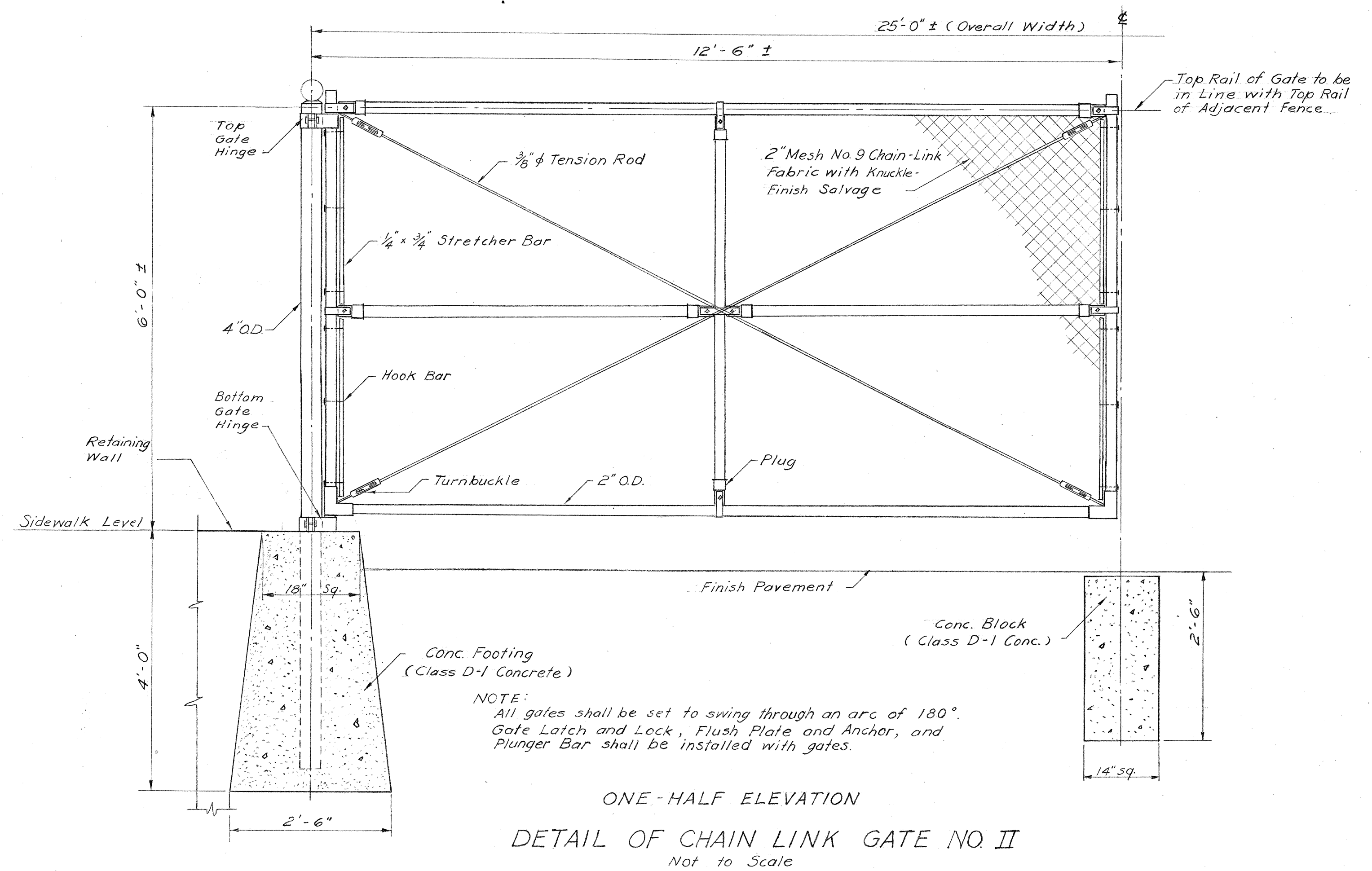


ESTIMATED QUANTITIES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	FU44(5) UNIT 2	1950	35	75

NOTE:
SEE QUANTITY & COST CONTROL SHEETS FOR AS-CONSTRUCTED QUANTITIES.

