

**US Army Corps
of Engineers®**

BOULANGER BEND CHANNEL MODIFICATIONS
MISSISSIPPI RIVER
UMR-MVP-POOL 2
HASTINGS, MN

JANUARY 2016

PRELIMINARY DRAWING - NOT FOR CONSTRUCTION



**US Army Corps
of Engineers®**

[illegible]

U.S. ARMY CORPS OF ENGINEERS ST. PAUL DISTRICT ST. PAUL, MINNESOTA	DESIGNED BY: EPP	DATE:
	DWN BY: CHD BY: GOW EPP	SOLICITATION NO.:
	SUBMITTED BY:	CONTRACT NO.:
	PLOT SCALE: PLOT DATE: N.T.S. 1/23/2017	FILE NUMBER:
	SIZE: FILE NAME:	

DOWNER POOL 2 - SPRING LAKE
MISSISSIPPI RIVER
MISSISSIPPI RIVER - POOL 2
HASTINGS, MN
COVER SHEET

Sheet
ID
G-001

THE NAMES BELOW INDICATE THE OFFICIALS THAT ORIGINALLY SIGNED THIS SET OF DRAWINGS. THIS DRAWING HAS SINCE BEEN REVISED AND REPLOTTED. NEW SIGNATURES WERE NOT OBTAINED.

THIS PROJECT WAS DESIGNED BY THE ST. PAUL DISTRICT CORPS OF ENGINEERS. THE INITIALS OR SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER 1110-1-8152. SIGNATURES INDICATE OFFICIAL RECOMMENDATION OF ALL DRAWINGS IN THIS SET.

APPROVED BY:

MICHAEL J. BART		
CHIEF	ENGR & CONST	DIVISION

APPROVAL RECOMMENDED BY:

THOMAS SULLY

CHIEF	EC-D	BRANCH
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NEIL T. SCHWANZ

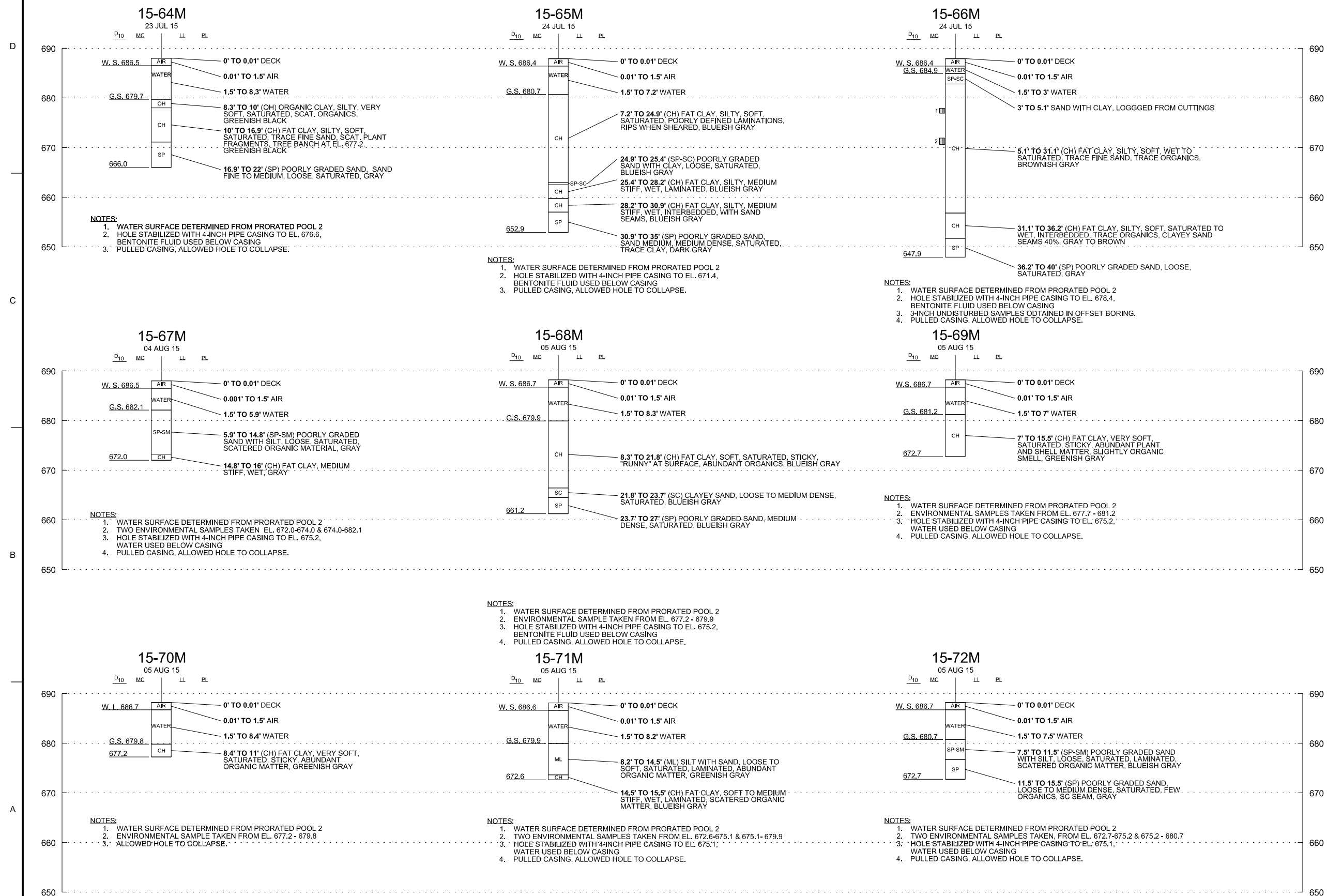
CHIEF	EC-G	BRANCH
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MICHAEL R. KNOFF		
CHIEF	EC-H	BRANCH

