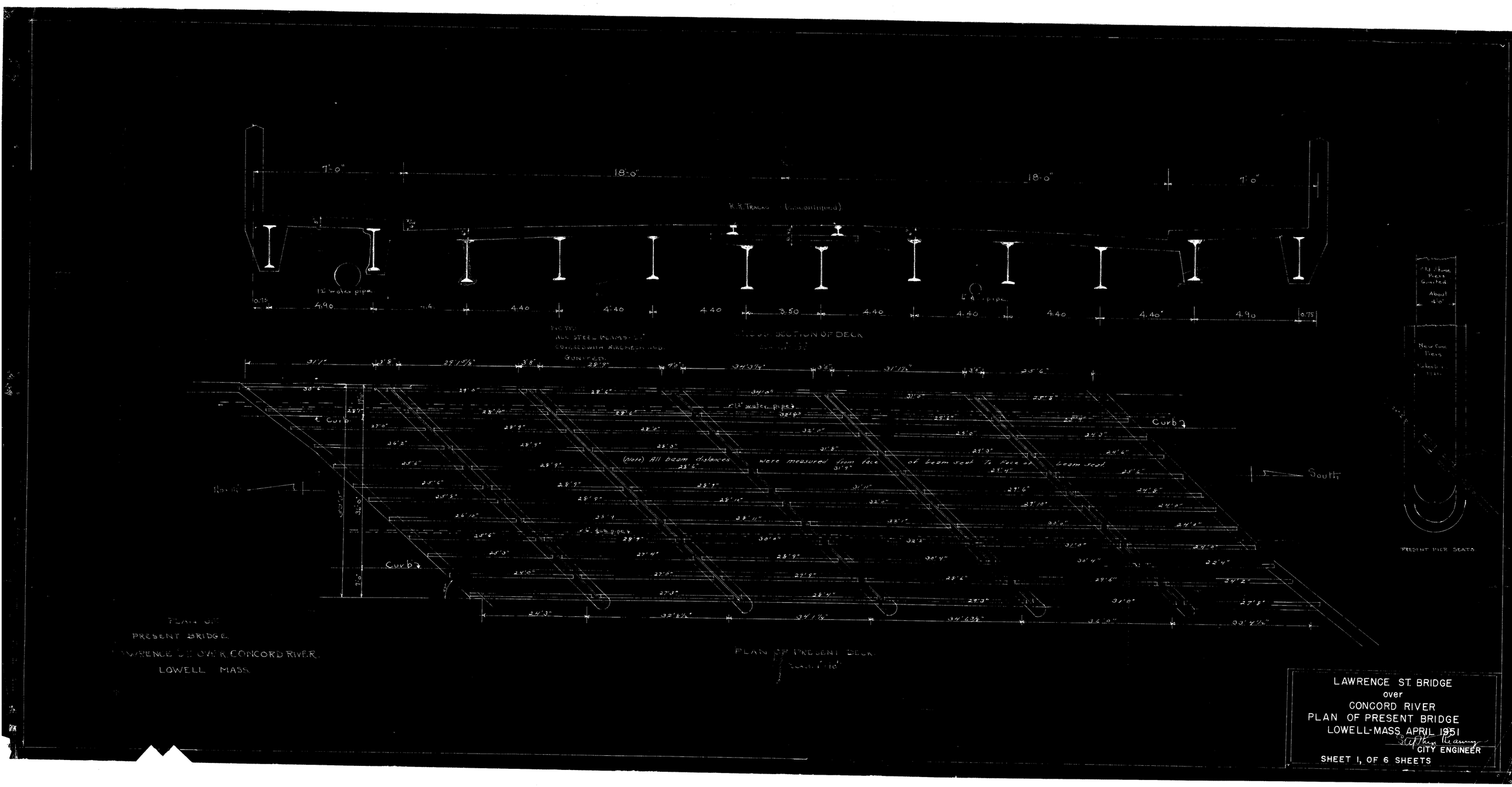
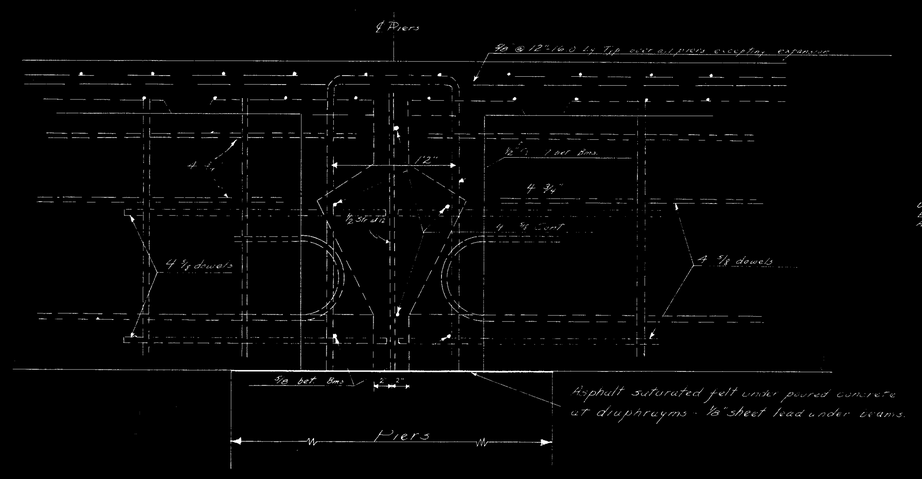


