

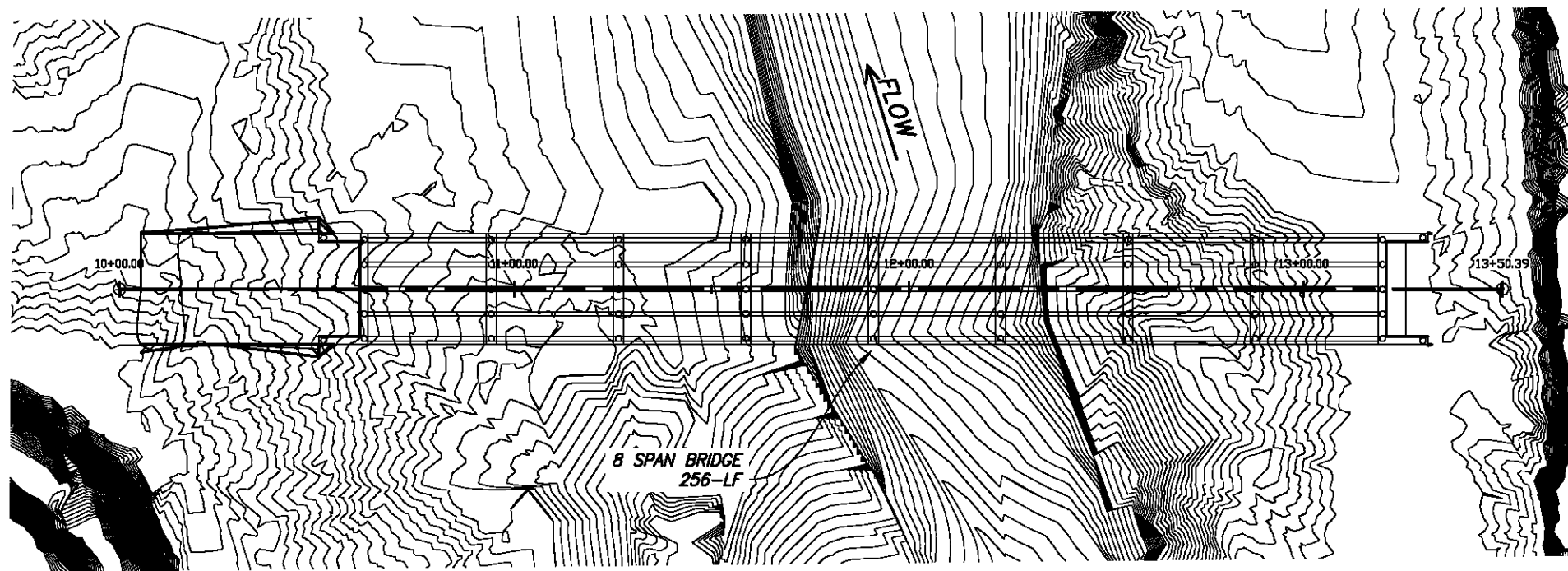
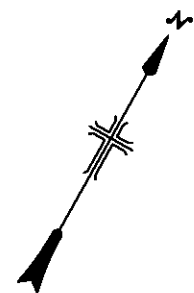
Attachment 3

Design Drawings

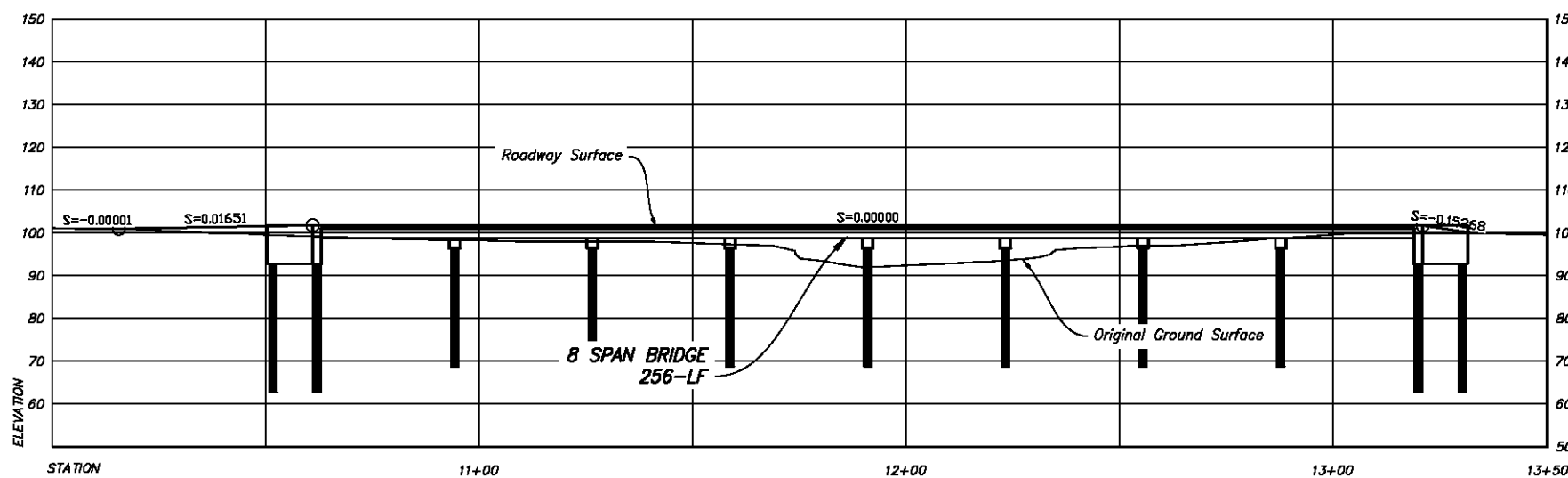
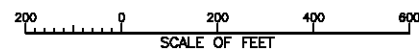


ALTERNATIVE 1 (OLD ALTERNATIVE 5)

CROSSING #1



PLAN - Crossing 1



For Internal Use
 Draft
 ALWAYS THINK SAFETY

U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
 SAN JOAQUIN RIVER RESTORATION PROGRAM
 BEACH 4B
 CROSSING 1
 PLAN, PROFILE, AND SECTIONS
 ALTERNATIVE 5

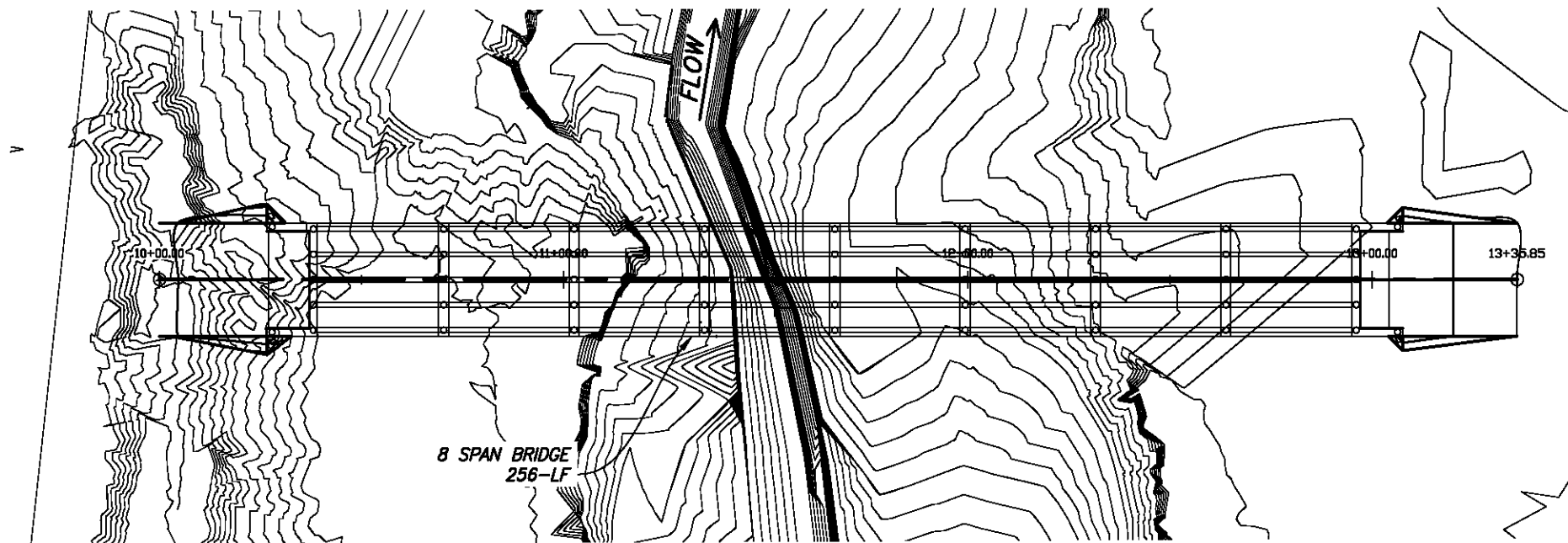
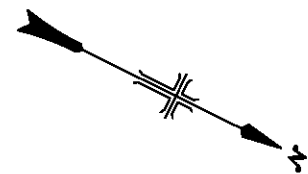
DESIGNED -----
 DRAWN -----
 CHECKED -----
 TECH. APPR. NAME - TITLE -----
 APPROVED PETER REINBERG NAME - TITLE -----
 DENVER, COLORADO OCTOBER 2017

FIGURE 1-8

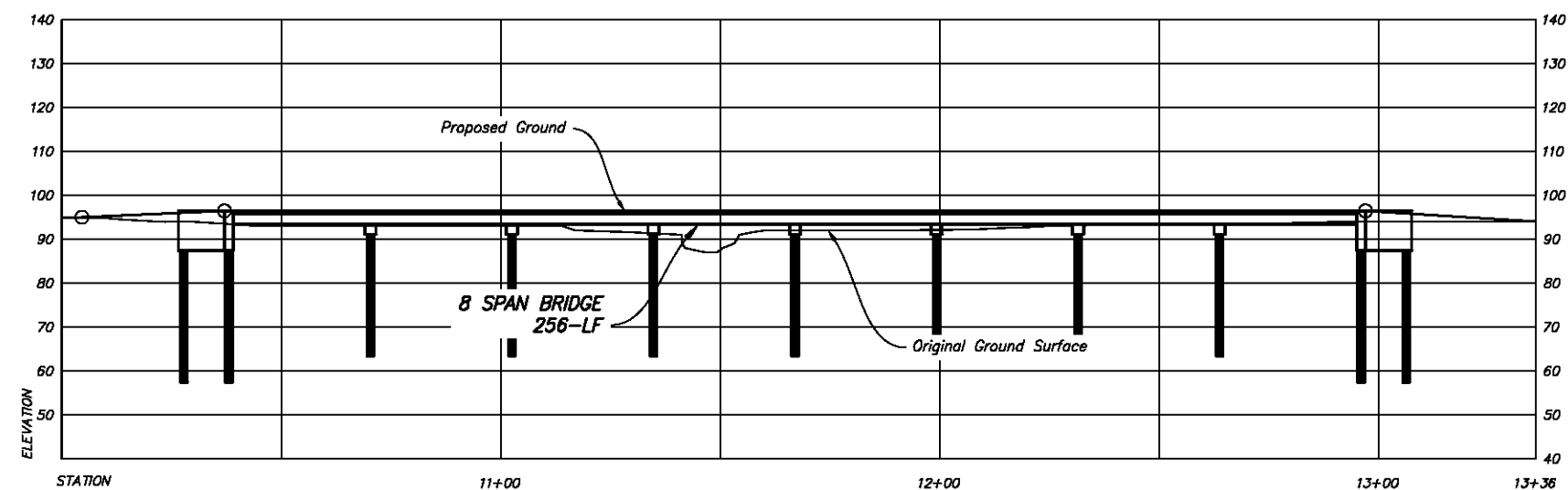
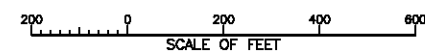
DATE AND TIME PLOTTED
 NAME AND TITLE
 PLOTTED BY
 AND PLOTTED

CAD SYSTEM
 AND PLOTTING
 CAD RELEASE
 UNKNOWN

CROSSING #2



PLAN - Crossing 2



PROFILE - Crossing 2

DATE AND TIME PLOTTED
NAME AND TITLE
PLOTTED BY
Plot Number

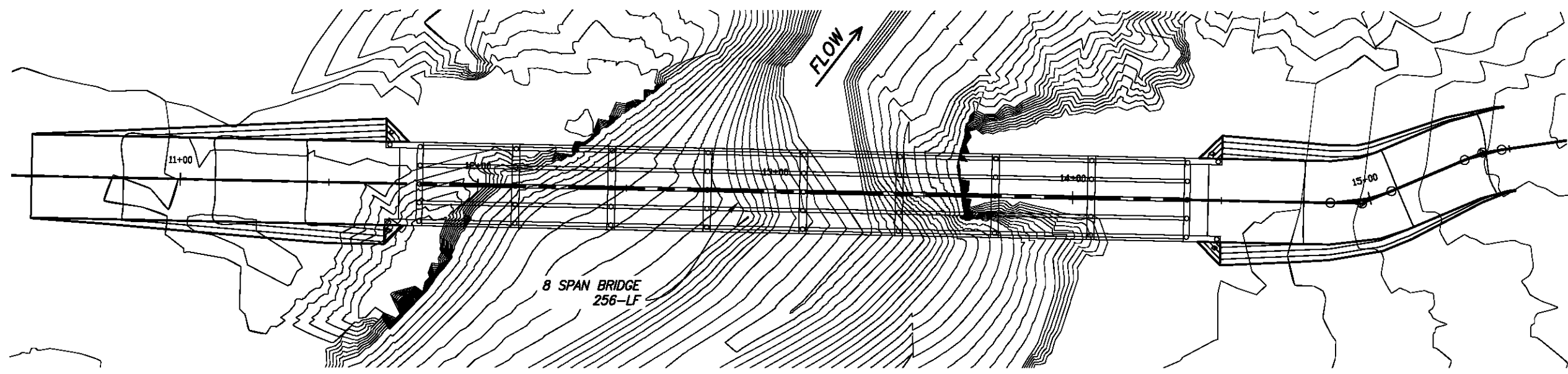
CAD SYSTEM
AND/OR
CAD RELEASE
UNKNOWN

For Internal Use
Draft
Always Think Safety

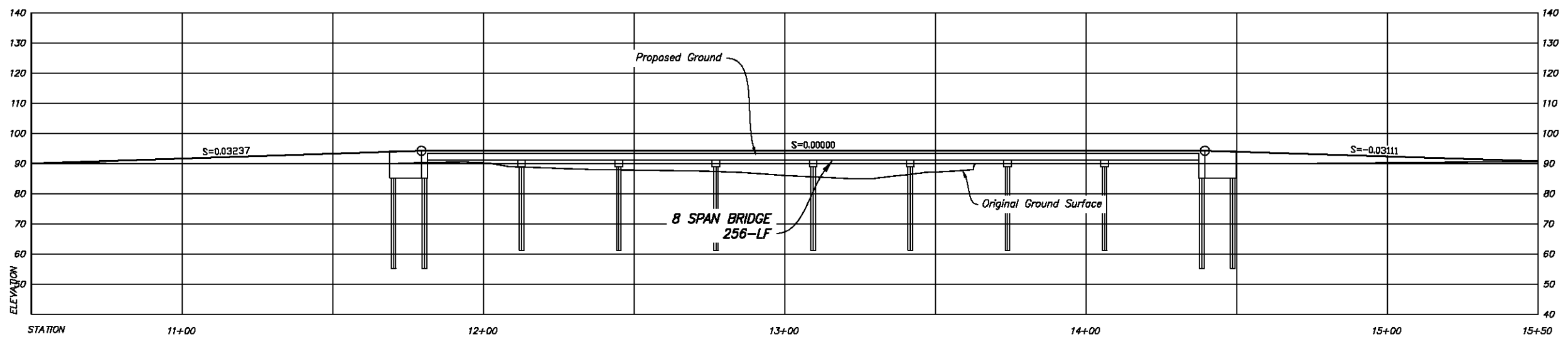
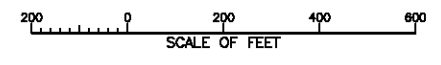
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
CENTRAL VALLEY PROJECT
FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
REACH 4B
CROSSING 2
PLAN, PROFILE, AND SECTIONS
ALTERNATIVE 5

DESIGNED -----
DRAWN -----
CHECKED -----
TECH. APPR. -- NAME -- TITLE -----
APPROVED PETER REINOLD -- NAME -- TITLE -----
DENVER, COLORADO OCTOBER 2017

CROSSING #3



PLAN - Crossing 3



Crossing 3 Profile

For Internal Use
 Draft
 ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
 SAN JOAQUIN RIVER RESTORATION PROGRAM
 BEACH 4B
 CROSSING 3
 PLAN, PROFILE, AND SECTIONS
 ALTERNATIVE 5

DESIGNED	-----
DRAWN	-----
CHECKED	-----
TECH. APPR.	NAME - TITLE
APPROVED	PETER REINOLD - NAME - TITLE
DENVER, COLORADO	OCTOBER 2017

DATE AND TIME PLOTTED
NAME AND TITLE
PLOTTED BY
Plot Number

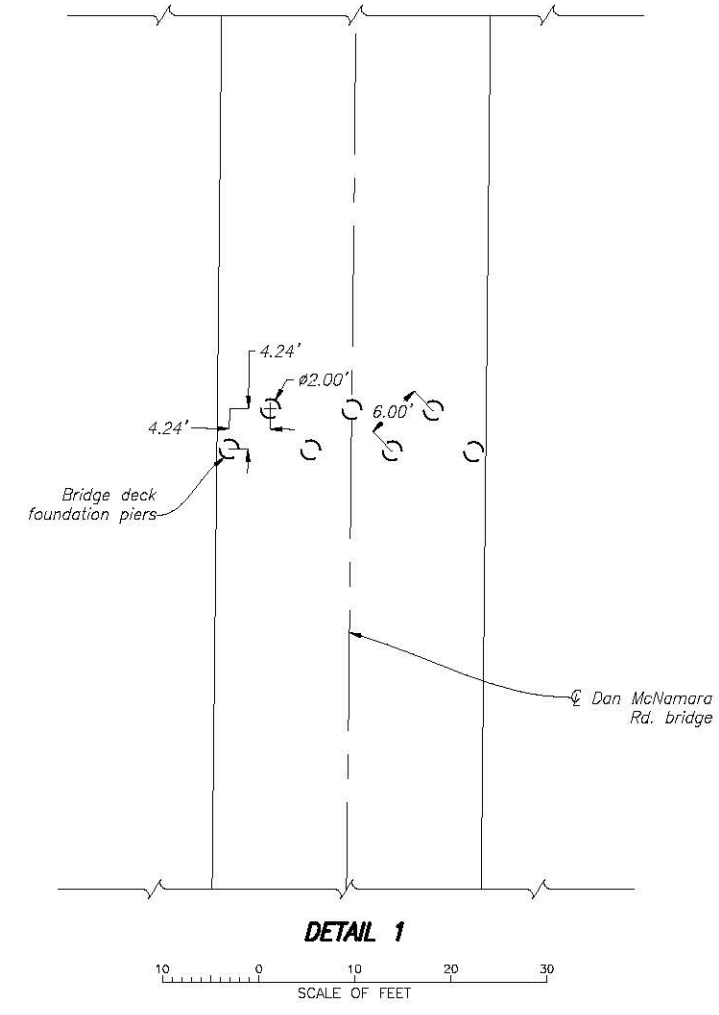
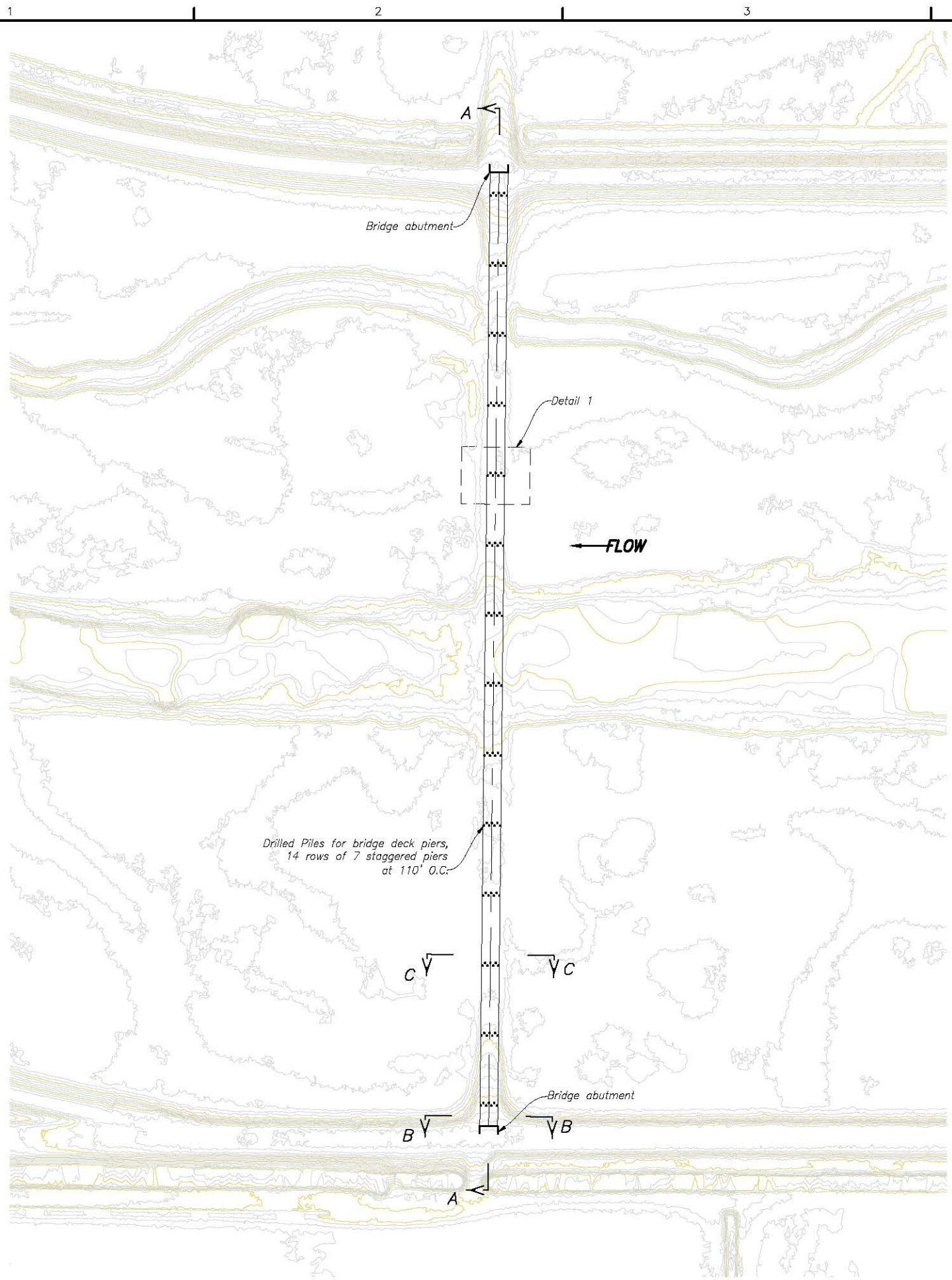
CAD SYSTEM
AND/OR
CAD RELEASE
UNKNOWN

DAN MCNAMARA RD

FCI ALWAYS THINK SAFETY
U.S. DEPARTMENT OF THE INTERIOR
CENTRAL VALLEY PROJECT
FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
DAN MCNAMARA ROAD BRIDGE
PLAN, PROFILE, AND SECTIONS
ALTERNATIVE 5
Not for Distribution

DESIGNED - J. LORBERAU
DRAWN - A. LATHAM
CHECKED - J. LORBERAU
TECH. APPR. - NAME - TITLE
APPROVED - PEER REVIEWER - NAME - TITLE
DENVER, COLORADO OCTOBER 2011

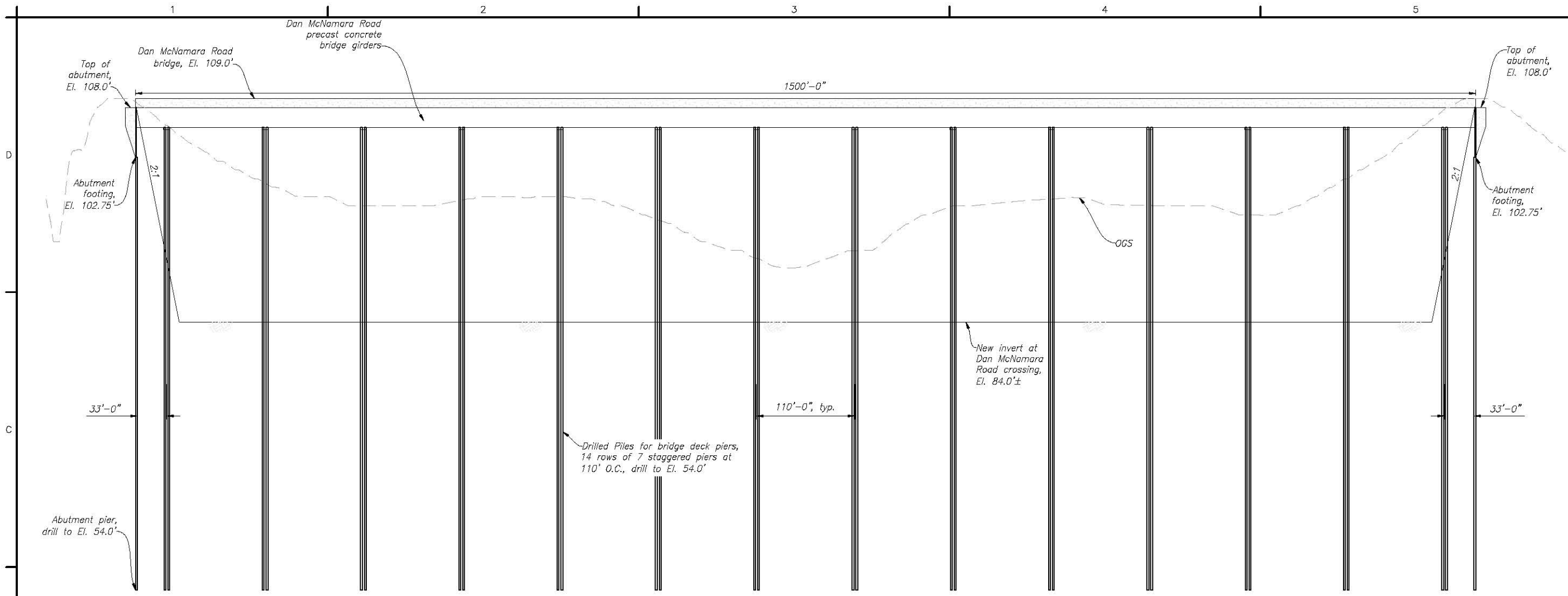
FIGURE 1-5
SHEET 1 OF 2



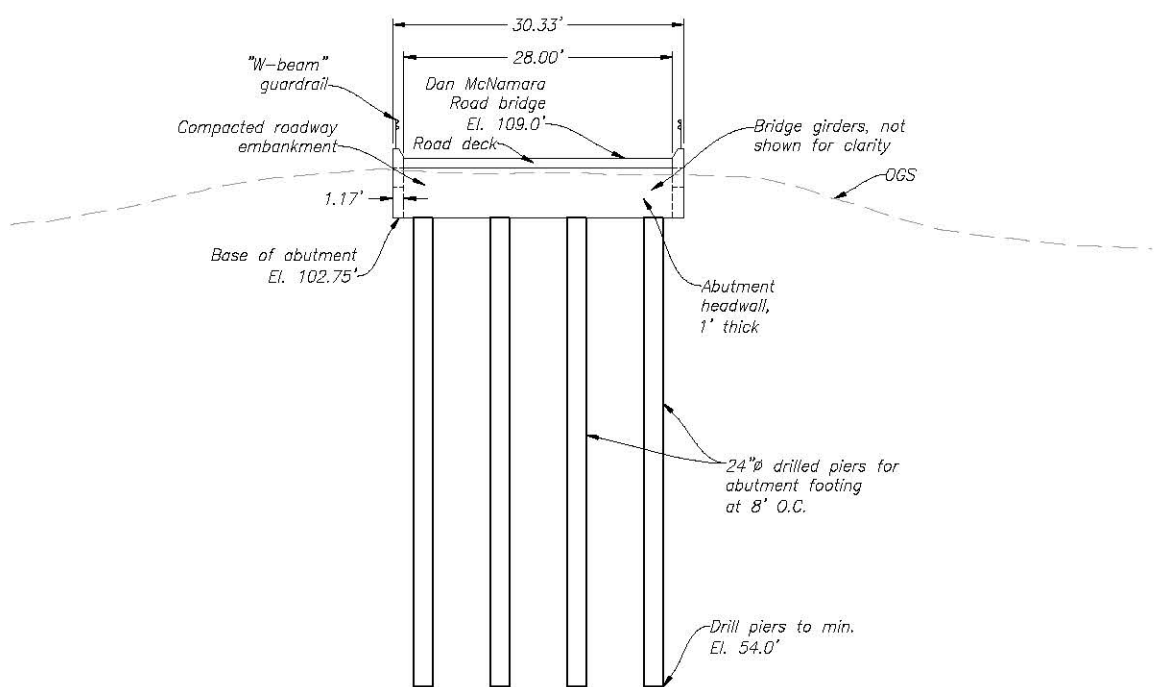
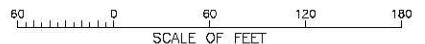
PLAN
SCALE OF FEET

DATE AND TIME PLOTTED
NOT PLOTTED BY
NOT PLOTTED BY

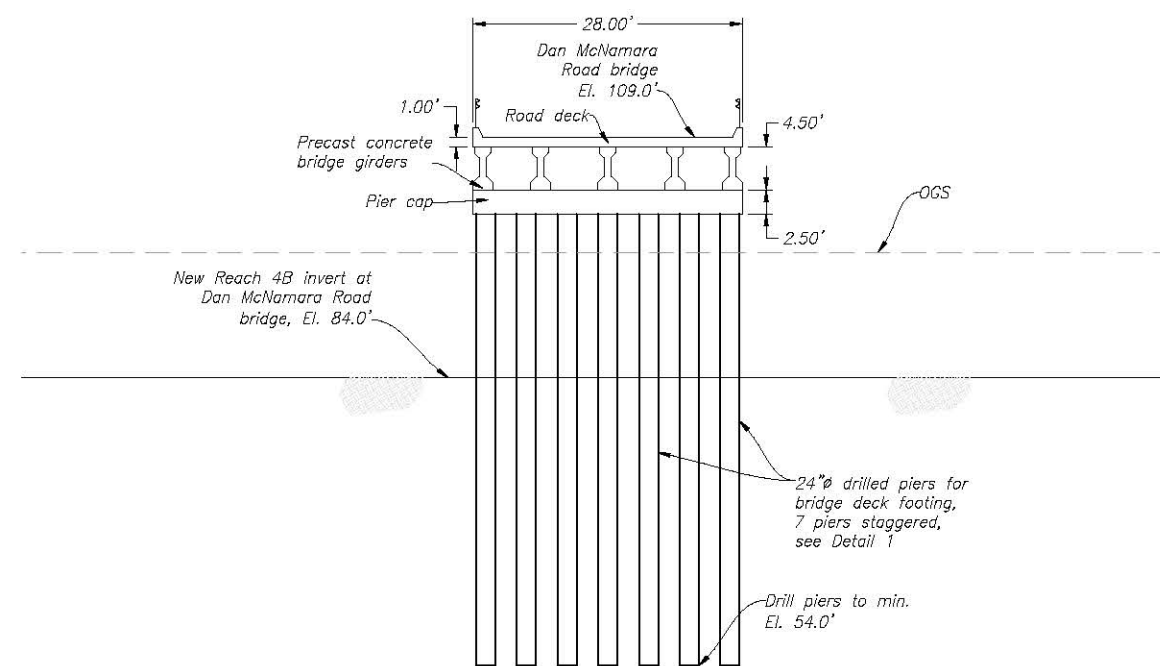
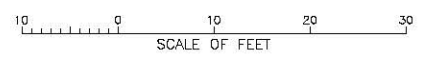
CAD SYSTEM
AUTOCAD
CAD FILENAME
UNNAMED



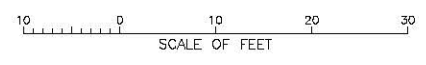
**SECTION A-A
EL NIDO ROAD BRIDGE CENTERLINE**



**SECTION B-B
DAN McNAMARA ROAD BRIDGE ABUTMENT**

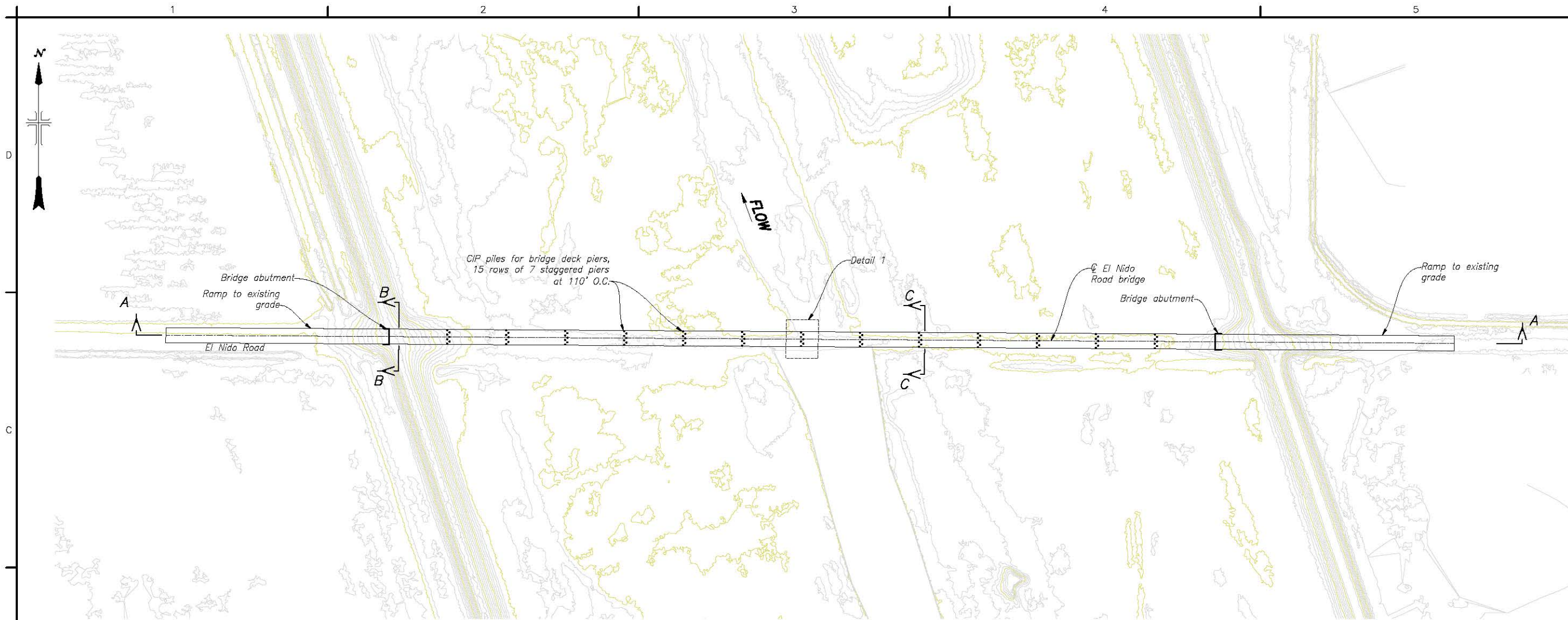


**SECTION C-C
DAN McNAMARA ROAD BRIDGE PIERS**

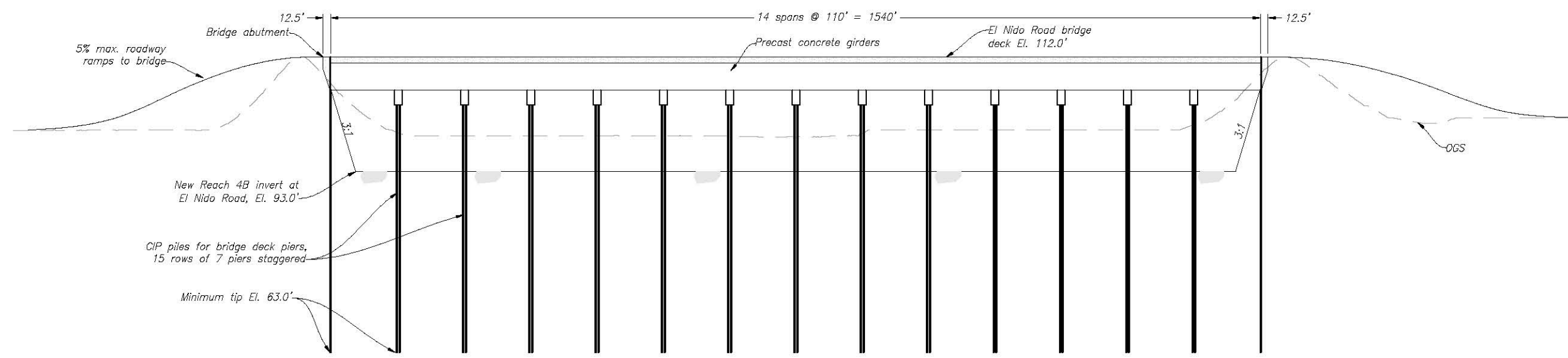


ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
DAN McNAMARA ROAD BRIDGE
PLAN, PROFILE, AND SECTIONS
ALTERNATIVE 5
 Not for Distribution

DESIGNED	J. LORBERAU
DRAWN	A. LATHAM
CHECKED	J. LORBERAU
TECH. APPR.	TAMM - TITLE
APPROVED	PEER REVIEWER - NAME - TITLE
DENVER, COLORADO	OCTOBER 2011



