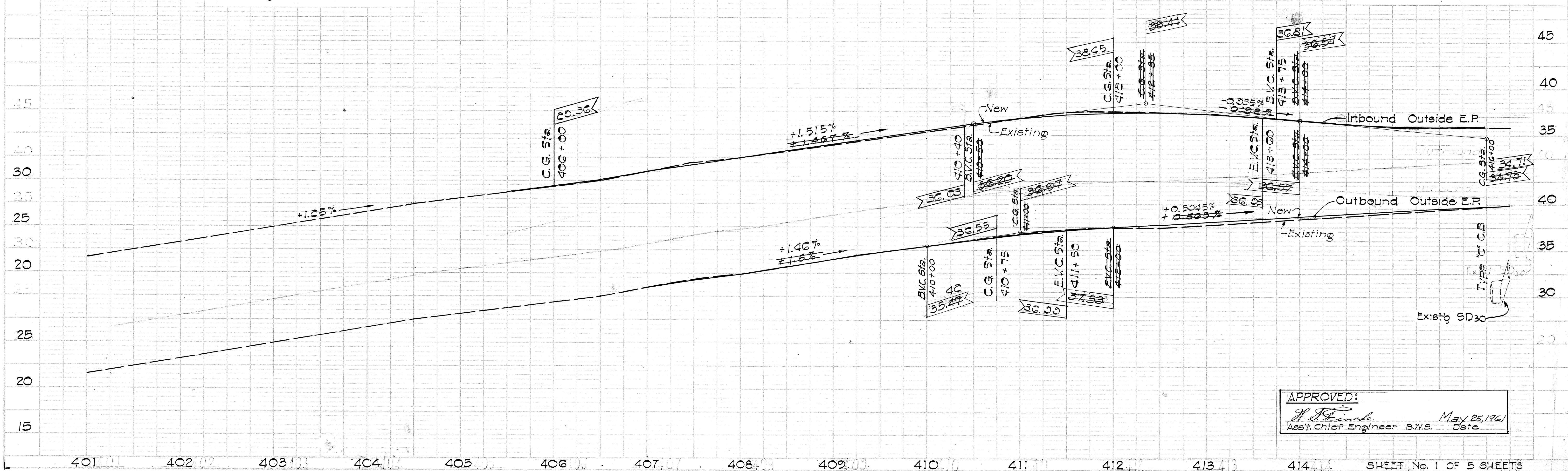
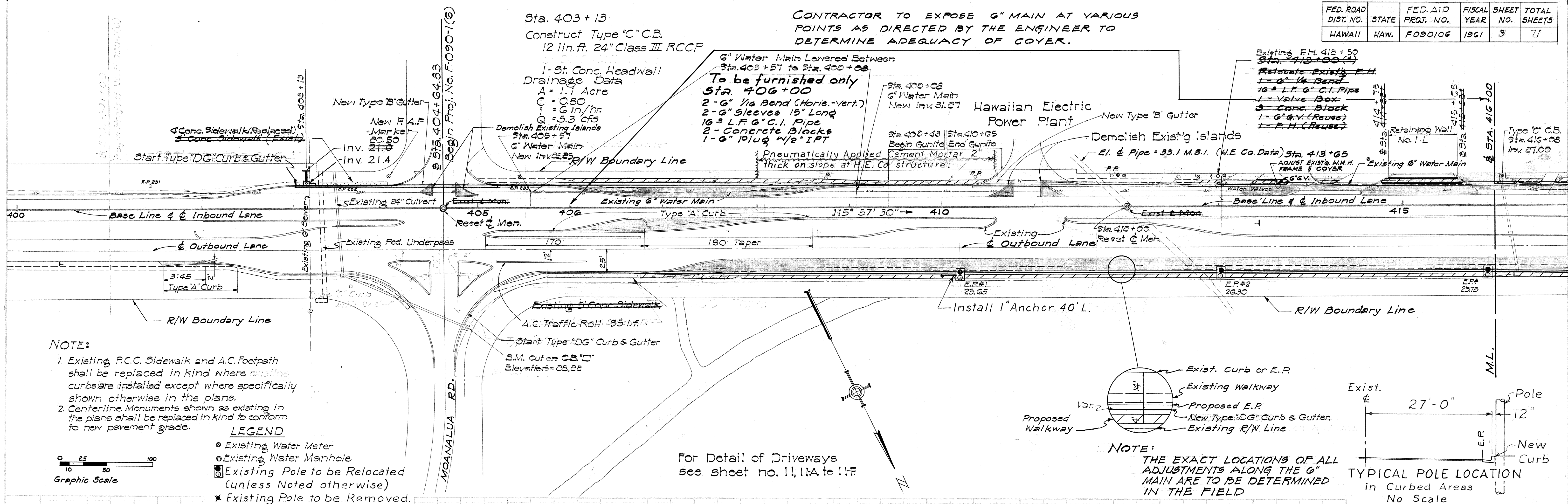