XXX
PROJECT MANAGER



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A
B
C
D

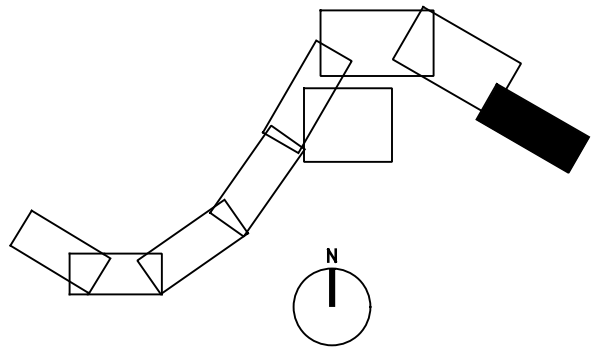
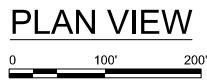
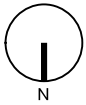
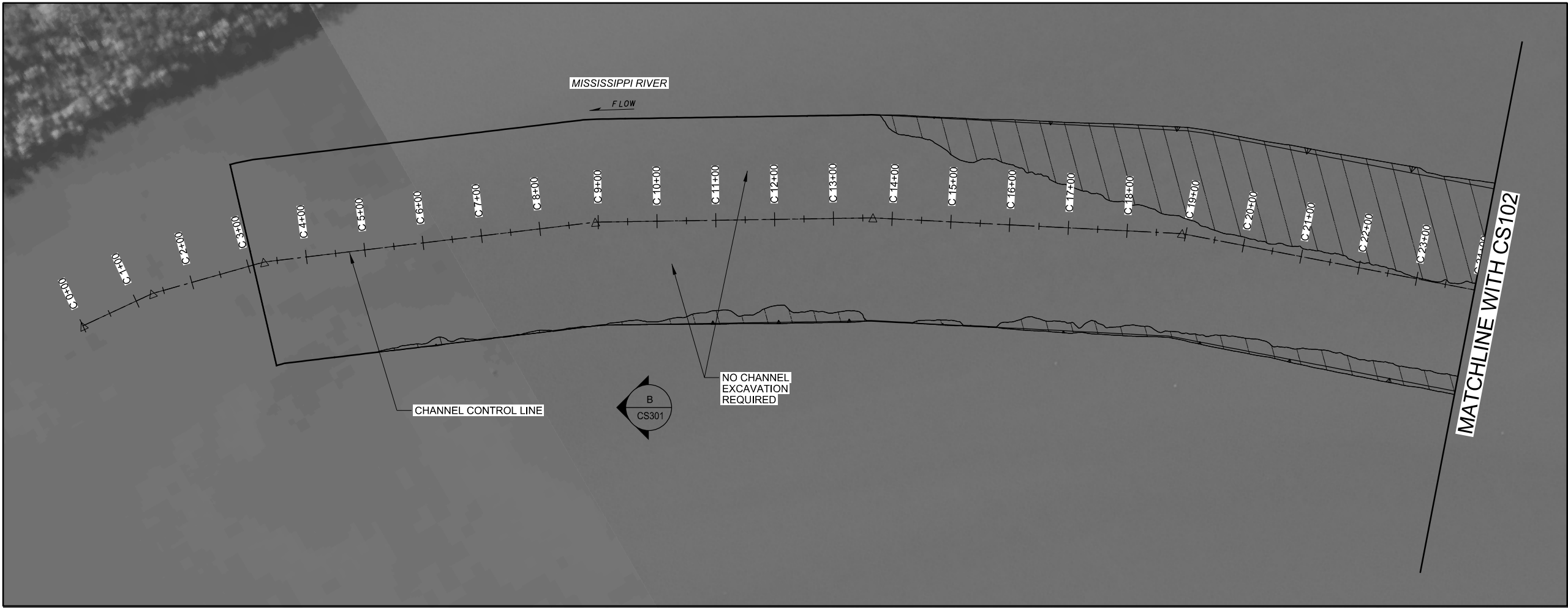
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PRELIMINARY DRAWING - NOT FOR CONSTRUCTION

