Information for File # MVP-2012-04564-DJM

Applicant: Washburn County Highway Department

Corps Contact: Daniel Munson

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Primary County: Washburn

Section: 13

Township: 42N

Range: 13W

Information Complete On: March 27, 2013

Posting Expires On: April 11, 2013

Authorization Type: LOP-06-WI

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act. Our jurisdictional review and final jurisdictional determination could result in modifications to the scope of the project's regulated waterbody/wetland impacts and compensatory mitigation requirements identified above. An approved jurisdictional determination will be made prior to reaching a permit decision, and will be posted on the St. Paul District web page at http://www.mvp.usace.army.mil/.

PROJECT DESCRIPTION AND PURPOSE: The Washburn County Highway Department proposes to reconstruct the Minong Flowage Dam. Currently, the dam does not meet the Wisconsin Department of Natural Resources (WDNR) dam safety requirements as stated in NR 333. More specifically, the dam cannot safely pass a 1000-year flood event. As part of the reconstruction, the applicant proposes to add a new 48-foot wide spillway on the left side of the existing structure as a means to increase spillway capacity in addition to reconstructing existing piers, walkways, hoists, endsills, and existing spillways. Reconstruction efforts would include a dewatering or draw-down

of the flowage to an elevation of 991 feet, which would be accomplished in 4 phases as shown in the attached drawings.

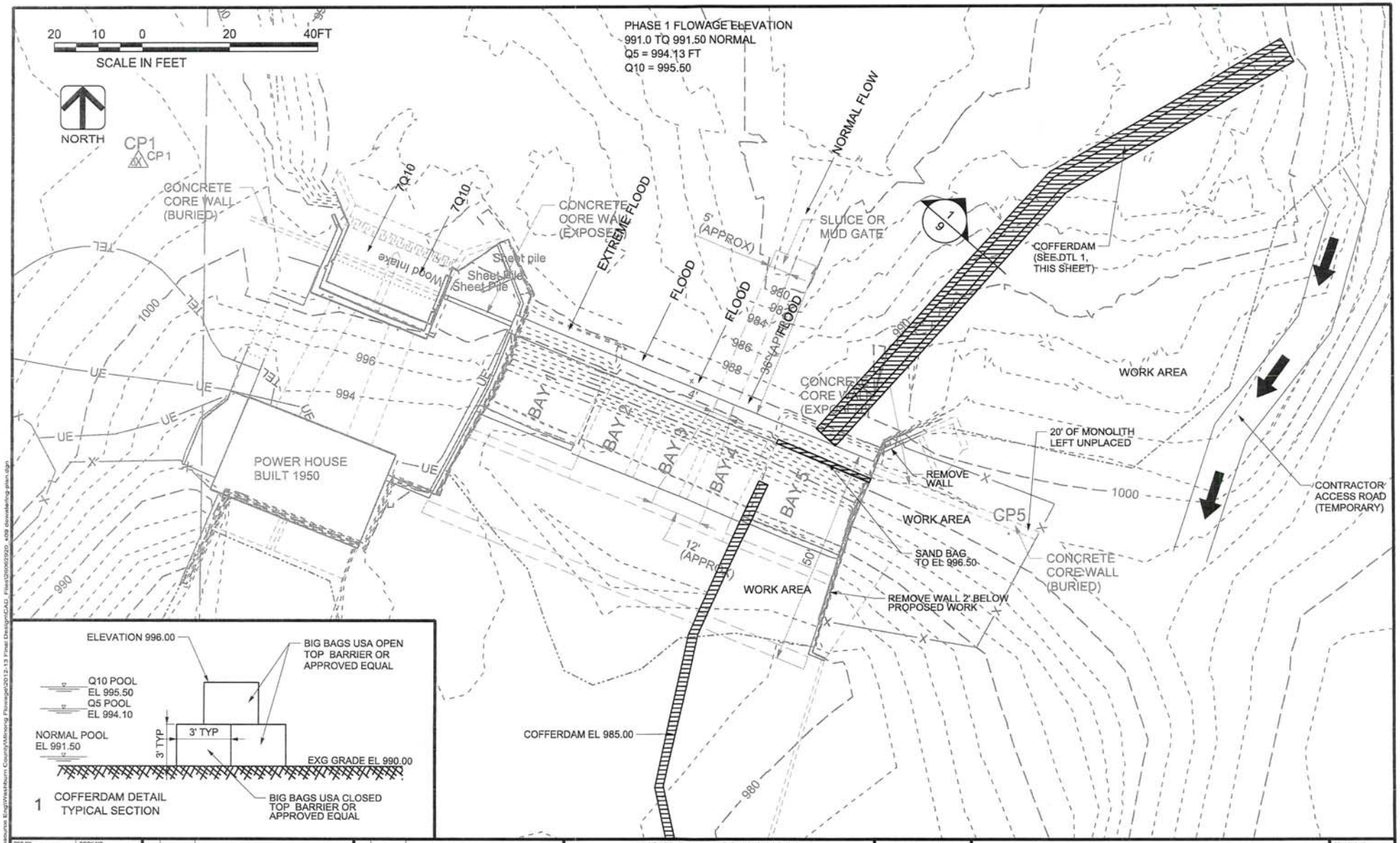
To accomplish the draw-down and the complete the construction activities, the applicant proposes to discharge fill material into approximately 0.45 acre of the Totogatic River and adjacent wetlands for the purpose of constructing access roads, retaining walls, cofferdams, and placing riprap below the ordinary high water mark as shown in the attached drawings.

