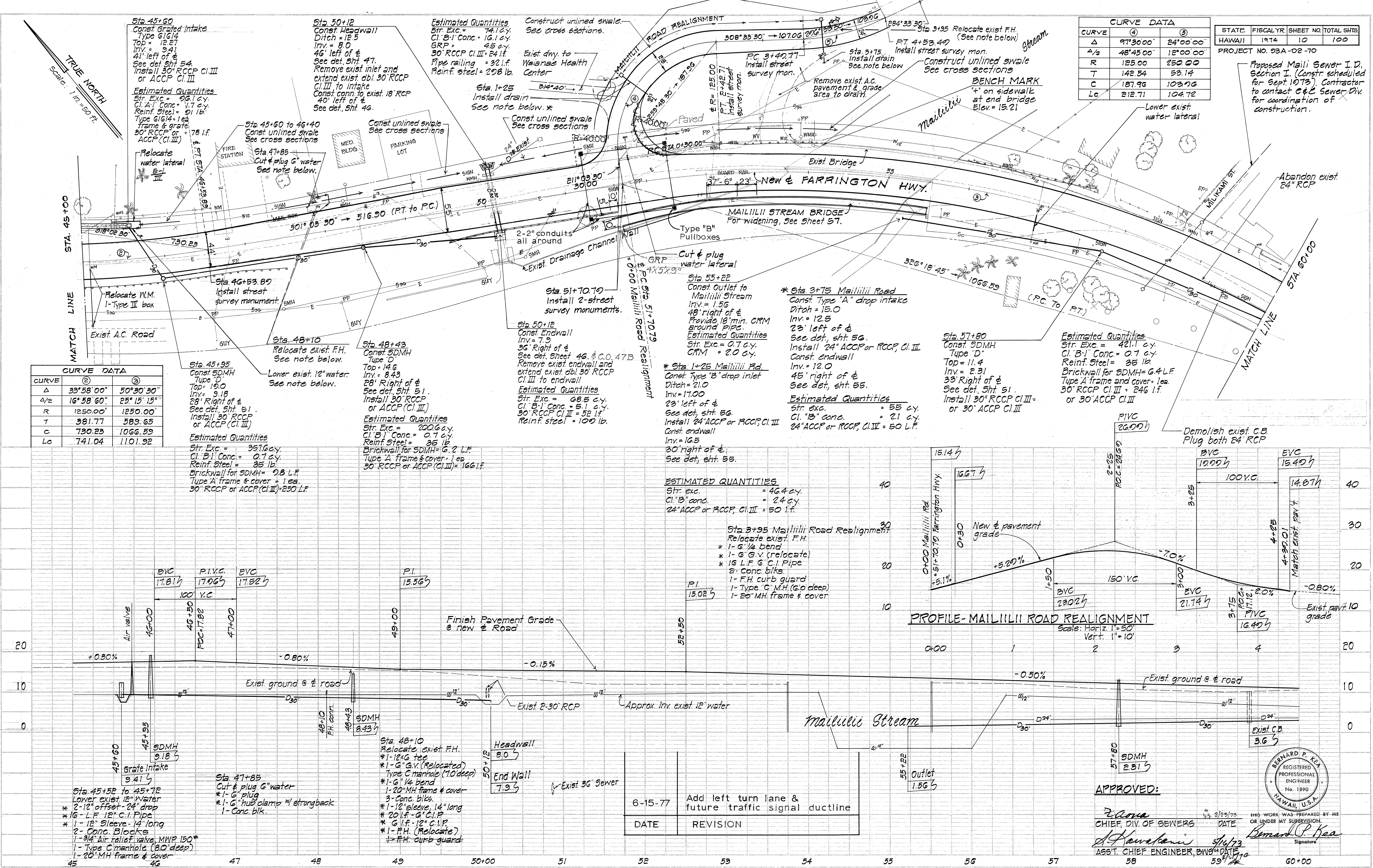




DATE	BY	REVISION
1/10/77	W. J. K.	1.0
1/10/77	W. J. K.	2.0
1/10/77	W. J. K.	3.0
1/10/77	W. J. K.	4.0
1/10/77	W. J. K.	5.0
1/10/77	W. J. K.	6.0
1/10/77	W. J. K.	7.0
1/10/77	W. J. K.	8.0
1/10/77	W. J. K.	9.0
1/10/77	W. J. K.	10.0