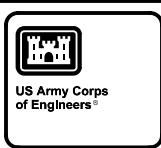
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MN SPCS, SOUTH ZONE-U.S. SURVEY FT.
GEOD12B COMBINED FACTOR (CF): 0.9999046797

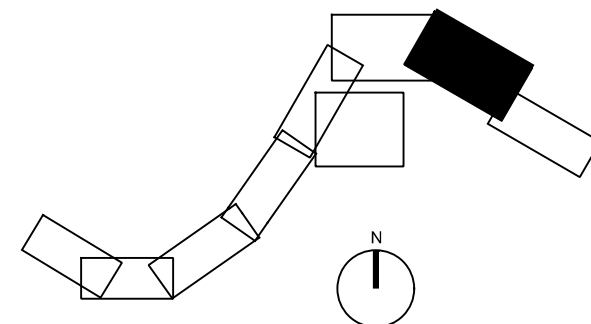
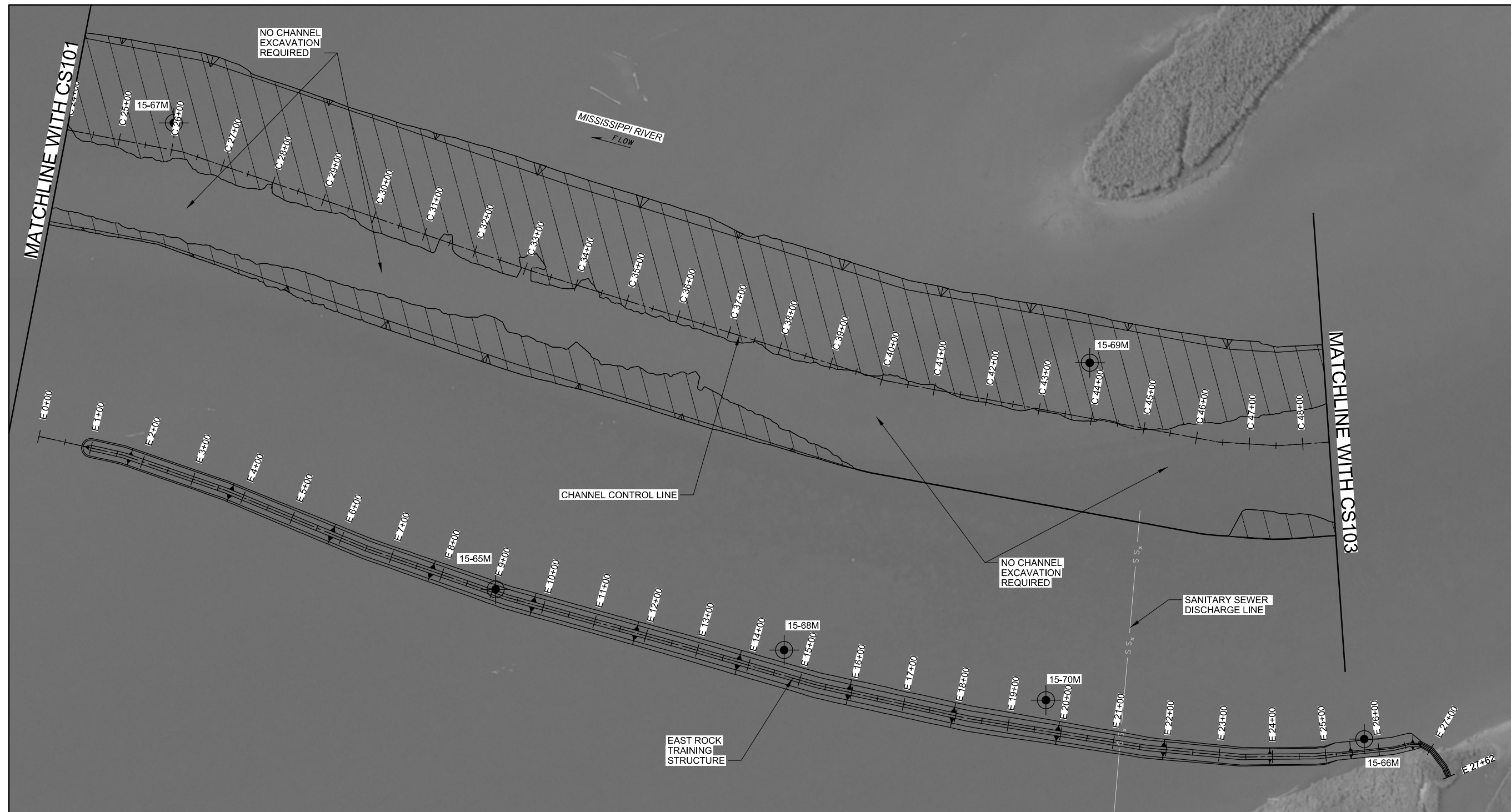
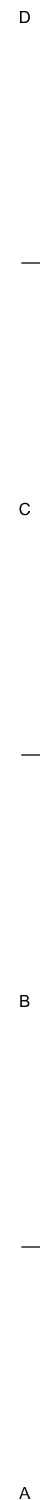
LOWER POOL 2 - SPRING LAKE
MISSISSIPPI RIVER
MISSISSIPPI RIVER - POOL 2
HASTINGS, MN
CHANNEL PLAN VIEW

Sheet
ID
CS101

DESIGNED BY: JAN JAN	DATE:	SOLICITATION NO.:
U.S. ARMY CORPS OF ENGINEERS		
ST. PAUL DISTRICT		
ST. PAUL, MINNESOTA		
SUBMITTED BY: THOMAS B SULLY	CONTRACT NO.:	
FILE NAME:	FILE NUMBER:	
SIZE:		
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MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.