NAME, AREA AND TYPES OF WATERS (INCLUDING WETLANDS) SUBJECT TO LOSS: The project would result in the unavoidable loss of approximately 345 square feet of wet meadow wetland in addition to the loss of approximately 0.44 acre of river bed. However, approximately 8,000 square feet of fill material discharged below the ordinary high water mark of the Totogatic River for the purpose of constructing cofferdams will be removed upon project completion.

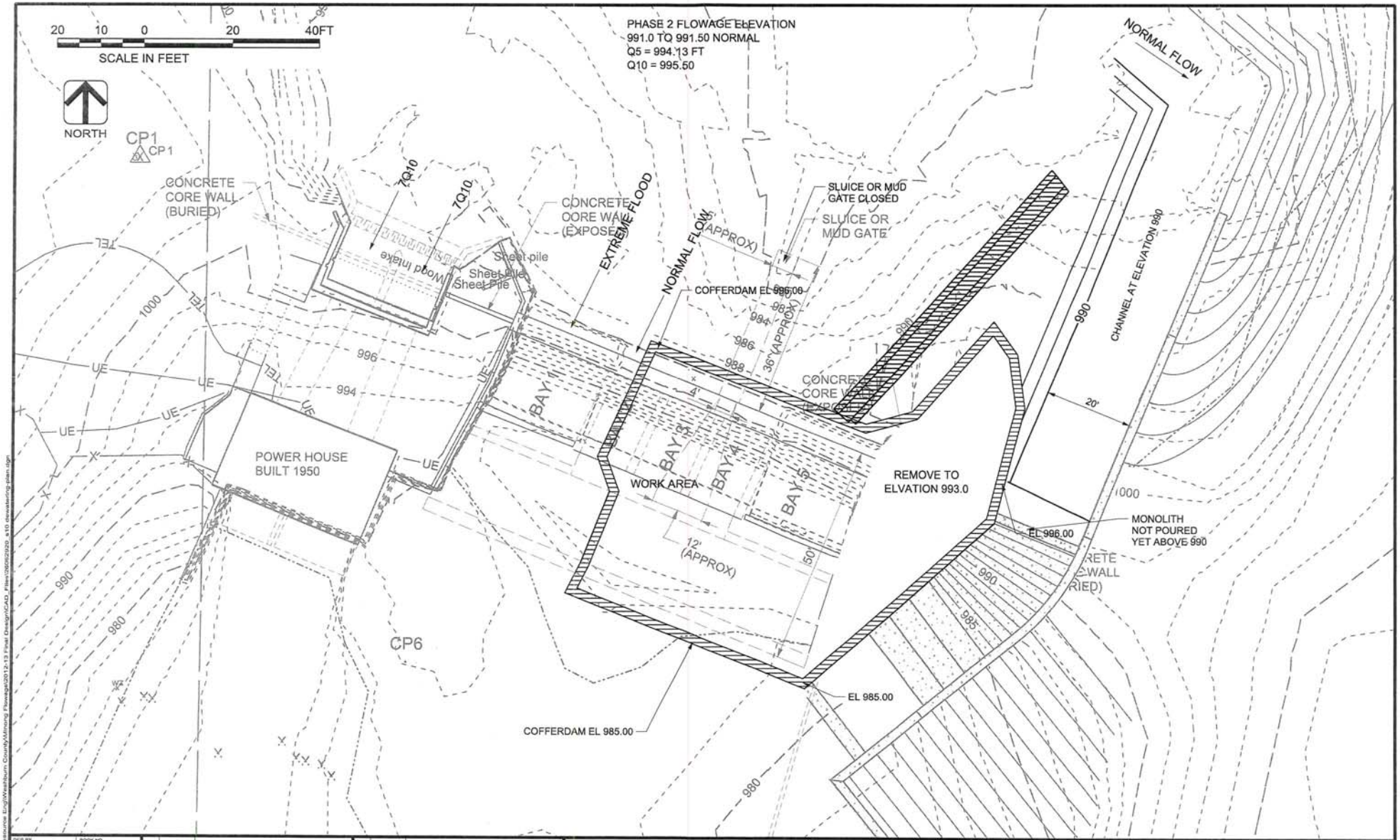
ALTERNATIVES CONSIDERED: Other alternatives were explored, such as the no-build alternative. The no-build alternative does not meet the project purpose of bringing the dam up to the WNDR dam safety requirements as stated in NR 333, which means the dam cannot safely pass the 1000-year flood resulting in potential failure of structure. Other alternatives explored were the installation of 2 additional slide gates to provide a 500-year flood capacity and also to install 4 additional slide gates to provide a 1000-year flood capacity. However, adding additional slide gates would require the purchase and relocation of homes in addition to the complete removal of the dam powerhouse, which currently provides power to local residents.

