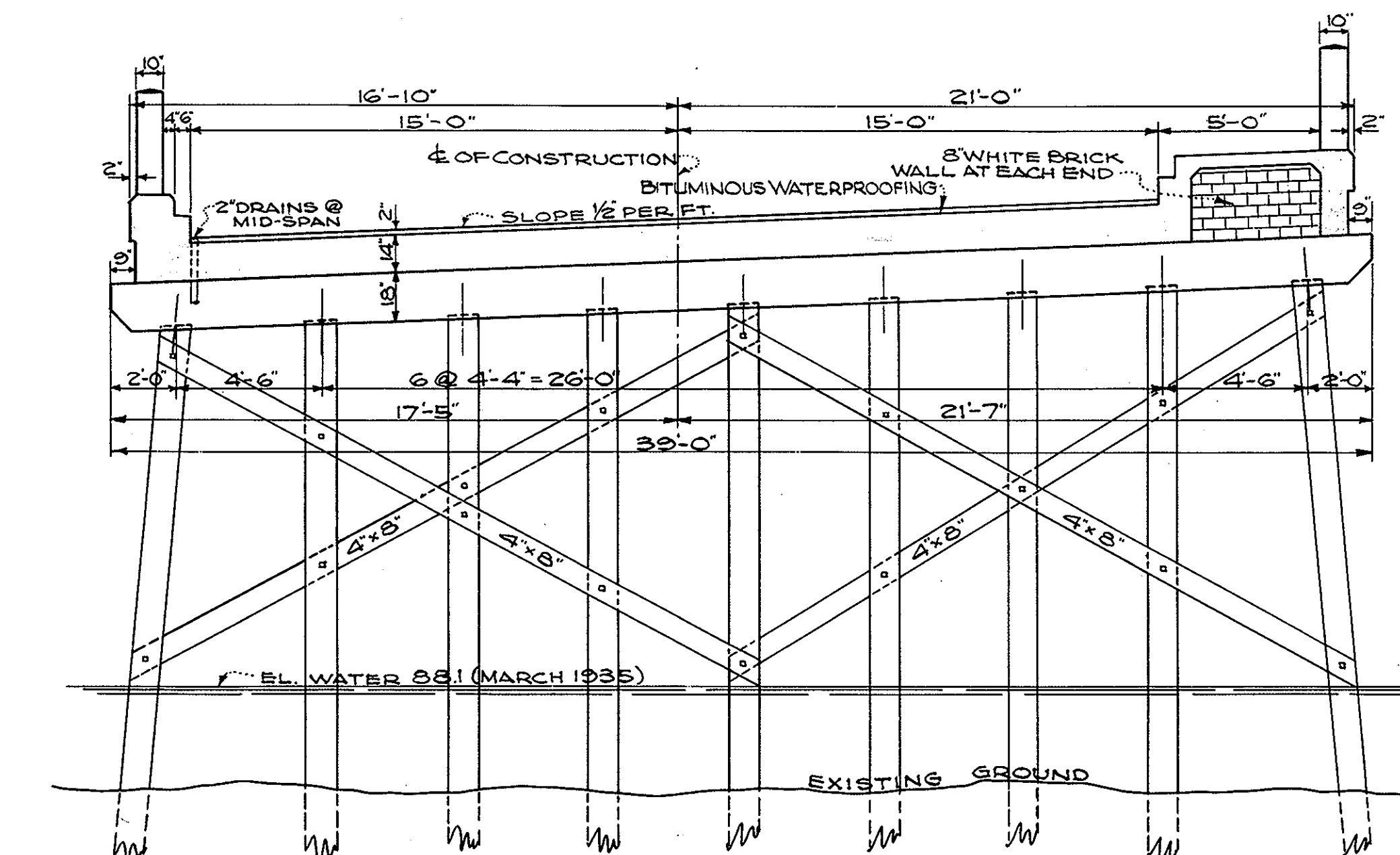
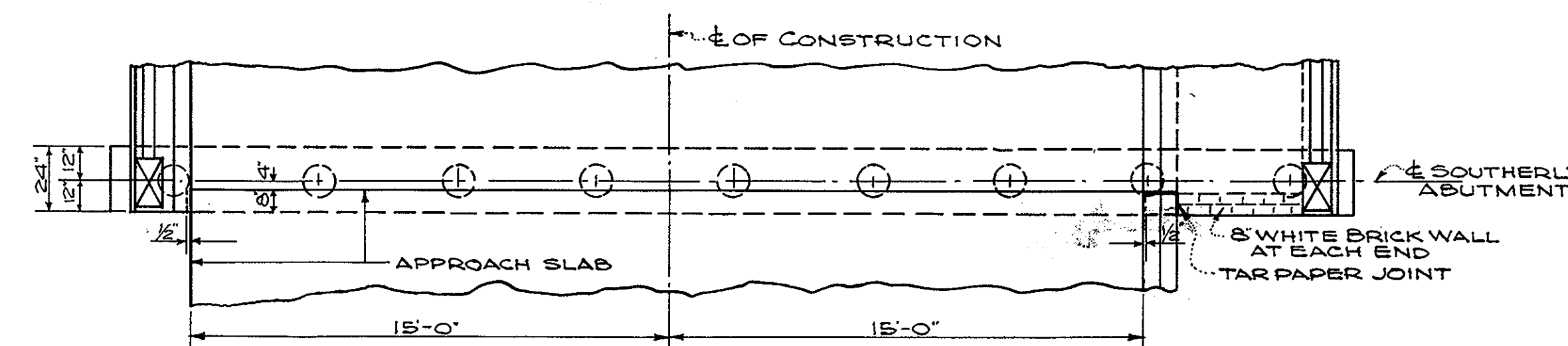
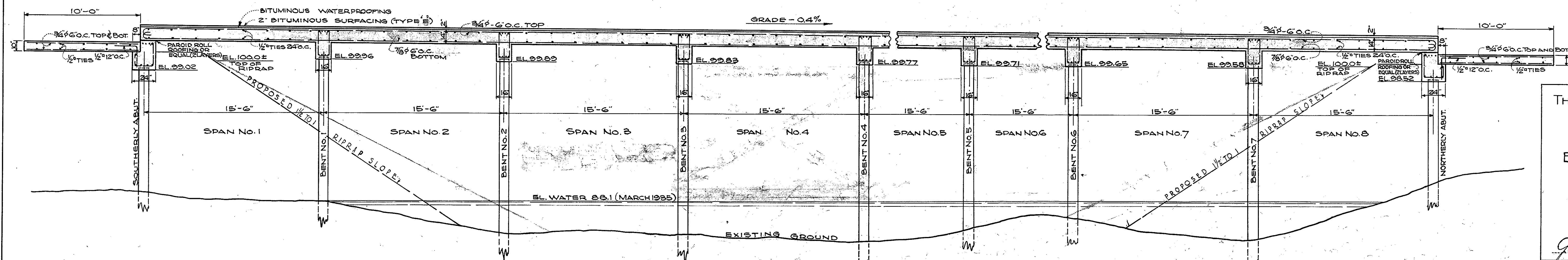