PLAN
SCALE OF FEET
0 20 40 60



SECTION A-A
EL NIDO ROAD BRIDGE PROFILE
SCALE OF FEET
0 100 200 300

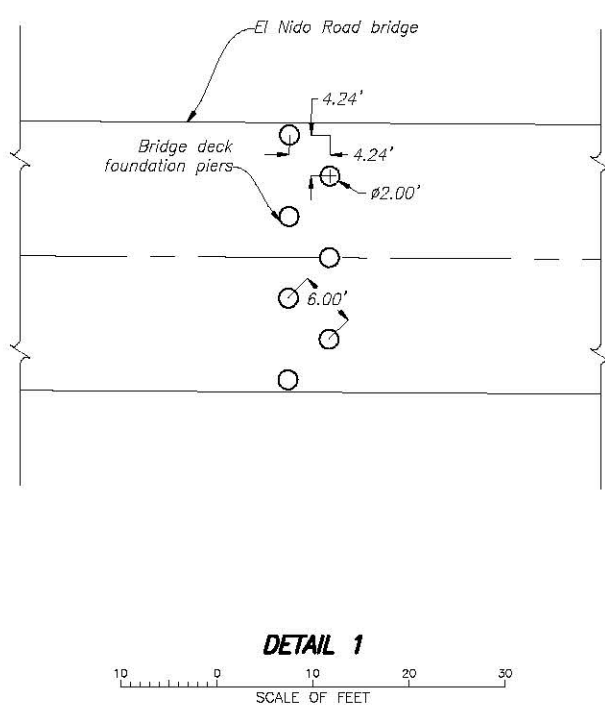
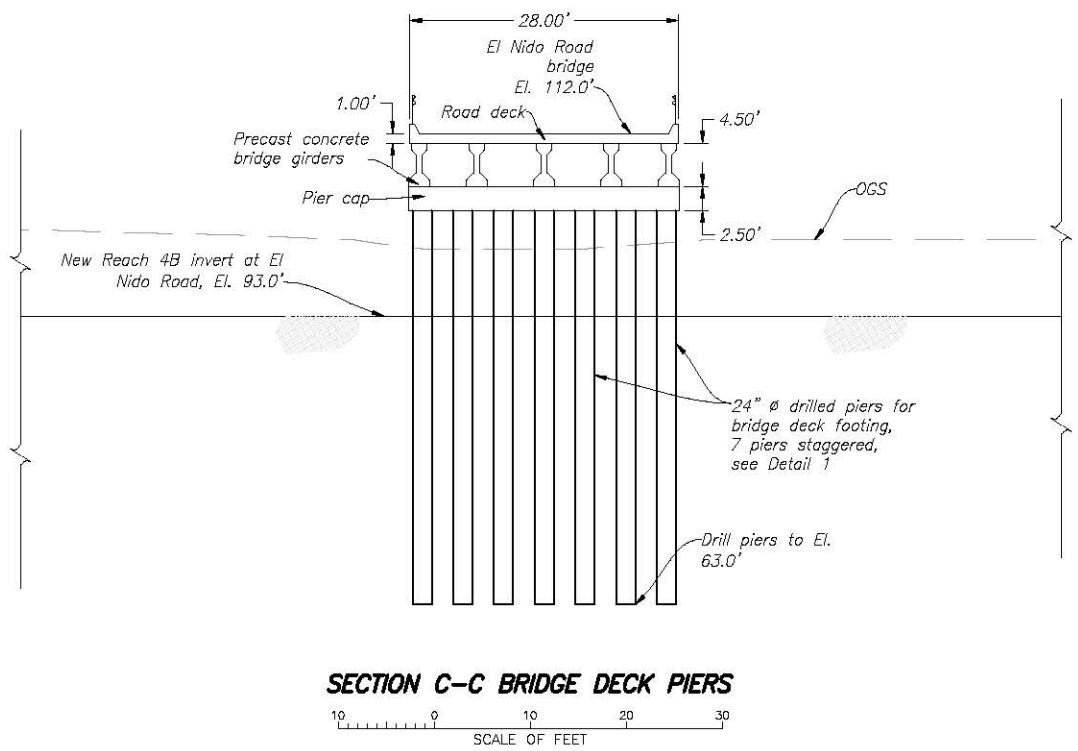
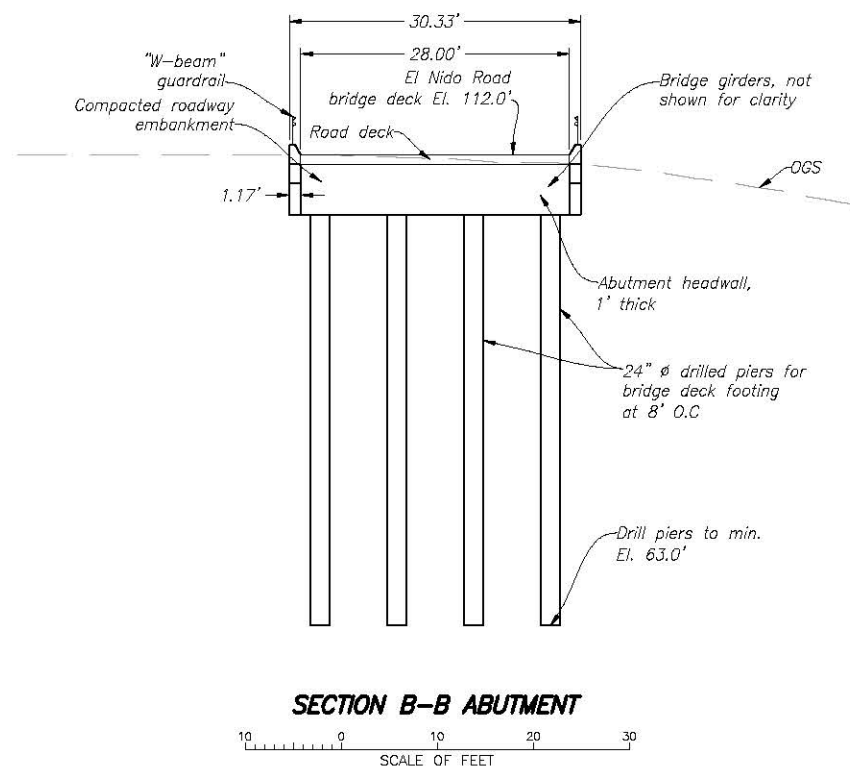
ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
REACH 4B
 EL NIDO ROAD BRIDGE
 PLAN AND PROFILE
 ALTERNATIVE 5
 Not For Distribution

DESIGNED	J. LORBERAU
DRAWN	A. LATHAM
CHECKED	J. LORBERAU
TECH. APPR.	T.W.E. - TITLE
APPROVED	PEER REVIEWER - NAME - TITLE
DENVER, COLORADO	OCTOBER 2011

DATE AND TIME PLOTTED
NOT PLOTTED BY
NOT PLOTTED BY

CAD SYSTEM
AUTOCAD
CAD FILENAME
UNN02001

W EL NIDO RD



ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
EL NIDO ROAD BRIDGE
SECTIONS AND DETAIL
ALTERNATIVE 5
 Not For Distribution

DESIGNED - J. LORBERAU
 DRAWN - A. LATHAM
 CHECKED - J. LORBERAU
 TECH. APPR. - NAME - TITLE
 APPROVED - PEER REVIEWER - NAME - TITLE
 DENVER, COLORADO OCTOBER 2011

FIGURE 1-3
SHEET 2 OF 2

DATE AND TIME PLOTTED
 Plot Path:
 PLOTTED BY
 Plot Paster
 CAD SYSTEM
 AUTOCAD
 CAD FILENAME
 UNKOWN

REACH 4B HEADGATE

ALWAYS THINK SAFETY

USE OF THIS DRAWING IS RESTRICTED TO THE PROJECT FOR WHICH IT WAS PREPARED. ANY OTHER USE WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER IS PROHIBITED.

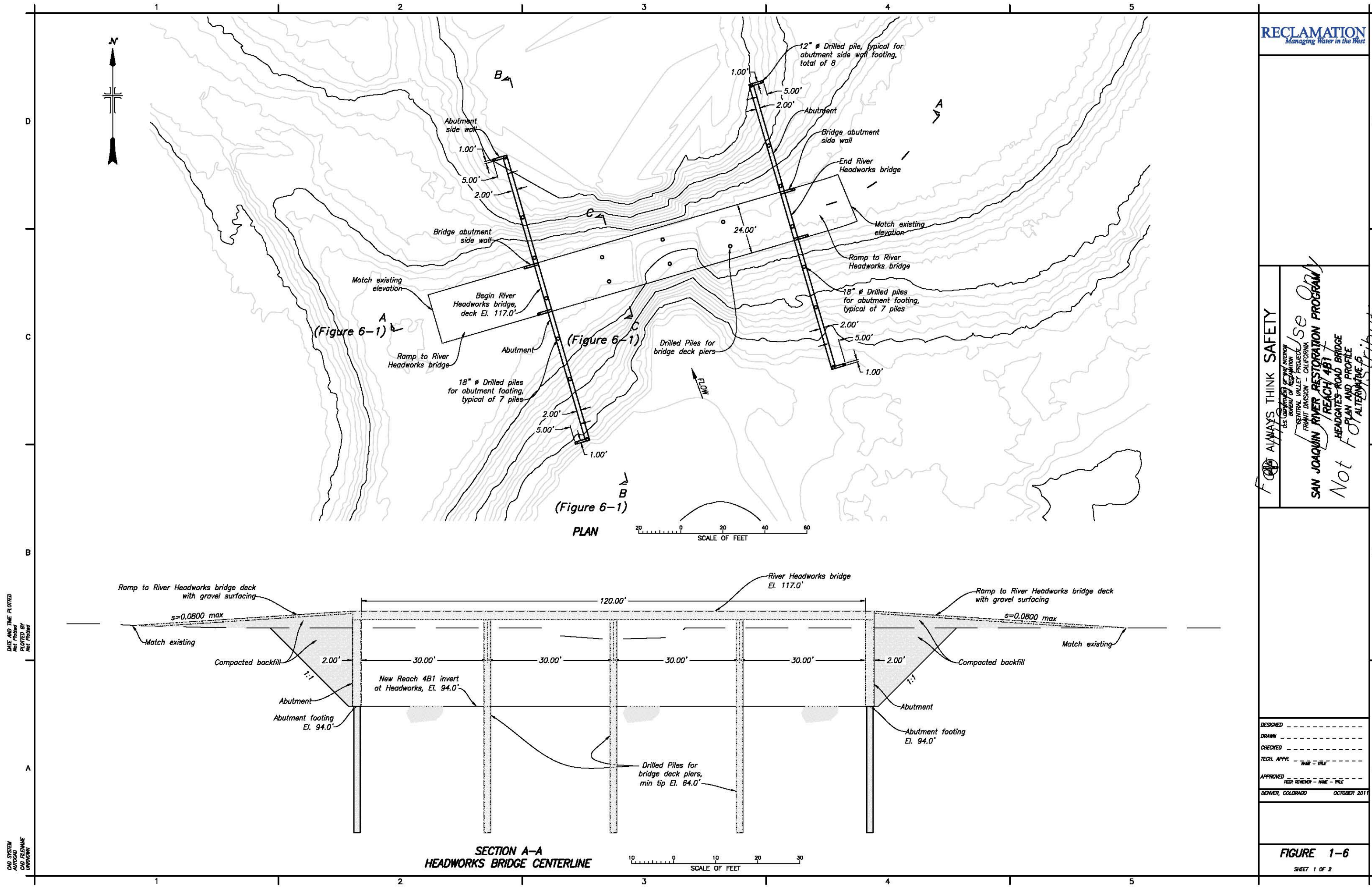
SAN JOAQUIN RIVER RESTORATION PROGRAM
REACH 4B1

HEADGATES-ROAD BRIDGE
PLAN AND PROFILE

Not For Alternative Distribution

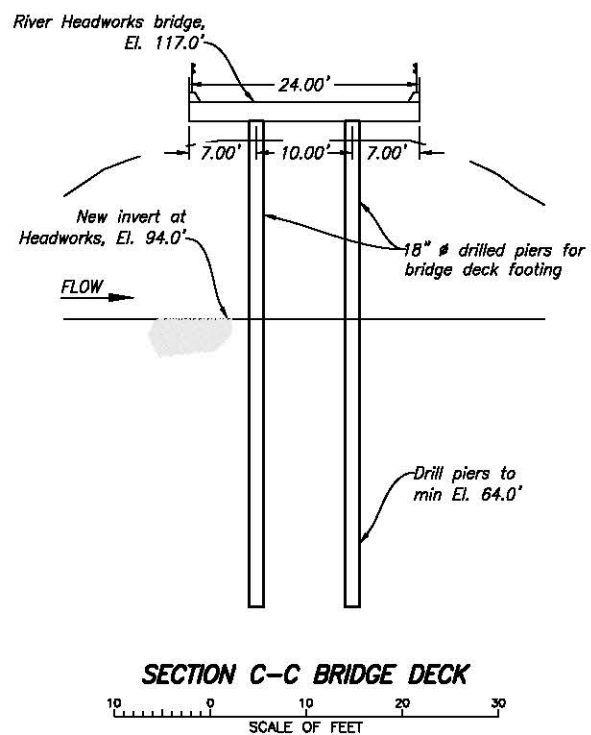
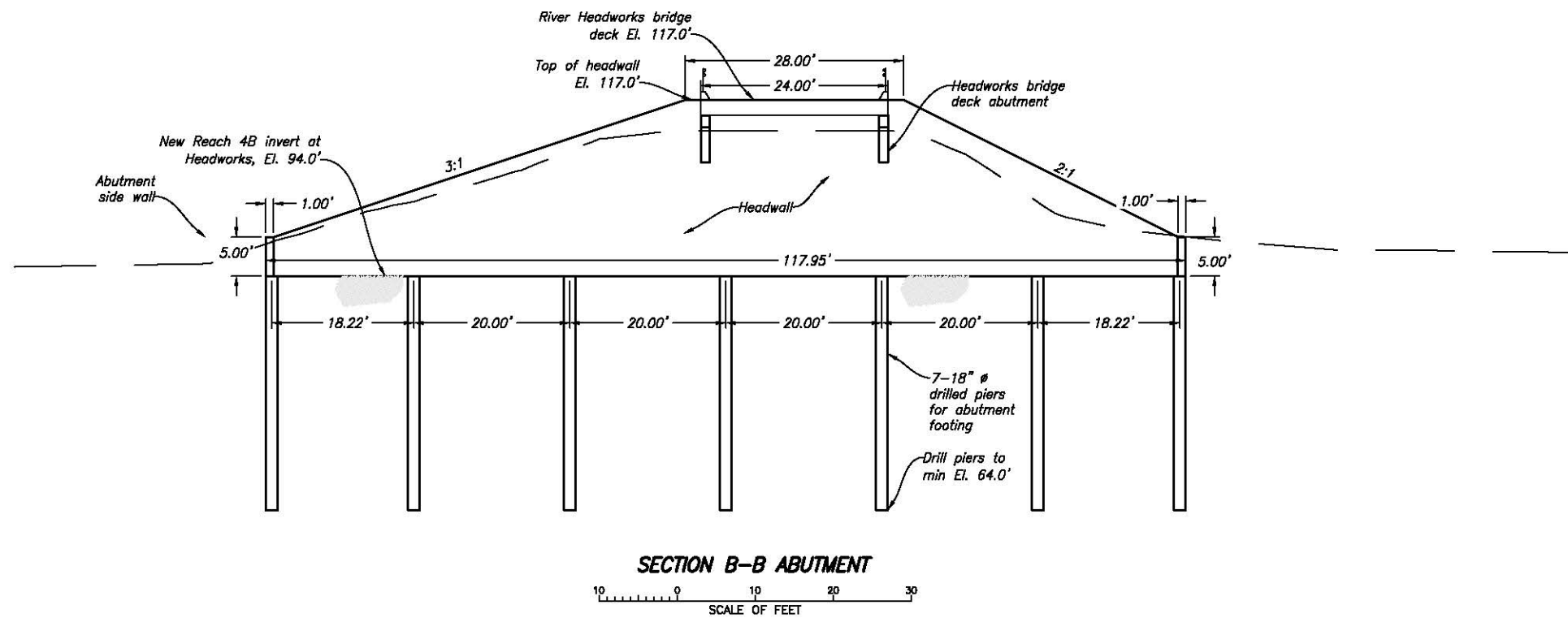
DESIGNED _____
DRAWN _____
CHECKED _____
TECH. APPR. _____
APPROVED _____
DENVER, COLORADO OCTOBER 2011

FIGURE 1-6
SHEET 1 OF 2



DATE AND TIME PLOTTED
PLOT FROM
PLOTTED BY
PLOT NUMBER

CAD SYSTEM
AND/OR
CAD RELEASE
UNKNOWN



FOR ALWAYS THINK SAFETY

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
CENTRAL VALLEY PROJECT
FRONT DIVISION - CALIFORNIA

SAN JOAQUIN RIVER RESTORATION PROGRAM
REACH 4B

HEADGATES-ROAD BRIDGE SECTIONS
Not For Alternative Distribution

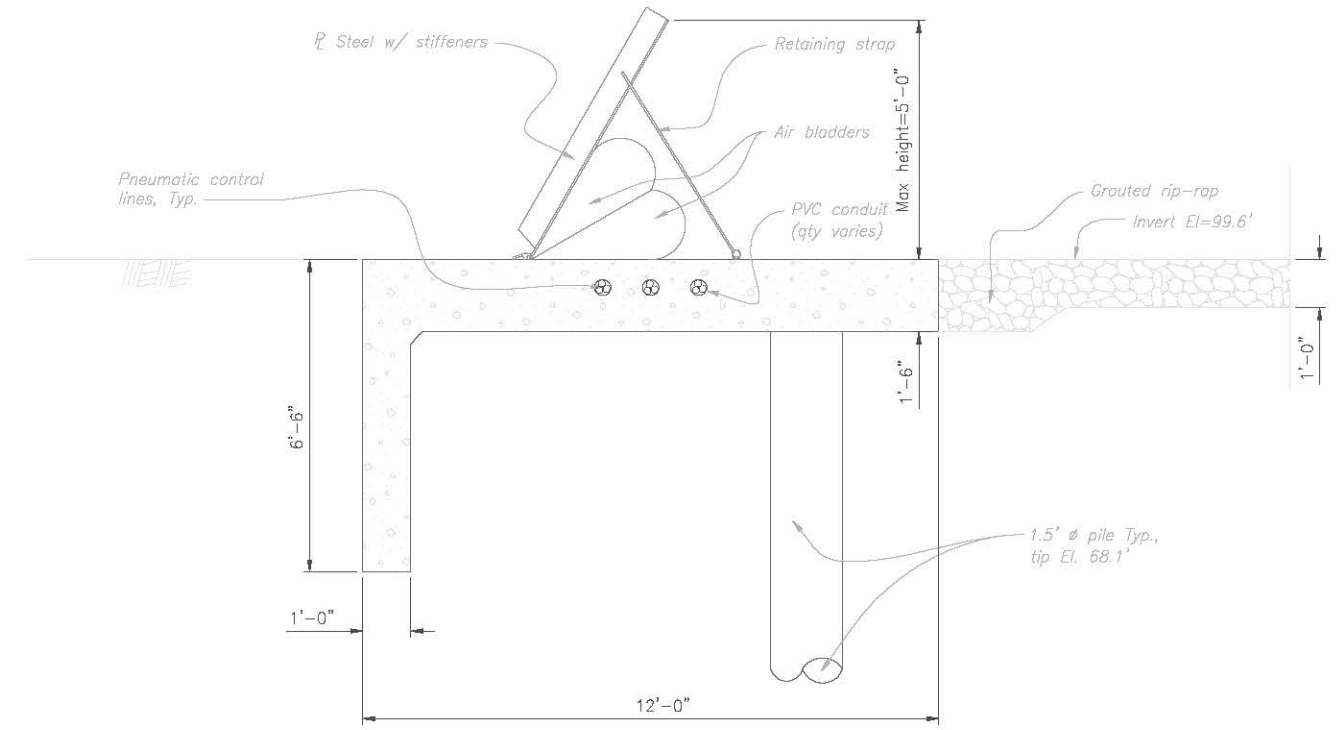
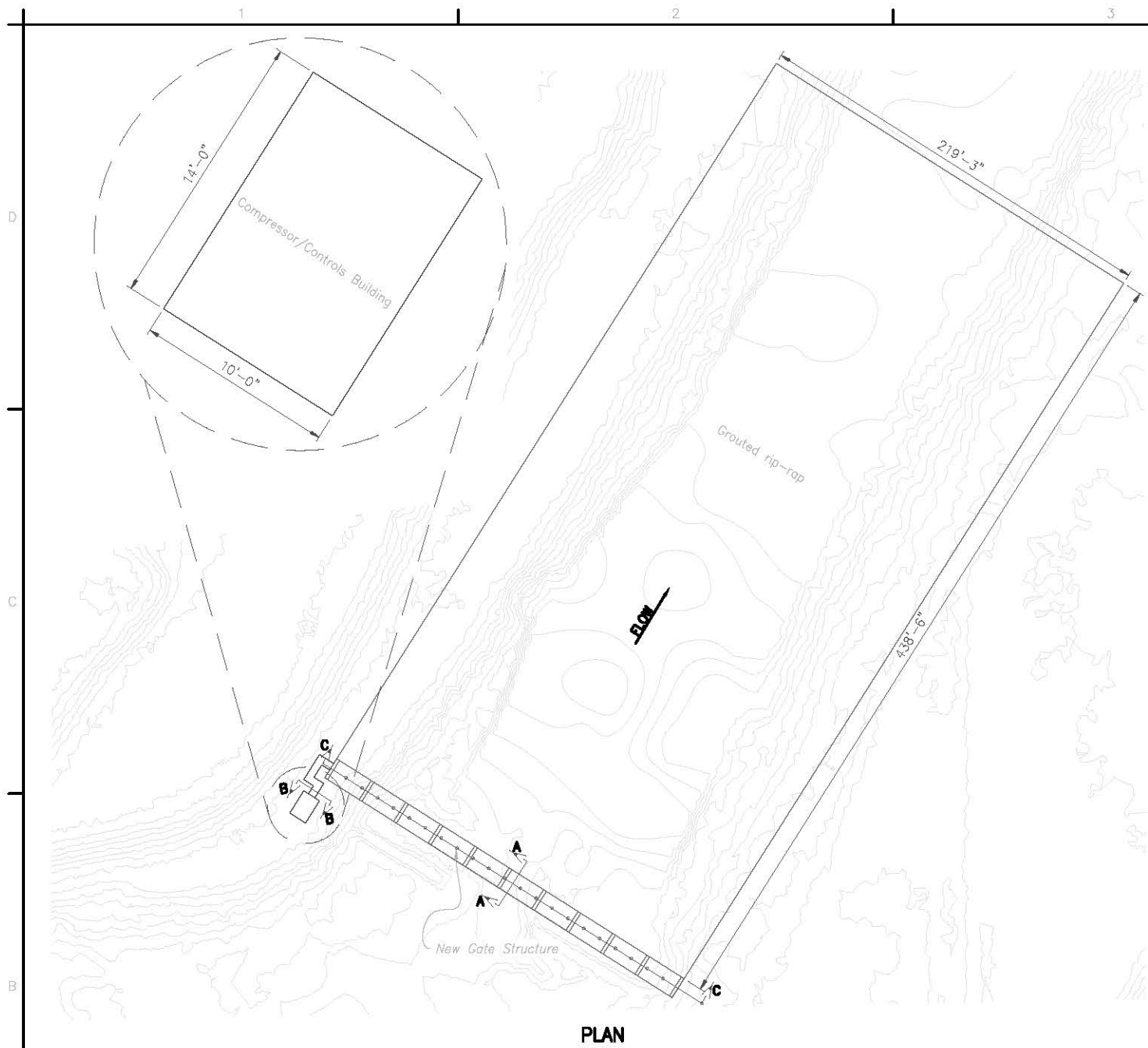
DESIGNED	-----
DRAWN	-----
CHECKED	-----
TECH. APPR.	NAME - TITLE
APPROVED	NAME - TITLE
DENVER, COLORADO	OCTOBER 2011

FIGURE 1-6

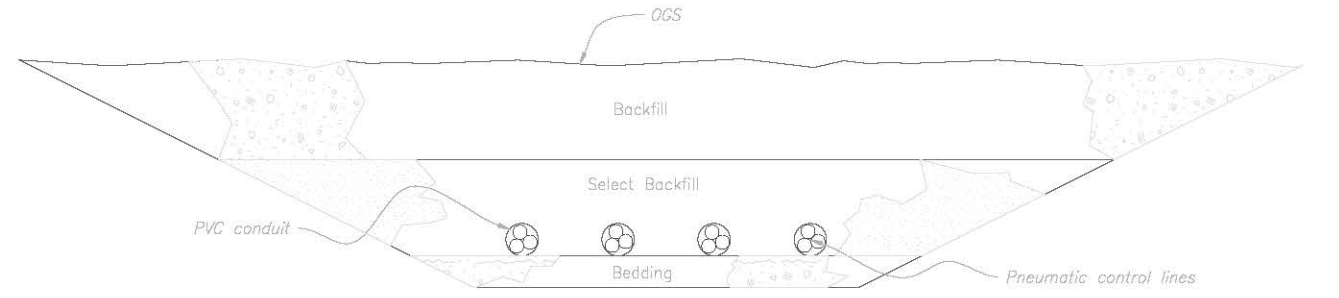
DATE AND TIME PLOTTED
FILE NAME
PLOTTED BY
NOT PRINTED

CAD SYSTEM
AND/OR
CAD RELEASE
UNKNOWN

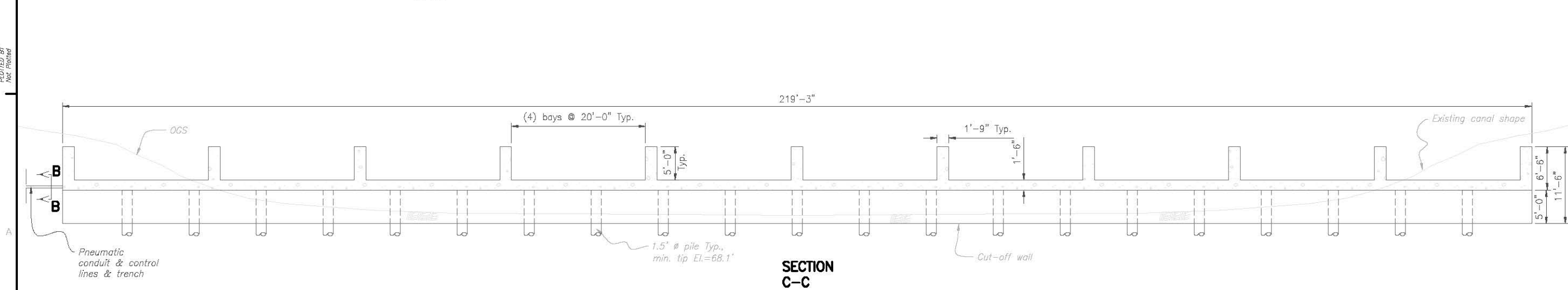
SAND SLOUGH CONTROL STRUCTURE



SECTION A-A



SECTION B-B
Control Line Trench



SECTION C-C

Note:
1. Compressor/controls building is masonry with steel roof; 10' tall.

ALWAYS THINK SAFETY
 FCA
 THE USE OF THIS DRAWING IS RESTRICTED TO THE PROJECT AND SECTION IDENTIFIED HEREIN.
 ANY OTHER USE WITHOUT THE WRITTEN PERMISSION OF FCA IS PROHIBITED.
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
REACH 4B
 SAND-SLOUGH CONTROL STRUCTURE
 PLAN AND SECTIONS
 Not For Alternative 6...

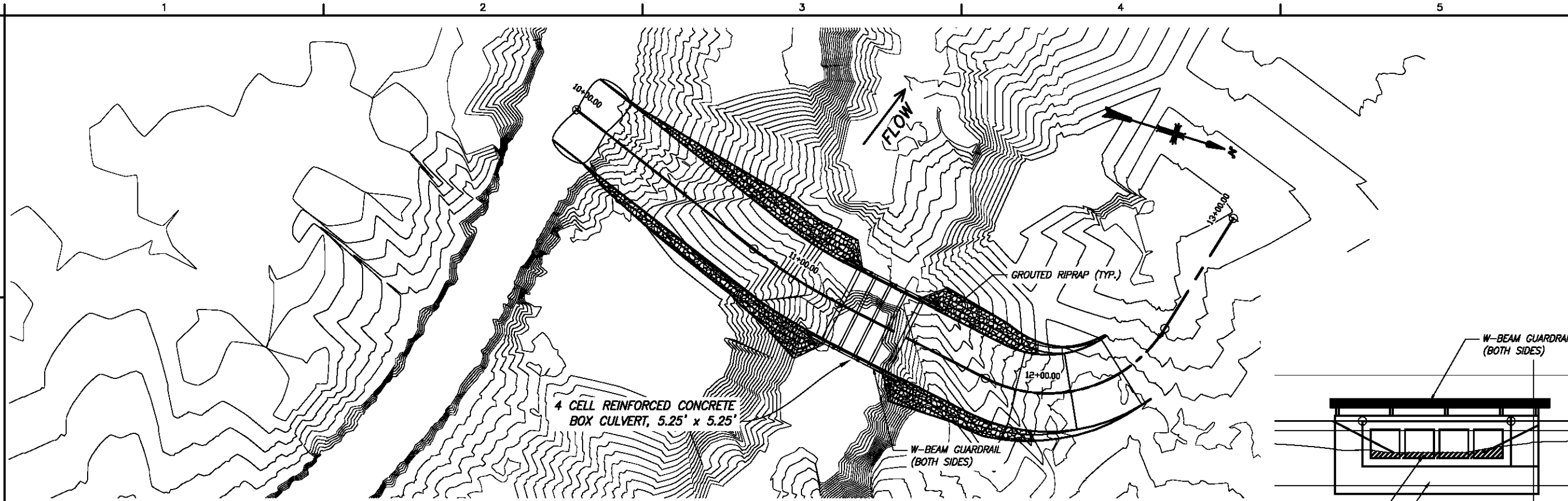
DESIGNED	-----
DRAWN	-----
CHECKED	-----
TECH. APPR.	NAME - TITLE
APPROVED	NAME - TITLE
DENVER, COLORADO	OCTOBER 201

DATE AND TIME PLOTTED
NOT PLOTTED

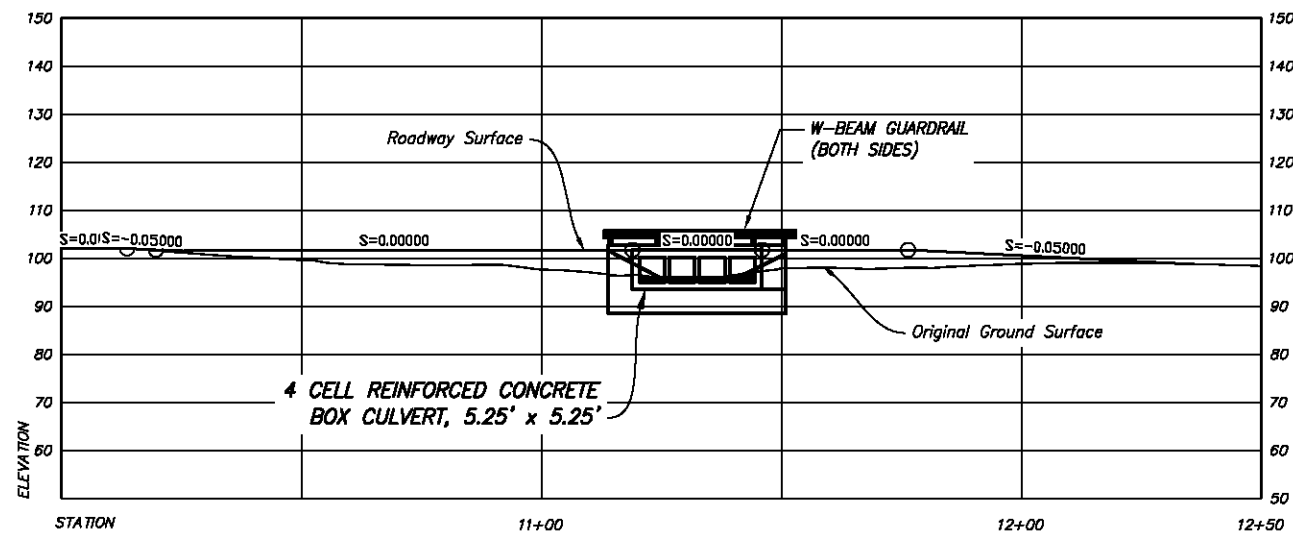
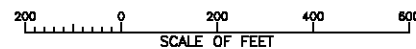
CDS SYSTEM
AUTOCAD
CDS FILENAME
UNITS:MM

ALTERNATIVE 2 (OLD ALTERNATIVE 1)

CROSSING #0



PLAN - Crossing 0



PROFILE - Crossing 0

ALWAYS THINK SAFETY

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
CENTRAL VALLEY PROJECT
FRONT DIVISION - CALIFORNIA

SAN JOAQUIN RIVER RESTORATION PROGRAM

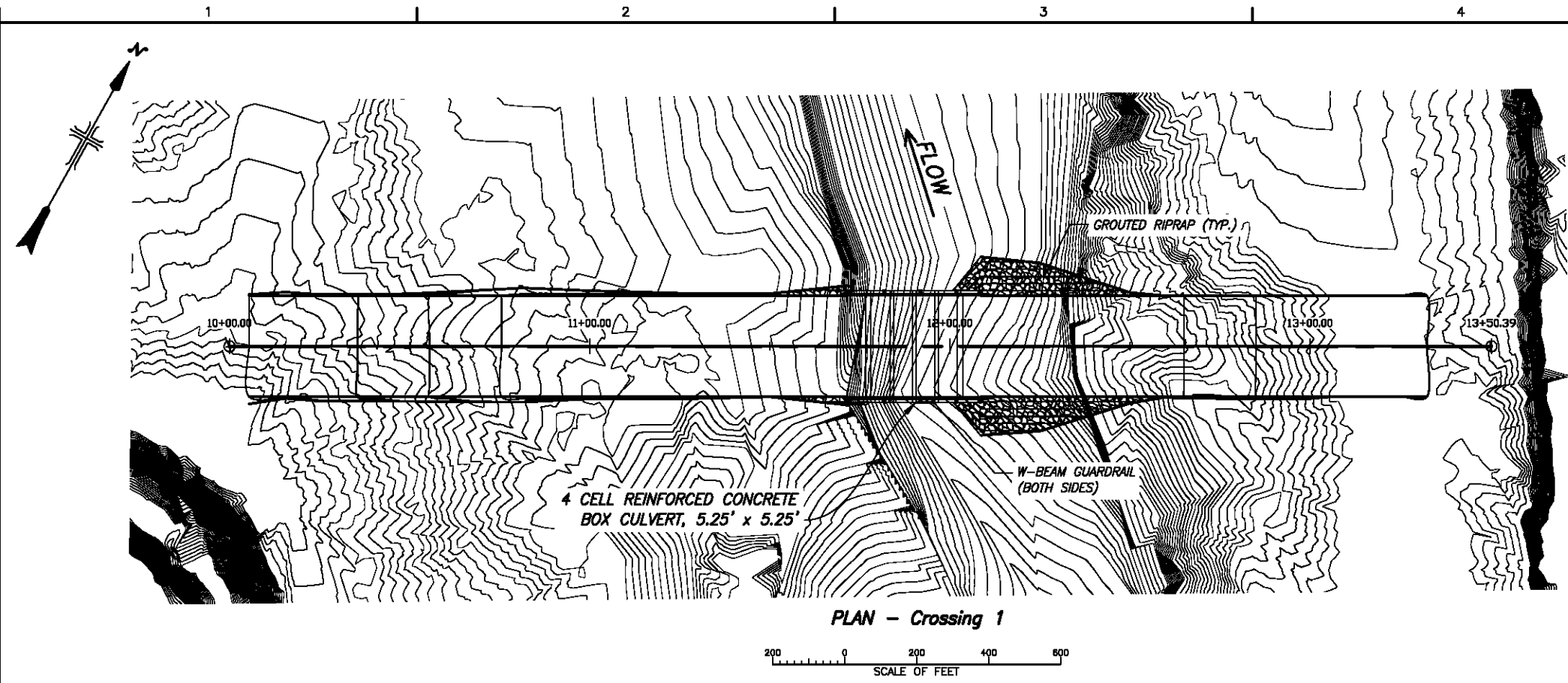
REACH 4B

CROSSING 0

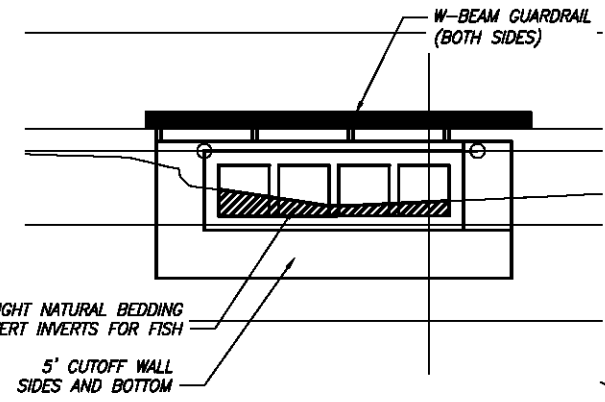
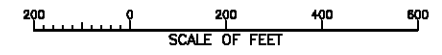
Not Final Profile and Sections Alternative Distribution

