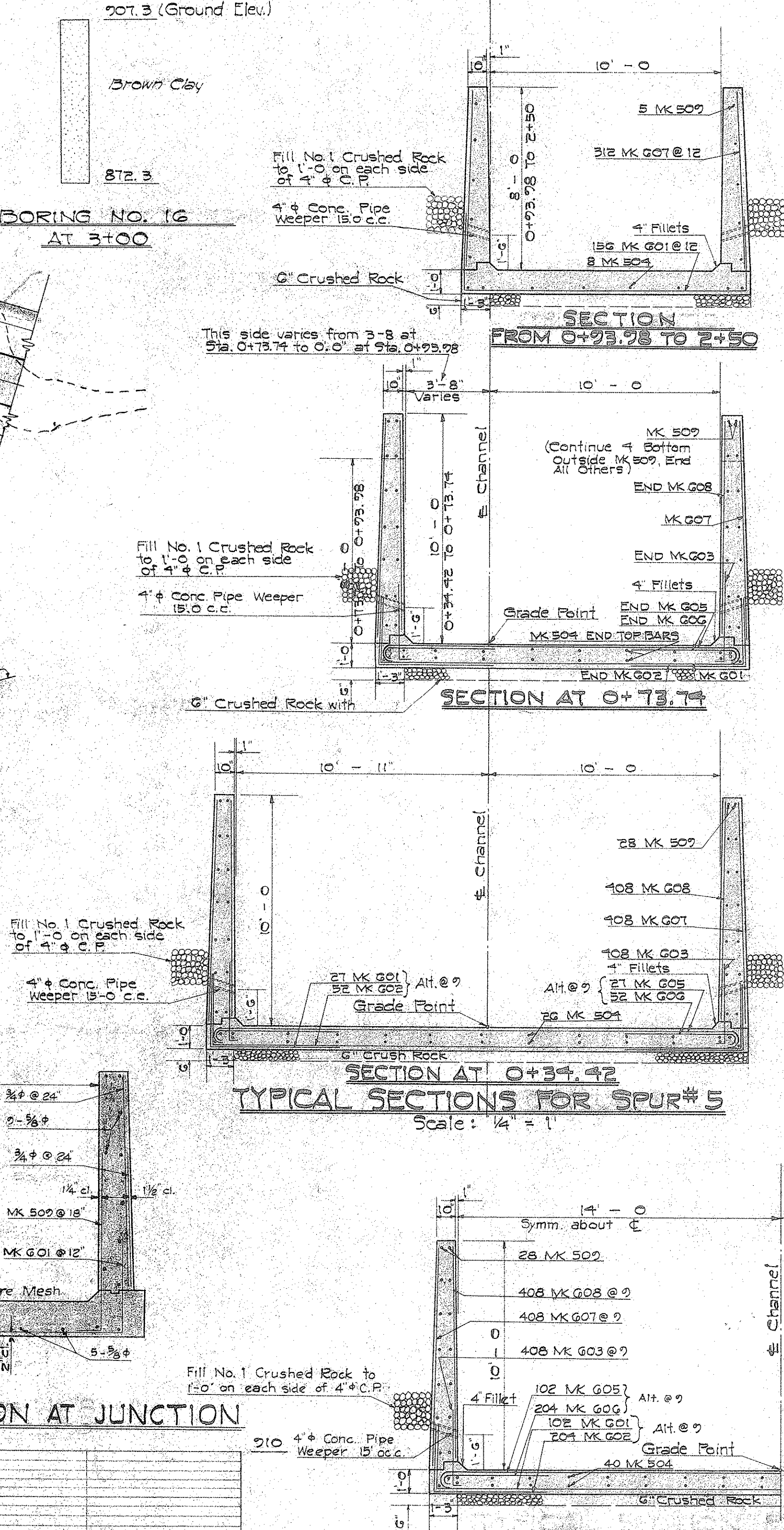
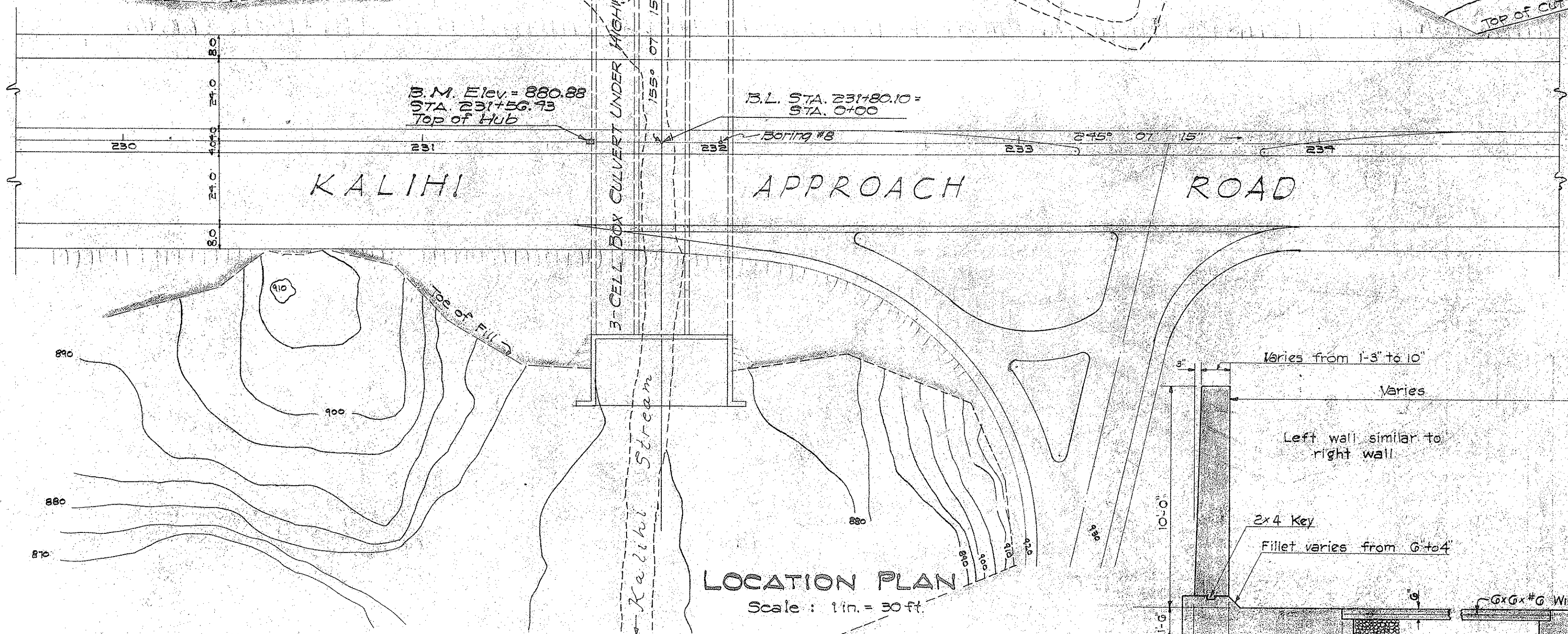




