

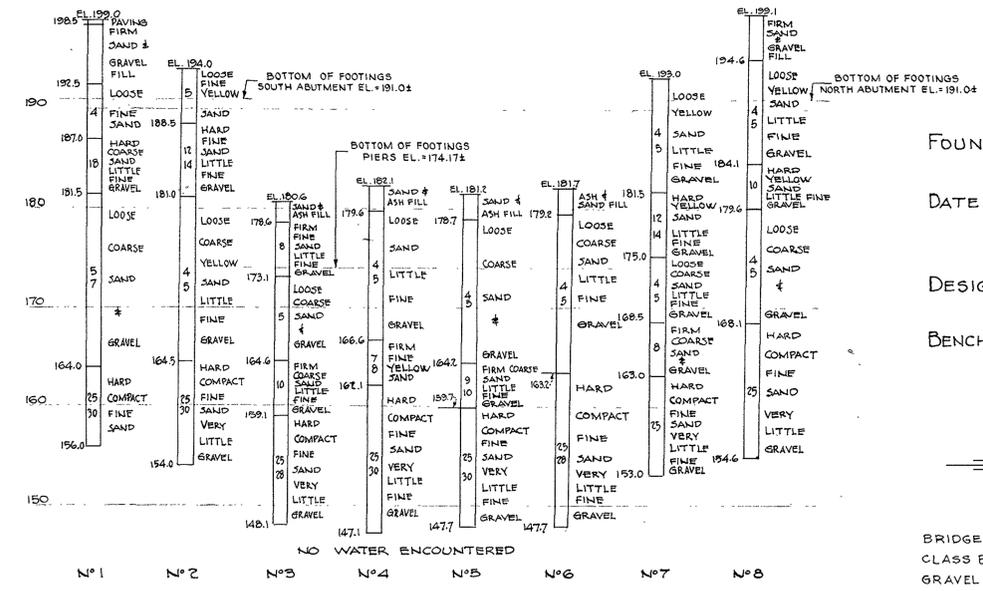
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	MASS.	S673(0)	1944	6	31

GENERAL NOTES

- FOUNDATIONS:**
MAY BE ALTERED IF NECESSARY TO SUIT CONDITIONS OF CONSTRUCTION.
- DATE & SEAL:**
TO BE PLACED IN CENTER OF INSIDE FACE OF NORTHWESTERLY AND SOUTHEASTERLY END POSTS. FOR ARRANGEMENT SEE SHEET 4. FOR SIZE AND CHARACTER OF NUMERALS SEE DETAILS ON ANOTHER SHEET.
- DESIGN:**
ACCORDING TO SPECIFICATIONS OF THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS (1944ED.) FOR H-20 LOADING.
- BENCH MARK:**
STA. 22+88-16.5 LT. ESC. PIN TOP PARAPET WALL OF SOUTHWESTERLY ABUTMENT 3.7' FROM NORTHERLY END. ELEV. 200.22 SEA LEVEL DATUM OF 1929.

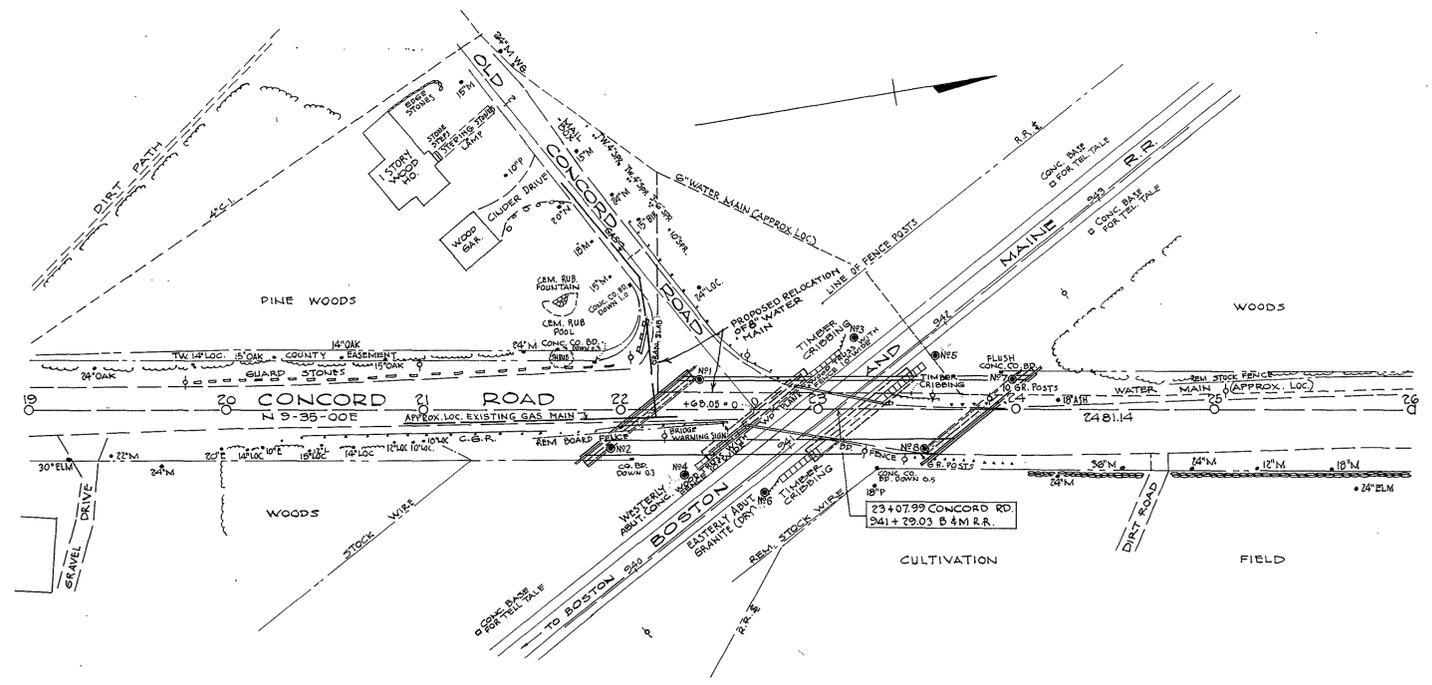
ESTIMATED QUANTITIES (NOT GUARANTEED)

BRIDGE EXCAVATION.....	1700	CU. YDS.
CLASS B ROCK EXCAVATION.....	10	CU. YDS.
GRAVEL BORROW.....	370	CU. YDS.
LUMBER SHEETING.....	28	M. FT. B.M.
C.E.M. CONC. MASONRY-CLASS A.....	420	CU. YDS.
C.E.M. CONC. MASONRY-CLASS B.....	220	CU. YDS.
STEEL REINF. FOR STRUCTURES.....	86000	POUNDS
MEMBRANE WATERPROOFING (3-PLY).....	610	SQ. YDS.
STRUCTURAL STEEL.....	238000	POUNDS
METAL BRIDGE RAILINGS.....	339	LINEAL FT.
WROUGHT IRON BLAST PLATES.....	14150	POUNDS
GUNITE.....	3630	SQ. FT.
REMOVAL OF PRESENT SUPERSTRUCTURE.....	1	LUMP SUM
BRIDGE ANCHOR ASSEMBLIES.....	4	EACH
CLASS I BIT. CONC. FLYEVEN (TYPE I-1).....	82	TONS
GRANITE CURBING TYPE VA (6"x11").....	354	LINEAL FT.
STRIPPING GRAVEL PITS.....	40	CU. YDS.
GRAVEL COBBLESTONE PAVING.....	180	SQ. YDS.