DESIGNED _____
DRAWN _____
CHECKED _____
TECH. APPR. _____
APPROVED _____
DENVER, COLORADO OCTOBER 2017

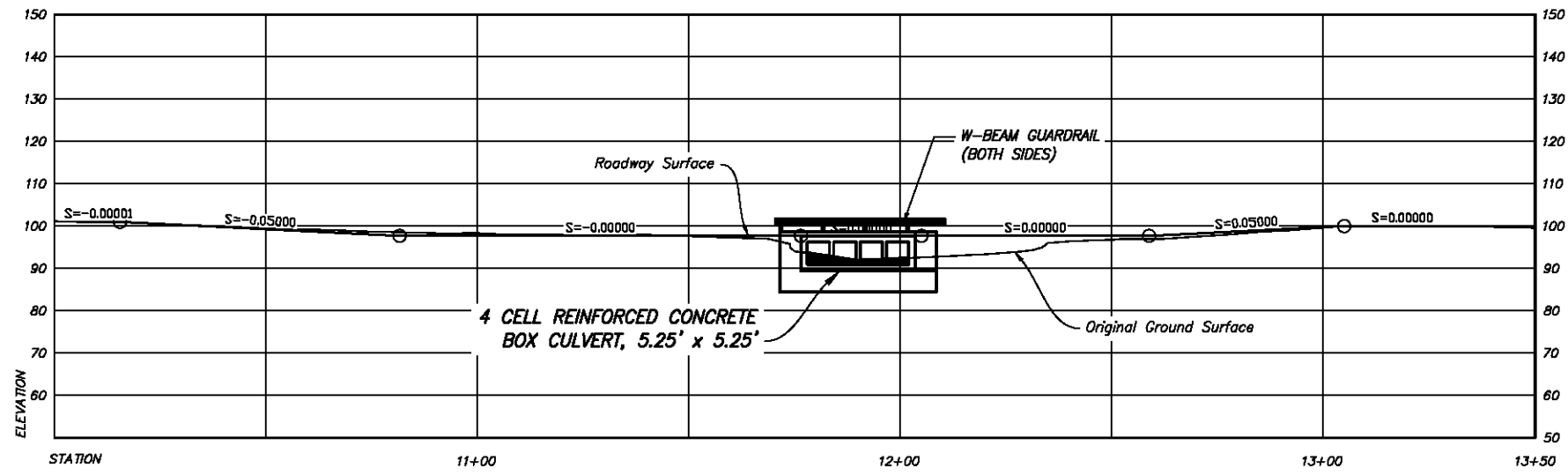
CROSSING #1



PLAN - Crossing 1



20% HEIGHT NATURAL BEDDING
IN CULVERT INVERTS FOR FISH
5' CUTOFF WALL
SIDES AND BOTTOM



PROFILE - Crossing 1

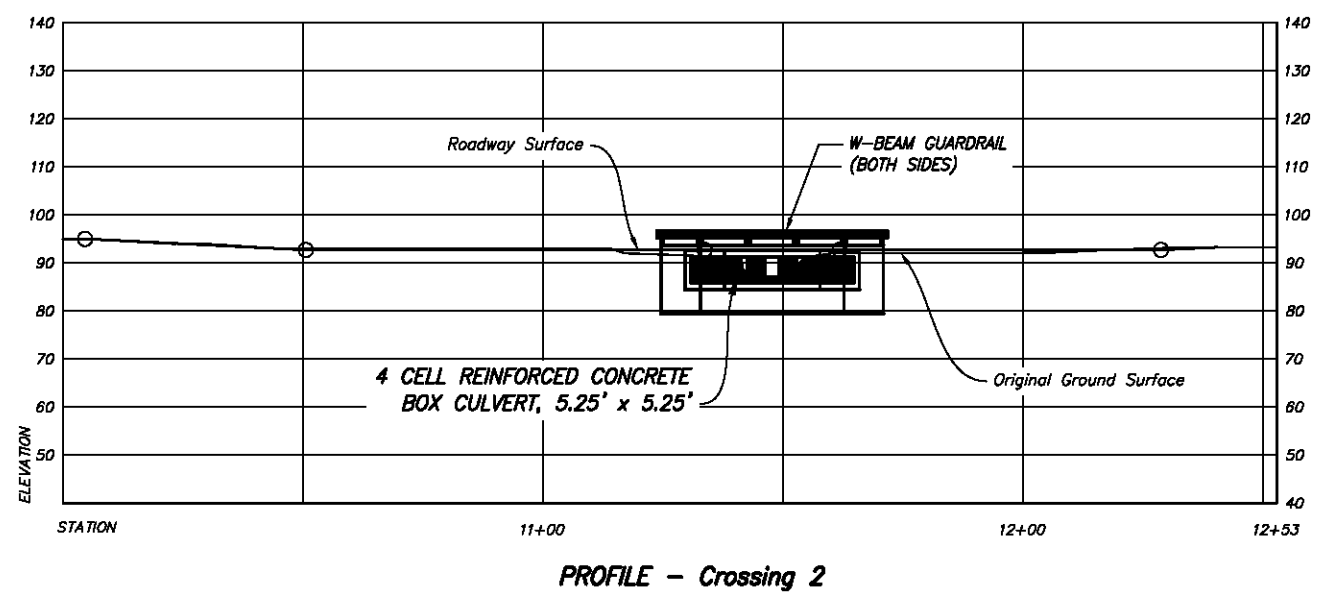
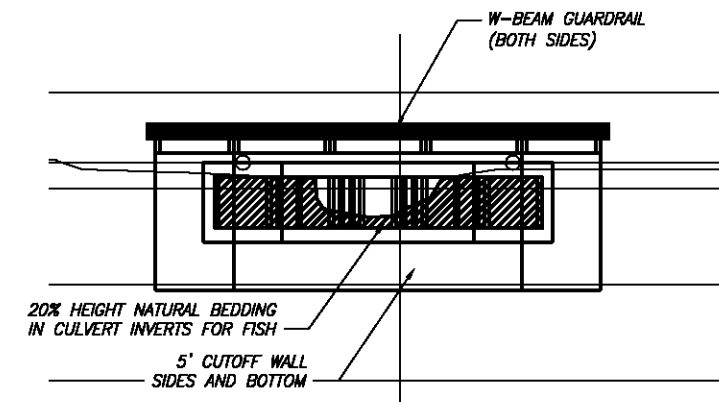
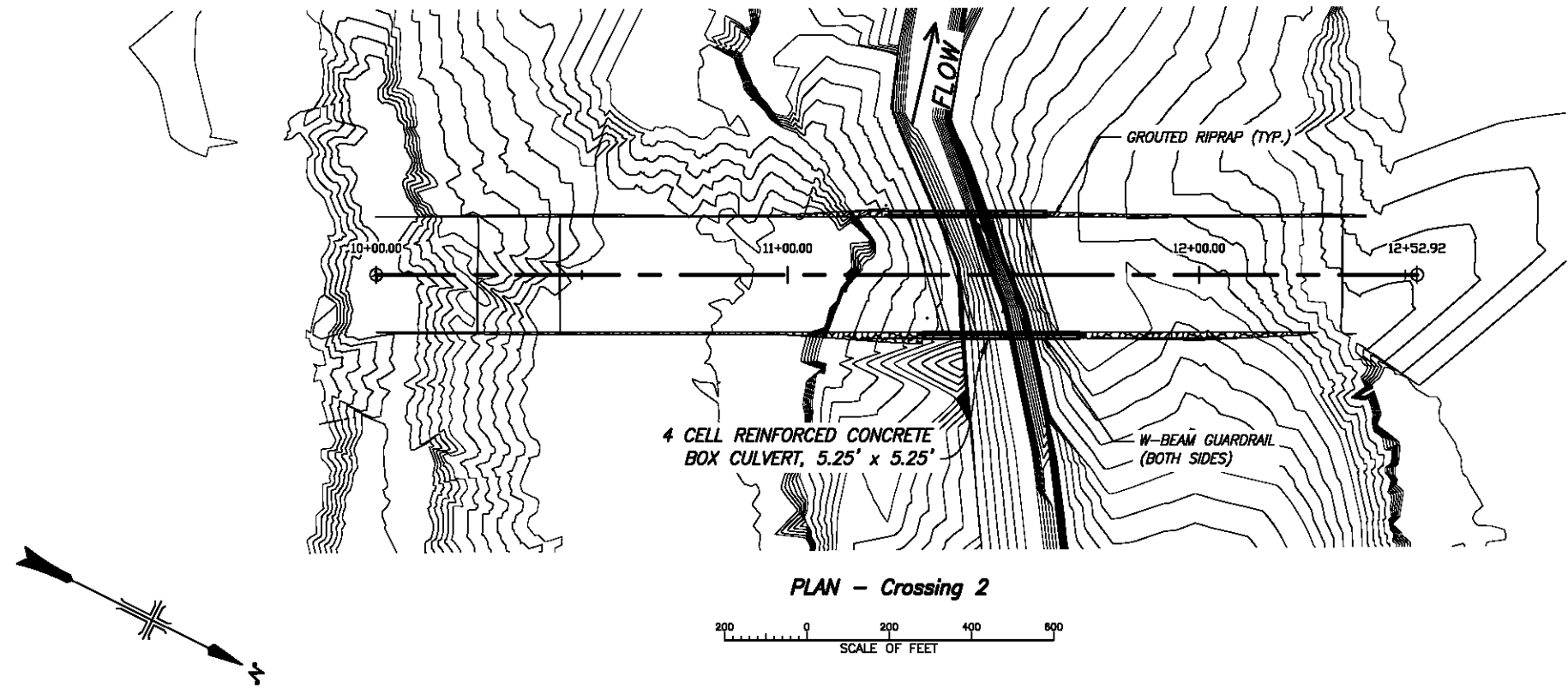
For Internal Use
 Draft
 ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
 SAN JOAQUIN RIVER RESTORATION PROGRAM
 BEACH 4B
 CROSSING 1
 PLAN, PROFILE, AND SECTIONS
 ALTERNATIVE 1

DESIGNED	-----
DRAWN	-----
CHECKED	-----
TECH. APPR.	NAME - TITLE
APPROVED	PETER REINERD - NAME - TITLE
DENVER, COLORADO	OCTOBER 2017

DATE AND TIME PLOTTED
 NAME AND TITLE
 PLOTTED BY
 Plot Number

CAD SYSTEM
 AND/OR
 CAD RELEASE
 UNKNOWN

CROSSING #2



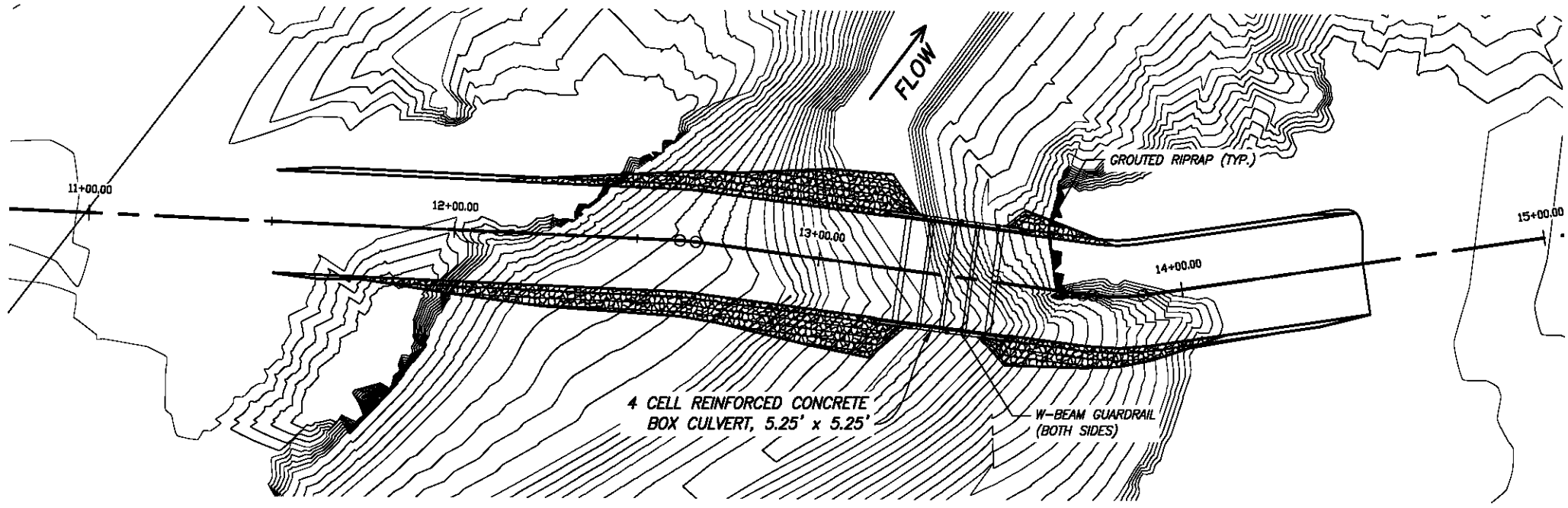
For Internal Use
 Draft
 ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
 SAN JOAQUIN RIVER RESTORATION PROGRAM
 BEACH 4B
 CROSSING 2
 PLAN, PROFILE, AND SECTIONS
 ALTERNATIVE 1

DESIGNED -----
 DRAWN -----
 CHECKED -----
 TECH. APPR. NAME - TITLE -----
 APPROVED PETER REINER NAME - TITLE -----
 DENVER, COLORADO OCTOBER 2011

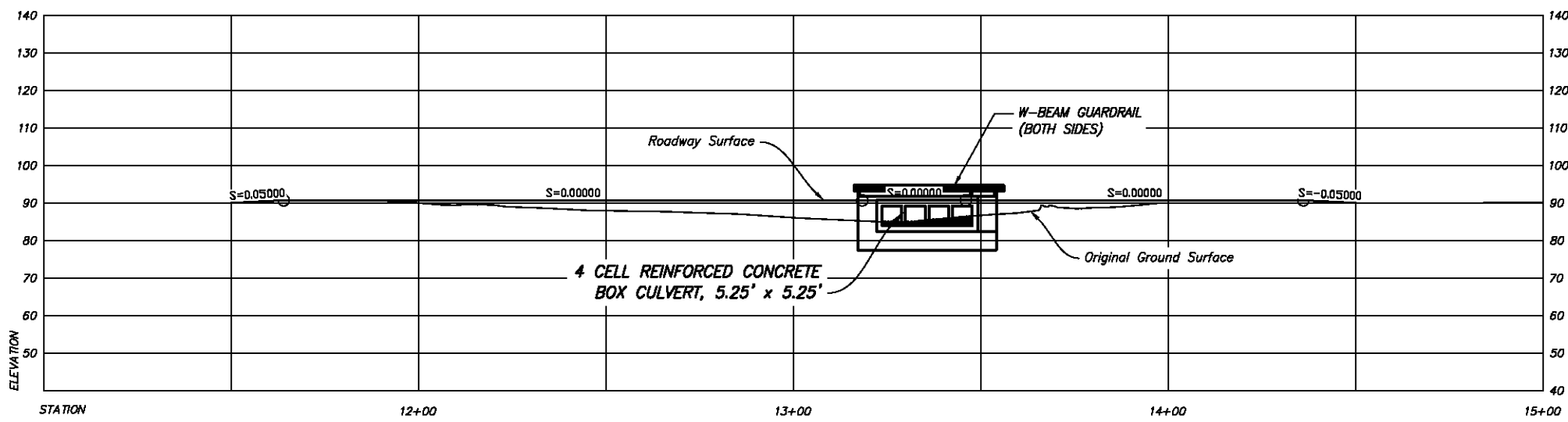
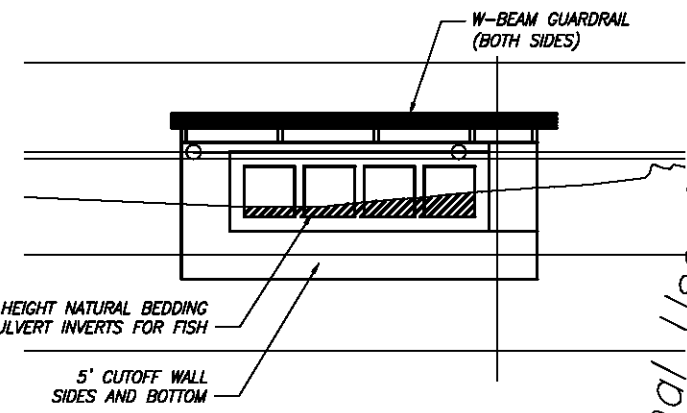
DATE AND TIME PLOTTED
 NAME AND TITLE
 PLOTTED BY
 Plot Profile

CAD SYSTEM
 AND/OR
 CAD RELEASE
 UNKNOWN

CROSSING #3



PLAN - Crossing 3
SCALE OF FEET
0 200 400 600



PROFILE - Crossing 3

For Internal Use Only
 ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FERRIS DIVISION - CALIFORNIA
 SAN JOAQUIN RIVER RESTORATION PROGRAM
 BEACH 48 CROSSING 3
 PLAN, PROFILE, AND SECTIONS
 ALTERNATIVE 1

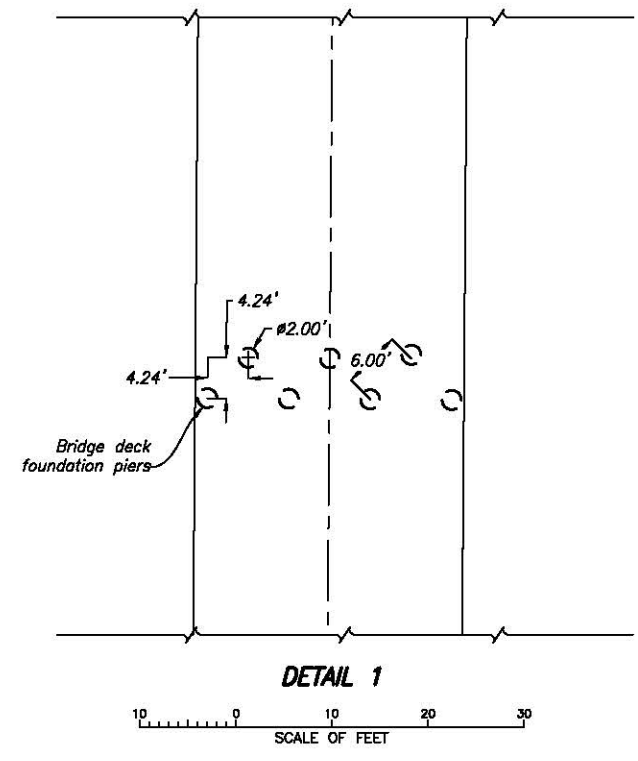
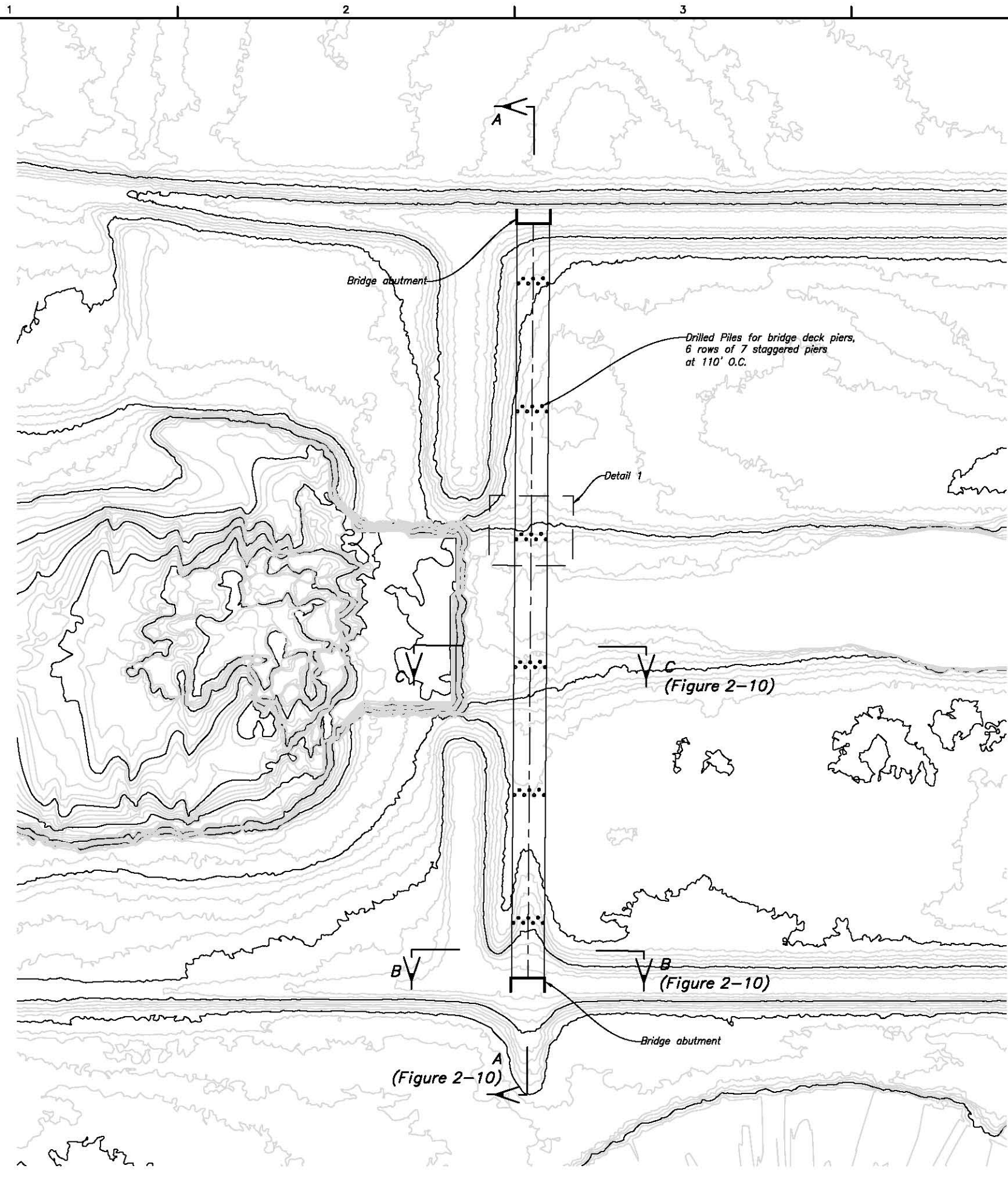
DESIGNED	-----
DRAWN	-----
CHECKED	-----
TECH. APPR.	NAME - TITLE
APPROVED	NAME - TITLE
DENVER, COLORADO OCTOBER 2011	

FIGURE 2-8

DATE AND TIME PLOTTED
 NAME AND TITLE
 PLOTTED BY
 NOT PLOTTED

CAD SYSTEM
 AND/OR
 CAD FILENAME
 UNKNOWN

MARIPOSA BYPASS CROSSING



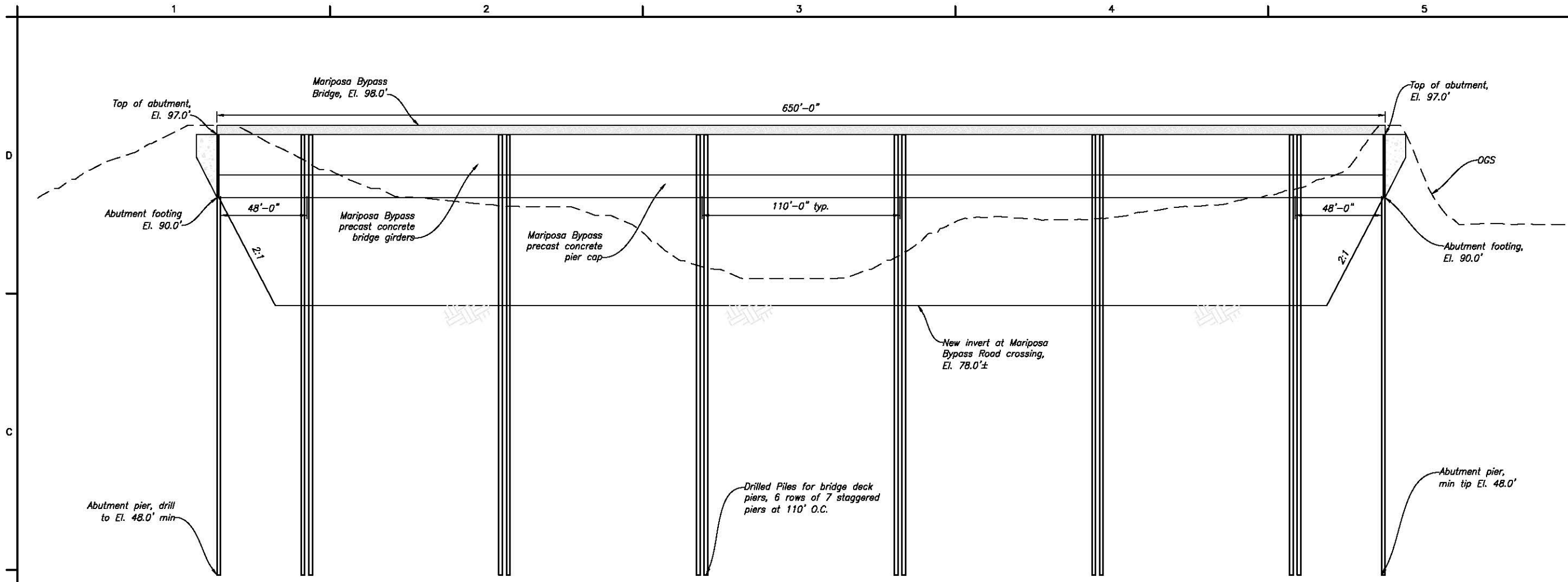
DATE AND TIME PLOTTED
BY
PLotted BY
Not Printed

CAD SYSTEM
AND/OR
CAD FILENAME
UNKNOWN

ALWAYS THINK SAFETY
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
CENTRAL VALLEY PROJECT
FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
REACH 4B1
 MARIOSA BYPASS ROAD BRIDGE
 PLAN
 Not For Alternative Distribution

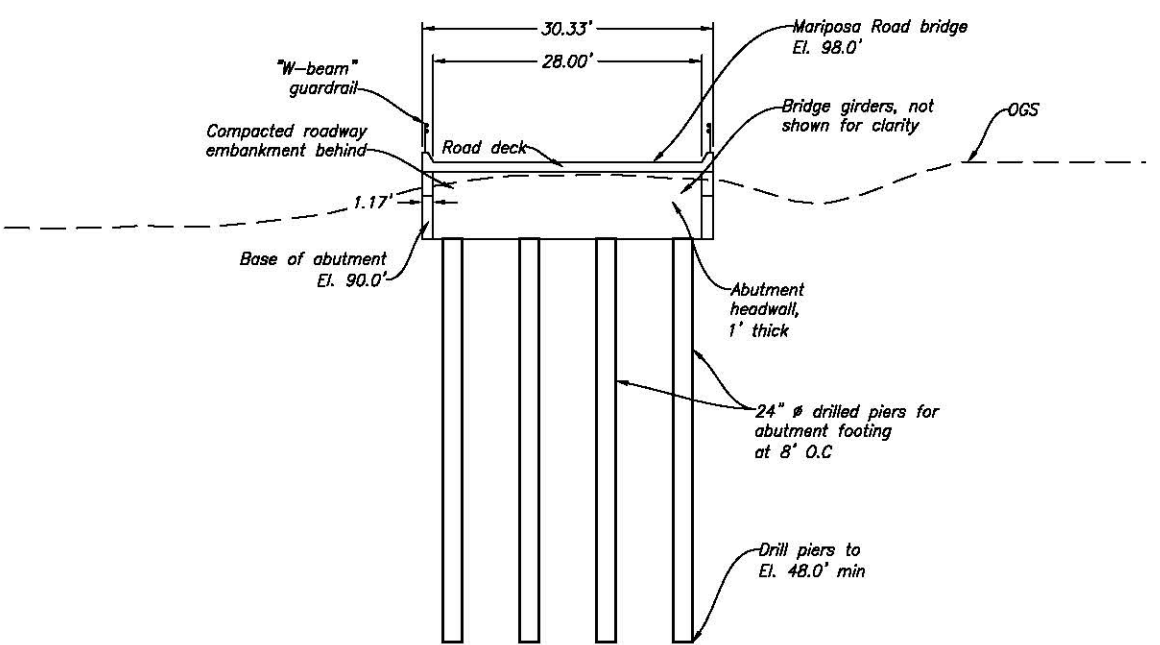
DESIGNED _____
 DRAWN _____
 CHECKED _____
 TECH. APPR. _____
 APPROVED _____
FOR REVIEW - NAME - TITLE
 DENVER, COLORADO OCTOBER 2011

FIGURE 2-10
SHEET 1 OF 2



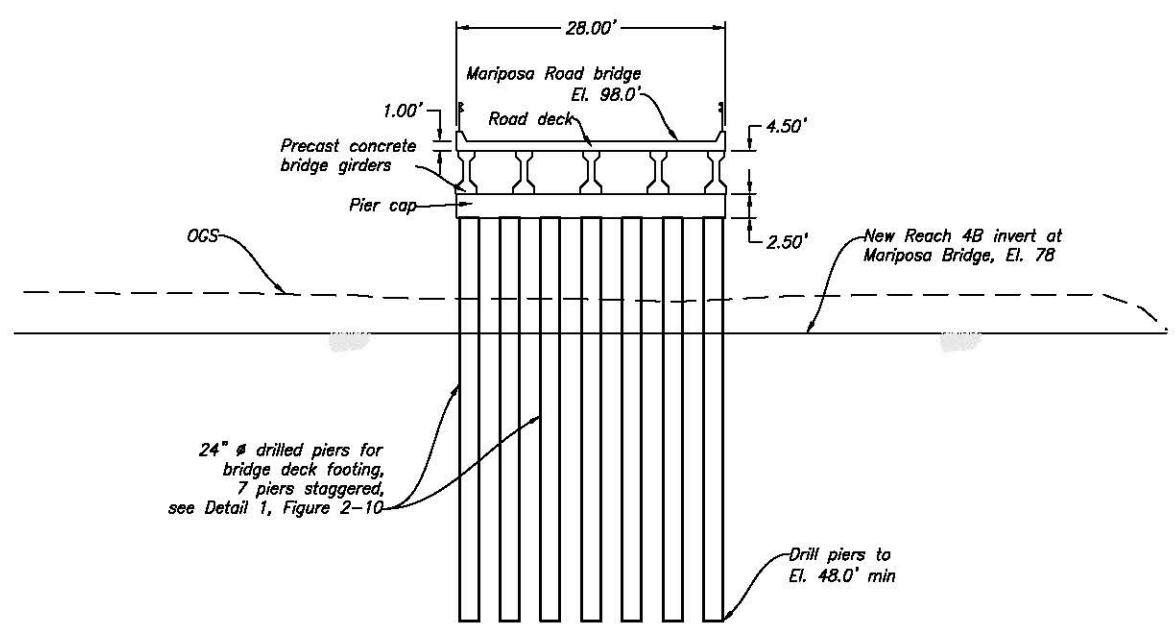
SECTION A-A
MARIPOSA BYPASS ROAD BRIDGE CENTERLINE

SCALE OF FEET



SECTION B-B
MARIPOSA ROAD BRIDGE ABUTMENT

SCALE OF FEET



SECTION C-C
MARIPOSA ROAD BRIDGE PIERS

SCALE OF FEET

DATE AND TIME PLOTTED
AND FINISH
PLOTTED BY
NOT PRINTED

CAD SYSTEM
AND/OR
CAD RELEASE
UNKNOWN

ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
 REACH 4B
 MARIPOSA BYPASS ROAD BRIDGE
 PROFILE AND SECTIONS
 NOT FOR ALTERNATIVE DISTRIBUTION

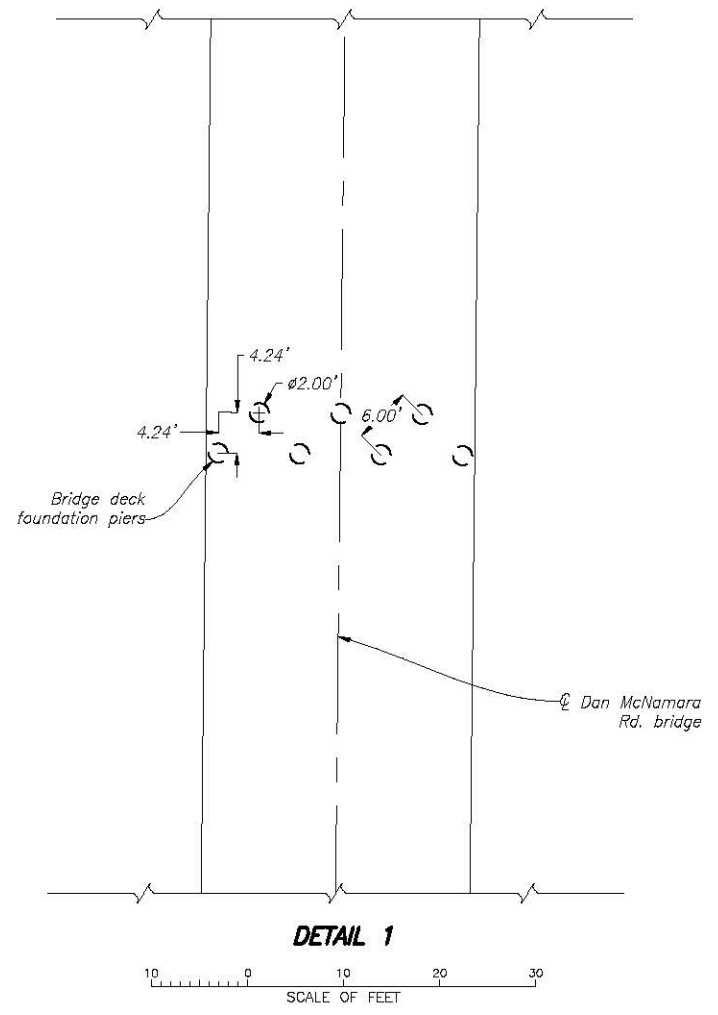
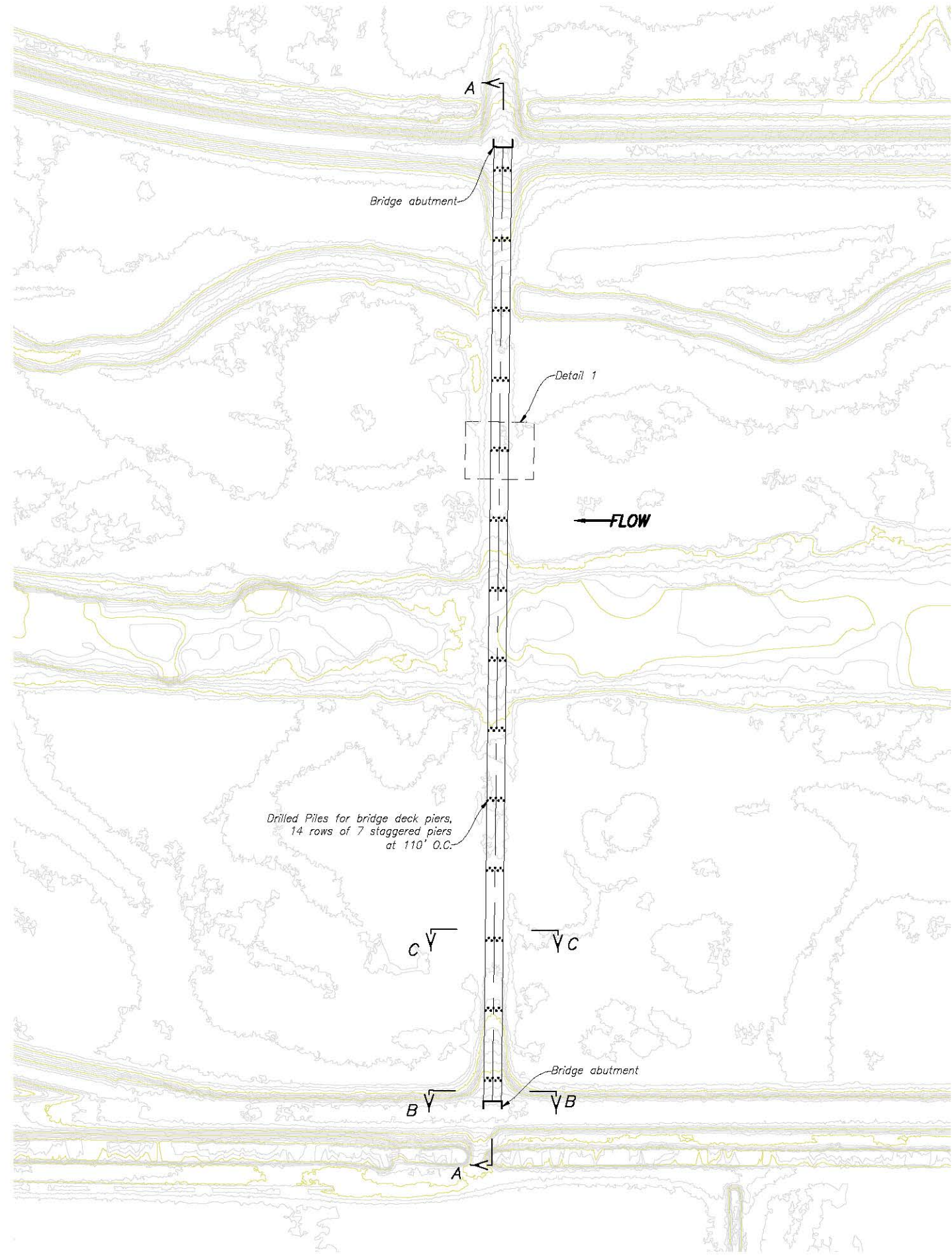
DESIGNED	-----
DRAWN	-----
CHECKED	-----
TECH. APPR.	NAME - TITLE
APPROVED	NAME - TITLE
DENVER, COLORADO	OCTOBER 2011

DAN MCNAMARA RD

ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
REACH 4B
 DAN McNAMARA ROAD BRIDGE
 PLAN, PROFILE, AND SECTIONS
 ALTERNATIVE 1
 Not for Distribution

DESIGNED - J. LORBERAU
 DRAWN - A. LATHAM
 CHECKED - J. LORBERAU
 TECH. APPR. - NAME - TITLE
 APPROVED - PEER REVIEWER - NAME - TITLE
 DENVER, COLORADO OCTOBER 2011