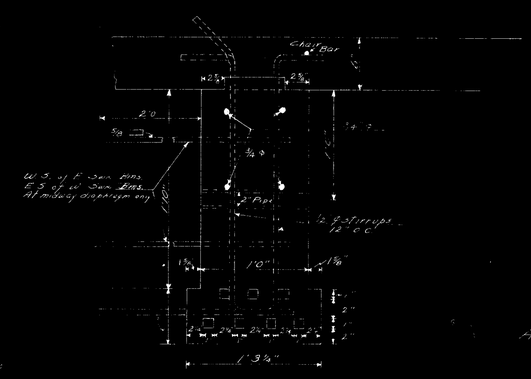
LAWRENCE ST. BRIDGE
over
CONCORD RIVER
PLAN OF PRESENT BRIDGE
LOWELL-MASS APRIL 1951
Stephen Reaney
CITY ENGINEER
SHEET 1, OF 6 SHEETS



Scale 1½" = 1'0"

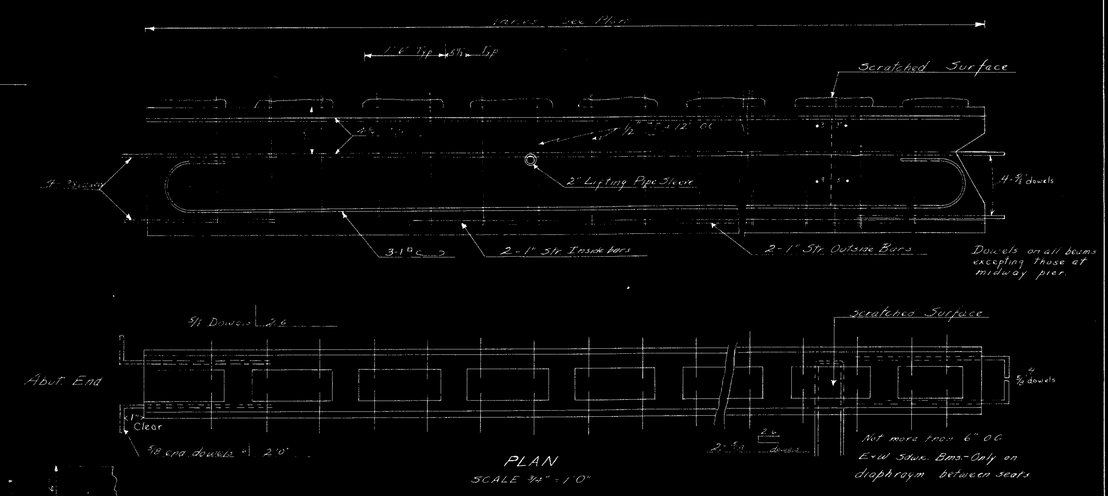
5/8" NEGATIVE STEEL 16' LONG 12" O.C. OVER KEYED PIERS

