



US Army Corps
of Engineers

Detroit District

Public Notice

Applicant: City of Charlevoix (Rob Strabel, City Manager)

In Reply Refer To: Corps File No. LRE-2003-410240-S14

Date: December 16, 2014

Expires: January 14, 2015

Proposed Expansion of the City of Charlevoix East Park Marina and provide broadside mooring for the public.

Applicant: Rob Strabel, City Manager
City of Charlevoix
210 State Street
Charlevoix, MI 49720-1345

Project Location: The site is located at the 300 & 400 Block of Bridge Street, in the City of Charlevoix, Charlevoix County, Michigan 49720 (Section 26, Township 34 N, Range 8 W)

Federal Authority: The applicant has applied for a Department of the Army permit under Section 10 of the Rivers and Harbors Act of 1899.

State Authority: Coastal Zone Management Certification (or waiver thereof) is required from the State of Michigan if this proposed activity would occur within the designated coastal zone.

Project Description: As shown on the attached plans, the applicant proposes to install a 264 ft long ell-shaped head pier with a 80 ft long by 16 ft wide ell, three 80 ft long by 6 ft wide finger piers, and install a 136 ft long shoppers dock extension along the existing bulkhead. The work would provide 7 additional marina slips, broadside mooring for commercial vessels adjacent to the head pier, and broadside shoppers dock slips. The purpose of the proposed work is increase the marina mooring capacity and to provide improved boater access to the downtown area.

Other Authorizations:

A permit is required from the Michigan Department of Environmental Quality under applicable provisions of the Natural Resources and Environmental Protection Act (NREPA, 1994 PA 451.) The State file number is 14-15-0042-P.

Comments: We are publishing this notice in compliance with Title 33 Code of Federal Regulations Parts 320-332. Comments on the project should be submitted in writing

and postmarked or delivered by the expiration date of this public notice. Comments of a positive or negative nature may be submitted. All responses must refer to file number LRE-2003-410240-S14. We will interpret a lack of response as meaning that there is no objection to the permit application. Comments should be filed with:

Charles M. Simon
Chief, Permit Evaluation Western Branch
Regulatory Office
Detroit District, Corps of Engineers
477 Michigan Avenue
Detroit, Michigan 48226-2550

Comments may be e-mailed to: Edward.J.Arthur@usace.army.mil, but must include a name and mailing address.

Public Hearing: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

Evaluation: The decision whether to issue the Department of the Army permit will be based on evaluation of the probable impacts of the proposed activity on the public interest. That decision will reflect the national concerns for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Endangered Species: We will review this application for the potential impact on threatened or endangered species pursuant to Section 7 of the Endangered Species Act as amended. We are not aware of the presence of any listed species or critical habitat at or in the vicinity of the proposed worksite. We invite information and/or comments regarding the potential presence of, or impacts to, any listed species or critical habitat.

Cultural Resources: The District Staff has reviewed existing information on historic properties potentially affected by the proposed project, including the National Register of Historic Places. There are no recorded historic properties within the permit area.

The District Engineer invites responses to this public notice from federal, state and local agencies, historical and archaeological societies, Indian tribes, and other parties likely to have knowledge of or concerns with historic properties in the area.

Additional Information: This public notice and drawings are also available for viewing/printing at:

<http://www.lre.usace.army.mil/Missions/RegulatoryProgramandPermits/PublicNotices.aspx>. Questions concerning this application may be directed to Edward Arthur at the Corps of Engineers address listed above, or telephone number 906-635-3461.

FOR THE DISTRICT ENGINEER:

