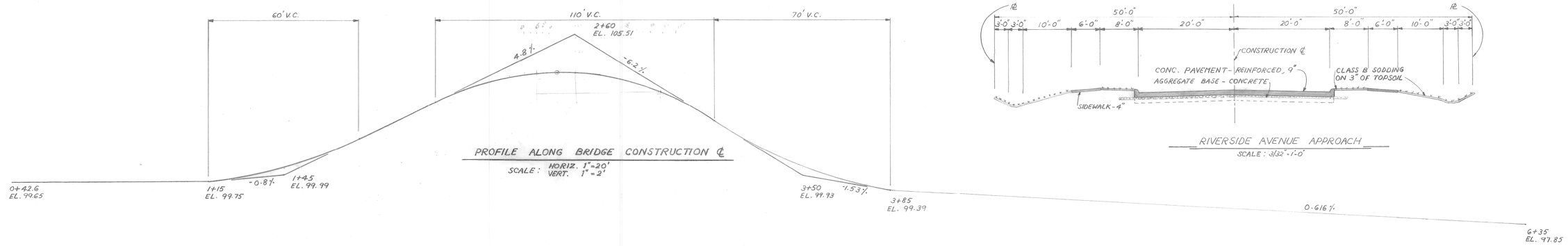
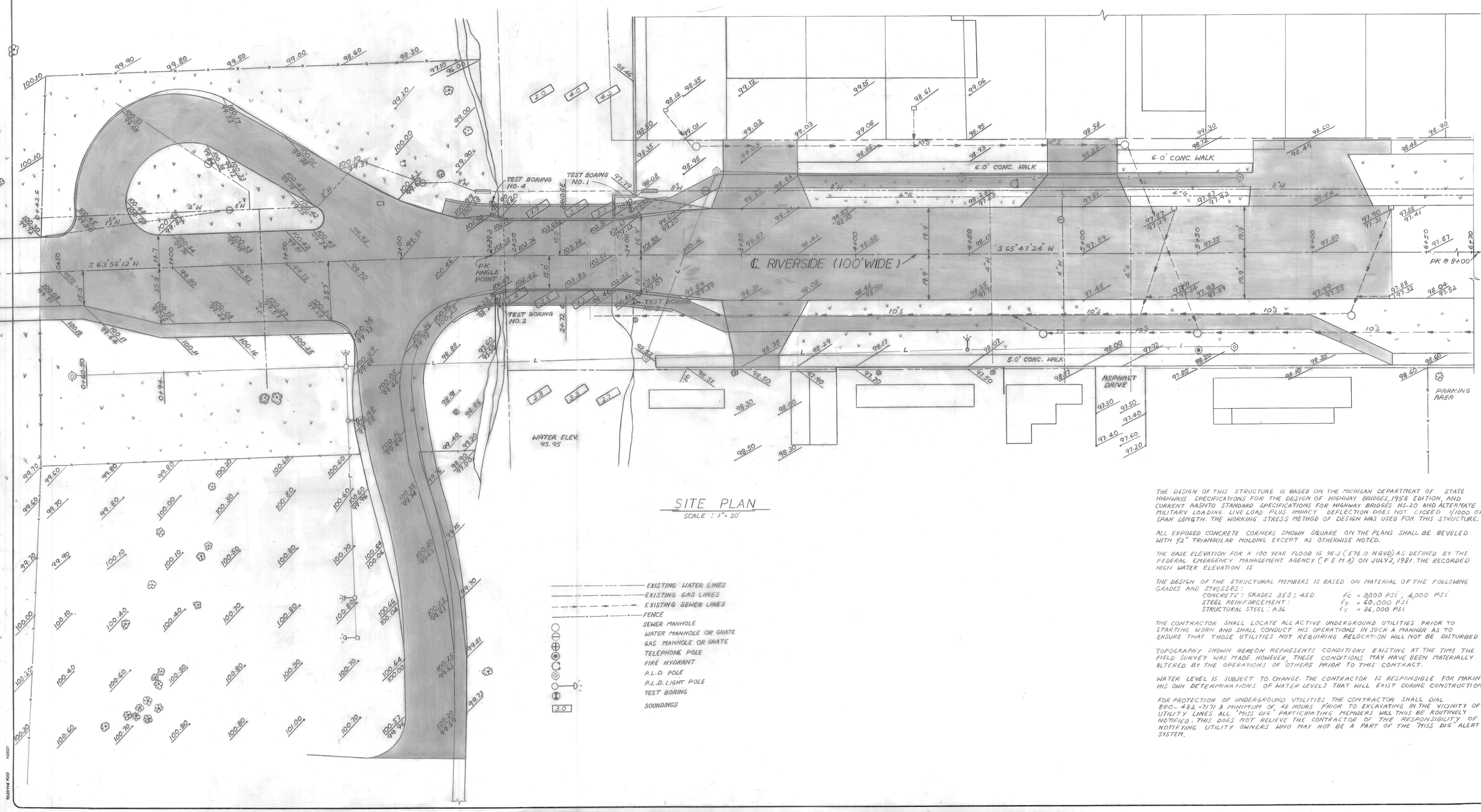