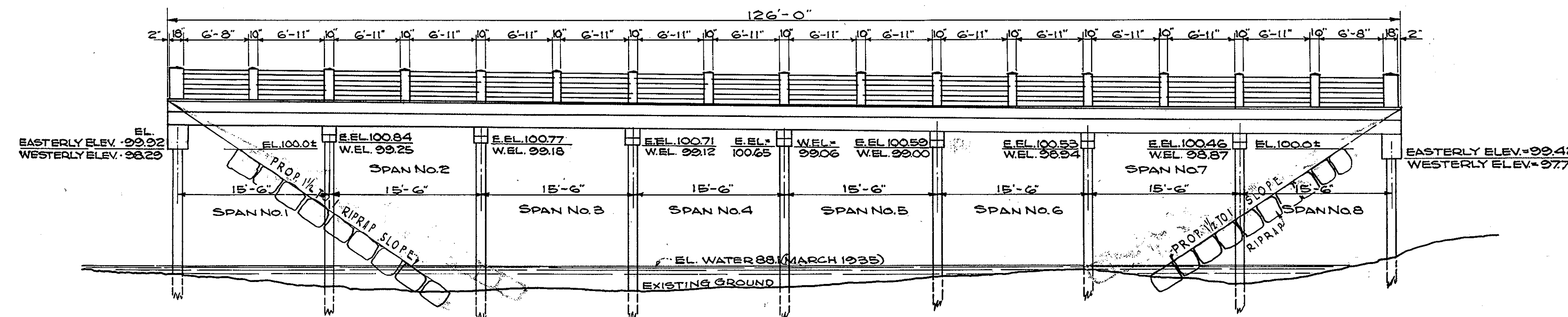
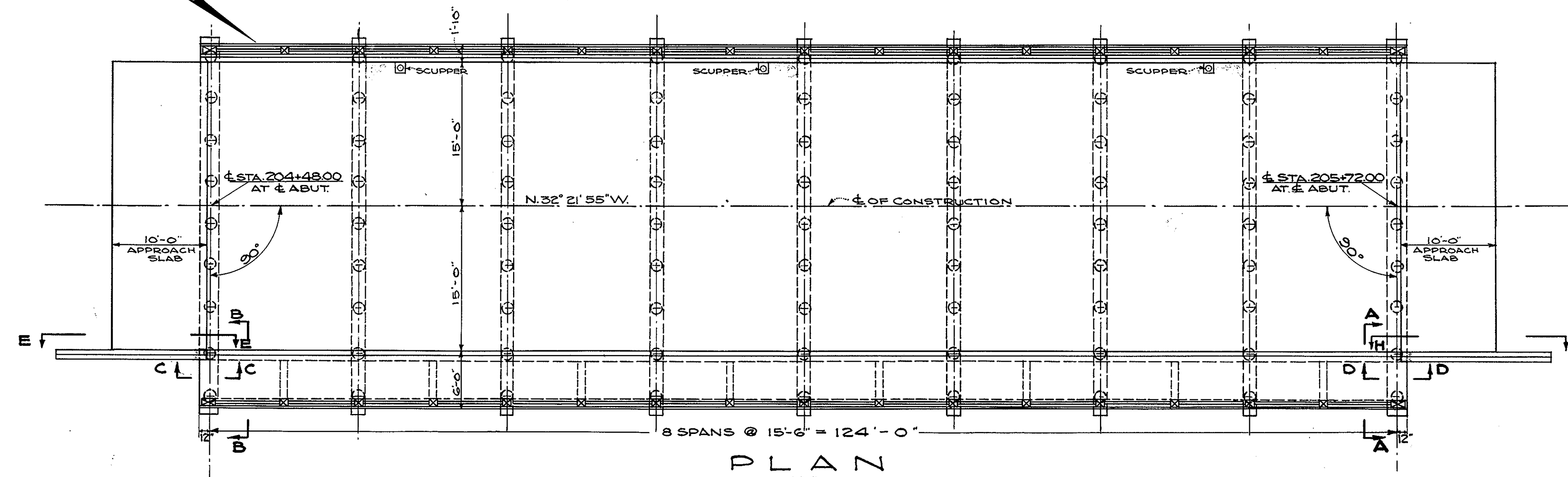