FIGURE 2-3
SHEET 1 OF 2

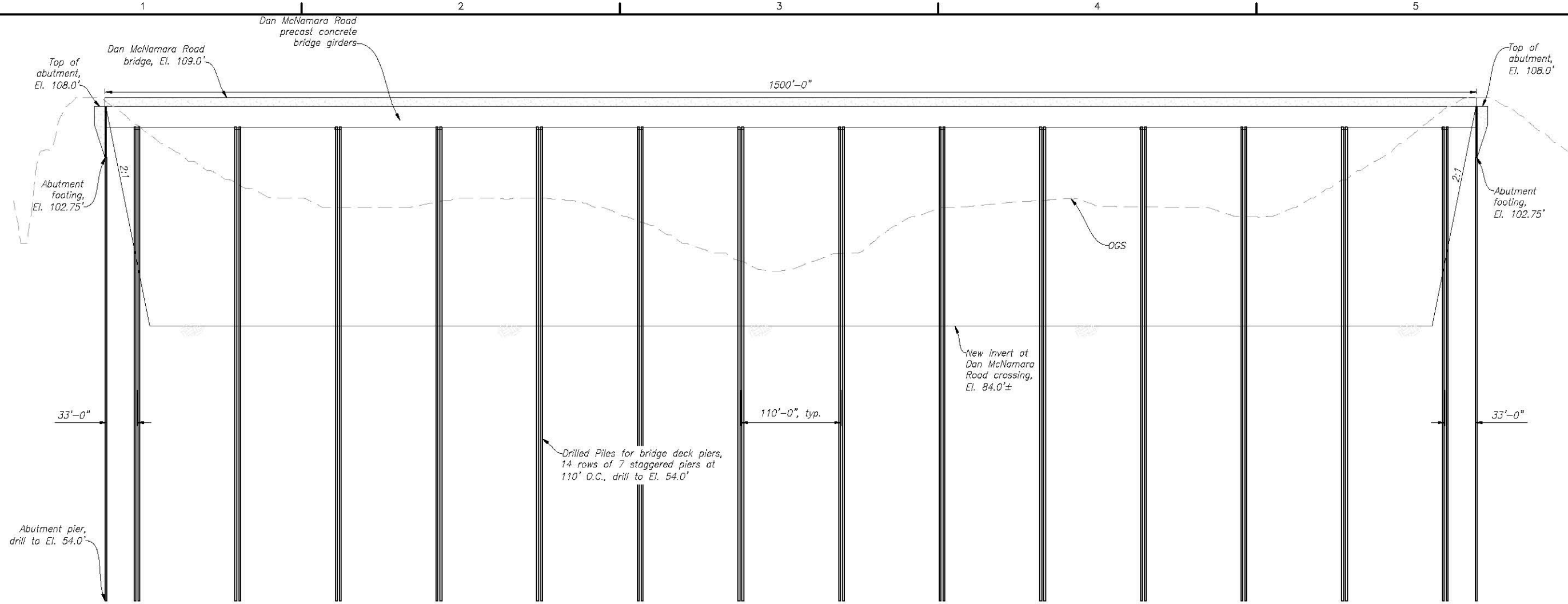


DETAIL 1
SCALE OF FEET

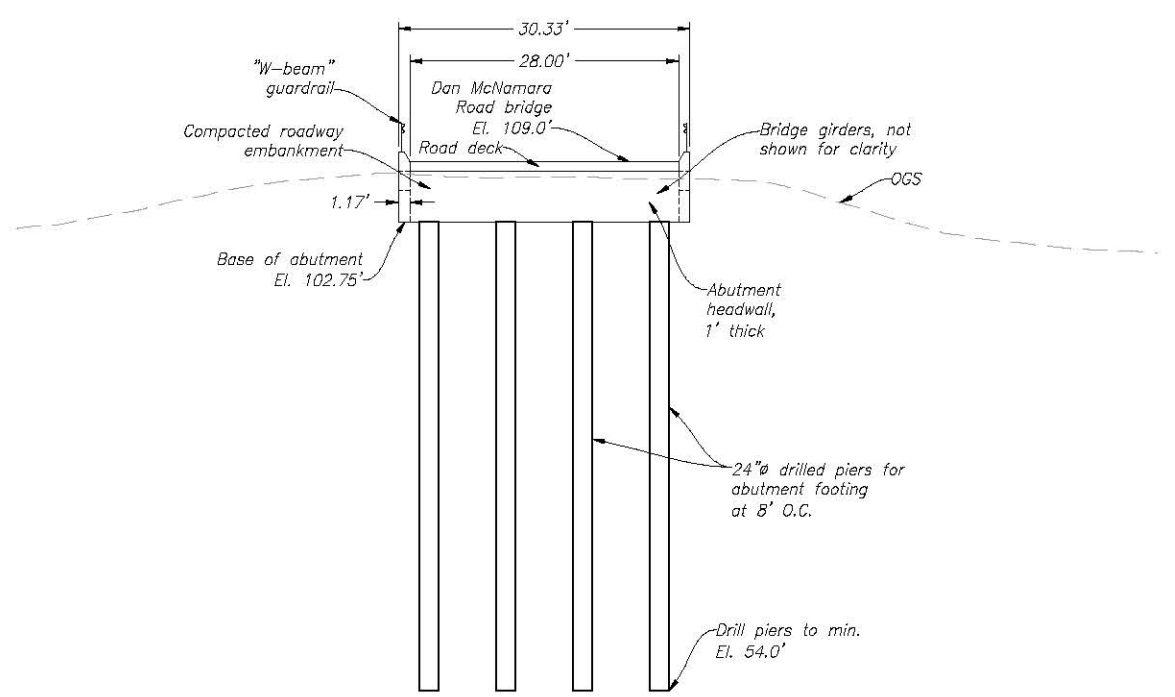
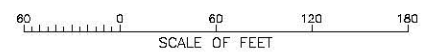
PLAN
SCALE OF FEET

DATE AND TIME PLOTTED
 FILE PLOTTED BY
 CAD SYSTEM
 AUTOCAD
 CAD FILENAME
 D:\PROJECTS

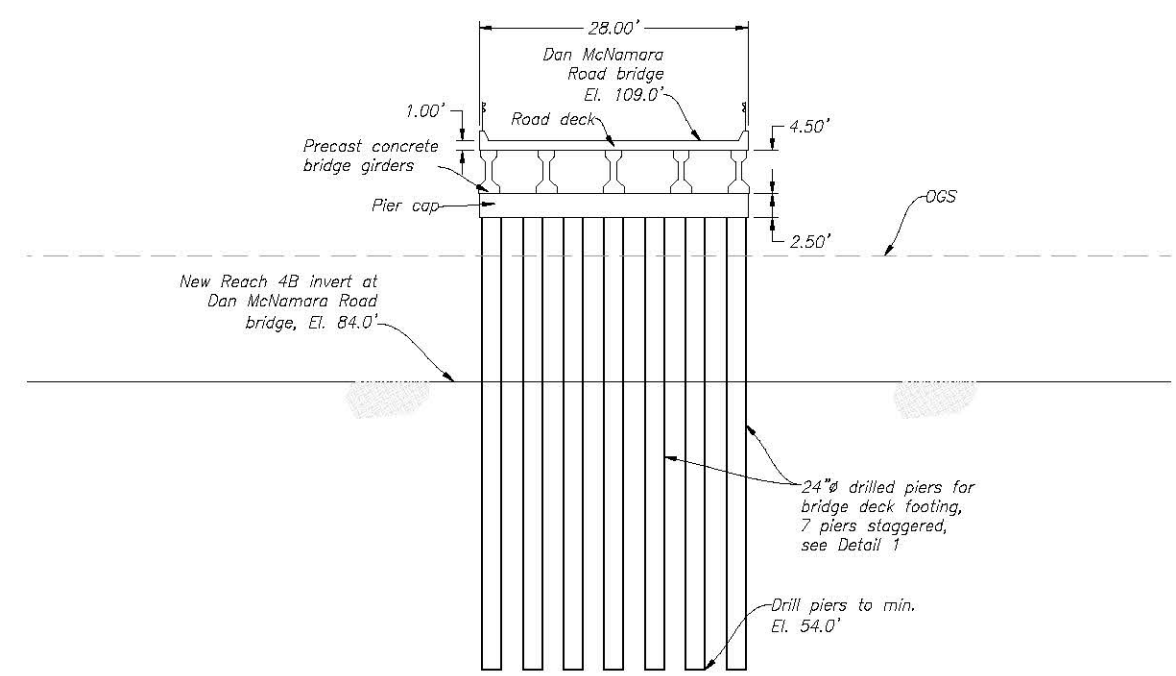
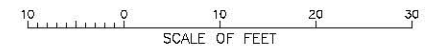




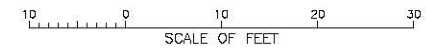
**SECTION A-A
EL NIDO ROAD BRIDGE CENTERLINE**



**SECTION B-B
DAN McNAMARA ROAD BRIDGE ABUTMENT**



**SECTION C-C
DAN McNAMARA ROAD BRIDGE PIERS**



DATE AND TIME PLOTTED
FILE PLOTTED BY
FILE PLOTTED BY

CAD SYSTEM
AUTOCAD
CAD FILENAME
UNRENT

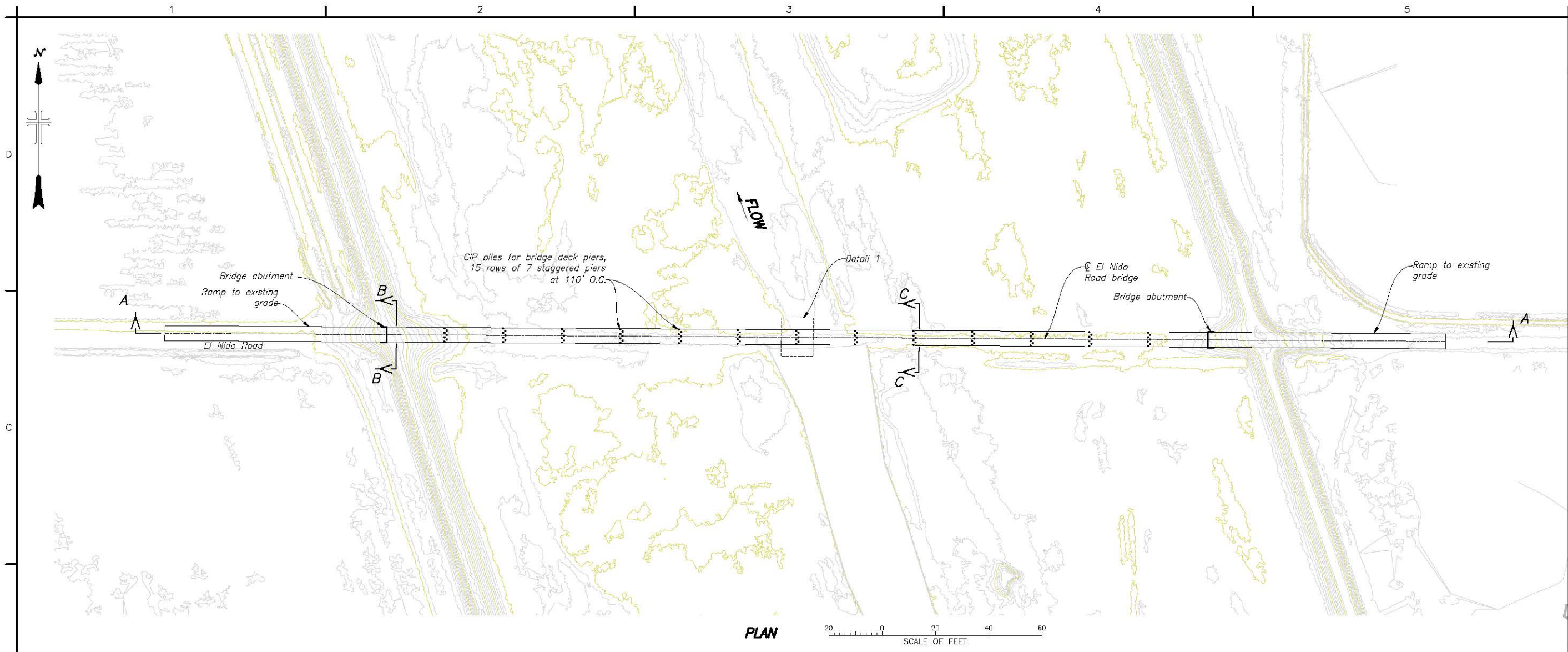
ALWAYS THINK SAFETY

FOR OFFICIAL USE ONLY
SAN JOAQUIN RIVER RESTORATION PROGRAM
REACH 4B
DAN McNAMARA ROAD BRIDGE
PLAN, PROFILE, AND SECTIONS
ALTERNATIVE 1
Not for Distribution

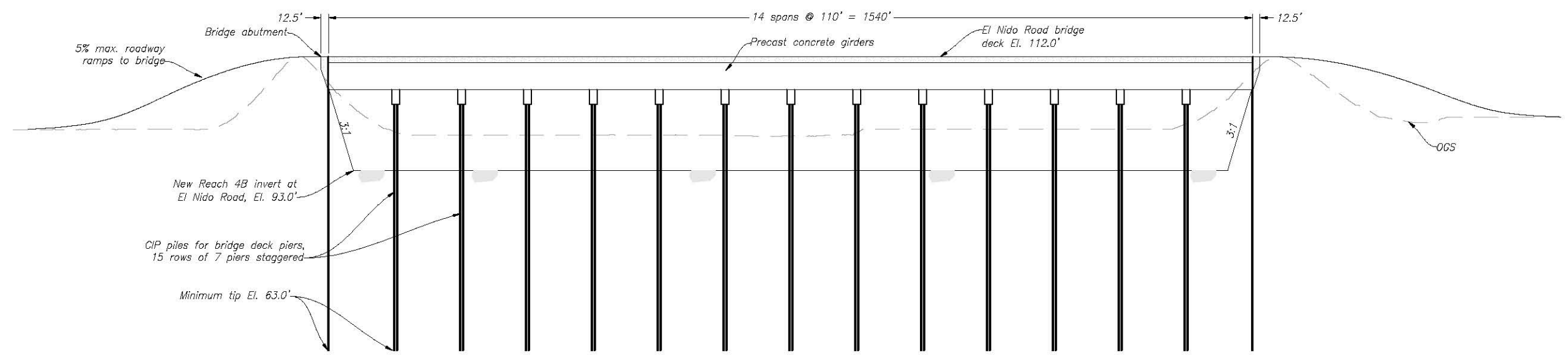
DESIGNED	J. LORBERAU
DRAWN	A. LATHAM
CHECKED	J. LORBERAU
TECH. APPR.	NAME - TITLE
APPROVED	NAME - TITLE
PEER REVIEWER	NAME - TITLE
DENVER, COLORADO	OCTOBER 2011

FIGURE 2-3
SHEET 2 OF 2

W EL NIDO RD



PLAN
SCALE OF FEET
0 20 40 60

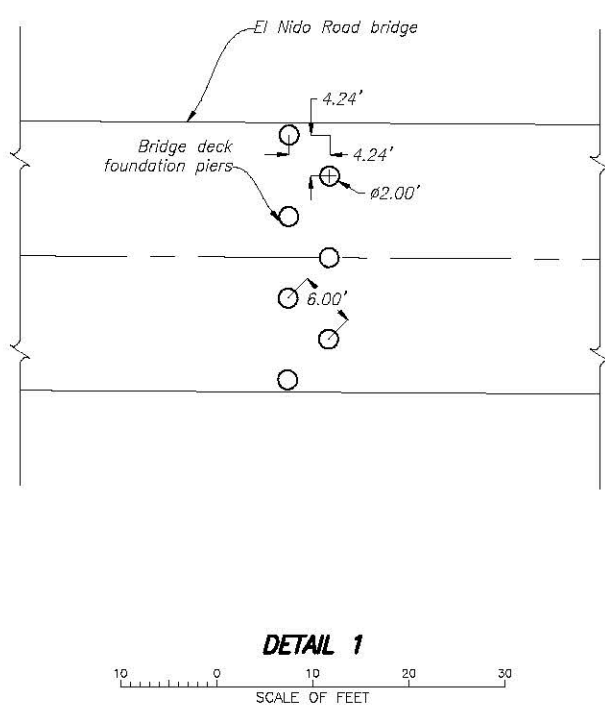
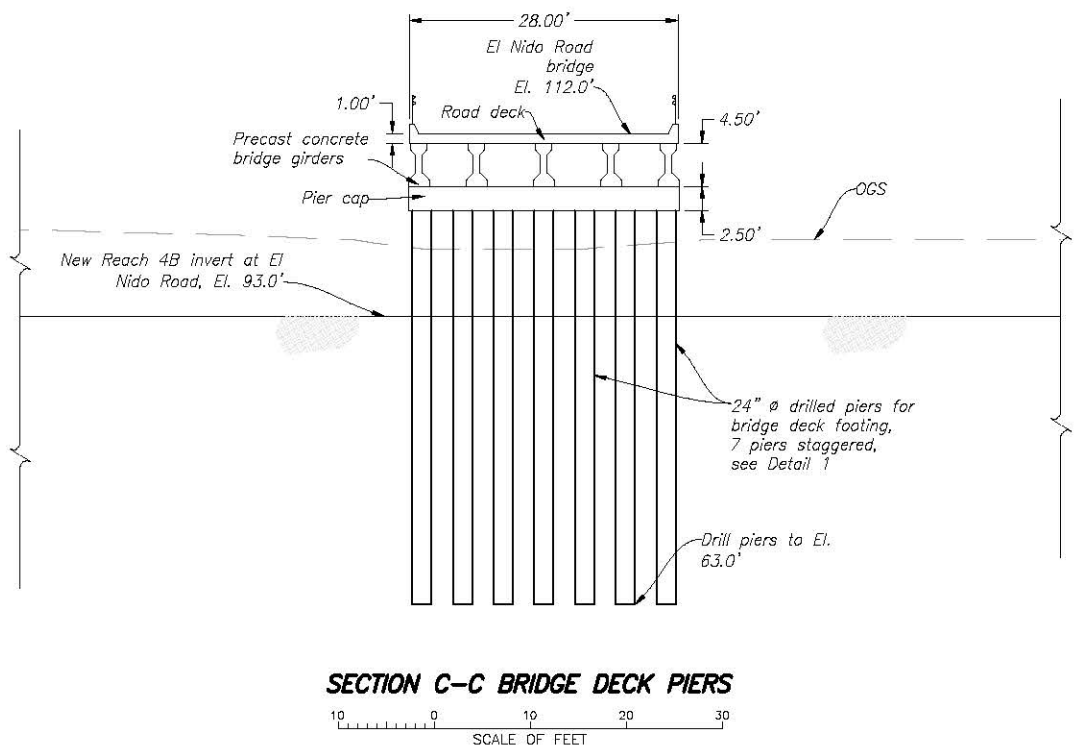
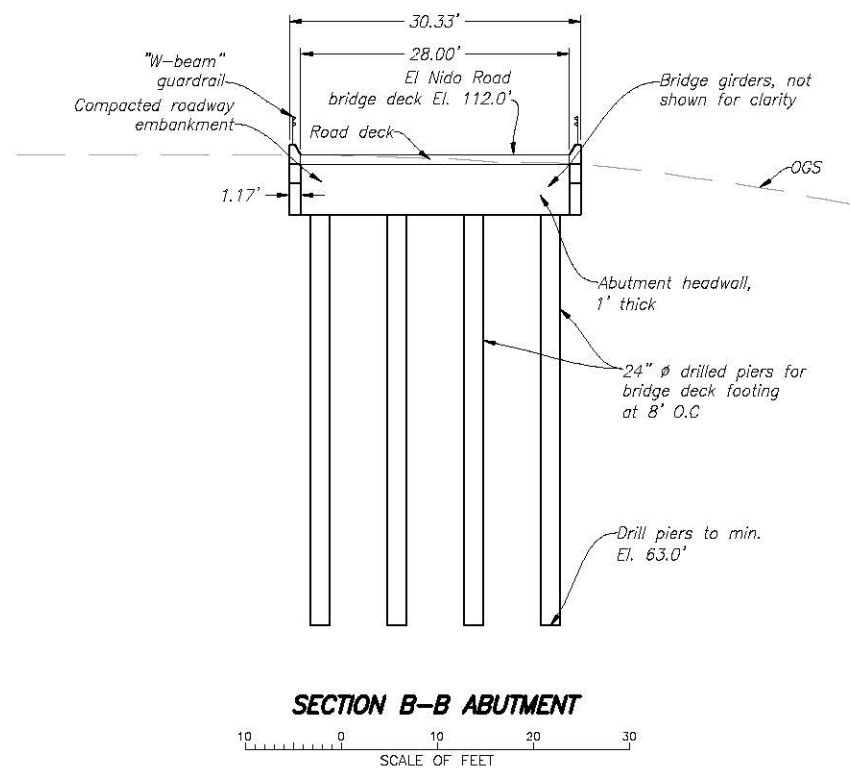


SECTION A-A
EL NIDO ROAD BRIDGE PROFILE
SCALE OF FEET
0 100 200 300

ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRUIT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
REACH 4B
 EL NIDO ROAD BRIDGE
 PLAN AND PROFILE
 ALTERNATIVE 1
 Not For Distribution

DESIGNED	J. LORBERAU
DRAWN	A. LATHAM
CHECKED	J. LORBERAU
TECH. APPR.	NAME - TITLE
APPROVED	NAME - TITLE
DENVER, COLORADO	OCTOBER 2011

FIGURE 2-1
SHEET 1 OF 2



ALWAYS THINK SAFETY

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
CENTRAL VALLEY PROJECT
FRONT DIVISION - CALIFORNIA

SAN JOAQUIN RIVER RESTORATION PROGRAM
EL NIDO ROAD BRIDGE
SECTIONS AND DETAIL
ALTERNATIVE 1

Not For Distribution

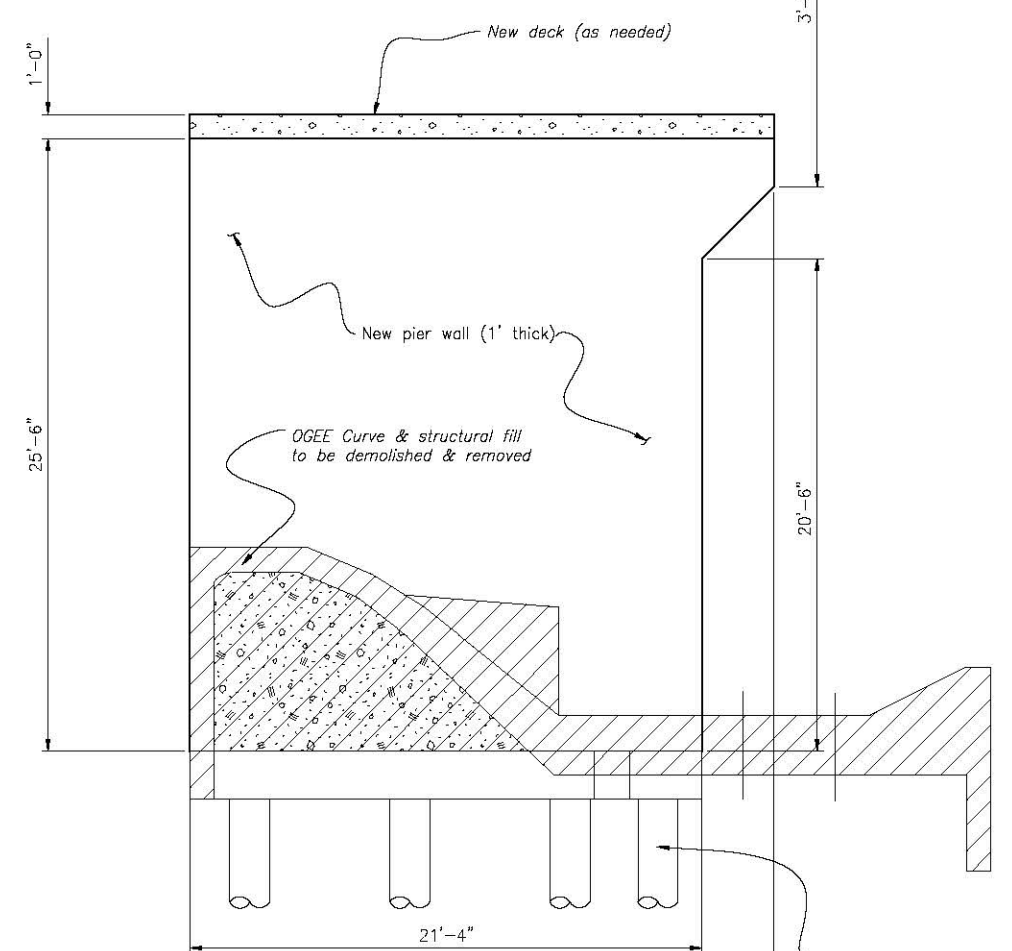
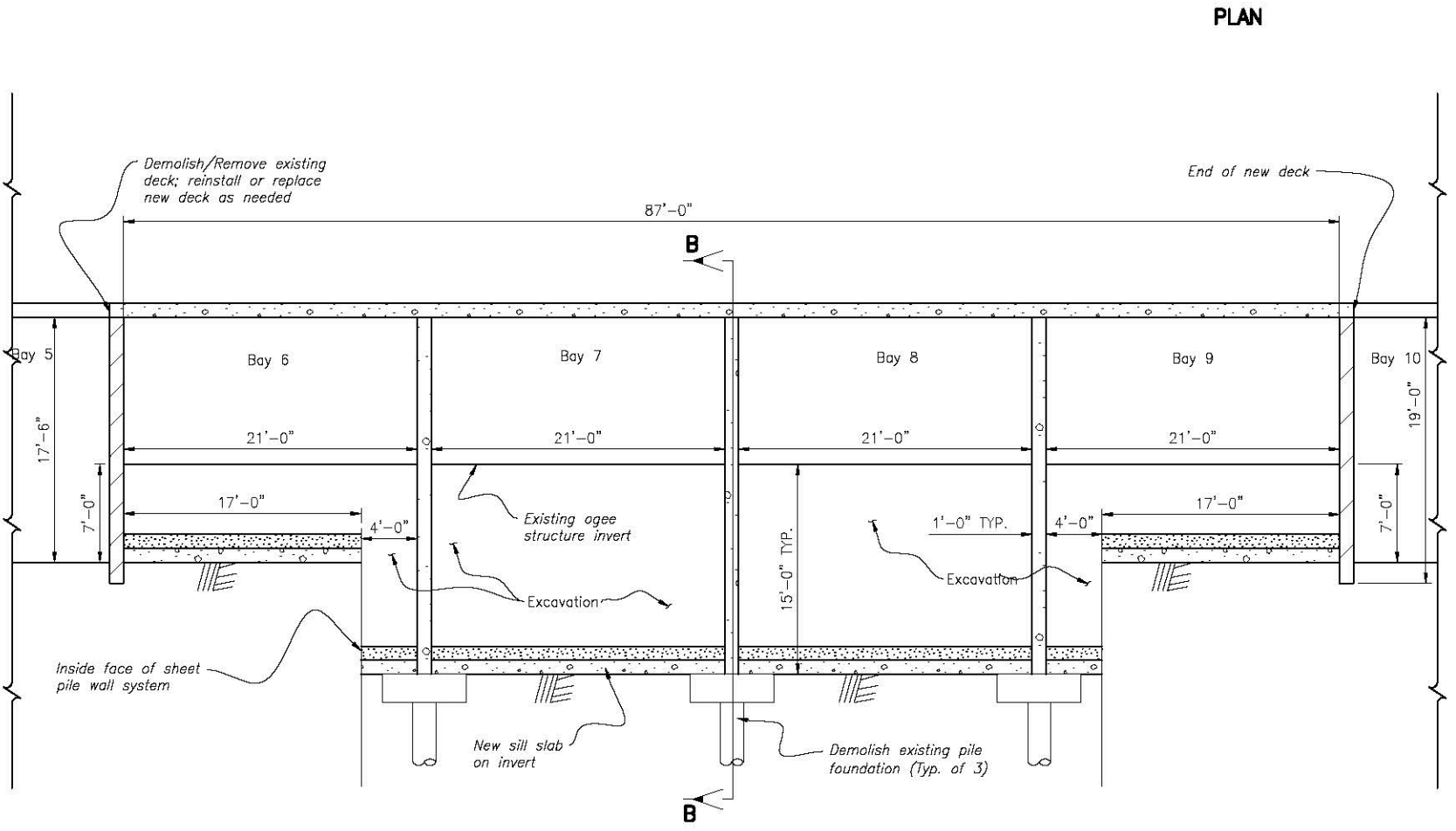
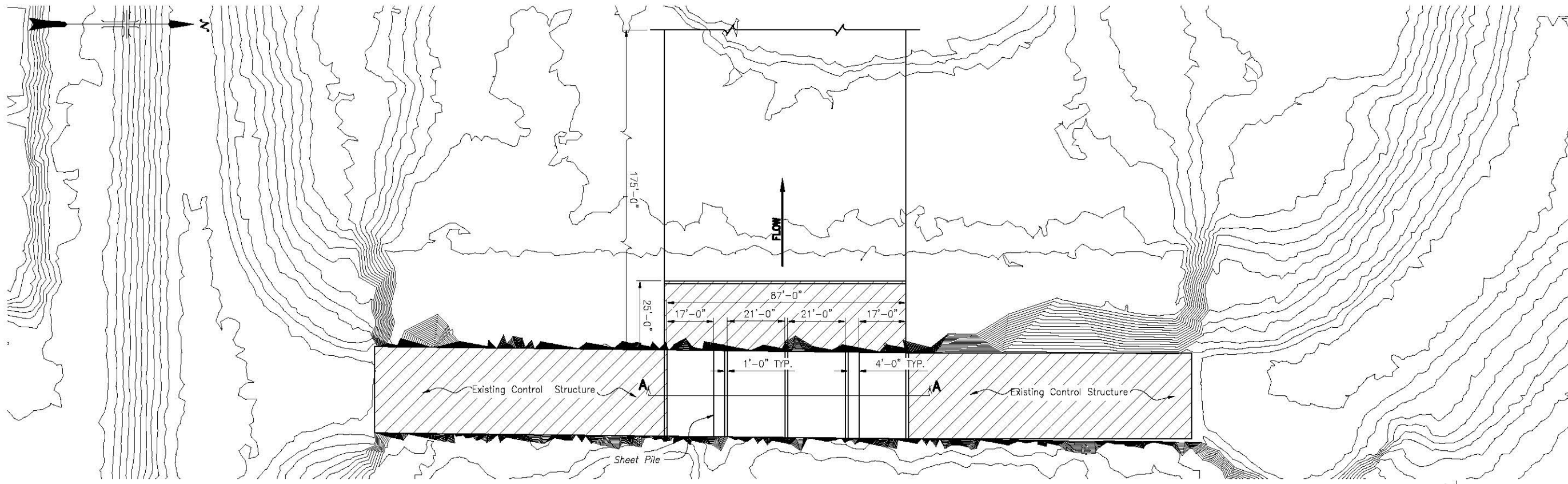
DESIGNED - J. LORBERAU
DRAWN - A. LATHAM
CHECKED - J. LORBERAU
TECH. APPR. - NAME - TITLE
APPROVED - NAME - TITLE
DENVER, COLORADO OCTOBER 2011

FIGURE 2-1
SHEET 2 OF 2

DATE AND TIME PLOTTED
NOT PLOTTED
PLOTTED BY
NOT PLOTTED

CAD SYSTEM
AUTOCAD
CAD FILENAME
UNNACDW

MARIPOSA BYPASS CONTROL STRUCTURE



DATE AND TIME PLOTTED: Not Plotted
 PLOTTED BY: Not Plotted
 CDS SYSTEM AUTOCAD CDS FILENAME: UNKNTM1

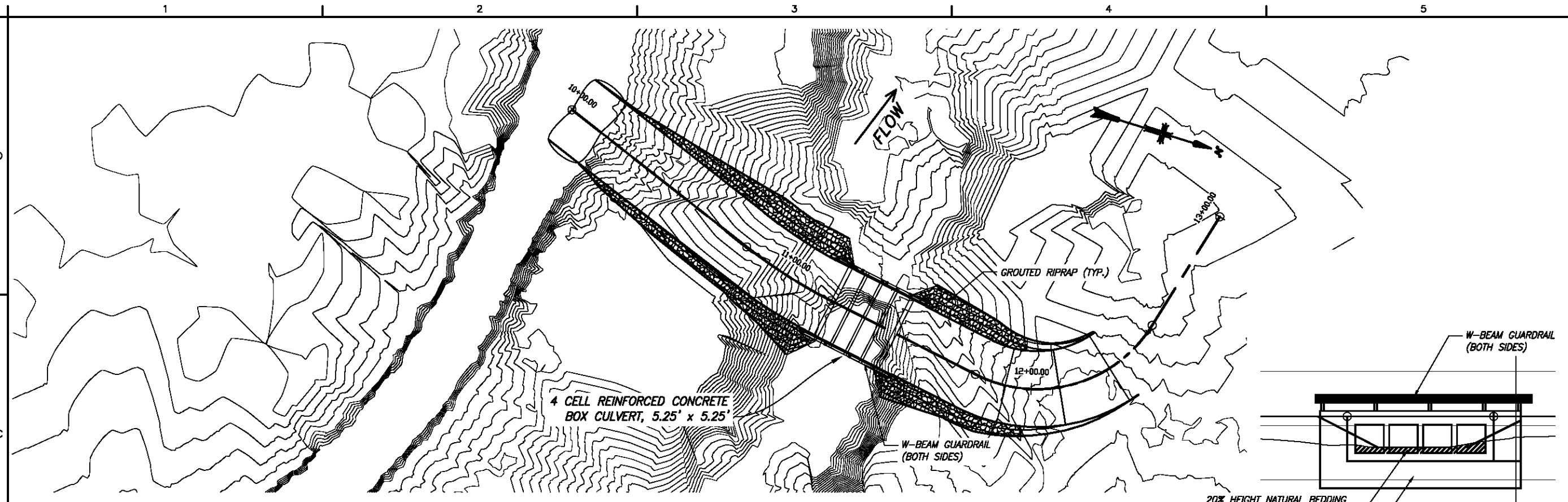
ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
 MARIPOSA BYPASS CONTROL STRUCTURE
 PLAN AND SECTIONS
 Not For Alternative 1

DESIGNED - G. Ledezma
 DRAWN -
 CHECKED - J. Lorberau
 TECH. APPR. - NAME - TITLE
 APPROVED - NAME - TITLE
 DENVER, COLORADO OCTOBER 201

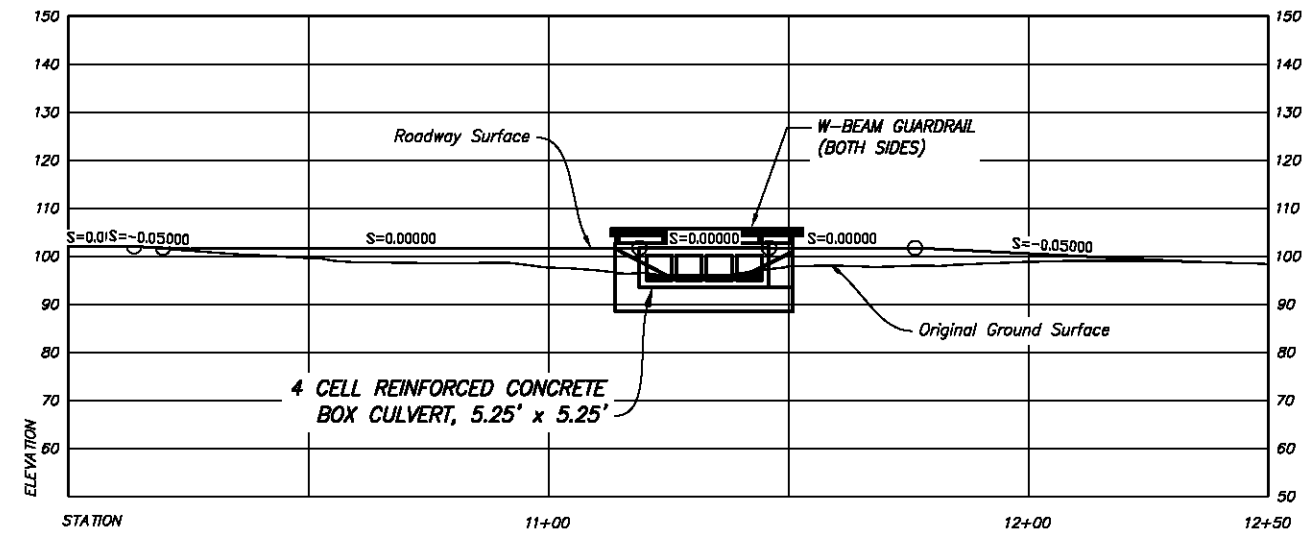
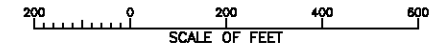
Fig. 2-9

ALTERNATIVE 3 (OLD ALTERNATIVE 2)

CROSSING #0



PLAN - Crossing 0



PROFILE - Crossing 0

DATE AND TIME PLOTTED
NAME AND NO.
PLOTTED BY
AND PLOTTER

CAD SYSTEM
AND NO.
CAD FILENAME
UNWORKING

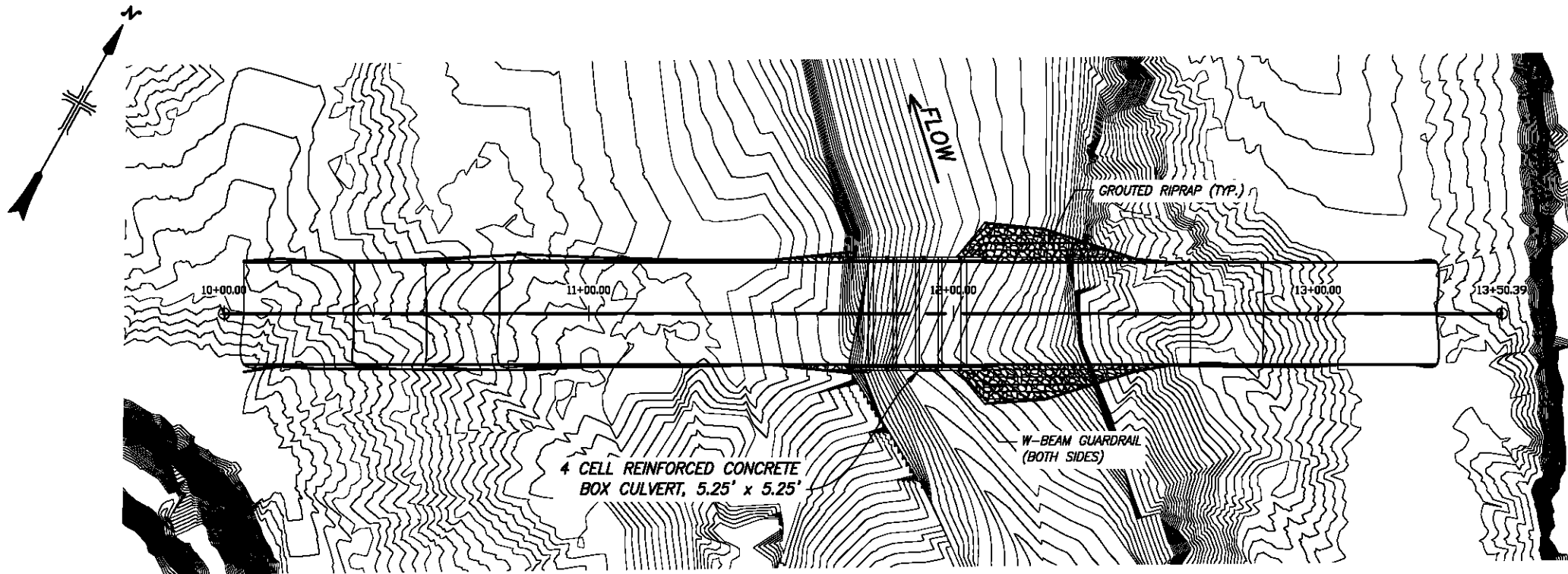
ALWAYS THINK SAFETY

U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
 REACH 4B
 CROSSING 0
 PROFILE AND SECTIONS
 Not for Distribution