DATE	BY	REVISION
1/10/77	W. J. K.	1.0
1/10/77	W. J. K.	2.0
1/10/77	W. J. K.	3.0
1/10/77	W. J. K.	4.0
1/10/77	W. J. K.	5.0
1/10/77	W. J. K.	6.0
1/10/77	W. J. K.	7.0
1/10/77	W. J. K.	8.0
1/10/77	W. J. K.	9.0
1/10/77	W. J. K.	10.0

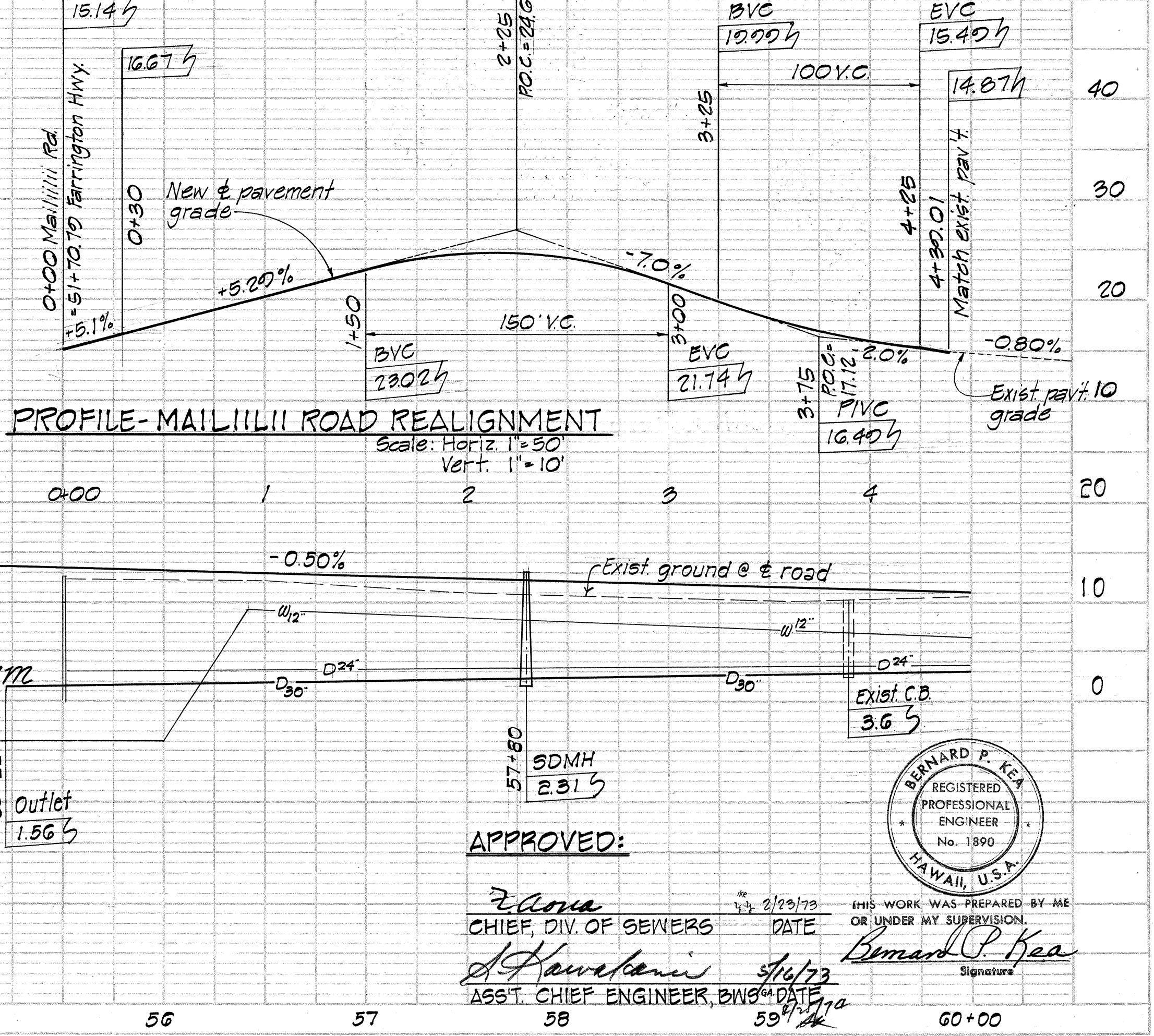


CURVE	②	③
Δ	33°58'00"	50°30'30"
Δ/2	16°59'00"	25°15'15"
R	1250.00'	1250.00'
T	381.77	589.65
C	730.23	1066.59
Lc	741.04	1101.92

CURVE DATA			
CURVE	④	⑤	
Δ	97°30'00"	24°00'00"	
