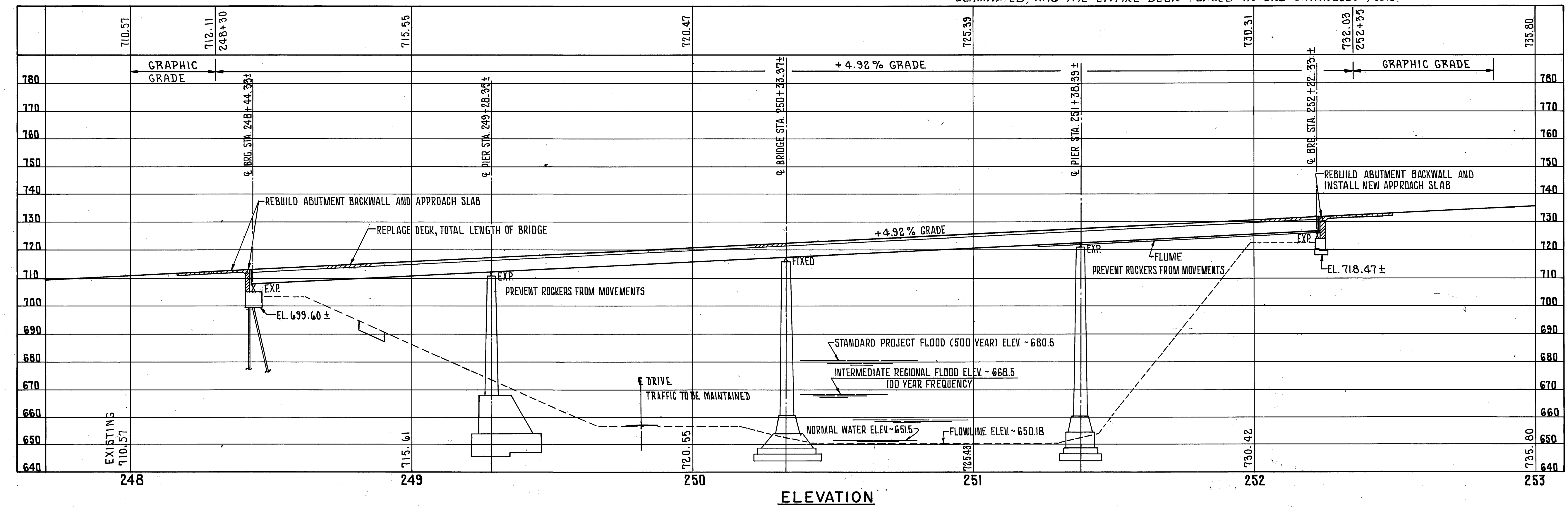


PLAN

**DECK CONSTRUCTION PROCEDURE**  
 THE DECK SLAB SHALL BE POURED FROM WEST TO EAST, IN SECTIONS BETWEEN SKEWED TRANSVERSE CONSTRUCTION JOINTS, IN THE NUMERICAL ORDER INDICATED ON THE SITE PLAN, IN ORDER THAT THE MAJOR PORTION OF THE DEAD LOAD DEFLECTION MAY OCCUR PRIOR TO PLACING CONCRETE OVER EACH PIER.  
 THIS CONSTRUCTION PROCEDURE MAY BE REVERSED TO START FROM THE EAST END OF THE BRIDGE, WITH THE APPROVAL OF THE ENGINEER.  
 AT THE CONTRACTOR'S OPTION, THE CONSTRUCTION JOINTS MAYBE ELIMINATED, AND THE ENTIRE DECK PLACED IN ONE CONTINUOUS POUR.

Q<sub>500</sub> = 85,400 cfs V<sub>500</sub> = 12.0 fps  
 Q<sub>100</sub> = 25,000 cfs V<sub>100</sub> = 9.0 fps  
 DRAINAGE AREA = 186 SQ. MILES



EXISTING STRUCTURE	
TYPE:	CONTINUOUS STEEL GIRDER WITH CONCRETE DECK AND CONCRETE SUBSTRUCTURES.
SPANS:	84'-105'-105'-84' 1/6 BEARINGS.
ROADWAY:	28'-0" PLUS 2'-3" SAFETY CURBS.
LOADING:	S-20-46
SKEW:	30° RIGHT FORWARD.
WEARING SURFACE:	BITUMINOUS
APPROACH SLABS:	15'-0" WEST SIDE ONLY.

PROPOSED STRUCTURE	
TYPE:	CONTINUOUS STEEL GIRDER WITH CONCRETE DECK AND EXISTING MODIFIED CONCRETE SUBSTRUCTURES.
SPANS:	84'-105'-105'-84' 1/6 BEARINGS
ROADWAY:	28'-0" PLUS 2'-3" SAFETY CURBS
LOADING:	GIRDER S-20-46 CONCRETE DECK HS 20-44
SKEW:	30° RIGHT FORWARD
WEARING SURFACE:	LATEX MODIFIED CONCRETE
APPROACH SLABS:	AS-1-81 (25' LONG)

LAKE INC. ENGINEERING 1/6  
 WICKLIFFE, OHIO

**SITE PLAN**  
 BRIDGE NO. LAK-6-0461  
 S.R. 6 OVER  
 THE CHAGRIN RIVER

LAKE COUNTY S.R. 6

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
F.A.	G.K.S.	G.K.S.	MK	F.A.	1-26-82	