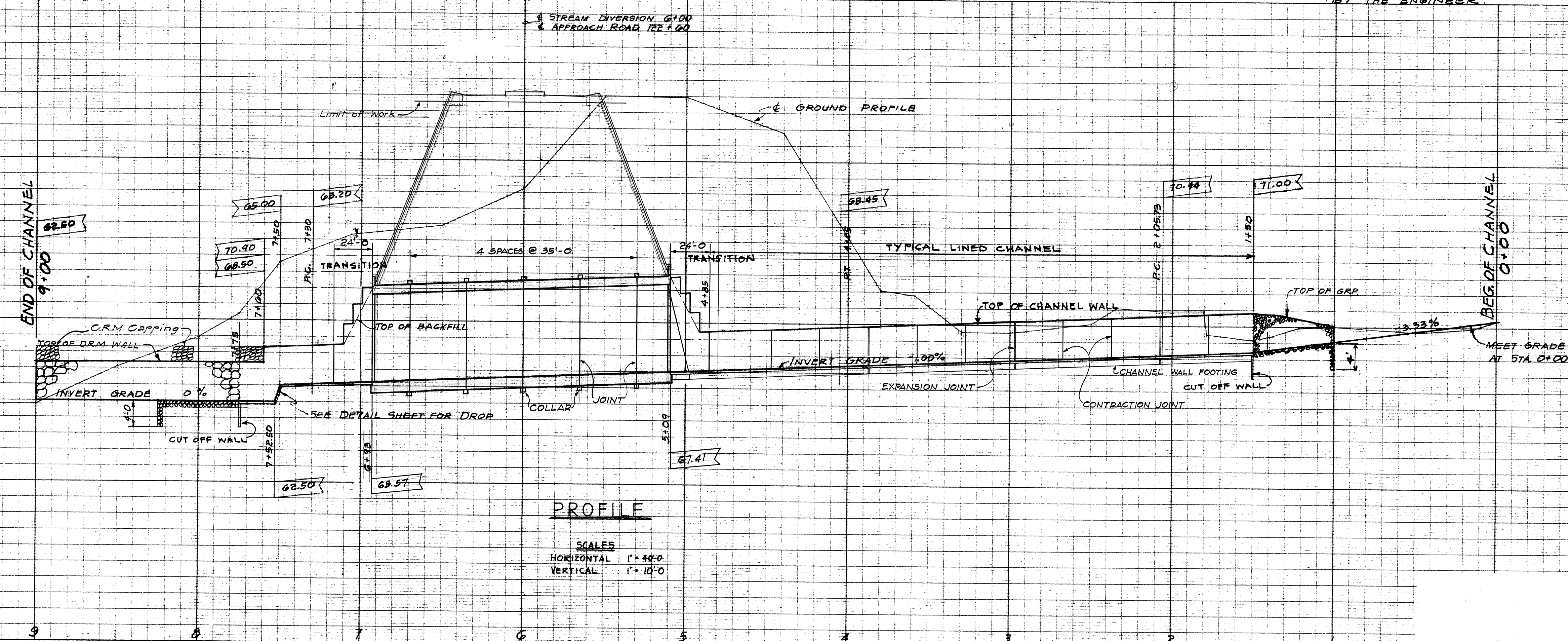
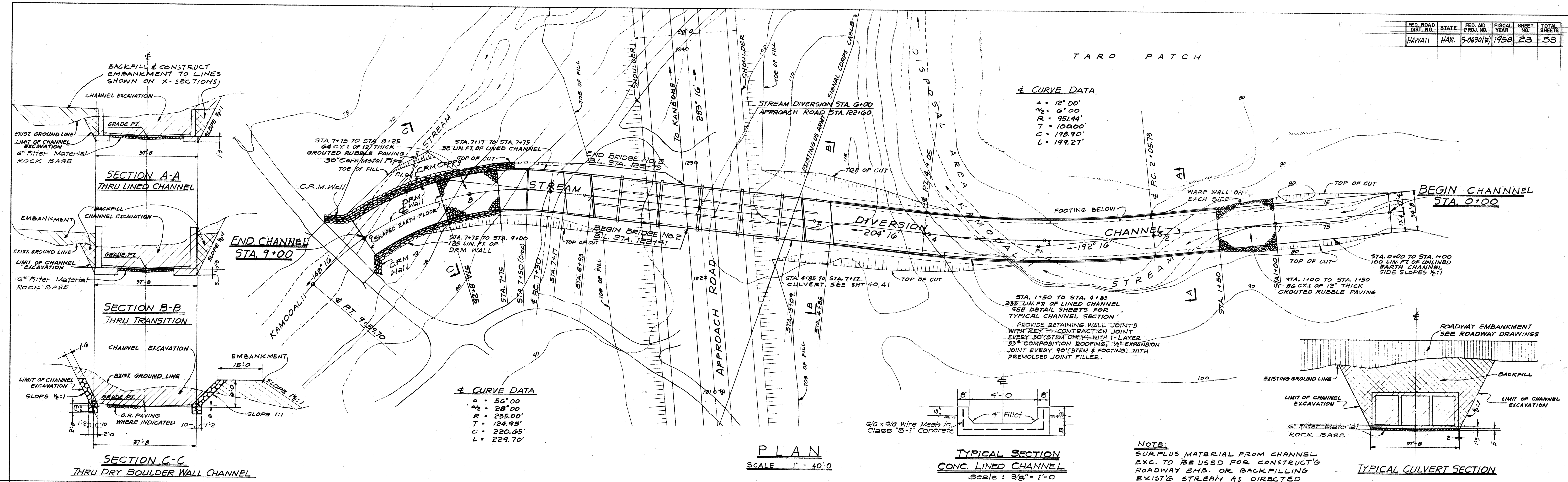


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	5-0630(S)	1958	23	53



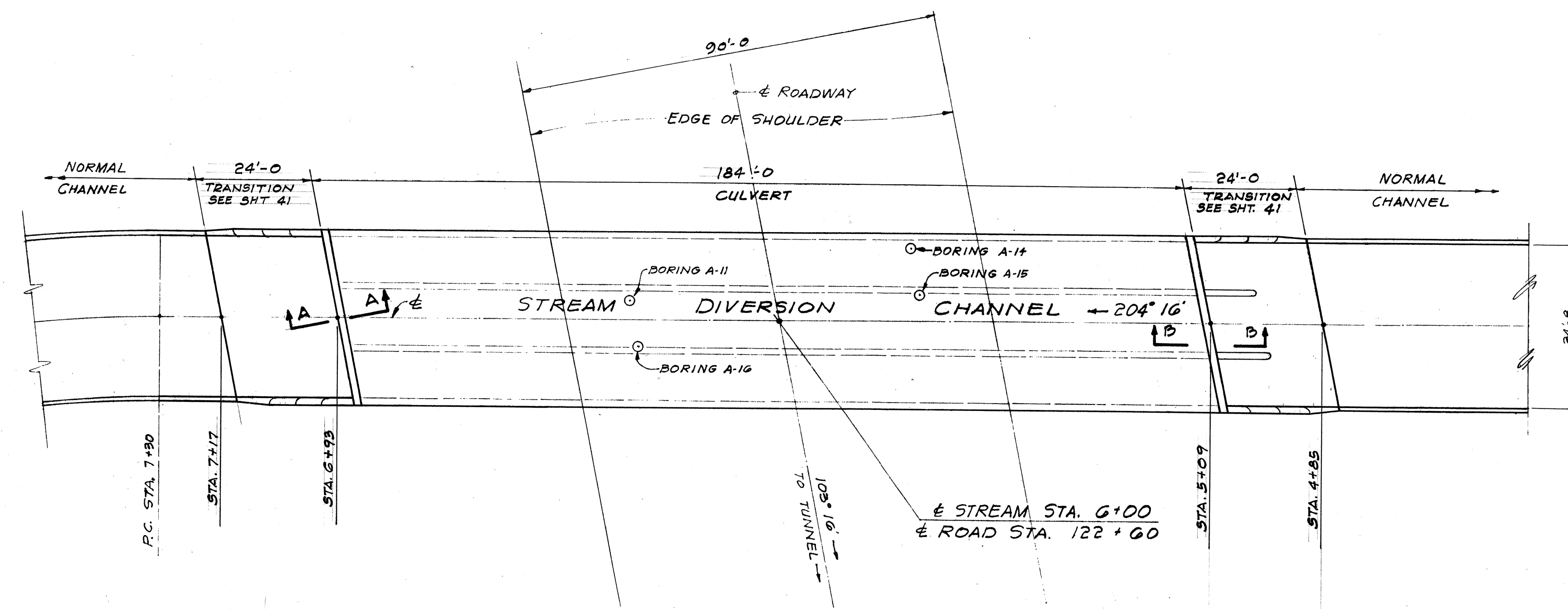
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

BRIDGE No. 2
STA. 122+41 TO STA. 122+79

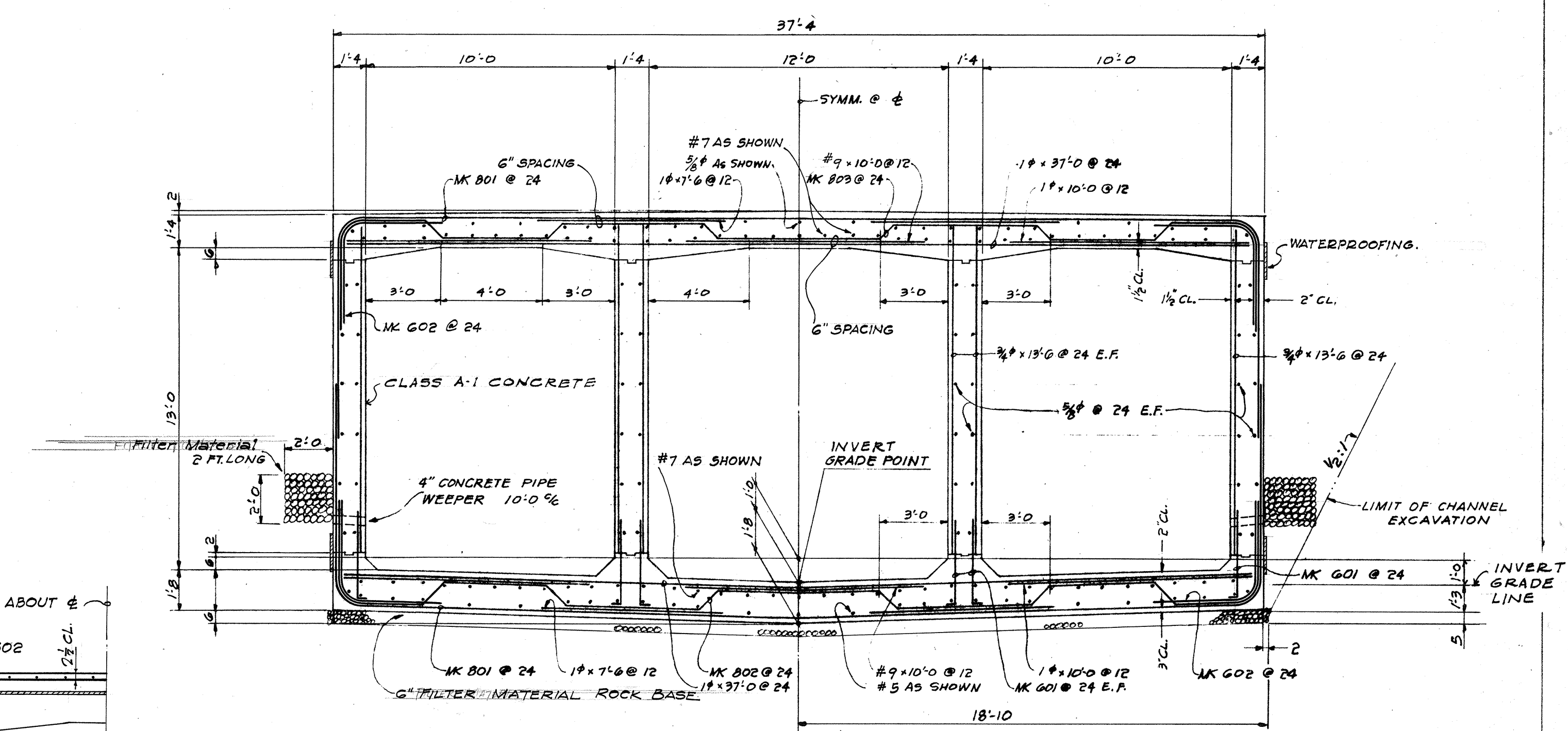
LIKELIKE HIGHWAY
FED. AID SECONDARY PROJ. NO. S-0630(S)