SYM. ABOUT ℄ OF PIERS



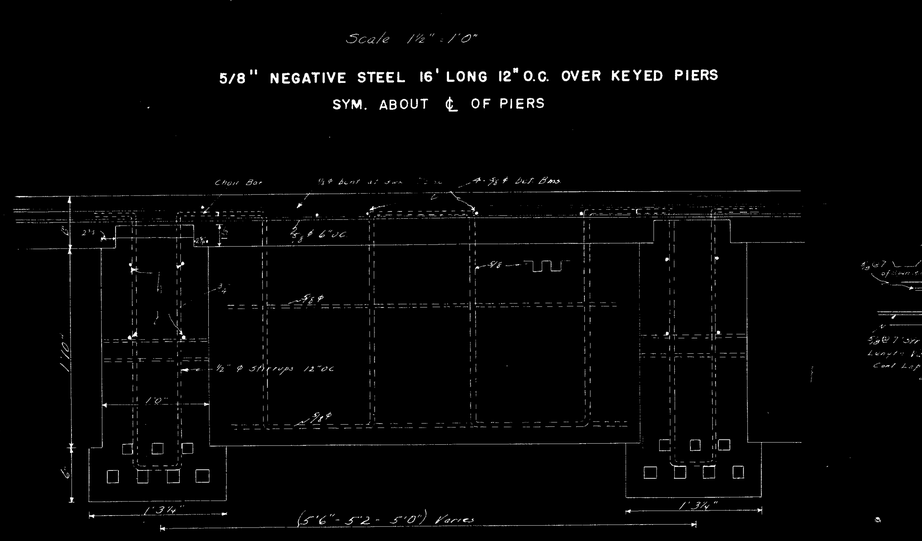
TYP SECT PRECAST BEAMS

SCALE 1½" = 1'0"

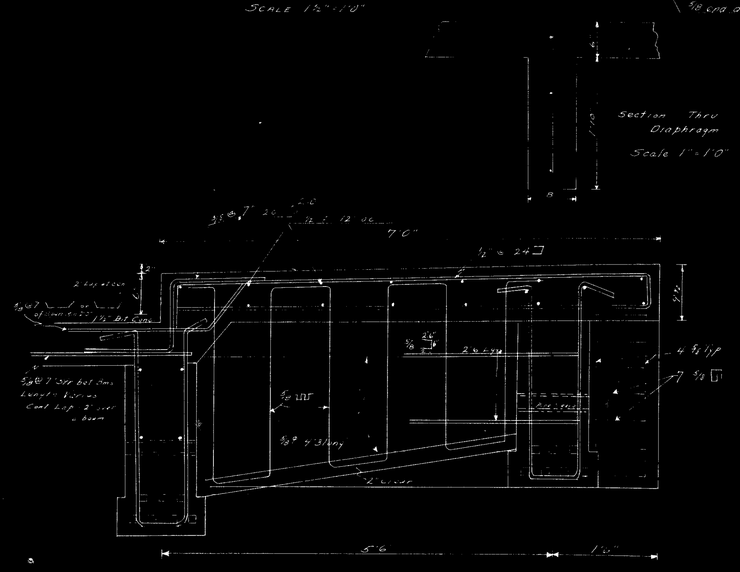


PLAN

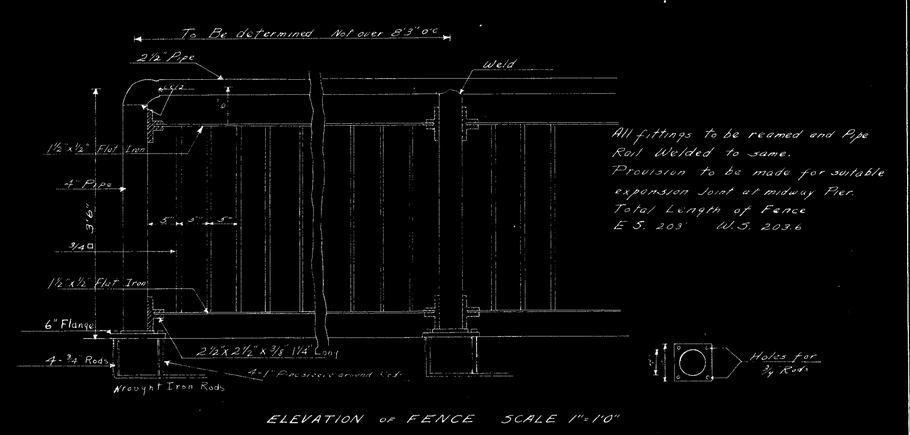
SCALE ¾" = 1'0"



Section Thru Beam — ELEVATION of DIAPHRAGM SCALE 1½" = 1'0" — Section Thru Beam



SECTION THRU SIDEWALK SCALE 1" = 1'0"