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F090106	1961	3	71



APPROVED:
H. J. [Signature]
Asst. Chief Engineer BWS. Date May 25, 1961

Drainage Data
A = 1.0 Acre
C = 0.80
i = 3.5 in/hr
Q = 3 cfs

NOTE:

For Exact Location of
Retaining Wall See Shts. 26, 27 & 34, C&A, C&B

BASE LINE CURVE DATA

$\Delta = 5^\circ 38'$
 $\frac{1}{2}\Delta = 2^\circ 49'$
 $R = 5729.65$
 $T = 281.90$
 $C = 563.11$
 $Lc = 563.34$

Sta. 427+25
Begin Wall

Sta. 429+06.08
End Wall

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F090106	1961	4	71

Contractor to expose 6" main at various points as directed by the Engineer to determine adequacy of cover.

Sta. 427+25.42
Relocate Exist. F.H.
1-G 1/2 Bend
1-L.F. 6" C.I. Pipe
1-Valve Box
1-F.H. (Reuse)
3-Conc. Blks.
1-G.V. (Reuse)

To be furnished only
Sta. 432+00
1-G 1/2 Bend (Horiz. = Vert.)
2-6" Sleeve 15' Long
1-L.F. 6" C.I. Pipe
2-Conc. Blks.
1-6" Plug w/ 1/2" IPT

9-7-19-11
9-7-19-10
Retaining Wall No. 3R
5' Const. Easement

Install 60' Pole
Exist. 6" Water Main

Reconstr. Exist.
C & C Survey Mon.

R/W Boundary Line

Existing Cables (Army & Haw. Tel. Co.)

110° 19' 30"

Sta. 416+10 ± I.B.
Const. Std. Type "C" C.B.
Inv. to match exist. pipe
See Detail
Supplement
Sheet No. 26 (C)

For Driveways
See Sheets
11A to 11F

Deleted
Retaining Wall No. 2A

Sta. 419+20.00
Relocate Exist. F.H.
1-G 1/2 Bend
1-L.F. 6" C.I. Pipe
1-Valve Box
1-F.H. (Reuse)
3-Conc. Blks.
1-G.V. (Reuse)

Existing 6" Water Main

Base Line & Inbound Lane

425

430

Exist. SD 30
Inv. 36.0

4' Outbound Lane
C-Pipe Inv. 35.5 34.00
Exist. C.D.I. Inv. 33.70

End Type "DG"
Curb & Gutter

Note: Below

Begin Type "DG"
Curb & Gutter

TO HONOLULU

TO WAHIAWA

Type "D" Curb

Note: Below

4' Outbound Lane

Sta. 416+00.00
Const. Std. Type "B" C.B.
20 lin. ft. 24" Cl. III R.C.C.P.
Inv. = 34.50
B.M. "D" Cut on C.B. Elev. = 40.13
Sta. 416+25
Const. Special C.D.I.
(for Detail, see Sht. #9)
12 lin. ft. 36" Cl. III R.C.C.P.
or 42" 14 ga. C.G.M.P.

Sta. 416+25
Reconstruct. Exist. C.D.I.
for Detail, see Sht. #9
Note:
Curb & Gutter section shall be
cast Monolithically with P.C.C.
slab. See Typical Section sheet.