QUANTITIES	
EXCAVATION (LEDGE).....	5 CU. YDS.
EXCAVATION (CHANNEL).....	11 00 CU. YDS.
CONCRETE (1:2:4).....	264 CU. YDS.
REINFORCED.....	
CONCRETE (1:2:4).....	72 CU. YDS.
REINFORCED.....	
RIPRAP.....	470 CU. YDS.
PILES (CREOSOTED).....	3000 LIN. FT.
YELLOW PINE.....	
LUMBER (CREOSOTED).....	230 M.B.D.F.T.
YELLOW PINE.....	
TESTING PILE.....	1 PILE
WATERPROOFING.....	415 SQ.YDS.
(BITUMINOUS).....	
STEEL (REINFORCING).....	62,000 LBS.
SURFACING (TYPE E).....	52 TONS
BITUMINOUS.....	
SCUPPERS.....	3 EACH

- GENERAL NOTES**
- FINISH: ALL EXPOSED SURFACES TO BE RUBBED SMOOTH WITH CORUNDUM BRICK AND LEFT FREE FROM ALL FORM MARKS AND IMPERFECTIONS.
- DATE: TO BE PLACED IN CENTER OF INSIDE FACE OF NORTHWESTERLY AND SOUTHEASTERLY END POSTS. FOR SIZE AND CHARACTER OF NUMERALS SEE DETAILS ON ANOTHER SHEET.
- STEEL: ALL REINFORCEMENT TO BE DEFORMED BARS.
- BENCH MARK: BENT SPK. 48" MAPLE STA. 203+25 RT. ELEV.=109.07 NOT U.S.C. & G.S.
- TIMBER: ALL FASTENINGS SHALL BE FASTENING: 7/8" GALVANIZED SCREW BOLTS WITH 3"x3"x3/8" WASHERS, AT LEAST ONE BOLT TO BE USED AT EACH INTERSECTION.
- DESIGN LOADING: REVIEW OF DESIGN SHOWS BRIDGE GOOD FOR A LOADING OF H-20.

THE COMMONWEALTH OF MASSACHUSETTS
PROPOSED BRIDGE
HADLEY
BAY ROAD · STATION 205+10
OVER FORT RIVER
SCALES AS NOTED
OFFICE OF
DEPARTMENT OF PUBLIC WORKS
100 NASHUA ST. · BOSTON, MASS.
AUGUST 1935

DESIGNED BY L.H.R. TRACED BY A.S. CHECKED BY A.M.