ITEM	TYPE	LOCATION	TOP CURB ELEV.	TOP E. MANHOLE COVER ELEV.	FLOOR INV. ELEV.	STD. MANHOLE CASTING TYPE	CONC. PIPE CULVERT FT.	STD. REINF. CONC. PIPE FT.	STRUCT. EXC. CU. YDS.	CONCRETE CLASS	C.F. CLASS	REINF. STEEL LBS.
18" Pipe Culv't.		CB#1 to Outlet					32		21.2			
CB#1	Special	122+00	6.18	6.33	0.45	1			16.0	6.6		86
30" Pipe Culv't.		CB#2 to Outlet						82	73.6			
CB#2	Special	124+50	6.72	7.35	0.27	1			19.4	9.0		347
24" Pipe Culv't		CB#2 to CB#3					60		32.6			
CB#3	Std."C"	124+50	6.37	6.43	1.58±	1			14.8	6.0		95
18" Pipe Culv't		CB#3 to CB#4					36		20.2			
CB#4	Std."C"	124+12± (Heikaulike St.)	6.56	6.62	2.33	1			14.1	6.0		95
18" Pipe Culv't		CB#3 to MH#1						44	27.6			
MH#1	"D"	124+64± (Heikaulike St.)			1.76±	1			9.1	0.6		14
18" Pipe Culv't		MH#2 to CB#5					8		5.0			
MH#2	"D"	124+32± (Heikaulike St.)	8.09	8.53	2.62±	1			8.1	0.6		14
CB#5	Std."B"	124+43± (Heikaulike St.)	8.47	8.53	4.24±	1			17.3	6.0		95
24" Pipe Culv't		MH#3 to Outlet					88		70.6			
MH#3	"D"	128+12±		7.16	1.60	1			8.1	0.6		14
18" Pipe Culv't		MH#3 to CB#6					30		18.0			
CB#6	Std."C"	127+82±	7.44	7.50	3.25	1			17.2	5.9		95
18" Pipe Culv't		MH#5 to CB#7					16		10.3			
CB#7	Std."B"	128+28±	7.54	7.60	3.33	1			17.2	5.9		95
24" Pipe Culv't		CB#8 to Outlet					26		17.2			
CB#8	Special	129+50	7.62	7.87	1.53	1			14.4	9.0		394
24" Pipe Culv't		CB#8 to CB#9					66		37.0			
CB#9	Std."A"	129+59±	7.31	7.37	2.54	1			17.3	7.4		125
18" Pipe Culv't		CB#9 to CB#10					62		29.0			
CB#10	Std."B"	130+24±	7.26	7.32	3.03	1			13.3	6.0		95
24" Pipe Culv't		CB#11 to Outlet					30		17.8			
CB#11	Special	132+03±	6.28	6.39	0.60	1			15.2	6.5		86
24" Pipe Culv't		CB#11 to CB#12					66		28.8			
CB#12	Std."C"	132+12±	7.13	7.19	2.10	1			13.9	6.2		95
18" Pipe Culv't		CB#12 to CB#13					82		22.4			
CB#13	Std."B"	132+91±	6.95	7.01	2.86	1			10.9	5.9		95
18" Pipe Culv't		CB#14 to Outlet						86	37.8			
CB#14	Std."B"	134+46±	6.88	6.94	3.30	1			12.3	5.7		95
30" Pipe Culv't		MH#4 to Outlet					68		20.6			
MH#4	"D"	135+17±		6.18	1.19	1			7.8	0.6		14
24" Pipe Culv't		MH#4 to CB#15						66	41.5			
CB#15	Std."A"	134+50	5.61	6.77	1.49	1			18.6	7.7		125
24" Pipe Culv't		MH#4 to CB#17					80		49.5			
CB#17	Std."B"	134+50± (East hel St.)	6.18	6.24	1.43	1			18.7	6.1		95
24" Pipe Culv't		CB#17 to CB#16					64		35.2	7.1		
CB#16	Std."C"	134+28± (East hel St.)	6.26	6.32	2.10	1			15.5	5.9		95
18" Pipe Culv't		CB#16 to Existing Pipe Culv't						60	29.6			
30" Pipe Culv't		MH#5 to Outlet					120		108.5			
MH#5	"D"	136+47±		6.98	1.03	1			8.9	0.6		14
18" Pipe Culv't		MH#5 to CB#19					58		37.2			
CB#19	Std."B"	0+36± E Queen St. Line	6.48	6.54	1.90	1			14.7	6.0		95
18" Pipe Culv't		CB#19 to CB#18					24		12.2			
CB#18	Std."C"	0+10± E Queen St. Line	6.47	6.53	2.20	1			13.8	6.0		95
30" Pipe Culv't		MH#5 to MH#6					30		22.8			
MH#6	"D"	0+98± E Queen St. Line		6.00	1.29	1			6.9	0.6		14
24" Pipe Culv't		MH#5 to MH#7						120	87.5			
MH#7	"D"	137+67±		6.67	1.54	1			8.7	0.6		14
18" Pipe Culv't		MH#7 to CB#22					70		36.0			
CB#22	Std."A"	137+75	7.12	6.82	2.86	1			16.4	7.1		125
18" Pipe Culv't		MH#7 to CB#23					126		79.2			
CB#23	Std."A"	139+13± (East St.)	6.19	6.25	2.09	1			20.2	7.2		125
MH#8	"D"	1+83± E Queen St. Line		5.82	1.59	1			6.3	0.6		14
18" Pipe Culv't		MH#8 to CB#20					8		3.9			
CB#20	Std."D"	1+75 E Queen St. Line	6.19	6.25	1.96	1			14.1	4.7		65
18" Pipe Culv't		MH#8 to CB#21					48		23.6			
CB#21	Std."D"	2+25 E Queen St. Line	6.38	6.38	2.15	1			14.1	4.6		65
Retaining Wall									3.2		30.6	



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
ESTIMATED QUANTITIES OF STRUCTURES
AND DETAIL OF CHAIN LINK GATE
HONOLULU - PEARL HARBOR ROAD
QUEEN STREET SECTION
PROJECT NO. FU 44(5)

JUNE 1950

SHEET NO. 1 OF 1 SHEETS

5483.35

DATE: _____
DESIGNED BY: _____
CHECKED BY: _____
ORIGINAL PLAN: _____
NOTE BOOK: _____
NO. _____