Reconstr. Nose
Type "C" Curb

12' Const. Easement

Existing C.R.M. Wall

Retaining Wall No. 2R

Type "D" Curb

12' Const. Easement

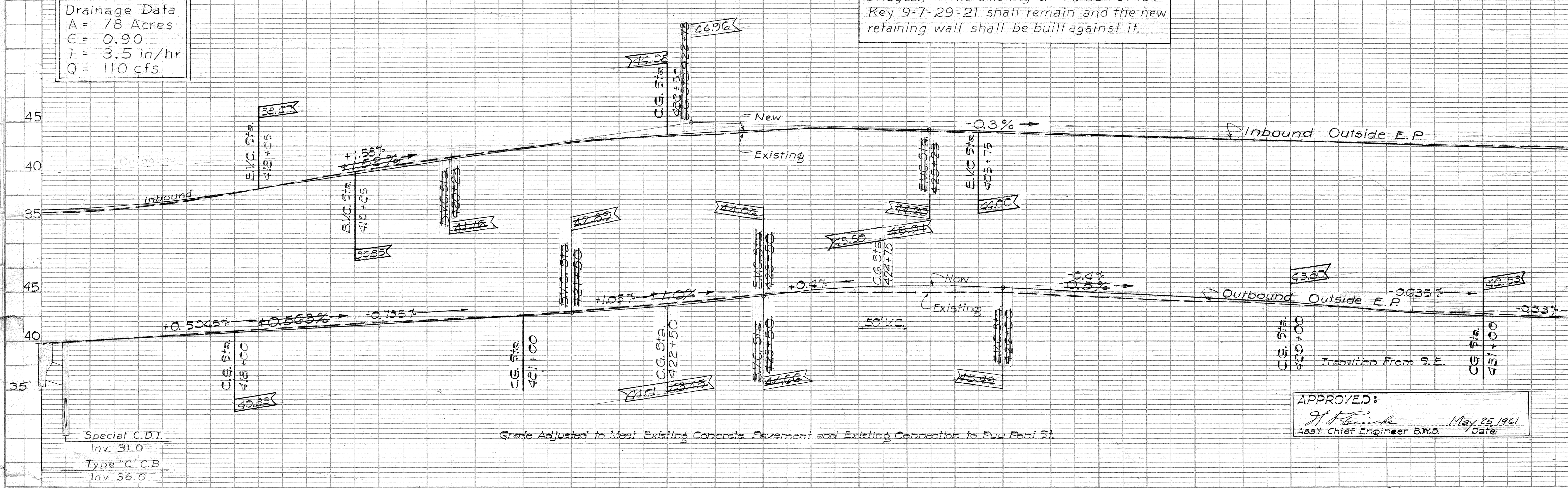
Begin Type "DG"
Curb & Gutter

R/W Boundary Line

NOTE: Existing C.R.M. Wall at Tax Key
9-7-29-8 shall be demolished and the rocks
returned to the owner. Approx. 60 lin. ft.
(Incidental to Structure Exc. other than at
Bridges.) The existing C.R.M. wall at Tax
Key 9-7-29-21 shall remain and the new
retaining wall shall be built against it.