BRIDGE ENGINEER CHIEF ENGINEER

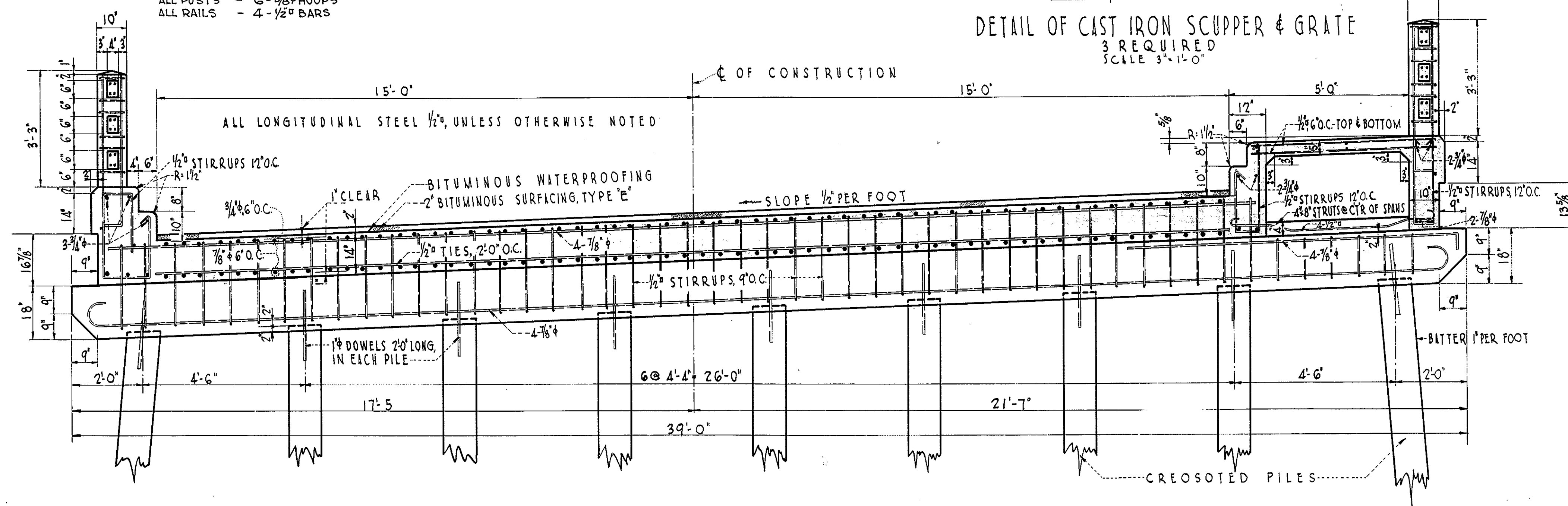
ADVERTISING CONSTRUCTION DATE OF ISSUE

EL. 86.8		EL. 88.1		EL. 85.2		EL. 88.5		EL. 86.1		EL. 85.7	
3	WET SAND & GRAVEL	4	SAND GRAVEL LOAM	3	WET SAND & GRAVEL	3	LOAM & GRAVEL	8	WET SAND & GRAVEL	4	WET SAND & GRAVEL
80.8	WET SAND & GRAVEL	10	WET SAND & GRAVEL	9	WET SAND & GRAVEL	9	WET SAND & GRAVEL	8	WET SAND & GRAVEL	6	WET SAND & GRAVEL
74.8	WET, MEDIUM SAND MOIST SAND & GRAVEL	21	COARSE SAND & GRAVEL	12	WET SAND & GRAVEL	11	FINE SAND	14	WET SAND & GRAVEL	10	WET SAND & GRAVEL
68.8	WET, MEDIUM SAND MOIST SAND & GRAVEL	67.1	GRAVEL	17	CLAYEY SAND	65.5	MOIST SAND & GRAVEL	66.1	MOIST SAND & GRAVEL	65.7	MOIST SAND & GRAVEL
61.8	MOIST MEDIUM SAND CLAY GRAVEL HARDPAN	58.1	CLAY & GRAVEL	24	CLAYEY SAND	58.5	MOIST SAND & GRAVEL	59.1	MOIST SAND & GRAVEL	58.7	MOIST SAND & GRAVEL
56.8	MOIST MEDIUM SAND CLAY GRAVEL HARDPAN	56.1	CLAY & GRAVEL	45	CLAYEY SAND	53.5	CLAYEY SAND & GRAVEL	51.1	MOIST CLAYEY SAND & GRAVEL	50.7	MOIST CLAYEY SAND & GRAVEL
53.3	MOIST MEDIUM SAND CLAY GRAVEL HARDPAN	53.2	CLAY & GRAVEL	59	CLAYEY SAND	51.1	CLAYEY SAND & GRAVEL	48.1	CLAY & GRAVEL	48.7	CLAY & GRAVEL
NO.1		NO.2		NO.3		NO.4		NO.5		NO.6	

WEIGHT OF HAMMER = 250 #

BORING DATA
BORINGS TAKEN JULY 1935 SCALE 1"=8'-0"

FENCE AND POST STEEL
18" POSTS - 3-3/4" U-BARS
10" POSTS - 2-3/4" U-BARS
ALL POSTS - 1" C-3/8" HOOPS
ALL RAILS - 4-1/2" BARS



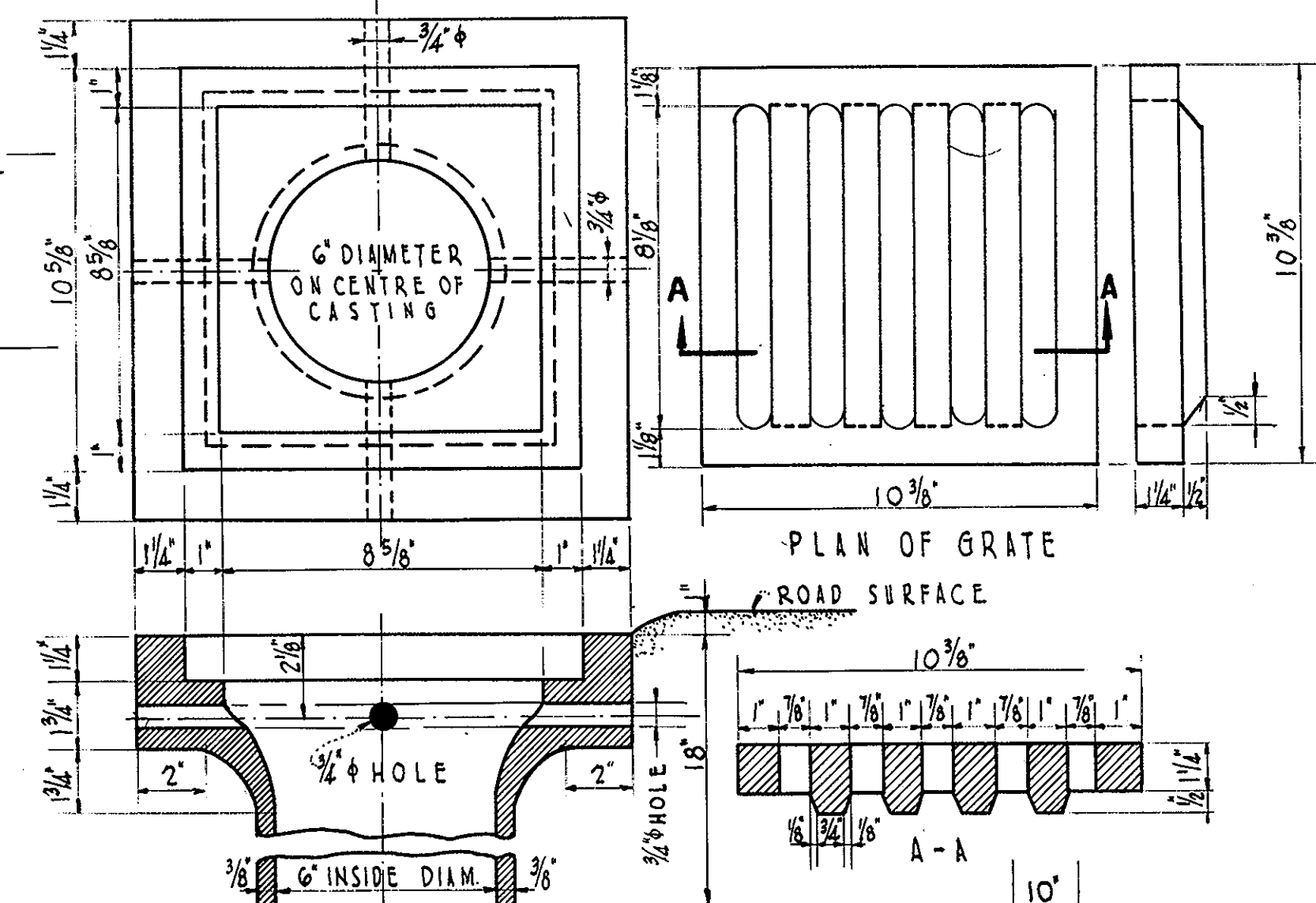
PILE CAP AND SUPERSTRUCTURE DETAIL
TYPICAL FOR ALL BENTS
SCALE 1/2"=1'-0"