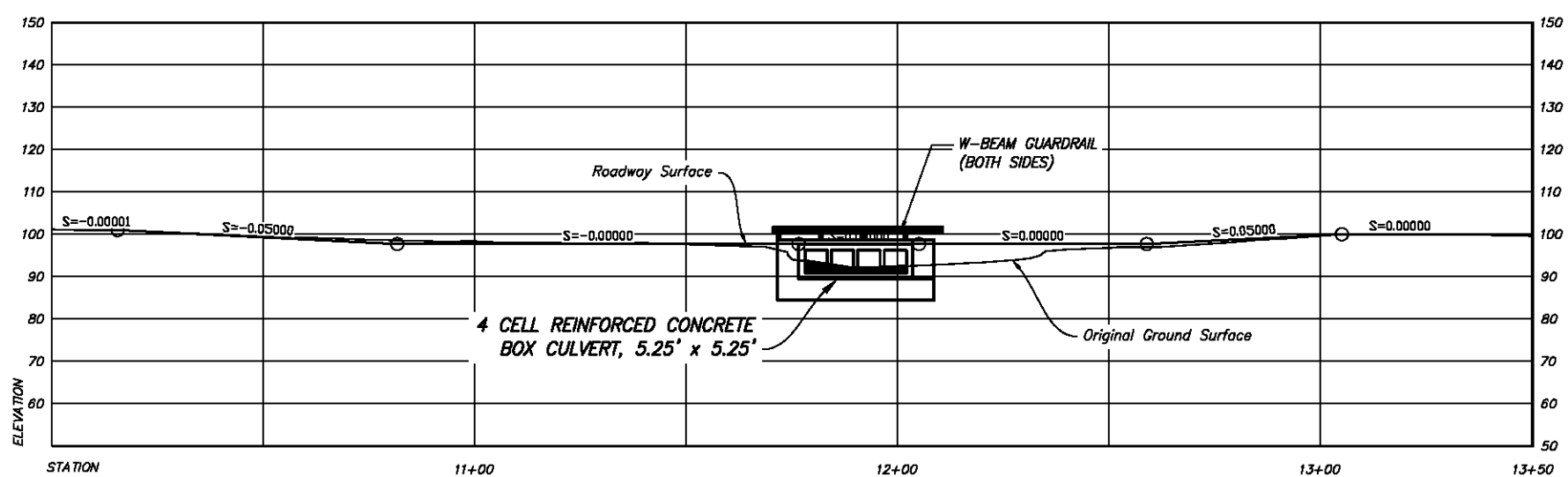
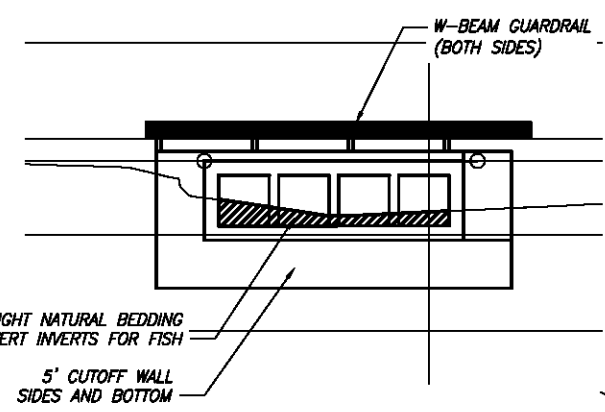
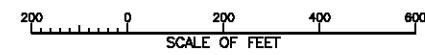
DESIGNED -----
 DRAWN -----
 CHECKED -----
 TECH. APPR. NAME - TITLE -----
 APPROVED PETER REINBERG - NAME - TITLE -----
 DENVER, COLORADO OCTOBER 2017

FIGURE 3-7

CROSSING #1



PLAN - Crossing 1



PROFILE - Crossing 1

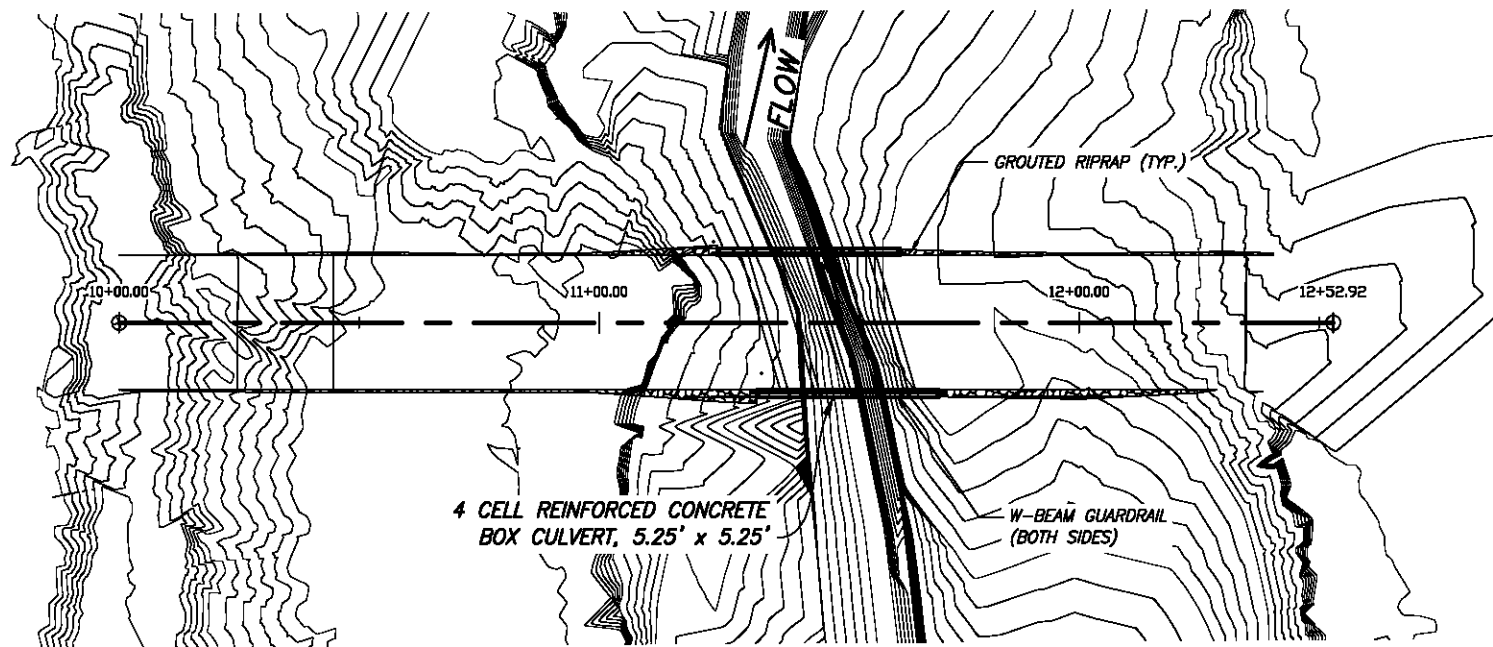
For Internal Use
 Draft
 ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
 SAN JOAQUIN RIVER RESTORATION PROGRAM
 BEACH 4B CROSSING 1
 PLAN, PROFILE, AND SECTIONS
 ALTERNATIVE 2

DESIGNED	-----
DRAWN	-----
CHECKED	-----
TECH. APPR.	NAME - TITLE
APPROVED	PETER REINOLD - NAME - TITLE
DENVER, COLORADO	OCTOBER 2017

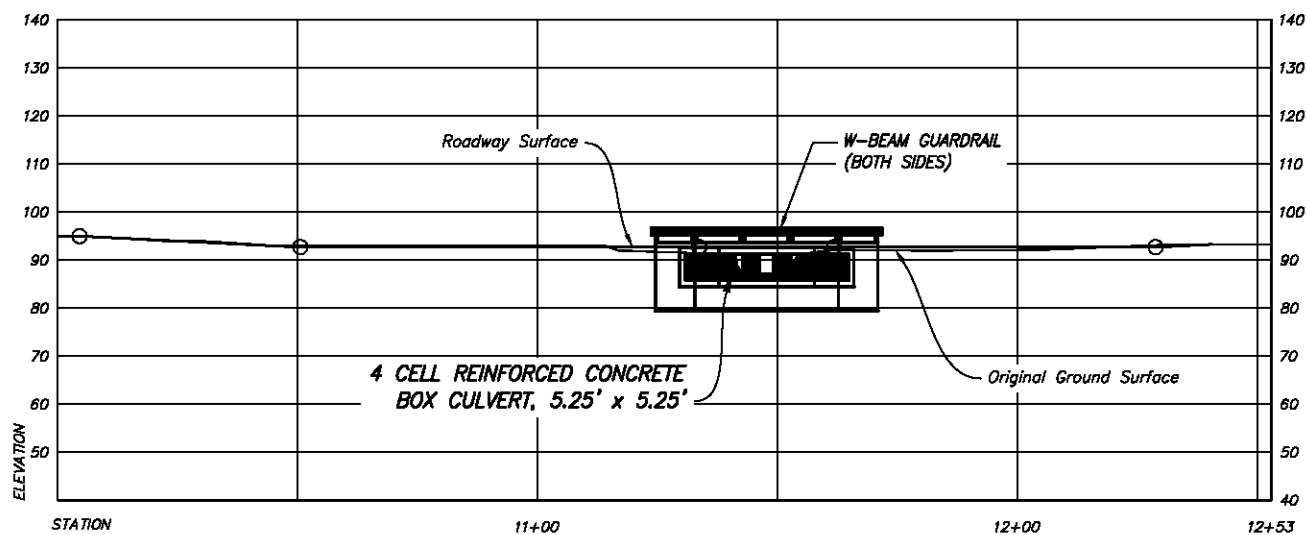
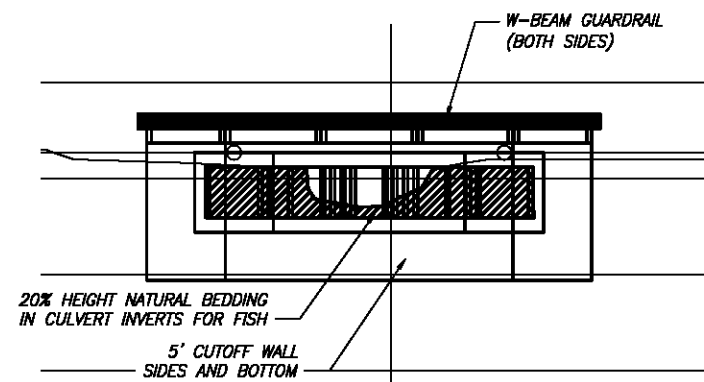
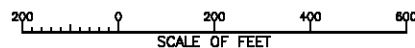
DATE AND TIME PLOTTED
NAME AND TITLE
PLOTTED BY
Plot Number

CAD SYSTEM
AND/OR
CAD RELEASE
UNKNOWN

CROSSING #2



PLAN - Crossing 2



PROFILE - Crossing 2

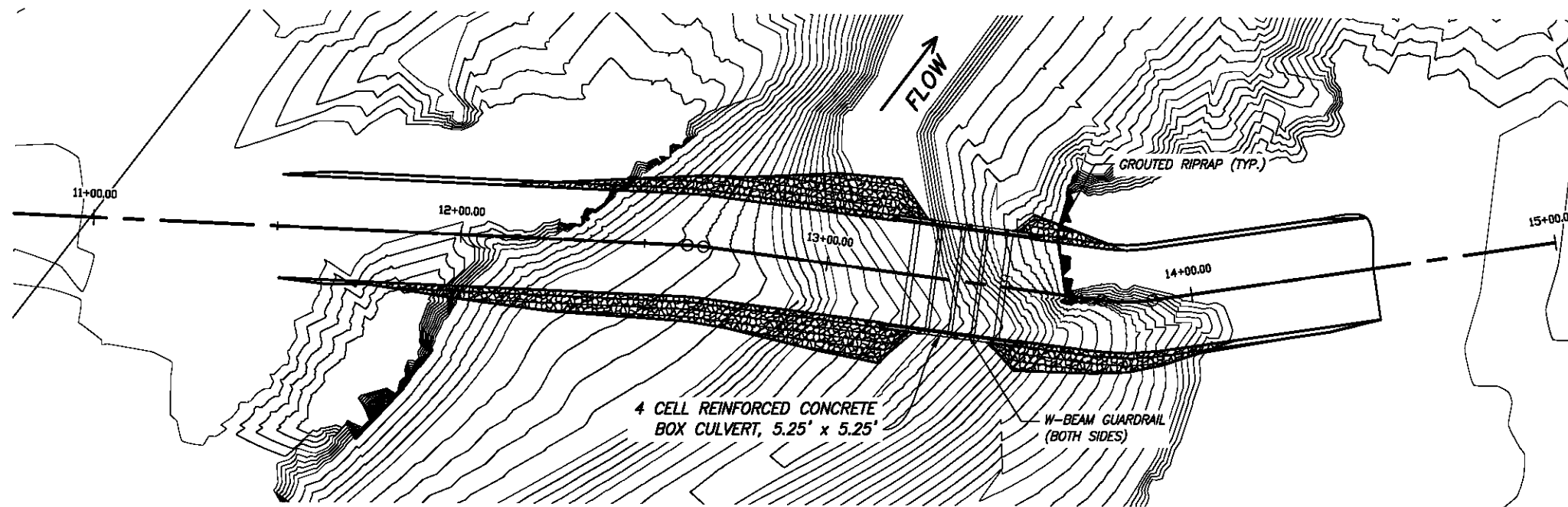
DESIGNED -----
DRAWN -----
CHECKED -----
TECH. APPR. NAME - TITLE -----
APPROVED PETER REICHERT NAME - TITLE -----
DENVER, COLORADO OCTOBER 2011

For Internal Use Only
 Draft
 Not For Construction
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FERRIS DIVISION - CALIFORNIA
 SAN JOAQUIN RIVER RESTORATION PROGRAM
 BEACH 4B
 CROSSING 2
 PLAN, PROFILE, AND SECTIONS
 ALTERNATIVE 2

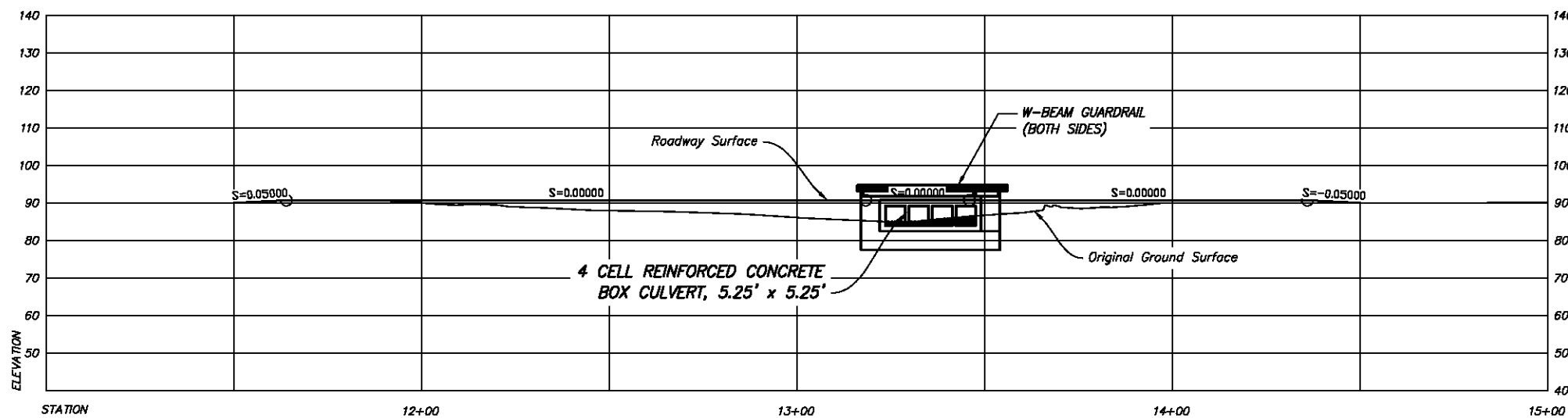
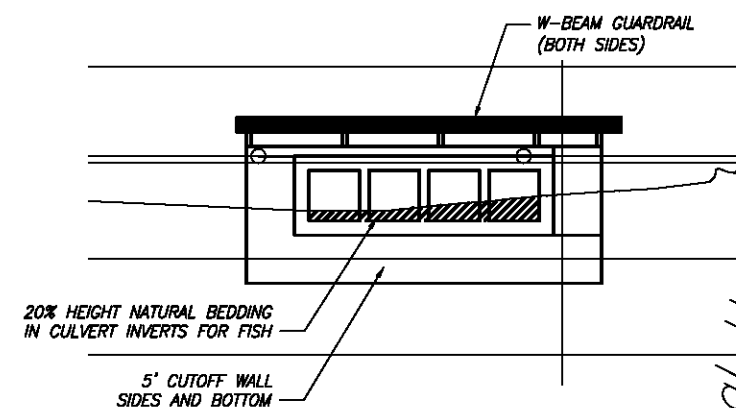
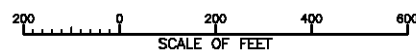
DATE AND TIME PLOTTED
BY AND FOR
PLOTTED BY
NOT PLOTTED

CAD SYSTEM
AND/OR
CAD RELEASE
UNKNOWN

CROSSING #3



PLAN - Crossing 3



PROFILE - Crossing 3

For Internal Use
 Draft
 ALWAYS THINK SAFETY

U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
 SAN JOAQUIN RIVER RESTORATION PROGRAM
 BEACH 4B
 CROSSING 3
 ALTERNATIVE 2
 PLAN, PROFILE, AND SECTIONS

DESIGNED	-----
DRAWN	-----
CHECKED	-----
TECH. APPR.	NAME - TITLE
APPROVED	PETER REINBERG - NAME - TITLE
DENVER, COLORADO	OCTOBER 2017

DATE AND TIME PLOTTED

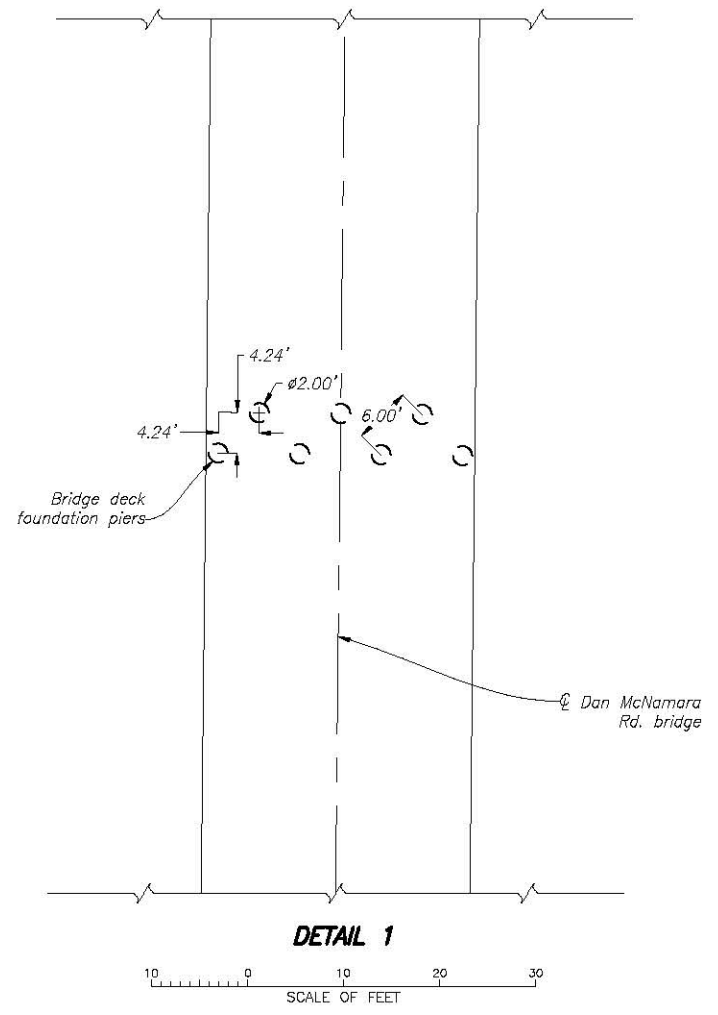
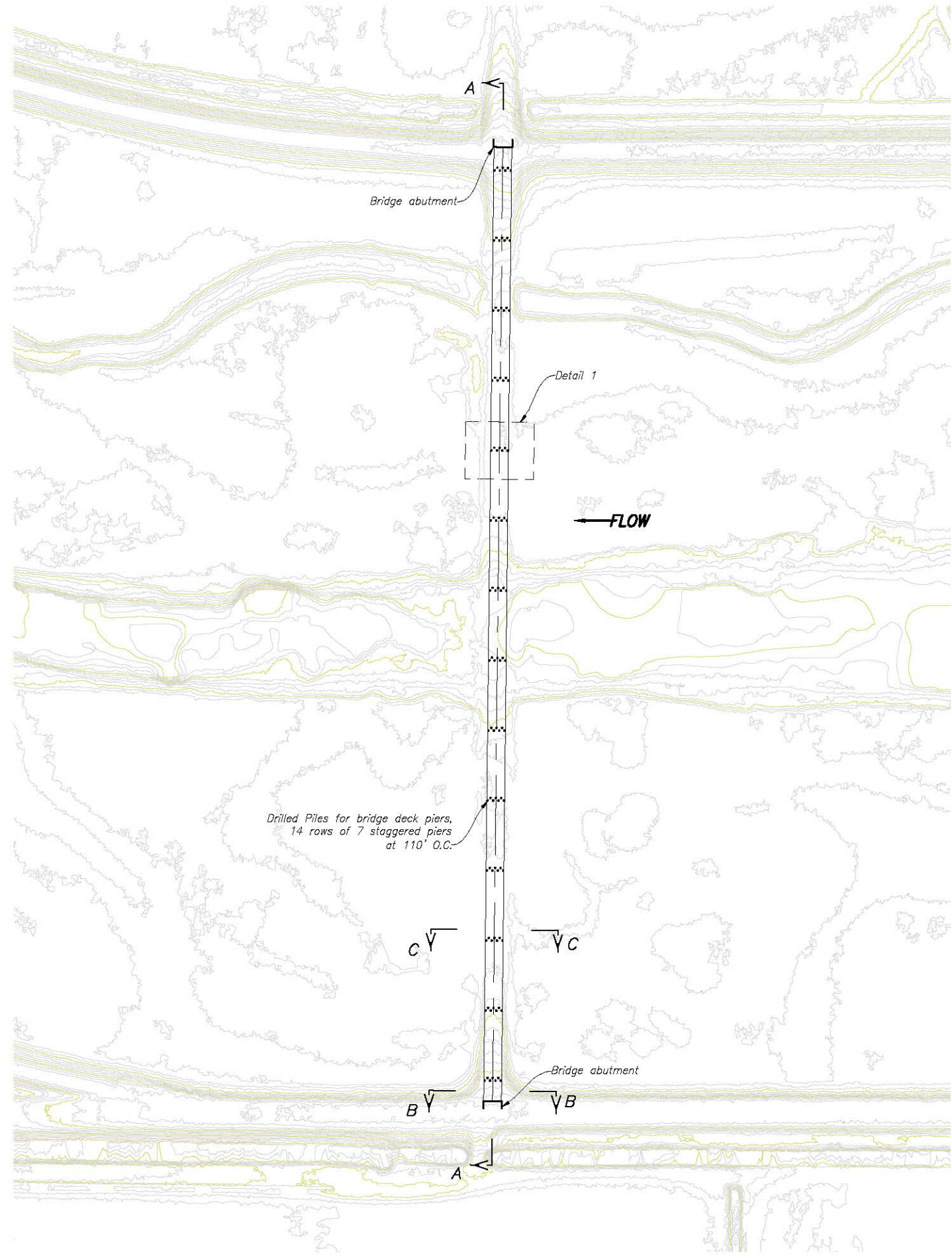
CADD SYSTEM AND CADD FILE NAME AND RELEASE DATE UNKNOWN

DAN MCNAMARA RD

ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
REACH 4B
 DAN McNAMARA ROAD BRIDGE
 PLAN, PROFILE, AND SECTIONS
 ALTERNATIVE 2
 Not for Distribution

DESIGNED - J. LORBERAU
 DRAWN - A. LATHAM
 CHECKED - J. LORBERAU
 TECH. APPR. - NAME - TITLE
 APPROVED - PEER REVIEWER - NAME - TITLE
 DENVER, COLORADO OCTOBER 2011

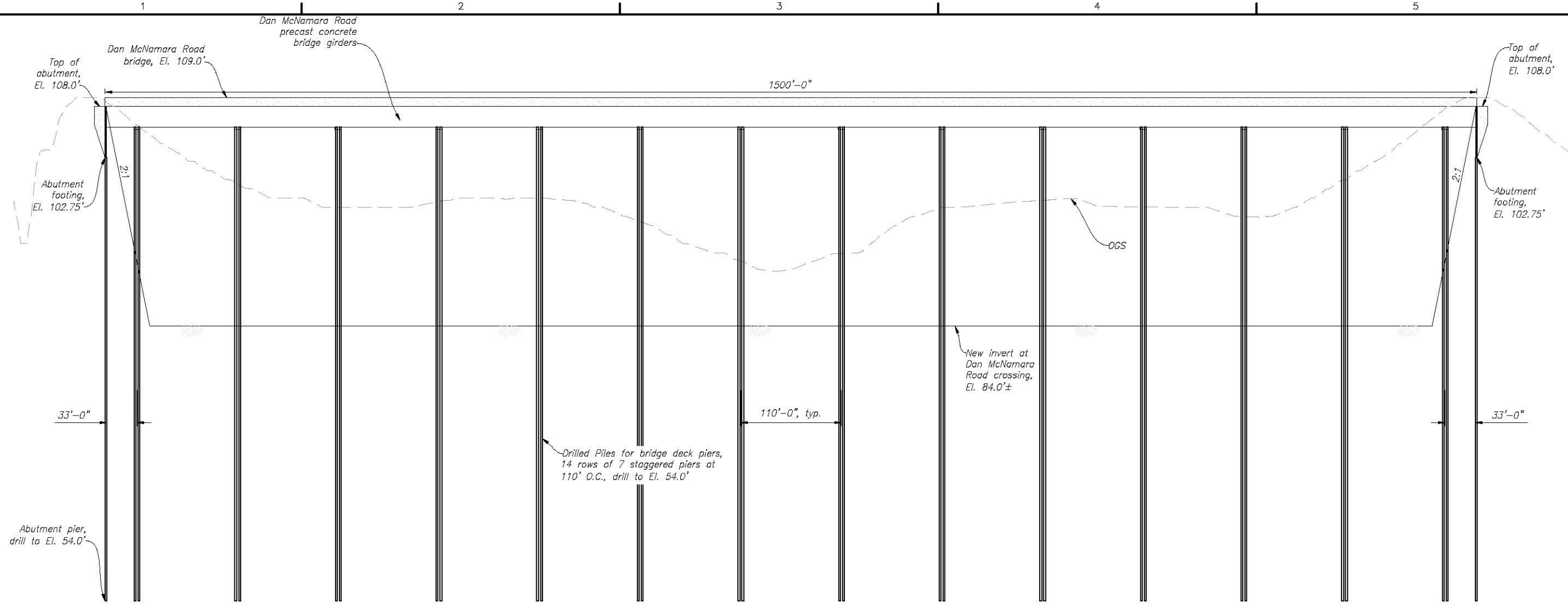
FIGURE 3-4
SHEET 1 OF 2



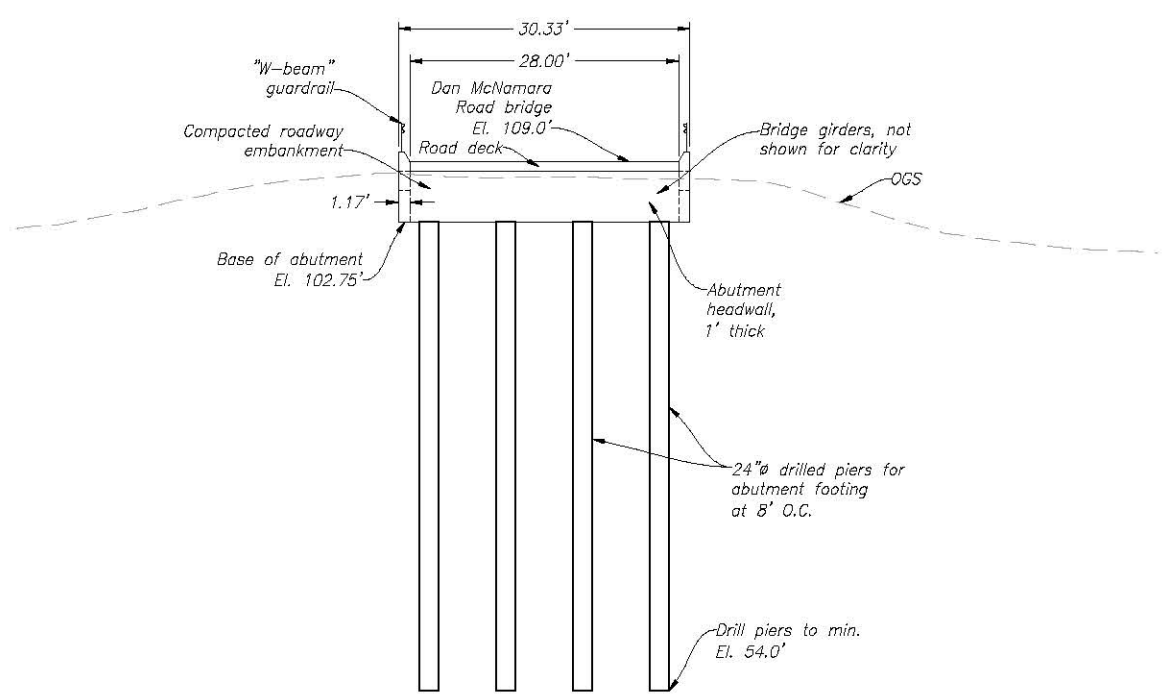
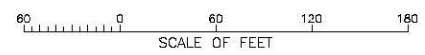
PLAN
SCALE OF FEET

DATE AND TIME PLOTTED
 FILE PLOTTED BY
 CAD SYSTEM
 AUTOCAD
 CAD FILENAME
 USERID:

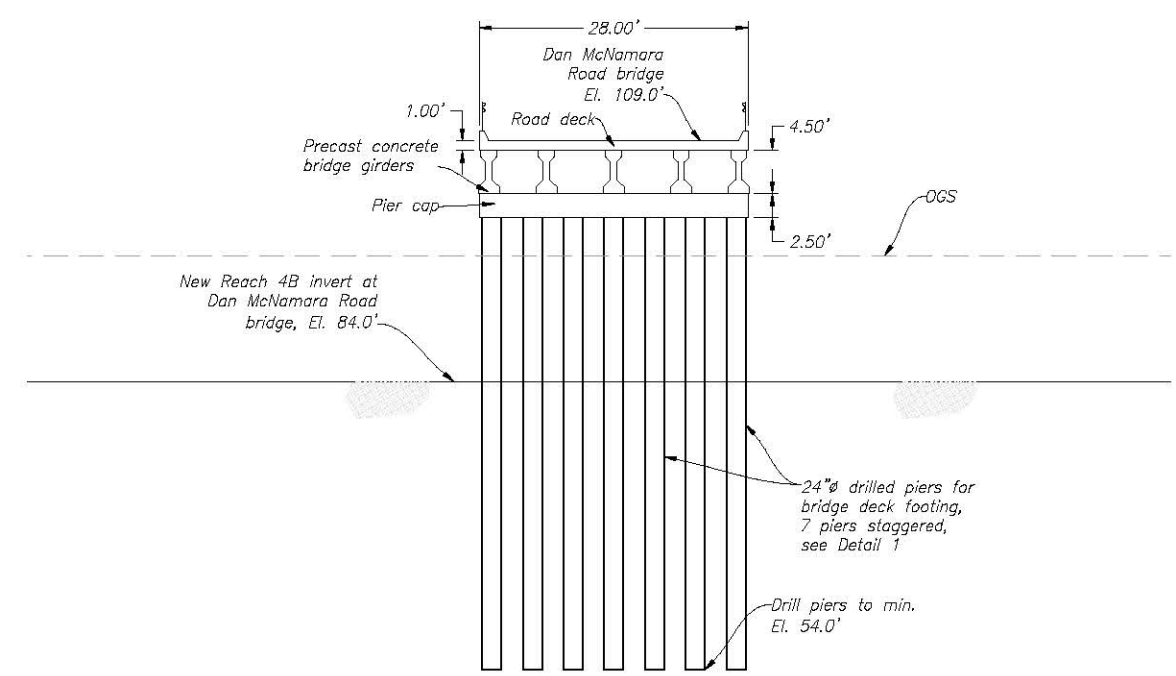
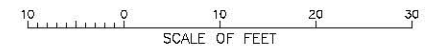




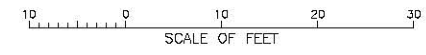
**SECTION A-A
EL NIDO ROAD BRIDGE CENTERLINE**



**SECTION B-B
DAN McNAMARA ROAD BRIDGE ABUTMENT**



**SECTION C-C
DAN McNAMARA ROAD BRIDGE PIERS**



DATE AND TIME PLOTTED
FILE PLOTTED BY
FILE PLOTTED BY

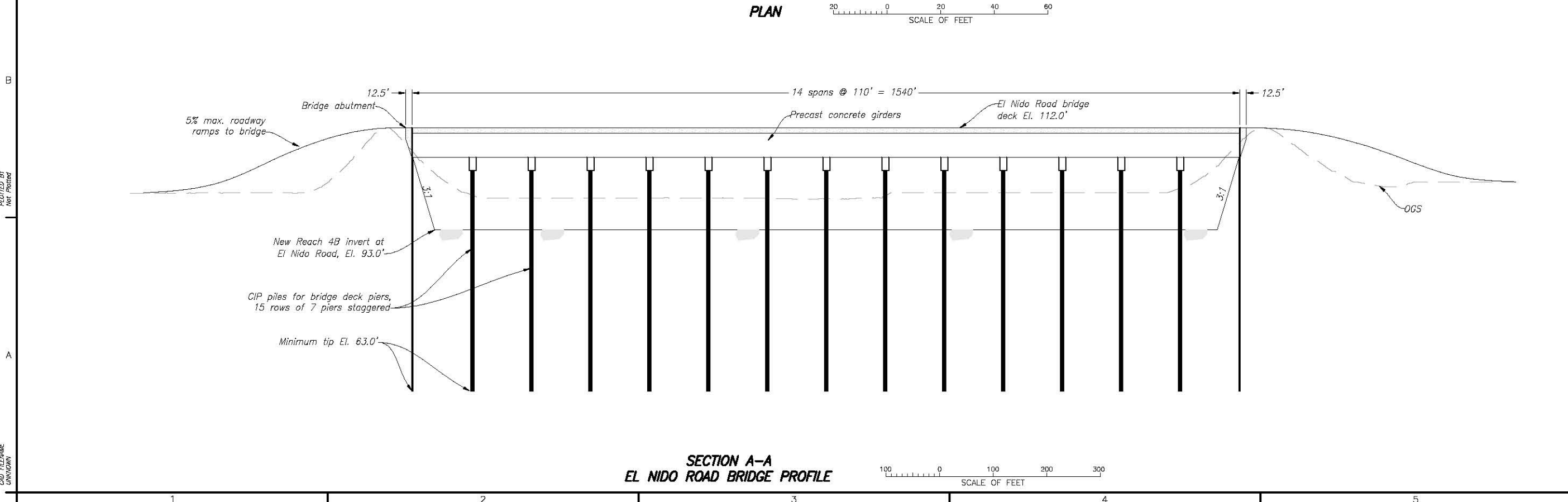
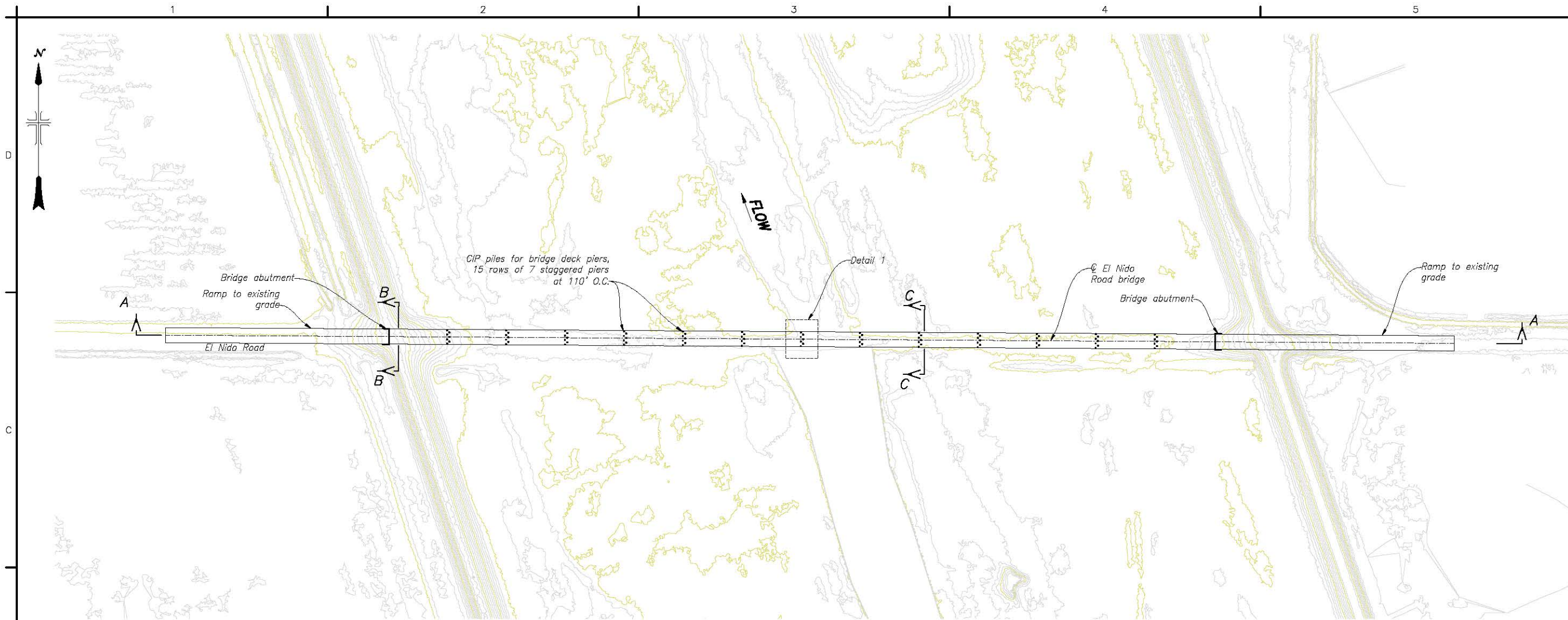
CAD SYSTEM
AUTOCAD
CAD FILENAME
UNREVIEW

ALWAYS THINK SAFETY

FOR OFFICIAL USE ONLY
SAN JOAQUIN RIVER RESTORATION PROGRAM
REACH 4B
DAN McNAMARA ROAD BRIDGE
PLAN, PROFILE, AND SECTIONS
ALTERNATIVE 2
Not for Distribution

DESIGNED	J. LORBERAU
DRAWN	A. LATHAM
CHECKED	J. LORBERAU
TECH. APPR.	NAME - TITLE
APPROVED	NAME - TITLE
PEER REVIEWER	NAME - TITLE
DENVER, COLORADO	OCTOBER 2011

