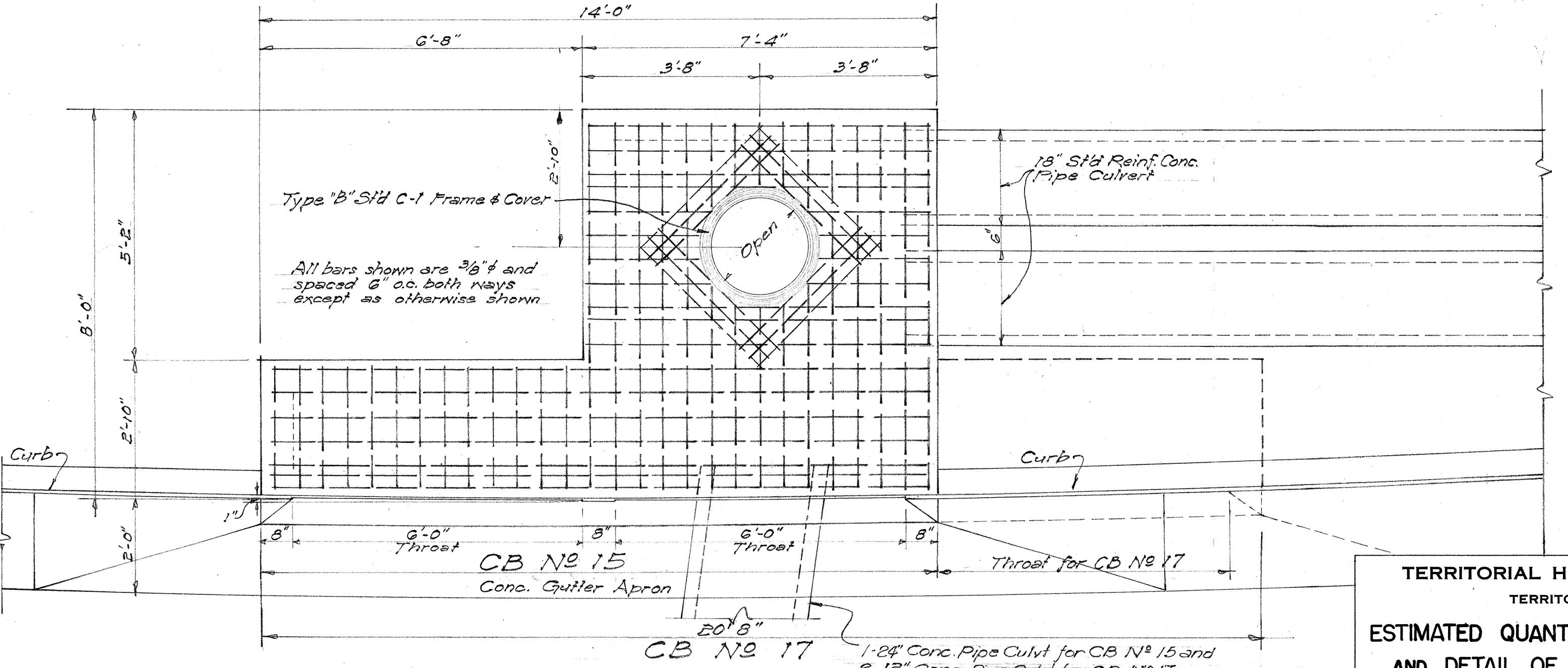