BORING NOTES

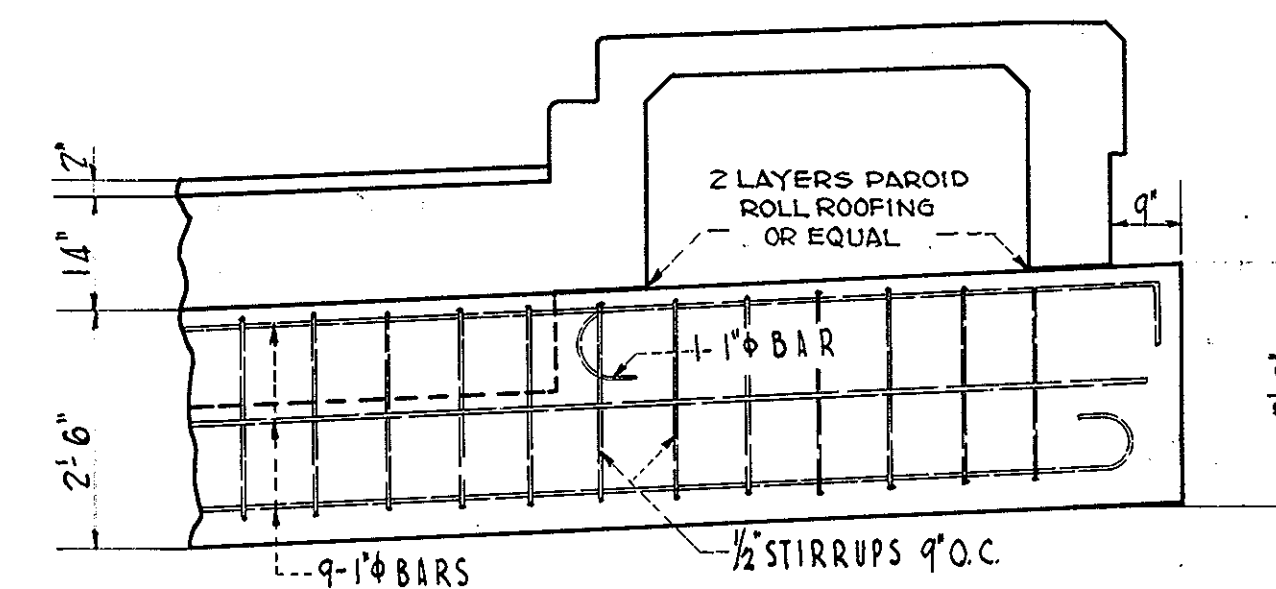
LOCATION OF BORINGS SHOWN ON KEY PLAN, THUS: ● NO.5

BORINGS TAKEN FOR PURPOSE OF DESIGN, AND INDICATE CONDITIONS AT BORING POINTS ONLY, BUT DO NOT NECESSARILY SHOW NATURE OF MATERIAL TO BE ENCOUNTERED IN CONNECTION WITH THE CONSTRUCTION OF THE BRIDGE.

