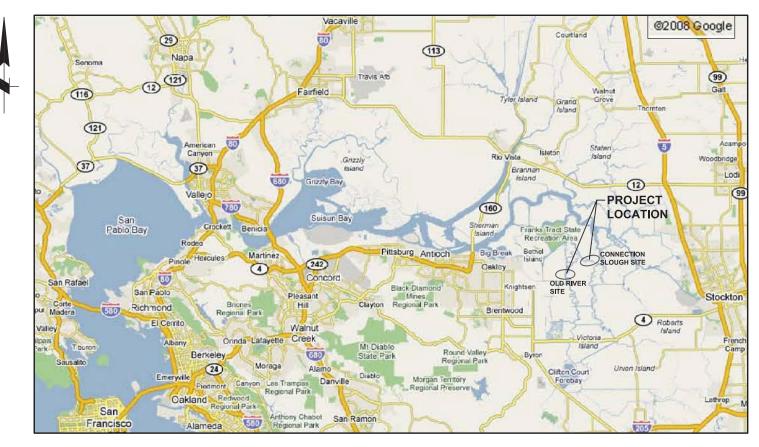
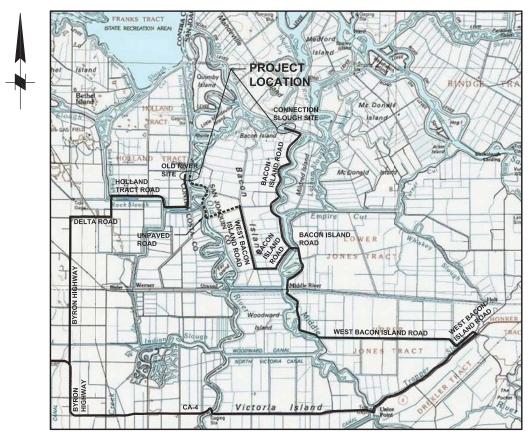
90% Design Plans for Old River Site

TWO GATE FISH PROTECTION PLAN

BACON ISLAND, CALIFORNIA





LOCATION MAP

VICINITY MAP

TECHNICAL REVIEWERS

SWC STATE WATER CONTRACTORS

(INSERT NAME)

STRUCTURAL

(INSERT NAME)

(INSERT NAME)

(INSERT NAME)

MECHANICAL

(INSERT NAME)

APPROVED

DENNIS G. MAJORS

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REVISION	DESCRIPTION	BY	DATE			2001 N Maii	n Street, Suite 360		DATE 12/09/08
				1			, California 94596	TWO GATE FISH PROTECTION PLAN	12,00,00
				-	Moffatt & Nic	(925) 944–5411		SHEET 1 OF 65
				1				_	
				-	DSGN TDB	DR AB	GTH	TITLE SHEET	G1
				4	JOB NO.	SUBMITTED BY	TITLE	1 11122 311221	J ~ .
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GENERAL NOTES

BATHYMETRY SURVEYED BY ENVIRONMENTAL DATA SOLUTIONS ON JUNE 23, 2008 AND REPRESENTS CONDITIONS ON THAT DATE.

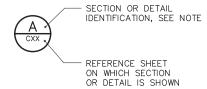
VERTICAL DATUM

PROJECT ELEVATIONS ARE BASED ON NAVD'88.

HORIZONTAL DATUM

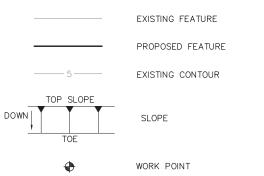
PROJECT COORDINATES ARE BASED ON THE CALIFORNIA STATE PLANE COORDINATE SYSTEM NAD 1983, ZONE 3.

CROSS-REFERENCE LEGEND



NOTE: LETTER INDICATES SECTION; NUMBER INDICATES DETAIL. WHERE THERE IS NO REFERENCE
SHEET INDICATED, IT MEANS
THE DETAIL OR SECTION IS
TAKEN AND SHOWN ON THE

LEGEND



<u>ABBRE</u>	<u> VIATIONS</u>
&	AND
#	NUMBER
%	PERCENT
APPROX	APPROXIMATE
ASTM	ASTM INTERNATIONAL
AWPA	AMERICAN WOOD PRESERVATION ASSOCIATION
Q.	CENTER LINE
CIP	CAST-IN-PLACE
CLR	CLEAR
CONC	CONCRETE
CONT	CONTINUOUS
DIA, Ø	DIAMETER
DWG	DRAWING
E	EAST
(E)	EXISTING
EL	ELEVATION
EJ	EXPANSION JOINT
FG	FINISH GRADE
Н	HORIZONTAL
HD	HEAD
HDPE	HIGH DENSITY POLYETHYLENE
HW	HIGH WATER
ID	INSIDE DIAMETER
LW	LOW WATER
MAX	MAXIMUM
MIN	MINIMUM
MLLW	MEAN LOWER LOW WATER
N	NORTH
NAD	NORTH AMERICAN DATUM
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OG	ORIGINAL GROUND
OPP	OPPOSITE
REINF	REINFORCEMENT
SCH	SCHEDULE
SIM	SIMILAR
STD	STANDARD
SYMM	SYMMETRICAL
TYP	TYPICAL
UHMW	ULTRA HIGH MOLECULAR WEIGHT
UON	UNLESS OTHERWISE NOTED
٧	VERTICAL
VC	VERTICAL CURVE
WP	WORK POINT
W/	WITH

INDEX OF DRAWINGS

SHEET NUMBER	DRAWNG NUMBER	DESCRIPTION		
		<u>GENERAL</u>		
1	G1	TITLE SHEET		
2	G2	INDEX OF DRAWINGS, ABBREVIATIONS, LEGEND AND GENERAL NOTES		
3	G3	PROJECT GENERAL PLAN		
		OLD RIVER		
4	C1	OLD RIVER SITE PLAN		
5	C2	OLD RIVER DREDGING PLAN & SECTION		
6	C3	OLD RIVER BARGE PREPARED BED		
7	C4	OLD RIVER APPROACH RAMP PLAN AND SECTIONS		
8	C5	OLD RIVER SHEET PILE WALL ARRANGEMENT PLAN AND ELEVATION, SHEET 1		
9	C6	OLD RIVER SHEET PILE WALL ARRANGEMENT PLAN AND ELEVATION, SHEET 2		
10	C7	OLD RIVER BOAT RAMP PLAN AND SECTIONS, SHEET 1		
11	C8	OLD RIVER BOAT RAMP PLAN AND SECTIONS, SHEET 2		
12	C9	OLD RIVER BOAT RAMP PLAN AND SECTIONS, SHEET 3		
13	C10	OLD RIVER BOAT RAMP PLAN AND SECTIONS, SHEET 4		
14	C11	OLD RIVER CATWALK PLAN AND ELEVATION, SHEET 1		
15	C12	OLD RIVER CATWALK PLAN AND ELEVATION, SHEET 2		
16	C13	OLD RIVER ELECTRICAL SITE PLAN		
17	C14	OLD RIVER BARGE GENERAL ARRANGEMENT PLAN		
18	C15	OLD RIVER BARGE GENERAL ARRANGEMENT ELEVATION		
19	C16	OLD RIVER GATE SCANTLINGS		
20	C17	OLD RIVER GATE FRAMING LAYOUT		
21	C18	OLD RIVER END WALL SCANTLINGS		
22	C19	OLD RIVER AIDS TO NAVIGATION PLAN		
23	C20	OLD RIVER TEMPORARY REMOVAL PLAN		
24	C21	OLD RIVER PERMANENT REMOVAL PLAN		
		CONNECTION SLOUGH		
25	C31	CONNECTION SLOUGH SITE PLAN		
26	C32	CONNECTION SLOUGH DREDGING - PLAN & SECTION		
27	C33	CONNECTION SLOUGH BARGE PREPARED BED		
28	C34	CONNECTION SLOUGH APPROACH RAMP PLAN AND SECTIONS		
29	C35	CONNECTION SLOUGH SHEET PILE WALL ARRANGEMENT PLAN AND ELEVATION		
30	C36	CONNECTION SLOUGH BOAT RAMP PLAN AND SECTIONS, SHEET 1		
31	C37	CONNECTION SLOUGH BOAT RAMP PLAN AND SECTIONS, SHEET 2		
32	C38	CONNECTION SLOUGH BOAT RAMP PLAN AND SECTIONS, SHEET 3		
33	C39	CONNECTION SLOUGH BOAT RAMP PLAN AND SECTIONS, SHEET 4		
34	C40	CONNECTION SLOUGH CATWALK - PLAN AND ELEVATION		

SHEET NUMBER	DRAWING NUMBER	DESCRIPTION		
35	C41	CONNECTION SLOUGH ELECTRICAL SITE PLAN		
36	C42	CONNECTION SLOUGH BARGE GENERAL ARRANGEMENT PLAN		
37	C43	CONNECTION SLOUGH BARGE GENERAL ARRANGEMENT ELEVATION		
38	C44	CONNECTION SLOUGH GATE SCANTLINGS		
39	C45	CONNECTION SLOUGH GATE FRAMING LAYOUT		
40	C46	CONNECTION SLOUGH END WALL SCANTLINGS		
41	C47	CONNECTION SLOUGH AIDS TO NAVIGATION PLAN		
42	C48	CONNECTION SLOUGH TEMPORARY REMOVAL PLAN		
43	C49	CONNECTION SLOUGH PERMANENT REMOVAL PLAN		
		COMMON DETAILS		
44	C61	GATE STRUCTURAL DETAILS, SHEET 1		
45	C62	GATE STRUCTURAL DETAILS, SHEET 2		
46	C63	SHEET PILE WALL DETAILS, SHEET 1		
47	C64	SHEET PILE WALL DETAILS, SHEET 2		
48	C65	BOAT RAMP PLAN AND SECTIONS		
49	C66	BOAT RAMP DETAILS		
50	C67	BOARDING FLOAT PLAN & ELEVATION		
51	C68	BOARDING FLOAT DETAILS		
52	C69	CATWALK DETAILS, SHEET 1		
53	C70	CATWALK DETAILS, SHEET 2		
54	C71	CATWALK DETAILS, SHEET 3		
55	C72	CATWALK DETAILS, SHEET 4		
56	C73	GATE MECHANICAL DETAILS, SHEET 1		
57	C74	GATE MECHANICAL DETAILS, SHEET 2		
58	C75	AIDS TO NAVIGATION DETAILS, SHEET 1		
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60	C77	UTILITY YARD DETAILS		
61	C78	OPERATOR HOUSE EQUIPMENT AND DETAILS		
62	C79	ELECTRICAL SYSTEM DIAGRAM		
63	C80	HYDRAULICS SYSTEM DIAGRAM		
64	C81	DREDGED MATERIAL DISPOSAL SITE		
65	C82	MISCELLANEOUS DETAILS		

