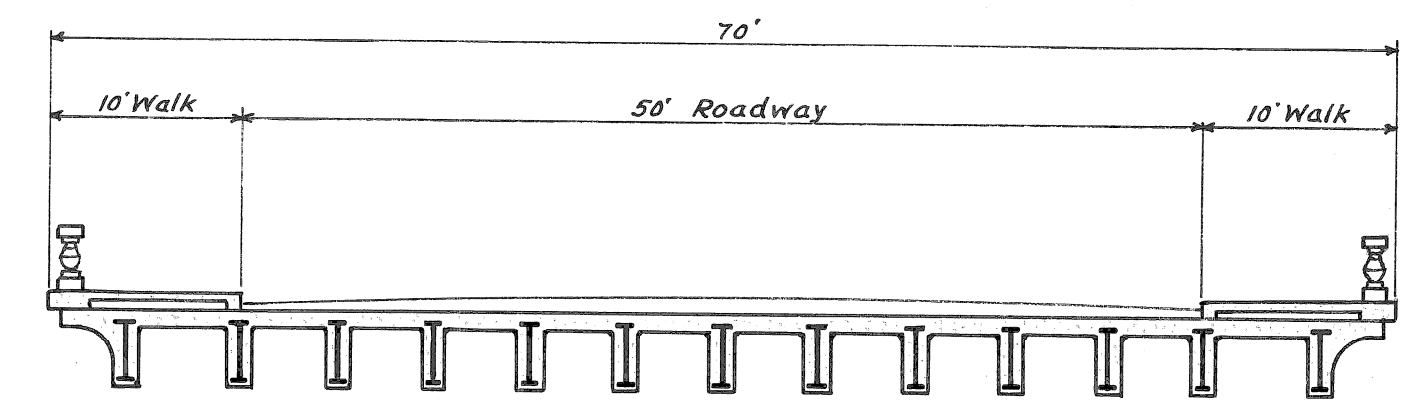
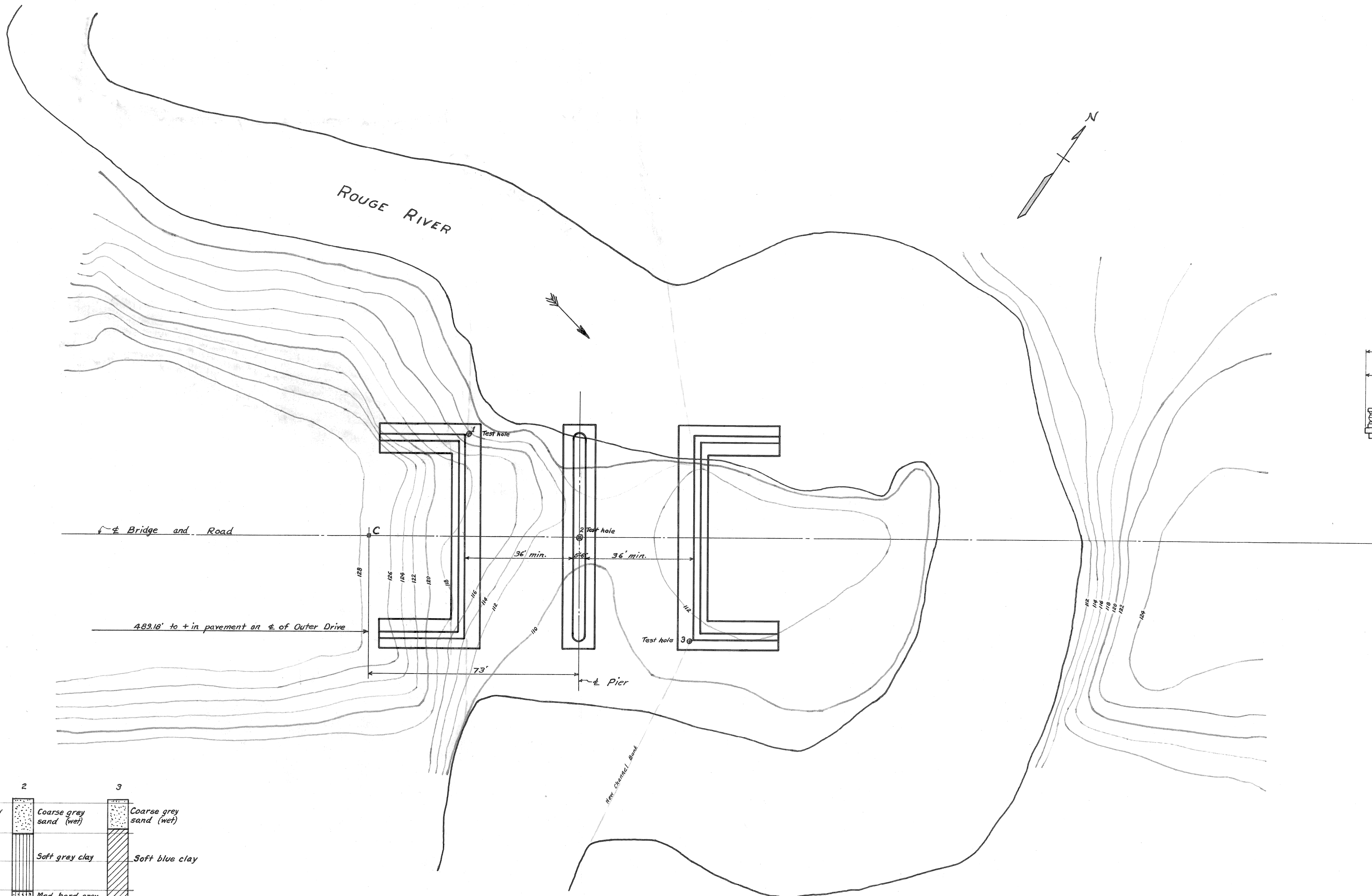