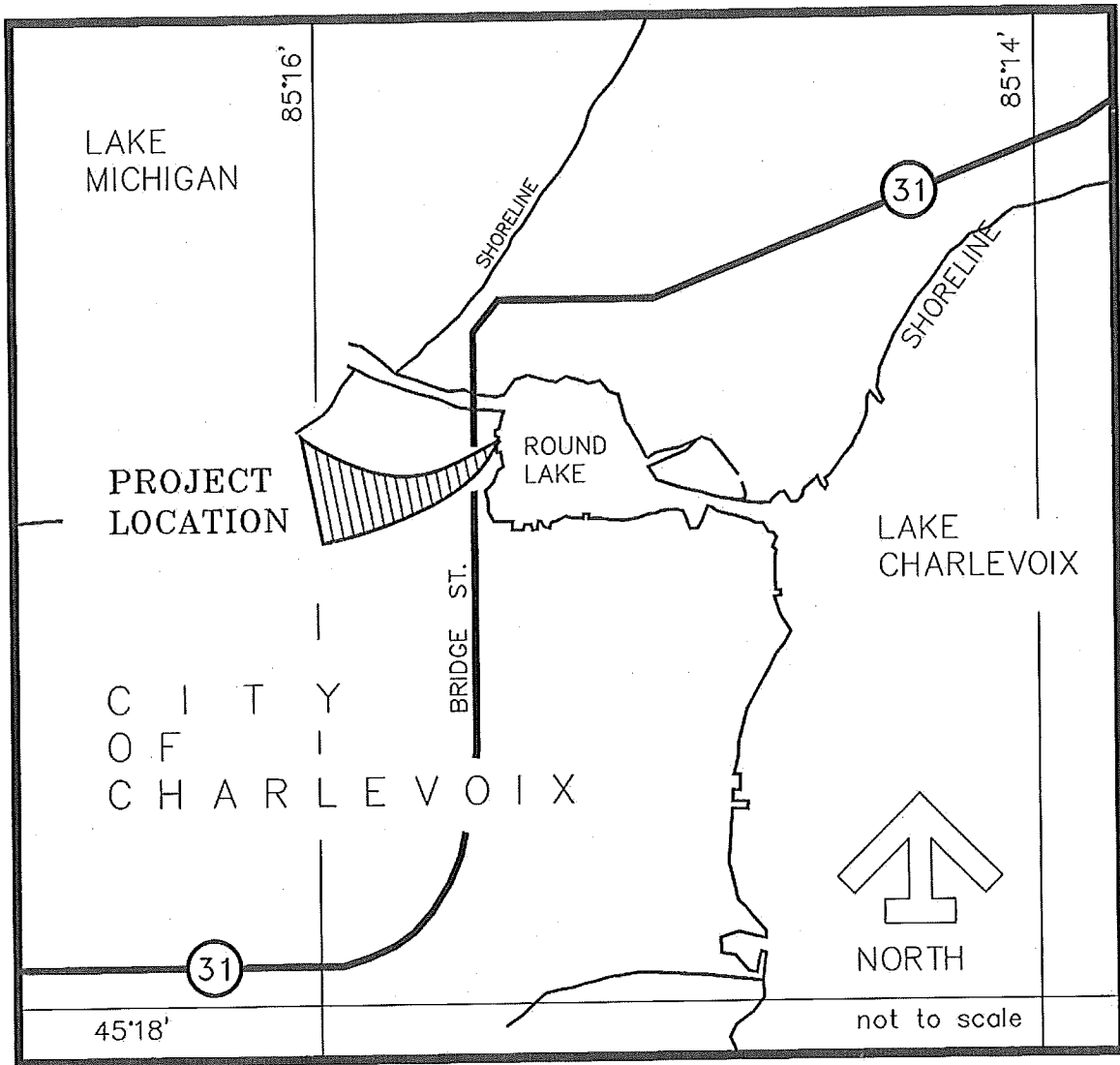
Charles M. Simon
Chief, Permit Evaluation Western Branch
Regulatory Office

NOTICE TO POSTMASTERS:

We request that the above notice be conspicuously and continuously posted for the time period of this notice.

