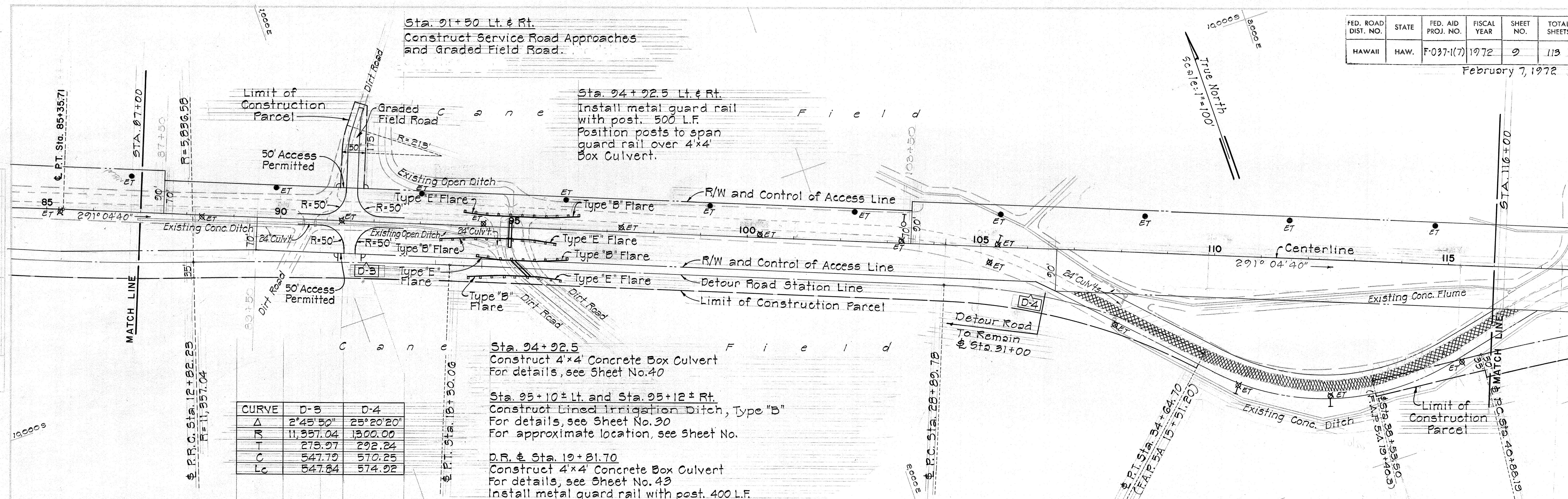


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-037-1(7)	1972	9	113

February 7, 1972

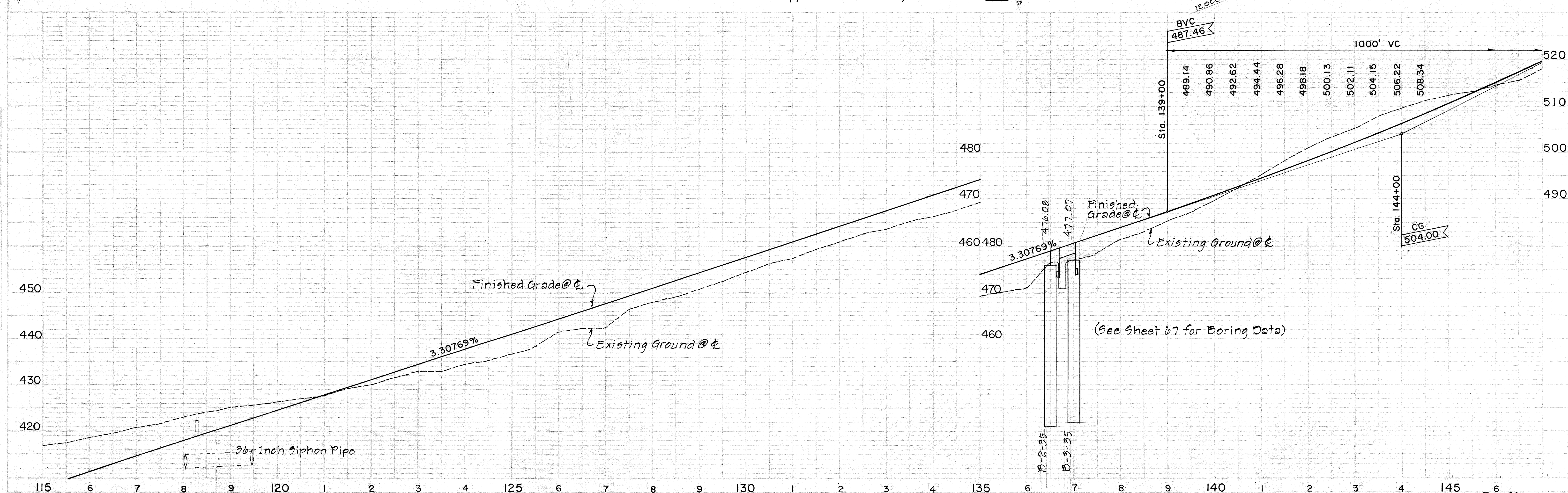
PLAN	DATE	BY	CHKD	APP'D
DESIGNED				
PLANNED				
NOTED				
REVISED				

PROFILE	DATE	BY	CHKD	APP'D
DESIGNED				
PLANNED				
NOTED				
REVISED				



February 7, 1972

0E
+h



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-037-1(7)	1972	14	113

February 7, 1972

Sta. 207+70 Lt. & Rt.
Construct Service Road Approaches.

Sta. 207+70
Construct 24' wide
Tractor Crossing.
For details, see Sheet No. 4
BM #14
Sta. 205+15 Lt.
"++" on N.W. corner of
Plantation Bridge
Elev. = 819.11

Sta. 214+86 1/2 92.5' ± Lt.
Construct: Standard Conc. Drop Intake
Install: 24" CMP, Sht. "I" = 0.079 Inch or
24" RCP, Class III or
24" ACP, Class III

Sta. 214+52.5 0/592.5' Lt.
Demolish existing C.D.I.
Construct Conc. Collar to make
connection with existing Culvert
(For details, see Sheet No. 30)

6 CURVE DATA