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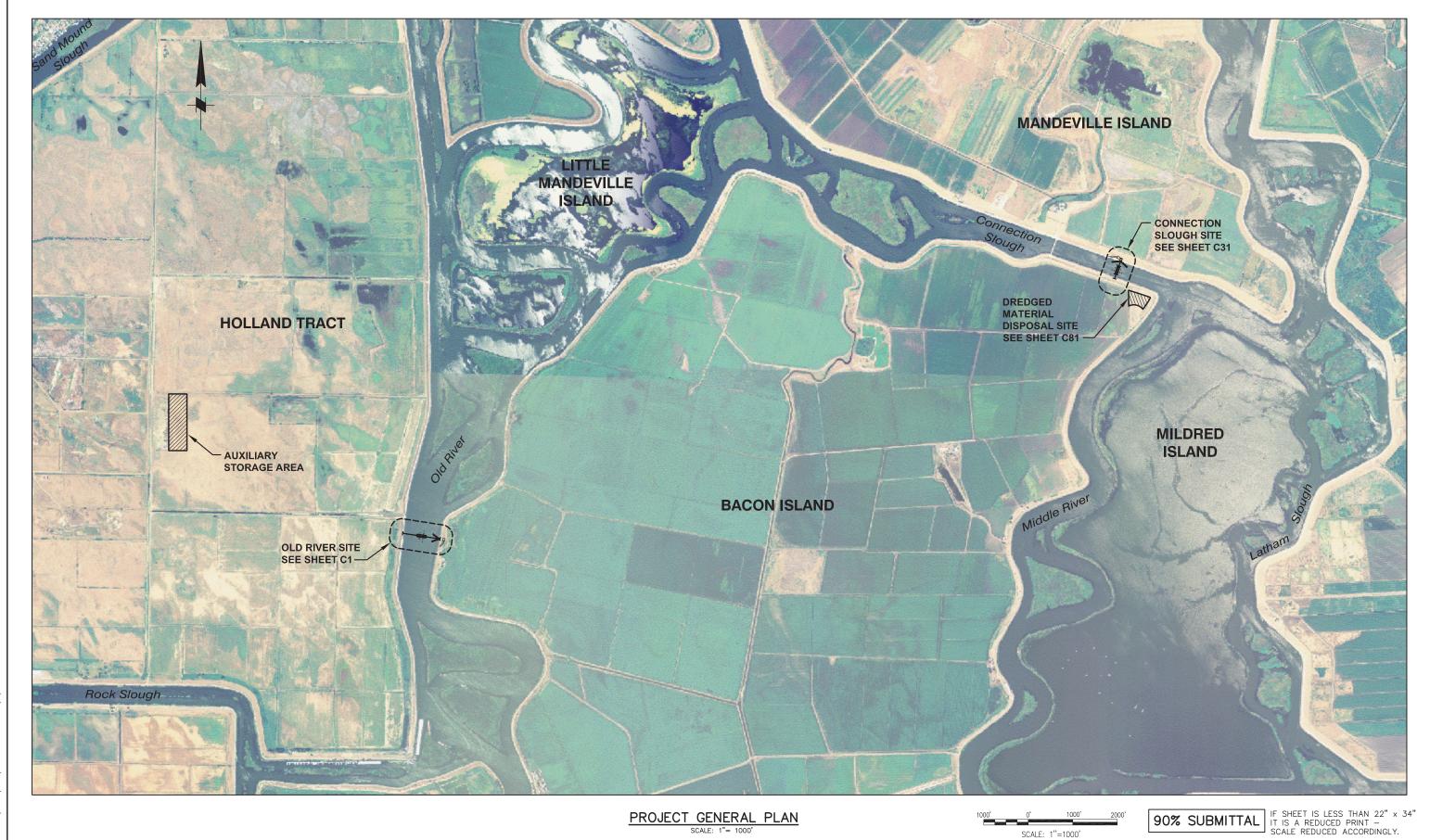
2001 N. Main	Street, Suite 360
	California 94596 944-5411
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	INDEX OF DRAWINGS ABBREVIATIONS, LEGEND AND
	GENERAL NOTES

		G	i2		
N	SHEET	2	OF	65	
	DATE	12/	09/	80	

SCALE REDUCED ACCORDINGLY. TWO GATE FISH PROTECTION PLAN



REVISION

DESCRIPTION

BY

DATE

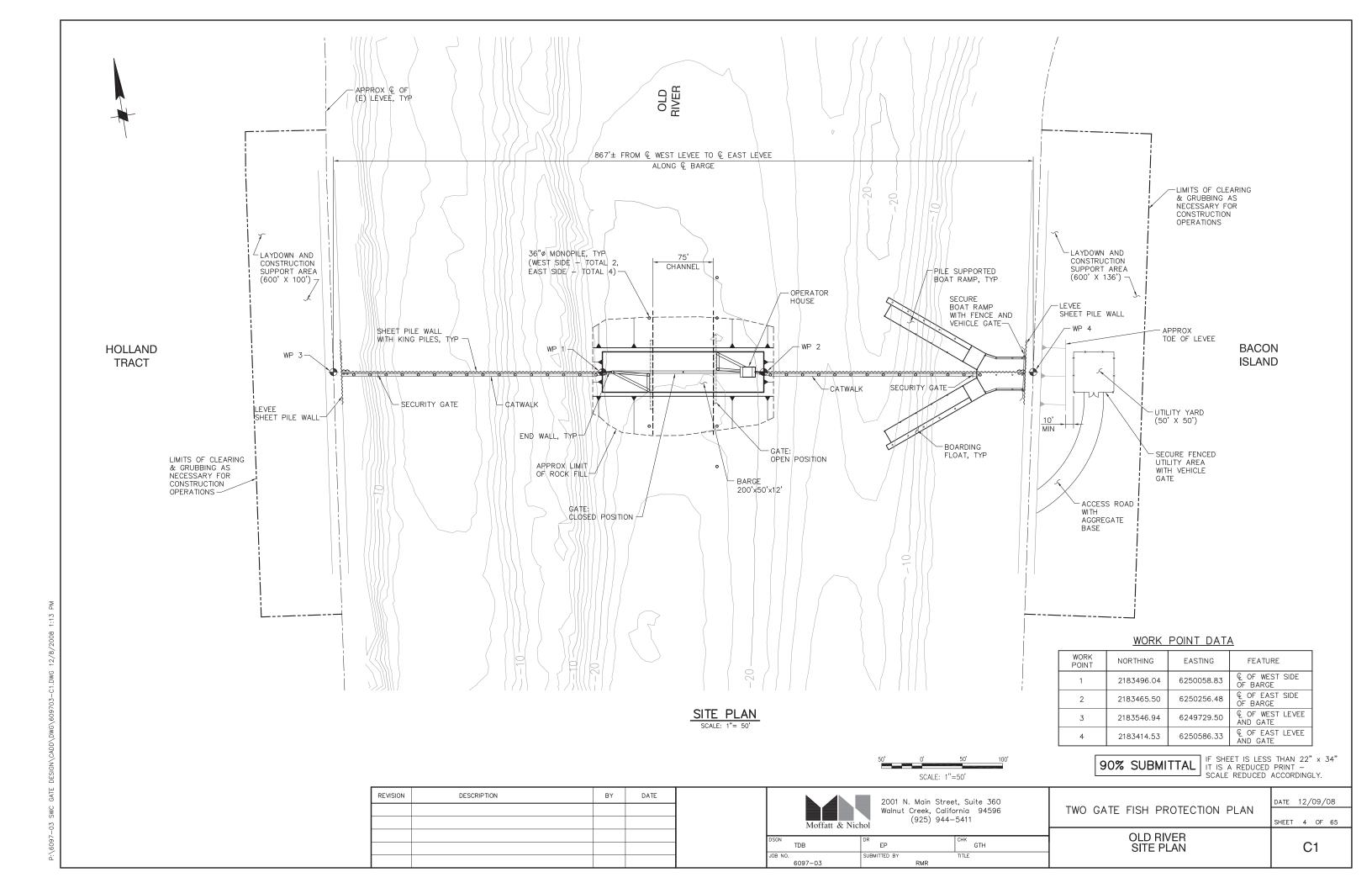
2001 N. Main Street, Suite 360 Walnut Creek, California 94596 (925) 944-5411

