

GANGWAY, FLOATING PIER AND DEDICATED BOAT SLIPS PER ADAAG 4.8 MUST BE ADA COMPLIANT AND MUST BE ON AN ACCESSIBLE ROUTE. DESIGN OF GANGWAY BY OTHERS: ENSURE THAT THE SLOPE DOES NOT EXCEED 1:12. RAMP SLOPES BETWEEN 1:16 AND 1:20 ARE PREFERRED. TRANSITION BETWEEN PARKING LOT AND GANGWAY SHALL BE COMPLIANT.

Accessible boat slips are not "reserved" for persons with disabilities in the same manner as accessible vehicle parking spaces. Rather, accessible boat slip use is comparable to accessible hotel rooms. The Department of Justice is responsible for addressing operational issues relating to the use of accessible facilities and elements. The Department of Justice currently advises that hotels should hold accessible rooms for persons with disabilities until all other rooms are filled. At that point, accessible rooms can be open for general use on a first come, first serve basis. It is advised that these boat slips be operated and managed in this same manner.

Under ADAAG, an accessible route must serve the last float because it would function as the boarding pier at the lowest water level. Under exception 3 in 15.2.4, each float is not required to comply with ADAAG 4.8, (handrails) but must meet all other requirements in ADAAG 4.3, (accessible route) unless exempted by exception 1 in 15.2.4, (boarding piers). In this example, because the entire chain also functions as a boarding pier, the entire chain must comply with the requirements of 15.2.5 (accessible boat slips), including the 60-inch minimum clear pier width provision.

Accessible boat slips are served by clear pier space 60 inches wide minimum and at least as long as the accessible boat slips. Every 10 feet maximum of linear pier edge serving the accessible boat slips contains at least one continuous clear opening 60 inches minimum wide.

The boat slips are required to be accessible and are provided at a floating pier. The vertical distance an accessible route must travel to the pier when the water is at its lowest level is six feet, although the water level only fluctuates three feet.

F.A. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
99-00013-00-HP	JERSEY	ILLINOIS	15	5
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 97262				

