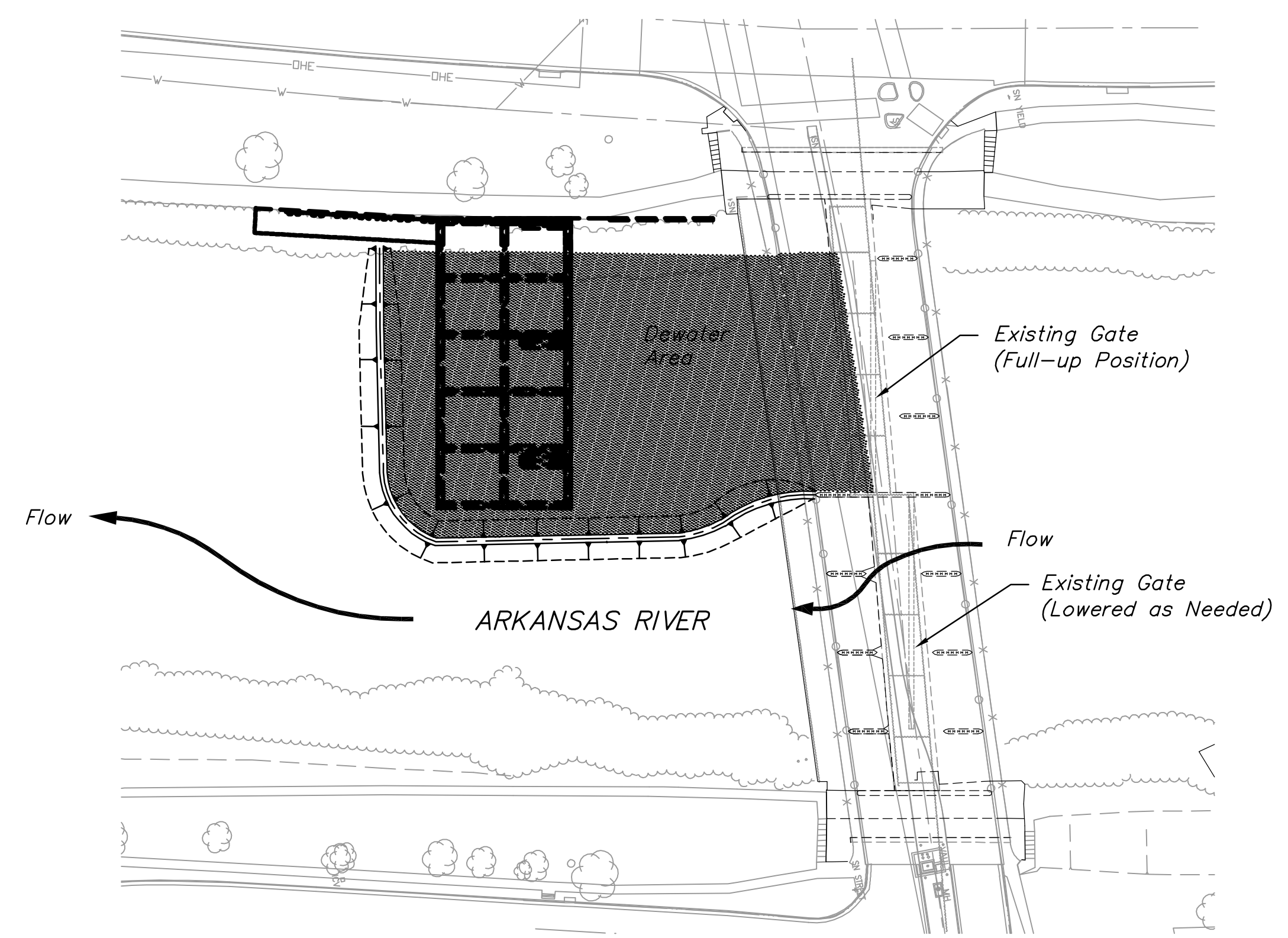