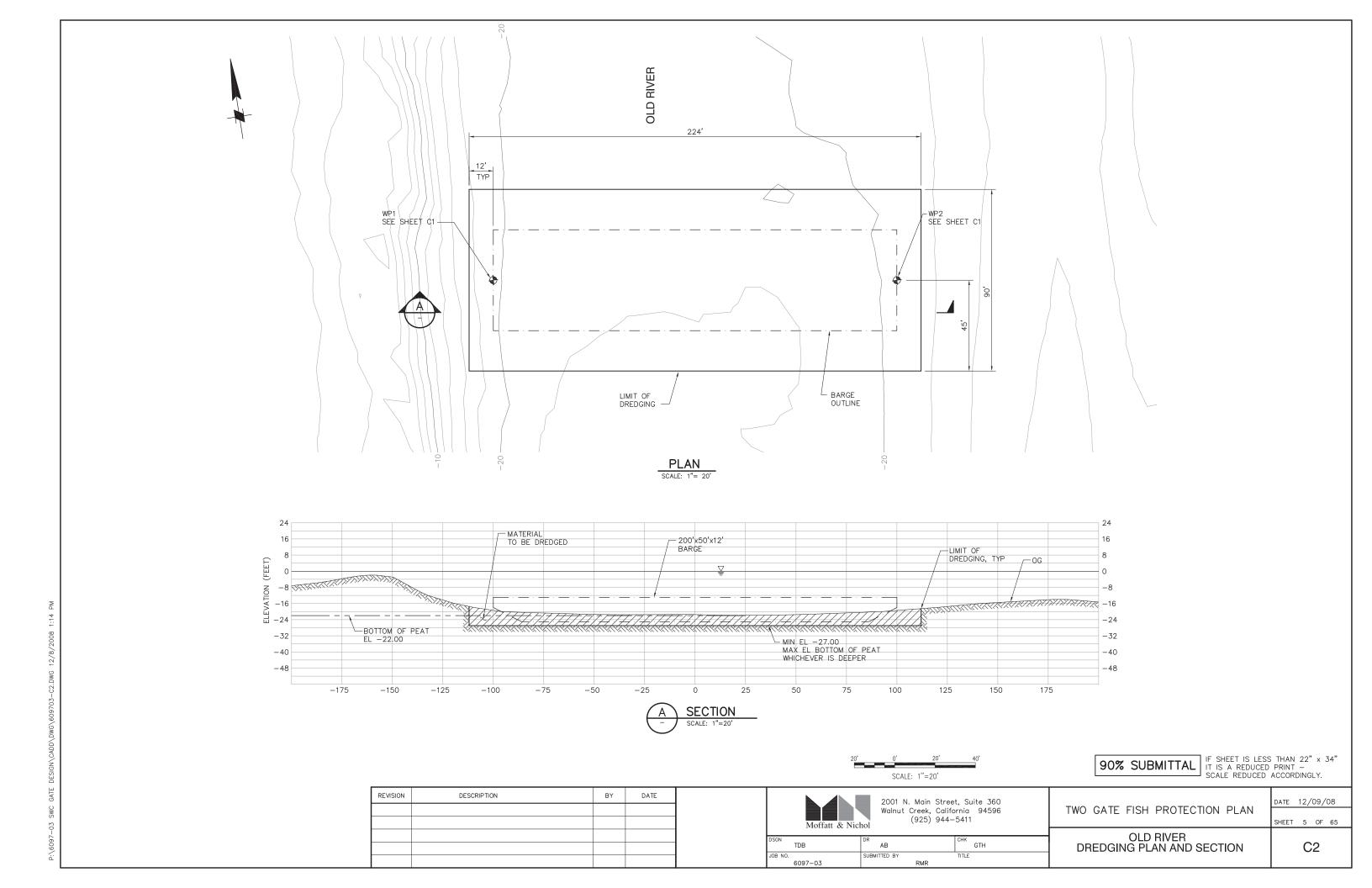
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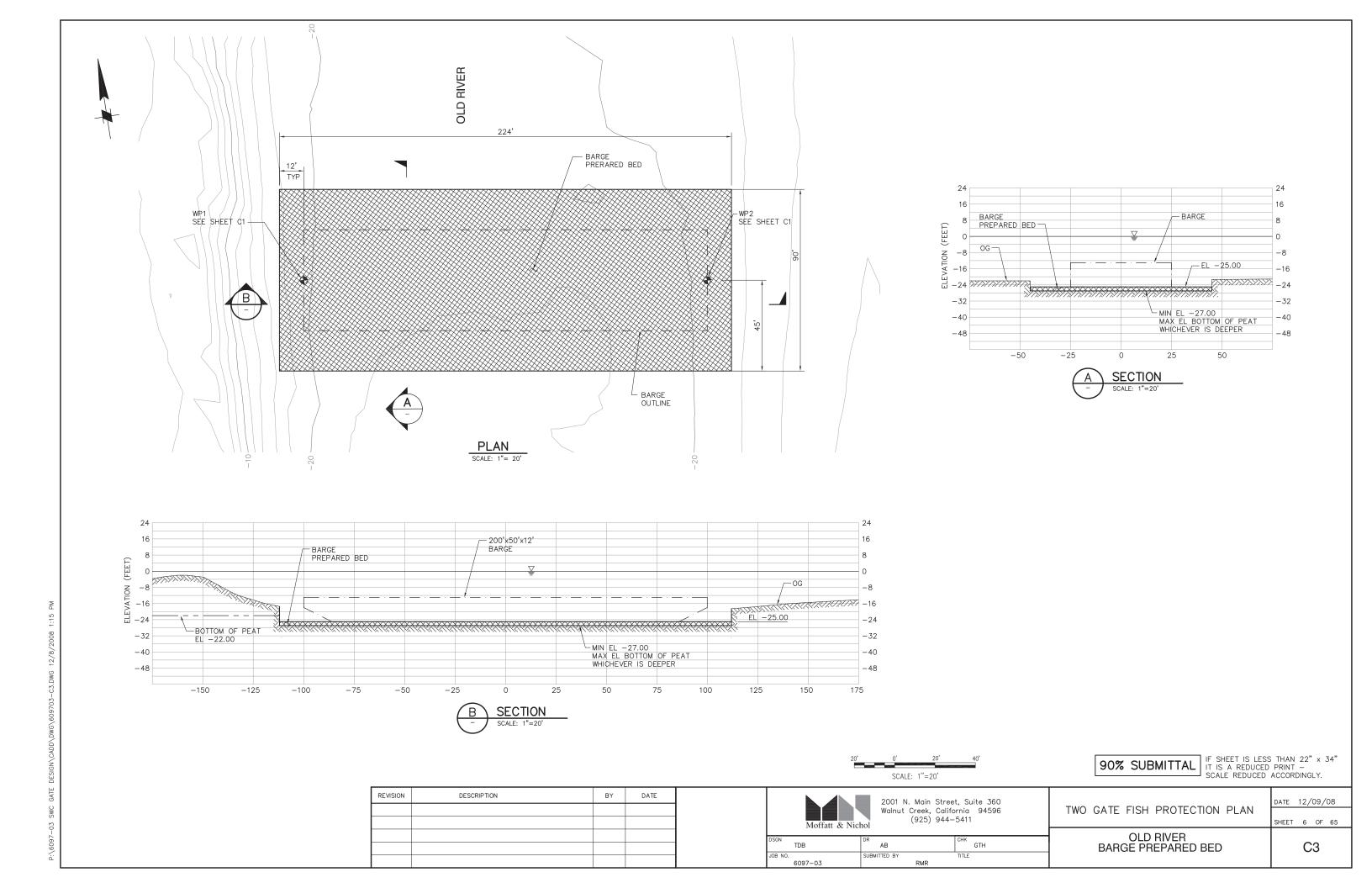
DATE 12/09/08 TWO GATE FISH PROTECTION PLAN