SCALE: AS NOTED MAY 1957

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	5-0630(5)	1958	24	53

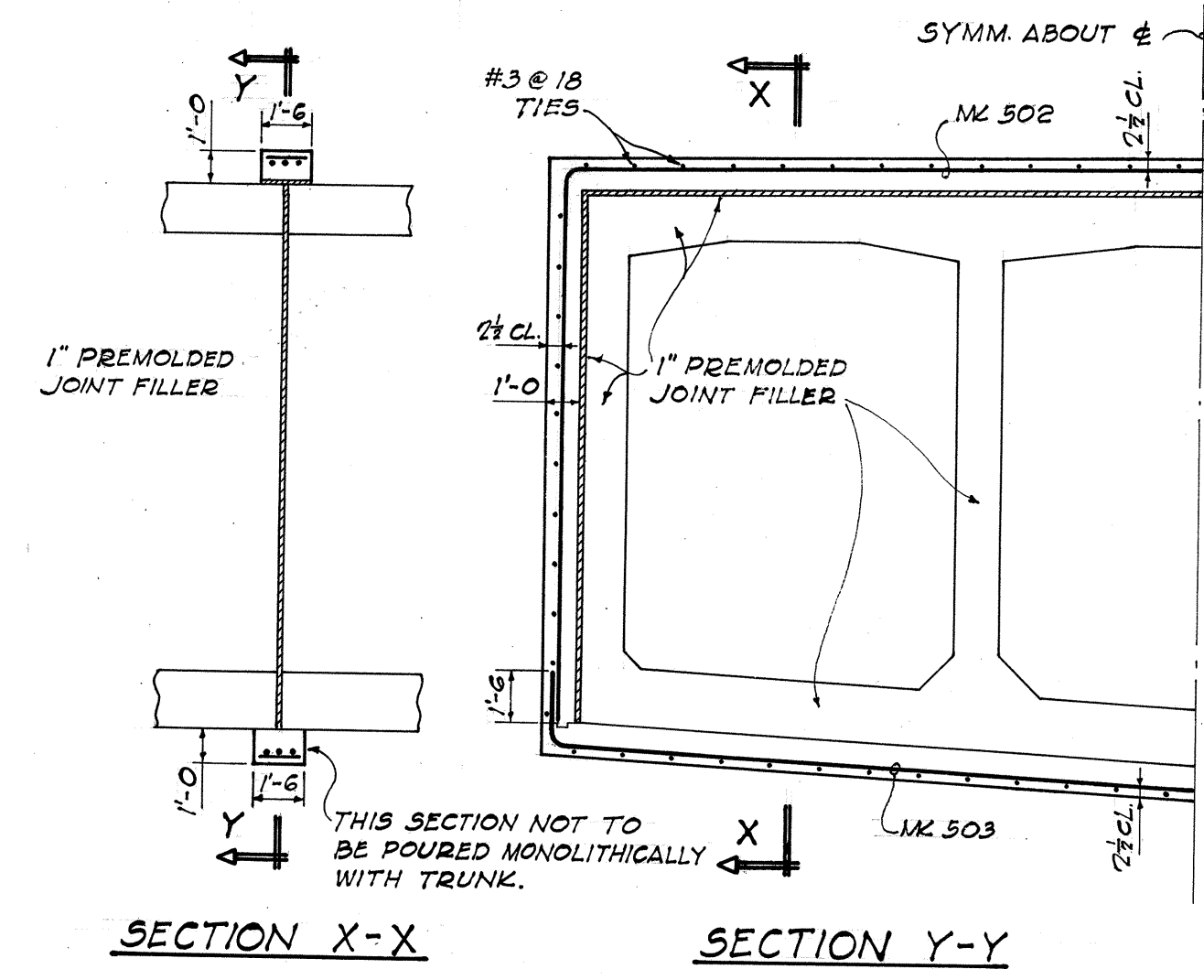


PLAN
1" = 20' 0"

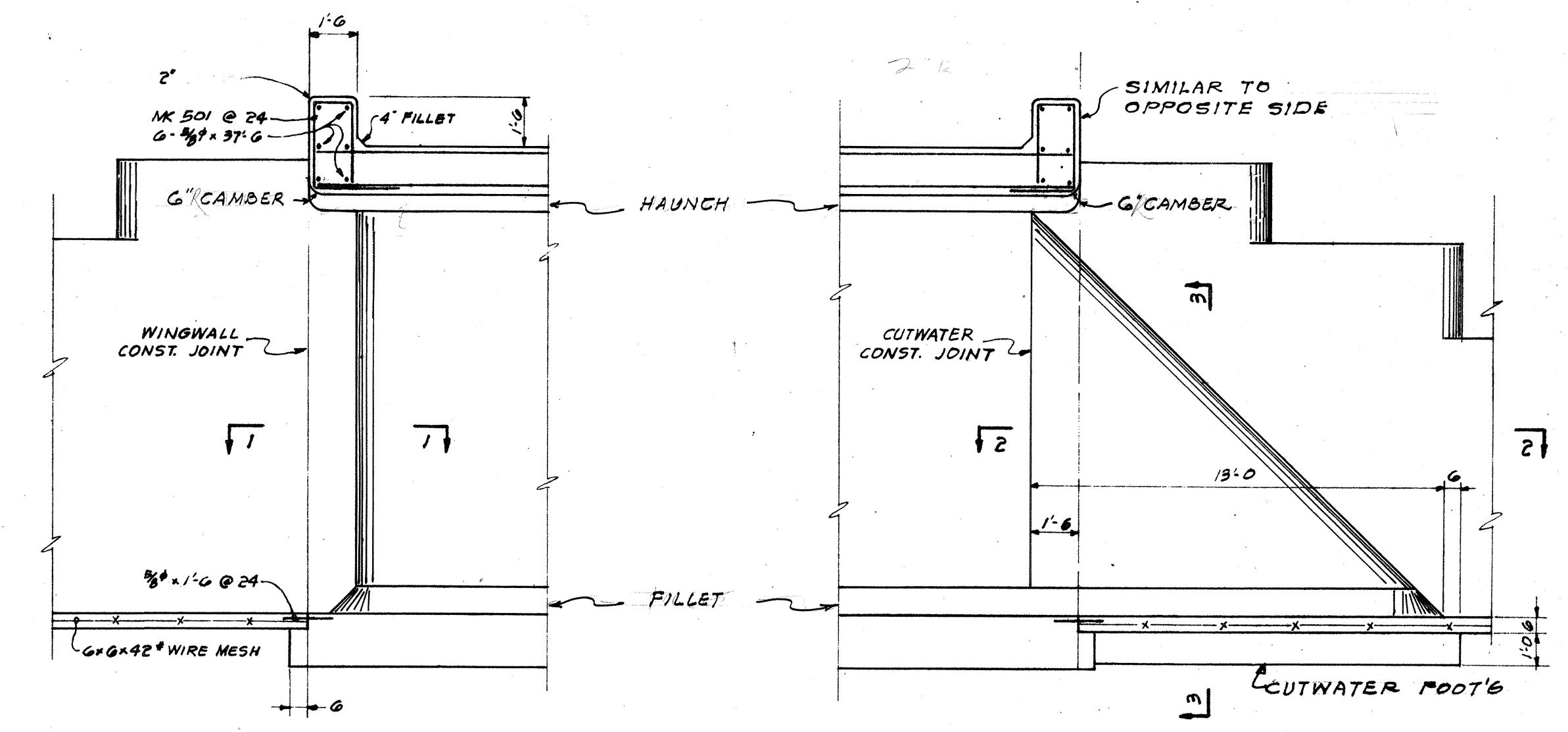


TYPICAL CULVERT SECTION
1/4" = 1' 0"

BORING A-11	BORING A-14	BORING A-15	BORING A-16
92.6 COMPACT BROWN SOIL AND SOFT ROCK	103.7 VERY COMPACT BROWN SOIL AND SOFT ROCK	105.4 VERY COMPACT BROWN SOIL AND SOFT ROCK	92.5 VERY COMPACT BROWN SOIL AND SOFT ROCK
82.1 FAIRLY COMPACT BROWN SOIL	97.9 COMPACT SOIL	95.4 COMPACT BROWN SOIL	81.6 FAIRLY COMPACT BROWN SOIL
71.7 MEDIUM HARD BROWN ROCK	91.3 COMPACT BROWN SOIL AND SOFT ROCK	92.4 FAIRLY COMPACT DITTO	74.5 BOULDER
70.9 HARD LAVA ROCK PROBABLY BOULDER	87.9 VERY COMPACT GRITTY BROWN SOIL	82.4 BOULDER	74.2 FAIRLY COMPACT BROWN SOIL AND SOFT ROCK
69.9 FAIRLY COMPACT GRITTY BROWN SOIL	82.3 FAIRLY COMPACT DITTO	81.8 BOULDER	69.5 BOULDER
	75.8 BOULDER	77.3 VERY COMPACT BROWN SOIL AND SOFT ROCK	69.1 BOULDER
	75.6 FAIRLY COMPACT BROWN SOIL AND SOFT ROCK	75.7 BOULDER	65.5 COMPACT SOIL AND SOFT ROCK
	70.7 FAIRLY COMPACT BROWN SOIL AND SOFT ROCK	68.2 BOULDER	64.9 BOULDER
		54.9 FAIRLY COMPACT SOIL AND GRIT	54.0 FAIRLY COMPACT SOIL AND SOFT ROCK