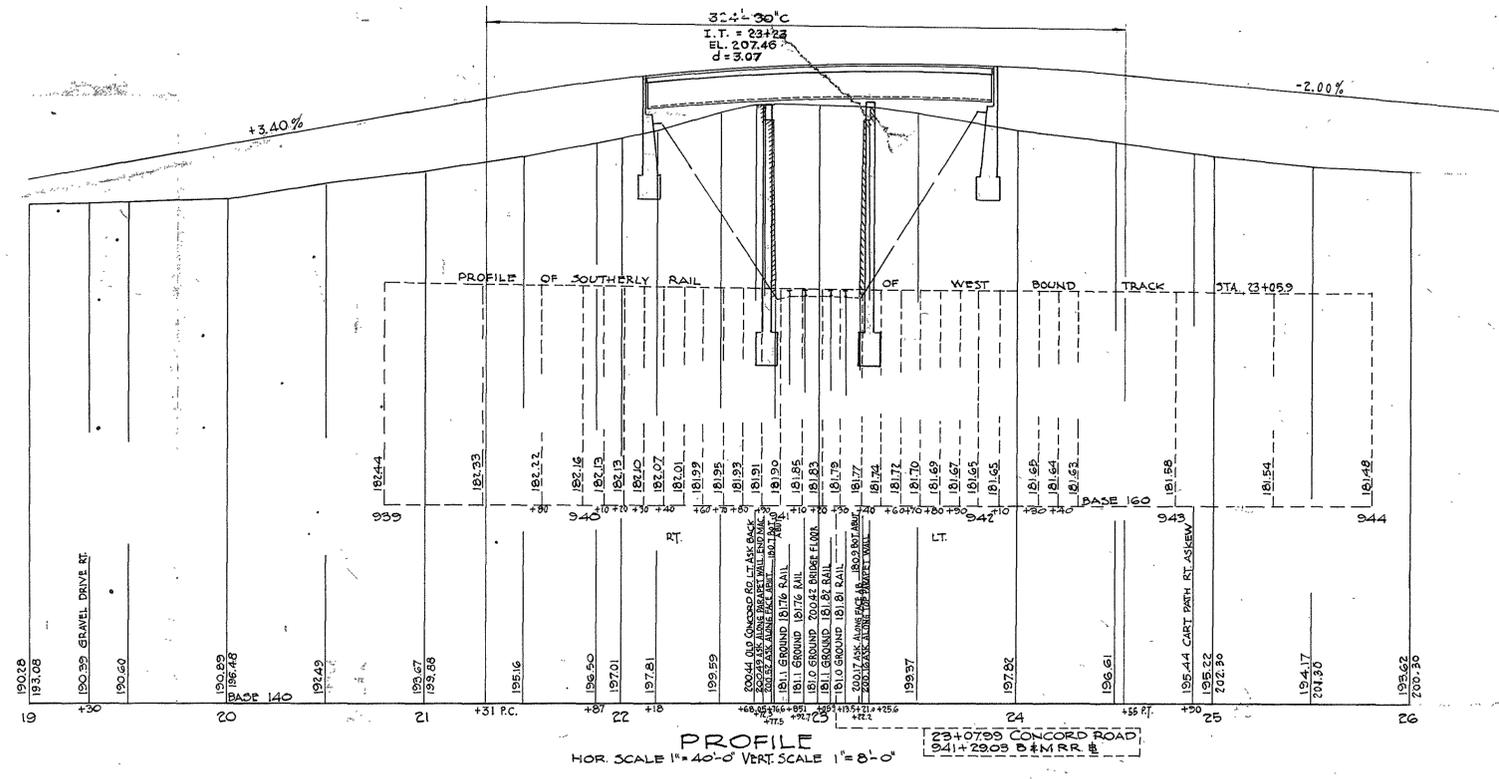


BORING DATA
SCALE 1" = 2'-0" BORINGS TAKEN FEB. 2, 1944

LOCATION OF BORINGS SHOWN ON KEY PLAN THUS ●
BORINGS TAKEN FOR PURPOSE OF DESIGN AND SHOW CONDITIONS AT BORING POINTS ONLY, BUT DO NOT NECESSARILY SHOW NATURE OF MATERIAL TO BE ENCOUNTERED IN CONNECTION WITH CONSTRUCTION OF THE BRIDGE. FIGURES IN COLUMNS INDICATE BLOWS PER FOOT ON 1" PIPE PRODUCED BY 90° FALL OF 140# HAMMER.
SAMPLES FROM BORINGS ARE AVAILABLE AND MAY BE SEEN AT THE OFFICE OF THE BRIDGE ENGINEER - MR. R. O. SPOFFORD, ROOM 605