PROFILE ALONG BRIDGE CONSTRUCTION ℄

SCALE: HORIZ. 1"=20' VERT. 1"=2'

RIVERSIDE AVENUE APPROACH

SCALE: 3/32"-1'-0"



SITE PLAN

SCALE: 1"=20'

EXISTING WATER LINES
EXISTING GAS LINES
EXISTING SEWER LINES
FENCE
SEWER MANHOLE
WATER MANHOLE OR GRATE
GAS MANHOLE OR GRATE
TELEPHONE POLE
FIRE HYDRANT
P.L.D. POLE
P.L.D. LIGHT POLE
TEST BORING
3.0 SOUNDINGS

THE DESIGN OF THIS STRUCTURE IS BASED ON THE MICHIGAN DEPARTMENT OF STATE HIGHWAYS SPECIFICATIONS FOR THE DESIGN OF HIGHWAY BRIDGES, 1958 EDITION, AND CURRENT AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES HS-20 AND ALTERNATE MILITARY LOADING. LIVE LOAD PLUS IMPACT DEFLECTION DOES NOT EXCEED 1/1000 OF SPAN LENGTH. THE WORKING STRESS METHOD OF DESIGN WAS USED FOR THIS STRUCTURE.

ALL EXPOSED CONCRETE CORNERS SHOWN SQUARE ON THE PLANS SHALL BE BEVELED WITH 1/2" TRIANGULAR MOLDING EXCEPT AS OTHERWISE NOTED.

THE BASE ELEVATION FOR A 100 YEAR FLOOD IS 98.3 (578.0 NGVD) AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (F E M A) ON JULY 2, 1981. THE RECORDED HIGH WATER ELEVATION IS

THE DESIGN OF THE STRUCTURAL MEMBERS IS BASED ON MATERIAL OF THE FOLLOWING GRADES AND STRESSES:

CONCRETE: GRADES 35S; 45D	f'c = 3,000 PSI; 4,000 PSI
STEEL REINFORCEMENT:	fy = 60,000 PSI
STRUCTURAL STEEL: A36	fy = 36,000 PSI

THE CONTRACTOR SHALL LOCATE ALL ACTIVE UNDERGROUND UTILITIES PRIOR TO STARTING WORK AND SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER AS TO ENSURE THAT THOSE UTILITIES NOT REQUIRING RELOCATION WILL NOT BE DISTURBED.

TOPOGRAPHY SHOWN HEREON REPRESENTS CONDITIONS EXISTING AT THE TIME THE FIELD SURVEY WAS MADE. HOWEVER, THESE CONDITIONS MAY HAVE BEEN MATERIALLY ALTERED BY THE OPERATIONS OF OTHERS PRIOR TO THIS CONTRACT.

WATER LEVEL IS SUBJECT TO CHANGE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS OF WATER LEVELS THAT WILL EXIST DURING CONSTRUCTION.

FOR PROTECTION OF UNDERGROUND UTILITIES, THE CONTRACTOR SHALL DIAL 800-482-7171 A MINIMUM OF 48 HOURS PRIOR TO EXCAVATING IN THE VICINITY OF UTILITY LINES. ALL "MISS DIG" PARTICIPATING MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

revisions						
-						
-						
-						