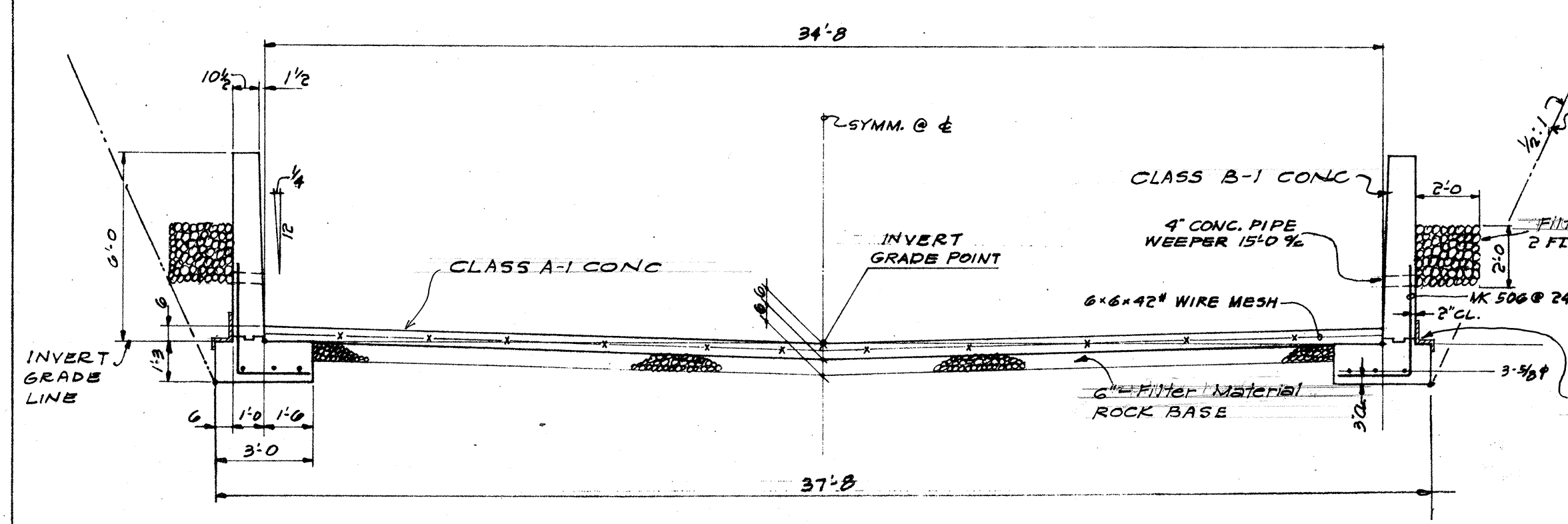


TYPICAL CONCRETE COLLAR FOR BOX CULVERTS

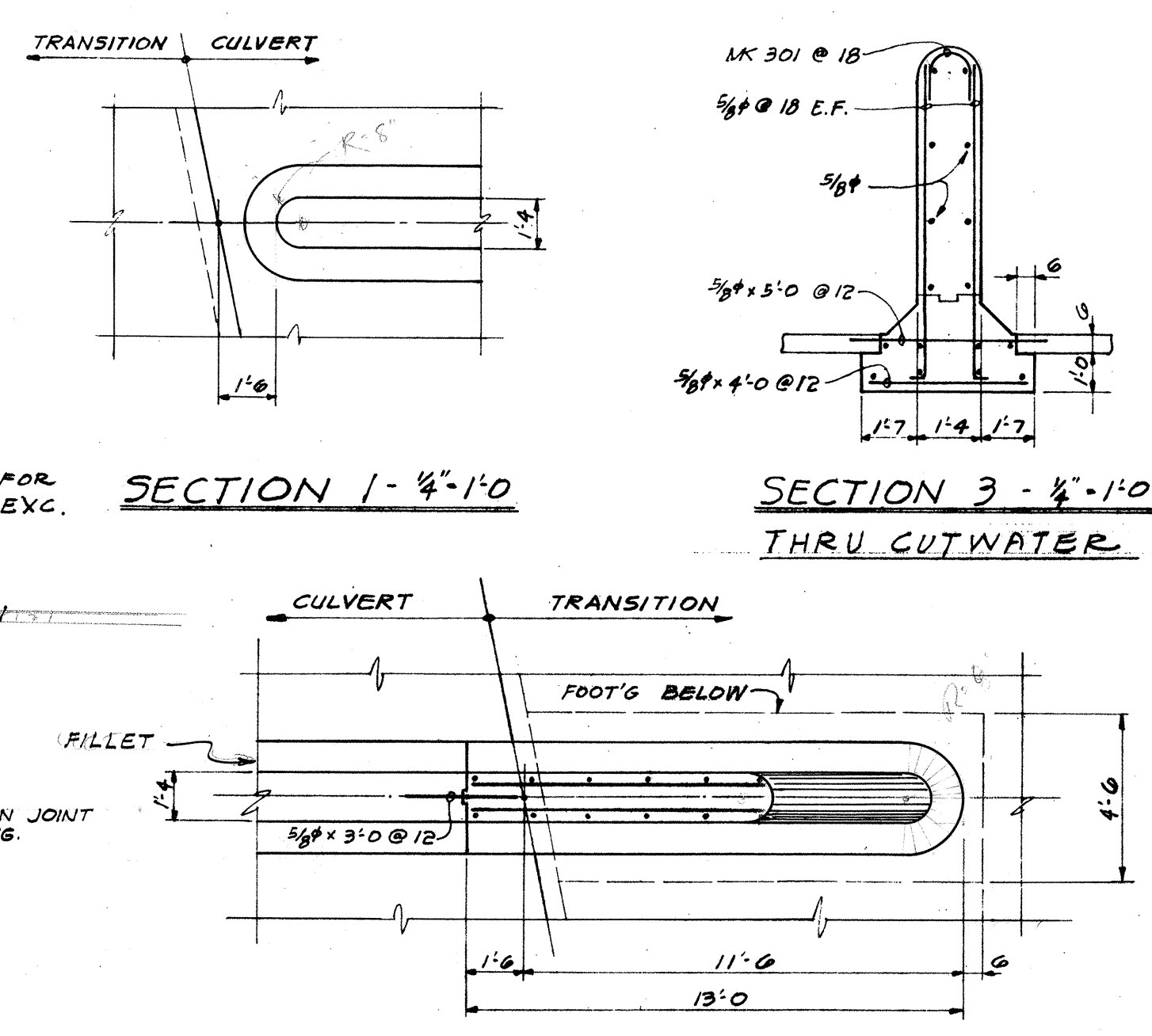


SECTION A
1/4" = 1' 0"

SECTION B
1/4" = 1' 0"



TYPICAL CHANNEL SECTION - 1/4" = 1' 0"



SECTION 1 - 1/4" = 1' 0"