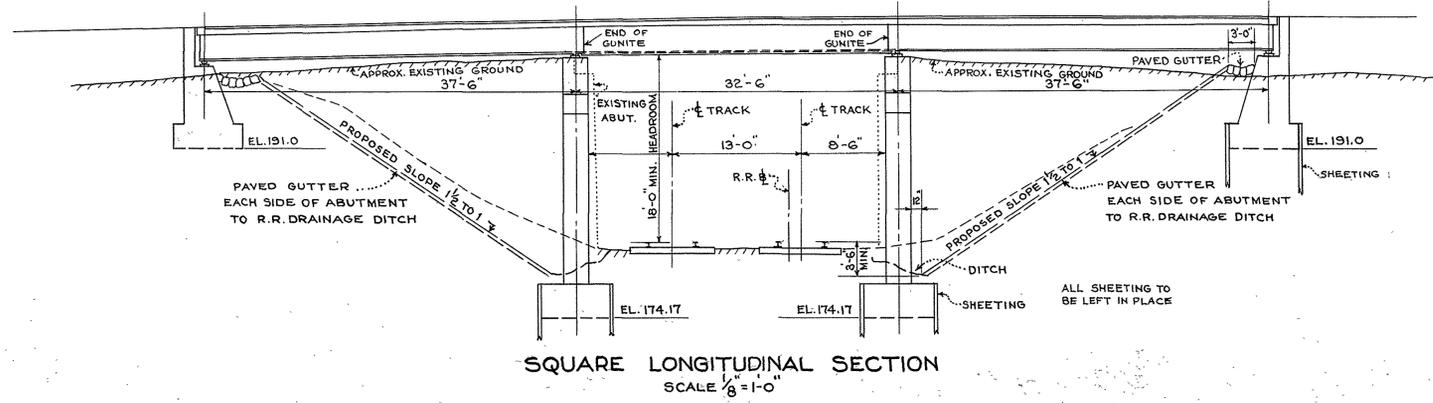
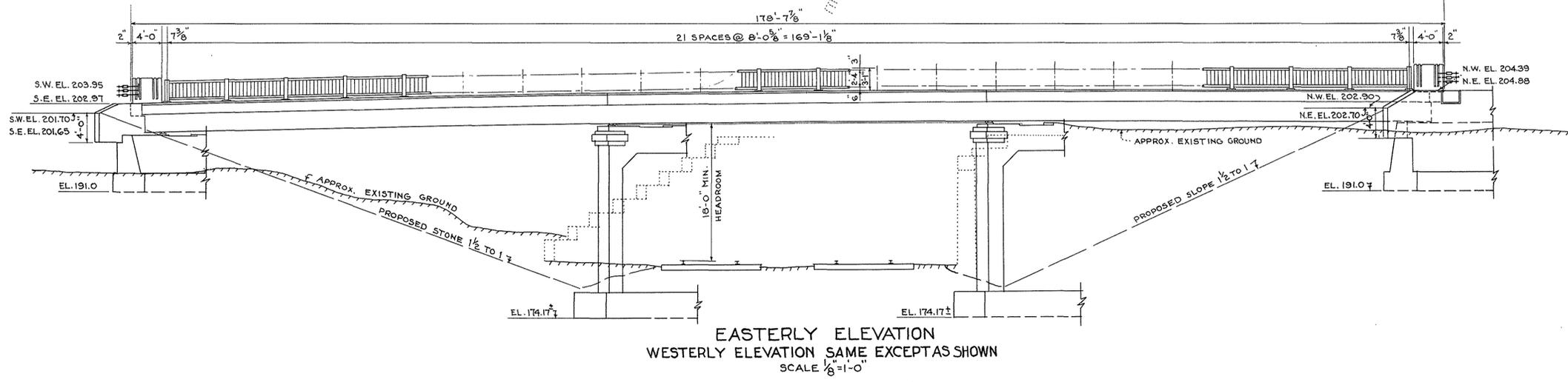
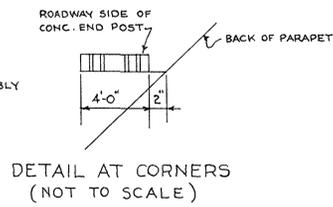
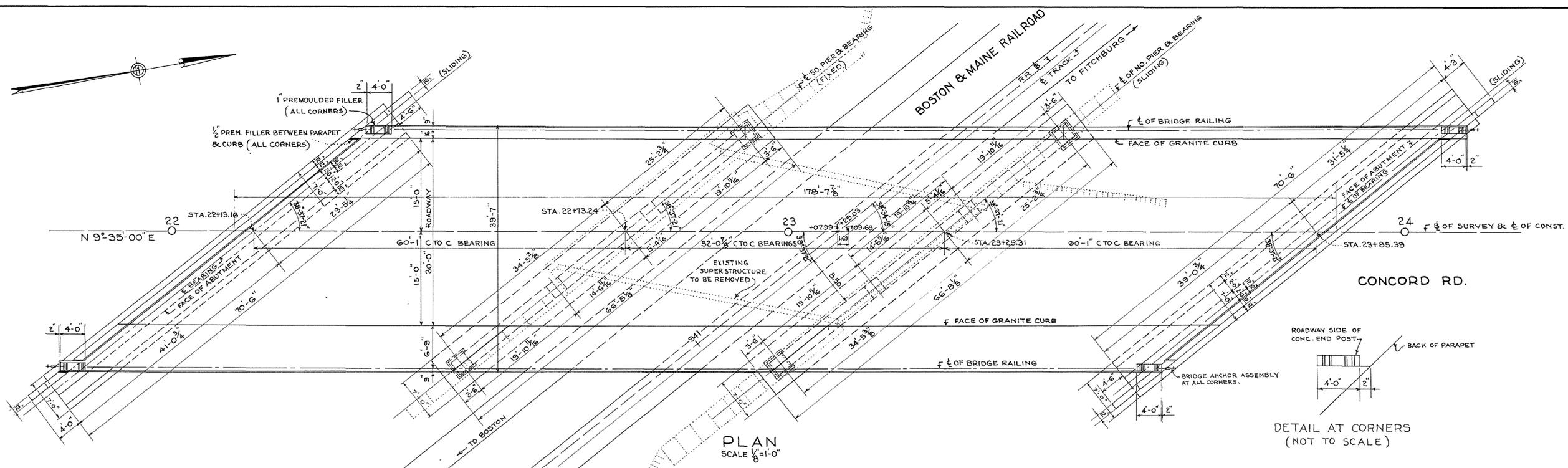
KEY PLAN
SCALE 1" = 40'-0"



PROFILE
HOR. SCALE 1" = 40'-0" VERT. SCALE 1" = 8'-0"