BENDING DIAGRAMS All dimensions out to out		MARK	NO.	SIZE	LENGTH	REMARKS
<u>STA. 1+32.25 TO 2+84.67</u>						
0 m	30 - 2 MK G01	0 m	G01	102	3/4"	30-2
			G02	204	3/4"	8-0
			G03	408	3/4"	4-3
		0 m	G04	40	5/8"	Varies All bars concentric to E Curve. Total = 6037 L.F.
	5 - 0 MK G02		G05	102	3/4"	31-6 Standard Hook
			G06	204	3/4"	5-8 Standard Hook
	3 - 9 MK G03	0 m	G07	408	3/4"	9-9 Straight
			G08	408	3/4"	9-5 Straight
			G09	28	5/8"	Varies $\frac{14.8}{14.8} \times \frac{15}{124} = 1.8$ $\frac{8}{8} \times \frac{8}{80} = .8$
<u>QUANTITIES REQ'D:</u> "B-1" CONC: 289.6 C.Y. STEEL: 38,800 L.B.						
<u>CURVE #5 STA. 0+34.42 TO 0+73.98</u>						
0 m	Varies from 12-3 to 23-1 MK G01	0 m	G01	47	3/4"	Varies Total = 1214 - 5 L.F.
			G02	52	3/4"	8-0
			G03	106	3/4"	4-3 Bars under left wall concentric to left wall curve, all others concentric to E curve.
	5 - 0 MK G02	0 m	G04	28	5/8"	Varies Total = 597 - 3 L.F.
			G05	21	3/4"	Varies
			G06	52	3/4"	5-8
	3 - 9 MK G03	0 m	G07	46	3/4"	Varies $\frac{106}{46} \times \frac{9-9}{5-8}$ } Straight Bars
			G08	106	3/4"	9-5 Straight
			G09	28	5/8"	Varies $\frac{46}{46} \times \frac{9-5}{5-8} = 1.0$ $\frac{106}{46} \times \frac{14-1}{14-1} = 1.0$ with R=55 $\frac{46}{46} \times \frac{53-9}{53-9} = 1.0$ $\frac{33}{33} \times \frac{0}{0} = 0$ with R=58
<u>QUANTITIES REQ'D:</u> "B-1" CONC: 81.1 C.Y. STEEL: 10,423 L.B.						
<u>CURVE #5 STA. 0+73.98 TO 2+50</u>						
0 m	12 - 3 MK G01	0 m	G01	156	3/4"	(8-3
			G04	8	5/8"	156-0 Straight
			G07	312	3/4"	7-9 Straight
			G09	10	5/8"	156-0 Straight
<u>QUANTITIES REQ'D:</u> "B-1" CONC: 1652 C.Y. STEEL: 8078 L.B.						
<u>JUNCTION</u>						
7'-0"	MK 509	0 ft	509	33.	5/8"	8'-0"
			601	48	3/4"	10'-3"
			26	3/4"	9'-3"	Straight
			28	5/8"	Varies	Straight $\frac{14}{44} \times \frac{25}{21}$
			26	3/4"	5'-0"	Straight
			606			#6 Wire Mesh (Area=1020#)
<u>QUANTITIES REQ'D:</u> "B-1" CONC: 58.0 C.Y. STEEL: 1854 L.B.						