SECTION 3 - 1/4" = 1' 0" THRU CUTWATER

SECTION 2 - 1/4" = 1' 0" THRU CUTWATER

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

BRIDGE No. 2

STA. 122+41 TO STA. 122+73

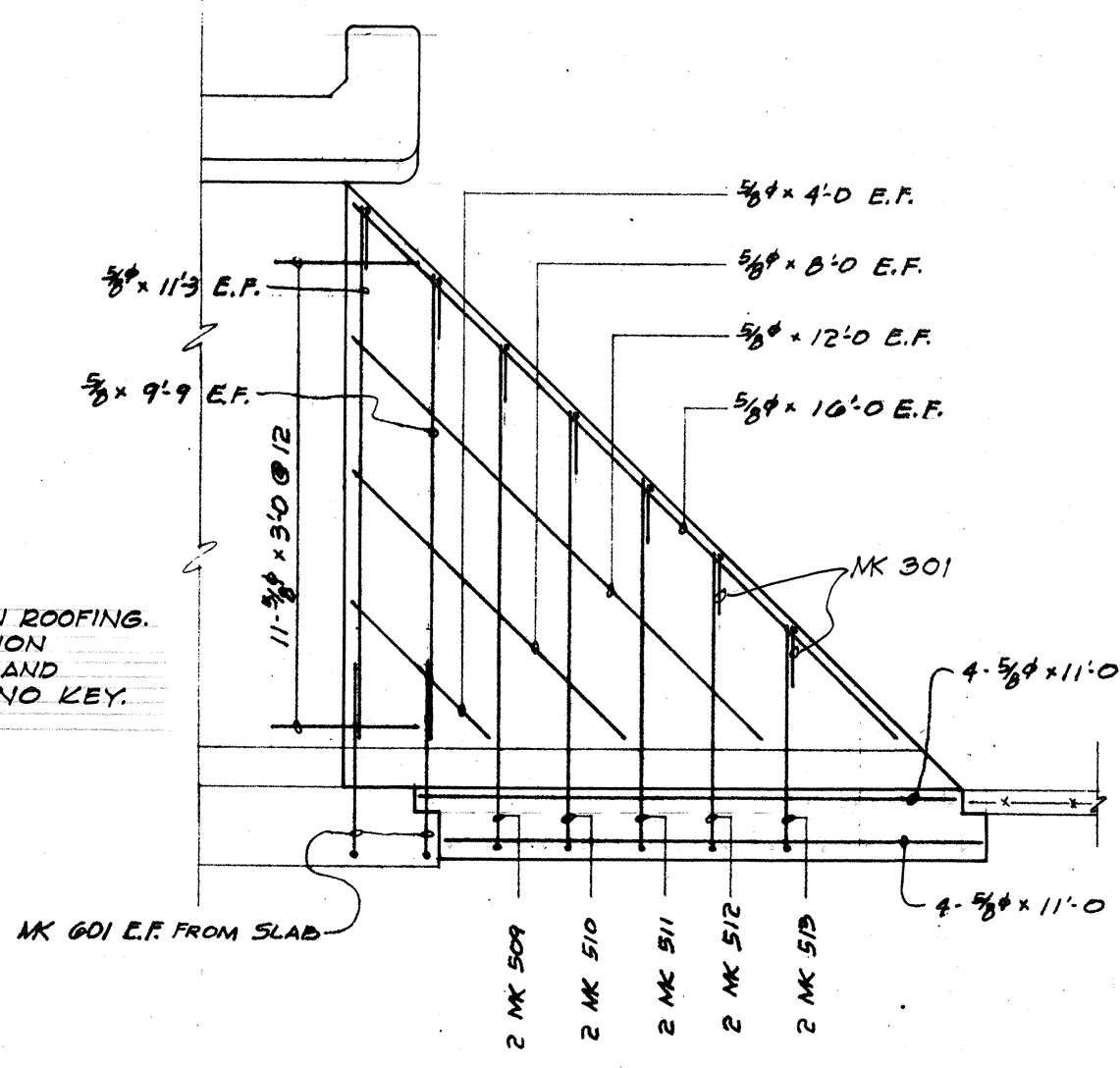
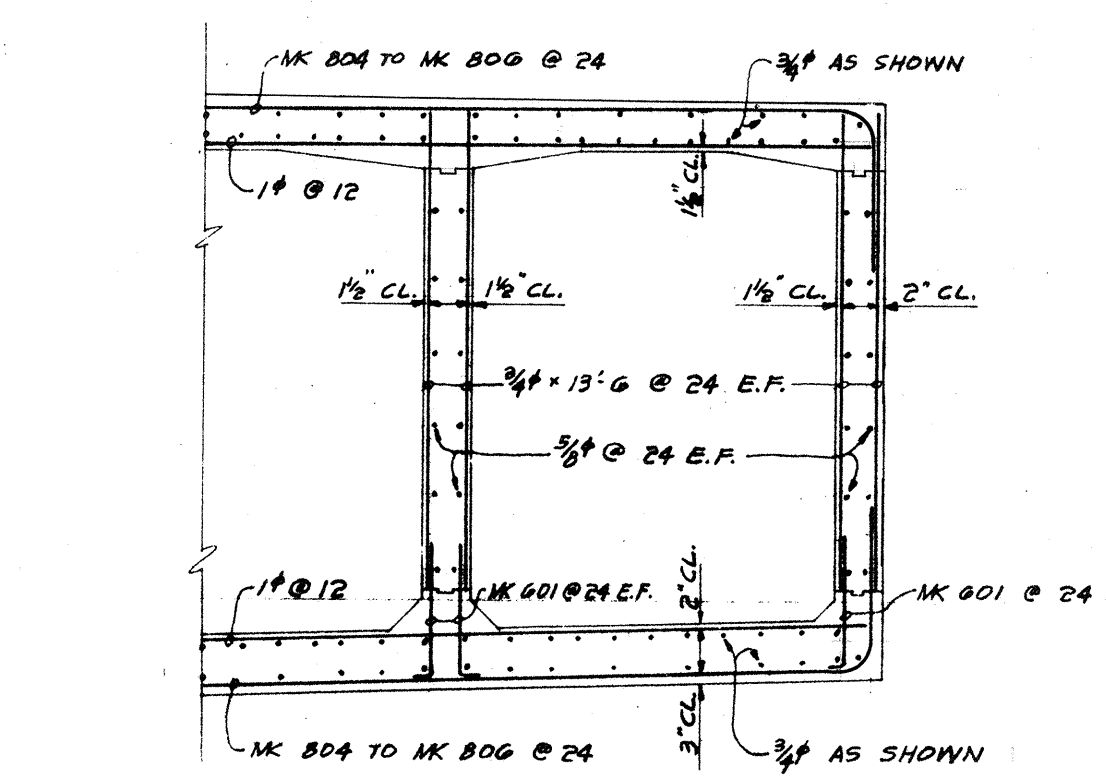
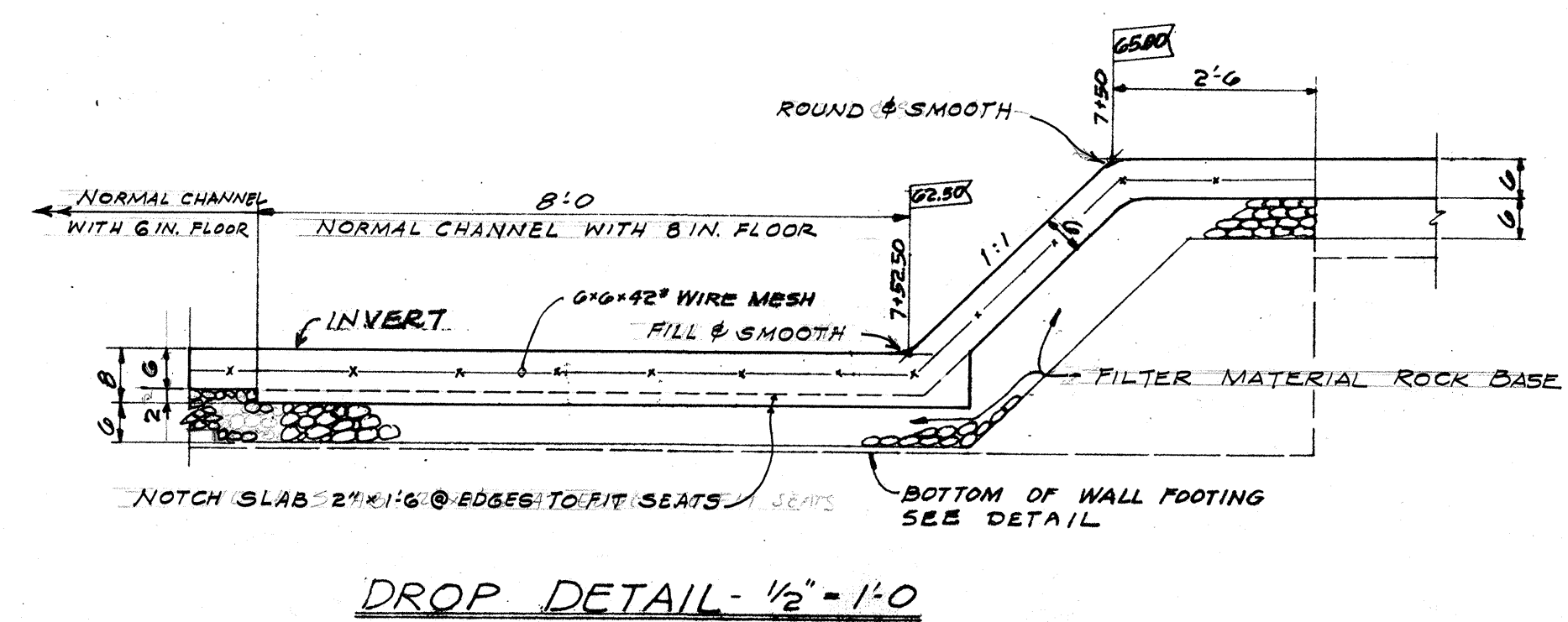
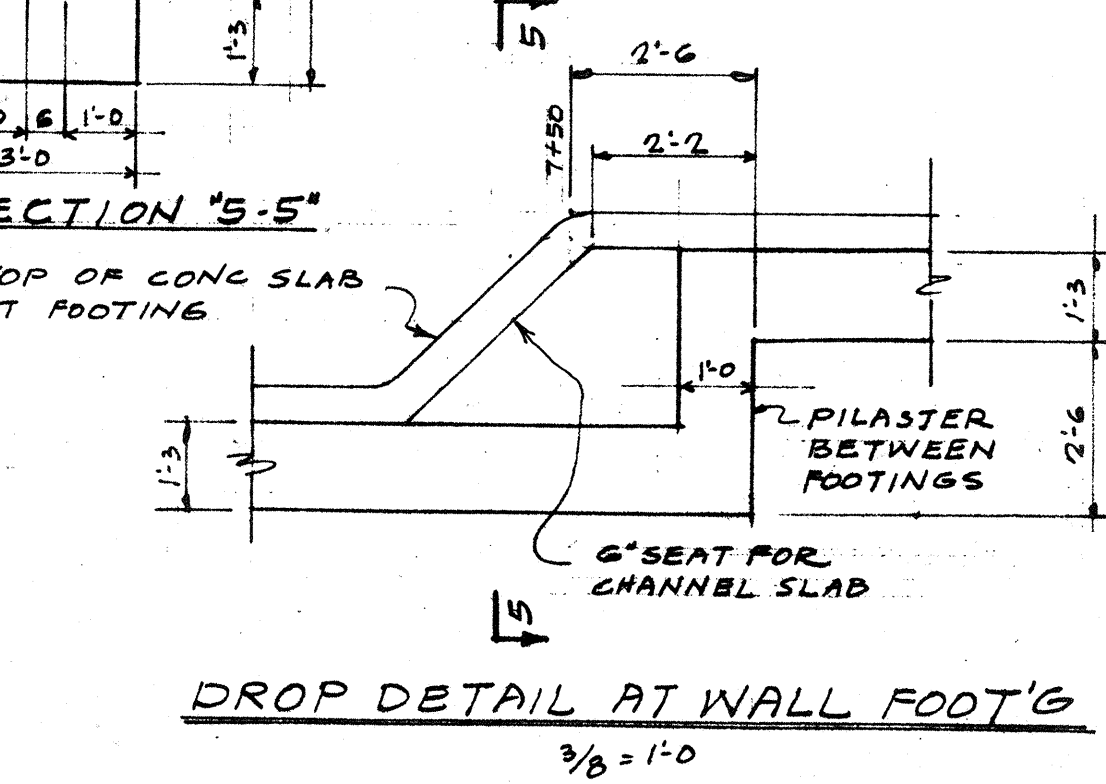
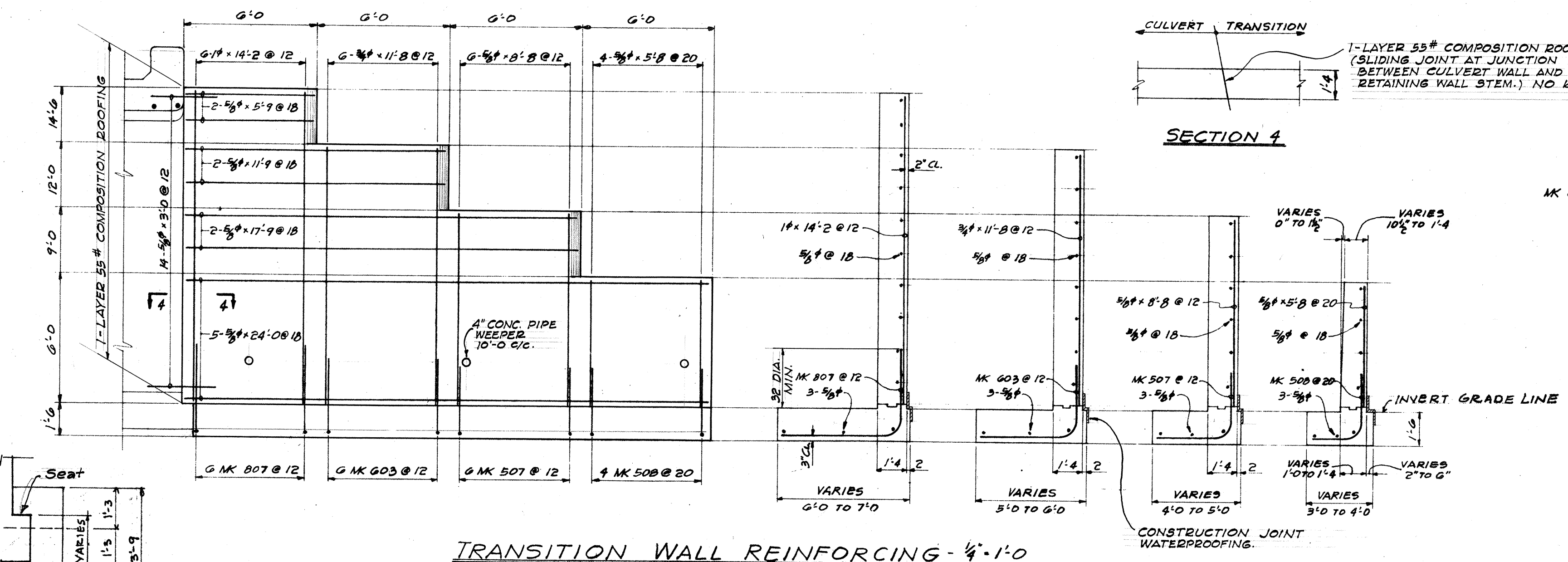
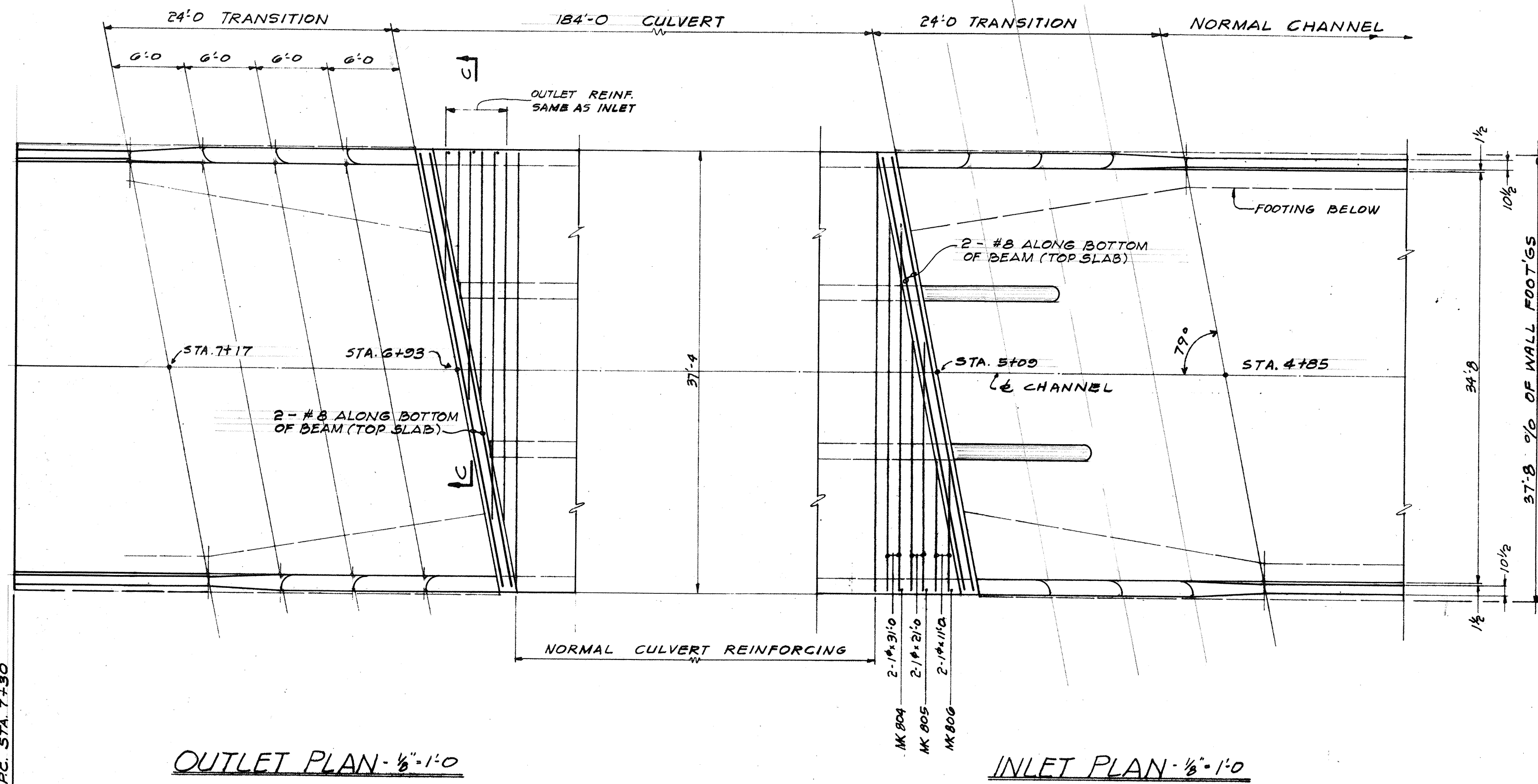
LIKELIKE HIGHWAY