COMPENSATORY MITIGATION: The applicant has not currently provided any plans for compensatory mitigation.

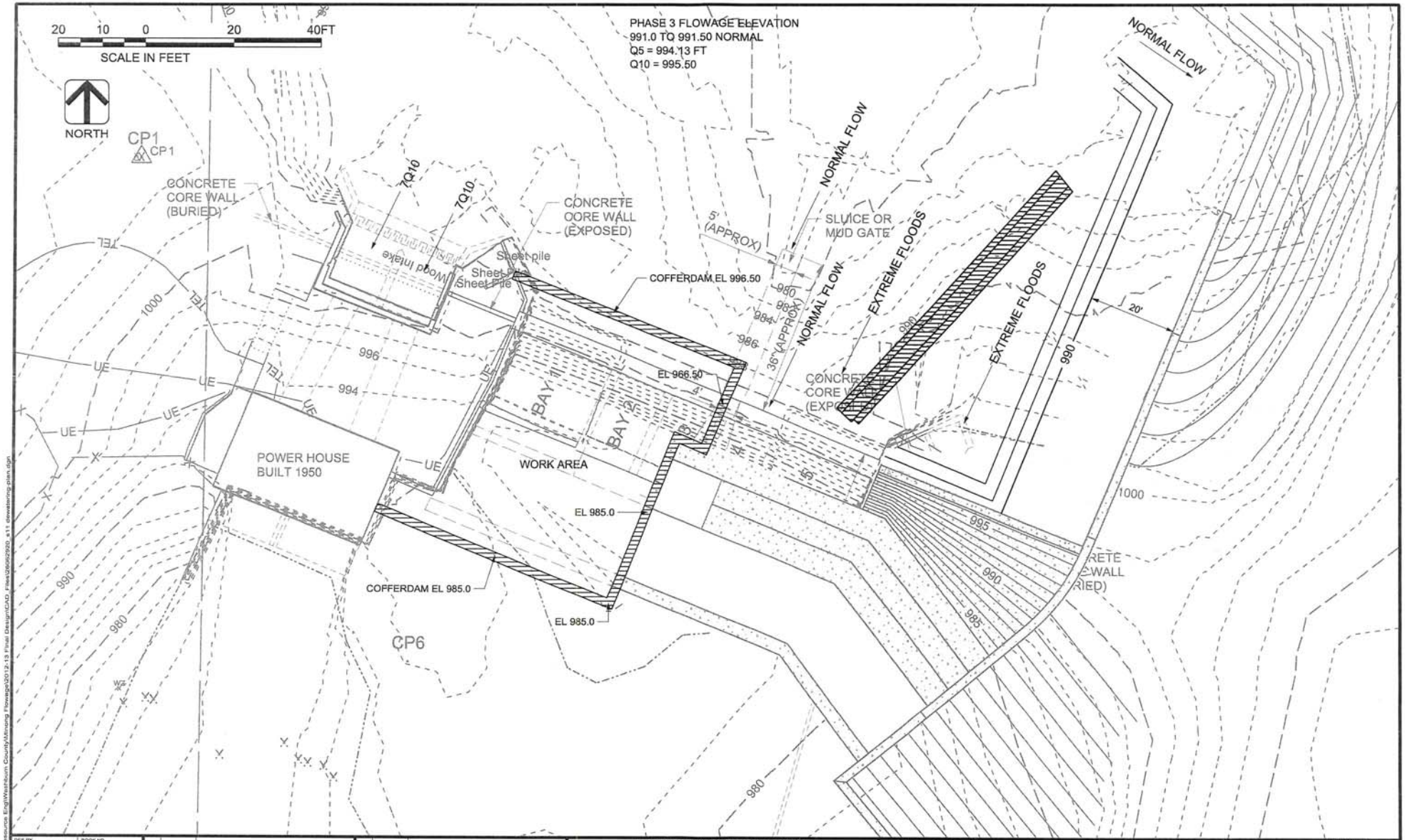
Drawings: See attached drawings labeled MVP-2012-04564-DJM, Page 1 of 6 through Page 6 of 6.



