

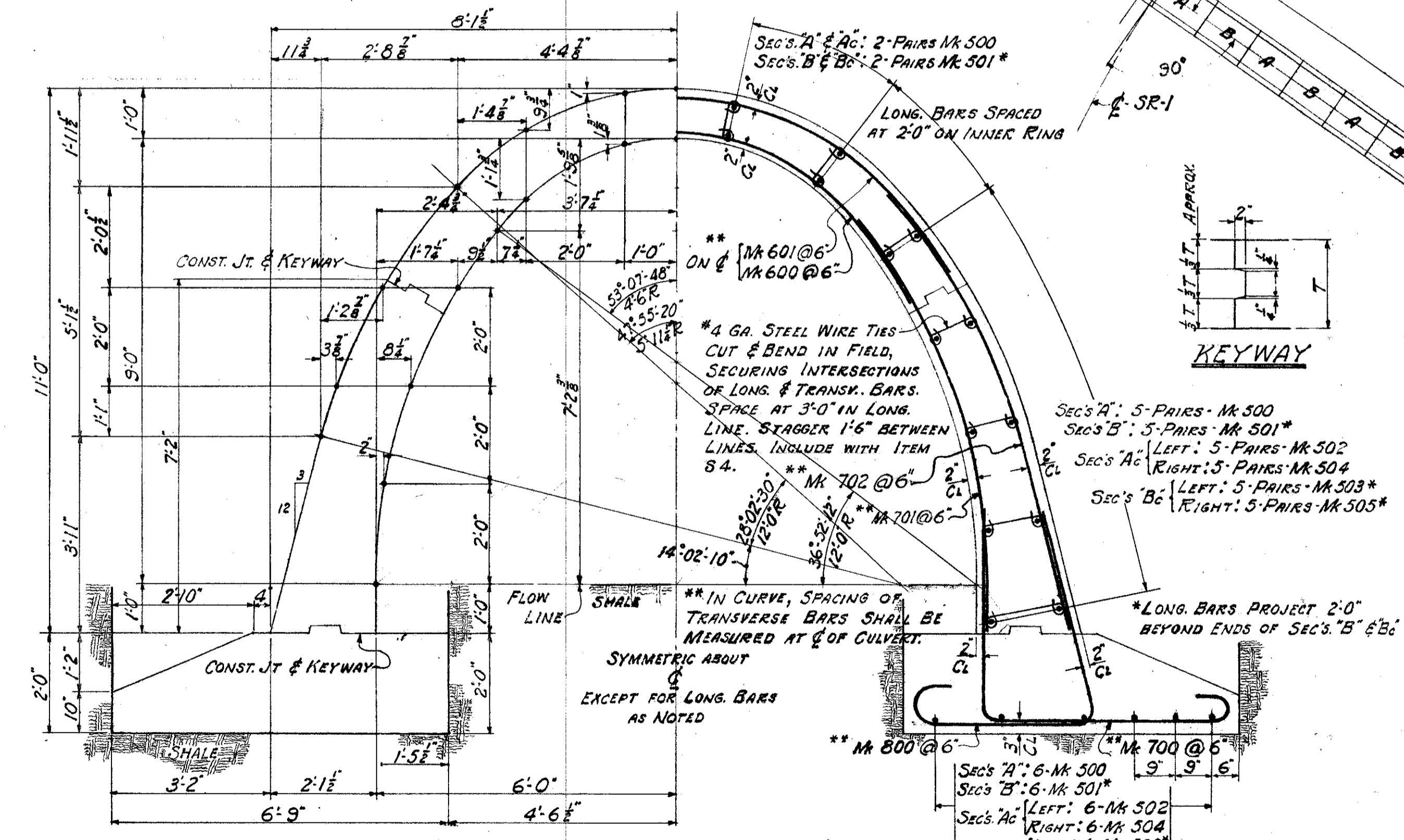
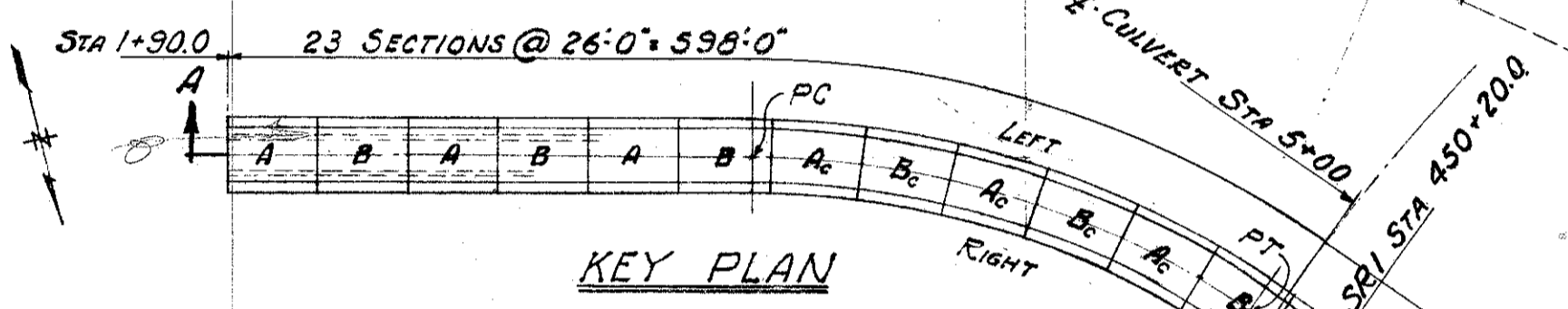
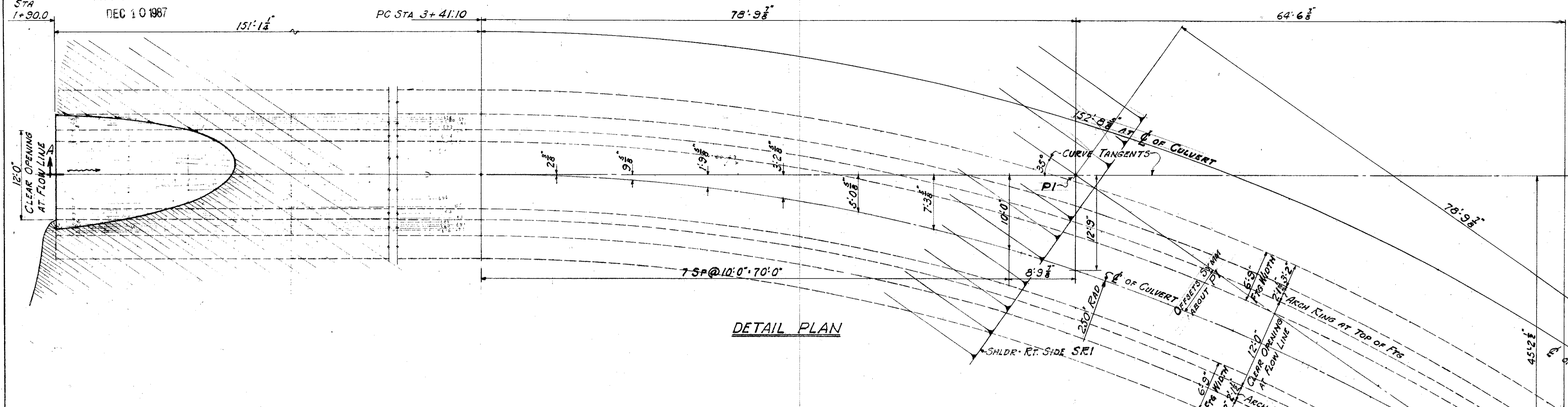
LAKE COUNTY
SEC. LAK-1-12.89