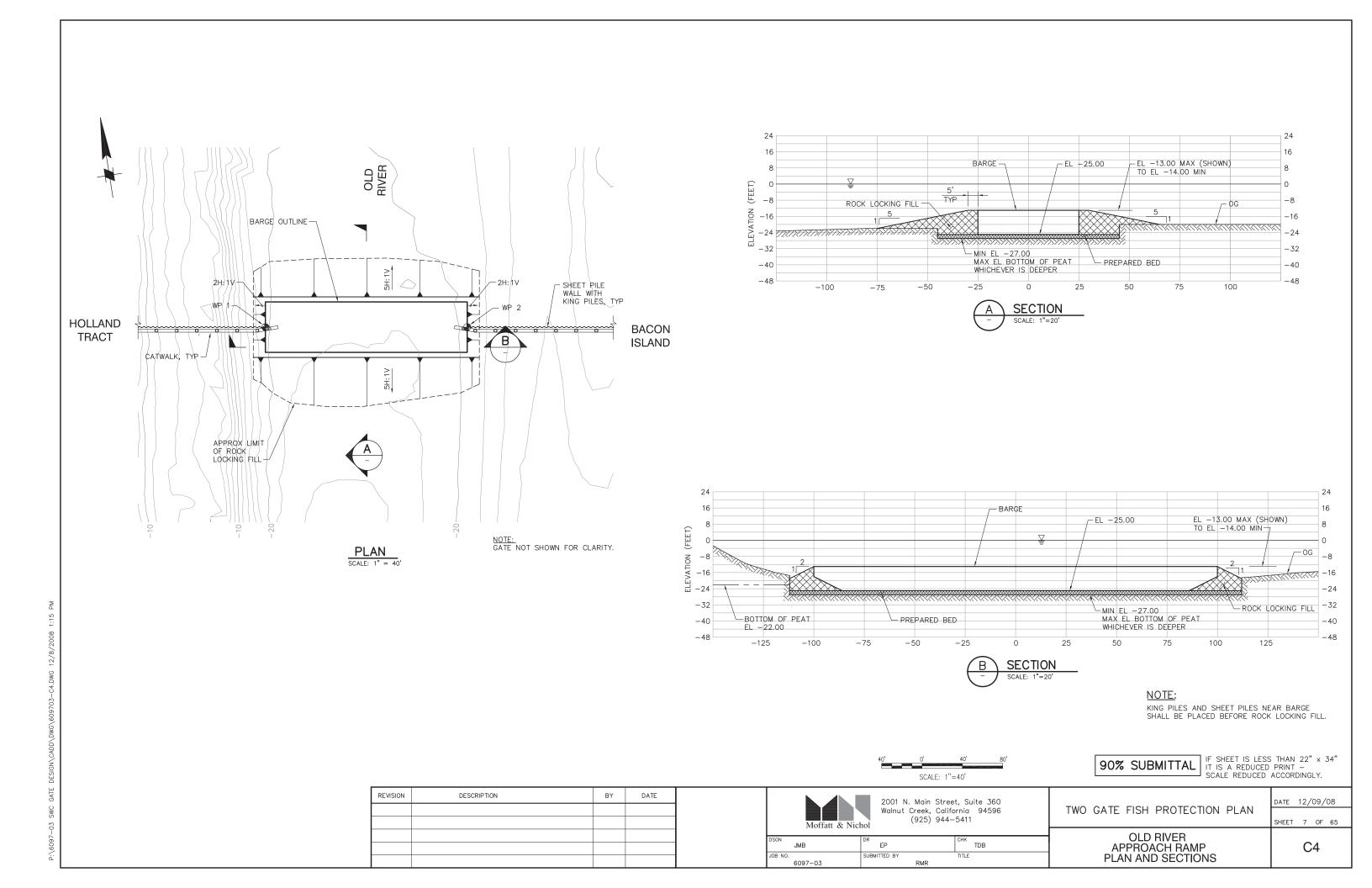
TDB EP PROJECT GENERAL PLAN 6097-03

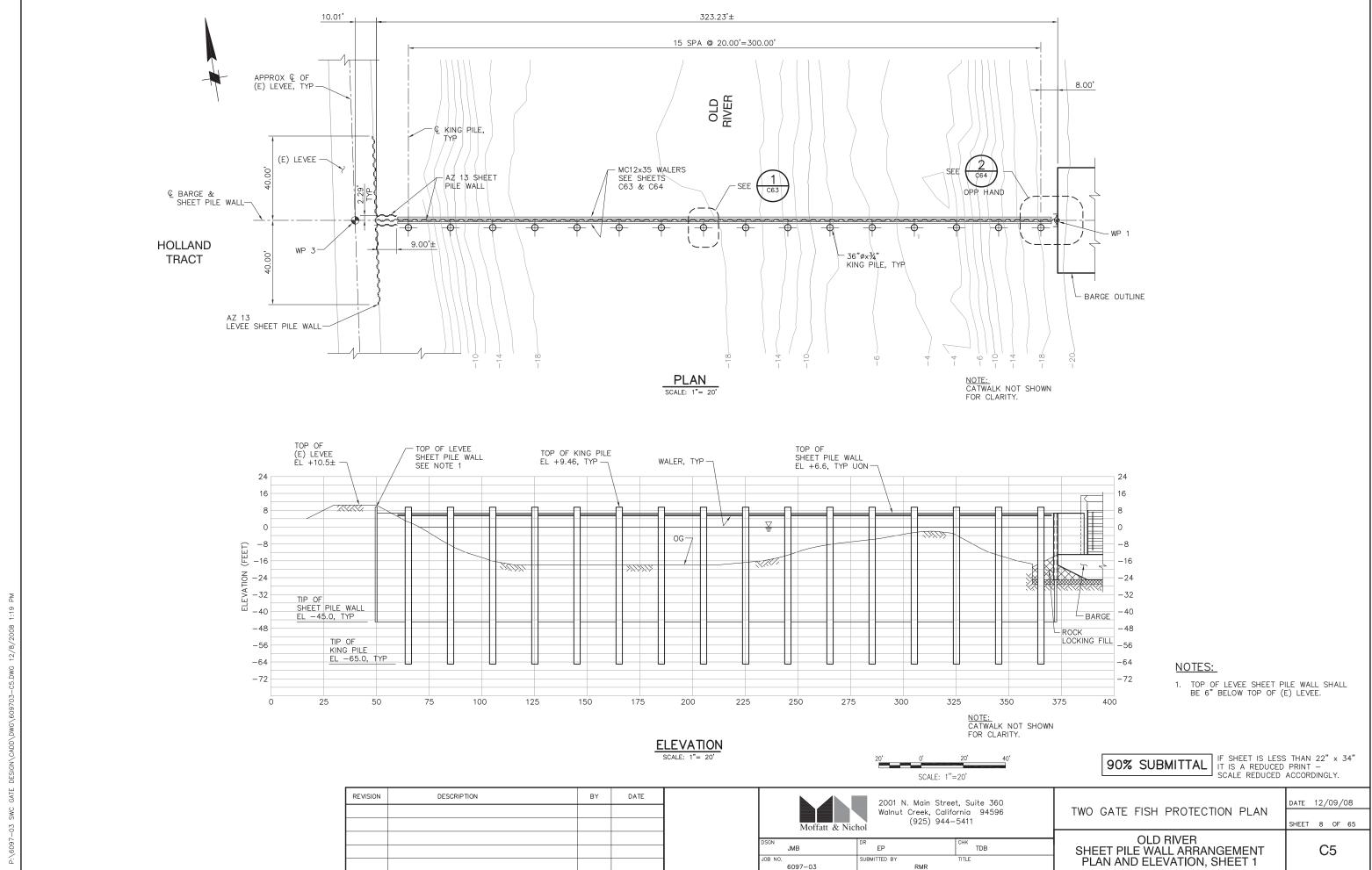
SHEET 3 OF 65 G3

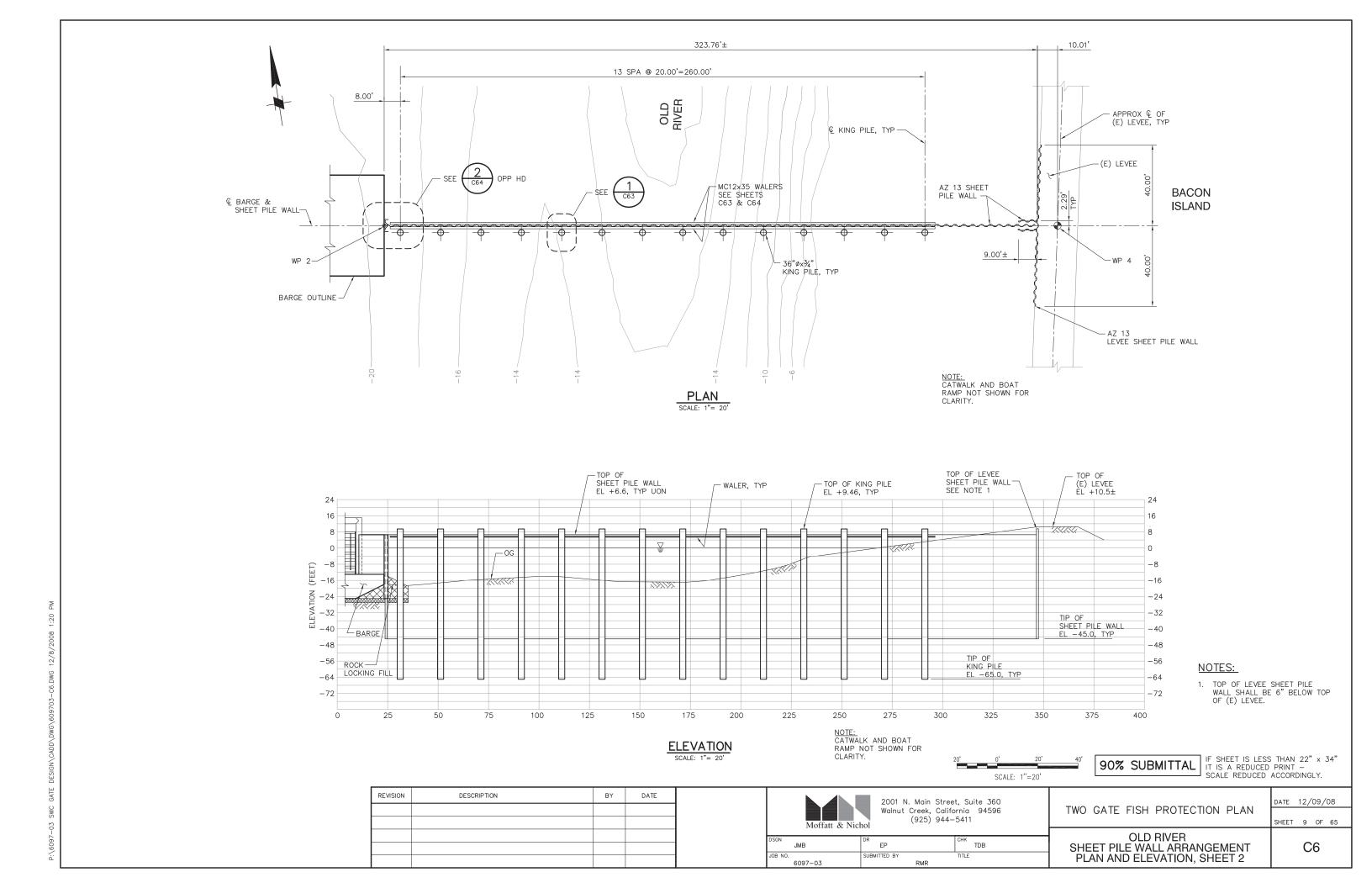


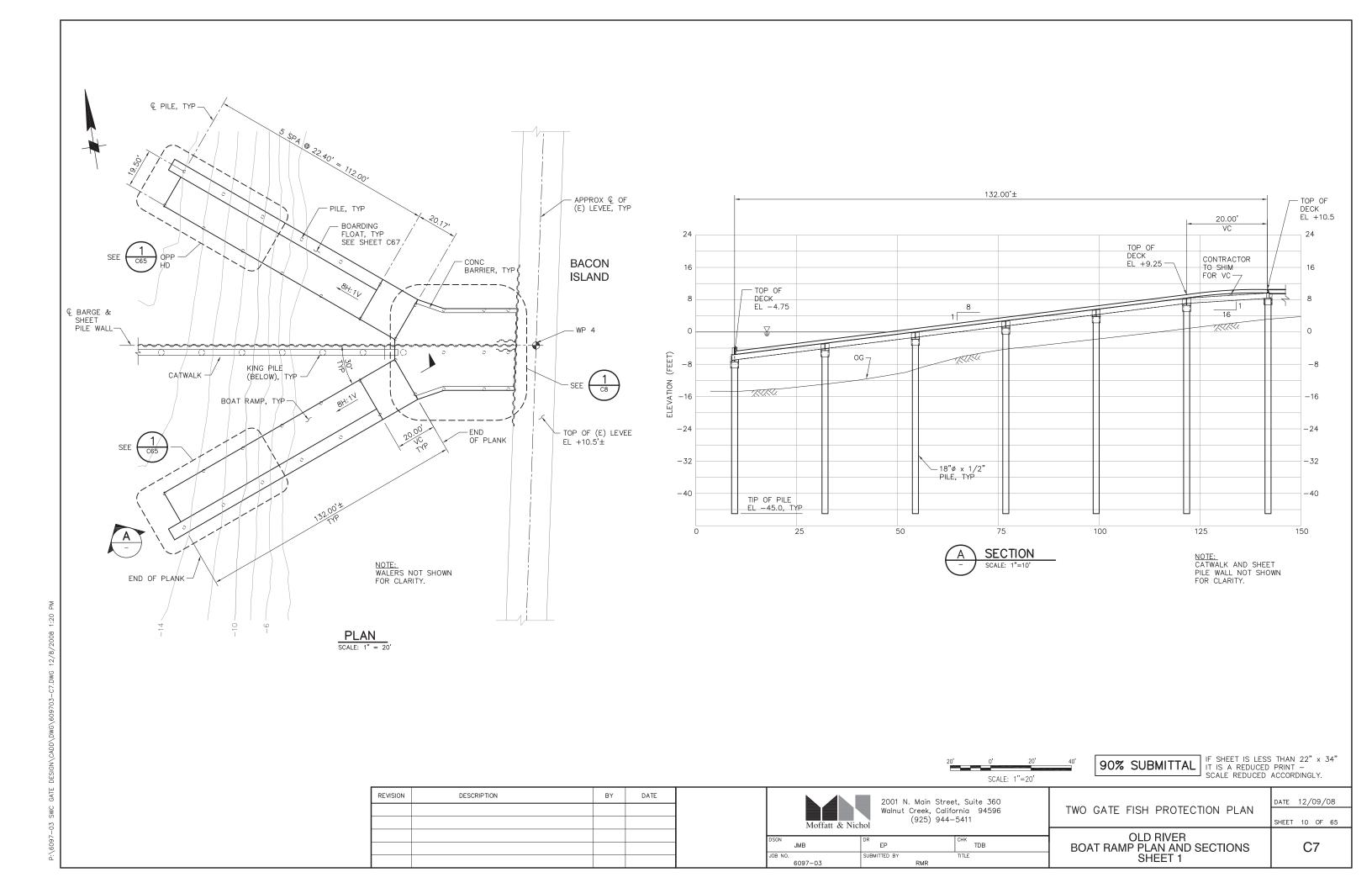