1-13.10 4-3-34



DECK CROSS-SECTION
Scale: 1"=10'

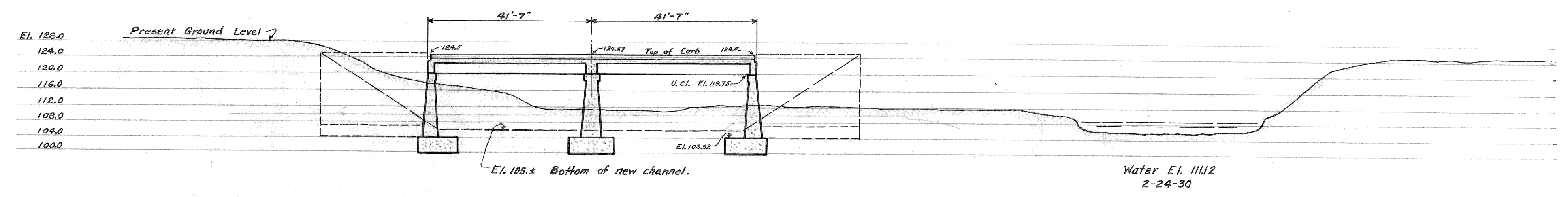
- LIST OF DRAWINGS
 Sheet No. 1 GENERAL PLAN.
 " " 2 PILING & STRUT DETAILS.
 " " 3 SUBSTRUCTURE DETAILS.
 " " 4 DECK DETAILS.
 " " 5 HANDRAILING DETAILS.

Test Hole 1	2	3
El. 110	Soft blue clay and sand.	Coarse grey sand (wet)
105	Medium hard blue clay	Soft grey clay
100	Hard blue clay	Med. hard grey clay and sand
95	Hard blue clay and sand	Hard grey clay and pebbles
90	Hard blue clay	Hardpan (dry)
85	Med. hard blue clay	Hardpan (dry)
80	Hardpan (dry)	Blue limestone (dry)
75		

Note: All the above sections are moist, except as noted.

RECORD OF TEST BORINGS

PLAN
Scale: 1"=20'