Δ/2	48°45'00"	12°00'00"	
R	125.00	250.00	
T	142.54	53.14	
C	187.96	103.76	
Lc	212.71	104.72	

STATE: HAWAII
FISCAL YR: 1974
SHEET NO: 10
TOTAL SHTS: 100
PROJECT NO: 93A-02-70

Proposed Mailiili Sewer I.D. Section I. (Const. scheduled for Sept. 1973). Contractor to contact C&E Sewer Div. for coordination of construction.



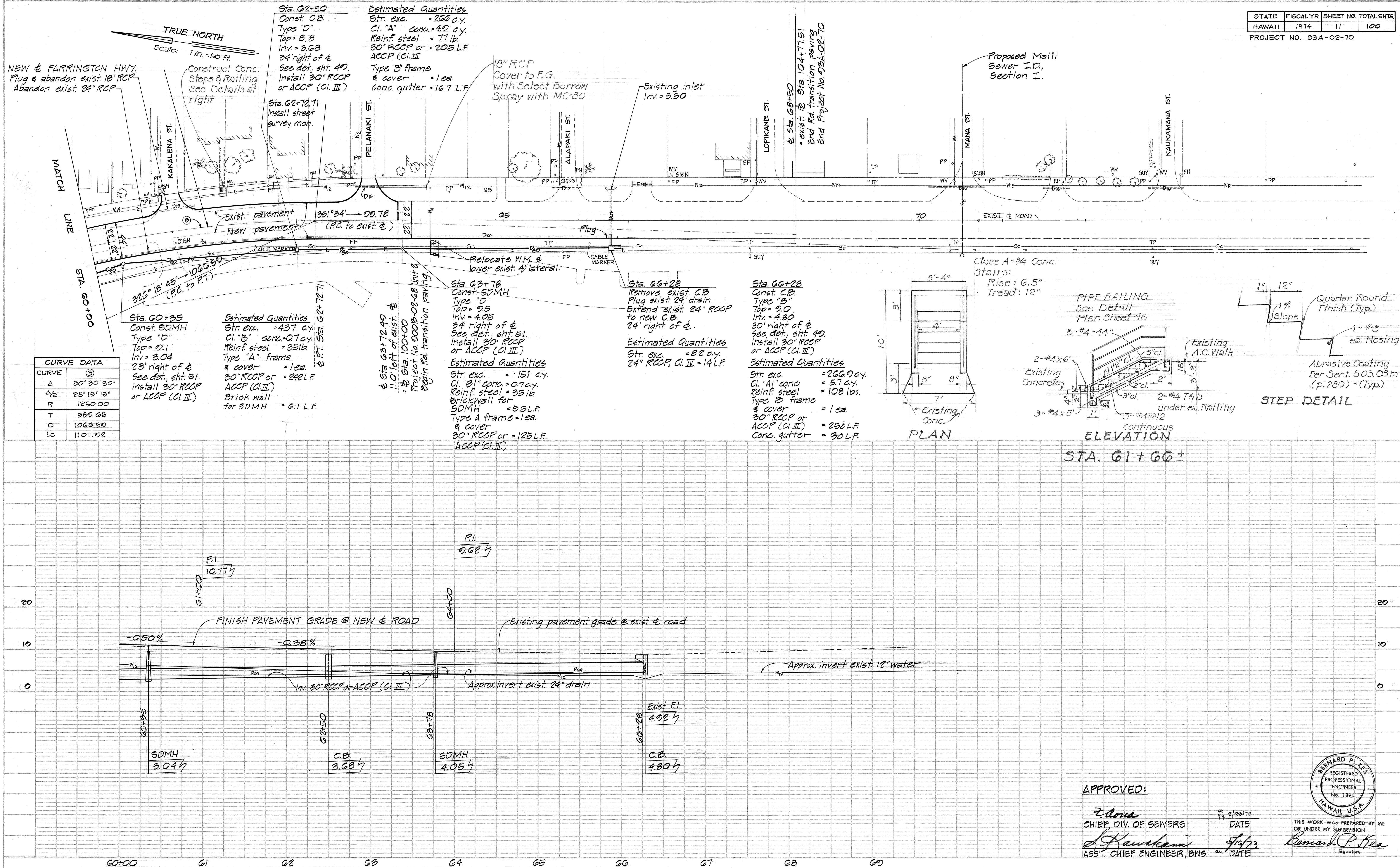
6-15-77	Add left turn lane & future traffic signal ductline
DATE	REVISION

