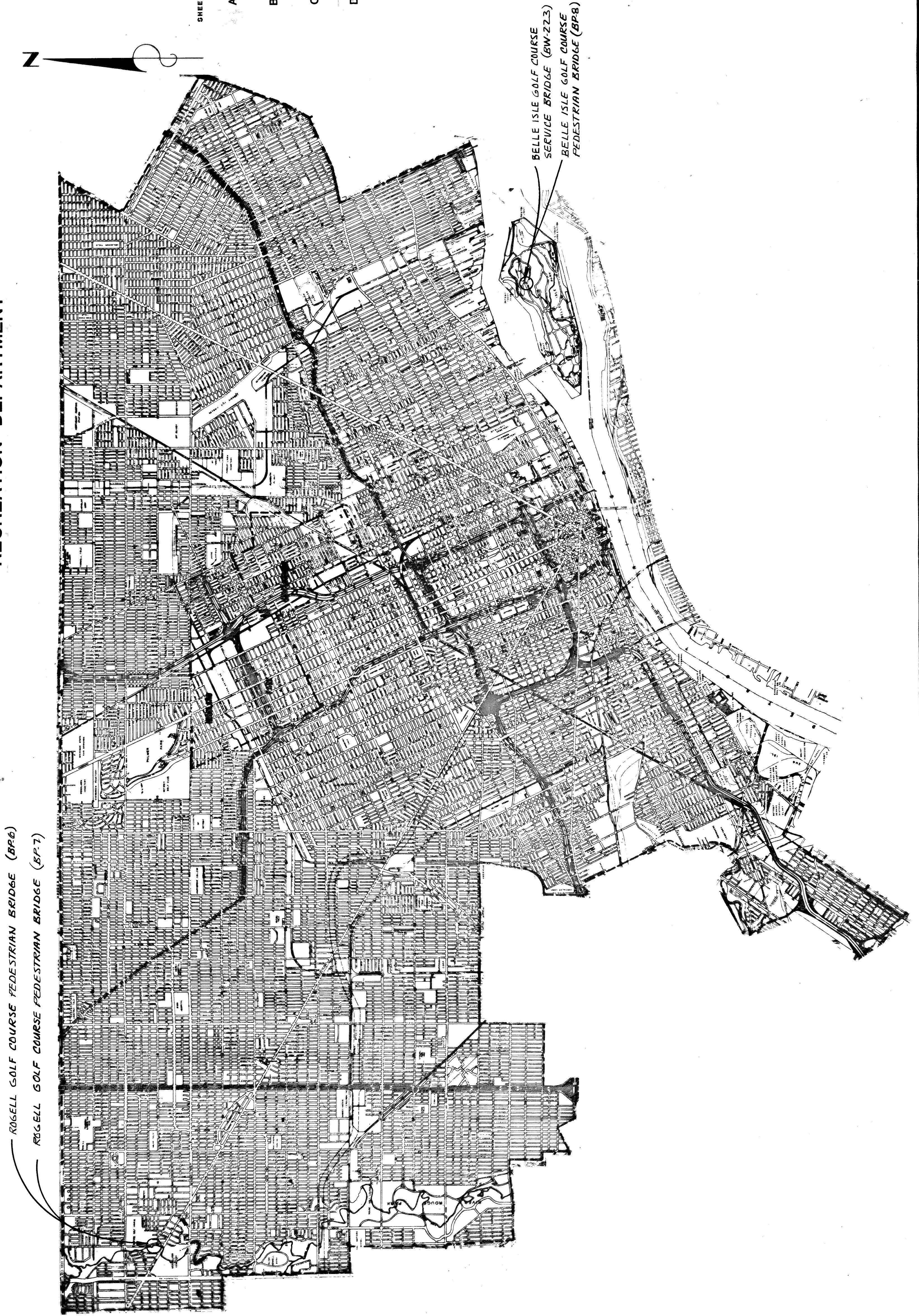


CITY OF DETROIT  
 COLEMAN A. YOUNG — MAYOR  
 CITY ENGINEERING DEPARTMENT

PLANS FOR PROPOSED  
 BRIDGE REPAIR  
 FOR  
 RECREATION DEPARTMENT



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
A-1	BELLE ISLE GOLF COURSE SERVICE BRIDGE (BW 223) Railing replacement
B-1	BELLE ISLE GOLF COURSE PEDESTRIAN BRIDGE (BP8) Slab replacement
C-1	ROGELL GOLF COURSE PEDESTRIAN BRIDGE (BP6) Deck replacement
D-1	ROGELL GOLF COURSE PEDESTRIAN BRIDGE (BP7) Deck replacement