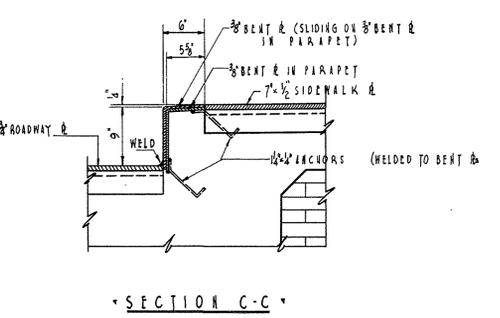
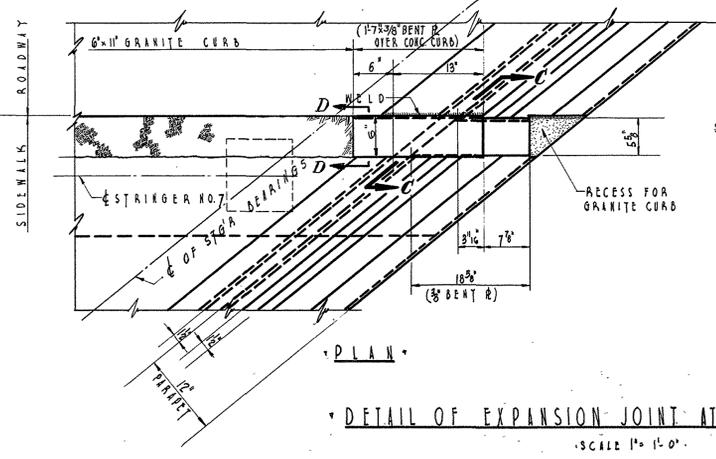
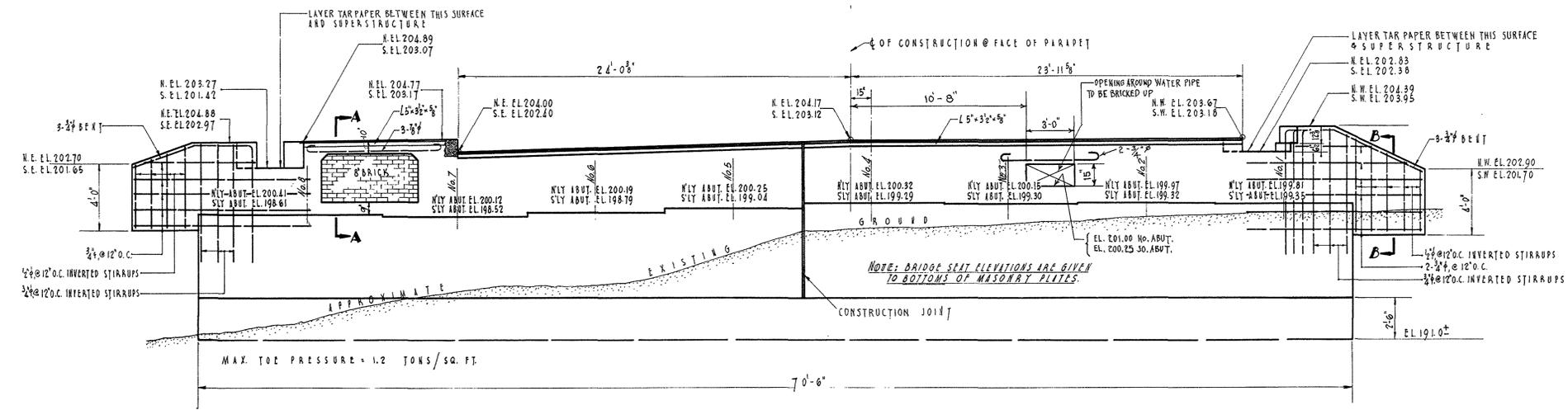
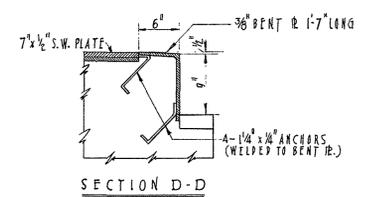
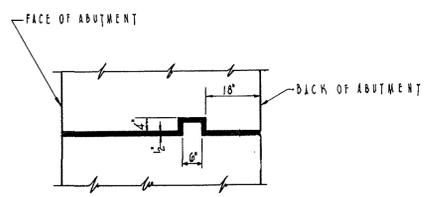
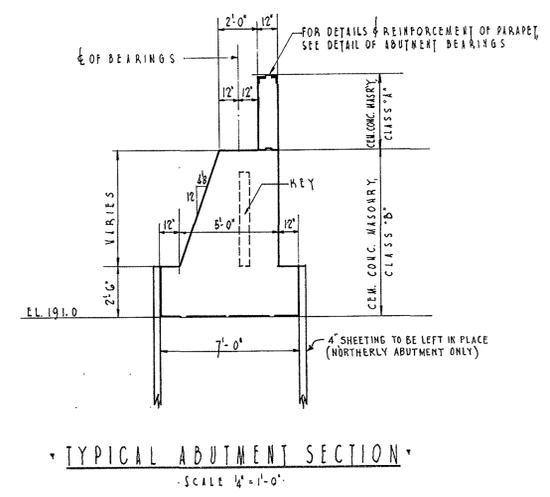
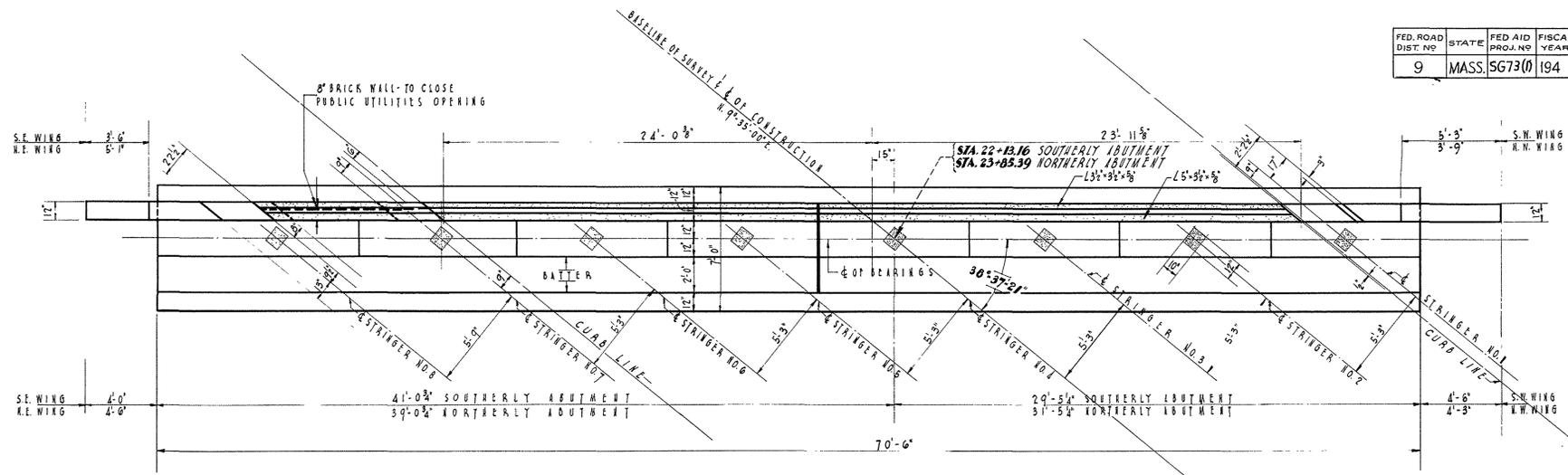
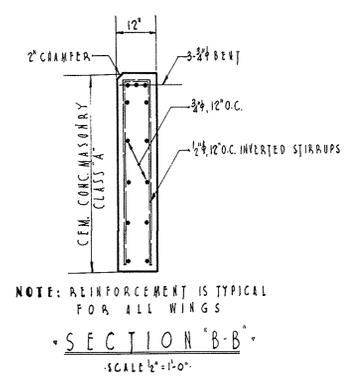
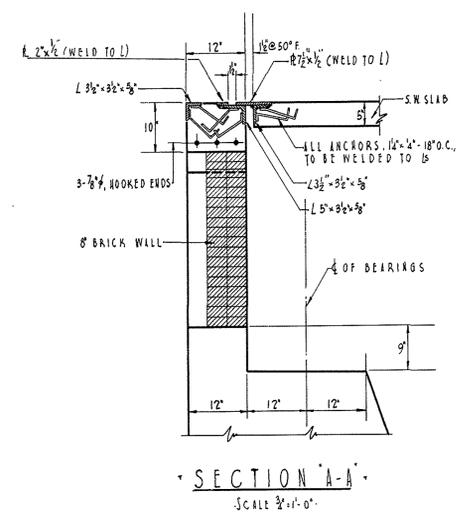
DATE	SHEET NOS.	DESCRIPTION
LIST OF REVISIONS-USE ONLY PRINTS OF LATEST DATE		
THE COMMONWEALTH OF MASSACHUSETTS PROPOSED BRIDGE LINCOLN BAKER'S BRIDGE-CONCORD ROAD STA. 22+99.27 OVER B. & M. R. R. SCALES AS NOTED OFFICE OF DEPARTMENT OF PUBLIC WORKS 100 NASHUA ST. - BOSTON, MASS. DEC. 1949		
DESIGNED BY P.C.M.	TRACED BY R.H.S.	CHECKED BY L.H.R.
ADVERTISING CONSTRUCTION		DATE OF ISSUE
12/24/49	12/24/49	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	MASS.	SG730	194	7	31