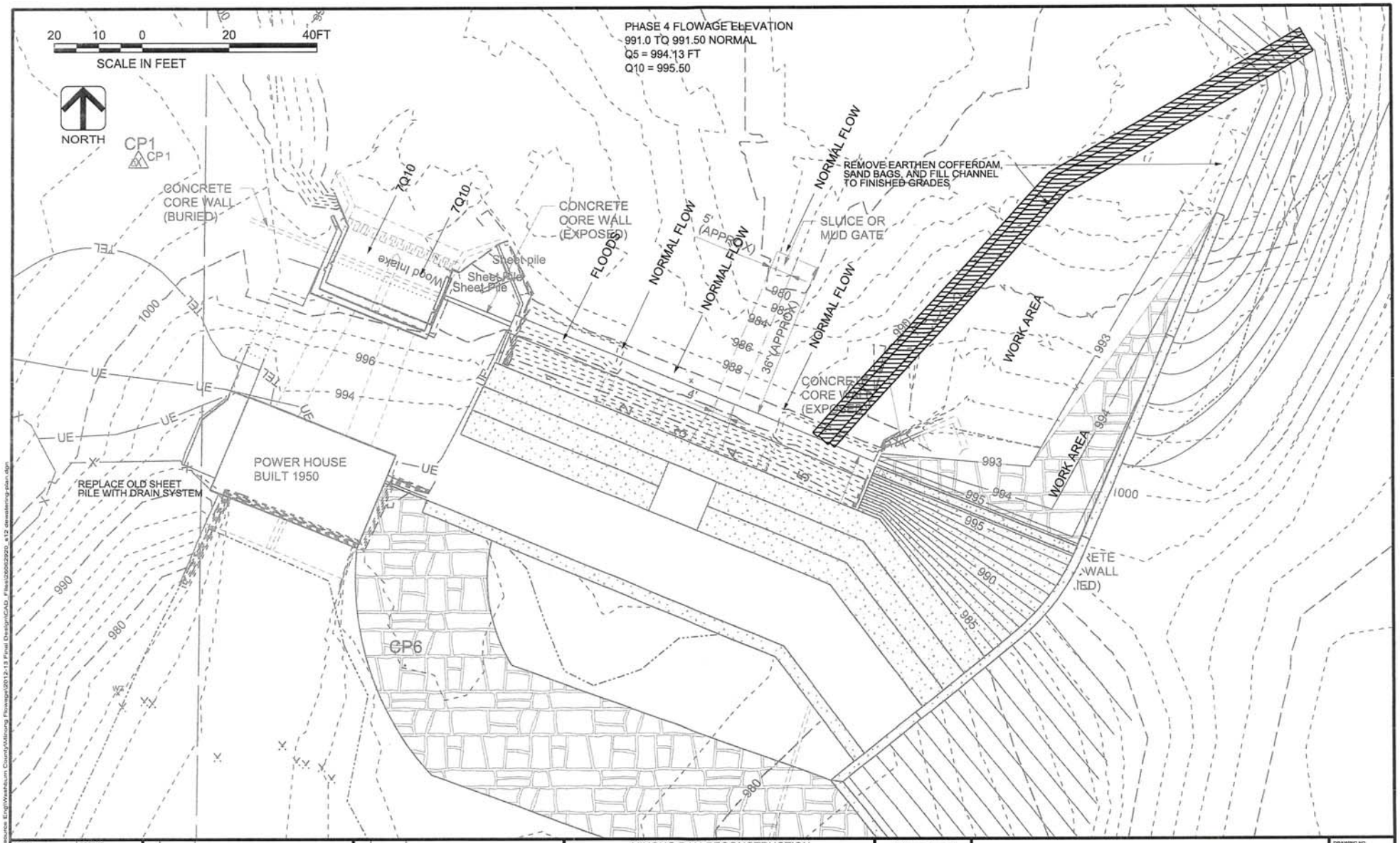
DES BY SHAMBEAU	BOOK NO	NOT - FOR - CONSTRUCTION		MINONG DAM RECONSTRUCTION WASHBURN COUNTY MINONG WISCONSIN	AYRES ASSOCIATES EAU CLAIRE, WISCONSIN	PROPOSED DEWATERING PLAN - PHASE 1	DRAWING NO 9
DR BY MEA	JOB NO 26-0629.20						
CHK BY HAUG	DATE SEPT 2012	NO DATE REVISION	NO DATE REVISION				SHEET NO