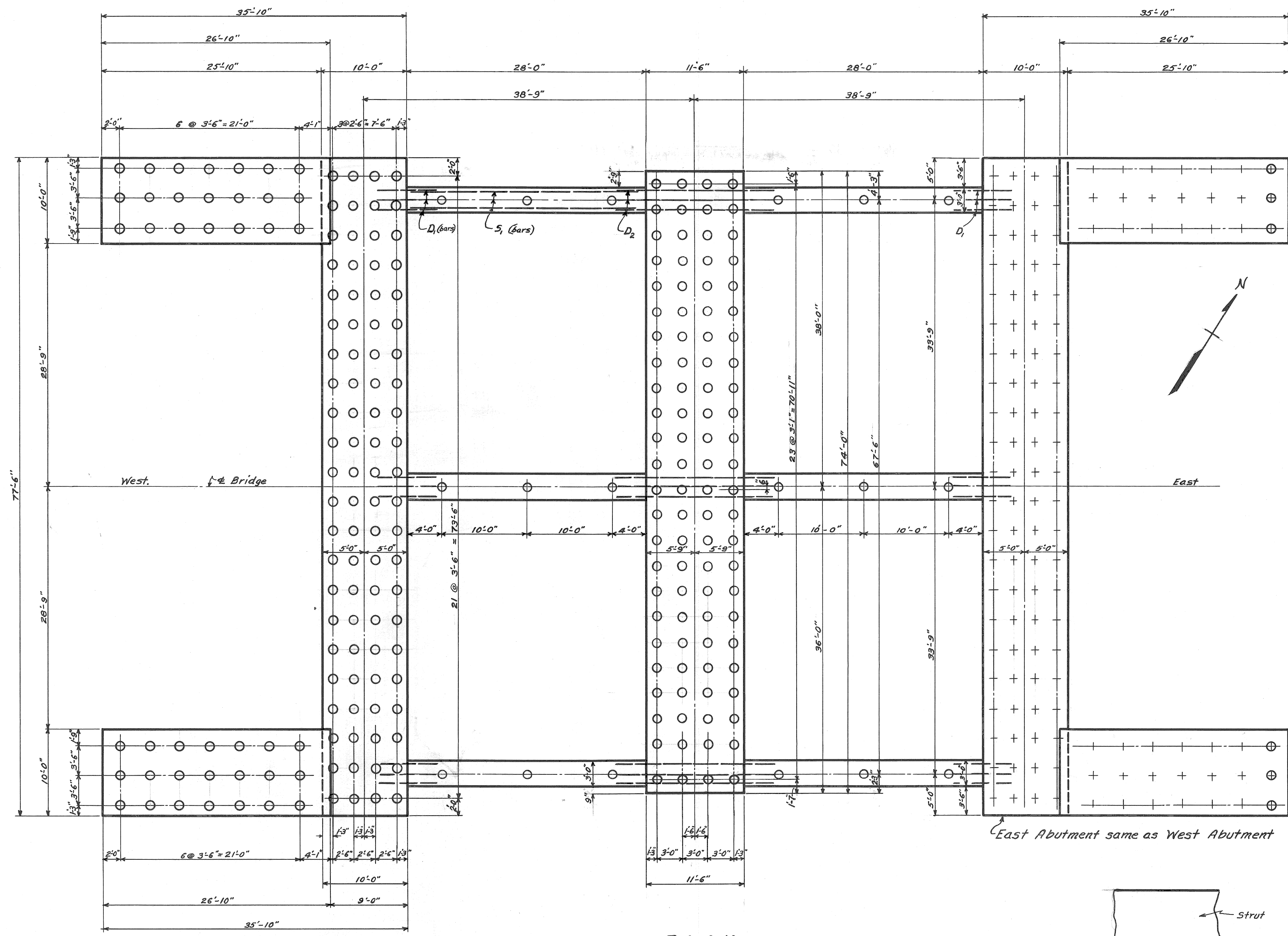


PROFILE ON C OF BRIDGE
Scale: 1"=20'

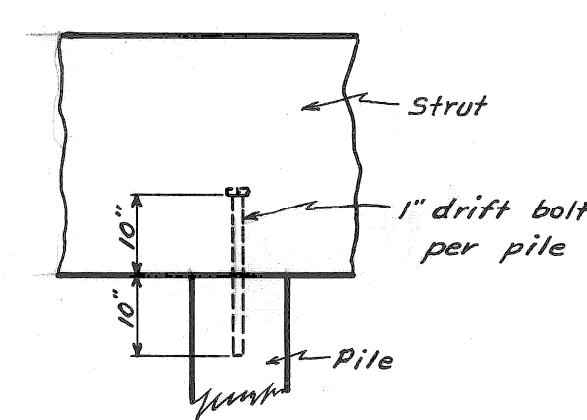
Approved: *Harry A. Freeman*
 City Engineer
W. B. Bush
 Commissioner of Parks and Blvds.

CITY OF DETROIT
 DEPARTMENT OF PARKS & BOULEVARDS
 OFFICE OF CITY ENGINEER
 BRIDGE OVER RIVER ROUGE
 (SOUTH OF PLYMOUTH ROAD)
 RIVER ROUGE PARK
 GENERAL PLAN
 SCALE: AS SHOWN
 DESIGNED BY - J.T.K.
 DRAWN BY - J.T.K.
 CHECKED BY - R.S. G. 3-3-30.
 Apr. 23, 1930.
 Sheet No. 1
 Field Book # 799