FED. AID SECONDARY PROJ. No. 5-0630(5)

SCALE: AS NOTED MAY 1957

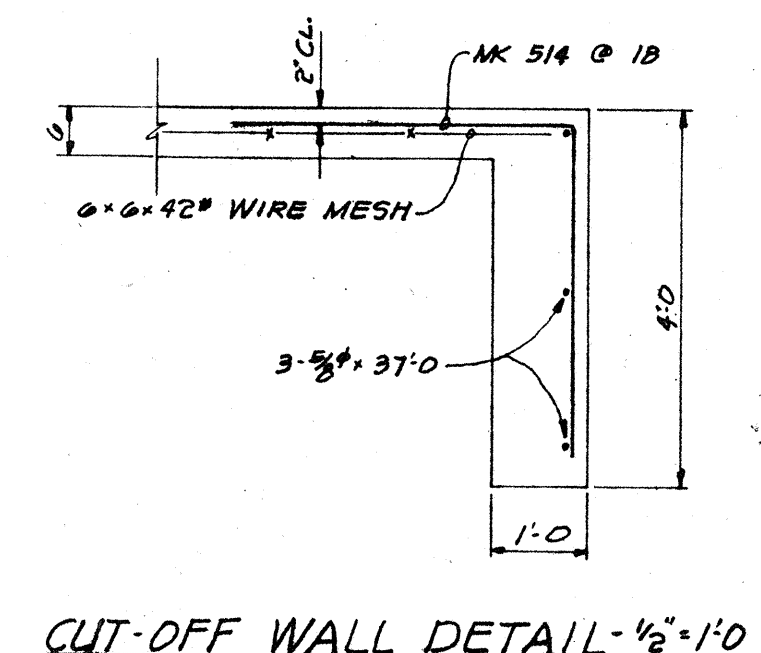
SHEET NO. 2 OF 5 SHEETS

5905.24



ESTIMATED QUANTITIES:
REINFORCING STEEL 203,259 LBS.
CLASS A-1 CONCRETE 1,381 C.Y.
CLASS B-1 CONCRETE 378 C.Y.

NOTE: LIST OF MATERIALS PREPARED FOR ESTIMATING PURPOSES ONLY. CONTRACTOR TO VERIFY ABOVE LIST AND BAR SCHEDULE BEFORE FABRICATING OR PLACING.

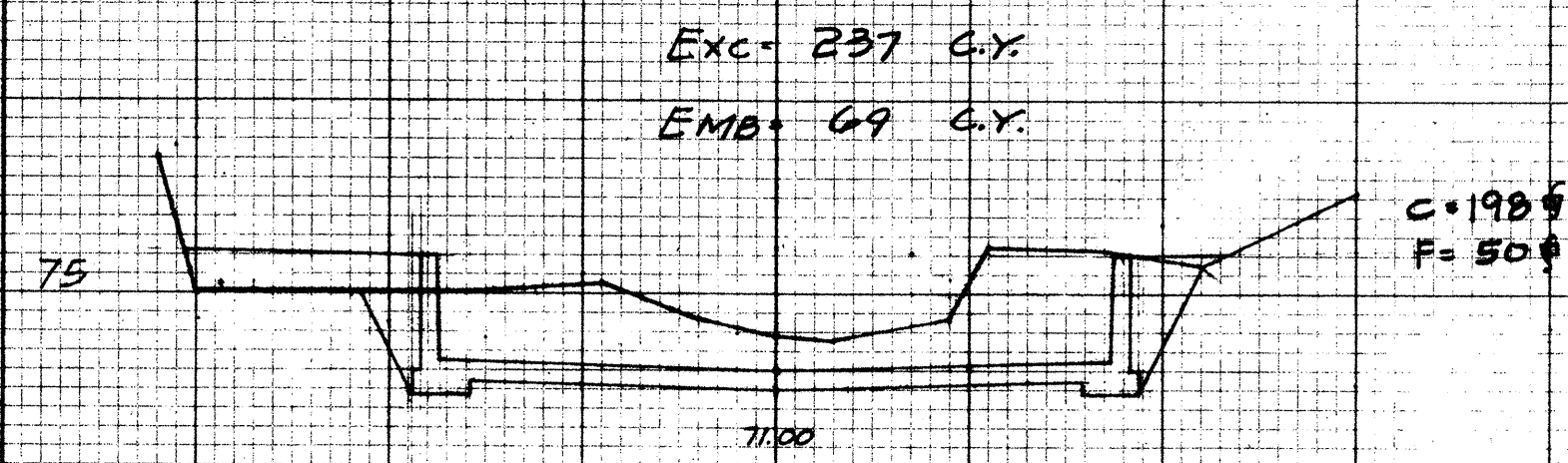


LIST OF MATERIALS									
BENDING DIAGRAM	MARK	NO. REQ'D	SIZE	LENGTH	REMARKS	LBS. STEEL	C.Y. CONC.	CLASS	CONC.
	801	97	1#	53'-9"	BOTTOM SLAB				
	802	96	1#	47'-3"					
	804	2	1#	35'-1 1/2"					
	805	2	1#	25'-1 1/2"					
	806	2	1#	15'-1 1/2"					
	601	608	3/4#	4'-3"					
	602	194	3/4#	7'-7 1/2"					
	97	1#	1#	37'-0"					
	384	1#	1#	7'-6"					
	192	#9	10'-0"	10'-0"					
	4	1#	1#	31'-0"	TOP SLAB				
	4	1#	1#	21'-0"					
	4	1#	1#	11'-0"					
	34	5/8#	1'-6"	1'-6"					
	27	35	#5	193'-0"		5% ADDED FOR LAPS			
	801	97	1#	53'-9"					
	803	96	1#	47'-9"					
	804	2	1#	35'-1 1/2"					
	805	2	1#	25'-1 1/2"					
	806	2	1#	15'-1 1/2"					
	97	1#	1#	37'-0"	COLLAR				
	384	1#	1#	7'-6"					
	192	#9	10'-0"	10'-0"					
	384	1#	1#	10'-0"					
	4	1#	1#	31'-0"					
	4	1#	1#	21'-0"					
	4	1#	1#	11'-0"					
	25	3/8	193'-0"	193'-0"		5% ADDED FOR LAPS			
	35	7/8	193'-0"	193'-0"		do			
	606	3/4#	13'-6"	13'-6"		5% ADDED FOR LAPS			
	48	5/8#	193'-0"	193'-0"	CUTWATER				
	38	5/8#	8'-0"	8'-0"					
	12	5/8#	37'-6"	37'-6"					
	15	5/8#	69'-9"	69'-9"					
	503	15	5/8#	43'-9"					
	74	#3	1'-2"	1'-2"					
	807	24	1#	9'-0"					
	803	24	3/4#	7'-6"					
	507	24	5/8#	6'-2"					
	508	16	5/8#	5'-2"					
	12	5/8#	24'-0"	24'-0"	TRANSITION WALL				
	24	1#	14'-2"	14'-2"					
	24	3/4#	11'-8"	11'-8"					
	24	5/8#	8'-8"	8'-8"					
	16	5/8#	5'-8"	5'-8"					
	20	5/8#	24'-0"	24'-0"					
	8	5/8#	17'-9"	17'-9"					
	8	5/8#	11'-9"	11'-9"					
	8	5/8#	5'-9"	5'-9"					
	56	5/8#	3'-0"	3'-0"					
	4	5/8#	11'-0"	11'-0"	CUTWATER				
	510	4	5/8#	9'-6"					
	511	4	5/8#	8'-0"					
	512	4	5/8#	6'-6"					
	513	4	5/8#	5'-0"					
	16	5/8#	11'-0"	11'-0"					
	22	5/8#	5'-0"	5'-0"					
	22	5/8#	4'-0"	4'-0"					
	301	14	3/4#	3'-3"					
	4	5/8#	11'-3"	11'-3"					
	4	5/8#	9'-9"	9'-9"	TRANSITION WALL				
	4	5/8#	16'-0"	16'-0"					
	4	5/8#	12'-0"	12'-0"					
	4	5/8#	8'-0"	8'-0"					
	4	5/8#	4'-0"	4'-0"					
	22	5/8#	3'-0"	3'-0"					
	506	386	5/8#	5'-8"		5% ADDED FOR LAPS			
	514	50	5/8#	7'-0"					
	6	5/8#	37'-0"	37'-0"					
	301	14	3/4#	3'-3"					
	4	5/8#	11'-3"	11'-3"	CUTWATER				
	4	5/8#	9'-9"	9'-9"					
	4	5/8#	16'-0"	16'-0"					
	4	5/8#	12'-0"	12'-0"					
	4	5/8#	8'-0"	8'-0"					
	4	5/8#	4'-0"	4'-0"					
	22	5/8#	3'-0"	3'-0"					
	506	386	5/8#	5'-8"		5% ADDED FOR LAPS			
	514	50	5/8#	7'-0"					
	6	5/8#	37'-0"	37'-0"					