<b>PROJECT:</b> BRIDGE REPAIR ON BELLE ISLE AND ROGELL MUNICIPAL GOLF COURSE IN DETROIT	<b>CONTRACT NO.</b>
<b>PLANS PREPARED BY</b> CITY ENGINEERING DEPARTMENT	
RECOMMENDED FOR APPROVAL STRUCTURAL ENGINEER <i>M. J. [Signature]</i>	7-10-91 DATE
RECOMMENDED FOR APPROVAL ENGINEER OF INSPECTION <i>[Signature]</i>	7-10-91 DATE
APPROVED DEPUTY DIRECTOR <i>[Signature]</i>	7-10-91 DATE
APPROVED DIRECTOR <i>[Signature]</i>	7-10-91 DATE
DATE	DRWG. NO.



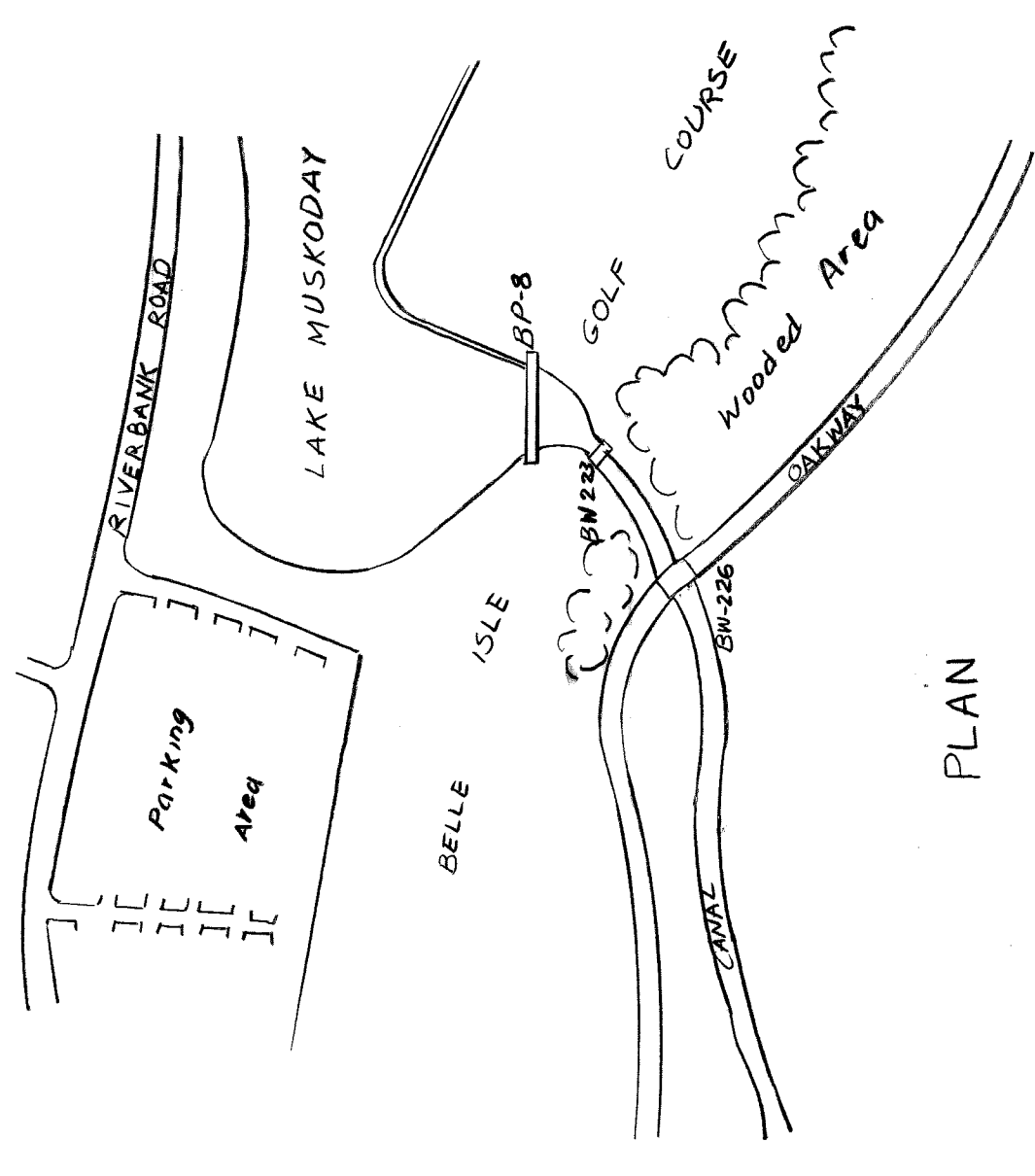
no.	description	date

designed by M.S.  
 drawn by H.L.S.  
 checked by  
 approved: M.C.A.

**CITY OF DETROIT**  
 city engineering department  
 for RECREATION DEPARTMENT

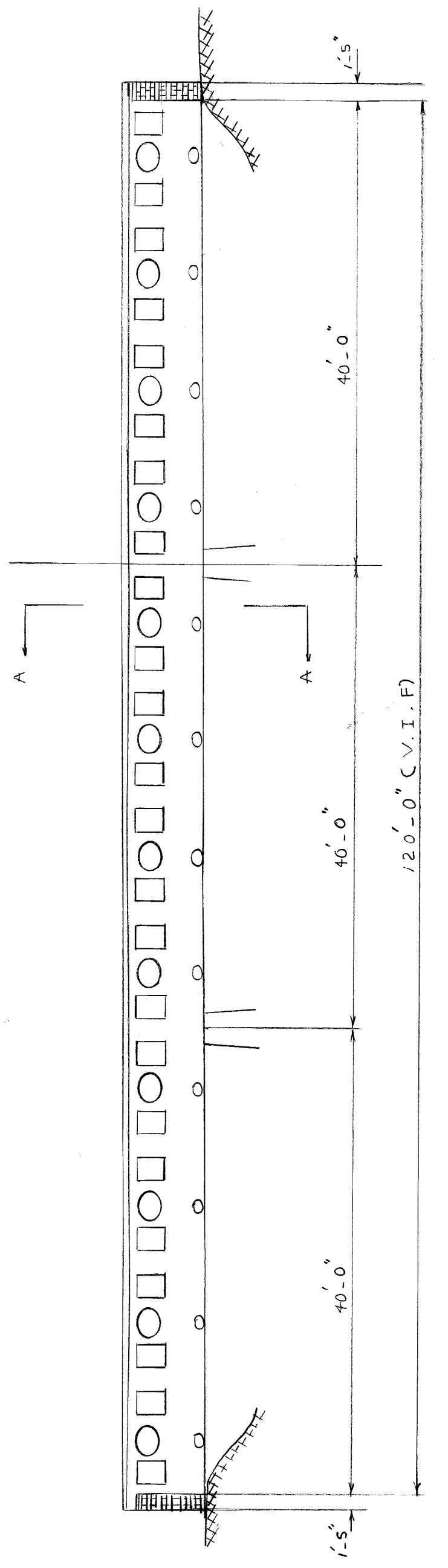
BELLE ISLE GOLF COURSE PEDESTRIAN BRIDGE (BP8)  
 SLAB REPLACEMENT

a.o. 91-56-07  
 contract no.  
 sheet 2 of 4  
 drawing no. B-1  
 date MAY-1991