ELEVATION of FENCE SCALE 1" = 1'0"

ALL REINFORCING TO BE OF DEFORMED BARS

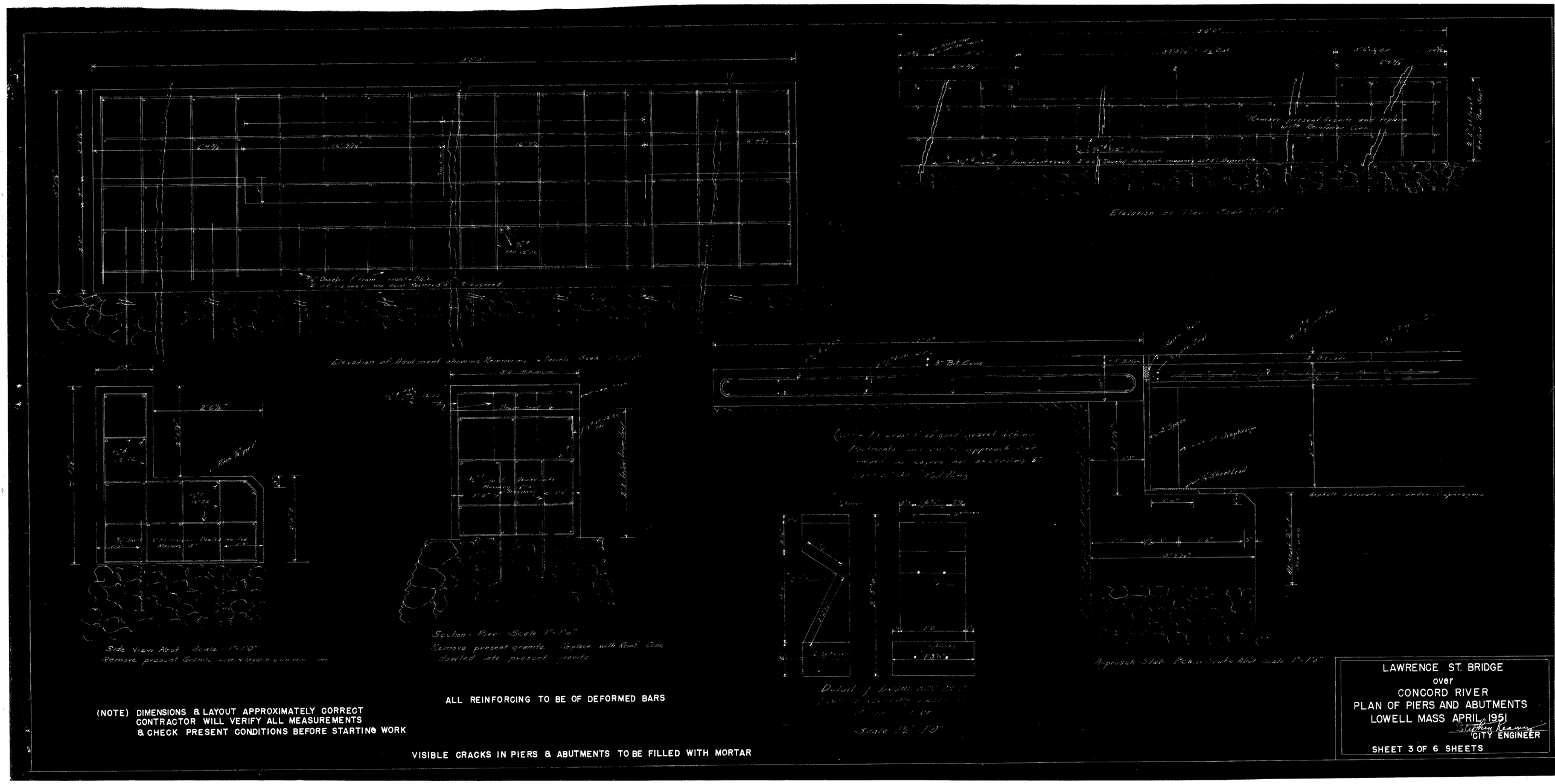
SLAB LATERAL RODS TO BE PLACED TO RUN PARALLEL TO ABUTMENTS

(NOTE) DIMENSIONS & LAYOUT APPROXIMATELY CORRECT
CONTRACTOR WILL VERIFY ALL MEASUREMENTS
& CHECK PRESENT CONDITIONS BEFORE STARTING WORK