PRELIMINARY DRAWING - NOT FOR CONSTRUCTION

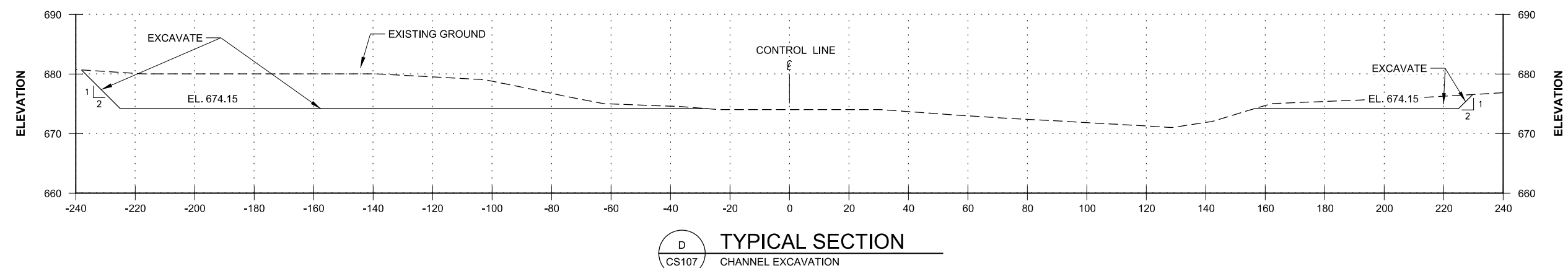
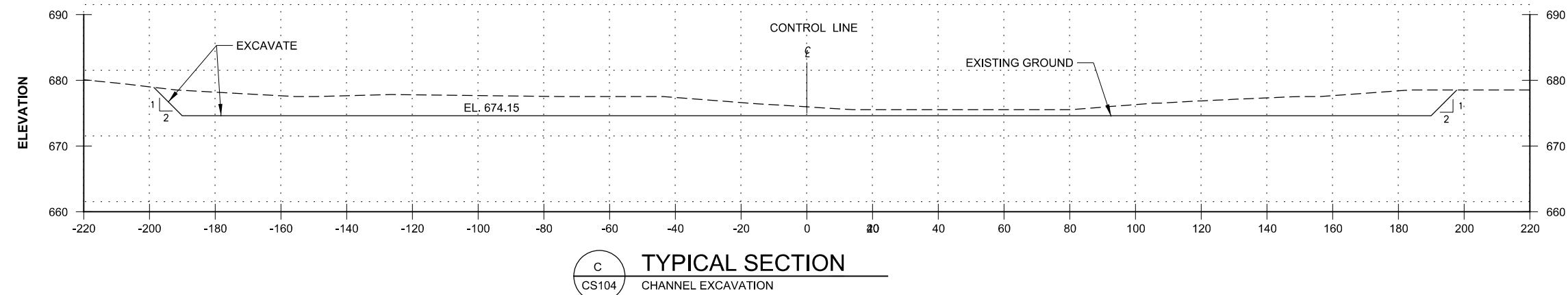
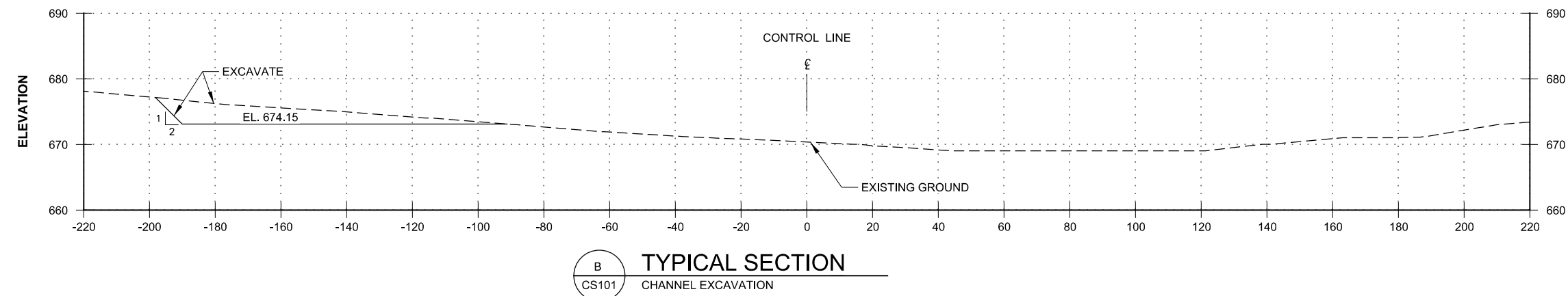
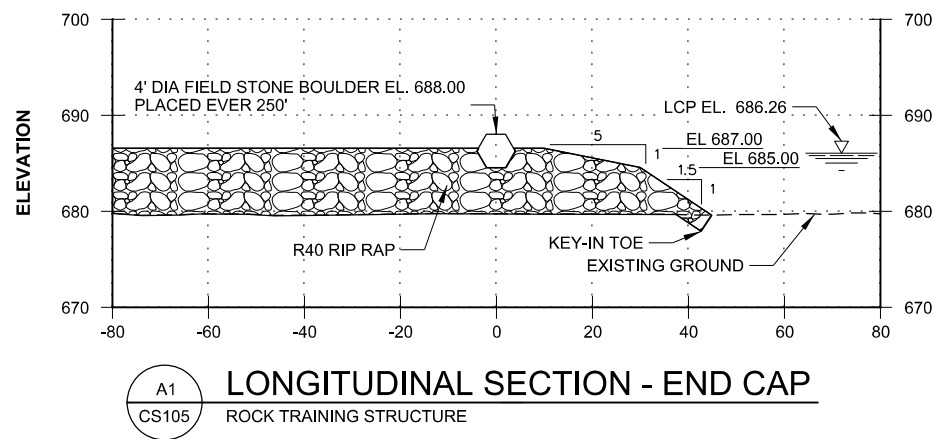