JOHN A. SHORTAL,  
ARCHITECT, LTD.  
608 POPULAR STREET  
JERSEYVILLE, ILLINOIS 62052  
(618) 779-2740

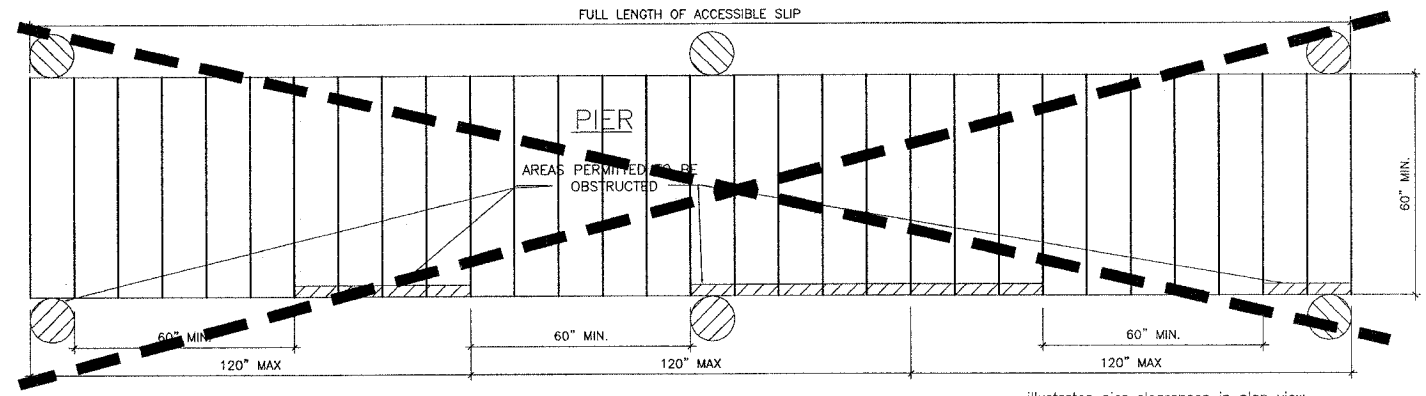
CITY OF  
GRAFTON  
GRAFTON, IL 62037

GRAFTON HARBOR  
MARINA PROJECT  
RESTROOM BUILDING  
215 W. WATER STREET  
GRAFTON, IL 62037

DATE:	9/1/05
REVISED:	00/00/00
ISSUED:	FOR BID
PROJ. NO.:	40001
DRAWN BY:	JaS

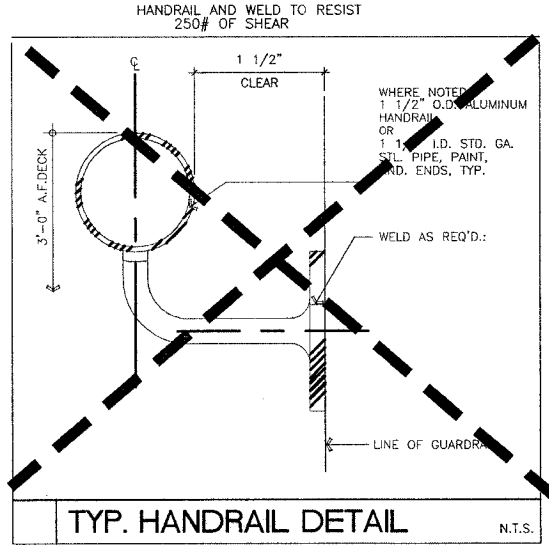
SHEET TITLE  
ARCHITECTURAL  
SITE PLAN  
(5)

A1.1

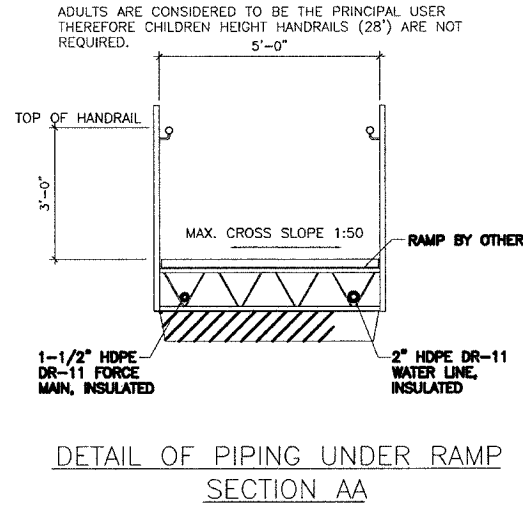


PIER CLEARANCES IN PLAN VIEW

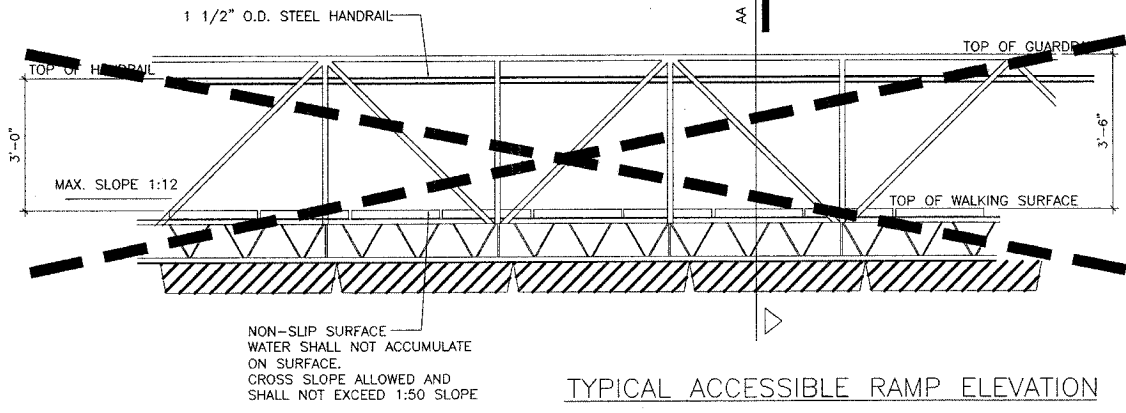
illustrates pier clearances in plan view. Accessible boat slips are served by clear pier space 60 inches wide minimum and at least as long as the accessible boat slips. Every 10 feet maximum of linear pier edge serving the accessible boat slips contains at least one continuous clear opening 60 inches minimum wide.