OCT 10 2014

GAYLORD FIELD OFFICE



LOCATION MAP

PERMIT APPLICATION BY AND FOR:
THE CITY OF CHARLEVOIX
210 STATE STREET
CHARLEVOIX, MICHIGAN 49720

PERMIT APPLICATION DRAWINGS BY:
UNITED DESIGN ASSOCIATES, Inc.
111 NORTH MAIN STREET, Suite 3
CHEBOYGAN, MICHIGAN, 49721

DATUM: 1985 INTERNATIONAL GREAT LAKES
LOW WATER DATUM ELEV. = 577.5 FOR
LAKE MICHIGAN

APPLICATION DATE: SEPTEMBER, 2014

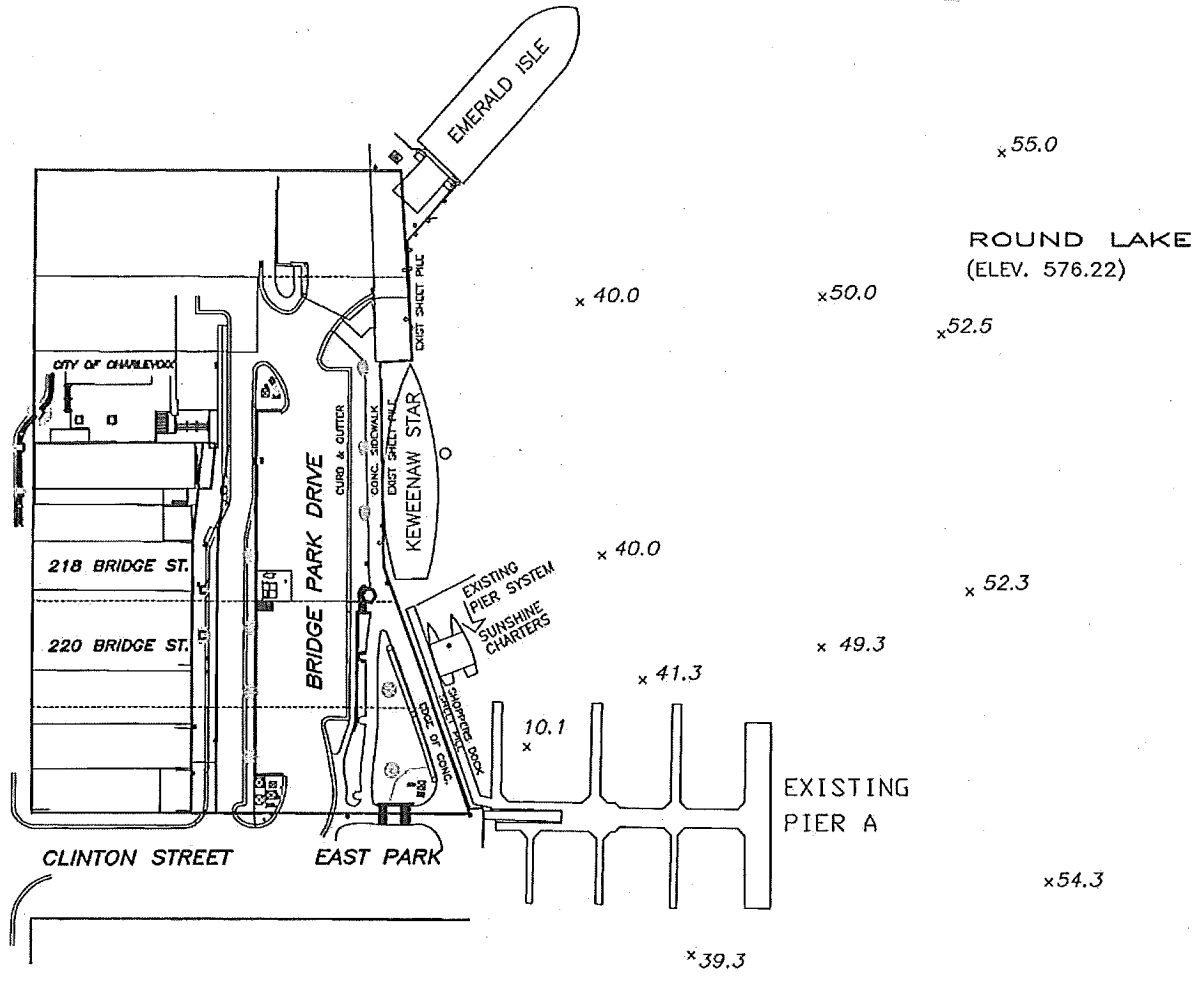
SHEET 1 OF 6

APPLICATION FOR:
PROPOSED PHASE 3 - FLOATING PIER SYSTEMS
EAST PARK MARINA MOORING FACILITY
FOR THE CITY OF CHARLEVOIX
CHARLEVOIX COUNTY, MICHIGAN
LOTS 4 THRU 12 OF BLOCK 5
IN ORIGINAL PLAT OF VILLAGE OF CHARLEVOIX
CHARLEVOIX COUNTY, MICHIGAN