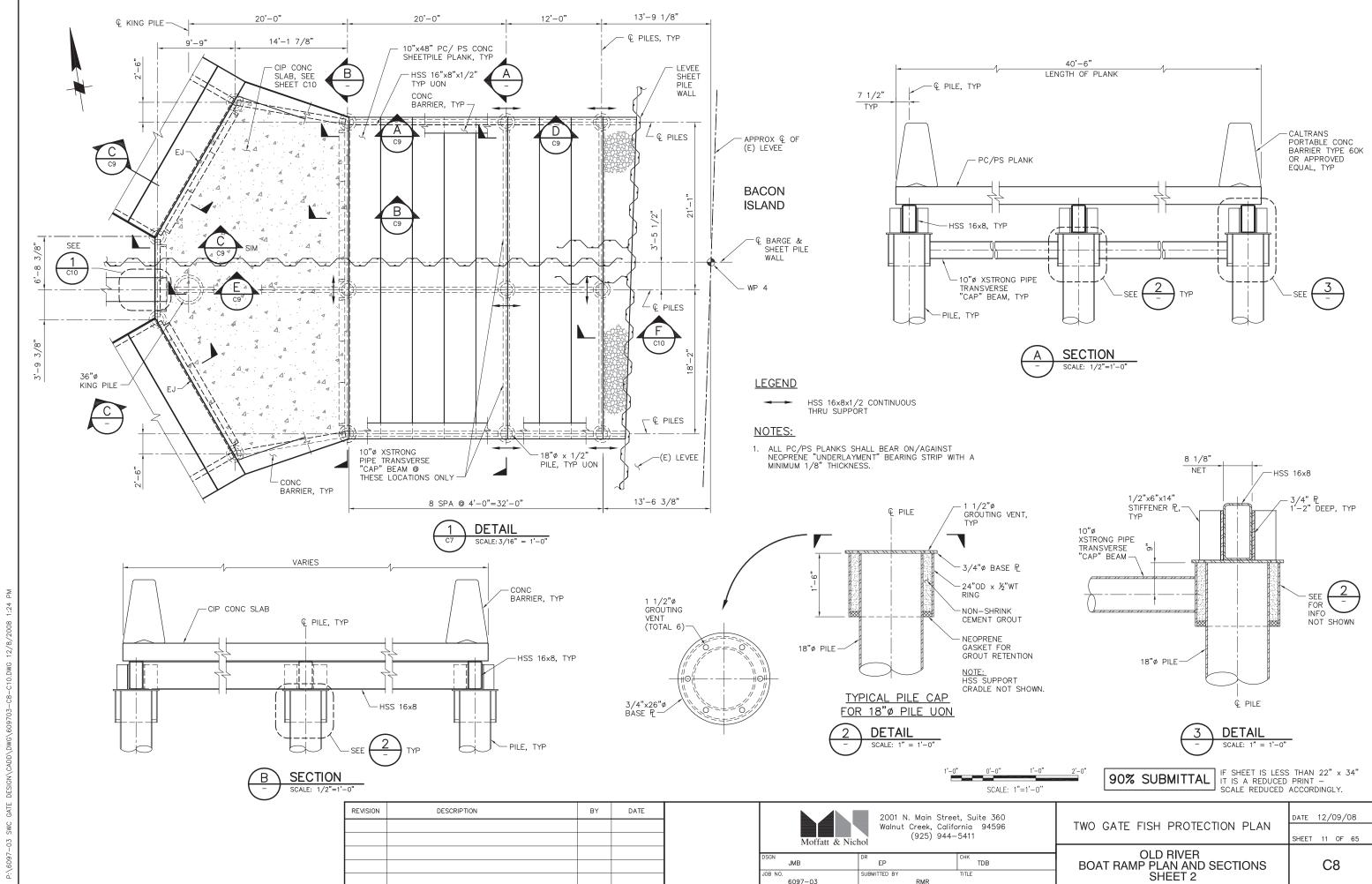


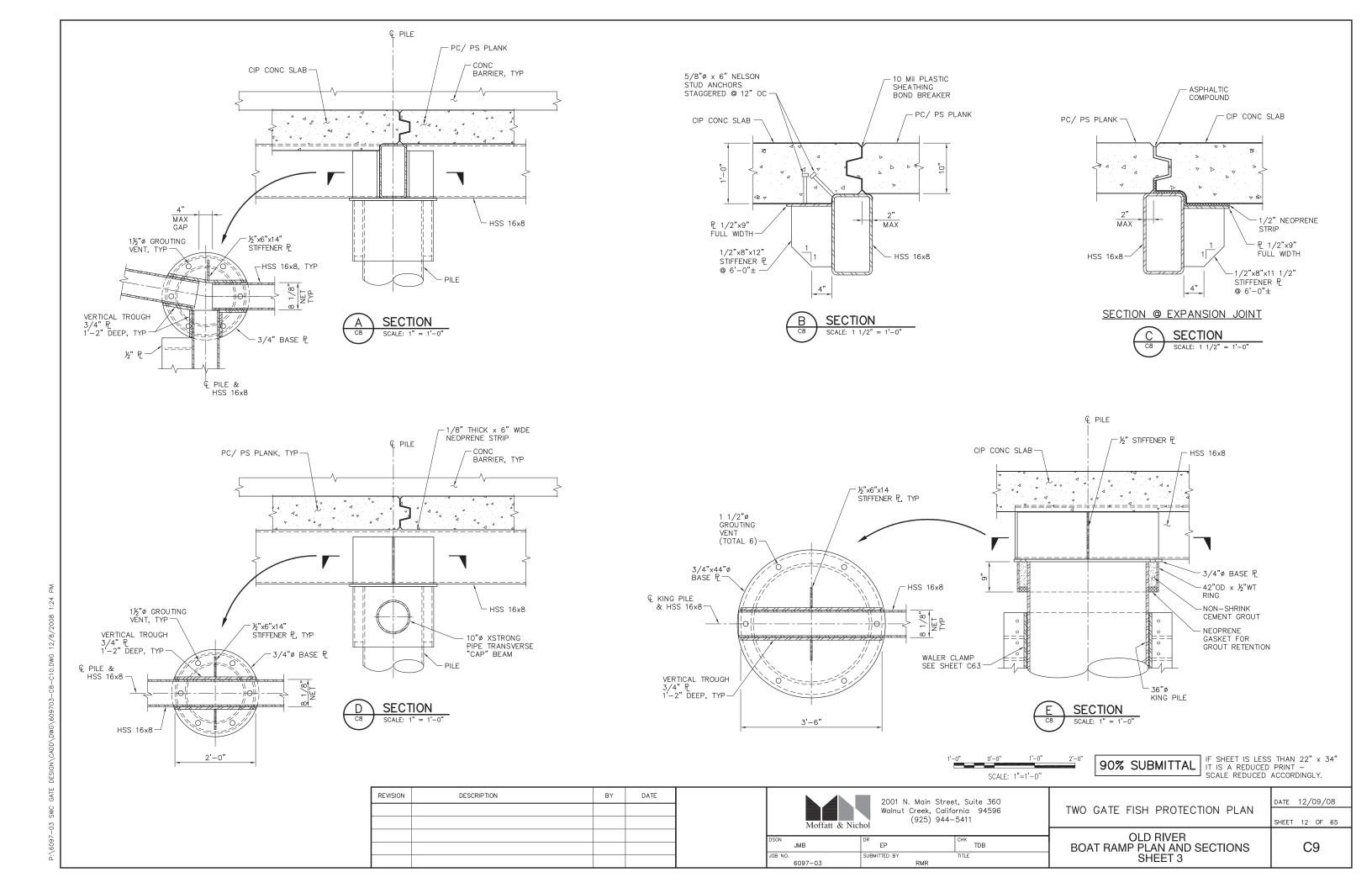


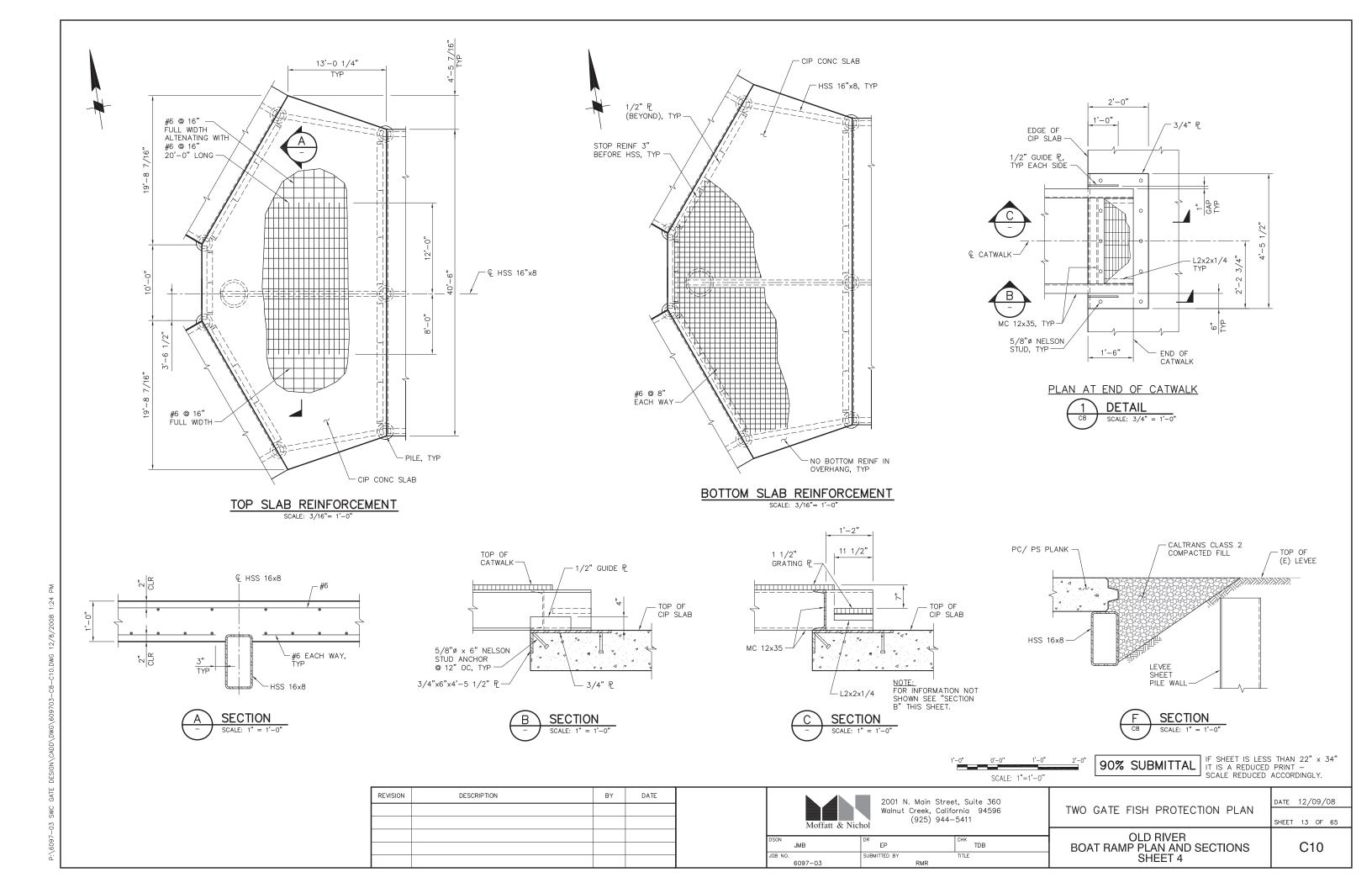


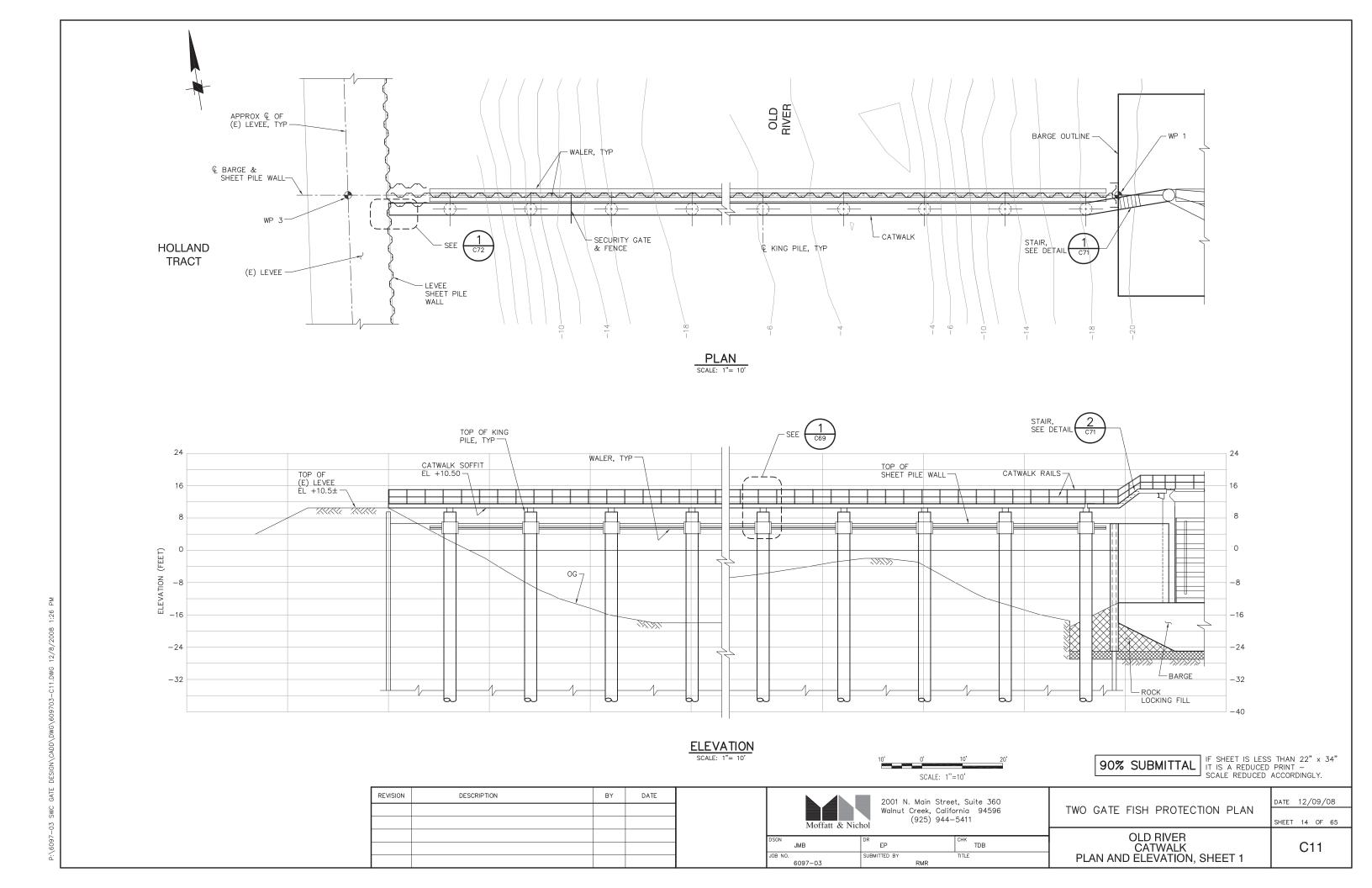


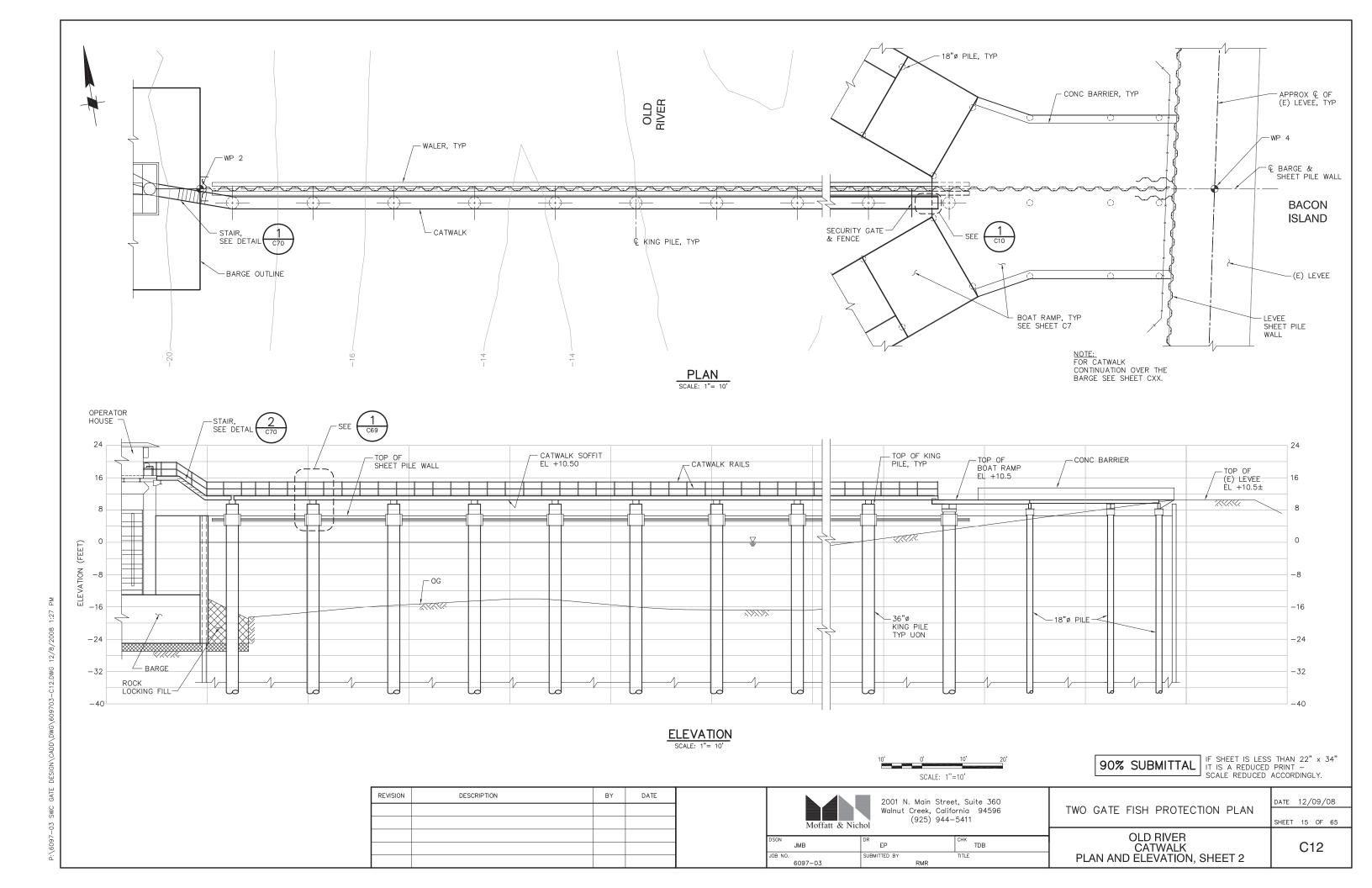