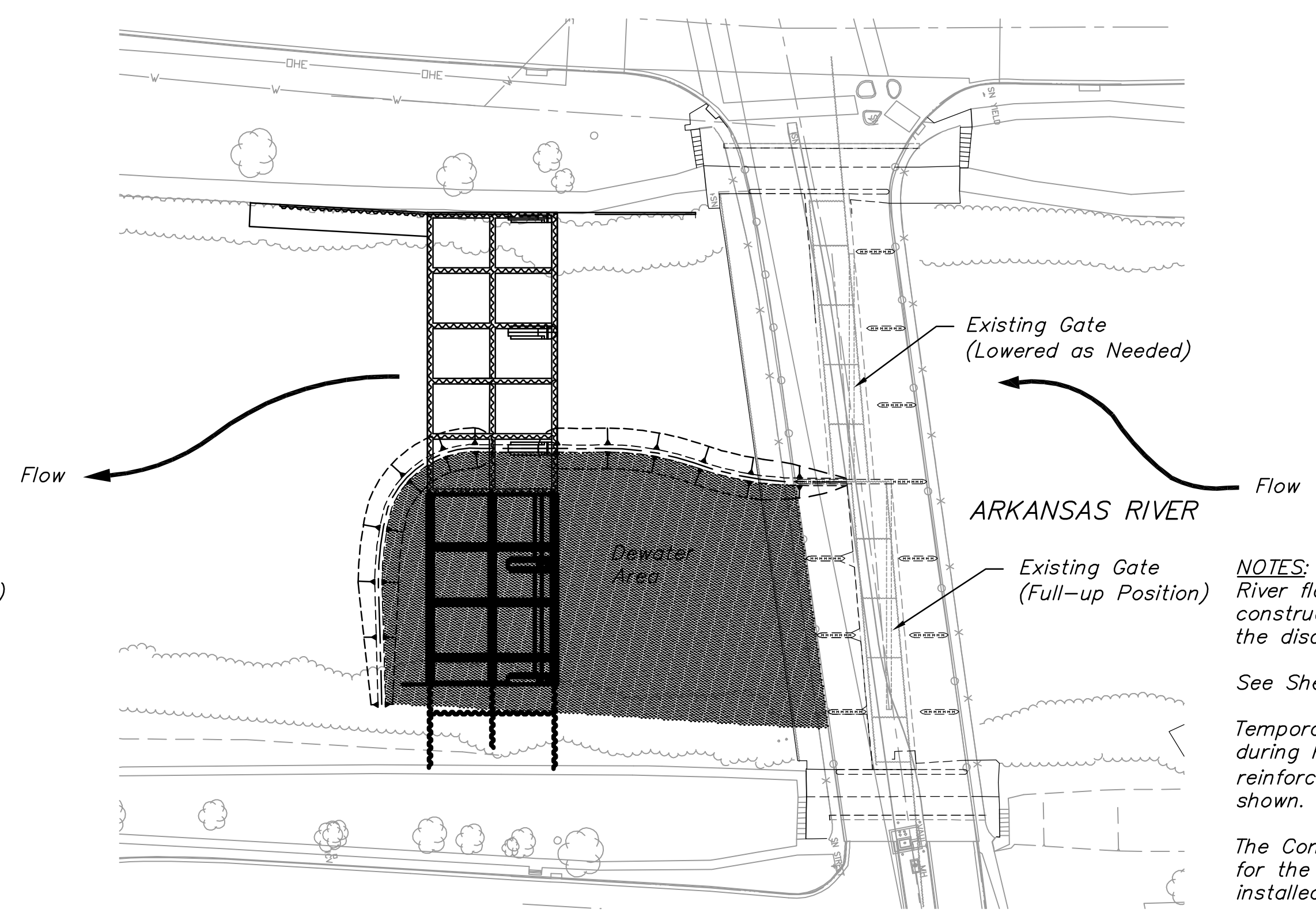


STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0361-01	2011	124	169

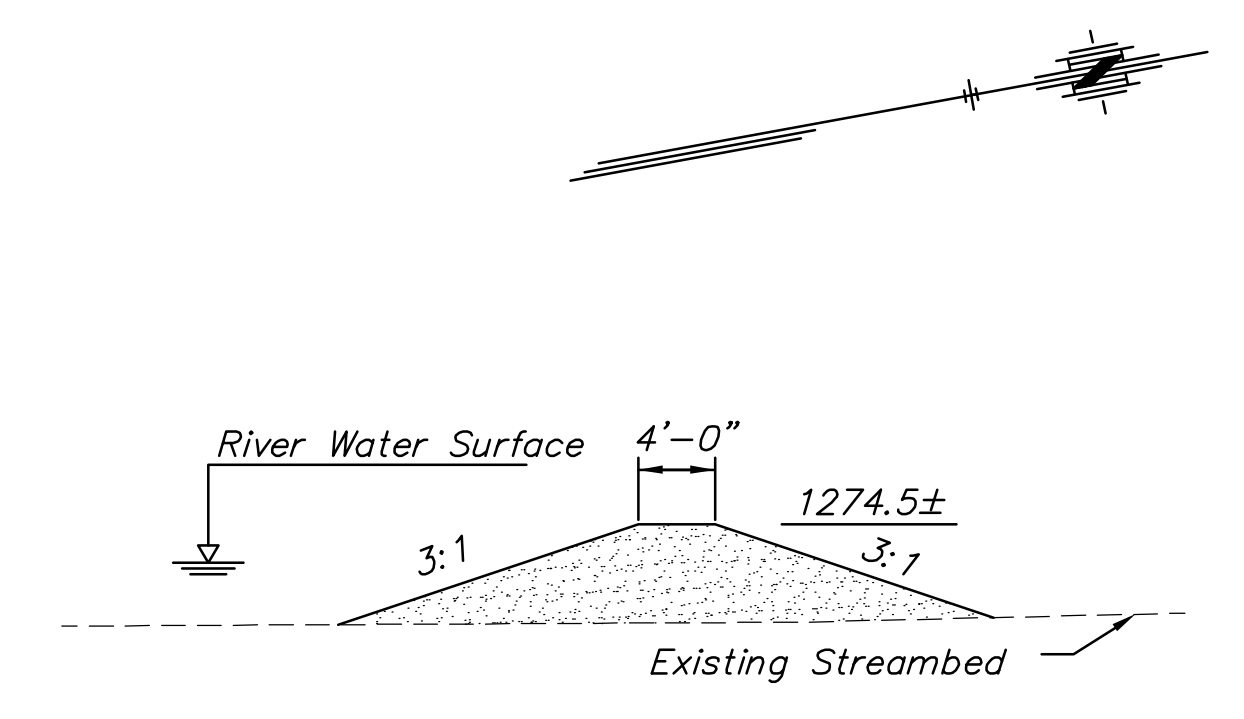
**MKEC**  
ENGINEERING  
CONSULTANTS, INC.  
411 N. WEBB ROAD  
WICHITA, K.S. 67206  
316-684-9600



RIVER DIVERSION PLAN  
(CONSTRUCTION PHASE 1A)  
No Scale



RIVER DIVERSION PLAN  
(CONSTRUCTION PHASE 1B)  
No Scale



TYPICAL TEMPORARY BERM SECTION

**NOTES:**  
River flow may be diverted as required to complete each phase of construction. River diversion activities shall not impound the river or alter the discharge flow rate in any way.  
See Sheet 141 for construction phasing information.

Temporary berm construction, alteration and removal may occur anytime during Phases 1, 4A and 5. Berms shall be protected by installing turf reinforcement mat (North American Green C350 or approved equal) as shown. The turf reinforcement mat may be substituted for rip-rap.

The Contractor shall also install a turbidity curtain as shown and maintain it for the duration of berm construction. Turbidity curtains do not need to be installed during normal construction activities.

The turbidity curtain does not necessarily need to be a device manufactured commercially for the purpose of controlling sediment within water bodies although such devices are allowed. Curtains shall be submitted for approval prior to installation.