W EL NIDO RD



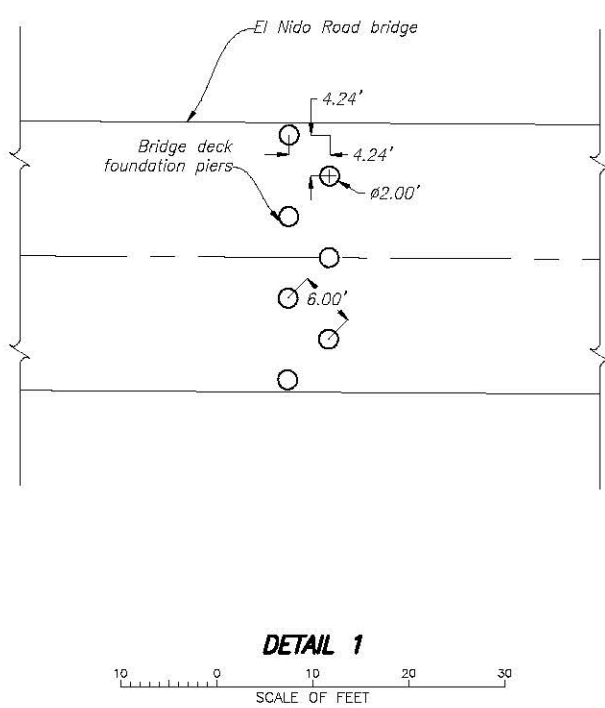
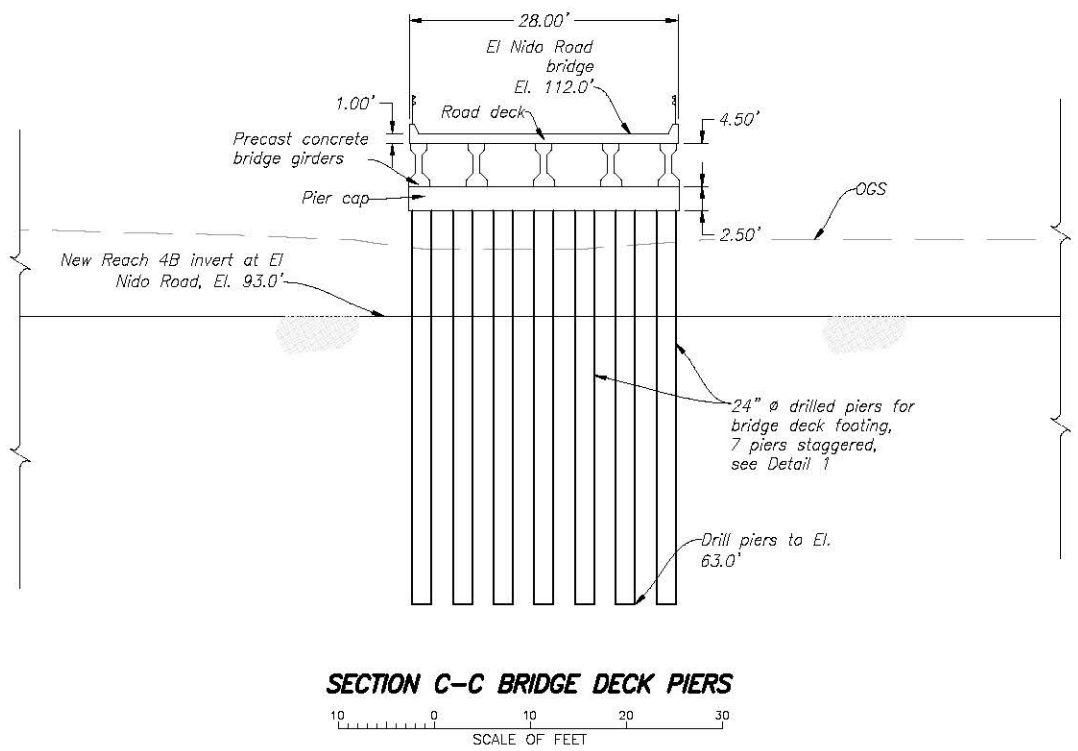
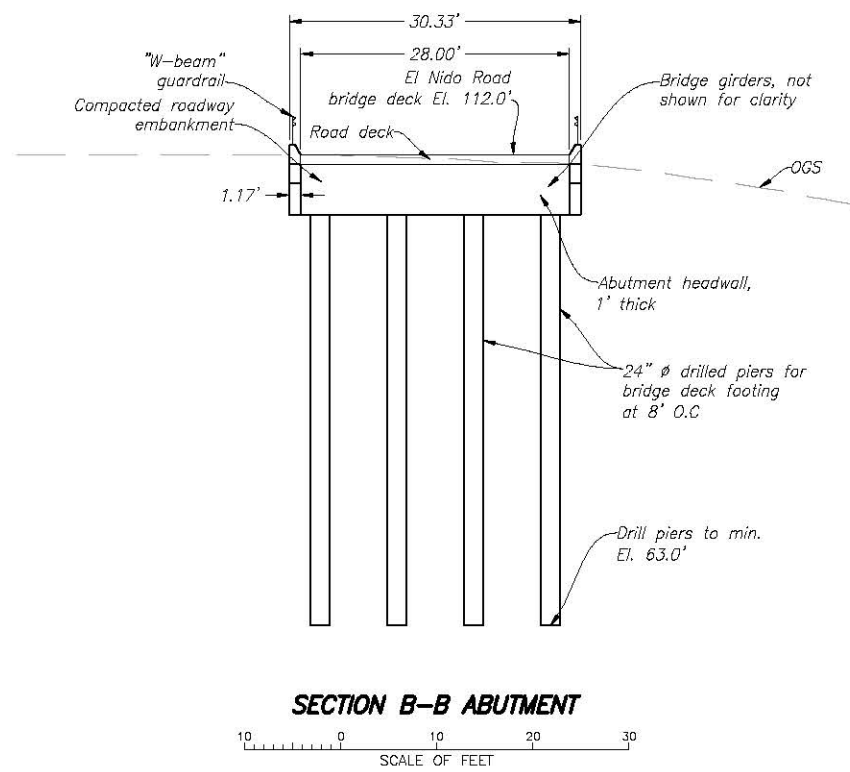
ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
REACH 4B
 EL NIDO ROAD BRIDGE
 PLAN AND PROFILE
 ALTERNATIVE 2
 Not For Distribution

DESIGNED	J. LORBERAU
DRAWN	A. LATHAM
CHECKED	J. LORBERAU
TECH. APPR.	NAME - TITLE
APPROVED	PETER REINHER - NAME - TITLE
DENVER, COLORADO	OCTOBER 2011

FIGURE 3-2
SHEET 1 OF 2

DATE AND TIME PLOTTED
 NET PLOTTED BY
 NET PLOTTED BY

CAD SYSTEM
 AUTOCAD
 CAD FILENAME
 UNKNOW



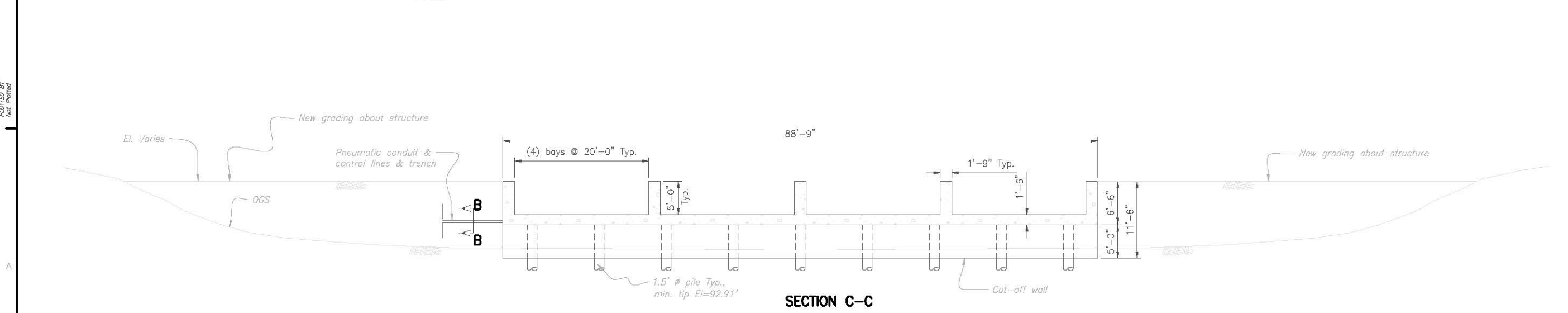
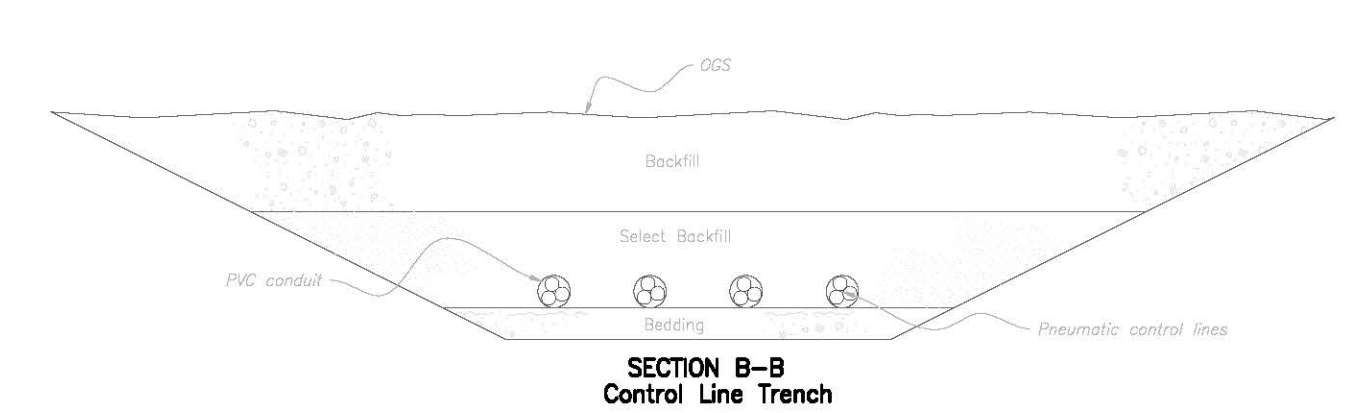
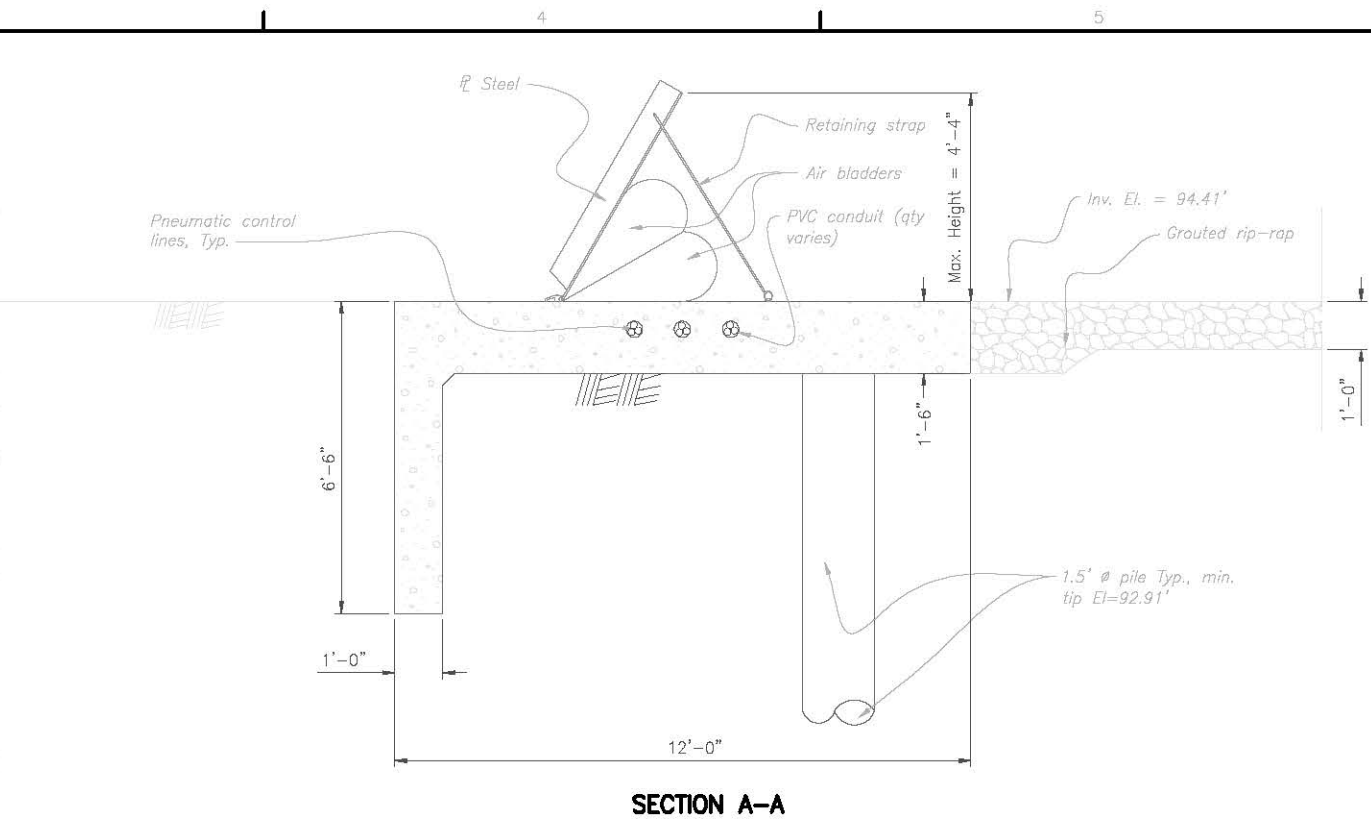
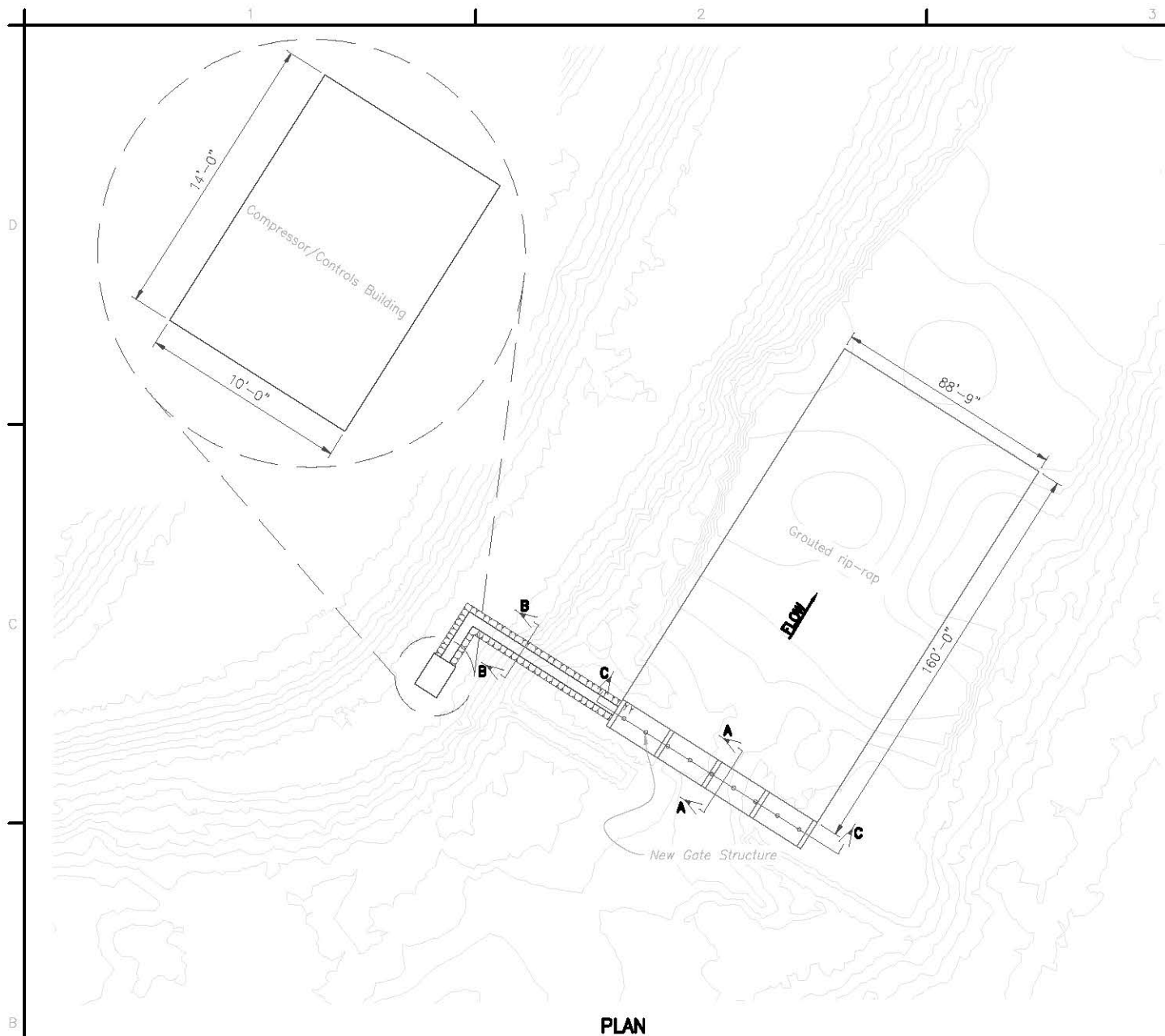
ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
REACH 4B1
 EL NIDO ROAD BRIDGE
 SECTIONS AND DETAIL
 ALTERNATIVE 2
 Not For Distribution

DESIGNED - J. LORBERAU
 DRAWN - A. LATHAM
 CHECKED - J. LORBERAU
 TECH. APPR. - NAME - TITLE
 APPROVED - PETER REINHER - NAME - TITLE
 DENVER, COLORADO OCTOBER 2011

FIGURE 3-2
SHEET 2 OF 2

DATE AND TIME PLOTTED
 NOT PLOTTED
 PLOTTED BY
 NOT PLOTTED
 CAD SYSTEM
 AUTOCAD
 CAD FILENAME
 UNNAMED

SAND SLOUGH CONTROL STRUCTURE



ALWAYS THINK SAFETY
 FOG INTERMEDIATE USE ONLY
 CENTRAL VALLEY PROJECT
 FRONT DIVISION CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
REACH 4B
 SAND-SLOUGH CONTROL STRUCTURE
 PLAN AND SECTIONS
 NOT FOR ALTERNATIVE 2

DESIGNED	-----
DRAWN	-----
CHECKED	-----
TECH. APPR.	NAME - TITLE
APPROVED	NAME - TITLE
DENVER, COLORADO	OCTOBER 201

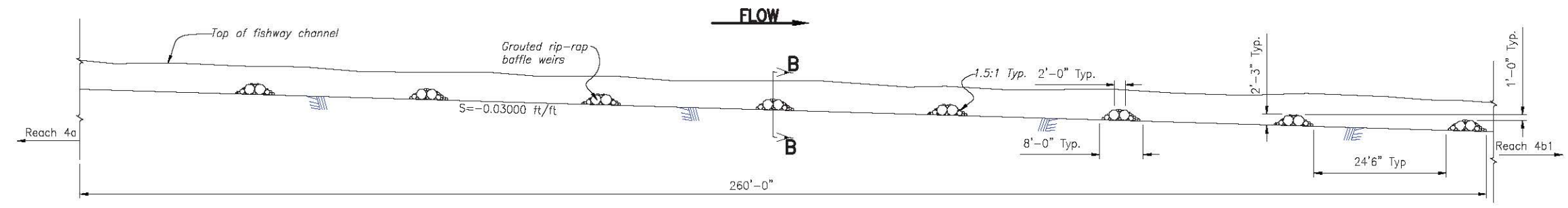
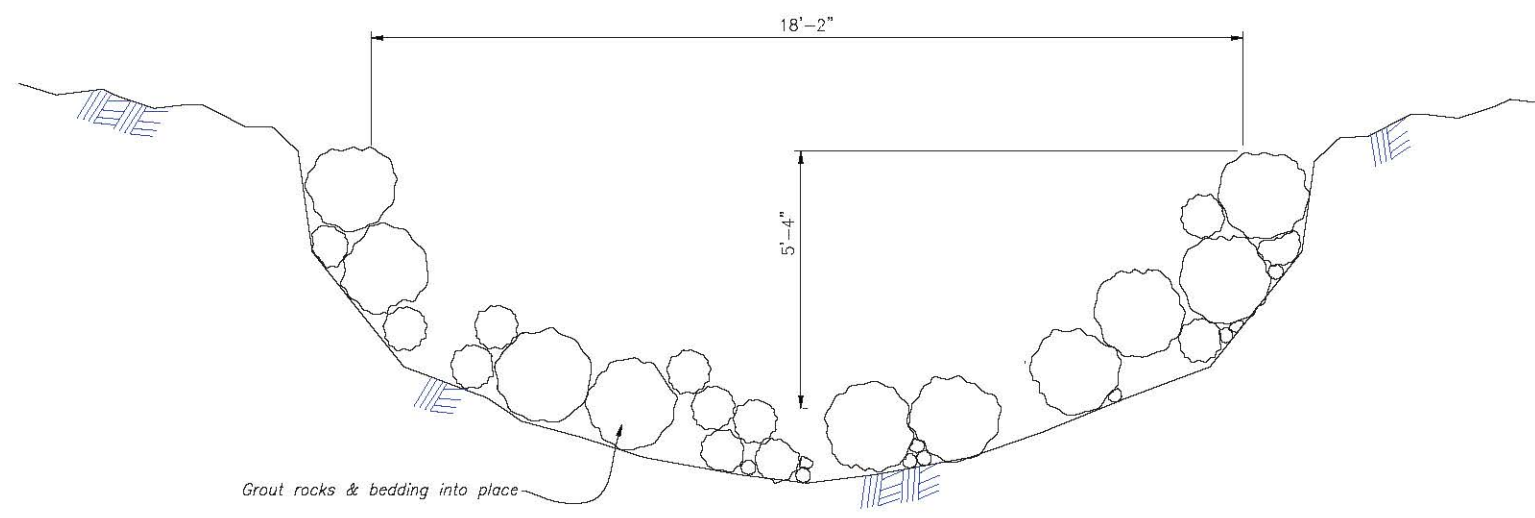
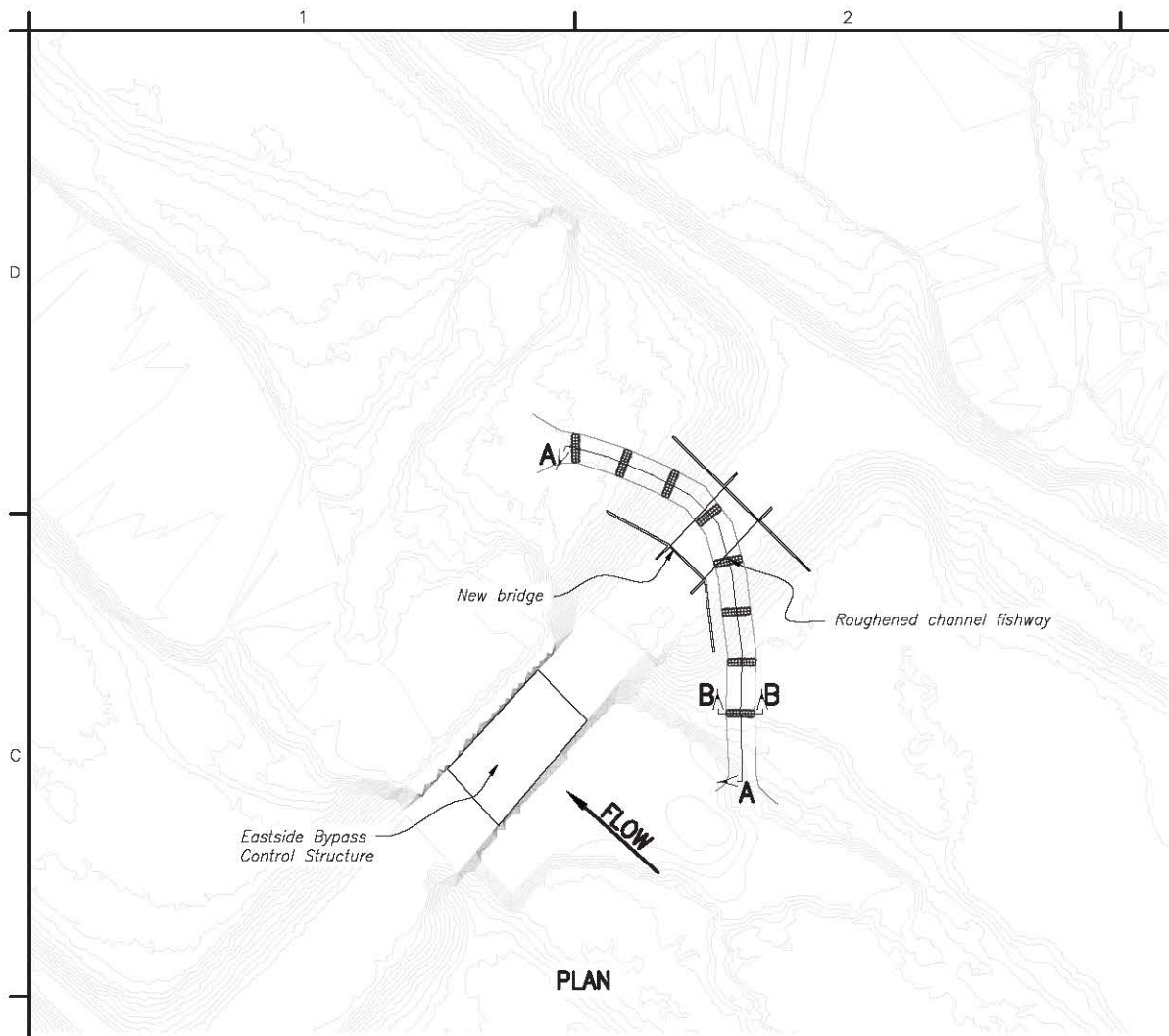
Figure 3-1

Note:
1. Comp. Bldg is masonry with steel roof; 10' tall

DATE AND TIME PLOTTED
Net Plotted

CDS SYSTEM
AUTOCAD
CDS FILENAME
UNITS:MM

EASTSIDE BYPASS CONTROL STRUCTURE



FOH ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
REACH 4B1
 EASTSIDE BYPASS CONTROL STRUCTURE
 ROUGHENED CHANNEL FISHWAY AND BRIDGE
 ALTERNATIVE 2

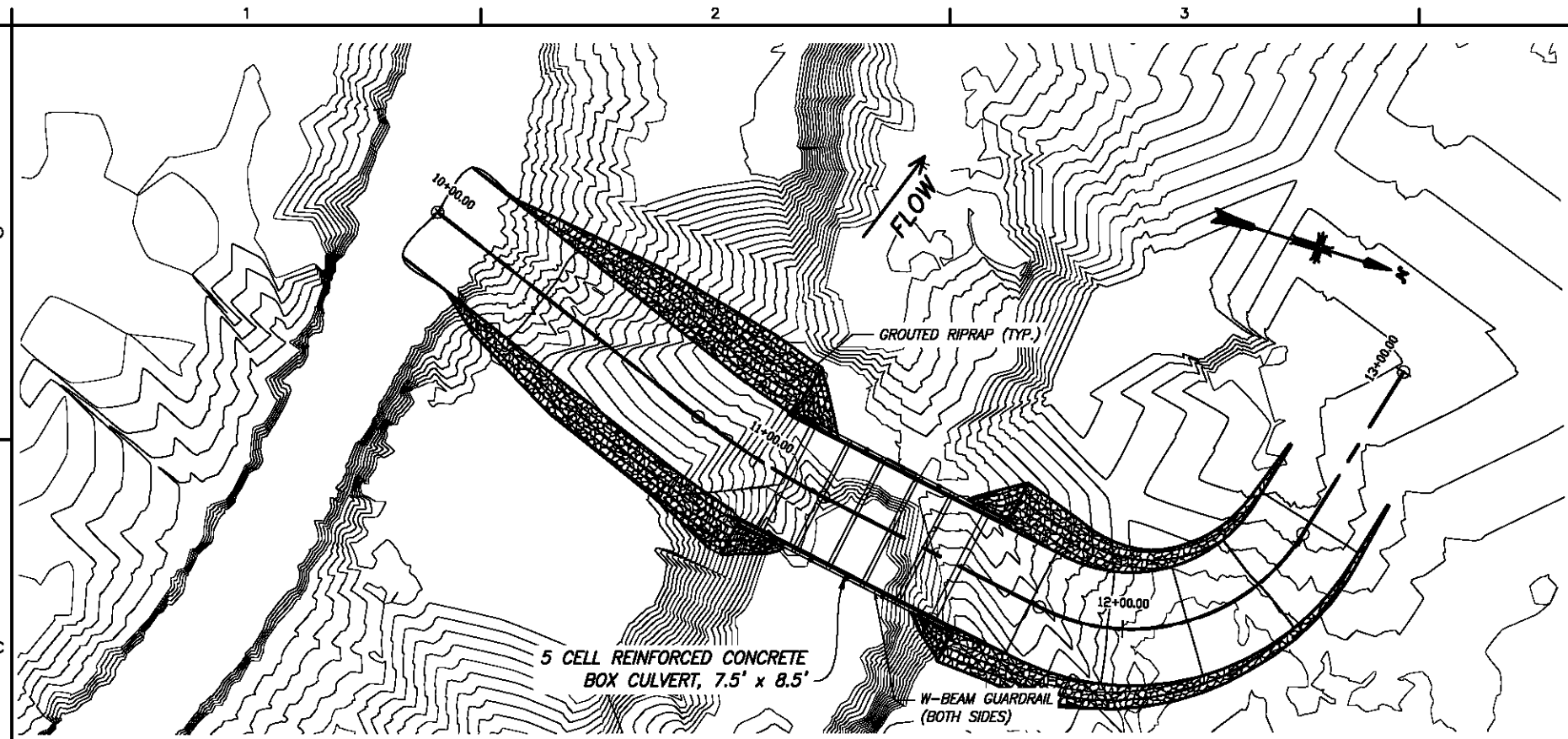
DESIGNED - G. Ledezma
 DRAWN -
 CHECKED - J. Lorberau
 TECH. APPR. - NAME - TITLE
 APPROVED -
 PEER REVIEWER - NAME - TITLE
 DENVER, COLORADO OCTOBER 201

DATE AND TIME PLOTTED
NOT PLOTTED BY
NOT PLOTTED BY

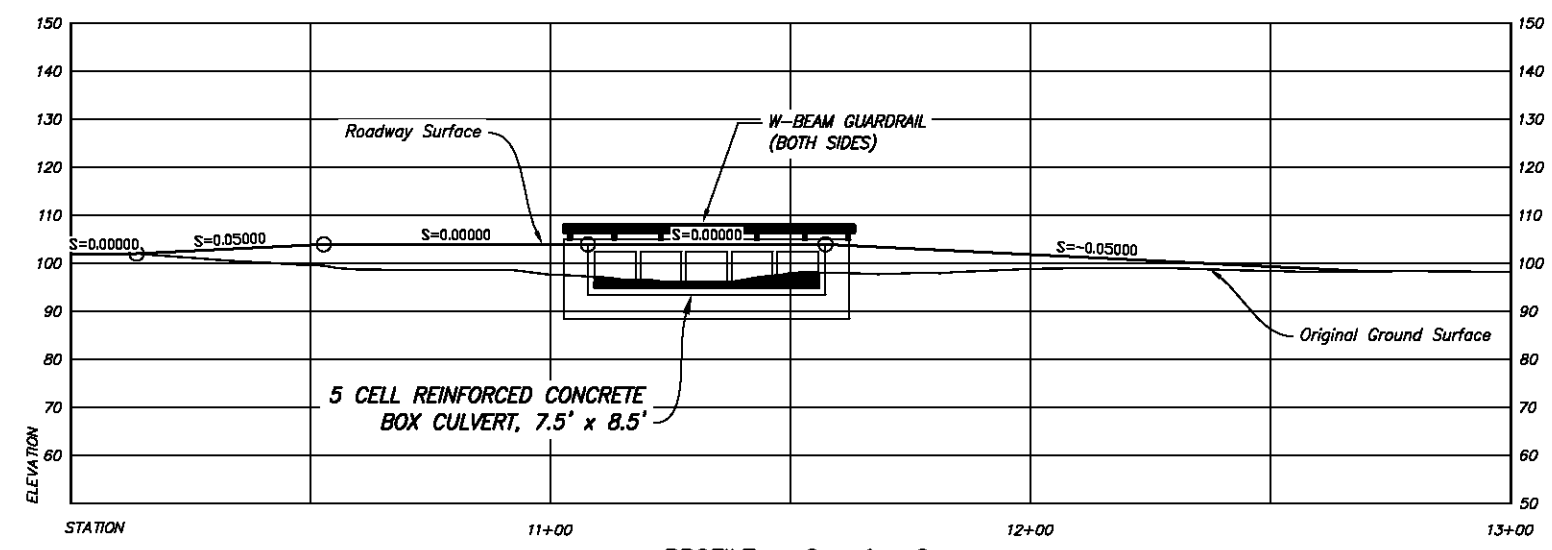
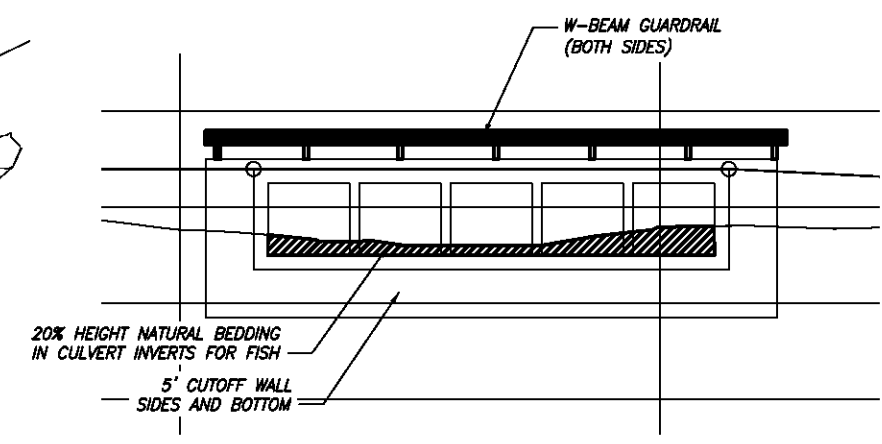
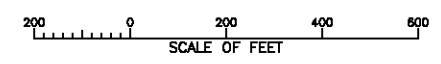
CAD SYSTEM
AUTOCAD
CADD FILENAME
UNNAMED

ALTERNATIVE 4 (OLD ALTERNATIVE 3)

CROSSING #0



PLAN - Crossing 0



PROFILE - Crossing 0

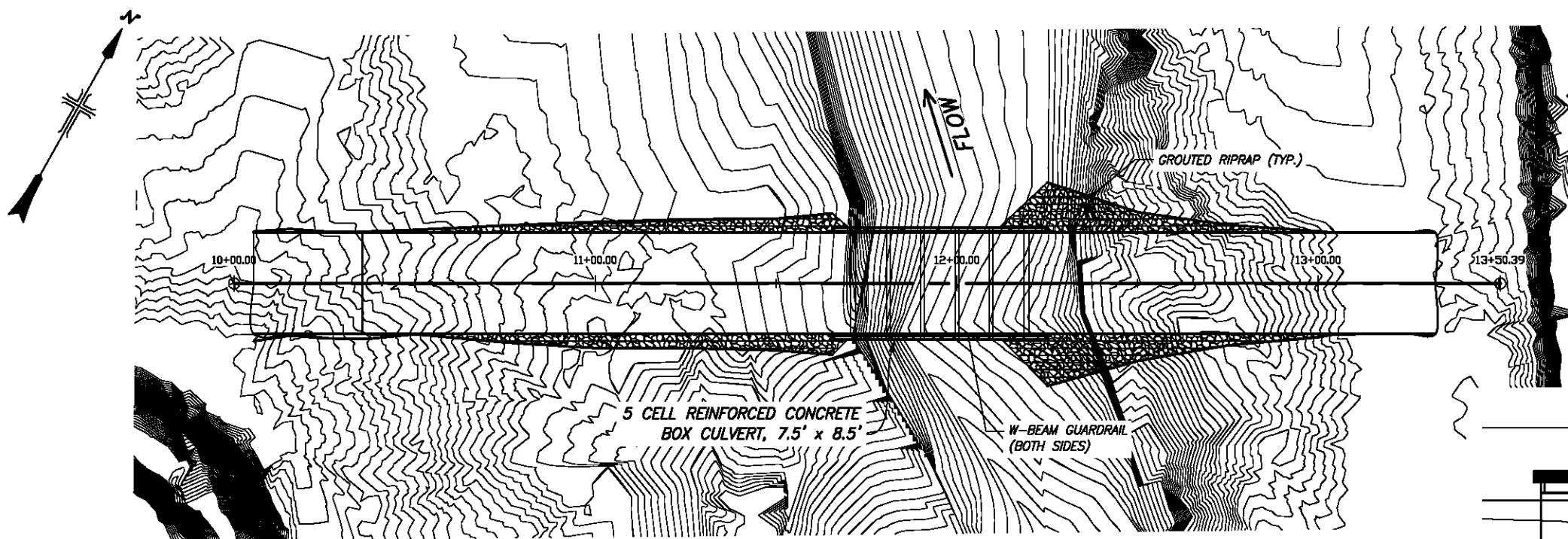
For Internal Use Only
 Draft
 Not For Construction
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
 SAN JOAQUIN RIVER RESTORATION PROGRAM
 REACH 4B1
 CROSSING 0
 PLAN, PROFILE, AND SECTIONS
 ALTERNATIVE 3

DESIGNED	-----
DRAWN	-----
CHECKED	-----
TECH. APPR.	NAME - TITLE
APPROVED	PETER REINERD - NAME - TITLE
DENVER, COLORADO	OCTOBER 2017