DES BY SHAMBEAU	BOOK NO	NOT - FOR - CONSTRUCTION	MINONG DAM RECONSTRUCTION WASHBURN COUNTY MINONG WISCONSIN	AYRES ASSOCIATES EAU CLAIRE, WISCONSIN	PROPOSED DEWATERING PLAN - PHASE 2
DR BY MEA	JOB NO 26-0629.20				DRAWING NO 10
CHK BY HAUG	DATE SEPT 2012	NO DATE REVISION / NO DATE REVISION			SHEET NO



DES BY SHAMBEAU DR BY MEA CHK BY HAUG	BOOK NO JOB NO 26-0629.20 DATE SEPT 2012	NOT - FOR - CONSTRUCTION NO DATE REVISION	NO DATE REVISION	MINONG DAM RECONSTRUCTION WASHBURN COUNTY MINONG WISCONSIN	AYRES ASSOCIATES EAU CLAIRE, WISCONSIN	PROPOSED DEWATERING PLAN - PHASE 3	DRAWING NO 11 SHEET NO



DES BY SHAMBEAU	BOOK NO	NOT - FOR - CONSTRUCTION		MINONG DAM RECONSTRUCTION WASHBURN COUNTY MINONG WISCONSIN	AYRES ASSOCIATES EAU CLAIRE, WISCONSIN	PROPOSED DEWATERING PLAN - PHASE 4	DRAWING NO 12
DR BY MEA	JOB NO 26-0625.25						
CHK BY HAUG	DATE SEPT 2012	NO DATE REVISION	NO DATE REVISION				SHEET NO

DES BY SHAMBEAU	BOOK NO	NOT - FOR - CONSTRUCTION			MINONG DAM RECONSTRUCTION WASHBURN COUNTY MINONG WISCONSIN	AYRES ASSOCIATES EAU CLAIRE, WISCONSIN	OVERALL PROJECT LOCATION
DR BY MEA	JOB NO 26-0626.20						DRAWING NO 3
CHK BY HAUG	DATE SEPT 2012	NO DATE REVISION	NO DATE REVISION				SHEET NO