APPROVED:

W. J. K.
CHIEF, DIV. OF SEWERS
DATE: 1/10/77

Bernard P. Kea
REGISTERED PROFESSIONAL ENGINEER
No. 1890
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION



CURVE DATA	
CURVE	③
Δ	50° 30' 30"
Δ/2	25° 15' 15"
R	1250.00
T	580.65
C	1066.50
Lc	1101.02

Sta. 60+35
Const. SDMH
Type "D"
Top = 0.1
Inv. = 3.04
28' right of &
See det. sht. 51.
Install 30" RCP
or ACCP (Cl. III)

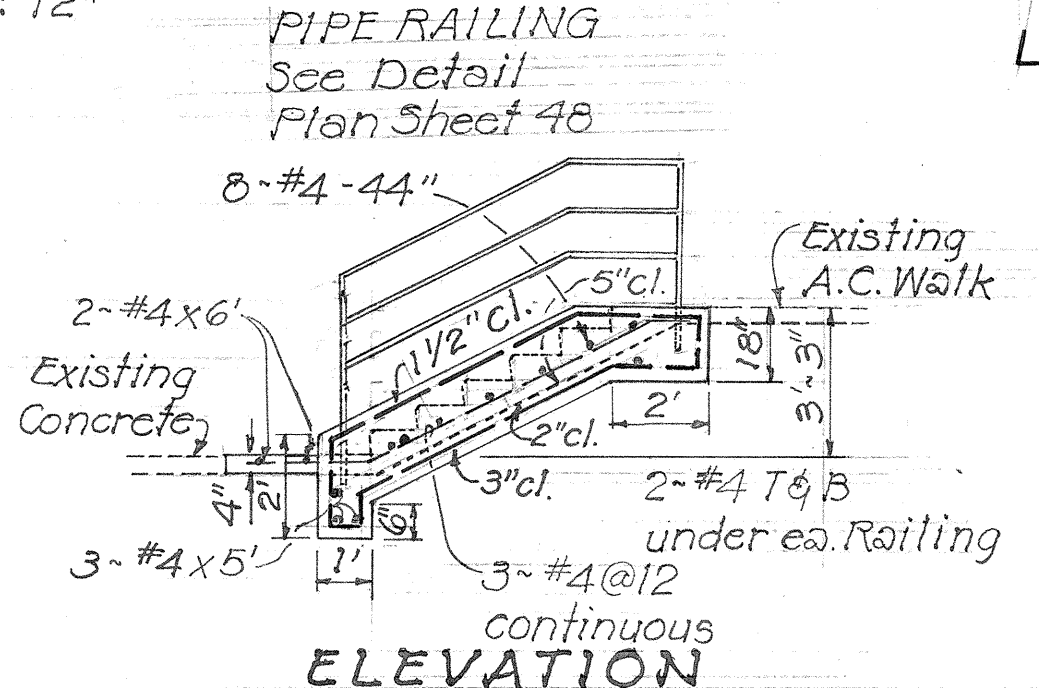
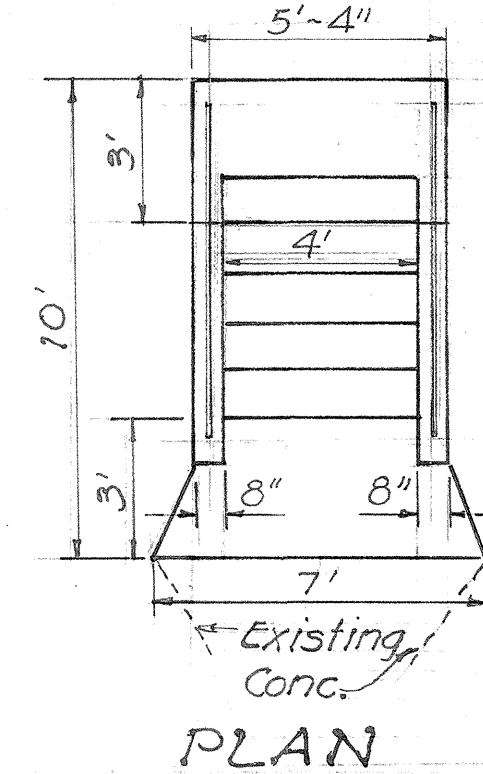
Estimated Quantities
Str. exc. = 457 c.y.
Cl. "B" Conc. = 0.7 c.y.
Reinf. steel = 35 lb.
Type "A" frame
& cover = 1 ea.
30" RCP or = 242 L.F.
ACCP (Cl. III)
Brick wall
for SDMH = 6.1 L.F.

Sta. 63+78
Const. SDMH
Type "D"
Top = 0.5
Inv. = 4.05
34' right of &
See det. sht. 51.
Install 30" RCP
or ACCP (Cl. III)

Estimated Quantities
Str. exc. = 151 c.y.
Cl. "B" Conc. = 0.7 c.y.
Reinf. steel = 35 lb.
Brick wall for
SDMH = 6.5 L.F.
Type A frame = 1 ea.
& cover
30" RCP or = 125 L.F.
ACCP (Cl. III)

Sta. 66+28
Remove exist. C.B.
Plug exist. 24" drain
Extend exist. 24" RCP
to new C.B.
24' right of &
Estimated Quantities
Str. exc. = 82 c.y.
24" RCP, Cl. III = 14 L.F.

Sta. 66+28
Const. C.B.
Type "B"
Top = 9.0
Inv. = 4.80
30' right of &
See det. sht. 40.
Install 30" RCP
or ACCP (Cl. III)



STA. 61+66 ±

APPROVED:

2/20/73
CHIEF, DIV. OF SEWERS
DATE
5/16/73
ASS'T. CHIEF ENGINEER, BWS
DATE

BERNARD P. KEA
REGISTERED
PROFESSIONAL
ENGINEER
No. 1890
HAWAII, U.S.A.
Signature
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.