Drainage Data
A = 78 Acres
C = 0.90
i = 3.5 in/hr
Q = 110 cfs

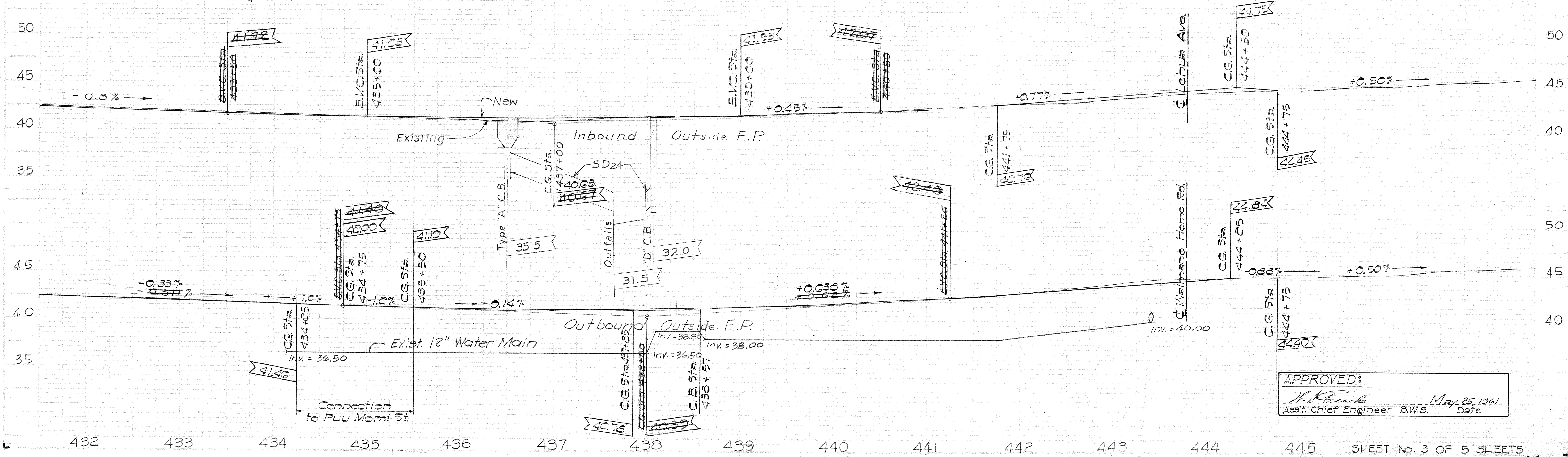
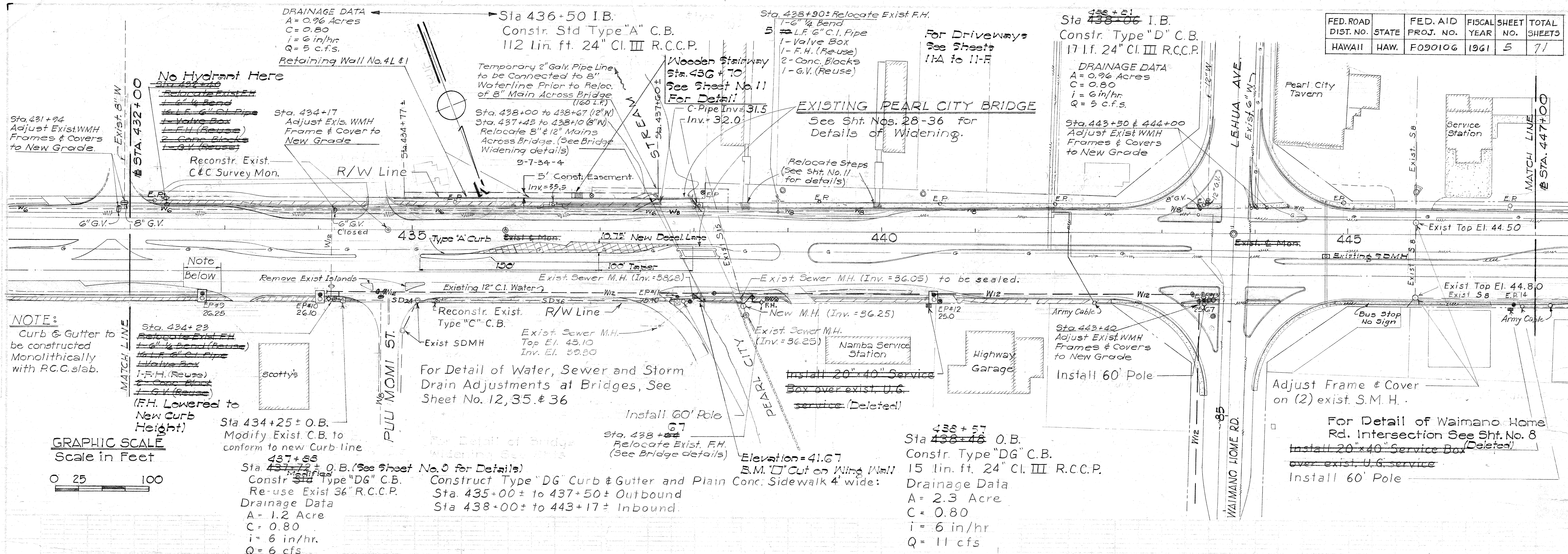
Graphic Scale



APPROVED:
H. J. [Signature]
Asst. Chief Engineer B.W.S. May 25, 1961 Date

Grade Adjusted to Meet Existing Concrete Pavement and Existing Connection to Puu Poni St.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F090106	1961	5	71