Received
10/10/14

OCT 10 2014

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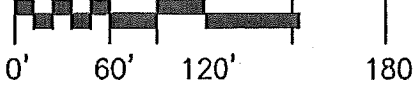
PERMIT APPLICATION DRAWINGS BY:
 UNITED DESIGN ASSOCIATES, Inc.
 111 NORTH MAIN STREET, Suite 3
 CHEBOYGAN, MICHIGAN, 49721

DATUM: 1985 INTERNATIONAL GREAT LAKES
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APPLICATION DATE: SEPTEMBER, 2014
 SHEET 2 OF 6

EXISTING SITE PLAN

scale in feet: 1" = 120'



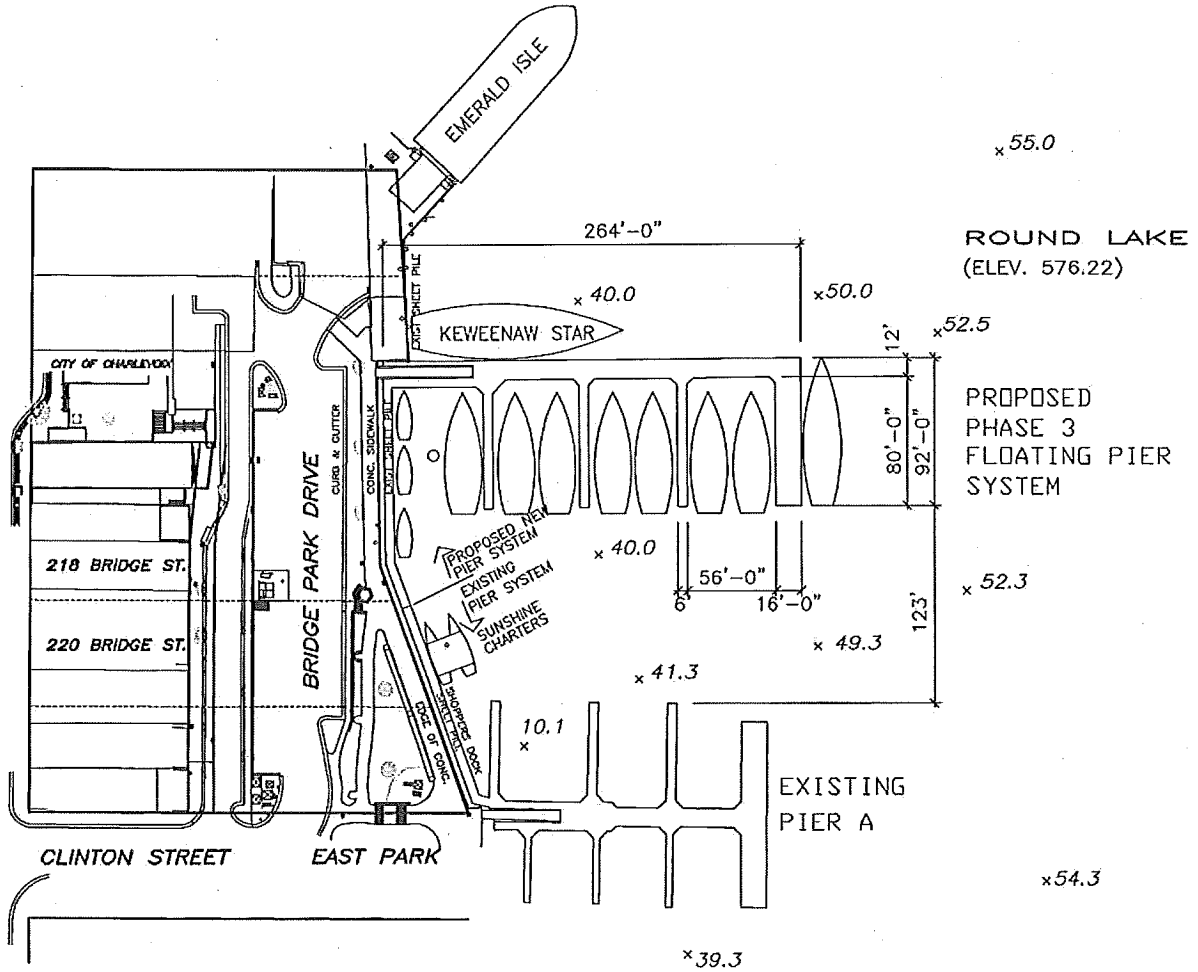
W.S. = 577.4 (6/2003) (-0.1' LWD, 1985 IGLD),
 CONVERSION: 1985 I.G.L.D. = 1988 N.A.V.D. - 0.29'