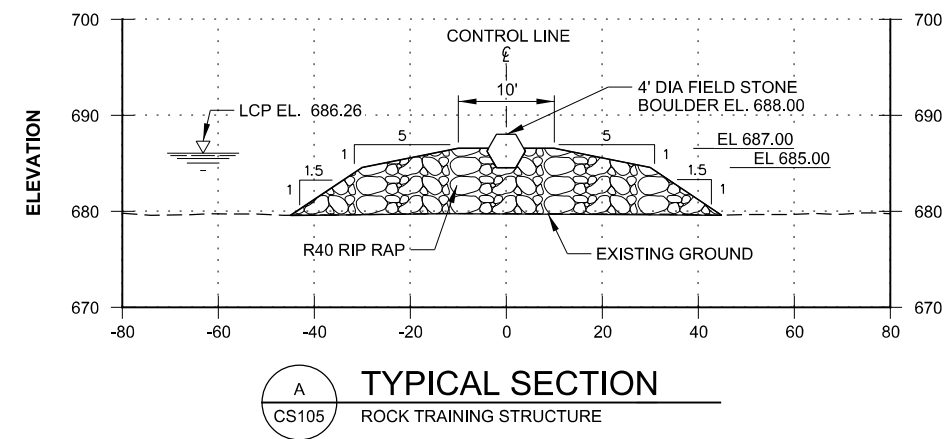
ELEVATION DATUM (VERTICAL CONTROL):
NAVD 88
COORDINATE SYSTEM (HORIZONTAL CONTROL):
NAD 83 (2007)
MN SPCS SOUTH ZONE-U.S. SURVEY FT.
COMBINED FACTOR (CF): 0.9999046797

