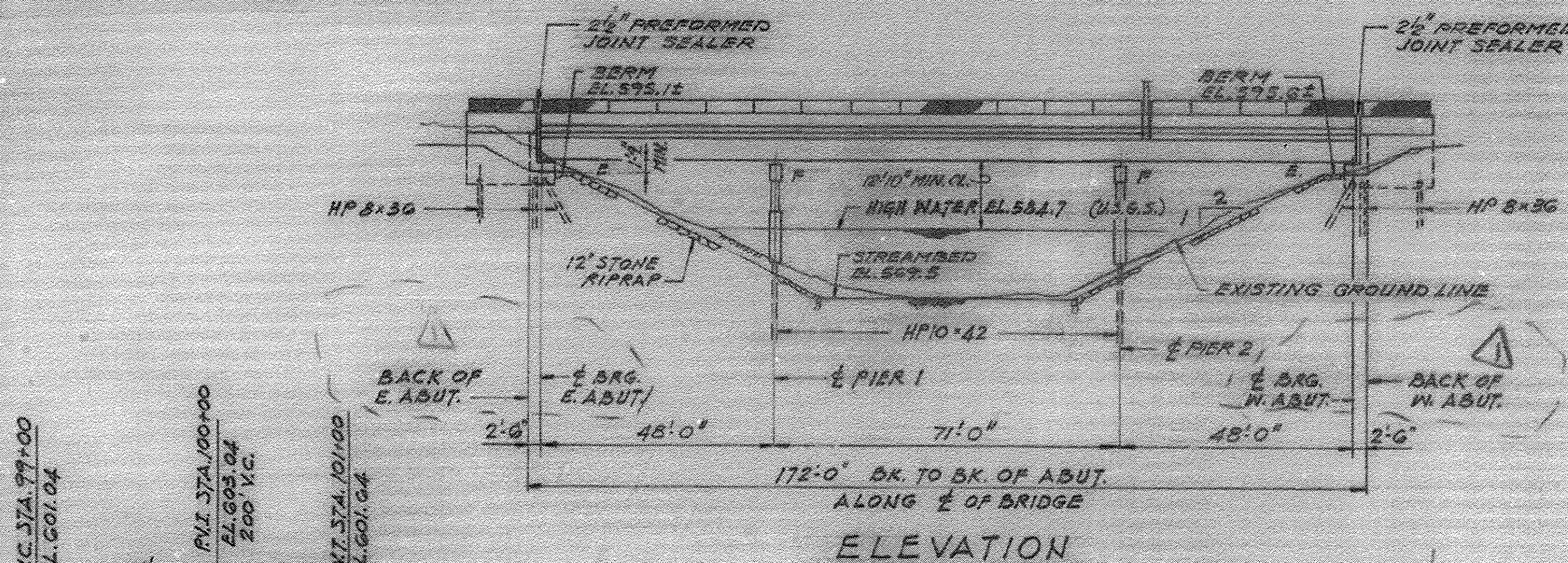
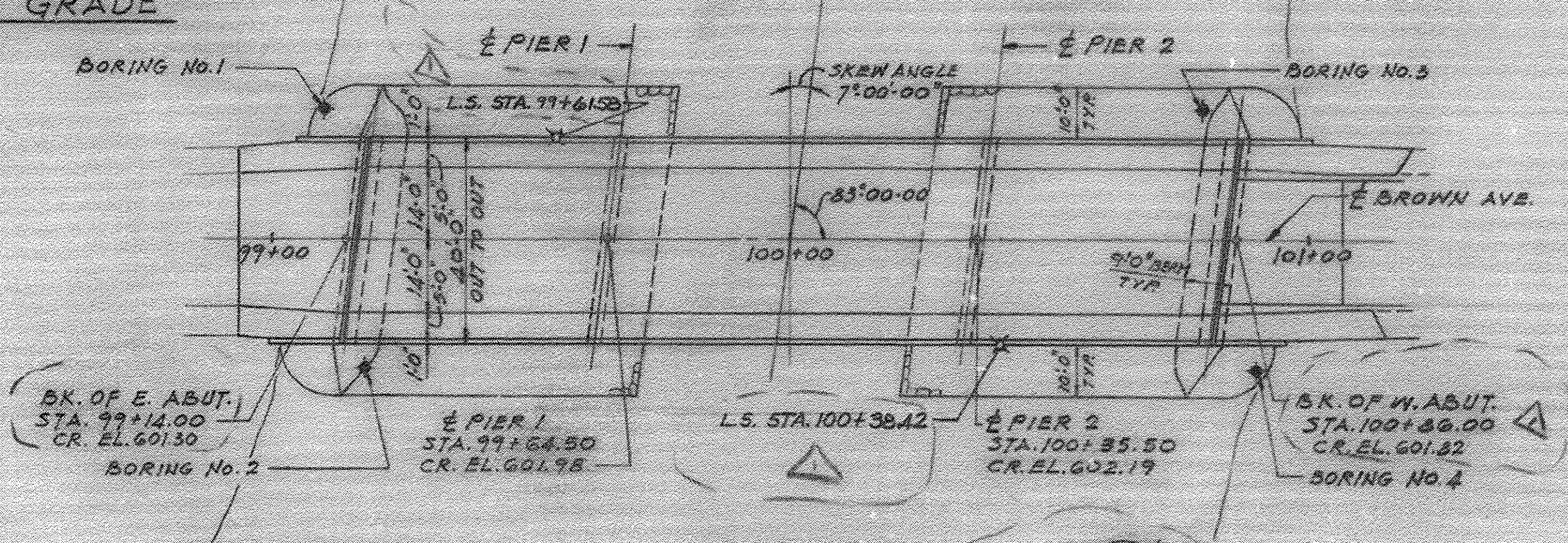
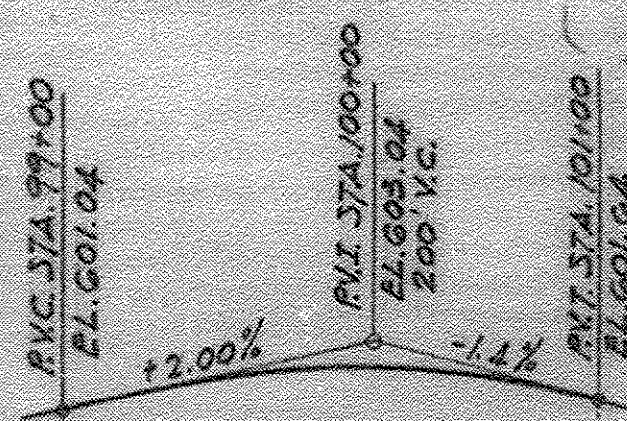