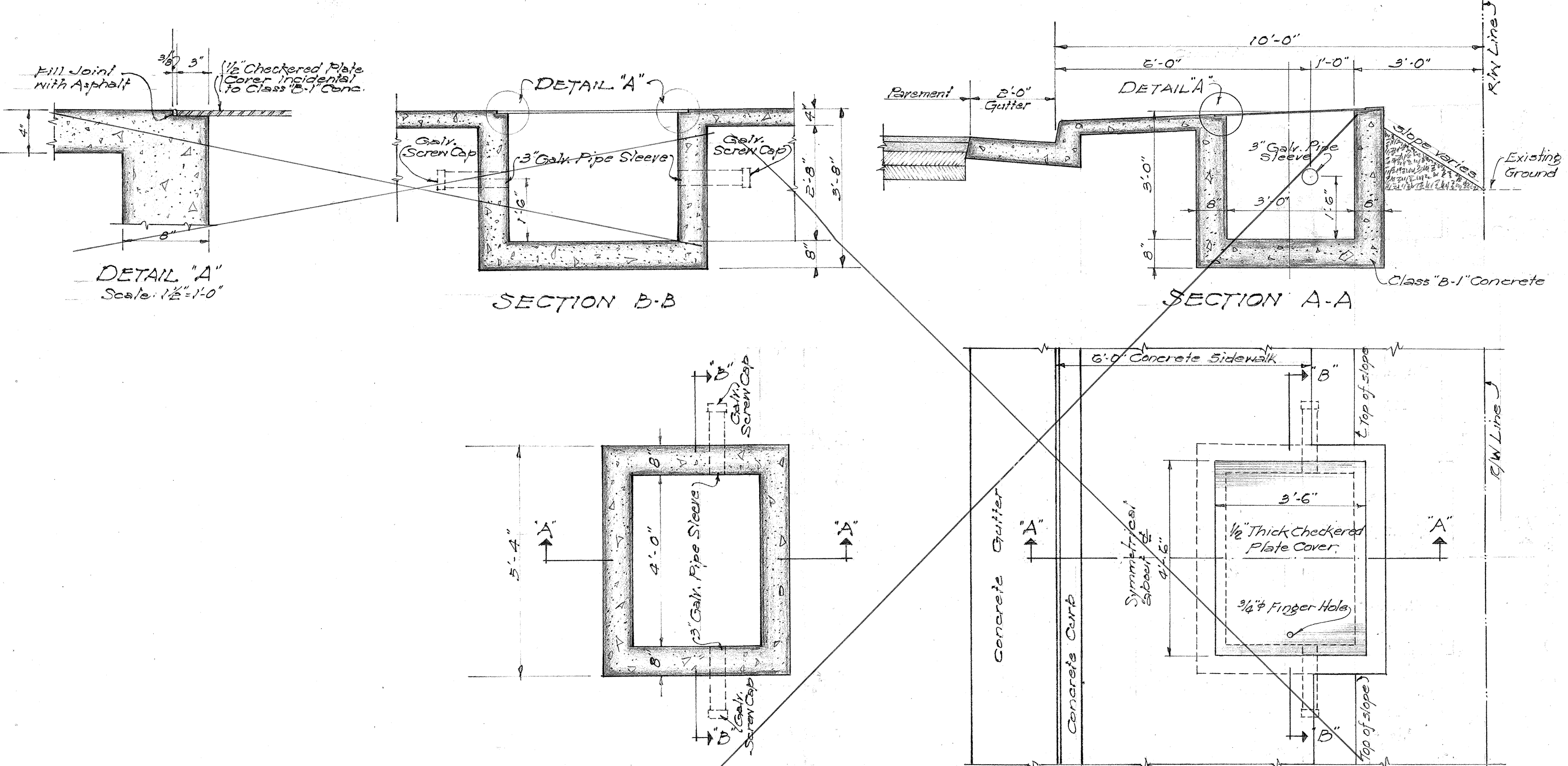


