



**NOTES**

- 1) FOOT BRIDGE LOADINGS  
LIVE LOAD: 60 PSF  
RAILING LATERAL LOAD: 50 PLF LATERAL LOAD (UBC)
- 2) FOOT BRIDGE FRAMING, DECK AND RAIL LUMBER SHALL BE SOUTHERN PINE, #1 OR AN APPROVED EQUAL WITH THE FOLLOWING PROPERTIES.  

2x4	2x6, 2x8, 2x10
F <sub>b</sub> (SINGLE)	1700PSI
F <sub>b</sub> (REPT)	1450PSI
FT	1950PSI
FT	1000PSI
F <sub>c</sub> L	975PSI
E	565PSI
	1,700,000PSI
- 3) LUMBER SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWPB STANDARD LP-22 TO A 0.40 PWF RETENTION (COA TYPE 3 PRESERVATIVE). AFTER PRESERVATIVE TREATMENT, ALL 2x4 AND 2x6 LUMBER SHALL BE KILN DRIED TO A MAX. MOISTURE CONTENT OF 19%. ANY LUMBER INCLUDING PILING, CUT OR DRILLED AFTER TREATMENT SHALL RECEIVE 2 HEAVY COATS OF PRESERVATIVE ON THE EXPOSED SURFACES, INCLUDING ENDS.
- 4) ADJACENT DECK BOARDS (2x6) SHALL BE BUTTED WITH NO GAP AND ATTACHED TO SUPPORT STRINGERS WITH MINIMUM 3 1/2" CORROSION RESISTANT DECK SCREWS U.N.O.
- 5) ALL CONNECTIONS SHALL BE MADE WITH MINIMUM 3 1/2" CORROSION RESISTANT DECK SCREWS U.N.O. 3 1/2" GALVANIZED RING SHANKED AND EPOXY COATED NAILS MAY BE USED WHERE REQUIRED, SUBJECT TO PROJECT MANAGER APPROVAL.
- 6) ALL BOLTS SHALL BE GRADE A, ASTM A307. BOLTS, NUTS, WASHERS, ETC. SHALL BE ZINC OR CADMIUM COATED IN ACCORDANCE WITH ASTM A153, A163, OR A164.
- 7) NEW 6' FOOT BRIDGE ELEVATION IS TO MATCH ELEVATION OF EXISTING 4' FOOT BRIDGE WHICH IS BEING REMOVED.
- 8) SEE SITE PLAN FOR LAYOUT AND LOCATION OF FOOT BRIDGE.
- 9) PROVIDE ADDITIONAL 6' WIDE X 50' LONG SURFACE BOARDWALK TO BE INSTALLED AT THE DIRECTION OF THE PROJECT MANAGER.
- 10) NEW TIMBER PILING TO BE 8" DIAMETER, NOMINAL, CLASS B PILES MEETING ASTM D25 FOR DOUGLAS FIR, PINE OR OAK WITH PRESSURE TREATMENT AS SPECIFIED BY FED.-SPEC. TT-W-571 AND AWPB C3. PILES TO DEVELOP MIN. 5 TON. CAPACITY WITH MINIMUM EMBEDMENT OF 10'-0", BELOW FINISHED GRADE.

**EXISTING FOOT BRIDGE SECTION**  
3/4" = 1'-0"

**LEGEND**

A	= ASH
P	= PINE
W	= WILLOW
C	= CEDAR
E	= ELM
O	= OAK
CW	= COTTONWOOD
H	= HICKORY
M	= MAPLE
+BB.8	= EXISTING ELEVATION
W	= WATER VALVE
⊕	= FIRE HYDRANT
R.P. Δ	= REFERENCE POINT

7-26-01  
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DRN BY:	SAH
DESIGN BY:	PS
CHECK BY:	GDA
APPRO BY:	

**Capital Consultants, Inc.**  
ENGINEERS

STATE OF MICHIGAN  
DEPARTMENT OF MANAGEMENT AND BUDGET  
**Office of Facilities**

QUALITY OF LIFE RECREATION BOND  
MICHIGAN DEPARTMENT OF NATURAL RESOURCES  
PARKS DIVISION - STATE ACCT. NO. 607-75-2450-400

**BAY CITY STATE PARK**  
**FOOT BRIDGE SITE PLAN**

L-122  
SCALE: 1"=20'  
PROJ. NO.: 90135  
SHEET 2 OF 3