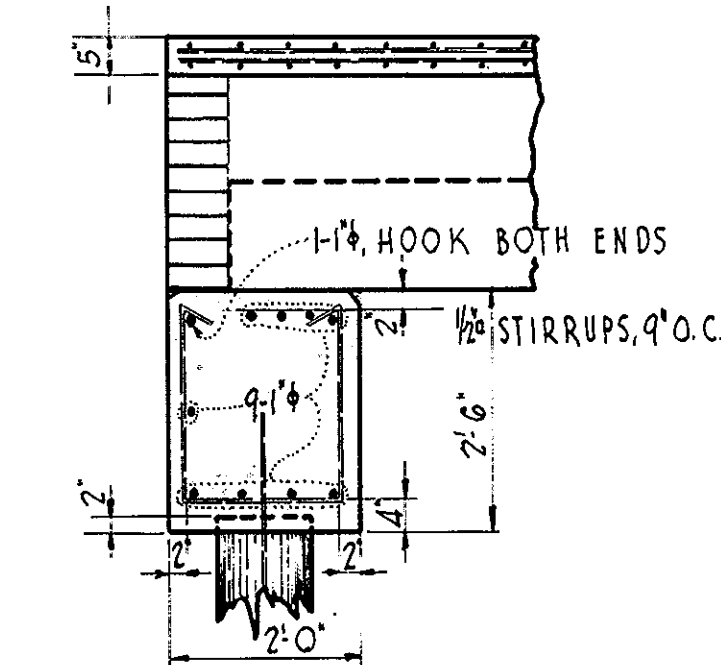
FIGURES IN COLUMNS INDICATE BLOWS PER FOOT ON SPOON.



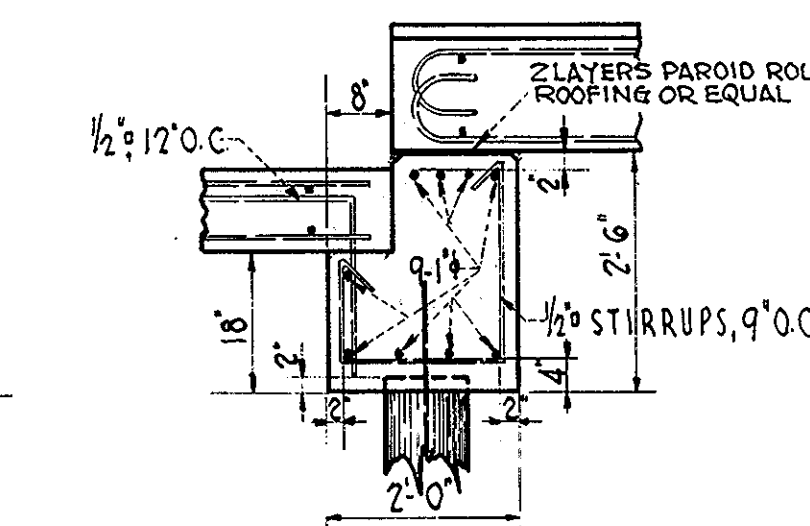
DETAIL OF CAST IRON SCUPPER & GRATE
3 REQUIRED
SCALE 3"=1'-0"



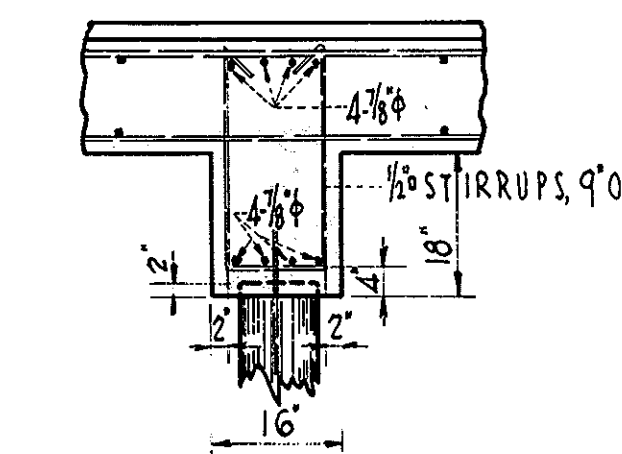
SECTION A-A
(SECTION B-B, OPPOSITE HAND)
SCALE 1/2"=1'-0"



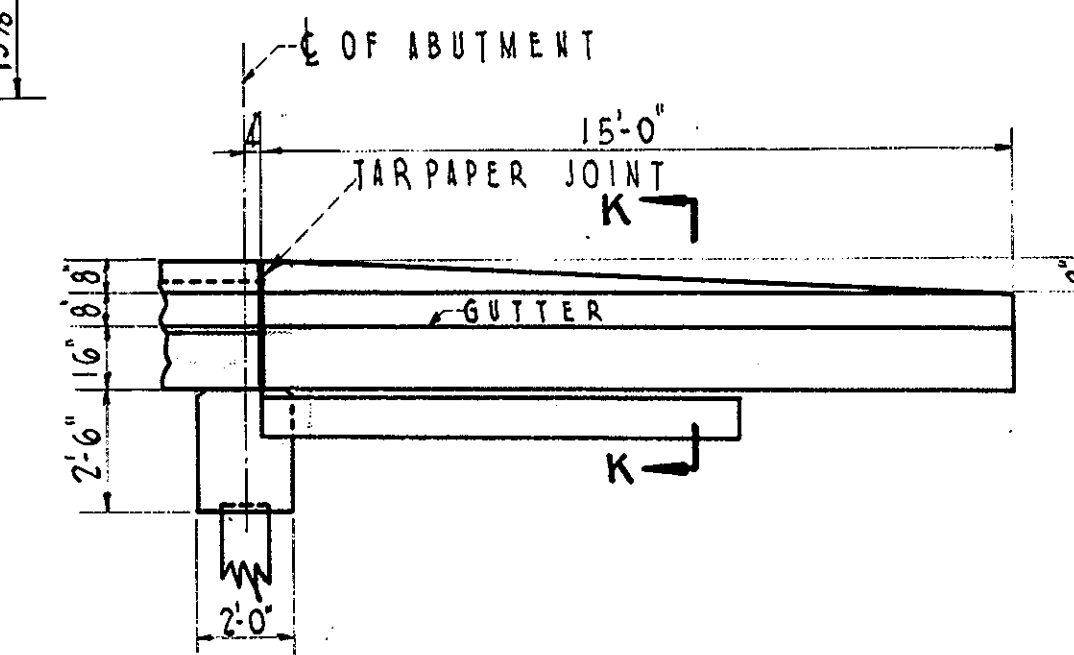
SECTION C-C
(SECTION D-D, OPPOSITE HAND)
SCALE 1/2"=1'-0"