OWER POOL 2 - SPRING LAKE
MISSISSIPPI RIVER
MISSISSIPPI RIVER - POOL 2
HASTINGS, MN
CHANNEL PLAN VIEW

Sheet
ID
CS102

U.S. ARMY CORPS OF ENGINEERS		DESIGNED BY:	DATE:
ST. PAUL DISTRICT		DWN BY:	SOLICITATION NO.:
ST. PAUL, MINNESOTA		GCW	CONTRACT NO.:
		SUBMITTED BY:	
		THOMAS & SULLY	
		PLOT SCALE:	FILE NUMBER:
		1" = 100'	
		1/26/2017	
		FILE NAME:	
		SIZE:	
		1/26/2017	

[illegible]



PRELIMINARY DRAWING - NOT FOR CONSTRUCTION



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ST. PAUL DISTRICT ST. PAUL, MINNESOTA	DRAWN BY: EPF	GRID BY: GCM	SOLICITATION NO.:
	SUBMITTED BY: THOMAS H SULLY		CONTRACT NO.:
	PILOT SCALE:	PILOT DATE:	FILE NUMBER:
	1" = 10'	1/23/2017	
	SIZE:	FILE NAME:	
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MISSISSIPPI RIVER
MISSISSIPPI RIVER - POOL 2
HASTINGS, MN

TYPICAL SECTIONS AND DIMENSIONS
EAST AND WEST ISLANDS

Sheet
ID
CS301

ELEVATION DATUM (VERTICAL CONTROL): NAVD 88
 COORDINATE SYSTEM (HORIZONTAL CONTROL): NAD 83 (2007)
 GEOID

COMBINED FACTOR (CF): 0.9999046797

Plate 24