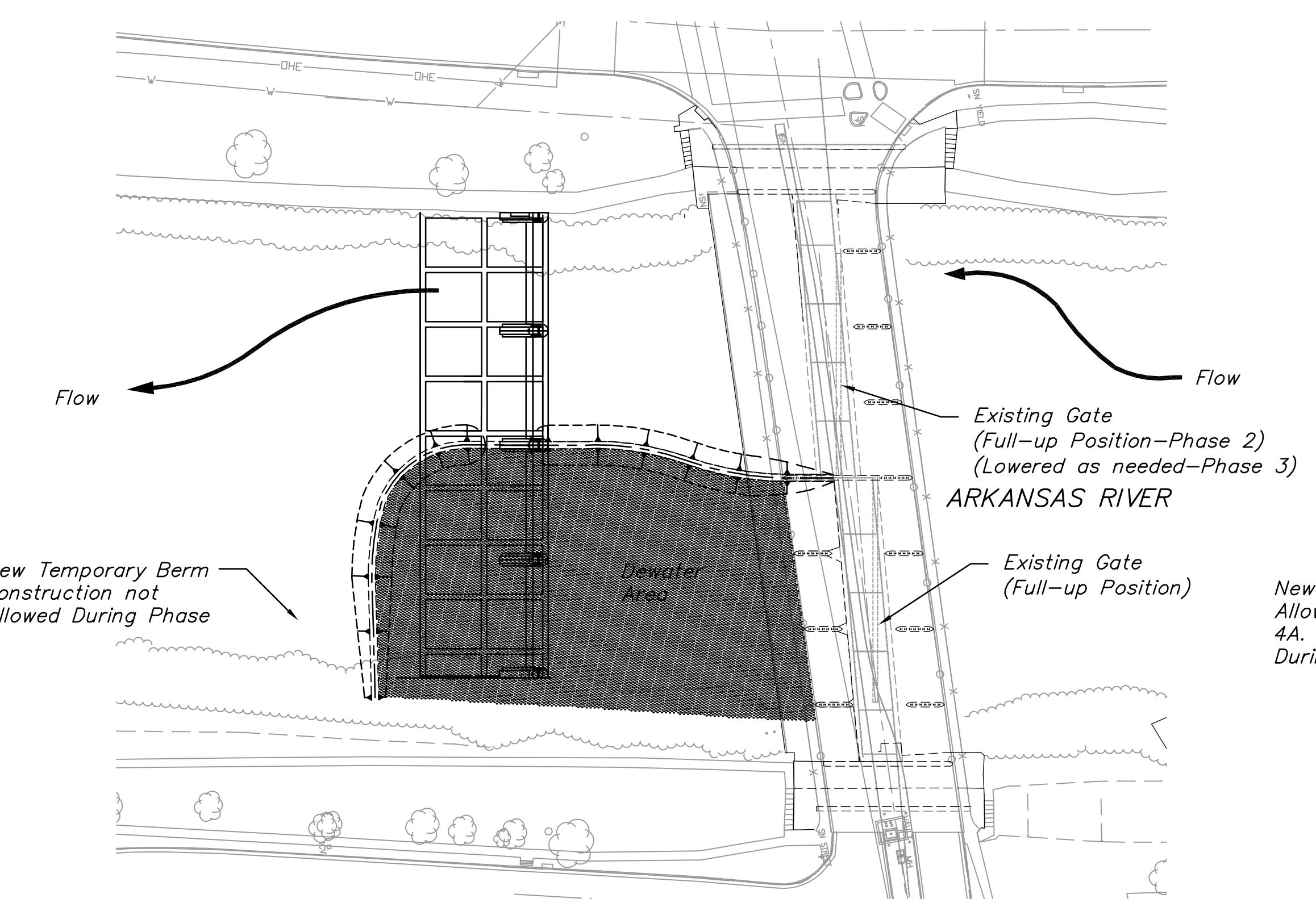
The turbidity curtain shall have pervious screens.

Installation, maintenance and removal of commercially manufactured curtains shall conform to the manufacturer's recommendations.