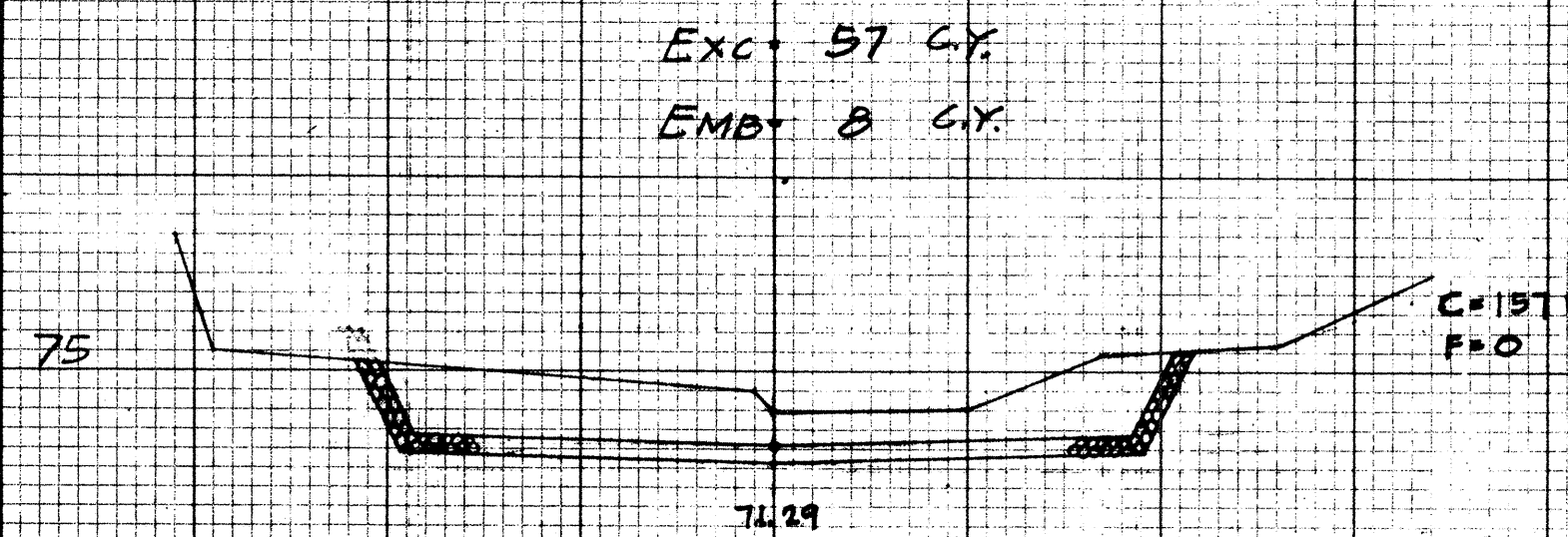
NOTE: ALL REINFORCING BARS TO BE NEW BILLET, INTERMEDIATE GRADE DEFORMED BARS.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
BRIDGE No. 2
STA. 122+41 TO STA. 122+79
LIKELIKE HIGHWAY
FED. AID SECONDARY PROJ. NO. S-0630 (S)
SCALE: AS NOTED MAY 1957

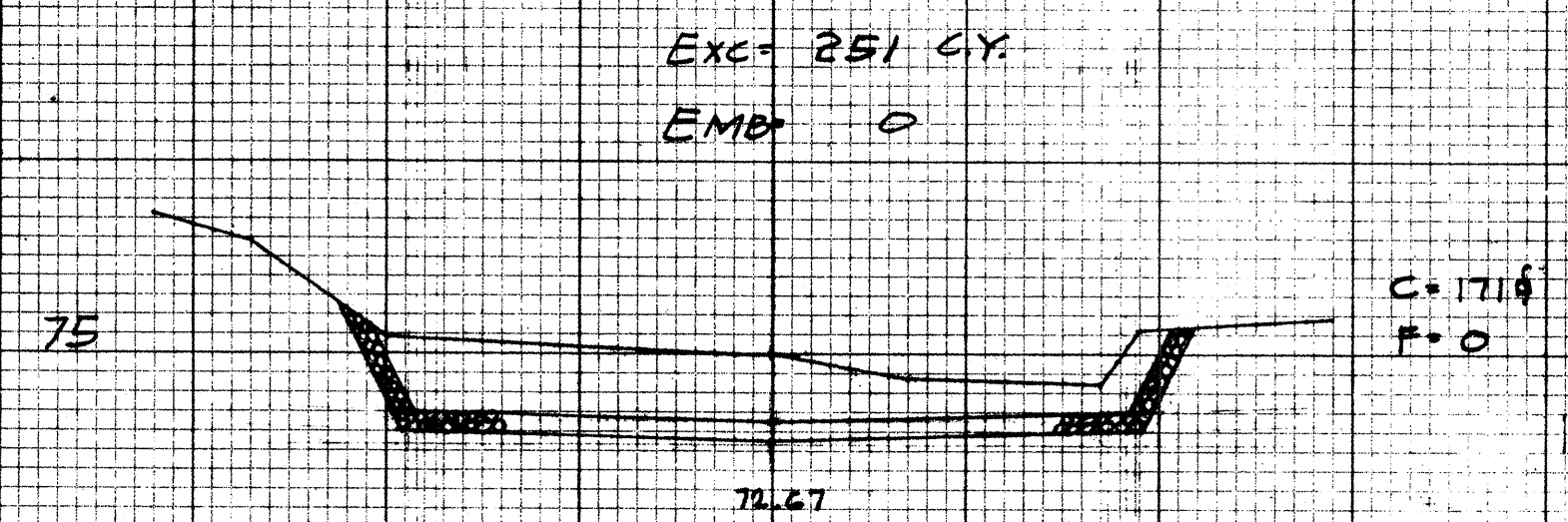
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	5-0630-5	1955	26	53