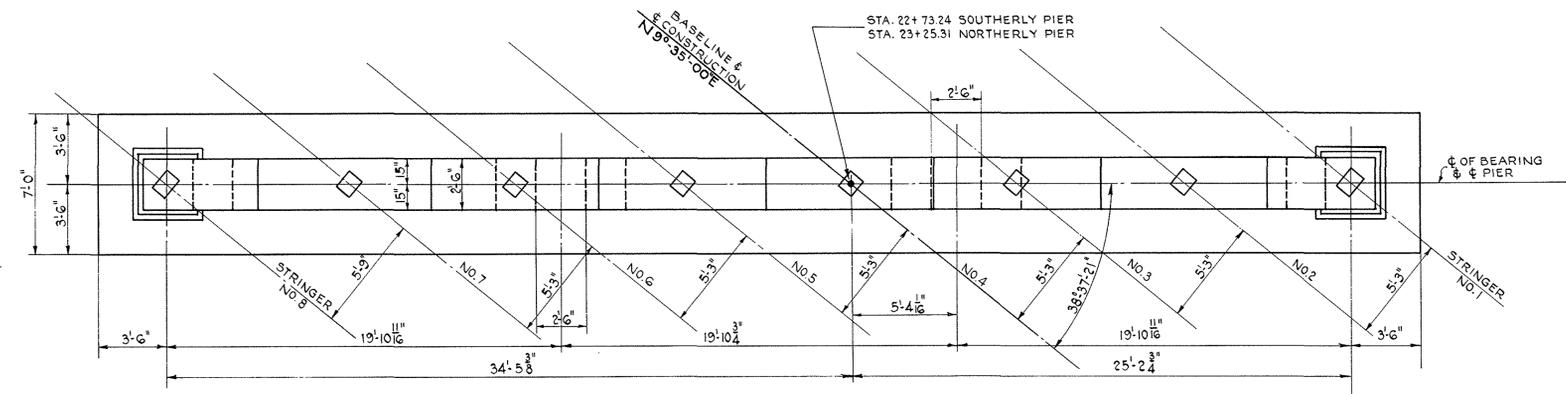
12/24/47	CONSTRUCTION
12/24/47	ADVERTISING
DATE	DESCRIPTION
USE ONLY PRINTS OF LATEST DATE	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	MASS.	5G73(0)	194	8	31

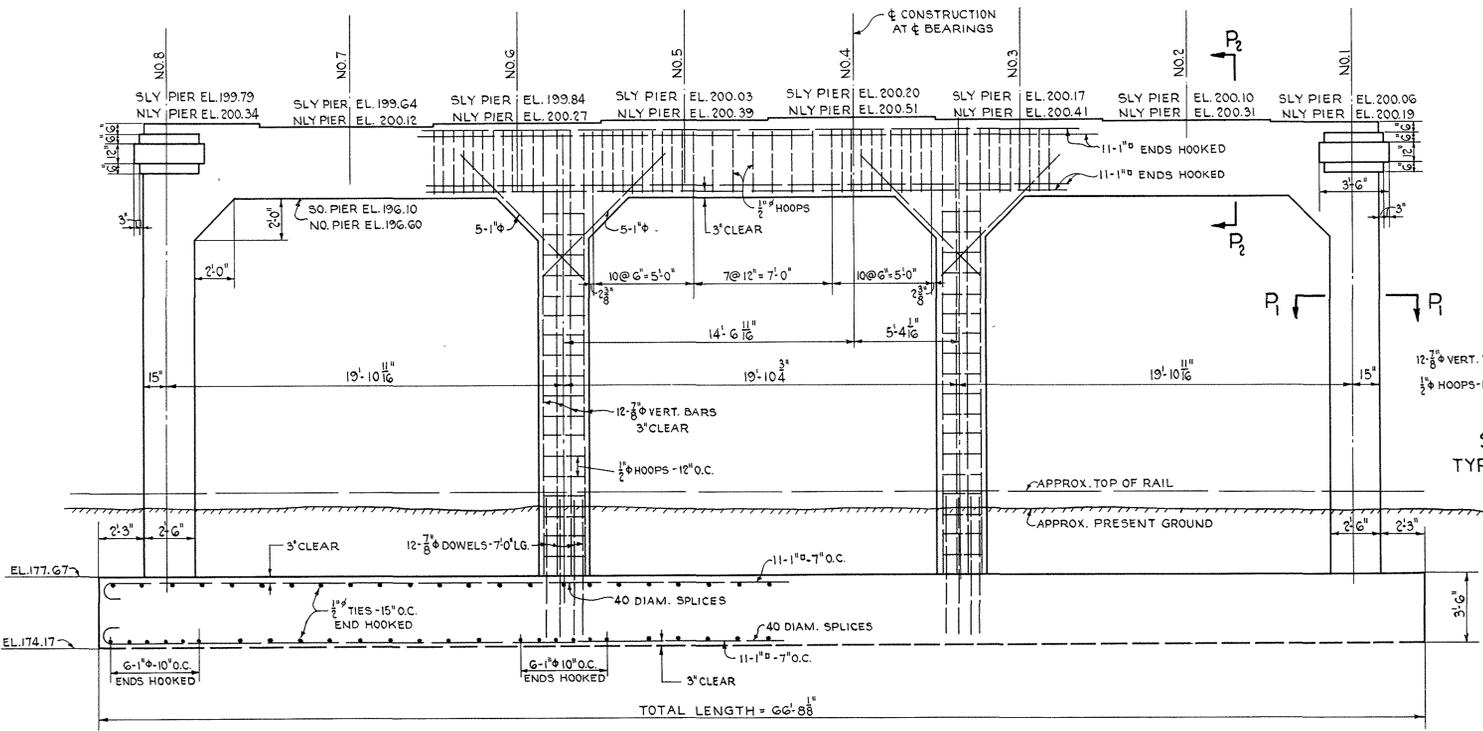


DATE	CONSTRUCTION
12/24/49	CONSTRUCTION
12/24/49	ADVERTISING
DATE	DESCRIPTION
USE ONLY PRINTS OF LATEST DATE	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	MASS.	5673(1)	194	9	31

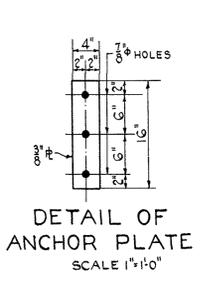


TYPICAL PIER PLAN
NORTHERLY & SOUTHERLY PIERS
SCALE 1/4"=1'-0"

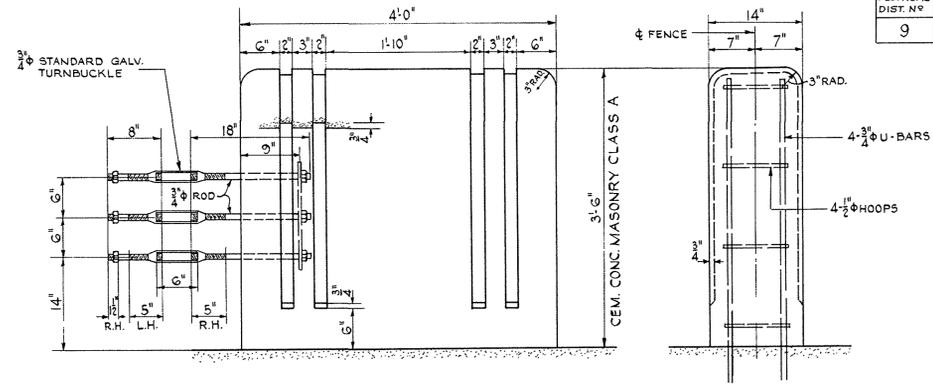


TYPICAL PIER ELEVATION
NORTHERLY & SOUTHERLY PIERS
SCALE 1/4"=1'-0"

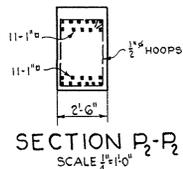
NOTE: ALL CONCRETE IN PIERS TO BE CEM. CONC. MASONRY CLASS A.