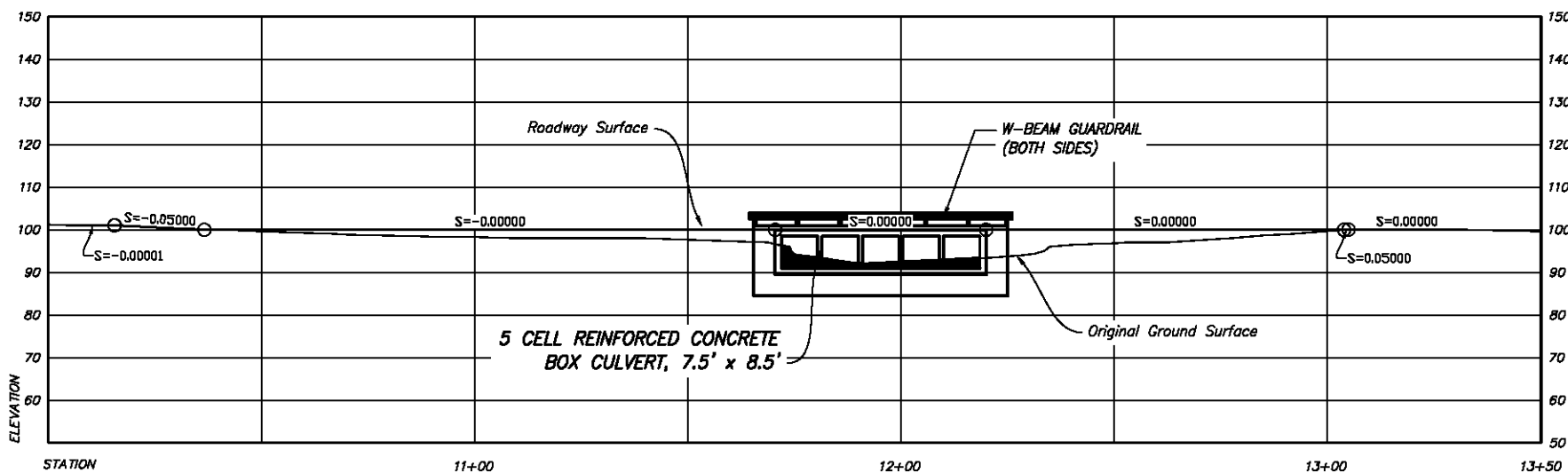
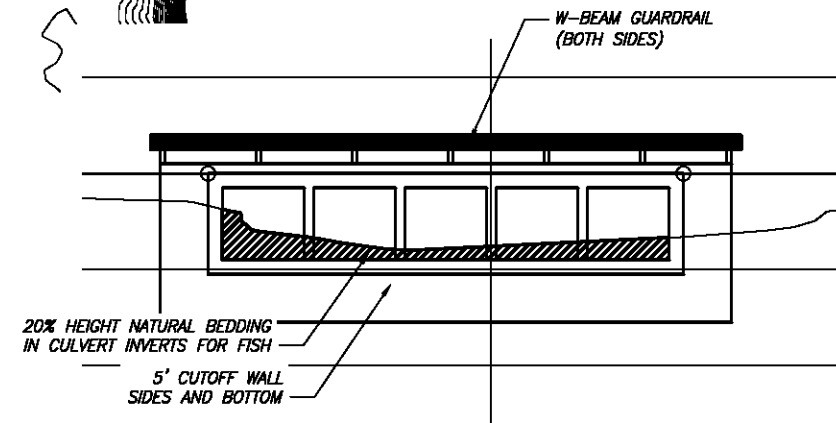
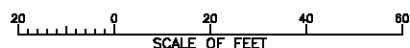
DATE AND TIME PLOTTED
NAME AND TITLE
PLOTTED BY
Plot Number

CAD SYSTEM
AND DATE
CAD FILENAME
UNWORKING

CROSSING #1



PLAN - Crossing 1



PROFILE- Crossing 1

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
CENTRAL VALLEY PROJECT
FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
REACH 4B1
CROSSING 7
PLAN, PROFILE, AND SECTIONS
ALTERNATIVE 3

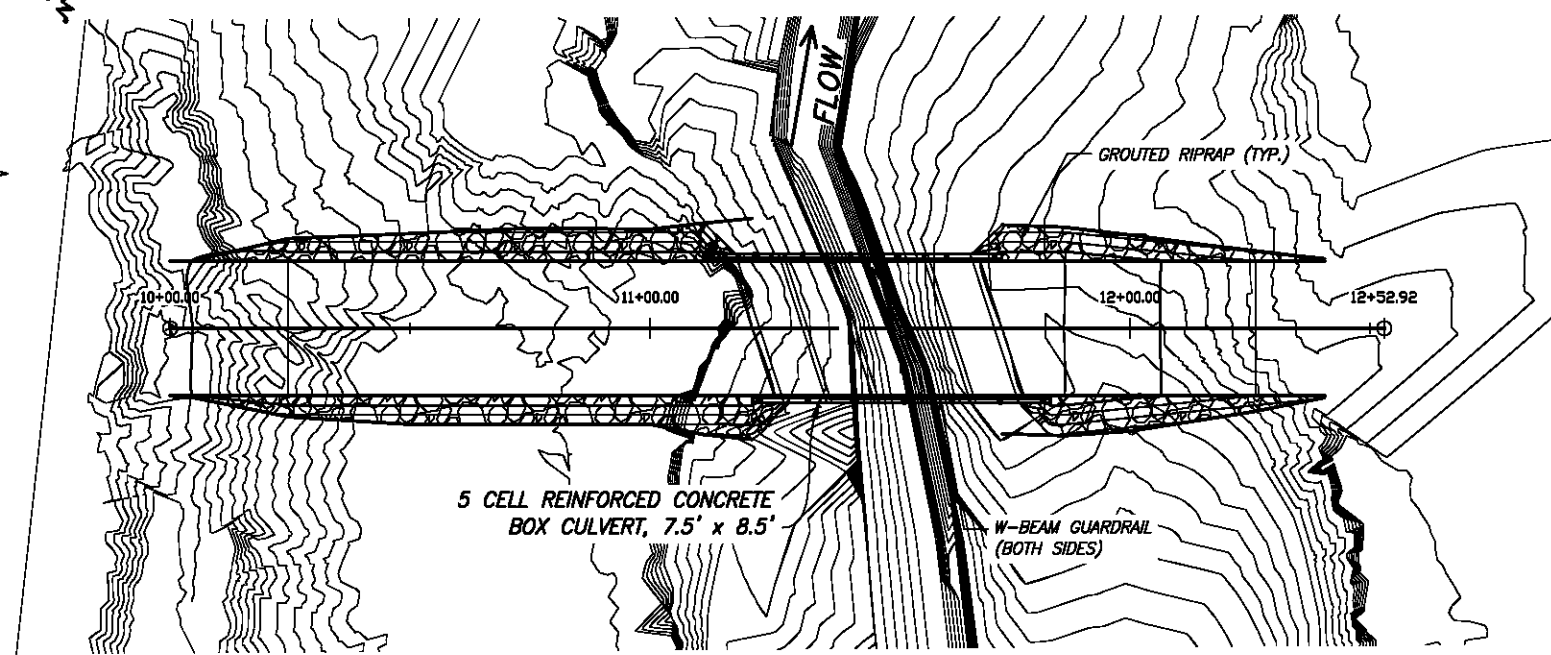
For Internal Use
Draft
ALWAYS THINK SAFETY
Not For Construction

DESIGNED -----
DRAWN -----
CHECKED -----
TECH. APPR. NAME - TITLE -----
APPROVED PETER REINER NAME - TITLE -----
DENVER, COLORADO OCTOBER 2011

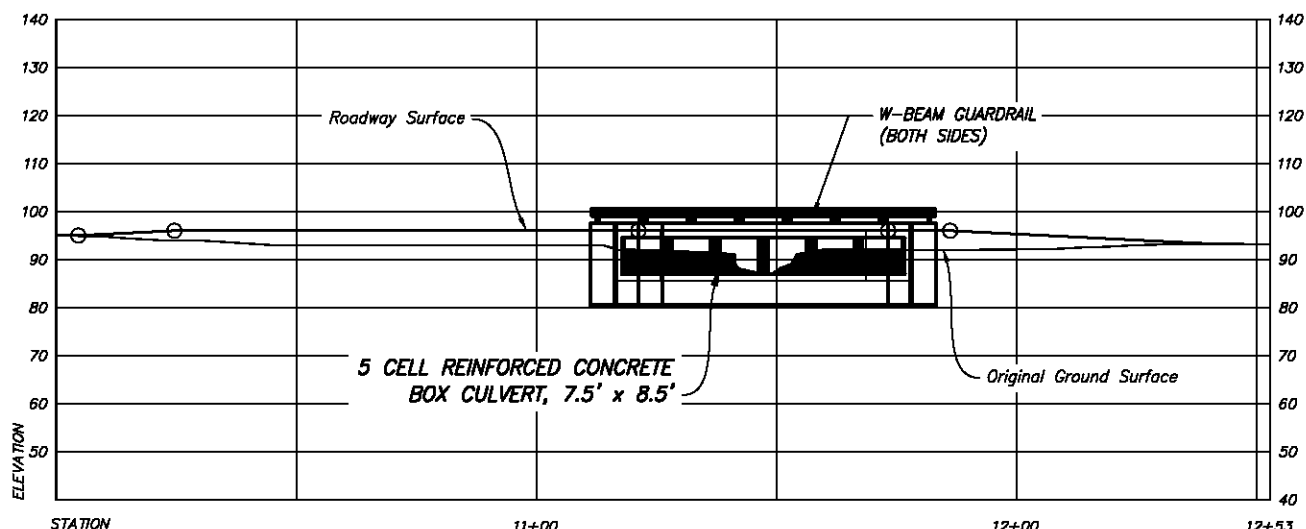
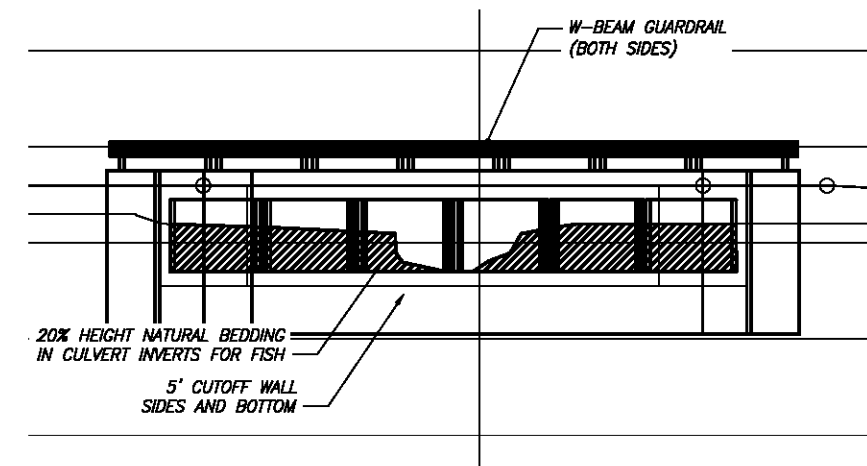
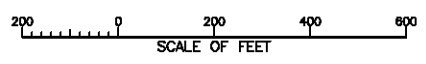
DATE AND TIME PLOTTED
BY AND FOR
PLOTTED BY
NOT PLOTTED

CAD SYSTEM
SCALE
CAD FILENAME
UNKNOWN

CROSSING #2



PLAN - Crossing 2



PROFILE - Crossing 2

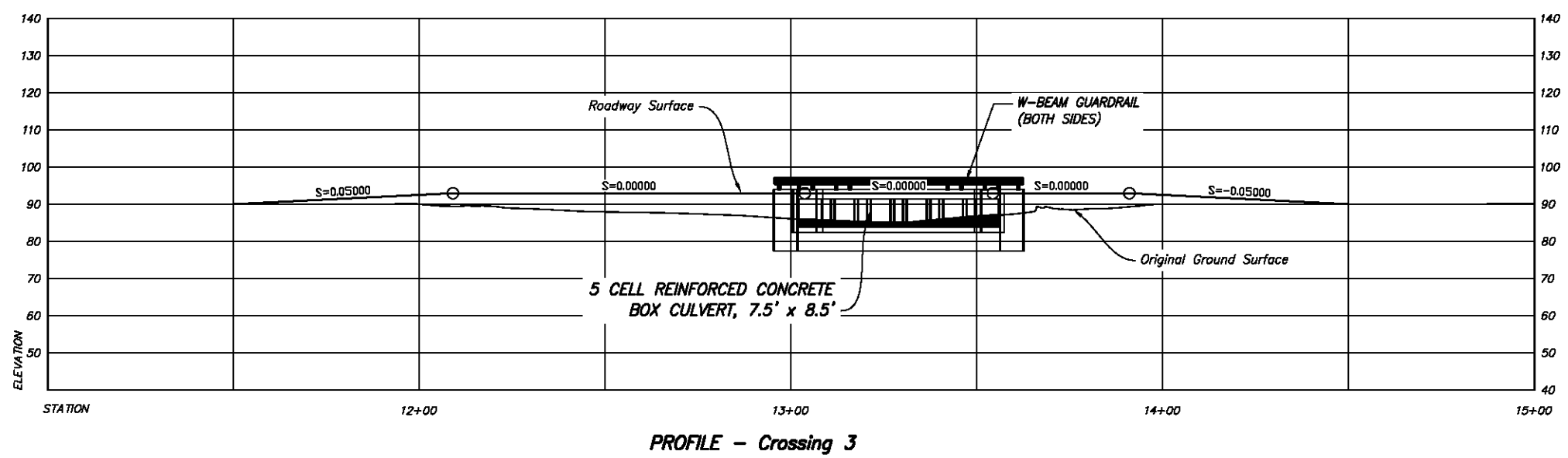
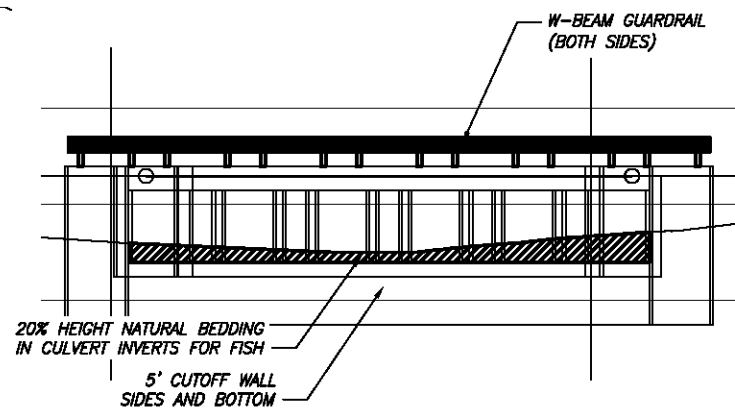
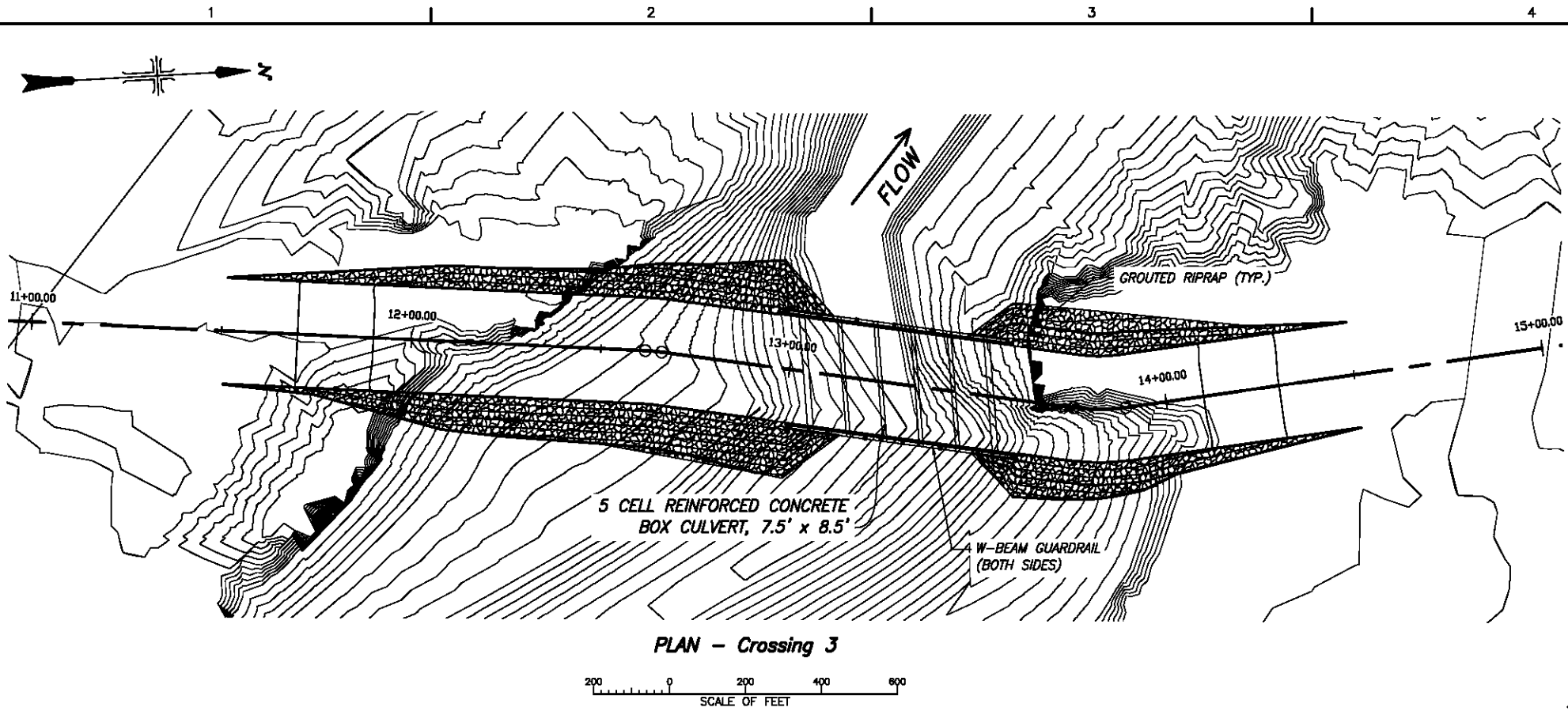
For Internal Use
 Draft
 ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT VALLEY - CALIFORNIA
 SAN JOAQUIN RIVER RESTORATION PROGRAM
 BEACH 4B
 CROSSING 2
 PLAN, PROFILE, AND SECTIONS
 ALTERNATIVE 3

DESIGNED	-----
DRAWN	-----
CHECKED	-----
TECH. APPR.	NAME - TITLE
APPROVED	PETER REINERD - NAME - TITLE
DENVER, COLORADO	OCTOBER 2017

DATE AND TIME PLOTTED
NAME AND TITLE
PLOTTED BY
Plot Number

CAD SYSTEM
AND/OR
CAD RELEASE
UNKNOWN

CROSSING #3



For Internal Use
 Draft
 ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
 SAN JOAQUIN RIVER RESTORATION PROGRAM
 BEACH 4B
 CROSSING 3
 PLAN, PROFILE, AND SECTIONS
 ALTERNATIVE 3

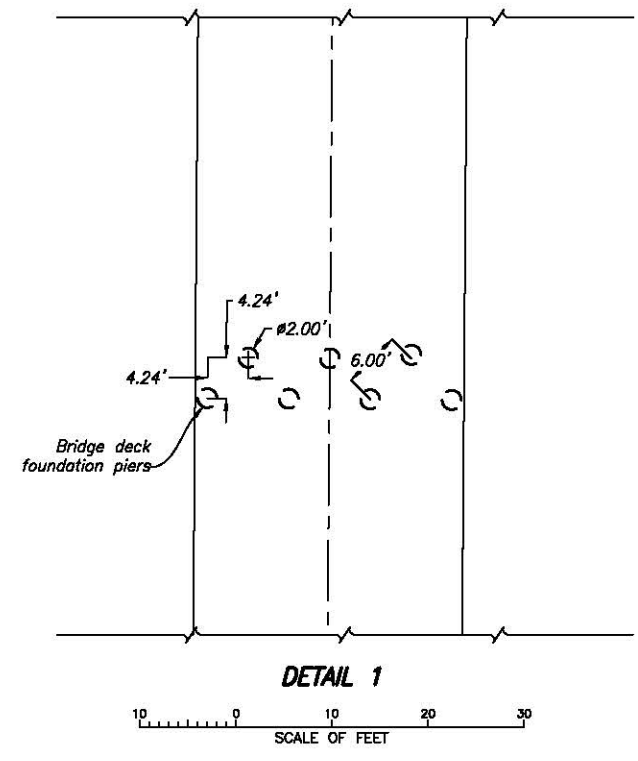
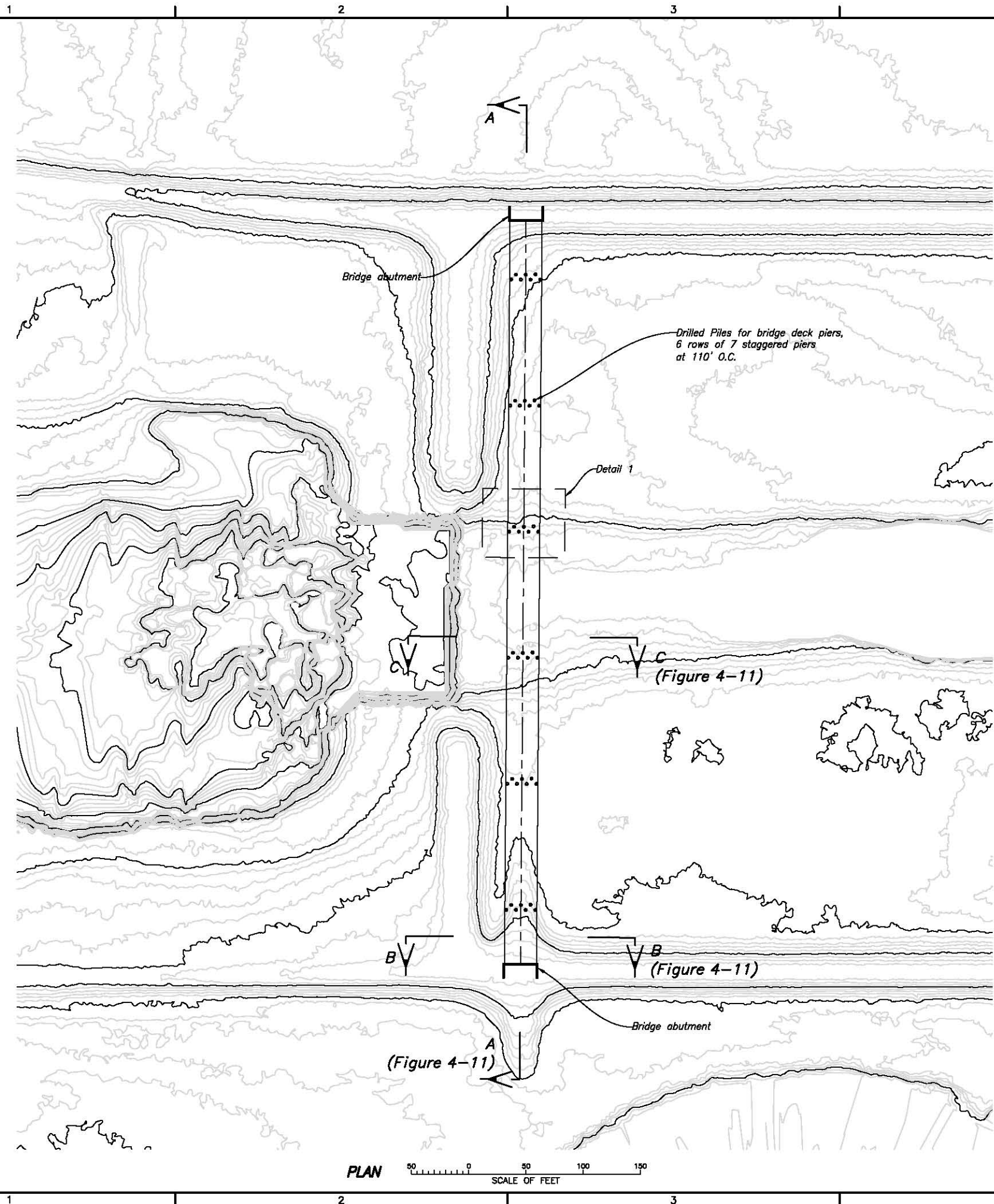
DESIGNED	-----
DRAWN	-----
CHECKED	-----
TECH. APPR.	NAME - TITLE
APPROVED	-----
	PETER REINER - NAME - TITLE
DENVER, COLORADO	OCTOBER 2011

FIGURE 4-9

DATE AND TIME PLOTTED
 NAME AND TITLE
 PLOTTED BY
 AND PLOTTED AT

CAD SYSTEM
 AND VERSION
 CAD FILENAME
 UNKNOWN

MARIPOSA BYPASS CROSSING



DATE AND TIME PLOTTED
BY
PLOTTER

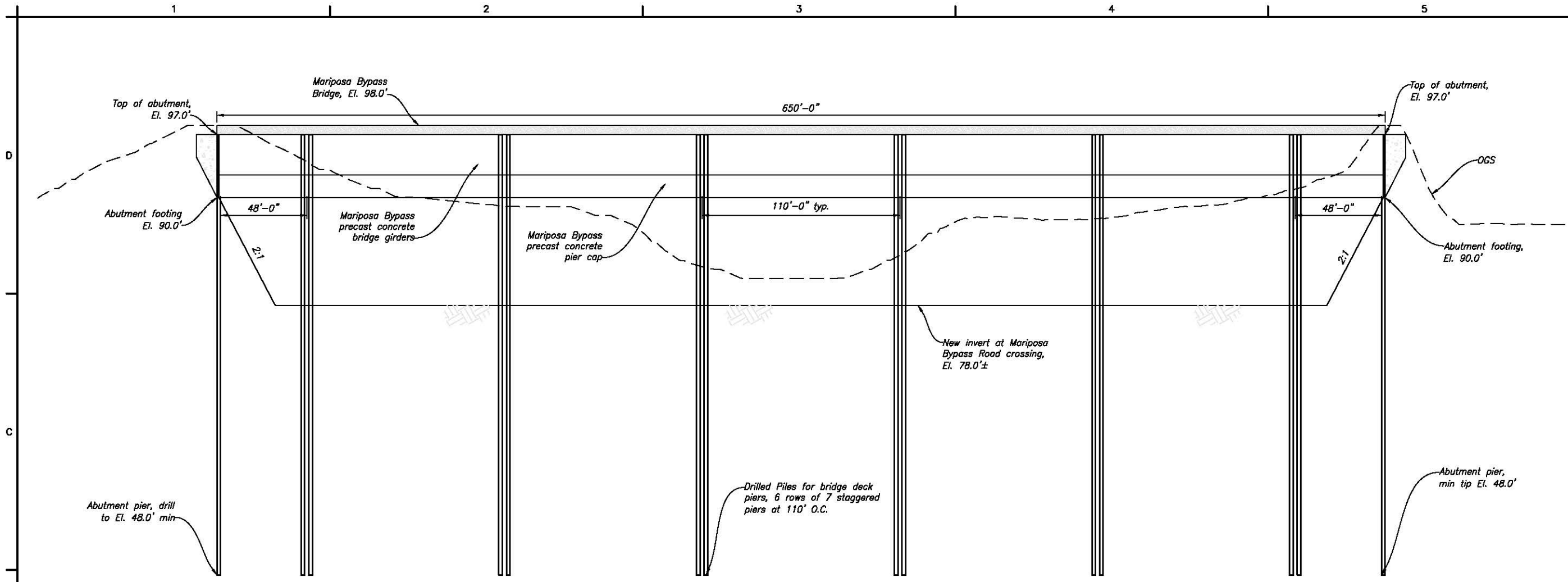
CAD SYSTEM
AND/OR
CAD RELEASE
DRAWING

ALWAYS THINK SAFETY

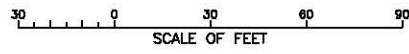
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
CENTRAL VALLEY PROJECT
FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
REACH 481
MARIOSA BYPASS ROAD BRIDGE
PLAN
Not For Alternative Distribution

DESIGNED _____
DRAWN _____
CHECKED _____
TECH. APPR. _____
APPROVED _____
DENVER, COLORADO OCTOBER 2011

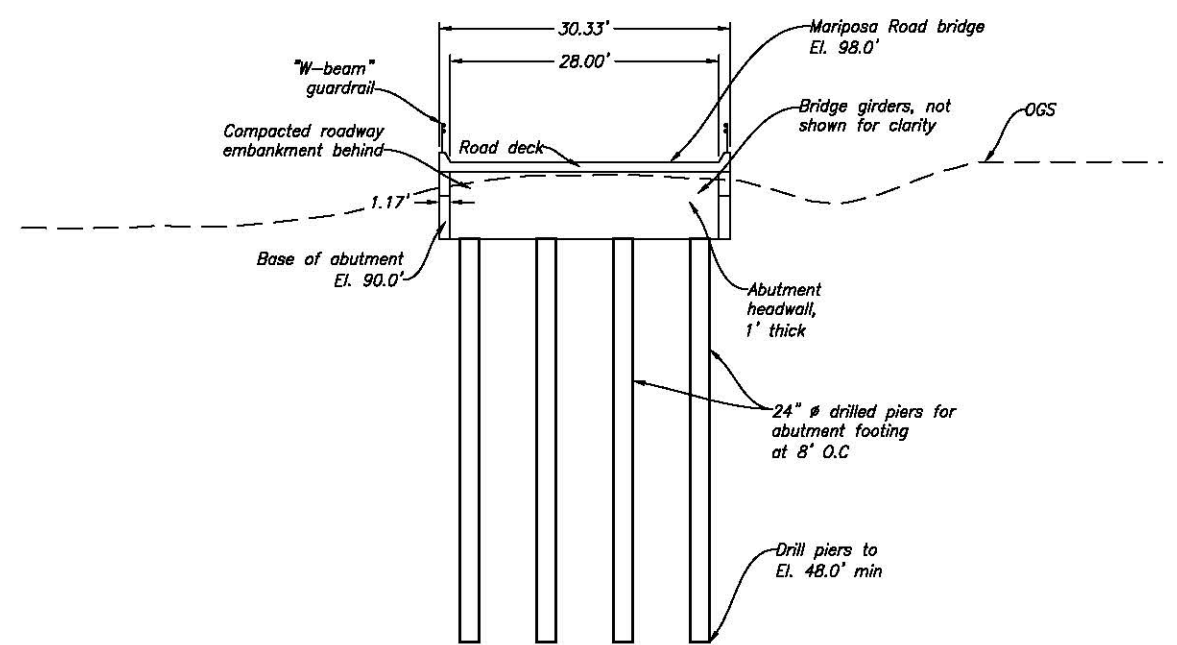
FIGURE 4-11
SHEET 1 OF 2



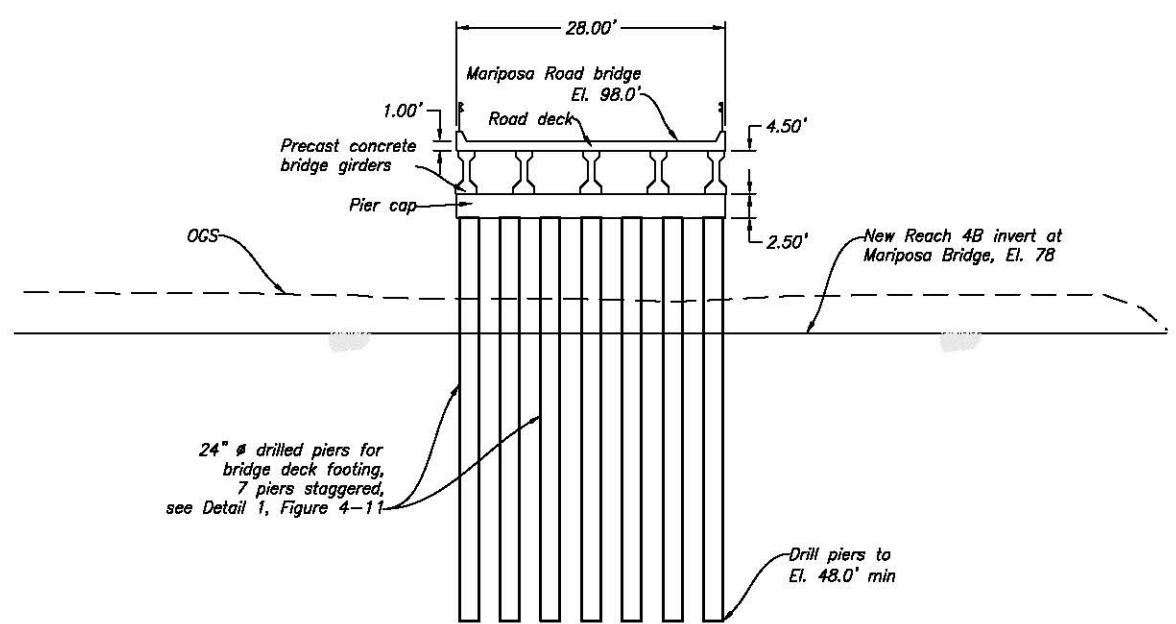
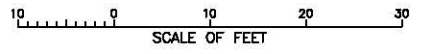
SECTION A-A
MARIPOSA BYPASS ROAD BRIDGE CENTERLINE



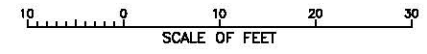
DATE AND TIME PLOTTED
AND FINISH
PLOTTED BY
NOT PRINTED



SECTION B-B
MARIPOSA ROAD BRIDGE ABUTMENT



SECTION C-C
MARIPOSA ROAD BRIDGE PIERS



CAD SYSTEM
AND/OR
CAD FILENAME
DRAWING

ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
 REACH 4B
 MARIPOSA BYPASS ROAD BRIDGE
 PROFILE AND SECTIONS
 ALTERNATIVE 1
 Not For Distribution

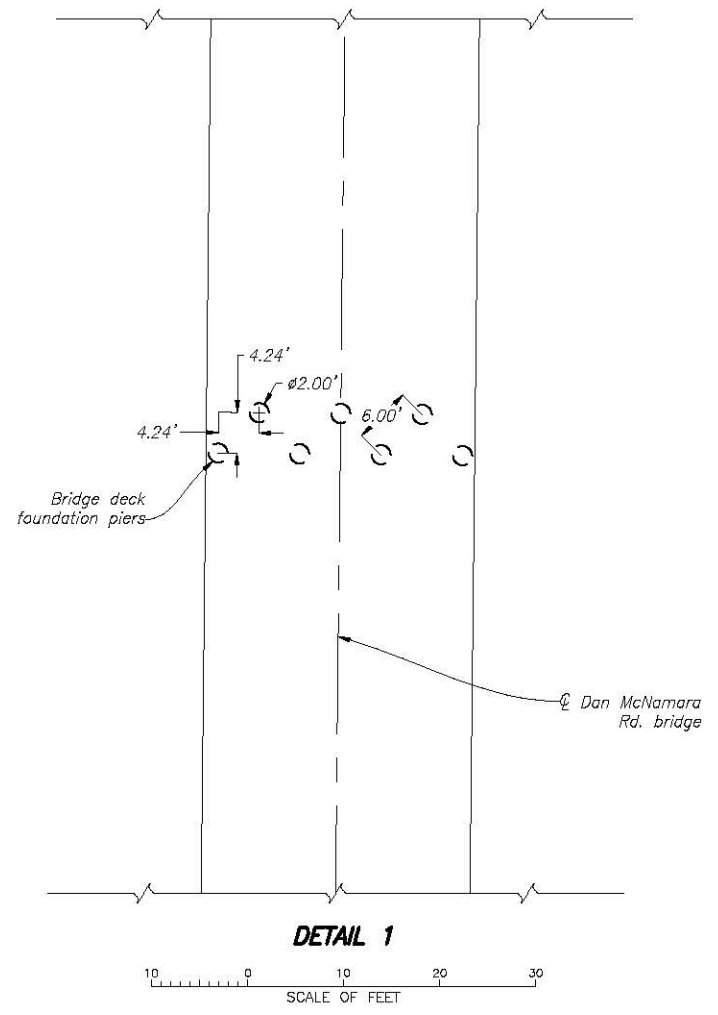
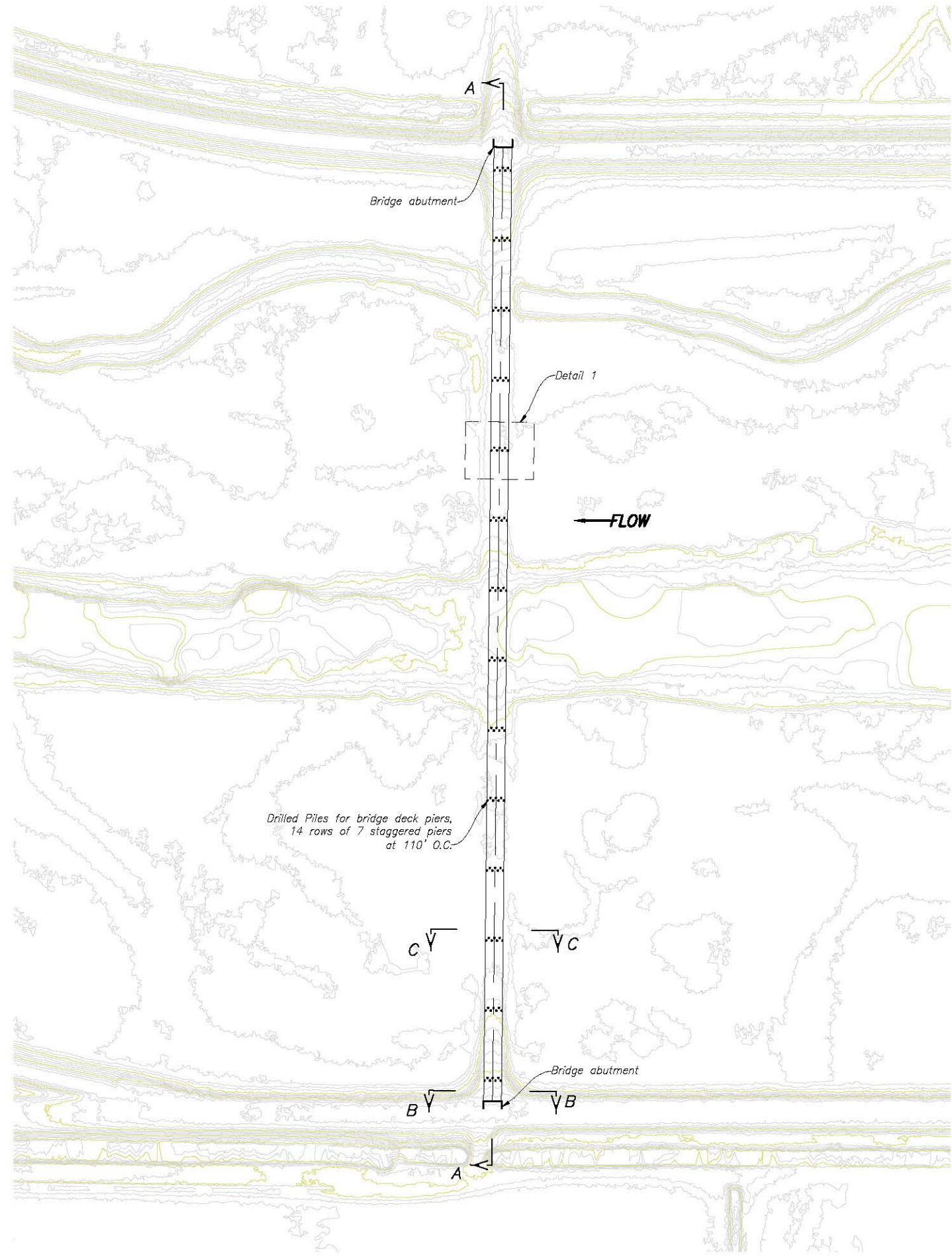
DESIGNED	-----
DRAWN	-----
CHECKED	-----
TECH. APPR.	NAME - TITLE
APPROVED	NAME - TITLE
DENVER, COLORADO	OCTOBER 2011

DAN MCNAMARA RD

ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
REACH 4B
 DAN McNAMARA ROAD BRIDGE
 PLAN, PROFILE, AND SECTIONS
 ALTERNATIVE 3
 Not for Distribution

DESIGNED - J. LORBERAU
 DRAWN - A. LATHAM
 CHECKED - J. LORBERAU
 TECH. APPR. - NAME - TITLE
 APPROVED - PEER REVIEWER - NAME - TITLE
 DENVER, COLORADO OCTOBER 2011