EXISTING STRUCTURE: 3 SPANS (2 @ 35'-5" AND 1 @ 71'-0") OF STEEL THROUGH GIRDERS WITH FLOOR BEAMS AND STEEL STRINGERS. THE DECK CONSISTS OF PLANKS OVERLAID WITH 3-INCH THICK PORTLAND CEMENT CONCRETE AND 3-INCH THICK ASPHALTIC CONCRETE. 24'-0" ROADWAY AND 5'-0" SIDEWALKS. CONCRETE BLOCK ABUTMENTS. PIERS CONSIST OF 4-48" DIAMETER CAISSONS WITH 2 STEEL CROSS TRUSSES. TO BE REMOVED BY CONTRACTOR.

B.M. #2 ELEV. 601.24
BRASS CAP SET IN CONC. SIDEWALK
SANITARY DISTRICT MONUMENT
15' LT. STA. 101+44.5
ELEV. 601.24 (U.S.G.S.) = 21.54 (C.C.D.)



PROFILE GRADE

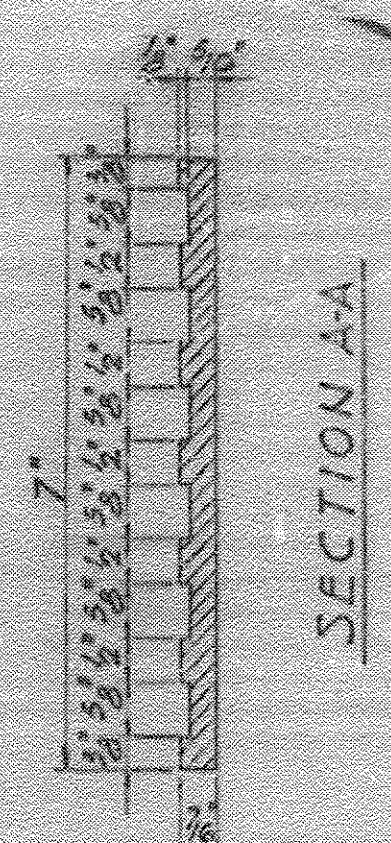


PLAN SCALE: 1" = 20'-0"