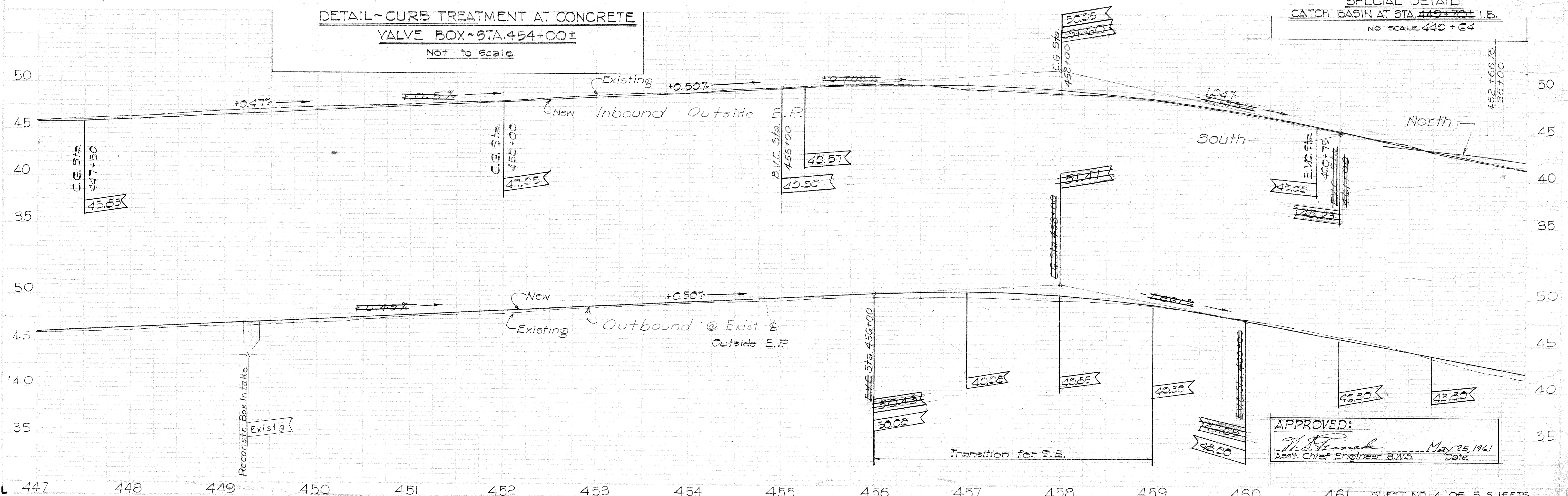
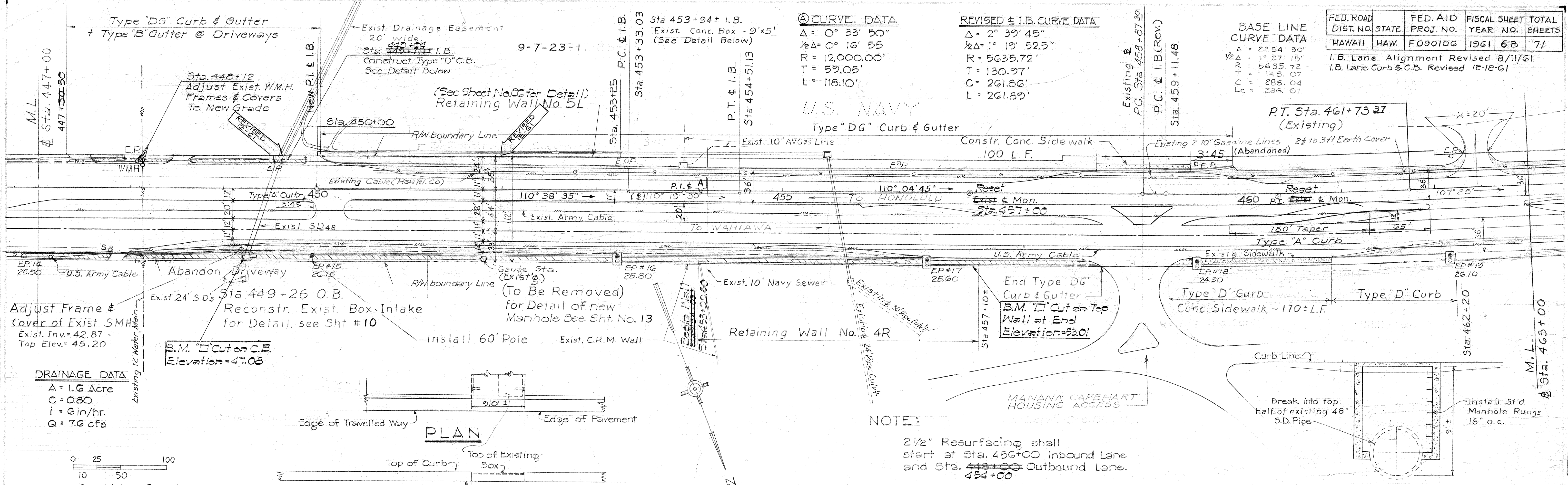
APPROVED:
 H. O. Finkbe
 Asst. Chief Engineer B.W.S.
 May 25, 1961
 Date

PLAN
DATE: 5/25/61
BY: [Signature]
CHECKED: [Signature]
APPROVED: [Signature]

PROFILES
DATE: 5/25/61
BY: [Signature]
CHECKED: [Signature]
APPROVED: [Signature]

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F090106	1961	6B	71

I.B. Lane Alignment Revised 8/11/61
I.B. Lane Curb & C.B. Revised 12-12-61



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
HAWAII	HAW.	F-090-1(6)	1961	7	71

CURVE DATA				
CURVE	Δ	R	T	L
A	22° 15' 00"	1,000.00'	196.65'	388.34'
B	4° 00' 00"	1,750.00'	61.11'	122.17'
C	11° 11' 20"	700.00'	67.54'	136.70'
D	6° 20' 50"	1,050.00'	58.22'	116.32'
E	28° 40' 57"	650.00'	166.38'	325.39'