Note: This Schedule is prepared for Estimating purposes only. Contractor to verify Quantities and Dimensions for final Bidding and Placing.

4-1 Conc. Pipe Weepers and Crushed Rock Filter Material shall be paid for separately, but shall be incidental to Proposal Item No. 2-E-1 Class "B-1" concrete.

32.25 +a 2+84.67

EL

of work on
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r. location of
direct his work
to be accomplished
w/ps.

DEPARTMENT OF PUBLIC WORKS

CITY AND COUNTY OF HONOLULU

BUREAU OF PLANS

KALIHI TUNNEL

STREAM DIVERSION

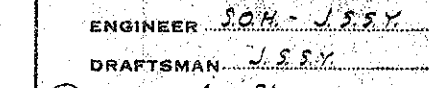
INTERSECTION DETAILS

CURVE 1 & SPUR 5

ENGINEER SCH. JEFF

DRAFTSMAN J.S.F.

SCALE AS SHOWN

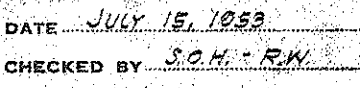
APPROVED: 

CHIEF ENGINEER

DATE JULY 15, 1952

CHECKED BY SCH. RW

TRACER J.S.

APPROVED: 

BUREAU ENGINEER

APPROVED

ENGINEER, KALIHI TUNNEL

W. S.	PROFILE
CR. SEC.	F. E.
W. M. BY:	F. W. BY:

C. B.
S. D.
S. BY:

SECTION C

JOB NO. 26 - 53

DWG. S-5

Sheet No. 62 of 252 Sheets

FILE	POCKET	FOLDER	NO.