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WRD/DEO

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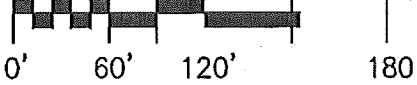
GAYLORD FIELD OFFICE



PROPOSED SITE PLAN



scale in feet: 1" = 120'



W.S. = 577.4 (6/2003) (-0.1' LWD, 1985 IGLD)
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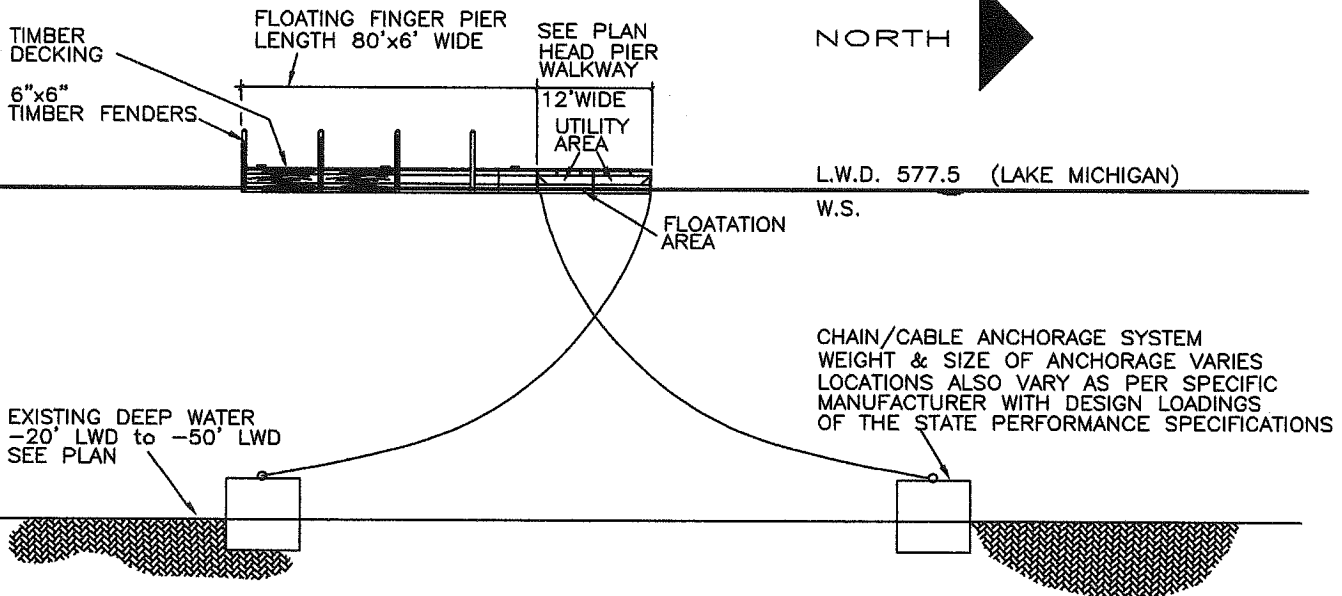
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SHEET 3 OF 6

FLOATING SYSTEMS WILL DESIGNED AND CONSTRUCTED
IN ACCORDANCE WITH STATE OF MICHIGAN, MDNR FLOATING
PIER SYSTEM PERFORMANCE SPECIFICATIONS

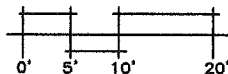
DEAD LOAD FREEBOARD OF
FLOATING UNITS: 22" - 26"

ACCESS RAMP NOT SHOWN
AND SHORE CONNECTION FRAMING
IS NOT SHOWN



TYPICAL FLOATING PIER SYSTEM

scale: 1"=20'-0"
SCALE (IN FEET)



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WRD/DEC

OCT 10 2014

WRD OFFICE

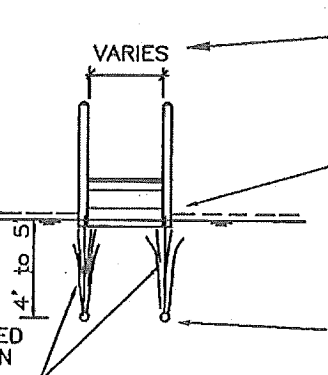
DEPTH OF SUSPENSION
VARIES WITH EACH SITE
DEPENDING ON CONDITIONS
FLOATING = BELOW BOTTOM OF UNIT
FIXED = BELOW LOW WATER DATUM

L.W.D. 577.5

WATER SURFACE

SMALL DIA. CABLE SPACED AS REQUIRED
FOR SUSPENDING COPPER DISTRIBUTION
SYSTEM PIPE. CONNECTED TO SIDE
OF FLOATING PIER SYSTEM.