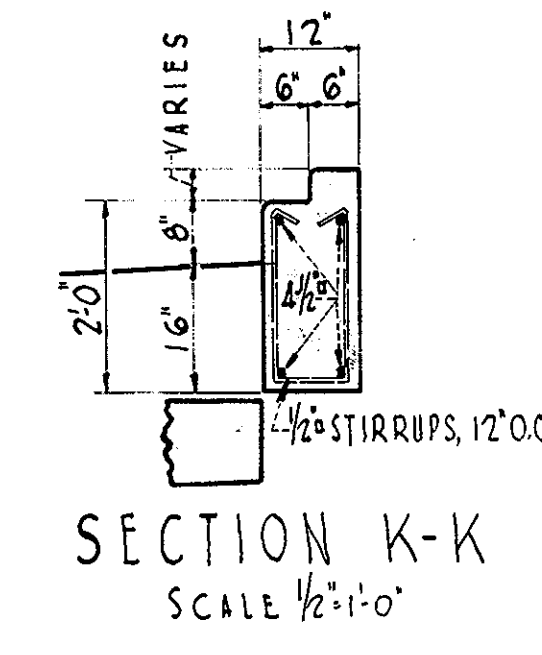
SECTION THRU PILE CAP
AT SOUTH ABUTMENT
(NORTH ABUTMENT SIMILAR)
SCALE 1/2"=1'-0"



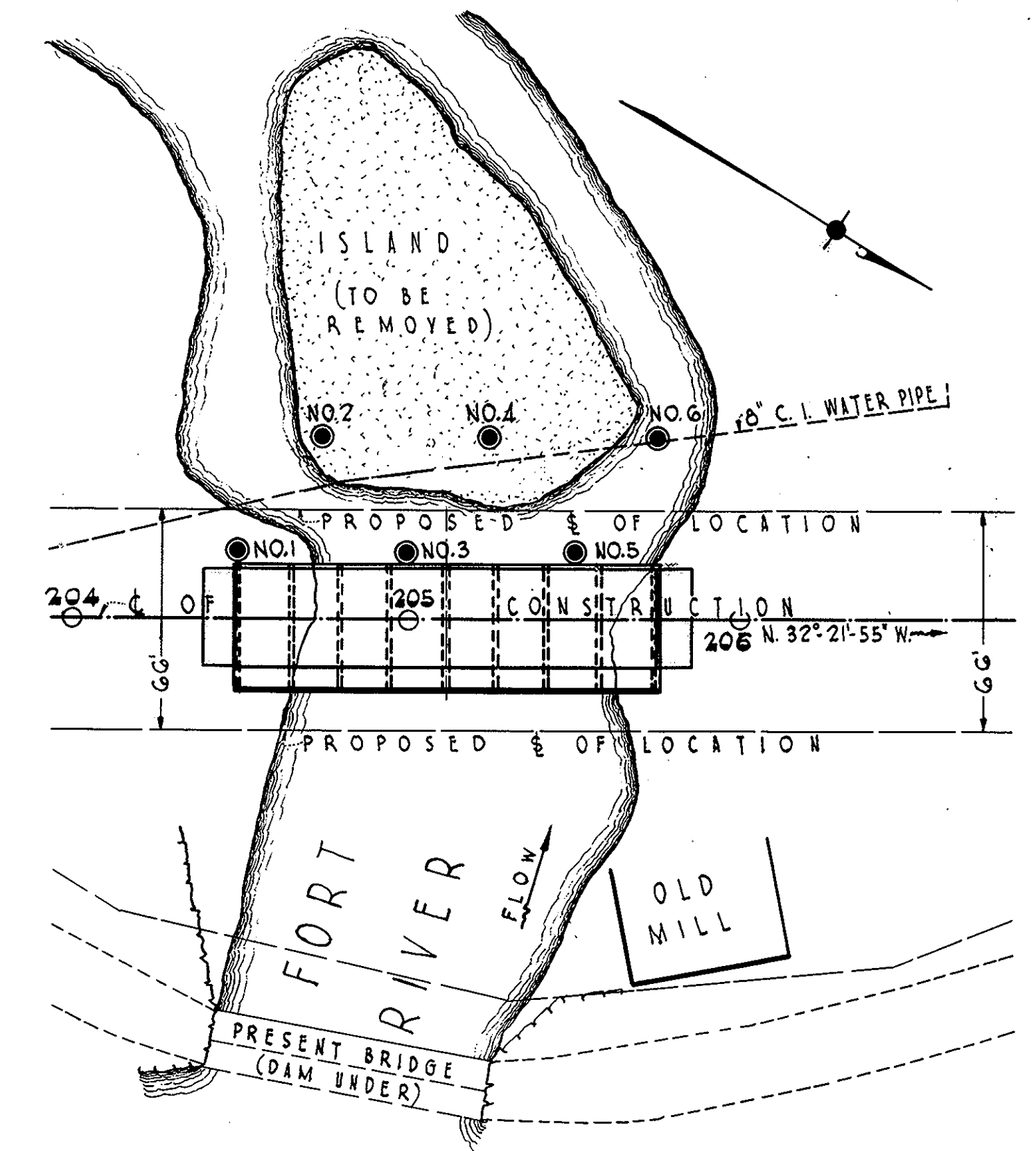
SECTION THRU PILE CAP
(TYPICAL FOR ALL BENTS)
SCALE 1/2"=1'-0"