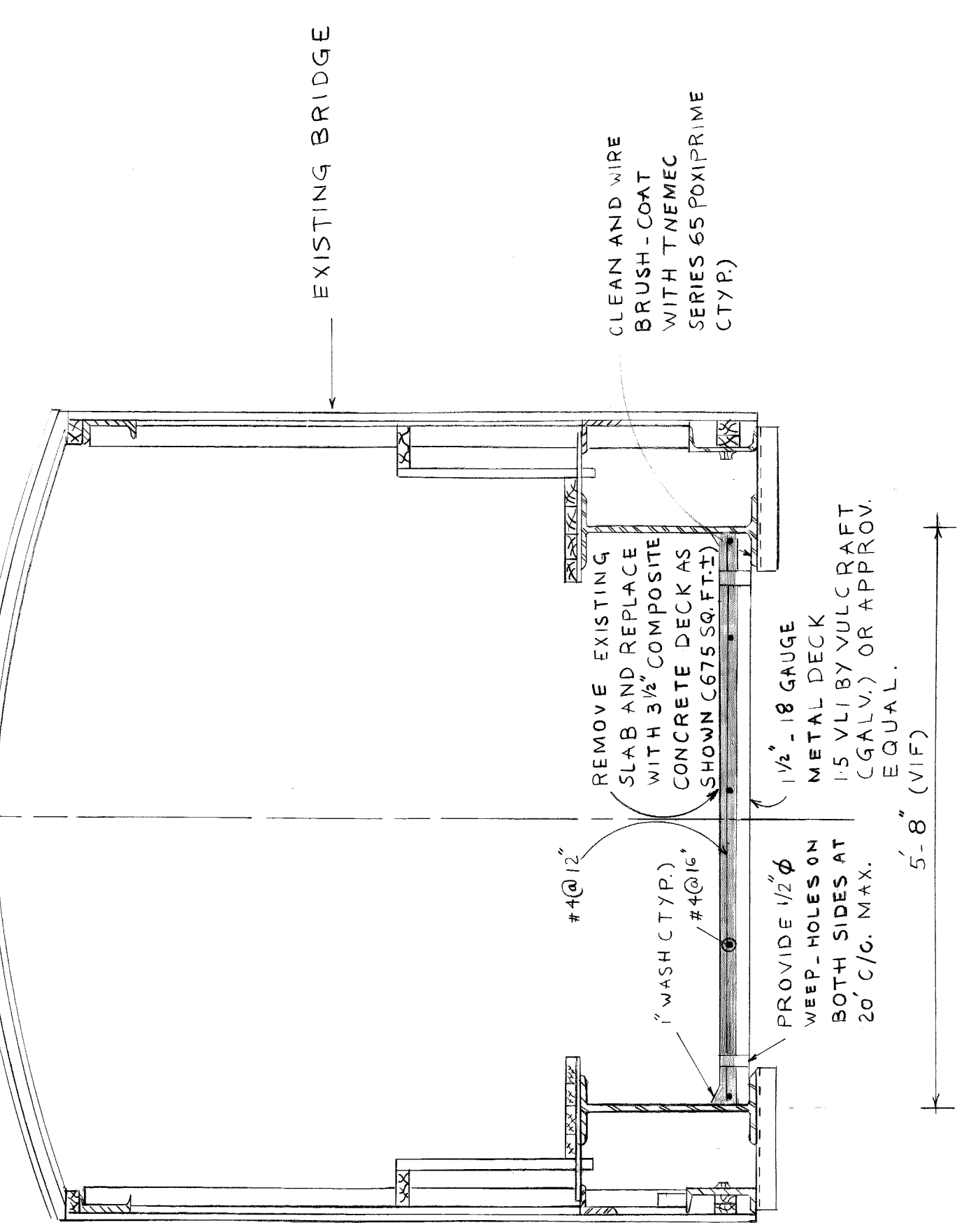


PLAN

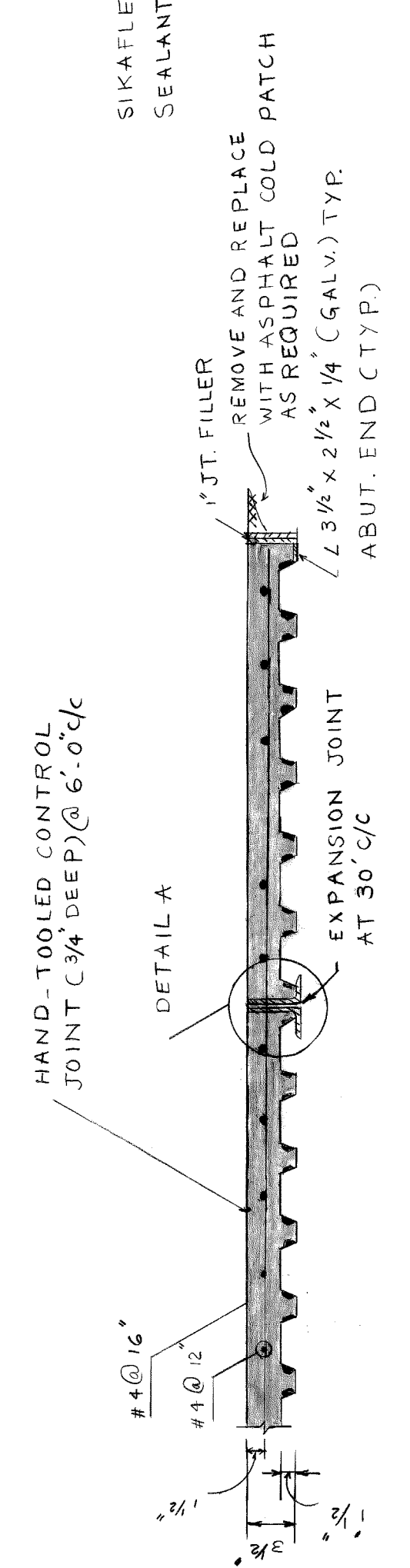
**GENERAL NOTES:**  
 ALL CONCRETE SHALL HAVE A MINIMUM  $f_c = 4000$  PSI IN 28 DAYS.  
 ALL REINFORCED STEEL SHALL BE ASTM A 615 GR 60 EPOXY COATED.  
 THE METAL COMPOSITE DECK SHALL BE ASTM A 446 GRADE A STEEL HAVING A MINIMUM YIELD STRENGTH OF 33 KSI AND GRANULIZED COATING CONFORMING TO ASTM A 525 G 90.  
 THE BACKER ROD SHALL BE A SOLID, ROUND, HEAT RESISTANT, CLOSED CELL, CROSS-LINKED POLYETHYLENE FOAM ROD.  
 CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD PRIOR TO ANY CONSTRUCTION.  
 EXCEPT WHERE OTHERWISE SHOWN ON THE PLAN, ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF STATE HIGHWAYS AND TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 1990 EDITION.