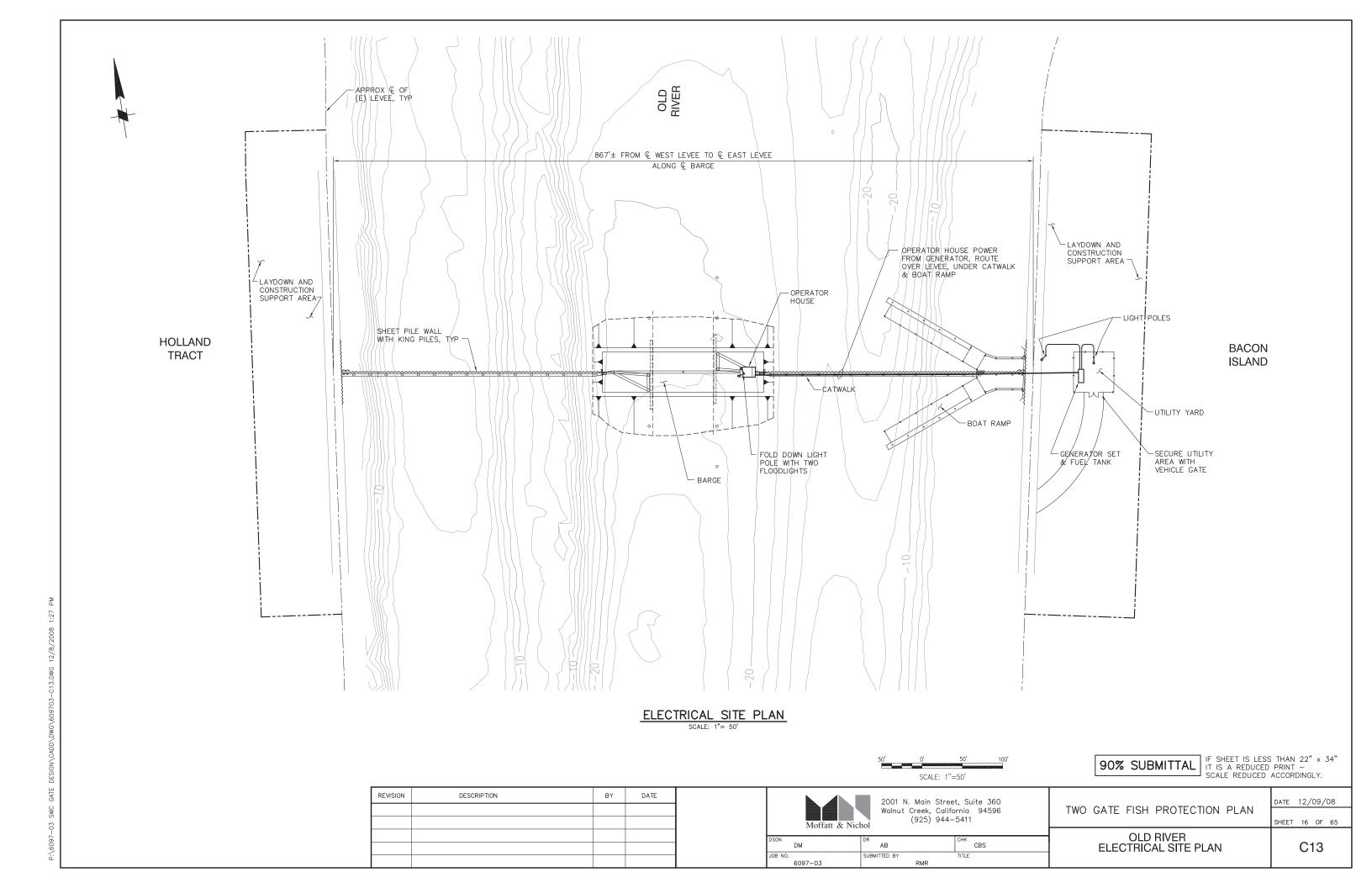


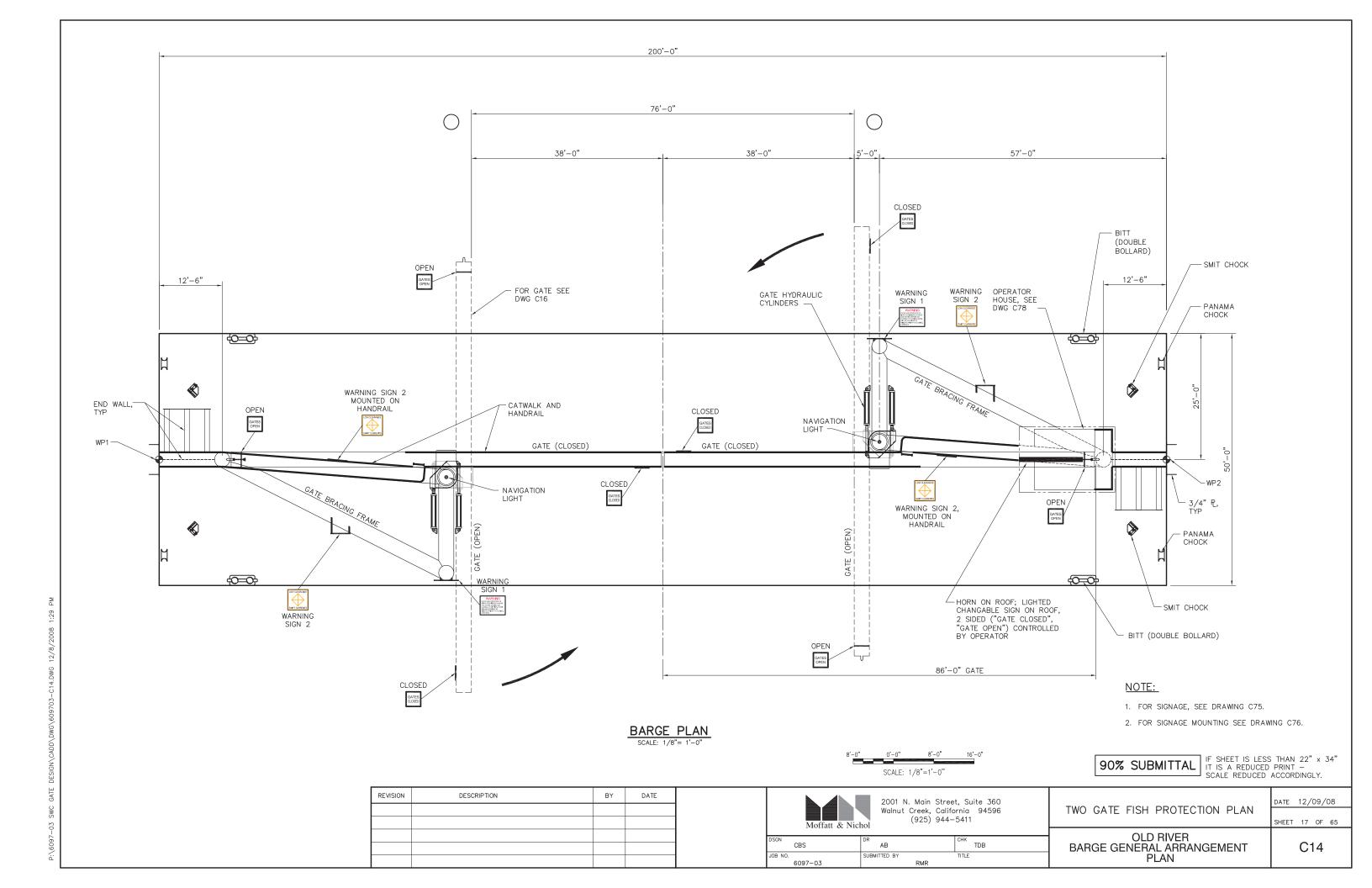




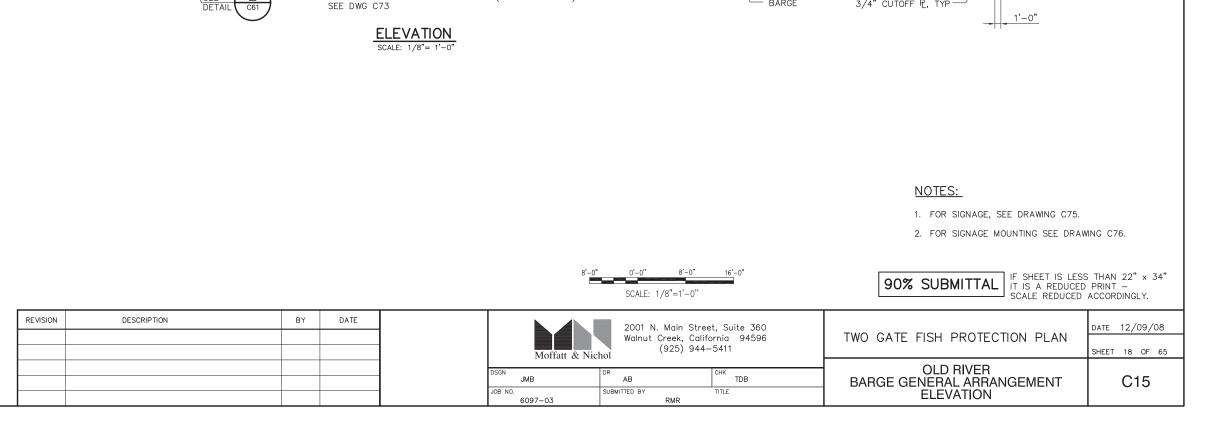






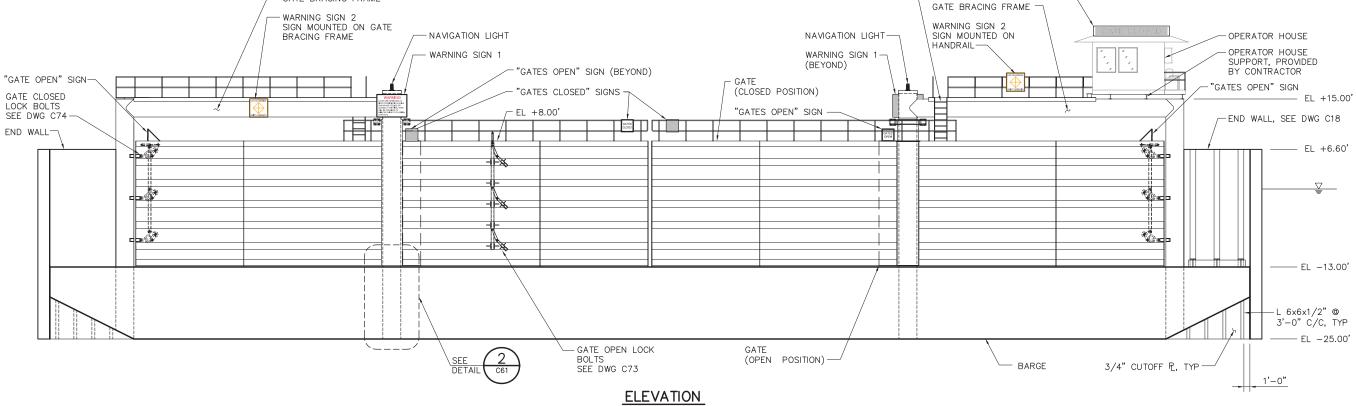