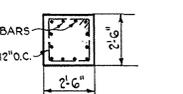
DETAIL OF ANCHOR PLATE
SCALE 1"=1'-0"



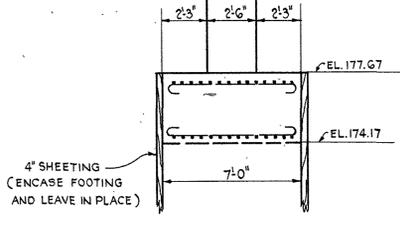
DETAIL OF POSTS & ANCHOR ASSEMBLIES
SCALE 1"=1'-0"



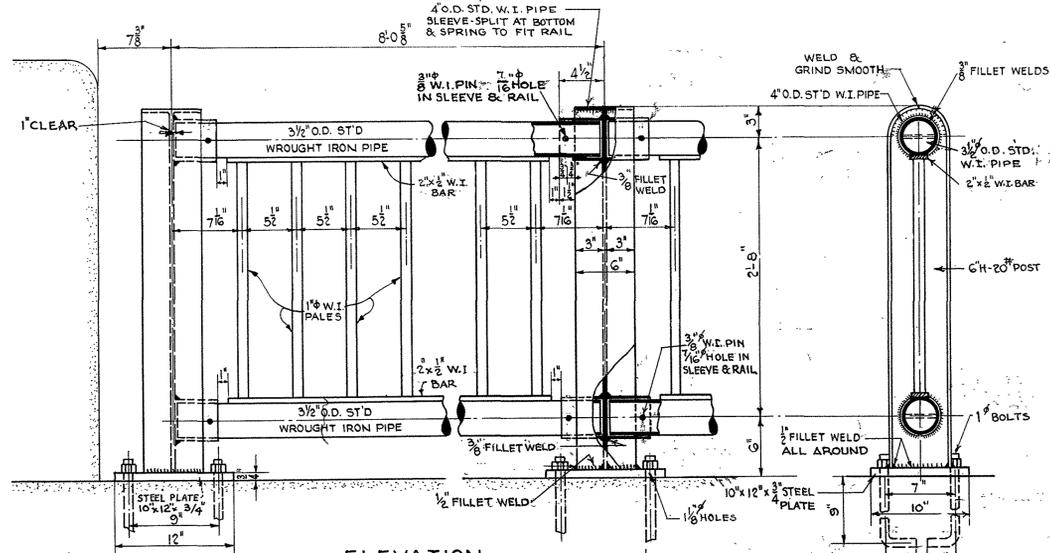
SECTION P2-P2
SCALE 1/4"=1'-0"



SECTION R-R
TYPICAL COLUMN SECTION
SCALE 1/4"=1'-0"

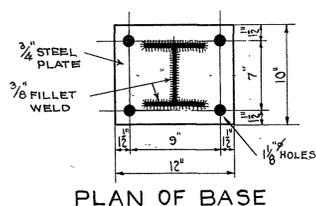


TYPICAL END ELEVATION
SCALE 1/4"=1'-0"

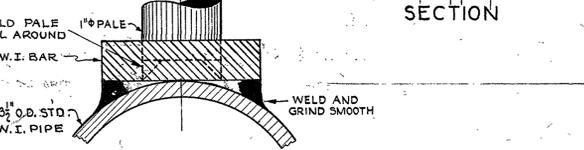


ELEVATION

SECTION



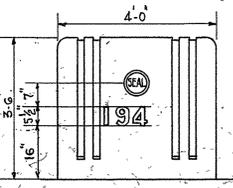
PLAN OF BASE



SECTION THRU
2x2" W.I. BAR & PIPE AT PALE
SCALE: FULL SIZE

NOTE: OMIT PIN AT ONE END OF EACH PANEL

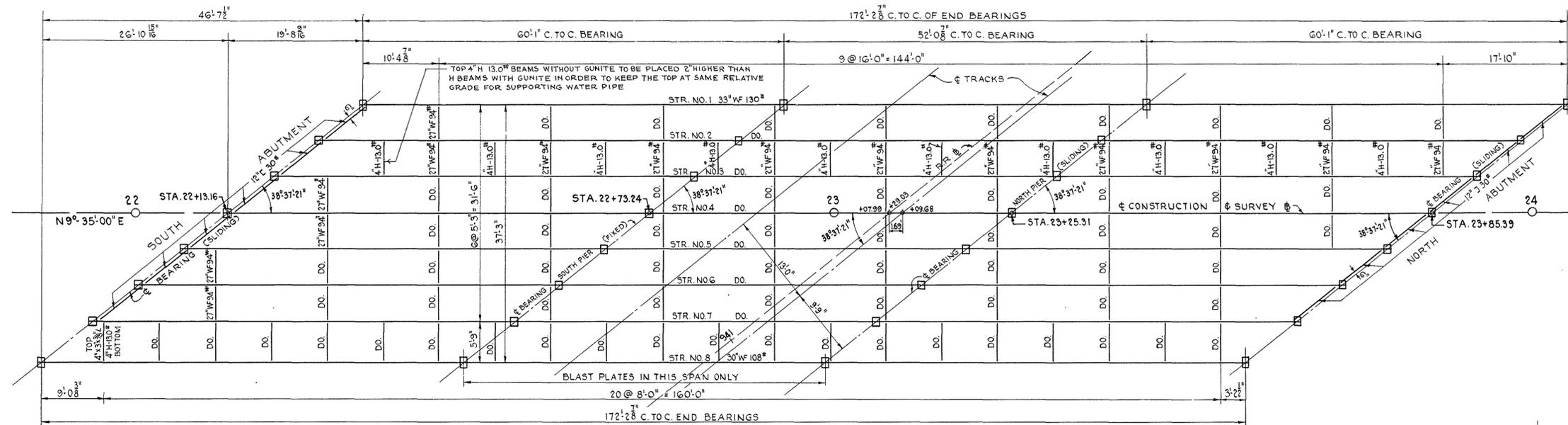
DETAILS OF METAL BRIDGE RAILING
SCALE: 1/2"=1'-0" UNLESS NOTED



LOCATION OF SEAL & DATE
ON END POSTS
SCALE 2"=1'-0"

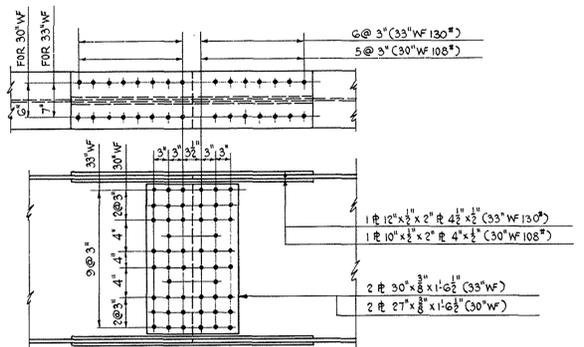
DATE	CONSTRUCTION	DESCRIPTION
12/24/40	CONSTRUCTION	
12/24/40	ADVERTISING	
DATE	DESCRIPTION	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	MASS.	S673(1)	194	10	31