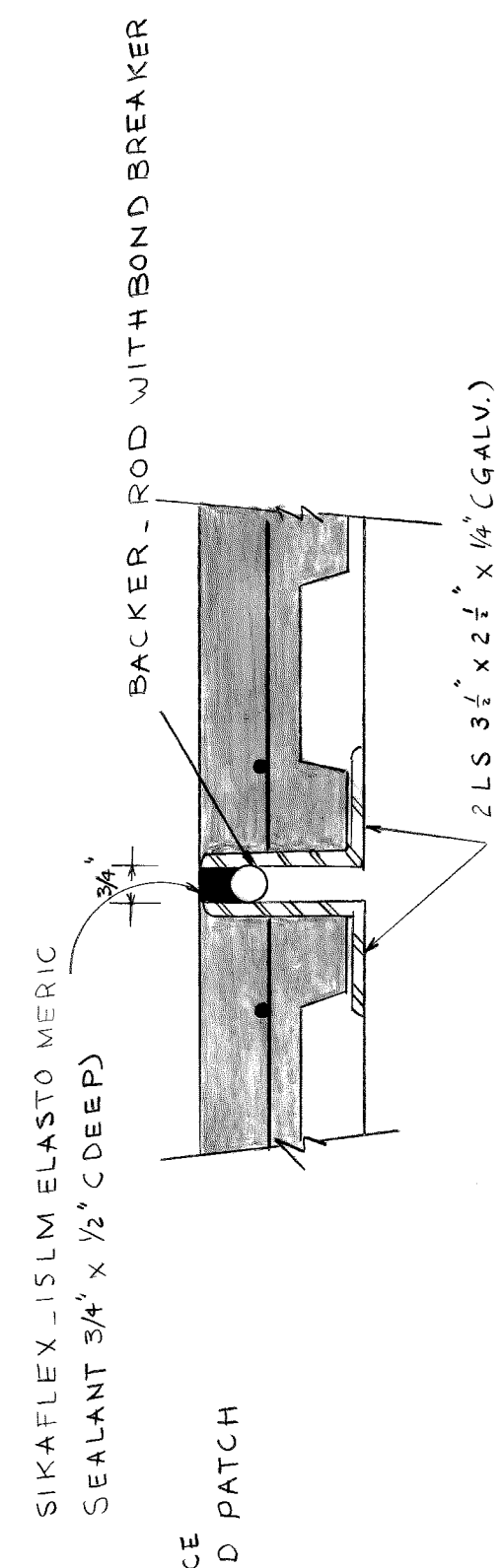
ELEVATION  
 SCALE: 1" = 10'



SECTION A-A  
 SCALE: 3/4" = 1'-0"



DETAILS OF EXPANSION & CONTROL JOINTS.  
 SCALE: 1 1/2" = 1'-0"



DETAILS #  
 SCALE: 3/4" = 1'-0"