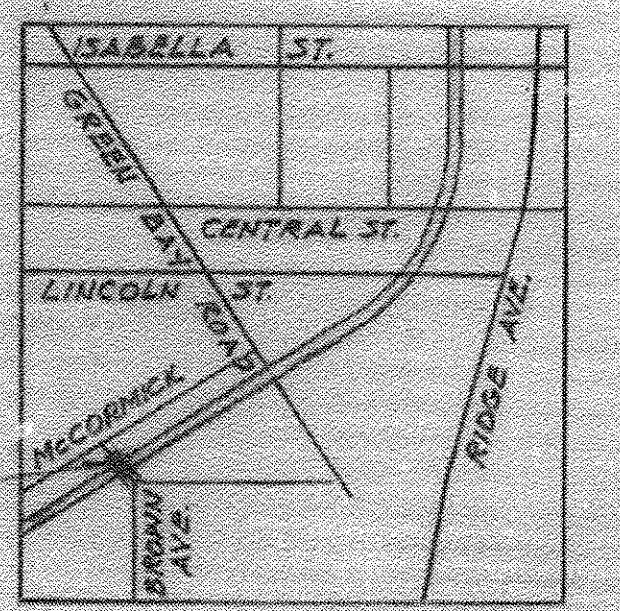
**BROWN AVENUE BRIDGE
OVER
NORTH SHORE CHANNEL
BUILT 197
LOADING HS20**

FOUR LUGS THREE INCHES LONG,
CAST ON BACK OF PLATE

LETTERING FOR NAME PLATE



WATERWAY INFORMATION
DESIGN FLOW 1000 C.F.S.
MAXIMUM H.W. ELEVATION 584.7
DESIGN WATER ELEVATION 584.7
REQUIRED OPENING 1048 SQ. FT.
PRESENT OPENING 1048 SQ. FT.
PROPOSED OPENING 1080 SQ. FT.



LOCATION PLAN

GENERAL NOTES

THE CONTRACTOR SHALL DRIVE ONE STEEL TEST PILE IN A PERMANENT LOCATION AT EACH ABUTMENT AND PIER AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE REMAINDER OF THE PILES.

THE CONCRETE RAIL SECTION ABOVE THE MANDATORY CONSTRUCTION JOINT AT TOP OF THE SLAB SHALL BE CONSTRUCTED OF CLASS X CONCRETE, EXCEPT THE AGGREGATES SHALL CONFORM TO THE REQUIREMENTS OF HANDRAIL CONCRETE.

THE CONTRACTOR SHALL VERIFY THE LOCATION AND DIMENSIONS OF EXISTING CAISSONS PRIOR TO THE CONSTRUCTION OF THE PIER.

ALL REINFORCEMENT BARS SHALL CONFORM TO AASHTO M-31 OR M-53 GRADE 60.

ALL STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH TWO COATS OF BASIC LEAD SILICO CHROMATE PAINT.

DESIGN LOAD
L.L. = HS20-44
FUTURE D.L. = 25 P.S.F.

DESIGN STRESSES (WORKING STRESS)
CONCRETE (CAST IN PLACE)
f_c = 3,500 P.S.I.
f_c = 1,400 P.S.I. N=9
f_c = 1,000 P.S.I. (WITH EARTH PRESSURE)

PRECAST PRESTRESSED UNITS
f_c = 6,000 P.S.I.
f_{ci} = 5,000 P.S.I.
f_s = 270,000 P.S.I. (1/2" DIA. STRANDS)
f_{si} = 189,000 P.S.I. (1/2" DIA. STRANDS)

REINFORCING STEEL
f_y = 60,000 P.S.I.
USE EPOXY COATED REINF. BARS IN TOP OF SLAB

PRECAST PRESTRESSED PLANKS
f_c = 5,000 P.S.I.
f_{ci} = 4,000 P.S.I.
f_s = 270,000 P.S.I. (3/8" DIA. STRANDS)

DESIGN SPECIFICATIONS
AASHTO: 1973 AND INTERIMS AS APPLICABLE

REVISION NOV 28, 1978
ALFRED BENESCH & COMPANY
CONSULTING ENGINEERS
428 W.
233N. MICHIGAN AVE. CHICAGO, ILLINOIS

**GENERAL PLAN AND ELEVATION
BROWN AVE.
OVER NORTH SHORE CHANNEL
OF METROPOLITAN SANITARY DISTRICT
OF GREATER CHICAGO
EVANSTON, ILLINOIS
STATION 100+00.00**

benesch
engineers - scientists - planners
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10055.02

FILE NAME =	USER NAME = ashsp	DESIGNED - MJF	REVISED -
0166953_041_Exist2.dgn		CHECKED - EFS	REVISED -
		PLOT SCALE =	REVISED -
		PLOT DATE = 2/19/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING DRAWING 2
STRUCTURE NO. 016-6953 BRIDGE ST. OVER THE NORTH SHORE CHANNEL**

SHEET NO. S41 OF S50 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00251-00-BR	COOK	118	94
			CONTRACT NO. 63817	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

X:\100005\10055.02\Eng_Docs_Phase_11\Brdge-Street_016-6953\Final\0166953-041_Exist2.dgn 2:52:42 PM 2/19/2013