ESTIMATED QUANTITIES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	U 44(9)	1949	37	48

ITEM	TYPE	LOCATION	TOP CURB ELEV.	TOP & MANHOLE COVER ELEV.	FLOOR INV. ELEV.	STD. MANHOLE CASTING TYPE	CONC. PIPE CULVERT	STD. REINF. CONC. PIPE	STRUCT. EXC.	CONCRETE CLASS	C.Y.	REINF. STEEL LBS.
54 Conc. Box Culvt		70+75 To Outlet				1			409.6	123.7		16,703
Conc. Box Culvt "A"		70+75 To 70+75				1			128.8	47.0		7,752
18" Pipe Culvt		CB #1 To Box Culvt "A"					62		29.1		5.9	
CB #1	Std "A"	70+81	4.19	4.25	0.02	1			16.9	6.7		126
CB #2	Special	72+20	4.20	4.35	0.65	1			31.6	10.7		1,594
18" Pipe Culvt		CB #3 To CB #2					122		37.1		16.7	
CB #3	Std "A"	72+87.5	4.30	4.36	1.27	1			11.9	6.5		126
Conc. Box Culvt "A"		70+80 To CB #2				2			261.4	124.4		20,318
18" Pipe Culvt		CB #6 To Box Culvt "A"					110		33.5			
CB #6	Std "C"	Hebron Ln. 9+00	5.15	5.21	1.30	1			9.7	5.0		96
Conc. Drop Intake		Sta 71+25			1.25				3.1	1.8		14
18" Pipe Culvt		CB #1 To CB #4					66		23.7		7.7	
18" Pipe Culvt		CB #4 To Box Culvt "A"						45	12.5			
CB #4	Std "B"	Hebron Ln. 1+00	4.20	4.26	1.27	1			10.5	4.9		96
18" Pipe Culvt		CB #5 To CB #4					42		11.1		7.1	
CB #5	Std "C"	Hebron Ln. 1+00	4.20	4.26	1.32	1			10.1	5.0		96
Conc. Box Culvt "B"		Box Culvt "C" To Box Culvt "A"							68.9	43.4		6,588
Conc. Box Culvt "C"		CB #18 To Box Culvt "C"				1			319.2	119.8		19,786
CB #8	Special	80+75	4.07	4.22	1.00	1			27.2	10.7		1,594
18" Pipe Culvt		CB #9 To CB #5					58		18.0		6.6	
CB #9	Std "A"	80+75	4.09	4.15	1.50	1			9.9	6.3		126
Conc. Box Culvt "C"		CB #11 To CB #8							161.0	60.4		3,979
CB #11	Special	82+78	4.65	4.80	0.40	1			24.0	7.5		1,203
5x3 Conc. Box Culvt		CB #11 To Outlet (6+23)				2	1		775.8	406.3	10.0	37,414
18" Pipe Culvt		CB #10 To 5x3 Box Culvt					23		12.4		4.0	
CB #10	Std "A"	82+25	4.38	4.44	1.25	1			14.3	6.4		126
Conc. Box Culvt "C"		CB #13 To CB #11				2			396.9	148.9		24,604
CB #13	Special	87+50	4.16	4.31	0.40	1			22.2	10.7		1,594
Conc. Box Culvt "C"		Sta. 88+44 To CB #13				1			77.7	29.2		4,817
18" Pipe Culvt		CB #15 To Box Culvt "C"					60	50	51.0		8.1	
CB #18	Std "C"	Cons. Rd. 0+801	4.83	4.89	0.40	1			15.2	5.8		96
24" Pipe Culvt		CB #18 To CB #13					33		26.4		11.9	
CB #12	Special	87+50		4.13	0.40	1			14.0	6.7		181
24" Pipe Culvt		CB #19 To CB #12					58	40	56.5		13.2	
CB #14	Std "C"	Kalia Rd. 3+33.1	3.78	3.64	0.40	1			13.6	5.2		96
24" Pipe Culvt		CB #15 To CB #14					54		37.7		12.3	
CB #15	Special	Kalia Rd. 3+41.1	3.81	3.91	0.40	1			16.7	6.2		130
18" Pipe Culvt		CB #17 To CB #15						508	171.6			
CB #17	Special	Kalia Rd. 6+00	3.13	3.23	0.47	1			17.2	7.2		160
12" Pipe Culvt		CB #16 To CB #17					32		13.2		5.4	
CB #16	Std "A"	Kalia Rd. 6+00	3.13	3.19	0.55	1			14.5	6.3		126
CB #19	Std "A"	77+38.1	3.45	3.54	2.60	1			16.4	6.4		126
18" Pipe Culvt		CB #20 To CB #19					40	22	23.7		5.4	
CB #20	Std "A"	97+25	3.53	3.59	2.54	1			15.5	6.4		126
18" Pipe Culvt		CB #21 To CB #20					48		13.4		8.4	
CB #21	Std "A"	97+25	3.45	3.51	2.49	1			16.4	6.4		126
18" Pipe Culvt		CB #22 To CB #21					126		58.4		17.4	
CB #22	Std "C"	Kalakaua Ave. 2+34	3.91	3.97	2.36	1			14.0	5.6		96
24" Pipe Culvt		CB #23 To CB #22					64	152	134.5		2.2	
CB #23	Std "C"	Kalakaua Ave. 2+30.1	3.69	3.75	2.15	1			13.7	5.2		96
Retaining Wall at Bridge		Beginning of Proj.							12.0	21.8		286
Retaining Wall									19.3		51.5	



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
ESTIMATED QUANTITIES OF STRUCTURES
AND DETAIL OF TYPE "B" PULL BOX
HONOLULU - PEARL HARBOR ROAD
ALA MOANA BRIDGE TO KALAKAUA AVE.
PROJECT NO. U 44(9)
SCALE: AS NOTED
NOVEMBER, 1949

SHEET NO. OF SHEETS

5420.37

DATE
DRAWN BY
CHECKED BY
NOTE BOOK
No.