Revisions	date	description

designed by *M.C.*  
 drawn by *J.L. BOURDEAUX*  
 checked by *J.J.*  
 approved: *[Signature]*

**CITY OF DETROIT**  
 city engineering department  
 for RECREATION DEPARTMENT

ROGELL GOLF COURSE  
 PEDESTRIAN BRIDGE (BP6)

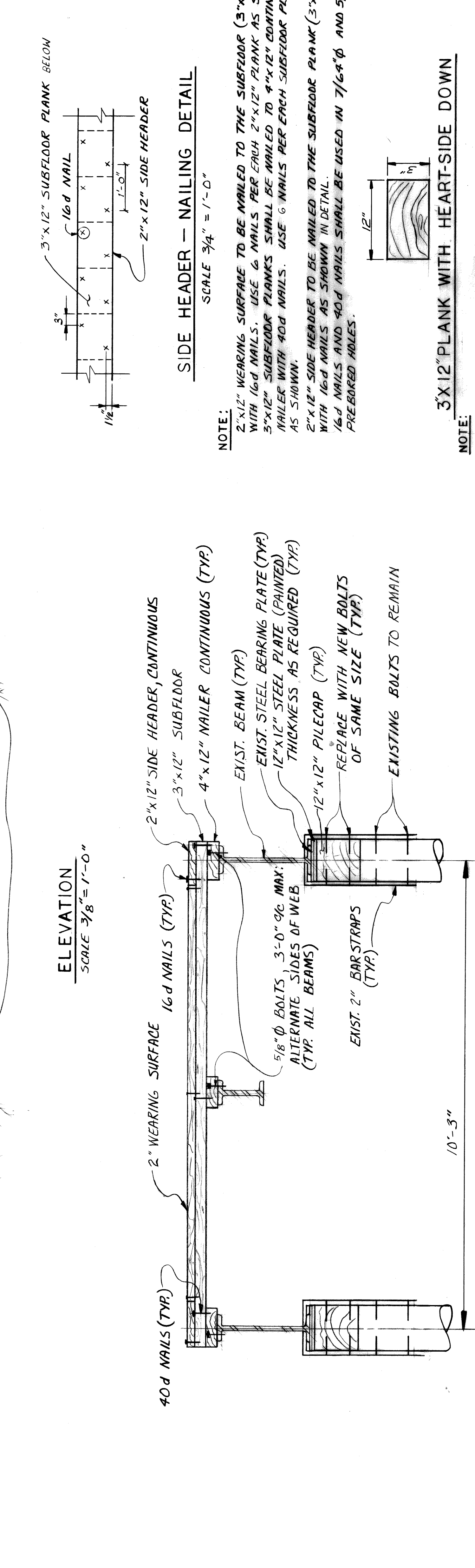
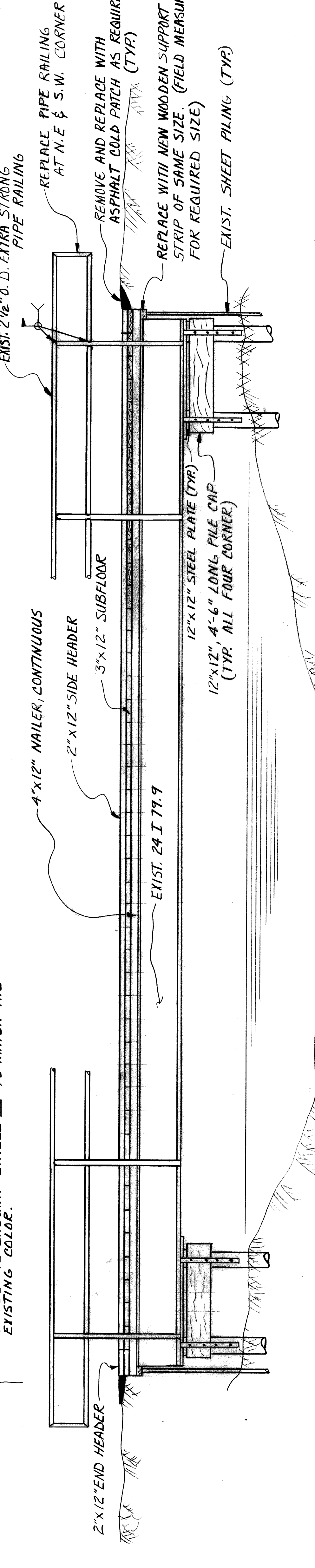
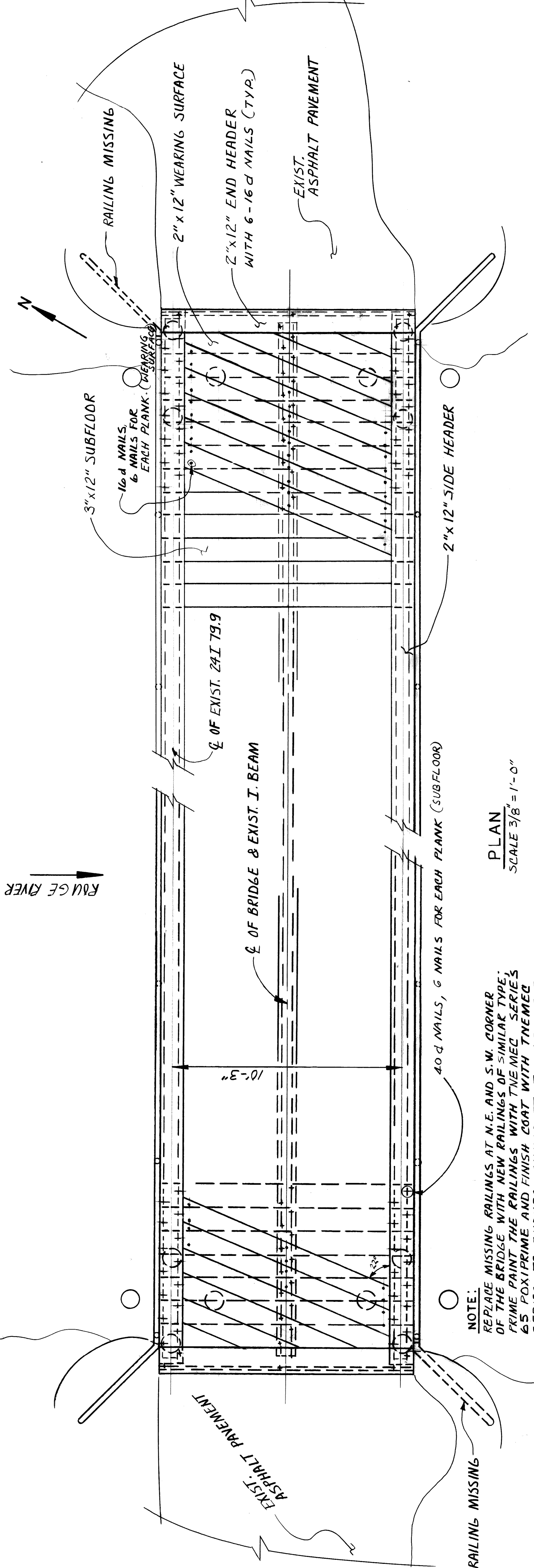
DECK REPLACEMENT