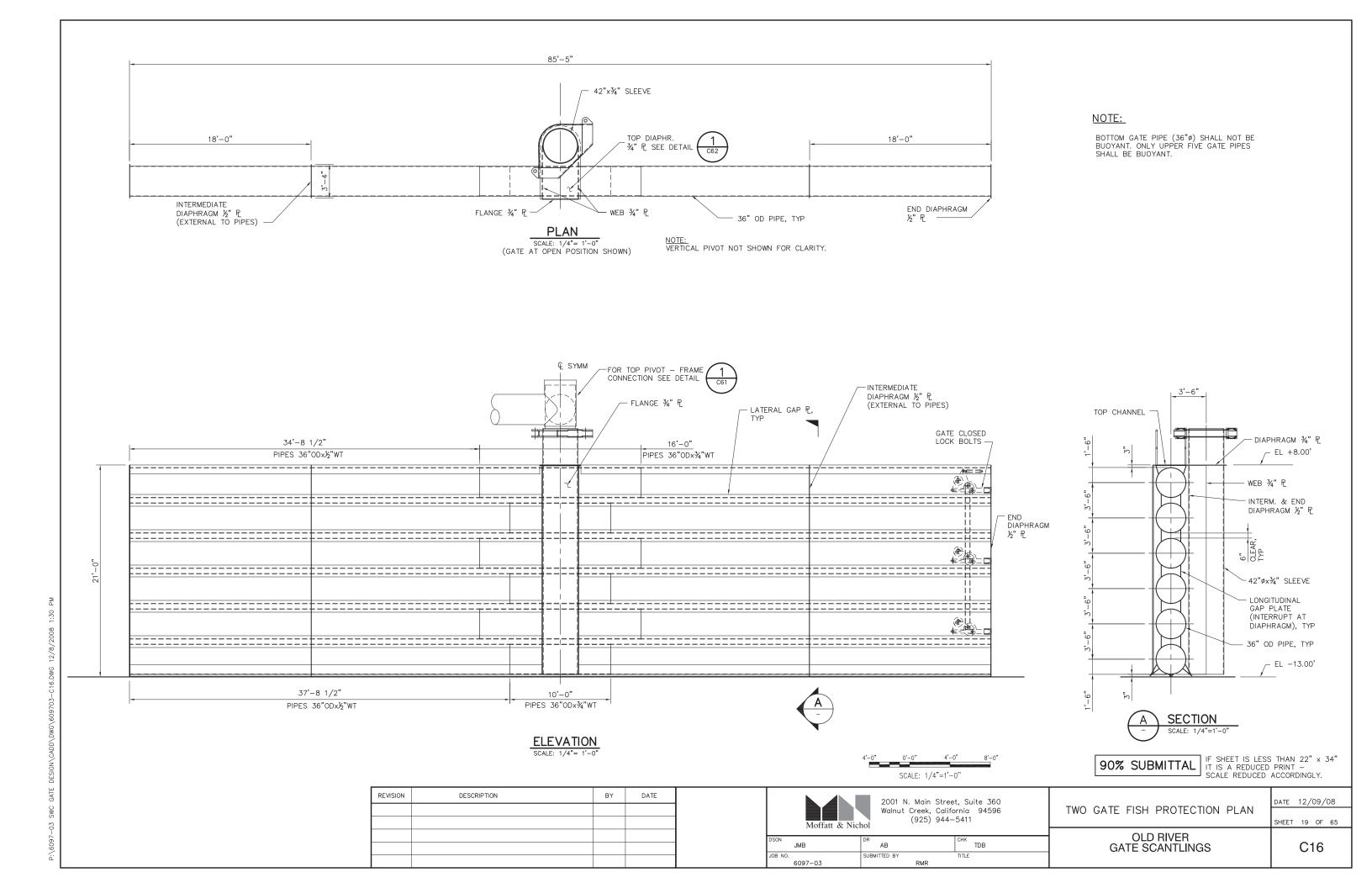


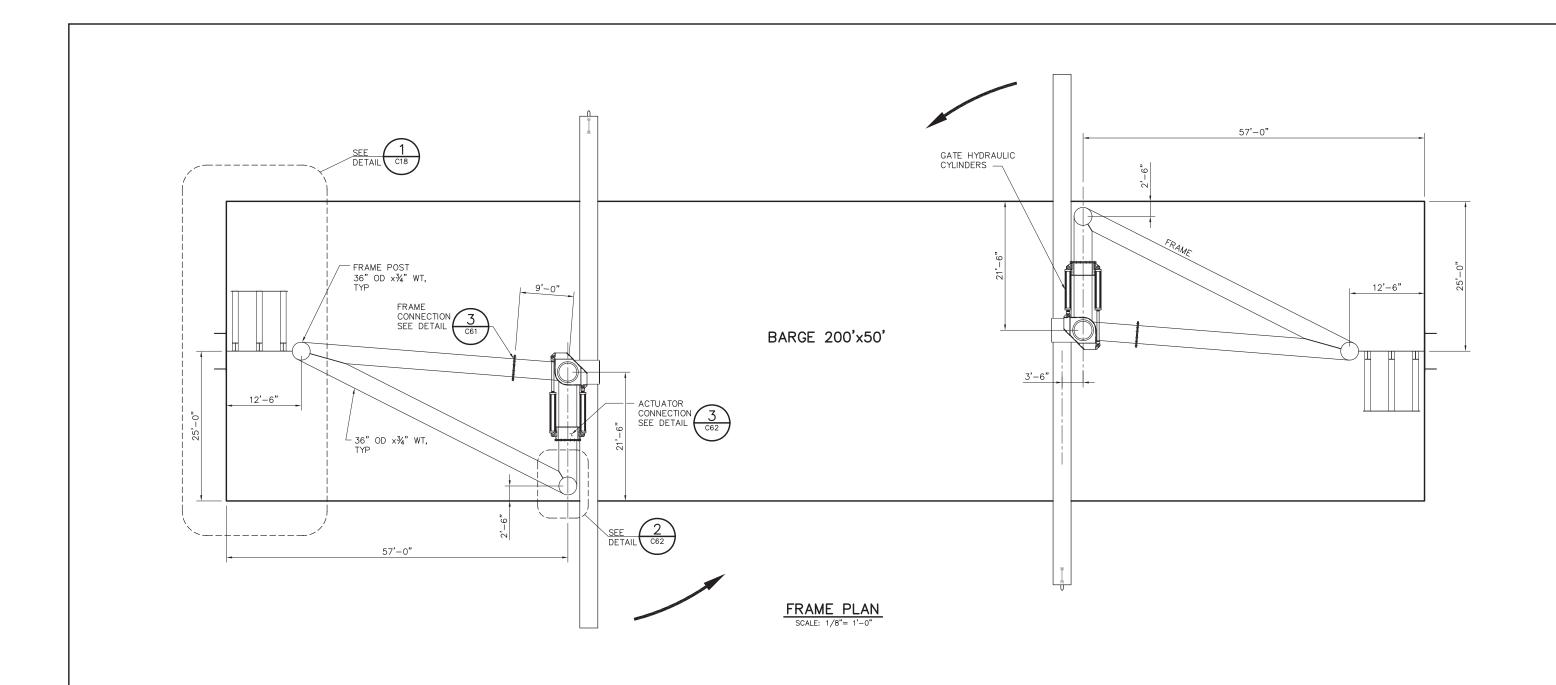
LADDER, CONTRACTOR PROVIDED (2 PLACES)

ELECTRONIC MESSAGE SIGN -



GATE BRACING FRAME







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TDB

TWO GATE FISH PROTECTION PLAN	DATE	DATE 12/09/08			
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OLD RIVER GATE FRAMING LAYOUT	
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