$\Delta = 8^{\circ} 12' 30''$
 $\frac{\Delta}{2} = 4^{\circ} 06' 15''$
 $R = 4,000.00$
 $T = 287.02$
 $C = 572.56$
 $Lc = 573.05$

BM #15
Sta. 220+40 Lt.
Spike in pole #92
Elev. = 868.84

Sta. 214+86 1/2 92.5' ± Lt. Lg + 0' FD #8
Standard C.D.I. Inverts to be determined by Field Engineer
Construct 10' concrete ditch transition
P.C. Sta. 1+08.31

7 CURVE DATA

$\Delta = 4^{\circ} 42' 30''$
 $\frac{\Delta}{2} = 2^{\circ} 21' 15''$
 $R = 4,000.00$
 $T = 164.44$
 $C = 328.61$
 $Lc = 328.70$

Sta. 214+55 Lt.
Construct Haliimaile
Road approach

Sta. 205+76 ± Lt. & Sta. 206+49 ± Rt.
Construct Lined Irrigation Ditch, Type "B"
For Details, See Sheet No. 30
For approximate locations, See Sht. No. 41

Sta. 205+84 ±
Construct 10'x4' Box
Culvert. For Details,
See Sheet No. 41 & 42
Install metal guard
rail on post at end post
475 L.F.

Sta. 201+35 Lt. & Rt.
Construct Service Road
Approaches and Service Road.

Sta. 201+35
Construct 24' wide
Tractor Crossing.
For details, see Sheet No. 4