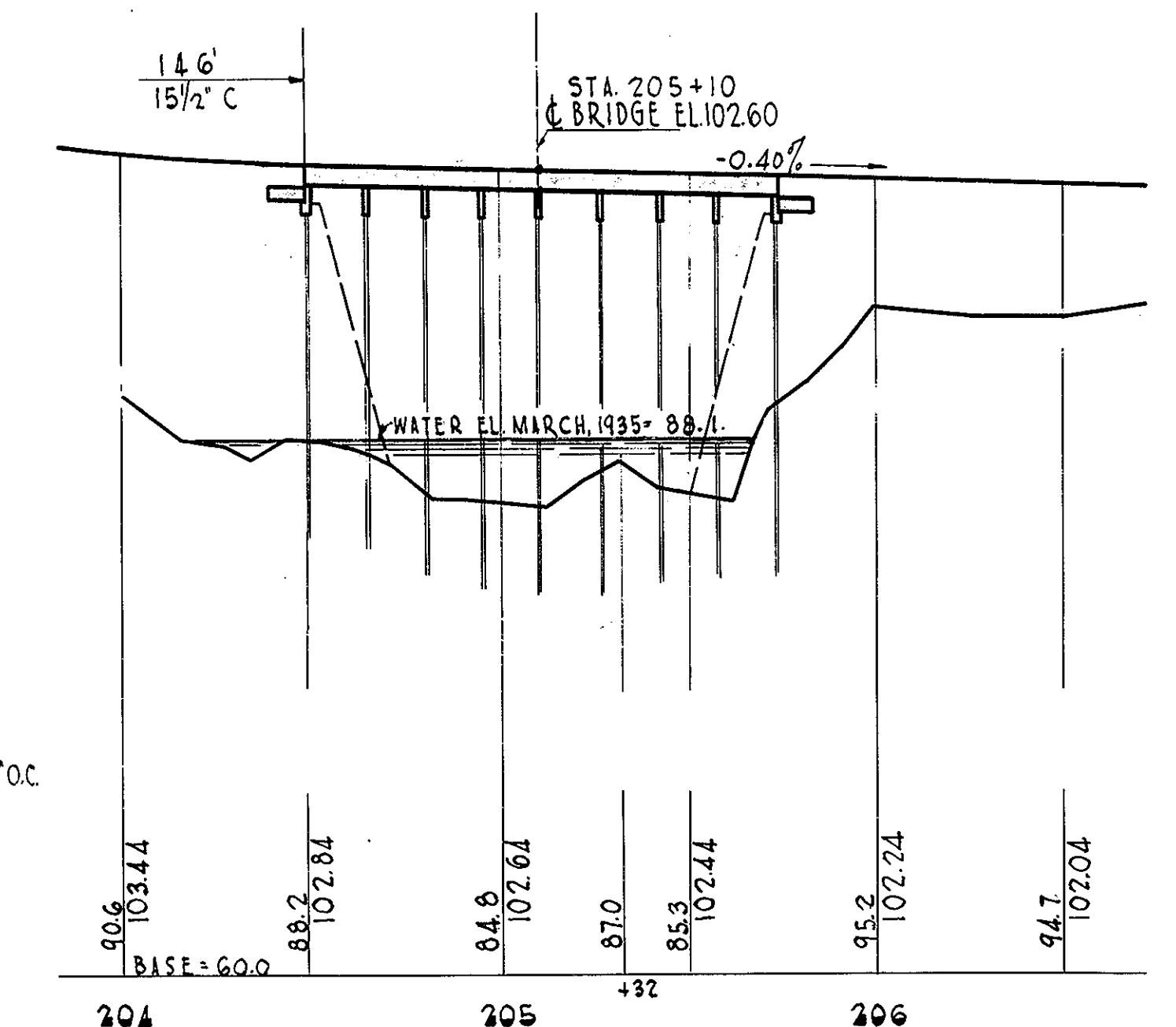
SECTION E-E
(SECTION H-H, OPPOSITE HAND)
SCALE 1/2"=1'-0"



SECTION K-K
SCALE 1/2"=1'-0"



KEY PLAN
SCALE 1"=40'-0"



PROFILE
HORIZ SCALE 1"=40'-0" VERT SCALE 1"=8'-0"