LAWRENCE ST. BRIDGE
over
CONCORD RIVER
FENCE & DIAPHRAGM DETAIL
LOWELL, MASS. APRIL 1951

Stephen Kearney
CITY ENGINEER

SHEET 2 OF 6 SHEETS



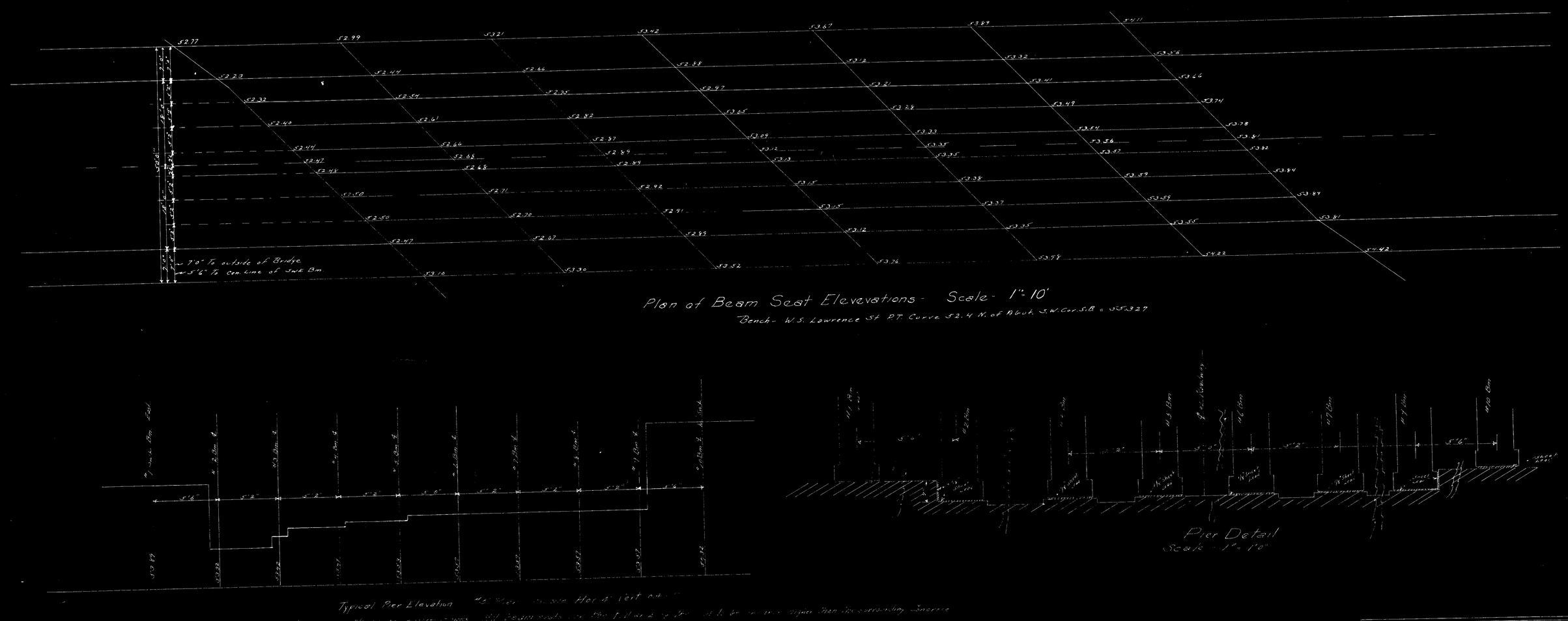
(NOTE) DIMENSIONS & LAYOUT APPROXIMATELY CORRECT
CONTRACTOR WILL VERIFY ALL MEASUREMENTS
& CHECK PRESENT CONDITIONS BEFORE STARTING WORK

ALL REINFORCING TO BE OF DEFORMED BARS

VISIBLE CRACKS IN PIERS & ABUTMENTS TO BE FILLED WITH MORTAR

LAWRENCE ST. BRIDGE
over
CONCORD RIVER
PLAN OF PIERS AND ABUTMENTS
LOWELL MASS APRIL 1951
Stephen Deaver
CITY ENGINEER

SHEET 3 OF 6 SHEETS



Plan of Beam Seat Elevevations - Scale - 1" = 10'