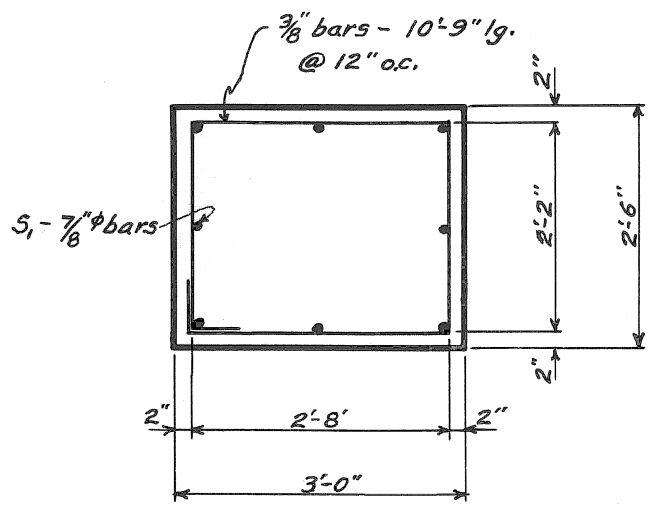
File RW 270-1-1



PLAN



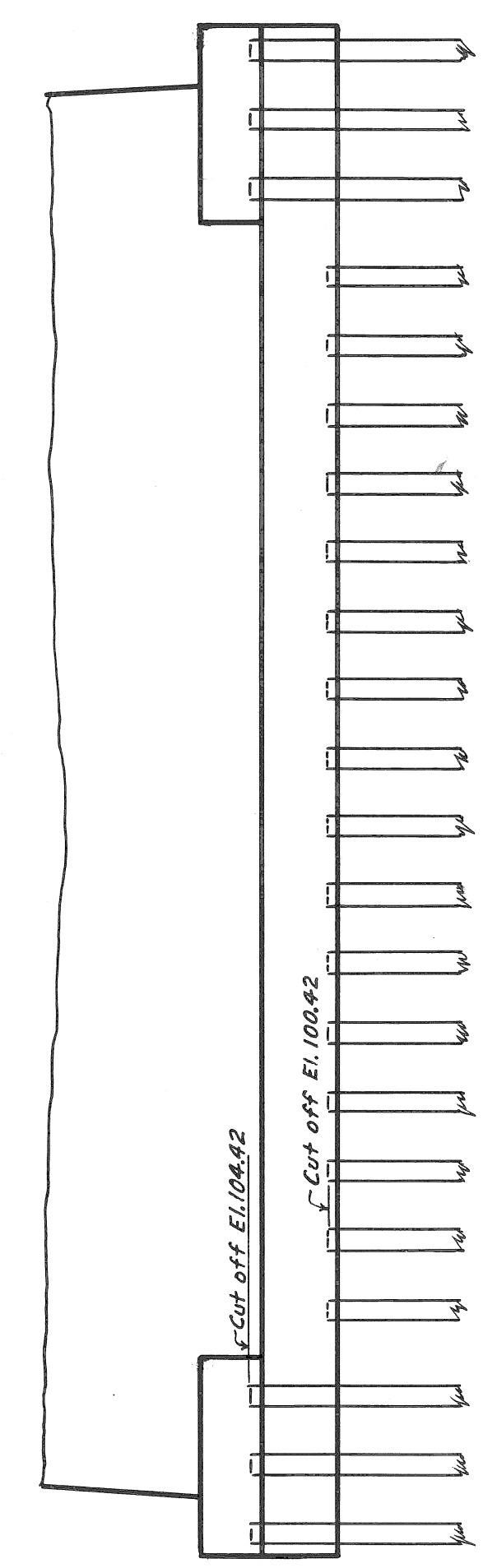
PILE CONNECTION FOR STRUT
Scale: 1/2"=1'-0"