a.o. 91-56-07  
 contract no.  
 sheet 3 of 4  
 drawing no. G-1  
 date MAY-1991

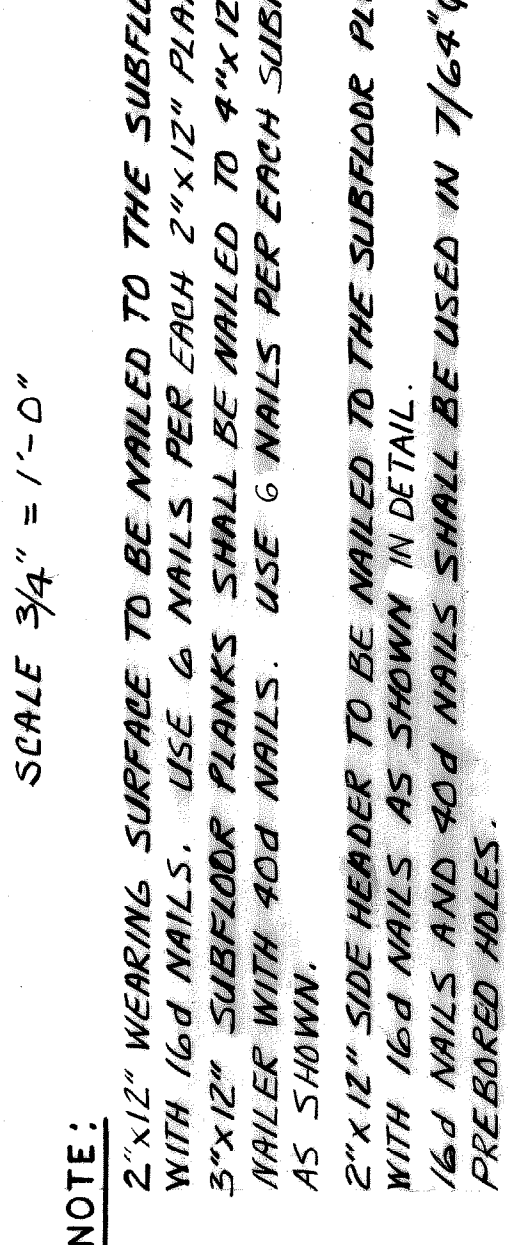
- DECK REPLACEMENT PROCEDURE**
1. REMOVE THE WOODEN WEARING SURFACE, SUBFLOOR AND NAILERS.
  2. PROVIDE TEMPORARY SUPPORT UNDER THE EXISTING STEEL BEAM.
  3. REMOVE THE EXISTING TIMBER PILE CAP AND REPLACE IT WITH A NEW 12"x12" TIMBER PILE CAP.
  4. INSTALL A 12"x12" STEEL PLATE (THICKNESS AS REQUIRED) BETWEEN THE PILE CAP AND THE EXISTING STEEL BEARING PLATE.
  5. REMOVE WELD BETWEEN THE STEEL STRAP AND THE BOTTOM FLANGE OF THE BEAM.
  6. AFTER THE BEAM HAS BEATED FIRMLY, WELD THE STEEL STRAP TO THE BOTTOM FLANGE.
  7. PERFORM THIS PROCEDURE FOR ALL FOUR CORNERS, ONE AT A TIME.
  8. REMOVE TEMPORARY SUPPORT.
  9. REPLACE THE WOODEN DECK AS SHOWN ON THE DRAWING.

**GENERAL NOTES:**

1. EXCEPT WHERE OTHER WISE SHOWN ON THE PLAN, ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF STATE HIGHWAYS AND TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 1990 EDITION.
2. THE LUMBER FOR THIS STRUCTURE SHALL BE DRESSED SOUTHERN PINE NO. 1 KD (S = 1750 F.S.I.) OR BETTER, THAT HAS BEEN PRESSURE TREATED IN ACCORDANCE WITH A.W.P.B. LP-22 AND THEN KILNDRIED AGAIN AFTER TREATMENT. (AVAILABLE THROUGH CONTINENTAL WOOD PRESERVERS, INC., 7500 E. DAVIDSON, DETROIT TEL. 365-9200).
3. ALL BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153.
4. ALL NAILS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 123.
5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD PRIOR TO ANY CONSTRUCTION, INCLUDING DISTANCE BETWEEN THE TOP OF THE PILES AND THE BOTTOM OF THE STEEL BEAM FOR DETERMINING THE SIZE OF THE TIMBER PILE CAP AND THE THICKNESS OF THE STEEL PLATE.



**SIDE HEADER - NAILING DETAIL**



**NOTE:**  
 THE PLANKS SHALL BE LAID HEART SIDE DOWN AS SHOWN. THE PLANKS SHALL BE CAREFULLY GRADED AS TO THICKNESS AND SO LAID THAT NO TWO ADJACENT PLANKS SHALL VARY IN THICKNESS BY MORE THAN 1/16 INCH.

**3"x12" PLANK WITH HEART-SIDE DOWN**



**NOTE:**  
 THE PLANKS SHALL BE LAID HEART SIDE DOWN AS SHOWN. THE PLANKS SHALL BE CAREFULLY GRADED AS TO THICKNESS AND SO LAID THAT NO TWO ADJACENT PLANKS SHALL VARY IN THICKNESS BY MORE THAN 1/16 INCH.



dr'n	ck'd	ap'd	vd	date

REVISIONS

designed by M.C.  
 drawn by J.J.  
 checked by M.C.  
 approved: *M.C.*

**CITY OF DETROIT**  
 city engineering department  
 for DEPARTMENT OF PARKS & RECREATION

ROGELL GOLF COURSE  
 PEDESTRIAN BRIDGE (BP-7)

DECK REPLACEMENT

a.o. 91-56-07  
 contract no.  
 sheet 4 of 4  
 drawing no. D-1  
 date MAY 1991