Bench - W.S. Lawrence St. P.T. Curve 52.4 N. of Abut. S.W. Cor. S.B. = 55.327

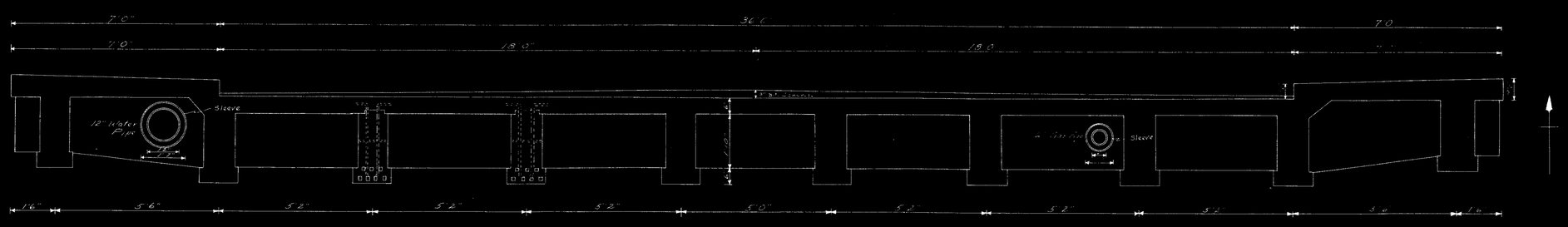
Typical Pier Elevation

Pier Detail
Scale - 1" = 1'0"

LAWRENCE ST. BRIDGE
over
CONCORD RIVER
PLAN OF BEAM PLACEMENT ELEV.
LOWELL MASS APRIL 1951

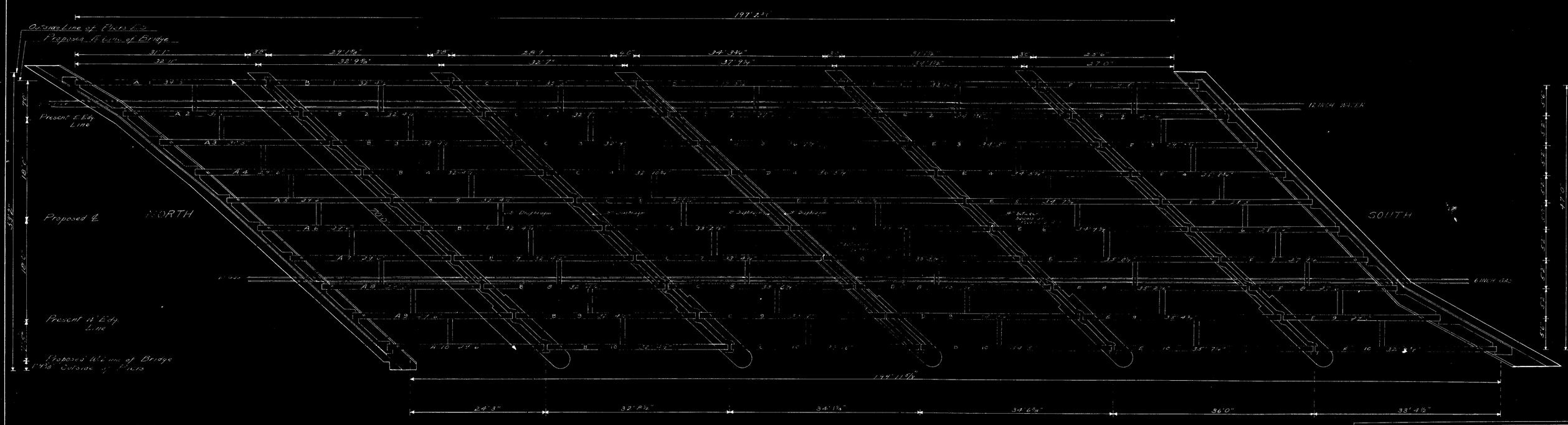
CITY ENGINEER

SHEET 4 OF 6 SHEETS



Section Thru Roadway and Sidewalk
Scale ½" = 1'0"