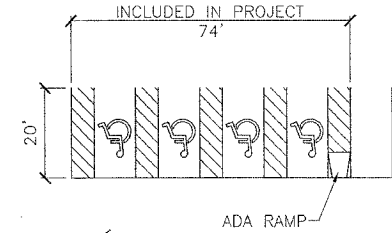
TYP. HANDRAIL DETAIL



DETAIL OF PIPING UNDER RAMP SECTION AA

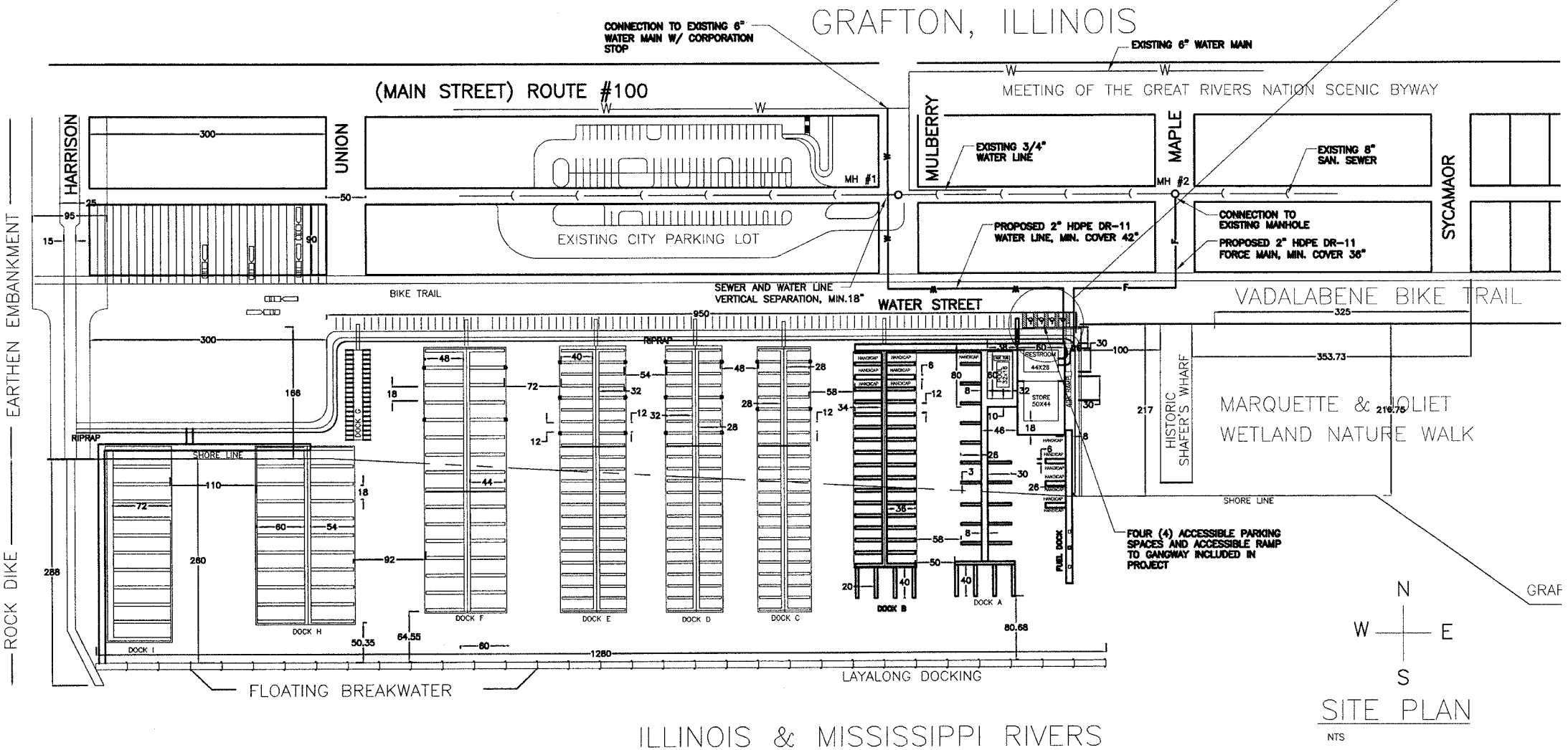


TYPICAL ACCESSIBLE RAMP ELEVATION



ADA RAMP

- DOCK 'A' 16 - 35' UNCOVERED
  - DOCK 'B' 32 - 35' UNCOVERED
  - DOCK 'C' 24 - 26' UNCOVERED
  - DOCK 'D' 14 - 24' COVERED
  - DOCK 'E' 14 - 28' COVERED
  - DOCK 'F' 13 - 32' COVERED
  - DOCK 'G' 13 - 40' COVERED
  - DOCK 'H' 24 - 48' COVERED
  - DOCK 'I' 18 - 60' COVERED
  - DOCK 'J' 9 - 72' COVERED
- 177  
14 ADA COMPLIANT SLIP SPACES



SITE PLAN

ILLINOIS & MISSISSIPPI RIVERS