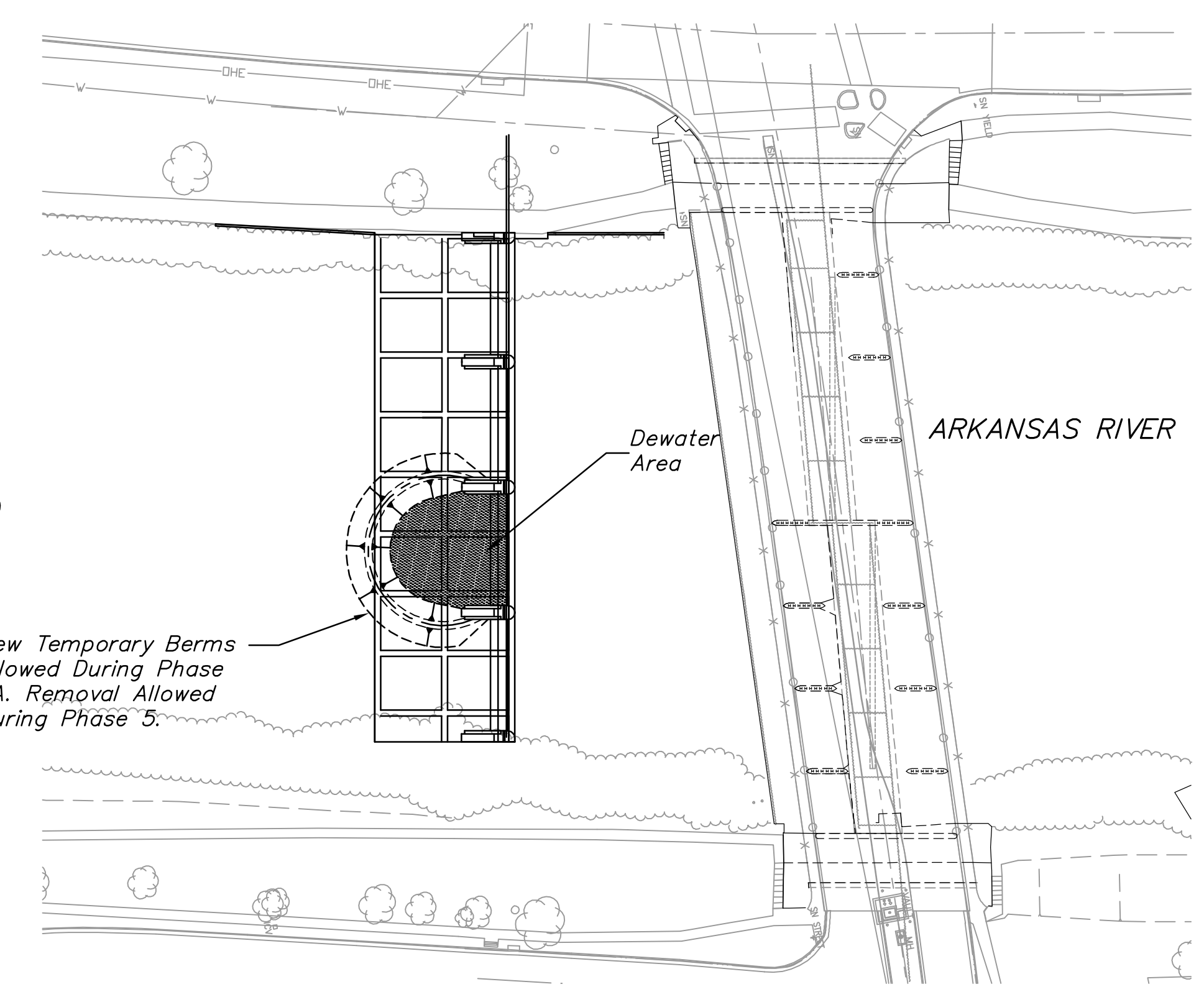
Localized dewatering may occur to allow construction of the bridge piers and the boat/fish pass as required via temporary earth berms or other approved method during Construction Phase 4A. Berms not removed by the end of Phase 4A shall remain in-place during Phase 4B and removed in Phase 5.