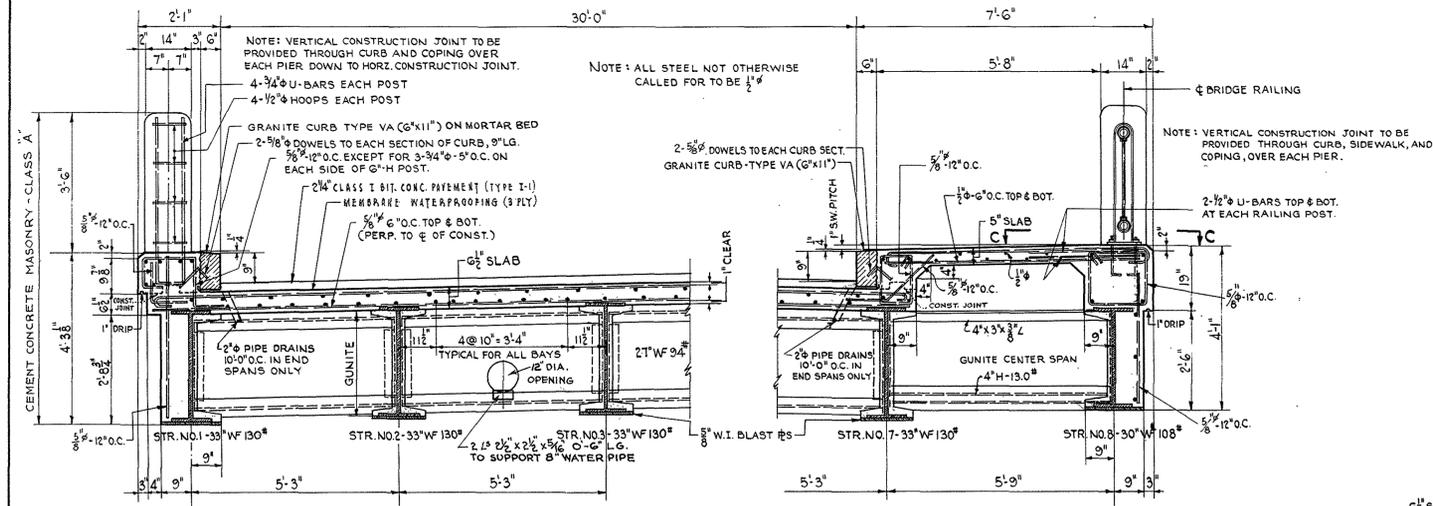
STEEL LAYOUT PLAN
SCALE 1/8" = 1'-0"

NOTE: RIVETS TO BE 3/8" - OPEN HOLES TO BE 15/16".
ALL STRINGERS TO BE CAMBERED TO CONFORM TO VERTICAL CURVE R=6000'.
DIAPHRAGMS OVER CENTER SPAN ONLY TO HAVE GUNITE COVERING.
COLOR COAT OF STEEL TO BE STRUCTURAL GREEN.



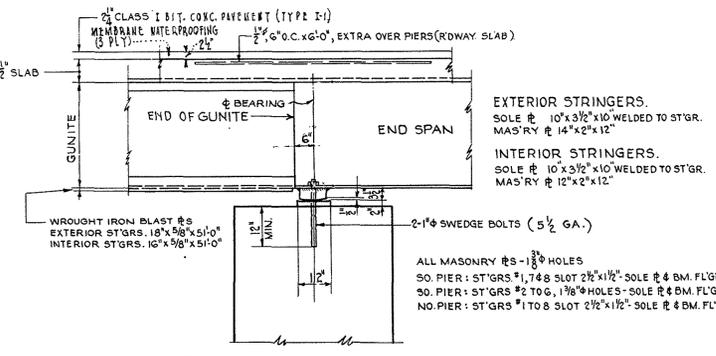
DETAIL OF STRINGER SPLICE
SCALE 3/4" = 1'-0"

ALL RIVETS 3/8"
ALL OPEN HOLES 15/16"
NOTE: LOCATE SPLICES WHERE CONVENIENT BUT NOT CLOSER THAN 6'-0" TO CENTER OF PIERS, NOT MORE THAN 2 SPLICES PER STRINGER.



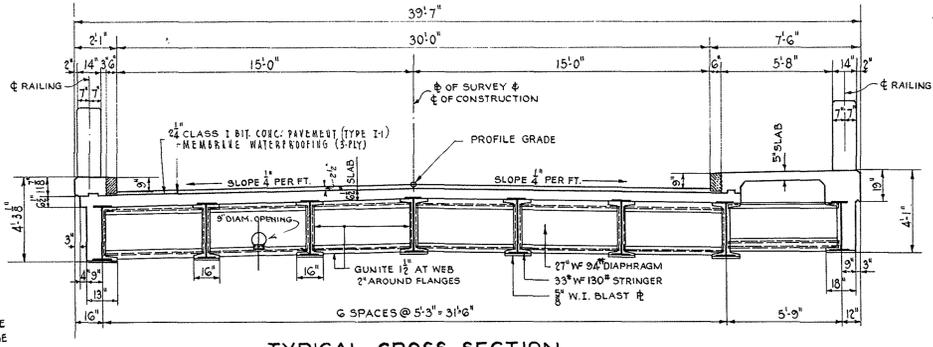
DETAIL OF SUPERSTRUCTURE
SCALE 1/2" = 1'-0"

NOTE: ALL INTERIOR STRINGERS AND ALL DIAPHRAGMS TO HAVE GUNITE COVERING. ALL STRINGERS TO HAVE W.I. BLAST PLATES (CENTER SPAN ONLY).

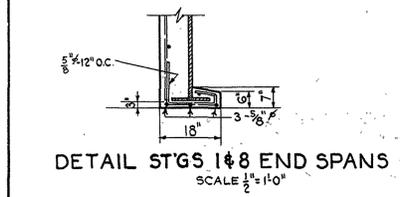


DETAIL OF PIER BEARINGS
SCALE 1/2" = 1'-0"

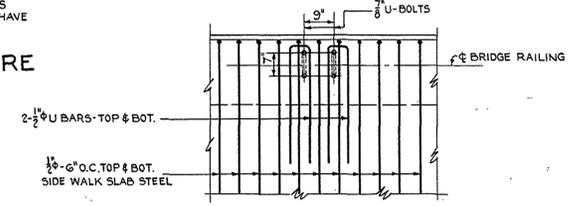
EXTERIOR STRINGERS.
SOLE # 10"x3/8"x10" WELDED TO ST'GR.
MAS'RY # 14"x2"x12"
INTERIOR STRINGERS.
SOLE # 10"x3/8"x10" WELDED TO ST'GR.
MAS'RY # 12"x2"x12"
ALL MASONRY # 5-13/16" HOLES
SO. PIER: ST'GRS # 1, 7/8" SLOT 2 1/2"x1 1/2". SOLE # & BM. FL'GE
NO. PIER: ST'GRS # 2 TO G., 1 1/8" HOLES - SOLE # & BM. FL'GE
NO. PIER: ST'GRS # 1 TO B. SLOT 2 1/2"x1 1/2". SOLE # & BM. FL'GE