(NOTE) Pipes to have proper sleeves



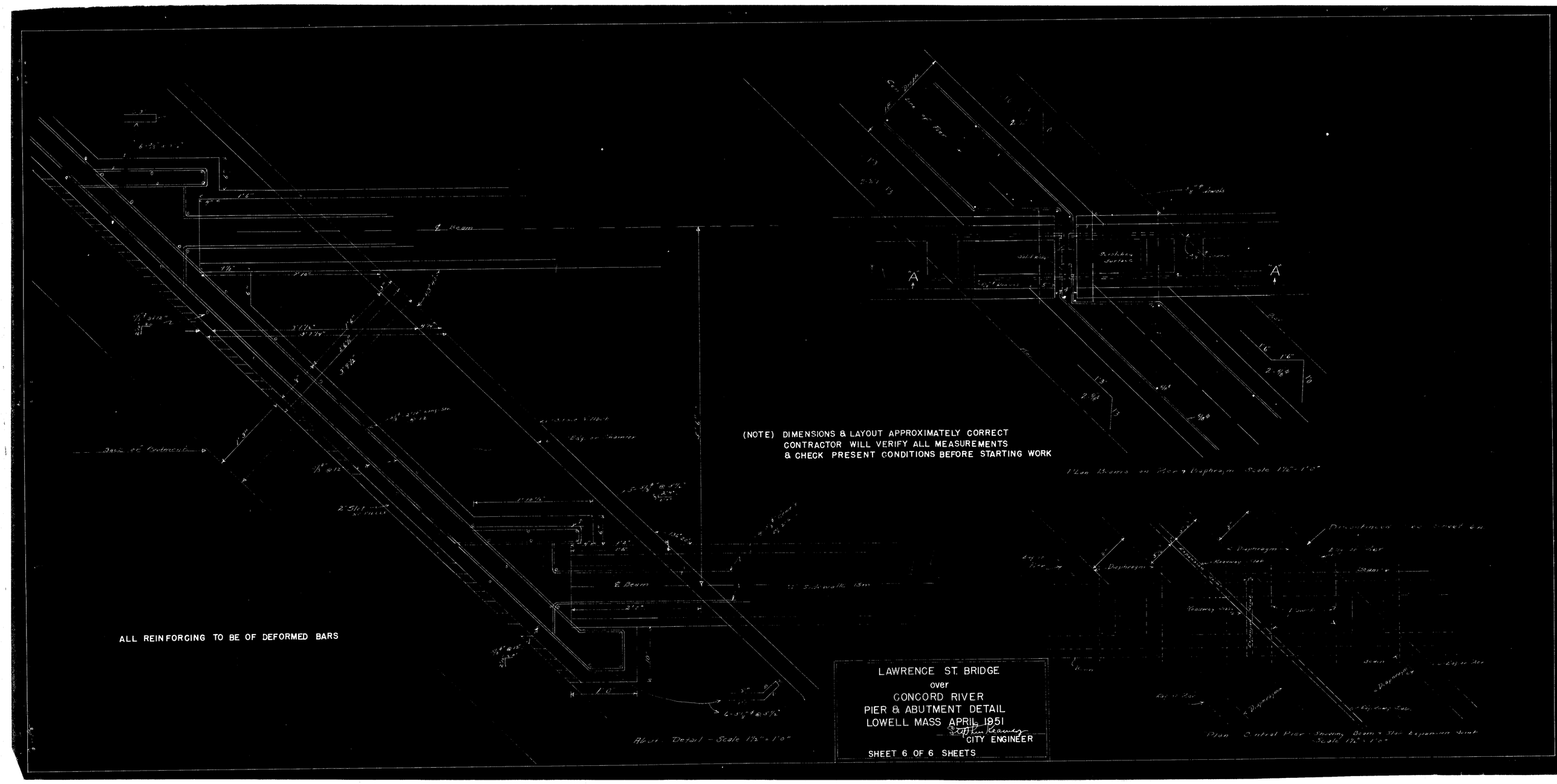
NOTE

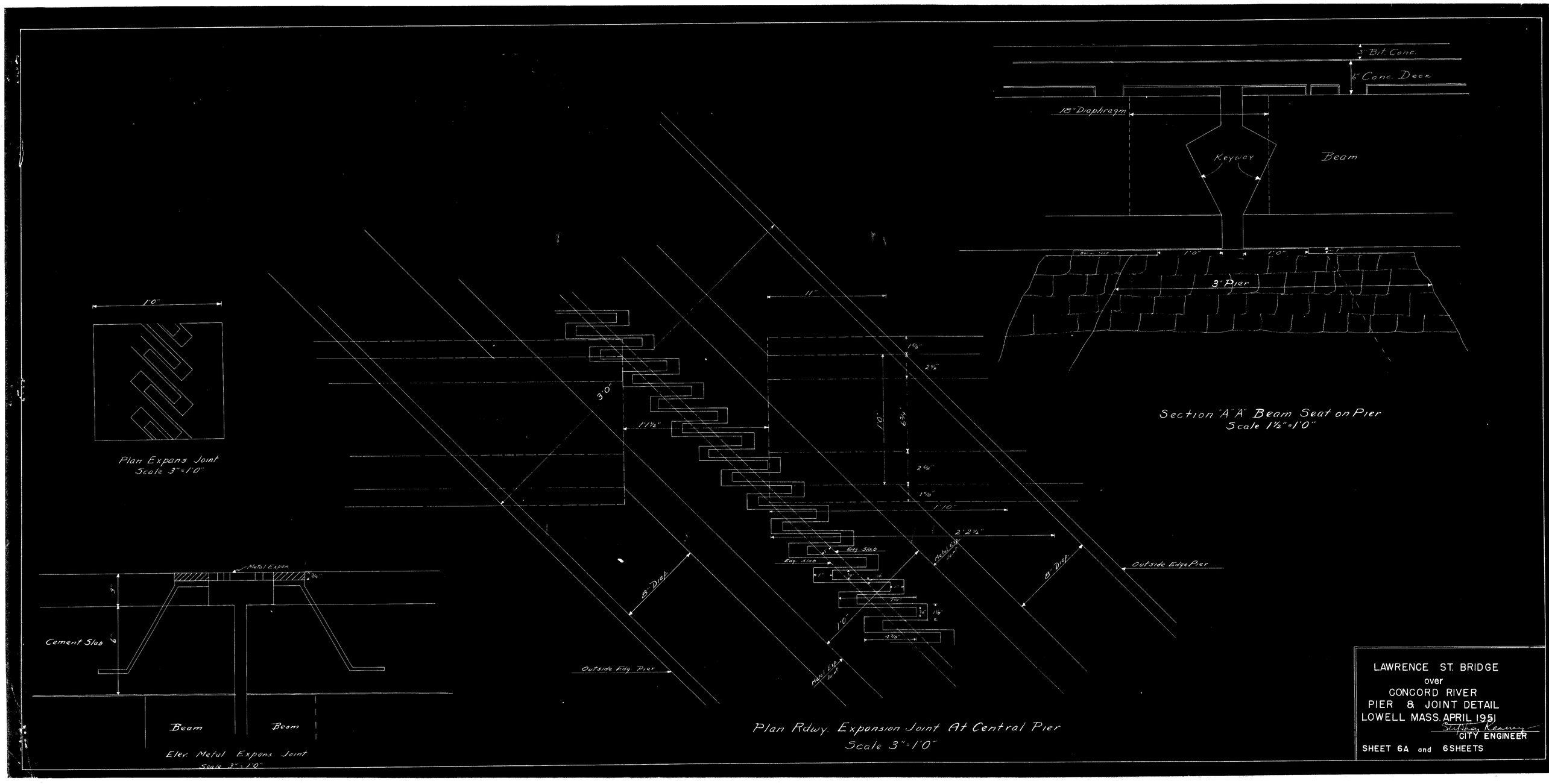
Dimensions and layout approximate, correct. Contractor will verify all dimensions and present conditions before starting work.

Beam Placement Plan
Scale 1/8" = 1'0"

LAWRENCE ST. BRIDGE
over
CONCORD RIVER
PLAN OF BEAM PLACEMENT
LOWELL MASS APRIL 1951
Stephen Thames
CITY ENGINEER

SHEET 5 OF 6 SHEETS


(NOTE) DIMENSIONS & LAYOUT APPROXIMATELY CORRECT
CONTRACTOR WILL VERIFY ALL MEASUREMENTS
& CHECK PRESENT CONDITIONS BEFORE STARTING WORK
ALL REINFORCING TO BE OF DEFORMED BARS
LAWRENCE ST. BRIDGE
over
CONCORD RIVER
PIER & ABUTMENT DETAIL
LOWELL MASS APRIL 1951
CITY ENGINEER
SHEET 6 OF 6 SHEETS



LAWRENCE ST. BRIDGE
over
CONCORD RIVER
PIER & JOINT DETAIL
LOWELL MASS. APRIL 1951
Stephen Kearney
CITY ENGINEER
SHEET 6A and 6 SHEETS