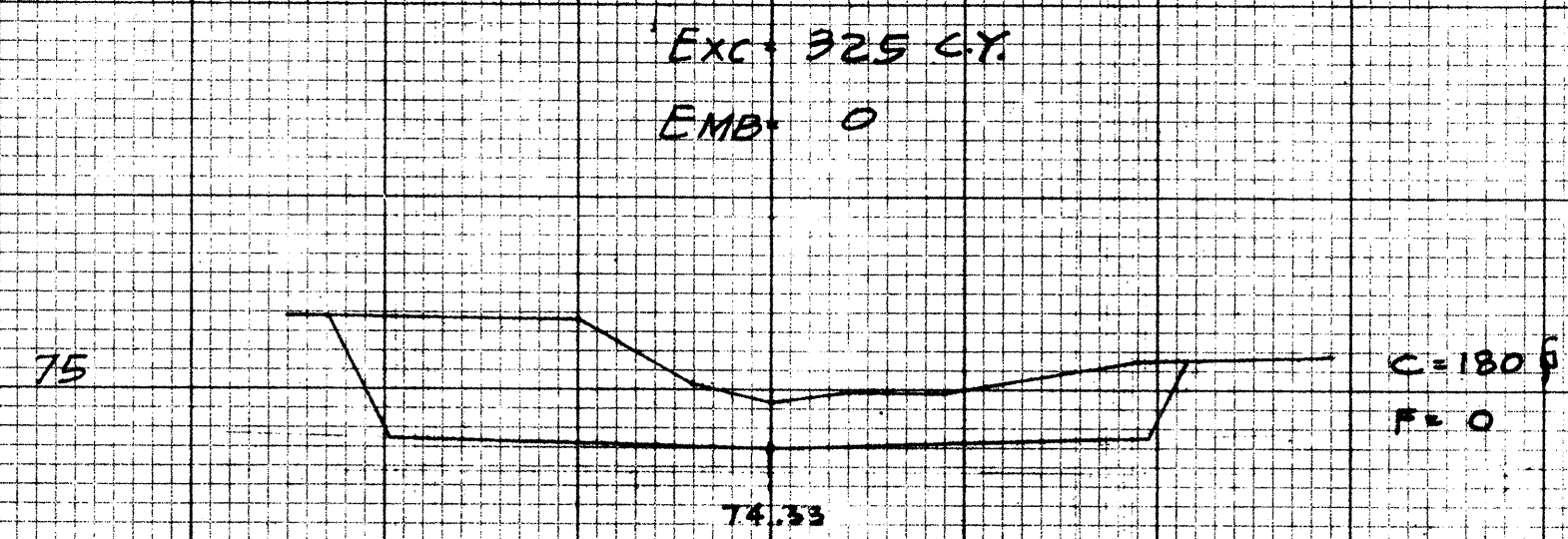
1+50



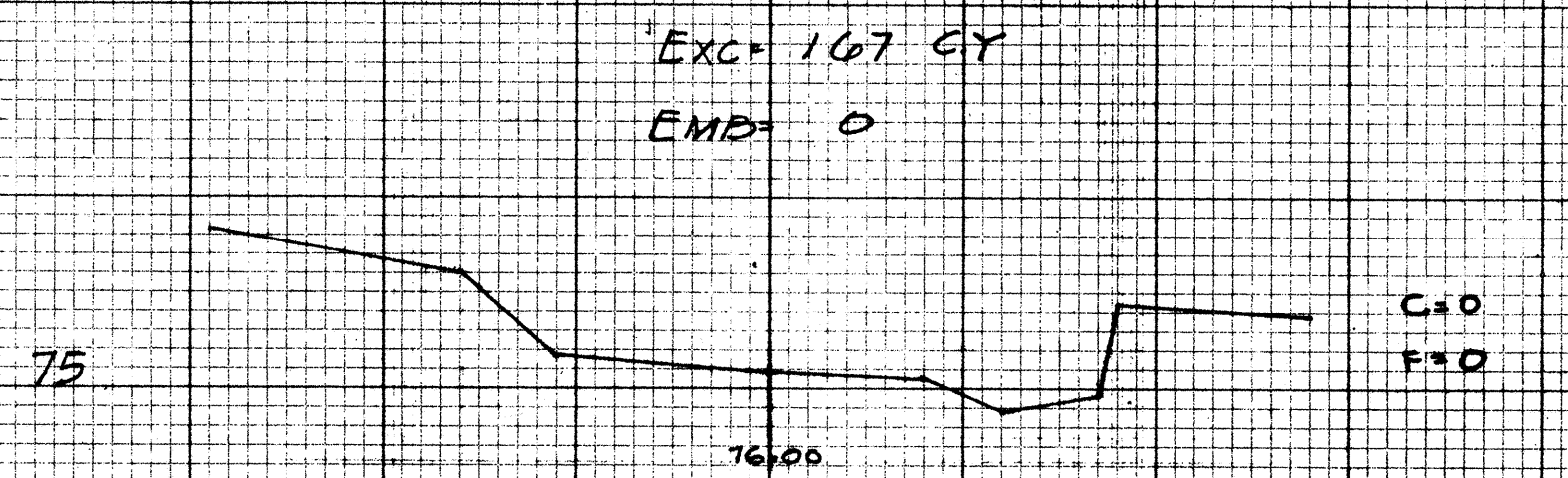
1+41.24



1+00



0+50



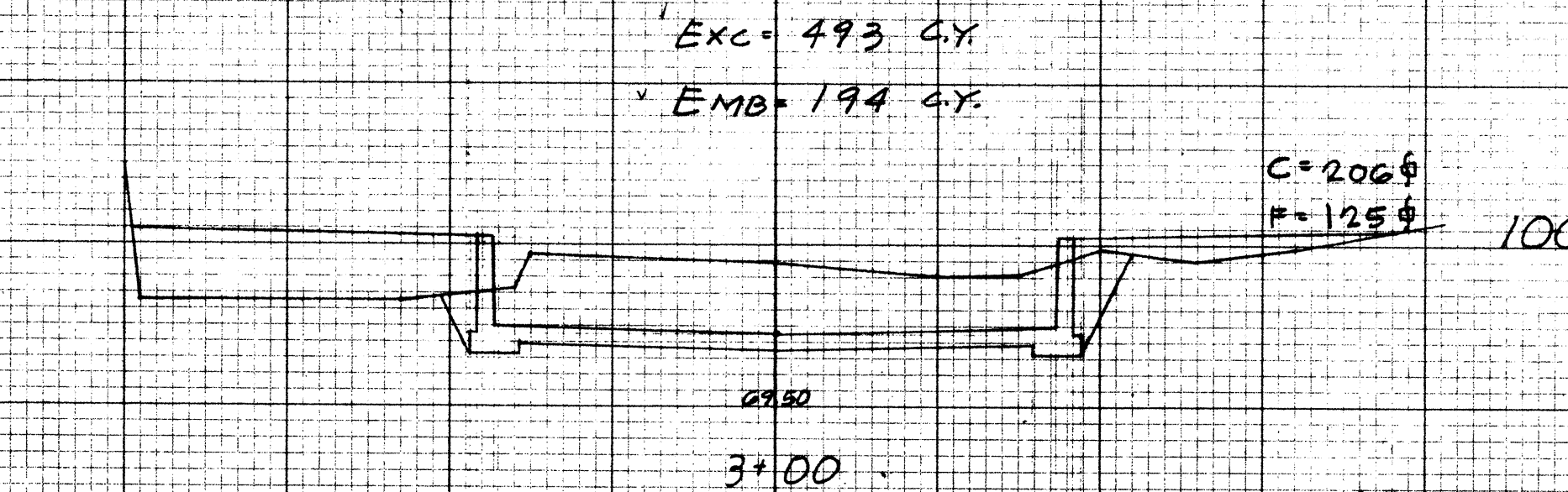
0+00

75

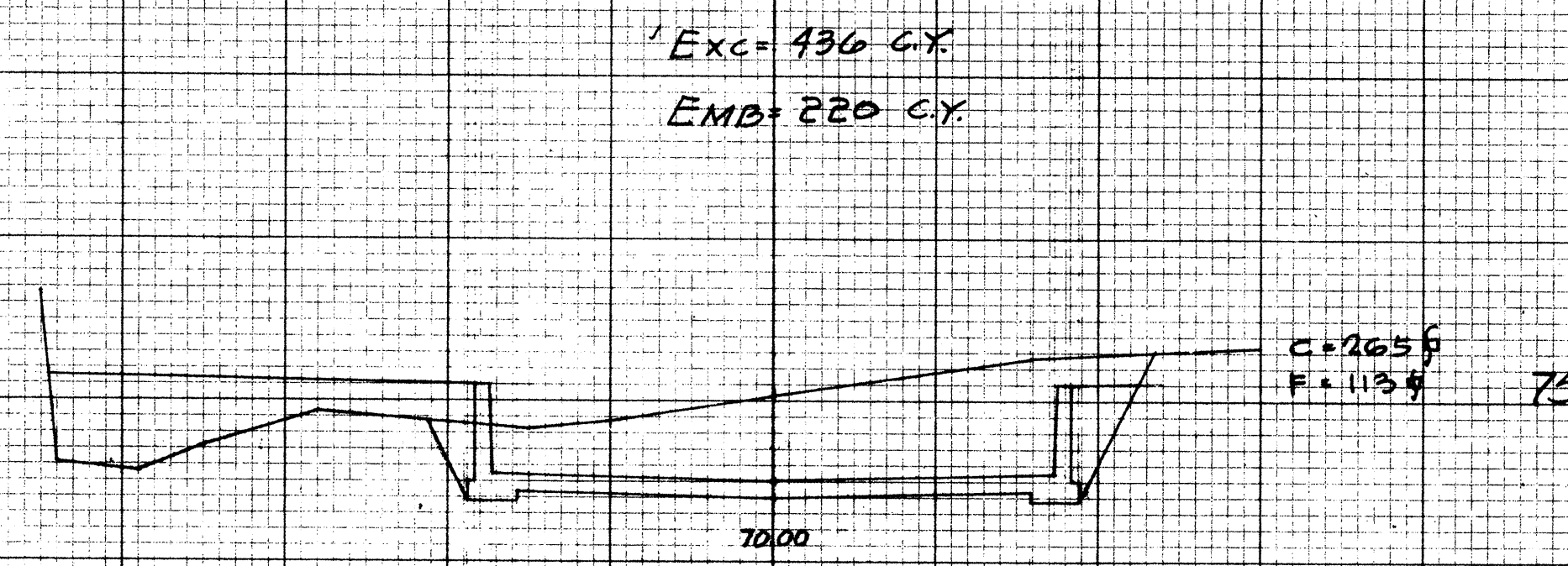
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75

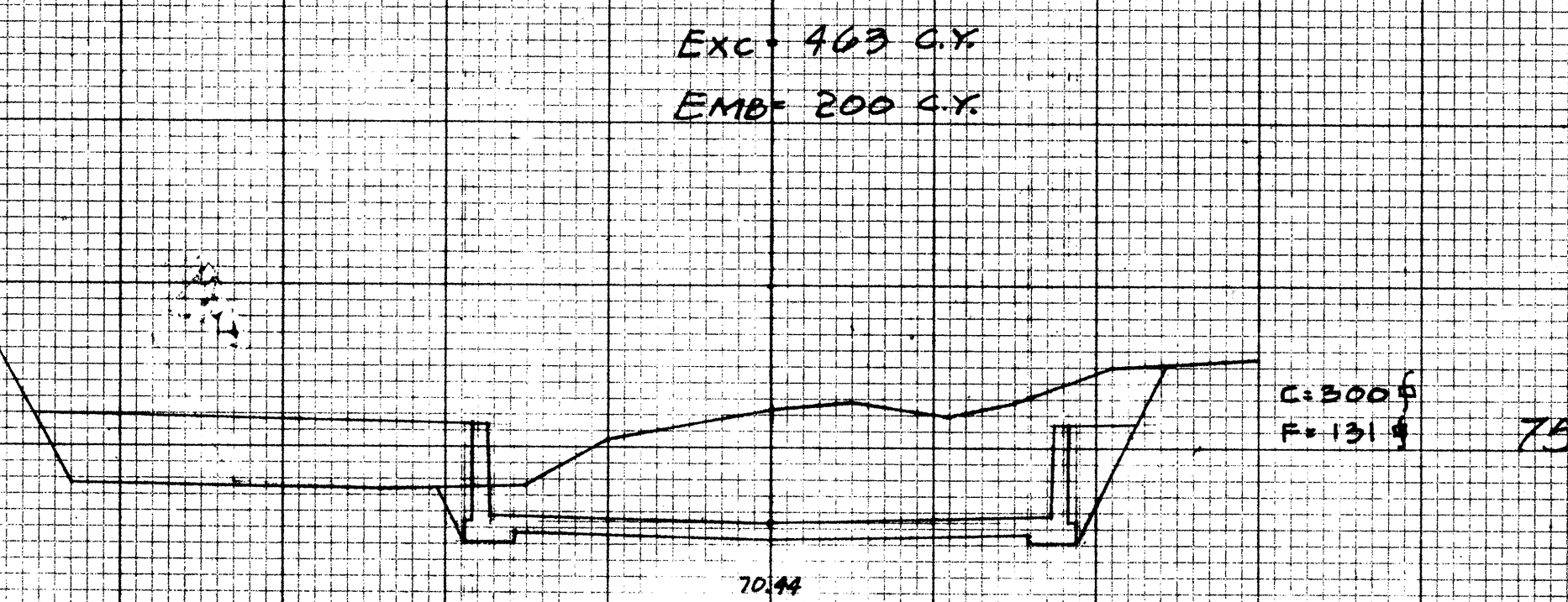
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3+00

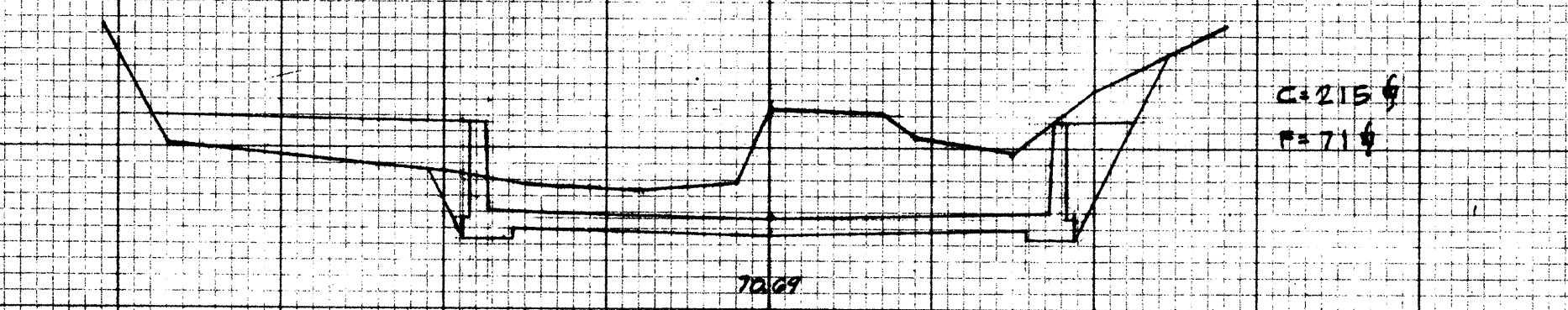


2+50



RC

2+05.72



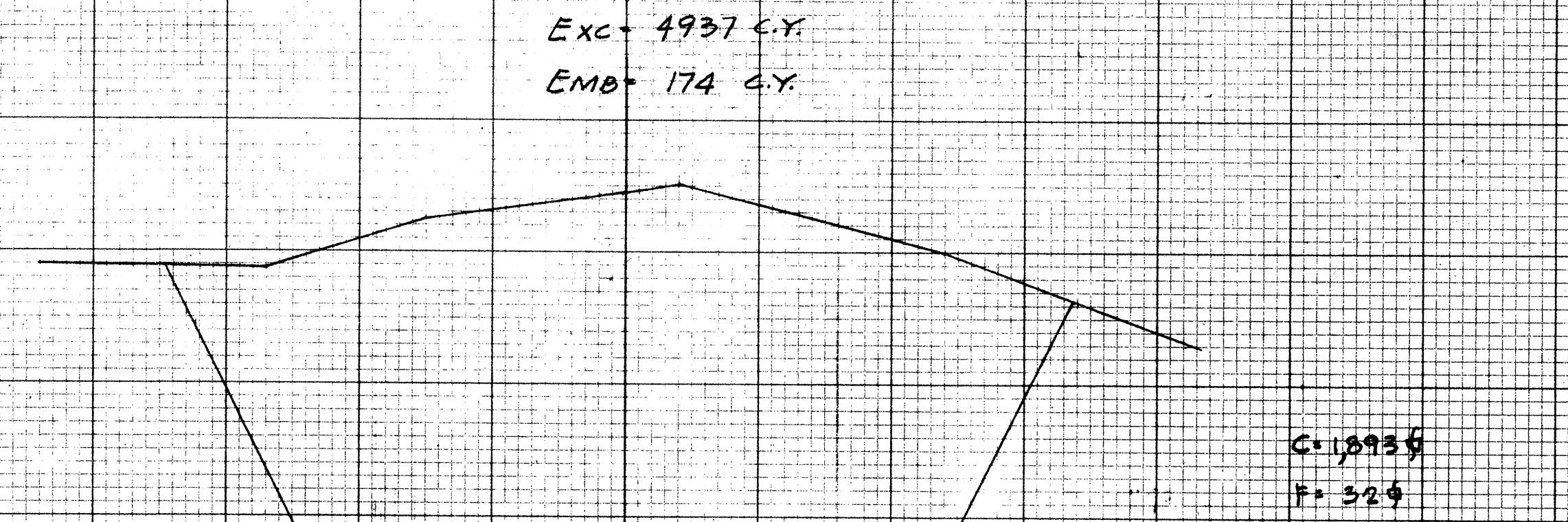
1+31

C = 206 \$
F = 125 \$

C = 265 \$
F = 113 \$

C = 300 \$
F = 131 \$

C = 215 \$
F = 71 \$



Exc = 2580 C.Y.
EMB = 161 C.Y.

Exc = 531 C.Y.
EMB = 125 C.Y.