Temporary earth berms, turf reinforcement mat, rip-rap and turbidity curtains are all subsidiary to the bid item "Diversion and Care of the River"

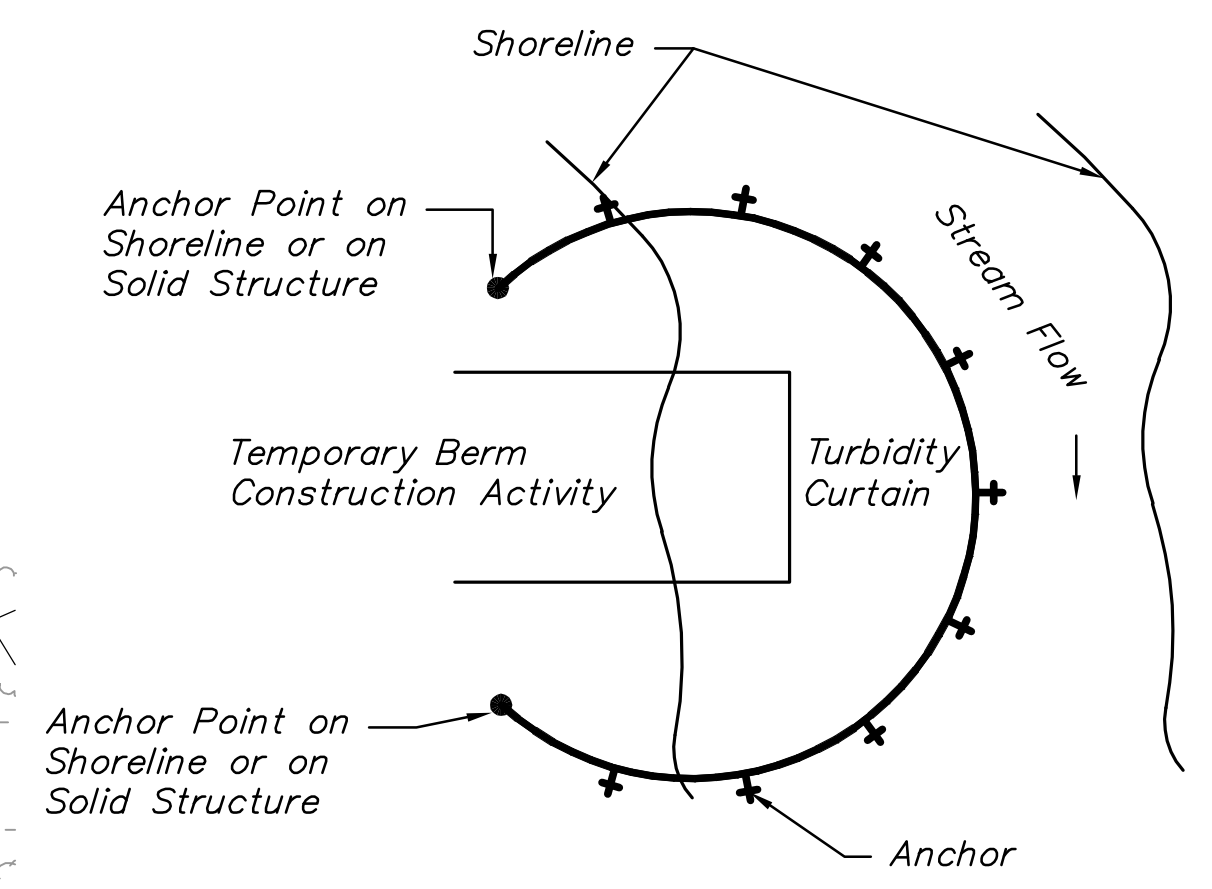
Placed concrete must be isolated from contact with the river for a minimum of two weeks. Runoff from the concrete must not be allowed to enter the river during this two week period. All work associated with this task is subsidiary to the bid item "Diversion and Care of River".



RIVER DIVERSION PLAN  
(CONSTRUCTION PHASE 2 & 3)  
No Scale



RIVER DIVERSION PLAN  
(CONSTRUCTION PHASE 4, 5)  
No Scale



TYPICAL TURBIDITY CURTAIN INSTALLATION

**LINCOLN STREET BRIDGE AND  
DAM IMPROVEMENTS OVER  
ARKANSAS RIVER**

**CONSTRUCTION PLAN**  
**PHASE 1A**  
SHEET TITLE  
472-84883  
PROJECT NUMBER

JRA  
DESIGN BY  
DPG  
DRAWN BY  
JAG  
CHECKED BY

ISSUED  
1/24/2011  
REVISED

SHEET NO.  
124 of 169

PLOTTED: Tuesday, January 25, 2011 8:58 AM

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