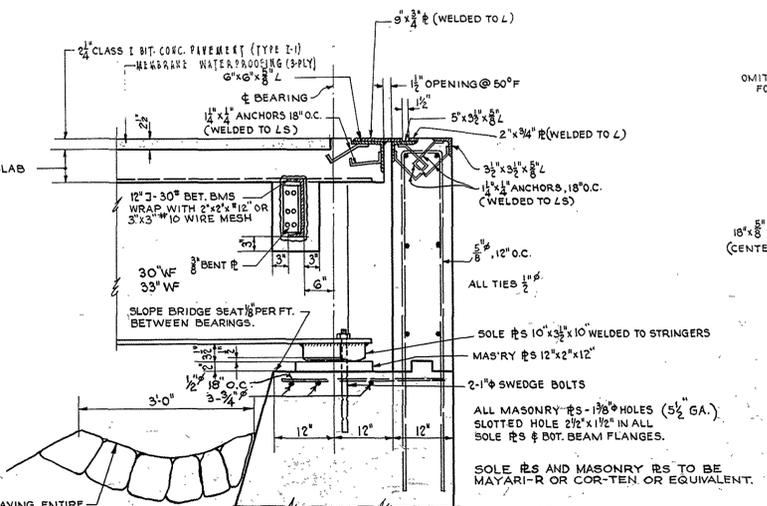
TYPICAL CROSS SECTION
SCALE 1/4" = 1'-0"



DETAIL STGS 1 & 8 END SPANS
SCALE 1/2" = 1'-0"

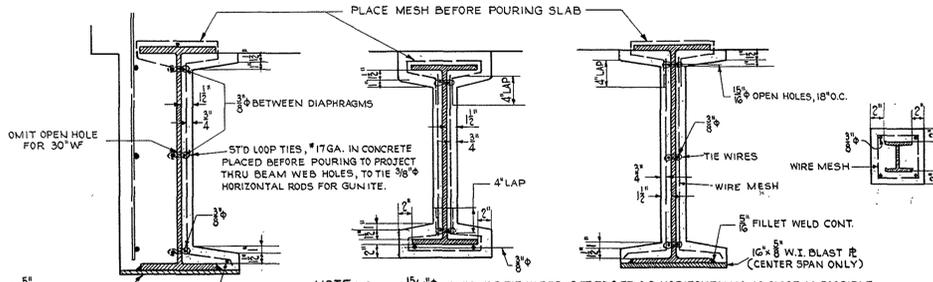


SECTION C-C
TYPICAL AT EACH RAILING POST
SCALE 1/2" = 1'-0"



DETAIL OF ABUTMENT BEARINGS
SCALE 3/4" = 1'-0"

COBBLE STONE PAVING ENTIRE LENGTH OF BRIDGE SEAT WITH GUTTER OF SAME CROSS SECTION LEADING DOWN TO R.R. DITCH.

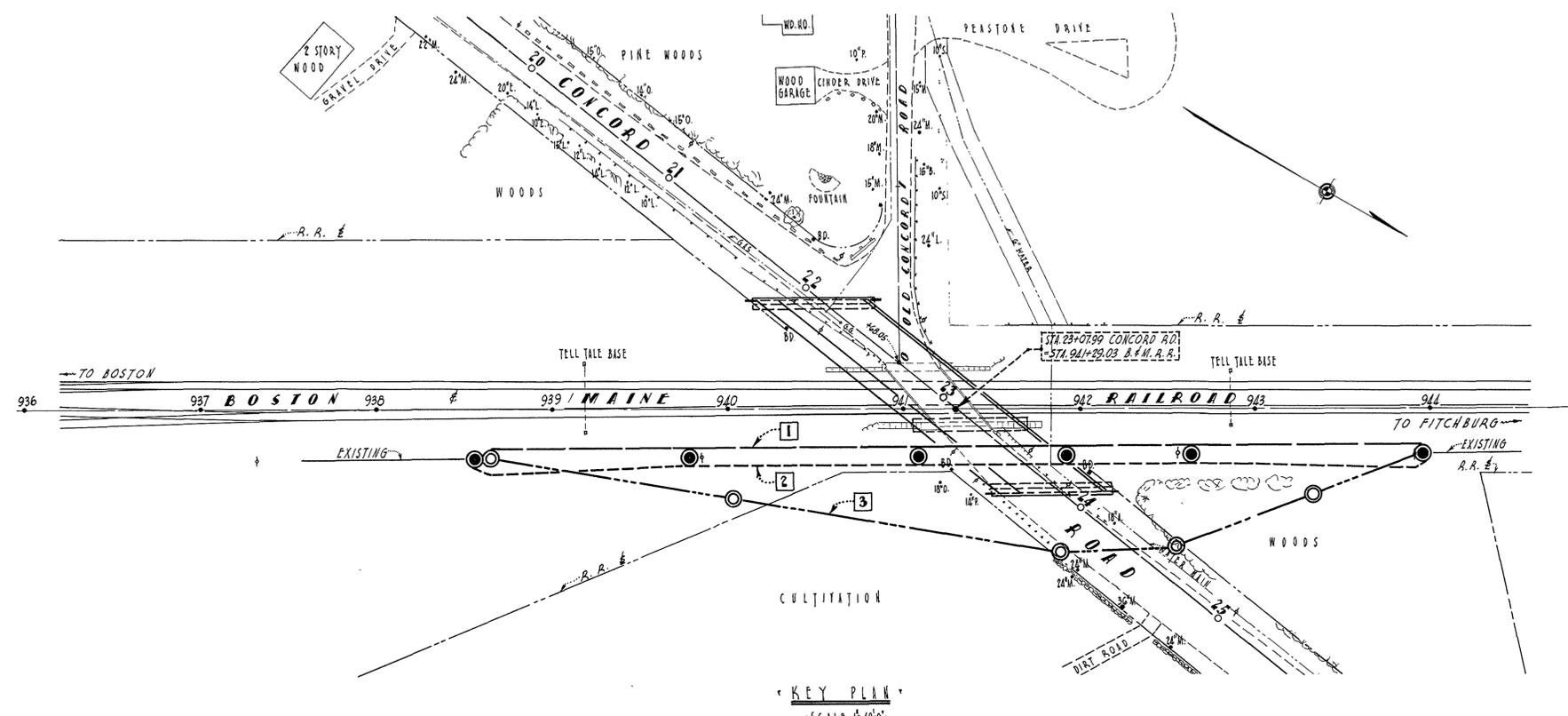


DETAILS OF GUNITE PROTECTION
SCALE 1" = 1'-0"

NOTE: PUNCH 15/16" HOLES FOR TIE WIRES, 2 FT. TO 3 FT. O.C. HORIZONTALLY, AS CLOSE AS POSSIBLE TO TOP & BOTTOM FLANGES. GUNITE MESH - EITHER 2"x2", #12 WIRE, OR 3"x3", #10 WIRE.

DATE	DESCRIPTION
12/24/49	CONSTRUCTION
12/24/49	ADVERTISING
DATE	DESCRIPTION
USE ONLY PRINTS OF LATEST DATE	

PUB. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	MASS.	56730		11	31



KEY PLAN
SCALE 1"=40'-0"

WIRE CHANGES	
POLES	● PERMANENT AND FINAL CHANGES.
	○ TO REMAIN, OR GO IN, TEMPORARILY.
WIRE	1 TO COME OUT
	2 PERMANENT
	3 TEMPORARY

12-550 V. OPEN LINE
1-16C*14 (3 TWISTED PLIR)

THE WIRE CHANGES ARE TO BE MADE BY THE RAILROAD COMPANY

12/24/29	CONSTRUCTION
12/24/29	ADVERTISING
DATE	DESCRIPTION
USE ONLY PRINTS OF LATEST DATE	