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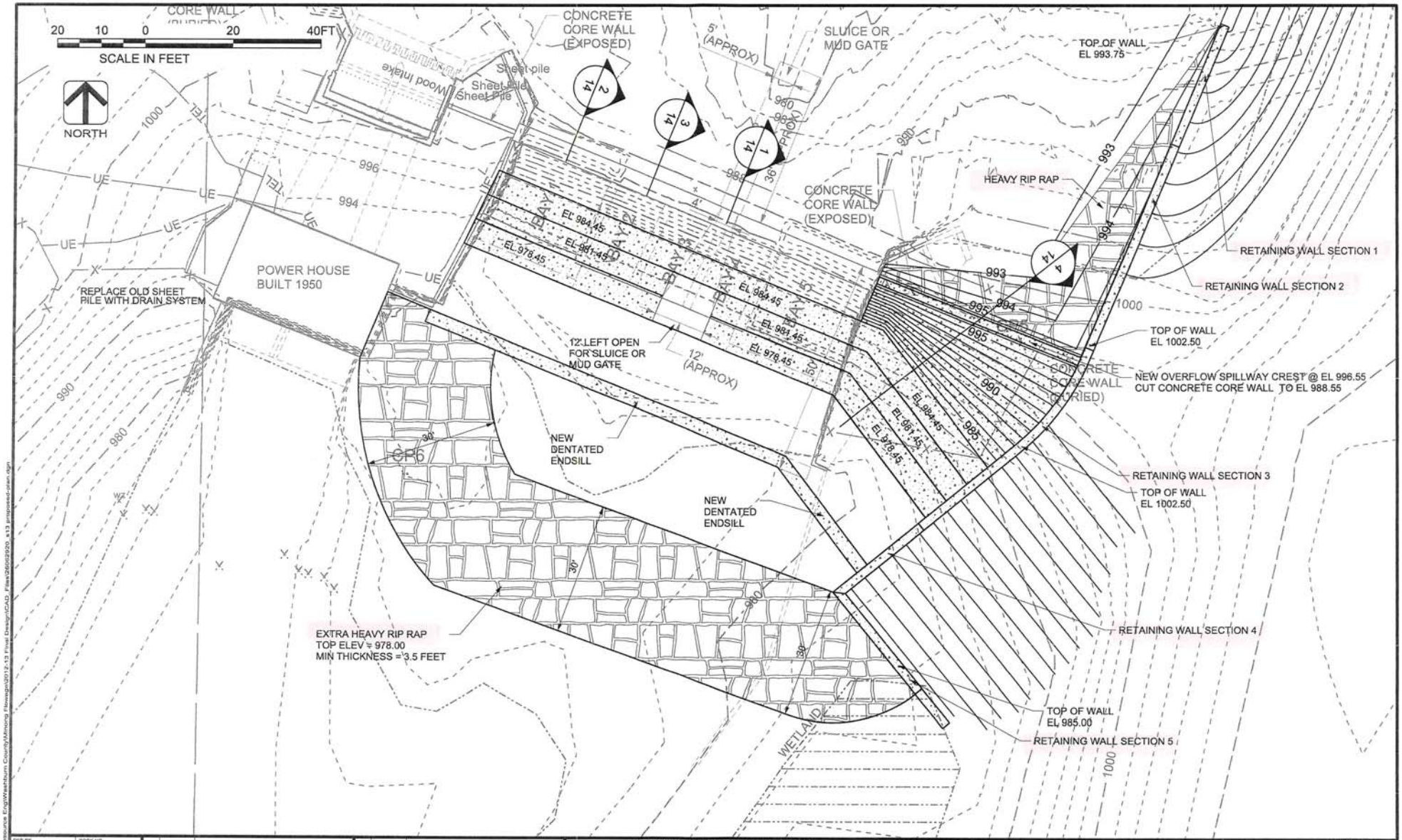

DES BY SHAMBEAU	BOOK NO	NOT - FOR - CONSTRUCTION		MINONG DAM RECONSTRUCTION WASHBURN COUNTY MINONG WISCONSIN	AYRES ASSOCIATES EAU CLAIRE, WISCONSIN	PROPOSED DAM PLAN VIEW	DRAWING NO 13
DR BY MEA	JOB NO 26-0629.20						
CHK BY HAUG	DATE SEPT 2012	NO DATE REVISION	NO DATE REVISION				SHEET NO