DEEP WATER
NATURAL BOTTOM- SEE PLAN



FLOATING
FINGER PIERS (4' to 6' WIDE)

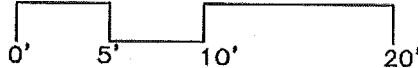
OPERATIONALLY, RISING AIR
BUBBLE PLUME KEEPS A RIBBON OF
OPEN WATER OF VARIING WIDTH
DEPENDING ON AMBIENT AIR TEMPERATURE.
USUALLY VAIRES 0" TO APPRX. 12"
DEPENDING ON DESIGN.

1/2" TO 1" DIAMETER
COPPER DISTRIBUTION PIPE COMPLETELY
PERIMETERING FINGER PIERS
EACH SIDE AND END.
SMALL AIR DISTRIBUTION HOLES
AT 24" TO 48" C/C
HEAD PIER PIPE 1" TO 2" DIA.

ICE SUPPRESSION PIPING CONTINUOUS
AROUND ENTIRE PERIMETER OF HEAD PIERS
AND FINGER PIERS.

**TYPICAL: ICE SUPPRESSION PIPING DETAILS
FOR FLOATING FINGER PIER SYSTEMS SECTION IF-IF**

SCALE IN FEET



COVERED ELECTRIC MOTOR
BLOWER UNITS PERIODICALLY
SPACED ALONG HEAD PIER
WITH FLEX. PIPE DROPS
TO ICE SUPPRESSION PIPING

DEPTH OF SUSPENSION
VARIES WITH EACH SITE
DEPENDING ON CONDITIONS
FLOATING = BELOW BOTTOM OF UNIT

L.W.D. 577.5

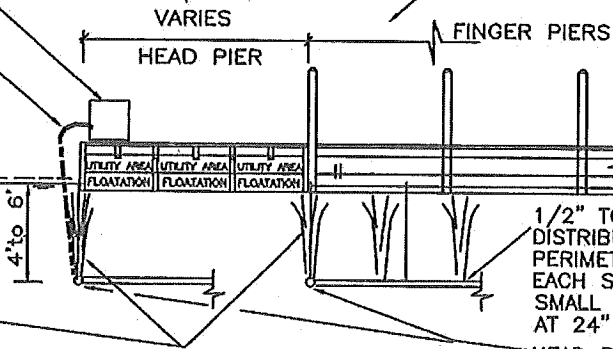
WATER SURFACE

SMALL DIA. CABLE SPACED AS REQUIRED
FOR SUSPENDING COPPER DISTRIBUTION
SYSTEM PIPE. CONNECTED TO SIDE
OF FLOATING UNIT SYSTEM.

DEEP WATER
NATURAL BOTTOM- SEE PLAN

FLOATING
HEAD PIER (8' or 12' W) OR
END T PIERS (WIDTH VARIES)

OPERATIONALLY, RISING AIR
BUBBLE PLUME KEEPS A RIBBON OF
OPEN WATER OF VARIING WIDTH DEPENDS
ON AMBIENT AIR TEMPERATURE.
USUALLY VAIRES 0" TO APPRX. 12"
DEPENDING ON DESIGN.

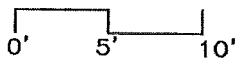


1/2" TO 1" DIAMETER COPPER
DISTRIBUTION PIPES COMPLETELY
PERIMETERING FINGER PIERS
EACH SIDE AND END.
SMALL AIR DISTRIBUTION HOLES
AT 24" TO 48" C/C

HEAD PIER PIPES 1" TO 2" DIA.
CROSS PIPES AT UNIT-UNIT
CONNECTIONS

**TYPICAL: ICE SUPPRESSION PIPING DETAILS
FOR FLOATING HEAD PIER SYSTEMS SECTION IH-IH**

SCALE IN FEET



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