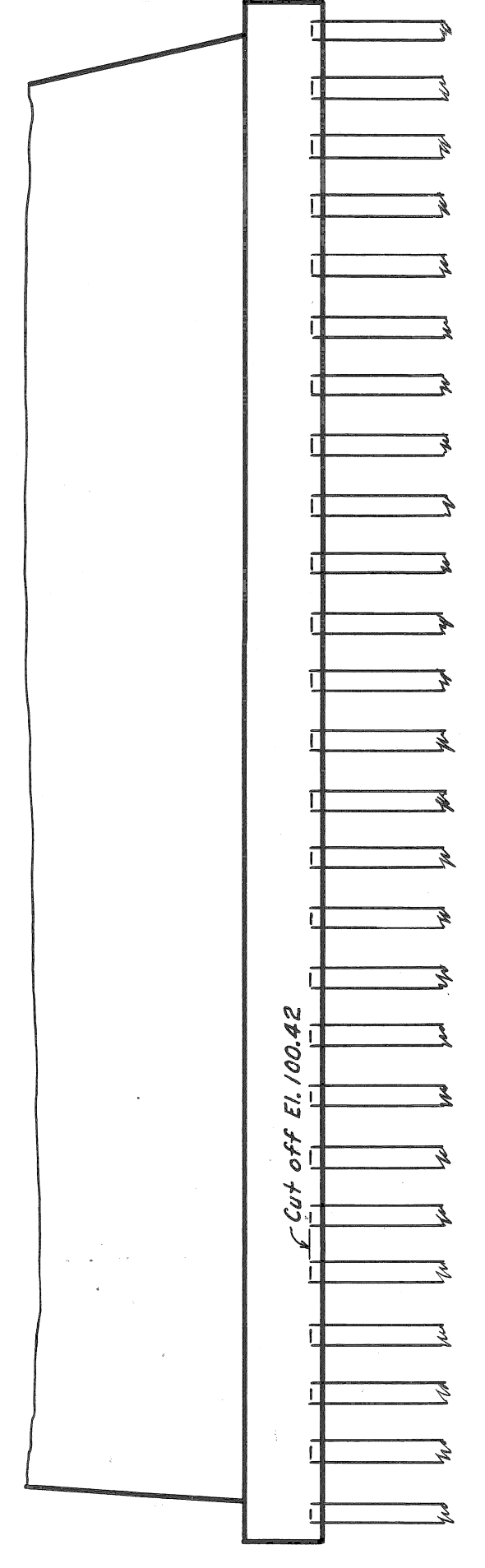
STRUT CROSS-SECTION
Scale: 1/2"=1'-0"

STRUTS - BAR LIST
 "D" 24-7/8" bars @ 18'-0" lg. dowels.
 "S" 48-7/8" bars @ 27'-9" lg. lengthwise.
 "D" 48-7/8" bars @ 7'-0" lg. dowels.
 168-3/8" bars @ 10'-9" lg. ties.
STRUTS - QUANTITIES
 Reinforcing Steel - 5000 lbs.
 Concrete - 46.7 cu.yds.
 Drift Bolts (sq. head) - 18. - 1" @ 20" lg.
 Piles - see general notes.

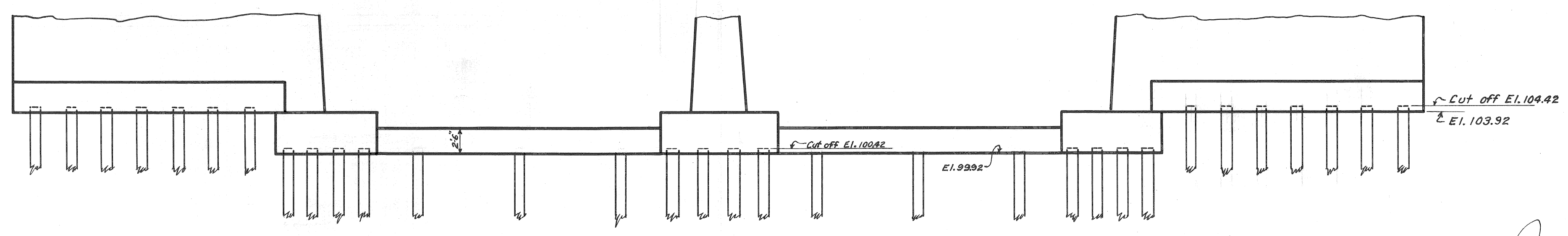
GENERAL NOTES
 Total number of piles - 374.
 All piles driven with a steam hammer.
 Length of piles to be determined by test piles, which shall develop a bearing capacity of 20 tons each, according to the following formula: $P = \frac{wh}{s}$
 P = safe bearing capacity in pounds.
 w = weight of steam hammer in pounds.
 h = drop of hammer in feet.
 s = average penetration per blow in inches under last blow.
 All piles to be cut off at elevation shown. Allow 2 feet for cut off.
 Cofferdams to be constructed of steel or Wakefield sheeting, and must be watertight.



ELEVATION ABUTMENT FOOTING



ELEVATION PIER FOOTING



Approved: *Perrus A. Pelloni*
 City Engineer
W. B. Bush
 Commissioner of Parks and Blvds.

CITY OF DETROIT
 DEPARTMENT OF PARKS & BOULEVARDS
 OFFICE OF CITY ENGINEER
 BRIDGE OVER RIVER ROUGE
 (SOUTH OF PLYMOUTH ROAD)
 RIVER ROUGE PARK
PILING & STRUT DETAILS
 SCALE: 1/8"=1'-0", 1/4"=1'-0"
 DESIGNED BY - G.T.W.
 DRAWN BY - J.T.W.
 CHECKED BY - R.J.G.-30
 APRIL 29, 1930.
 Sheet No.2