REINF. BAR LIST

MR	NO. PER SEC.	TOT. NO.	LENGTH	WEIGHT	SHAPE
500	40	8	384	23'8"	10300
501	40	8	344	30'0"	10800
502	16	48	26'3"	1310	STRAIGHT
503	16	48	30'9"	1540	
504	16	48	24'9"	1240	
505	16	48	29'3"	1460	
600	52	52	52	11'96"	22750
601	52	52	52	11'96"	24550
700	104	104	104	2392	43700
701	104	104	104	2392	42400
702	104	104	104	2392	46900
800	104	104	104	2392	37500

*A GA ANNEALED STEEL WIRE 7200 LF 960

NOTE: BAR SIZE IS INDICATED BY THE FIRST DIGIT IN THE BAR MARK. FOR EXAMPLE, MR 701 IS A NO. 7 SIZE BAR.



GENERAL NOTES
DESIGN SPECIFICATIONS - THIS STRUCTURE CONFORMS WITH THE REQUIREMENTS OF "DESIGN SPECIFICATIONS FOR HIGHWAY STRUCTURES" OF THE STATE OF OHIO, DATED SEPT. 1, 1937.

CONCRETE SHALL BE CLASS "C".

EMBANKMENT SHALL BE CAREFULLY PLACED IN ACCORDANCE WITH SECTIONS E-1.08 & E-2.08, AND TO THE SAME HEIGHT SIMULTANEOUSLY ON EACH SIDE OF THE ARCH.

BACKFILL OVER TOP OF FOOTING TO FLOW LINE INSIDE BARREL SHALL BE CLASS "F" CONCRETE.

FOOTINGS SHALL BE POURED AGAINST SHALE. FOOTING EXCAVATION SHALL BE PERFORMED TO THE NEAT LINES OF THE FOOTINGS AS SHOWN. EXCAVATION IN EXCESS OF THESE REQUIREMENTS SHALL BE REPLACED WITH CLASS "C" CONCRETE AT CONTRACTOR'S EXPENSE. IF EXTRA DEPTH OF FOOTINGS IS REQUIRED, AS DETERMINED BY THE ENGINEER, THE EXTRA DEPTH EXCAVATION AND CONCRETE SHALL BE PERFORMED AND PLACED IN ACCORDANCE WITH THESE REQUIREMENTS, AND SHALL BE PAID FOR AT THE RESPECTIVE CONTRACT UNIT PRICES.

FOOTING PRESSURE IS 10 TONS PER SQ. FT.

ESTIMATED QUANTITIES

ITEM	TOTAL	UNIT	DESCRIPTION
E2	3000	C.U.Y.	EXCAVATION FOR STRUCTURE
E3	70	C.U.Y.	CHANNEL EXCAVATION
S1	1420	C.U.Y.	CLASS "C" CONCRETE FOR STRUCTURE
S4	27140	LB.	REINFORCING STEEL
I10	90	C.U.Y.	DUMPED ROCK CHANNEL PROTECTION
S-1	66	C.U.Y.	CLASS "F" CONCRETE

SEC. C-32 FED. AID PROJ. NO ACI-1103(21)

PREPARED BY
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.
FOR

STATE OF OHIO
DEPARTMENT OF HIGHWAYS

LAYOUT & DESIGN
BRIDGE NO LAK-1-1523
SRI. OVER GORDON CREEK
LAKE COUNTY
STA. 450 + 20.00

DESIGNED	DRAWN	TRACED	CHECKED	REVISED	DATE	REVISED
			J.M.R.			