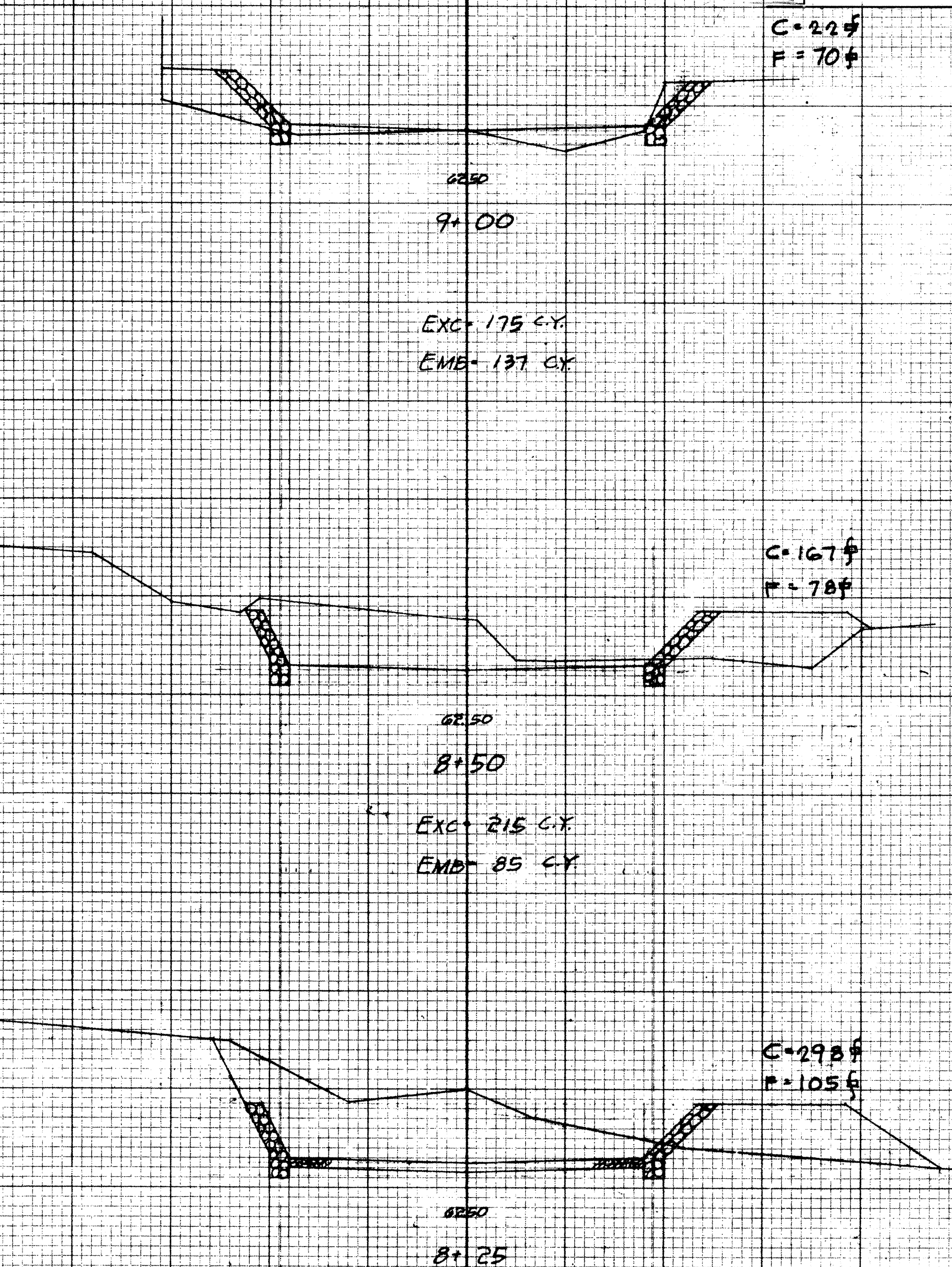
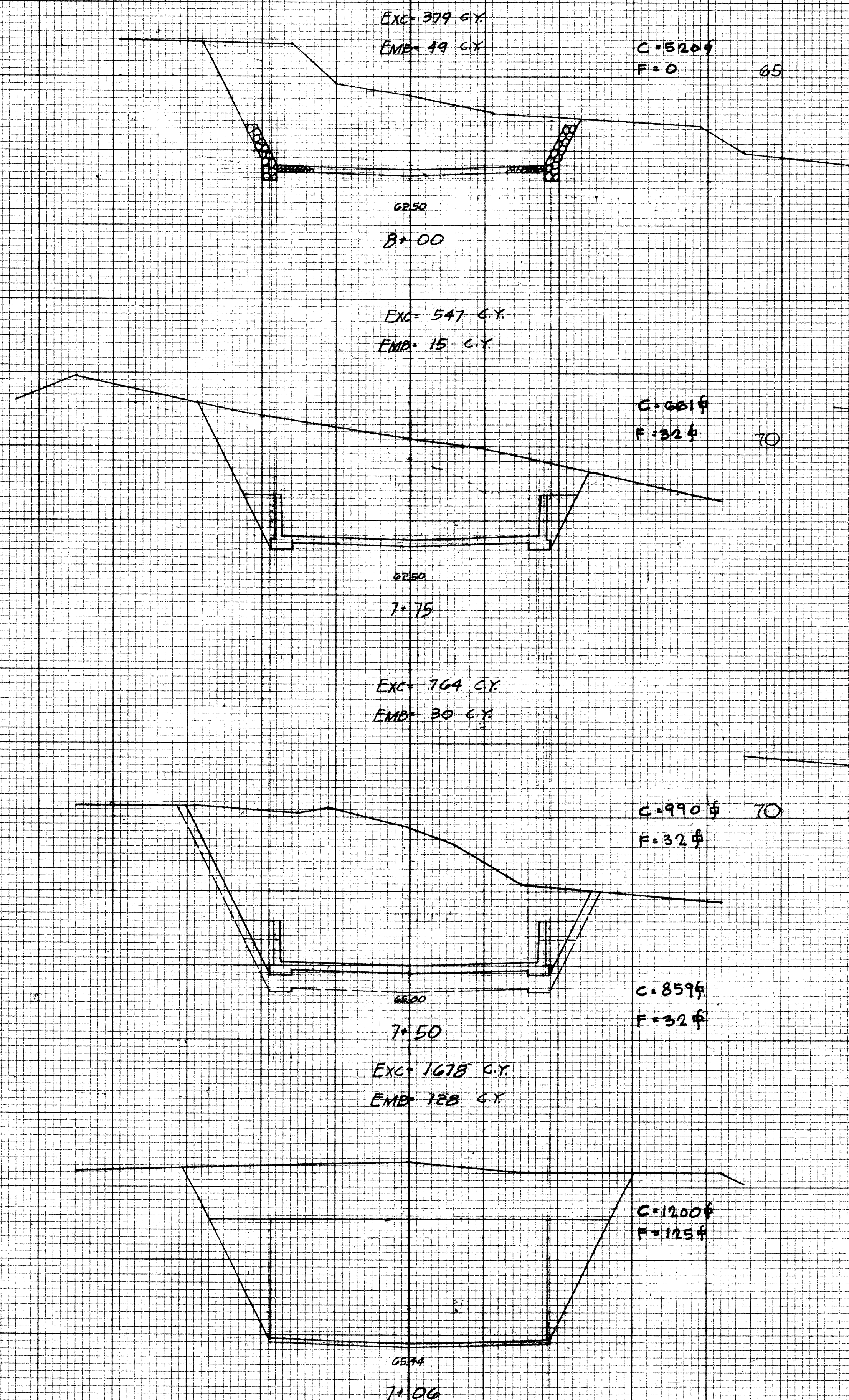
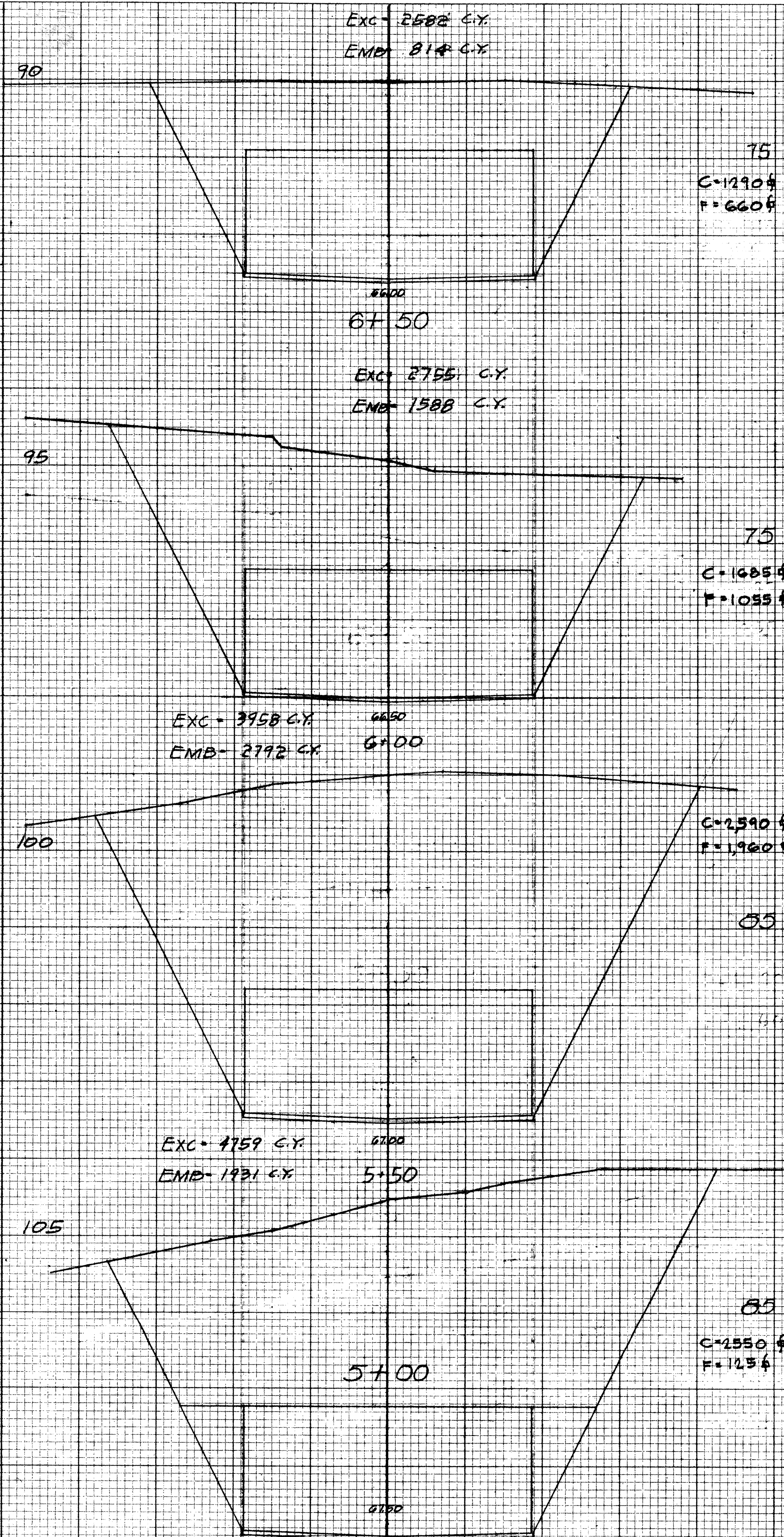
SCALES
HORIZONTAL 1"=10'-0"
VERTICAL 1"=10'-0"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
CROSS SECTIONS
BRIDGE NO. 2
LIKELIKE HIGHWAY
FED. AID SECONDARY PROJ. NO. 5-0630 (5)
SCALE: AS NOTED MAY 1957

SHEET NO. 4 OF 5 SHEETS

5905.26

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	5-0630(5)	1958	27	53



SCALES
HORIZONTAL 1"=10'0"
VERTICAL 1"=10'0"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

CROSS SECTIONS
BRIDGE No. 2
LIKELIKE HIGHWAY
FED. AID SECONDARY PROJ. No. 5-0630 (5)
SCALE: AS NOTED MAY 1957

SHEET NO. 5 OF 5 SHEETS

5905.27