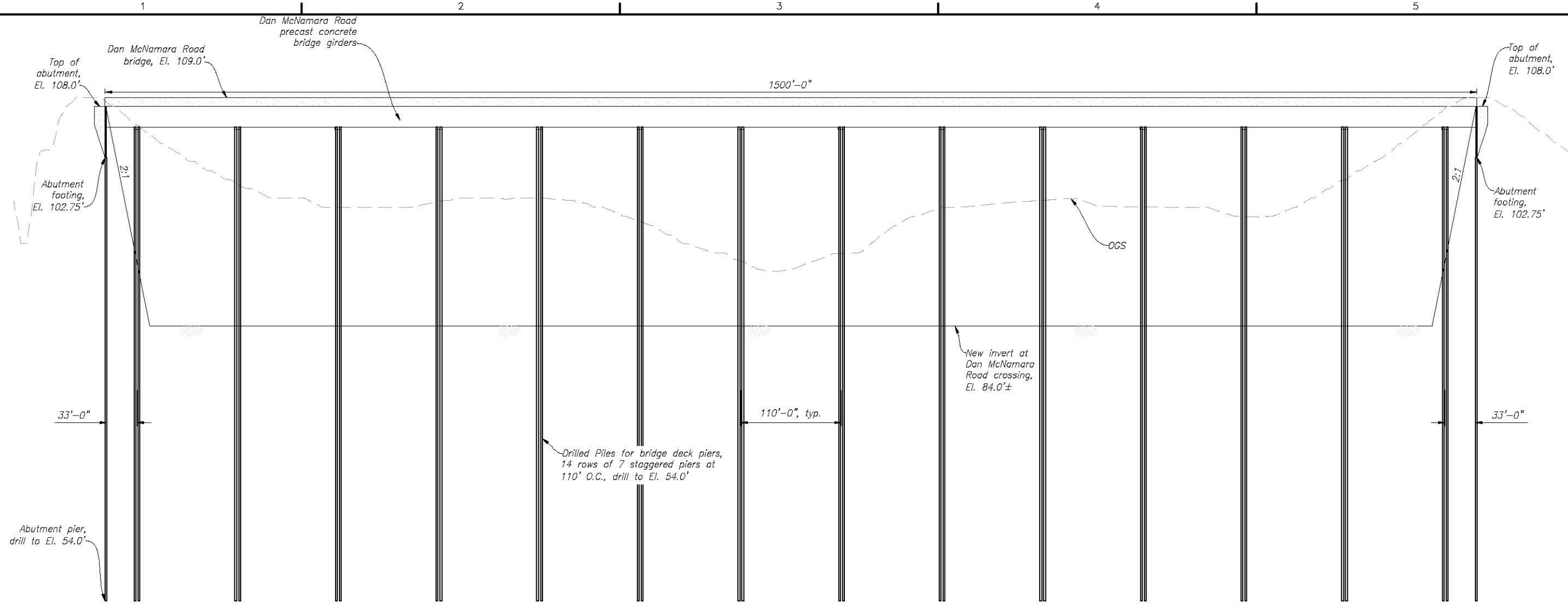
FIGURE 4-4
SHEET 1 OF 2



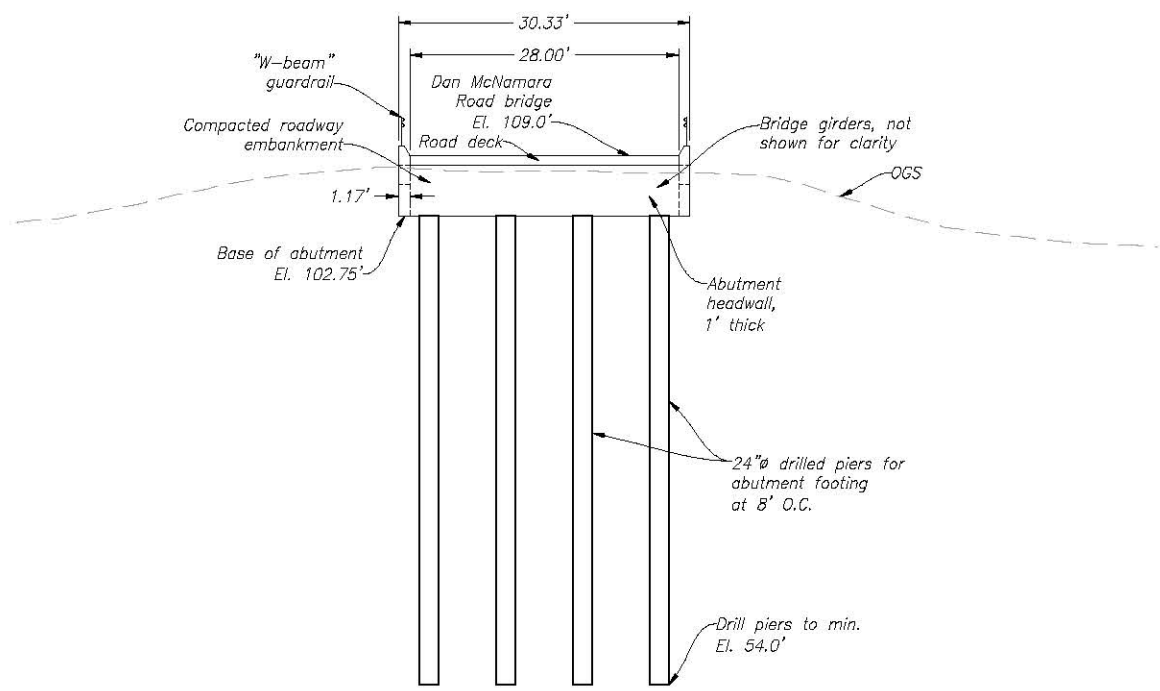
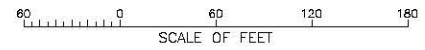
PLAN
SCALE OF FEET

CAD SYSTEM AUTOCAD
 CAD FILENAME 081011.DWG
 DATE AND TIME PLOTTED
 PLOTTED BY
 PLOTTER

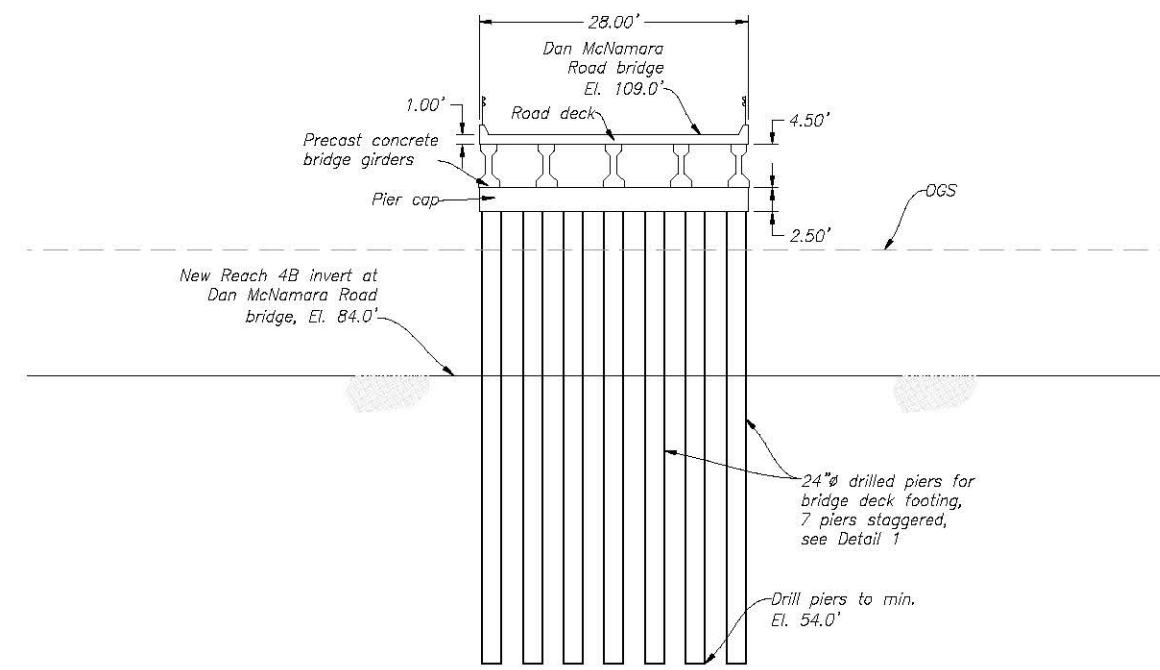
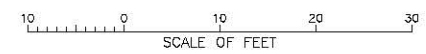




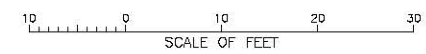
**SECTION A-A
EL NIDO ROAD BRIDGE CENTERLINE**



**SECTION B-B
DAN McNAMARA ROAD BRIDGE ABUTMENT**



**SECTION C-C
DAN McNAMARA ROAD BRIDGE PIERS**



DATE AND TIME PLOTTED
FILE PLOTTED BY
FILE PLOTTED BY

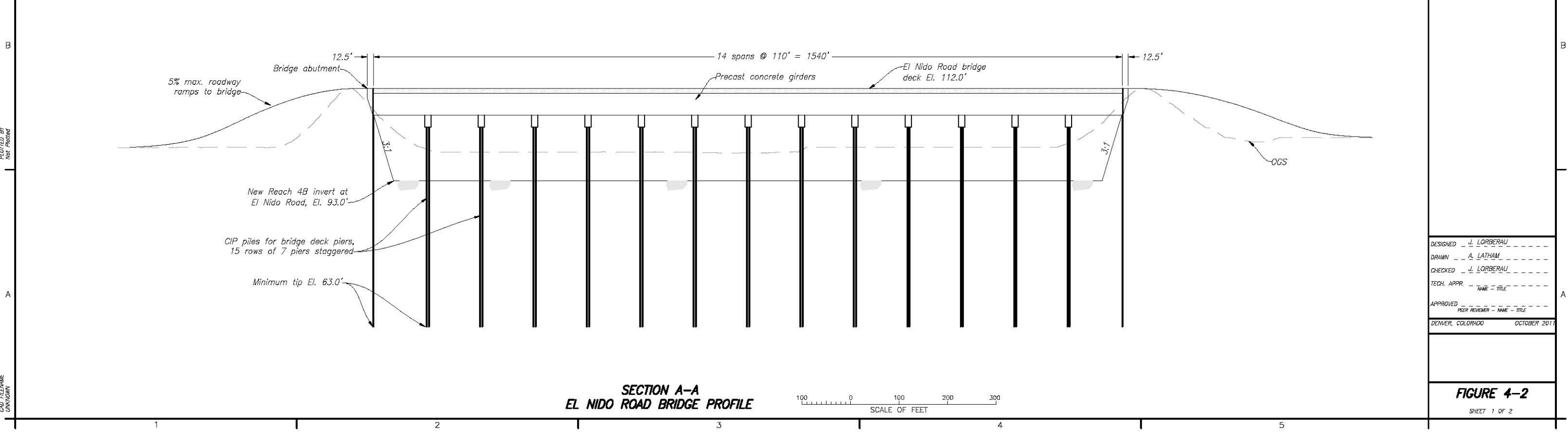
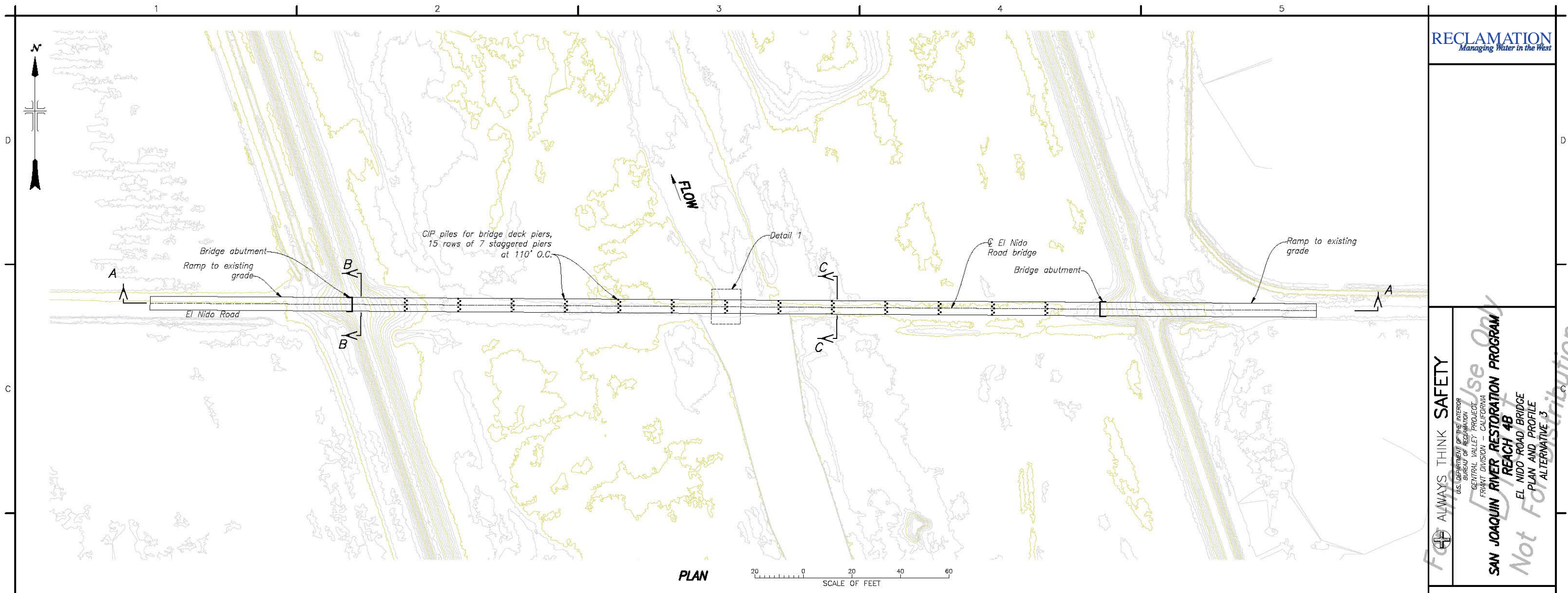
CAD SYSTEM
AUTOCAD
CAD FILENAME
UNREVIEW

FOR ALWAYS THINK SAFETY

FOR OFFICIAL USE ONLY
SAN JOAQUIN RIVER RESTORATION PROGRAM
REACH 4B
DAN McNAMARA ROAD BRIDGE
PLAN, PROFILE, AND SECTIONS
ALTERNATIVE 3
Not for Distribution

DESIGNED - J. LORBERAU
DRAWN - A. LATHAM
CHECKED - J. LORBERAU
TECH. APPR. - NAME - TITLE
APPROVED - PEER REVIEWER - NAME - TITLE
DENVER, COLORADO OCTOBER 2011

W EL NIDO RD



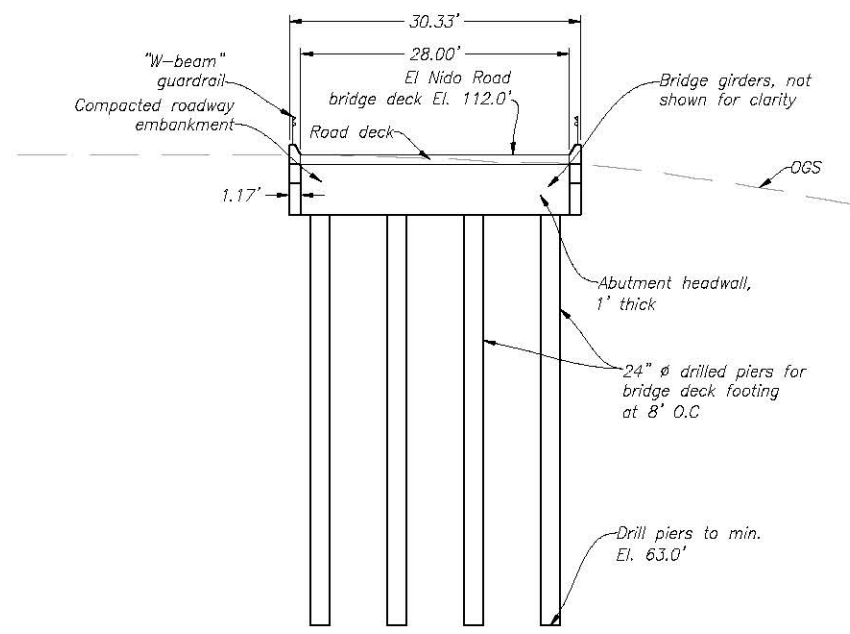
DATE AND TIME PLOTTED
NOT PLOTTED
PLOTTED BY
NOT PLOTTED

CAD SYSTEM
AUTOCAD
CAD FILENAME
UNKNOW

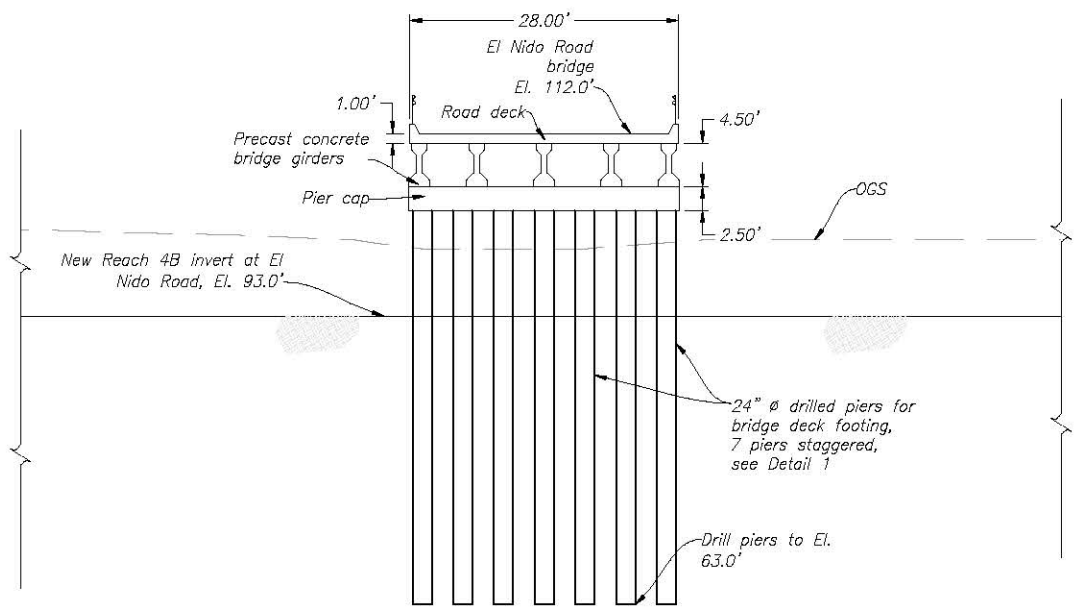
FOIA ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
REACH 4B
 EL NIDO ROAD BRIDGE
 PLAN AND PROFILE
 ALTERNATIVE 3
 Not For Distribution

DESIGNED	J. LORBERAU
DRAWN	A. LATHAM
CHECKED	J. LORBERAU
TECH. APPR.	NAME - TITLE
APPROVED	NAME - TITLE
DENVER, COLORADO OCTOBER 2011	

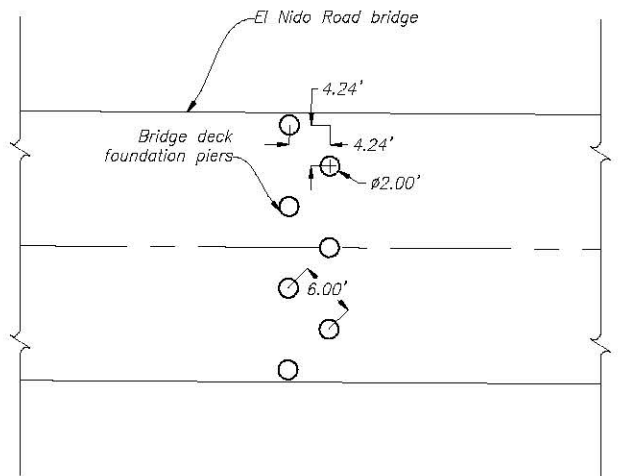
FIGURE 4-2
SHEET 1 OF 2



SECTION B-B ABUTMENT
SCALE OF FEET



SECTION C-C BRIDGE DECK PIERS
SCALE OF FEET



DETAIL 1
SCALE OF FEET

ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
EL NIDO ROAD BRIDGE
SECTIONS AND DETAIL
ALTERNATIVE 3
 Not For Distribution

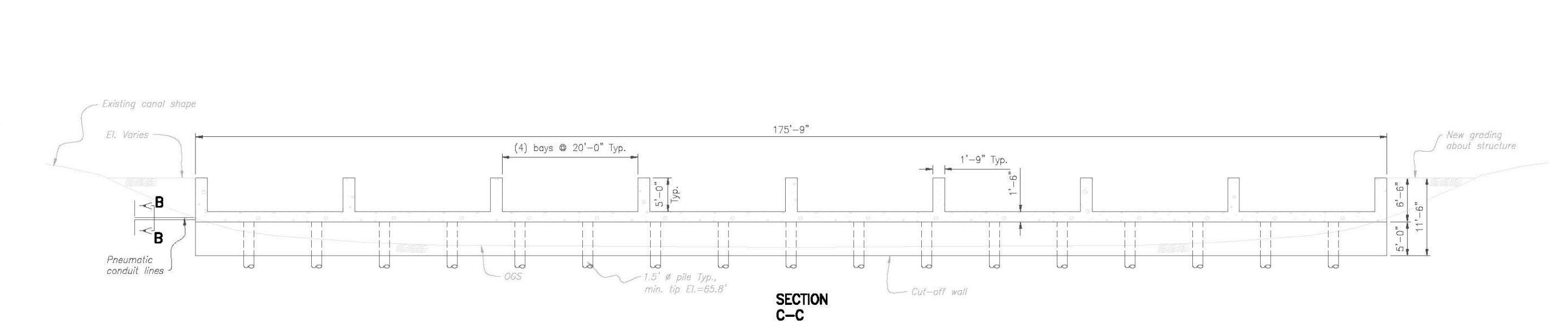
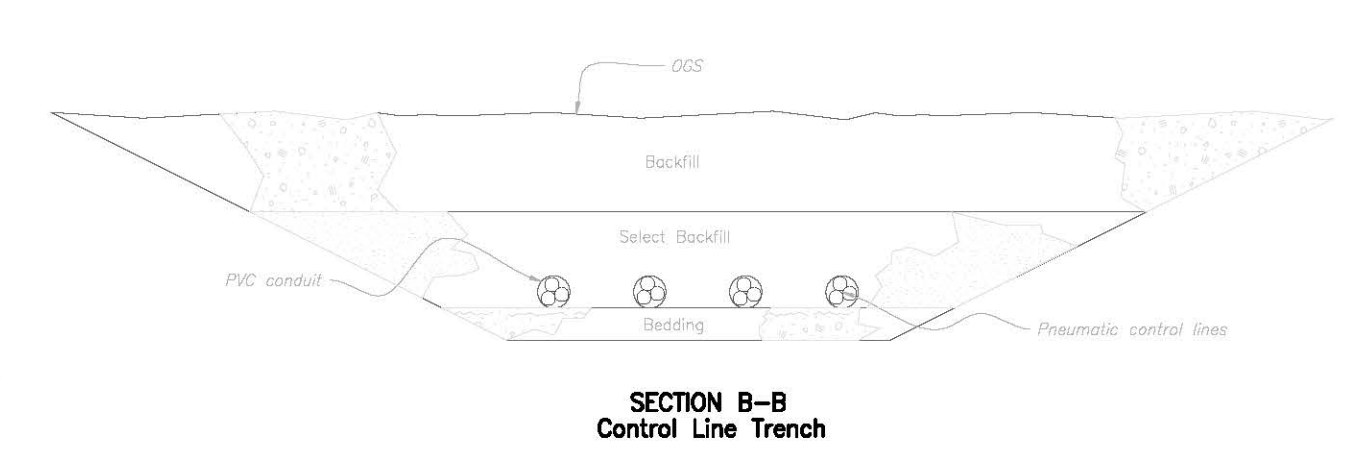
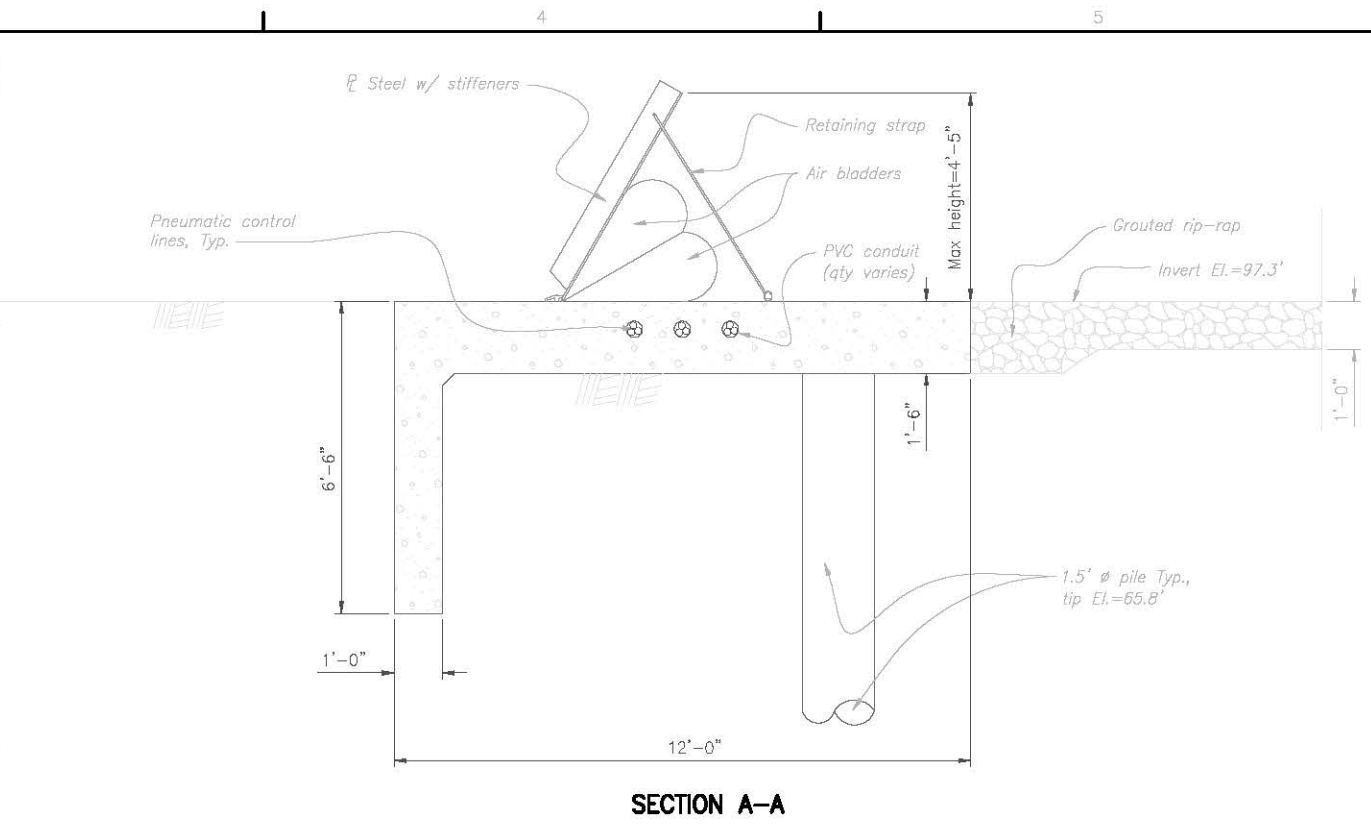
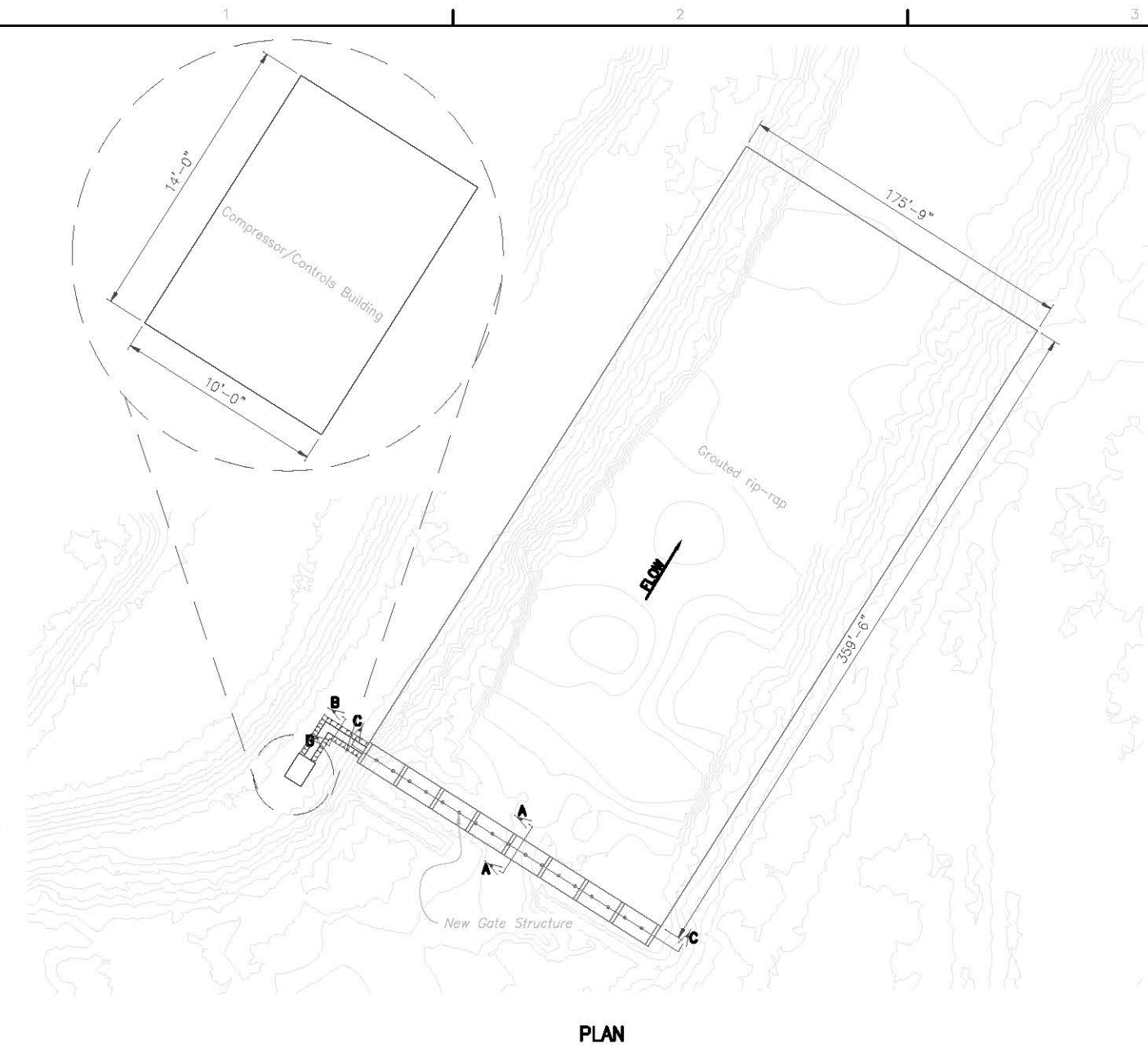
DESIGNED - J. LORBERAU
 DRAWN - A. LATHAM
 CHECKED - J. LORBERAU
 TECH. APPR. - NAME - TITLE
 APPROVED - PEER REVIEWER - NAME - TITLE
 DENVER, COLORADO OCTOBER 2011

FIGURE 4-2
SHEET 2 OF 2

DATE AND TIME PLOTTED
 Not Plotted
 PLOTTED BY
 Not Plotted

CAD SYSTEM
 AUTOCAD
 CAD FILENAME
 UNKNOW

SAND SLOUGH CONTROL STRUCTURE



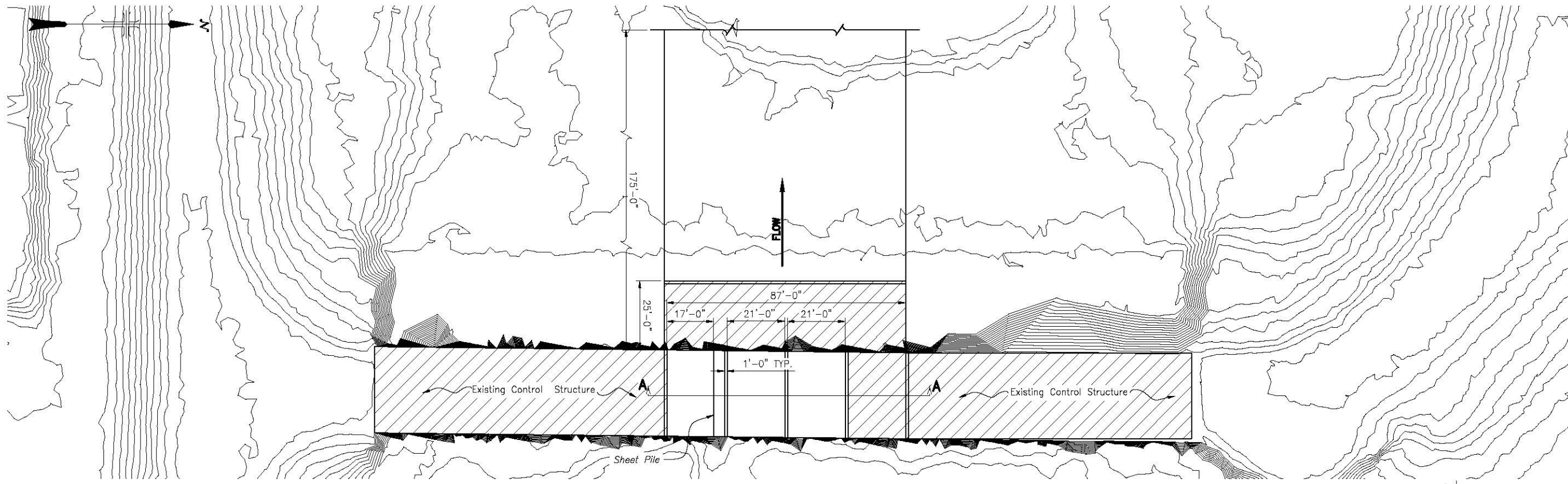
Note:
1. Compressor/controls building is masonry with steel roof; 10' tall.

ALWAYS THINK SAFETY
 FCH Intermodal Use Only
 CENTRAL VALLEY PROJECT
 FRONT DIVISION CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
 SAND SLOUGH CONTROL STRUCTURE
 PLAN AND SECTIONS
 Not For Alternative 3...

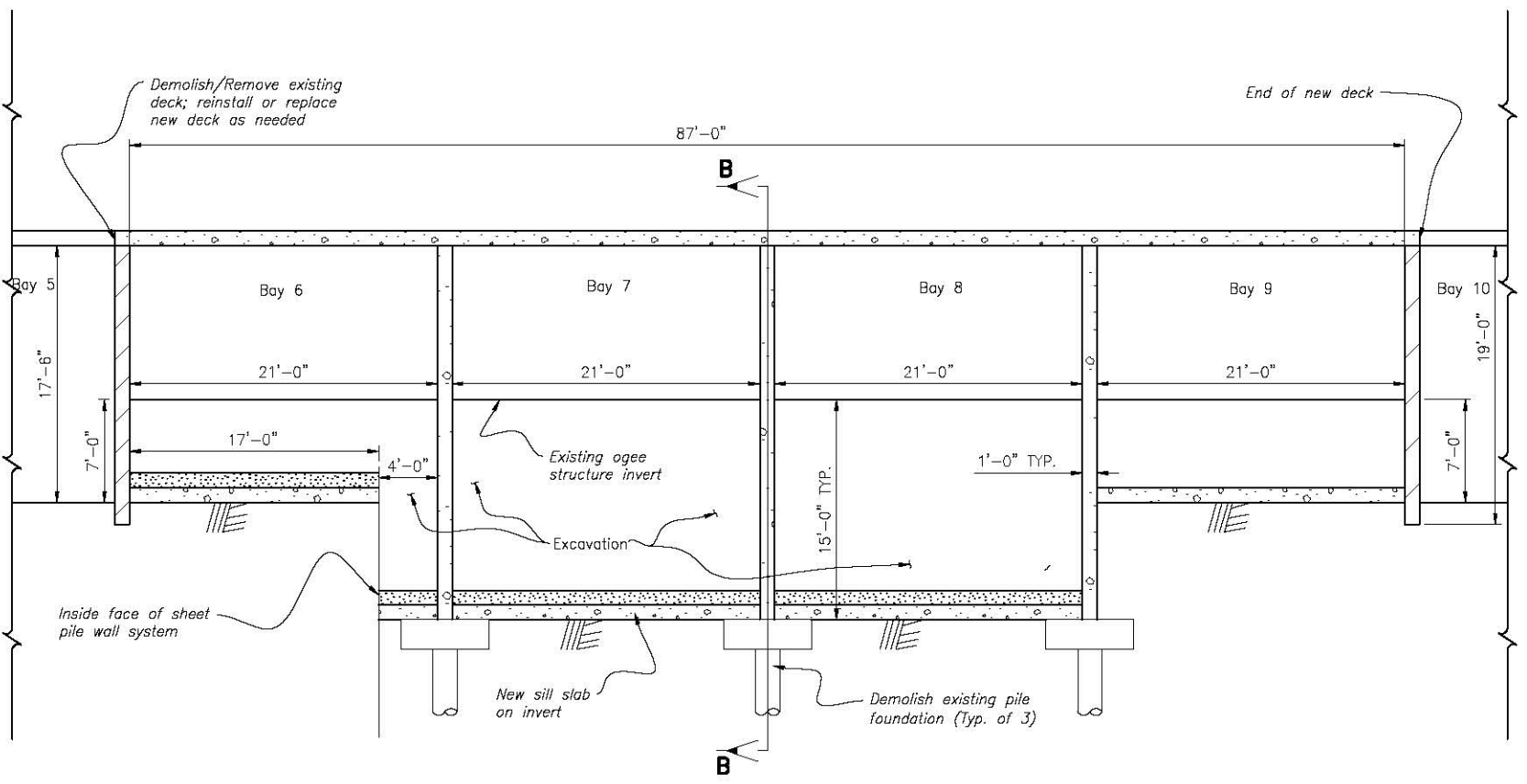
DESIGNED	---
DRAWN	---
CHECKED	---
TECH. APPR.	NAME - TITLE
APPROVED	PETER REICHERT - NAME - TITLE
DENVER, COLORADO	OCTOBER 2011

DATE AND TIME PLOTTED
 Not Plotted
 PLOTTED BY
 Not Plotted
 OGS SYSTEM
 AUTOCAD
 OGS FILENAME
 UNKNOW

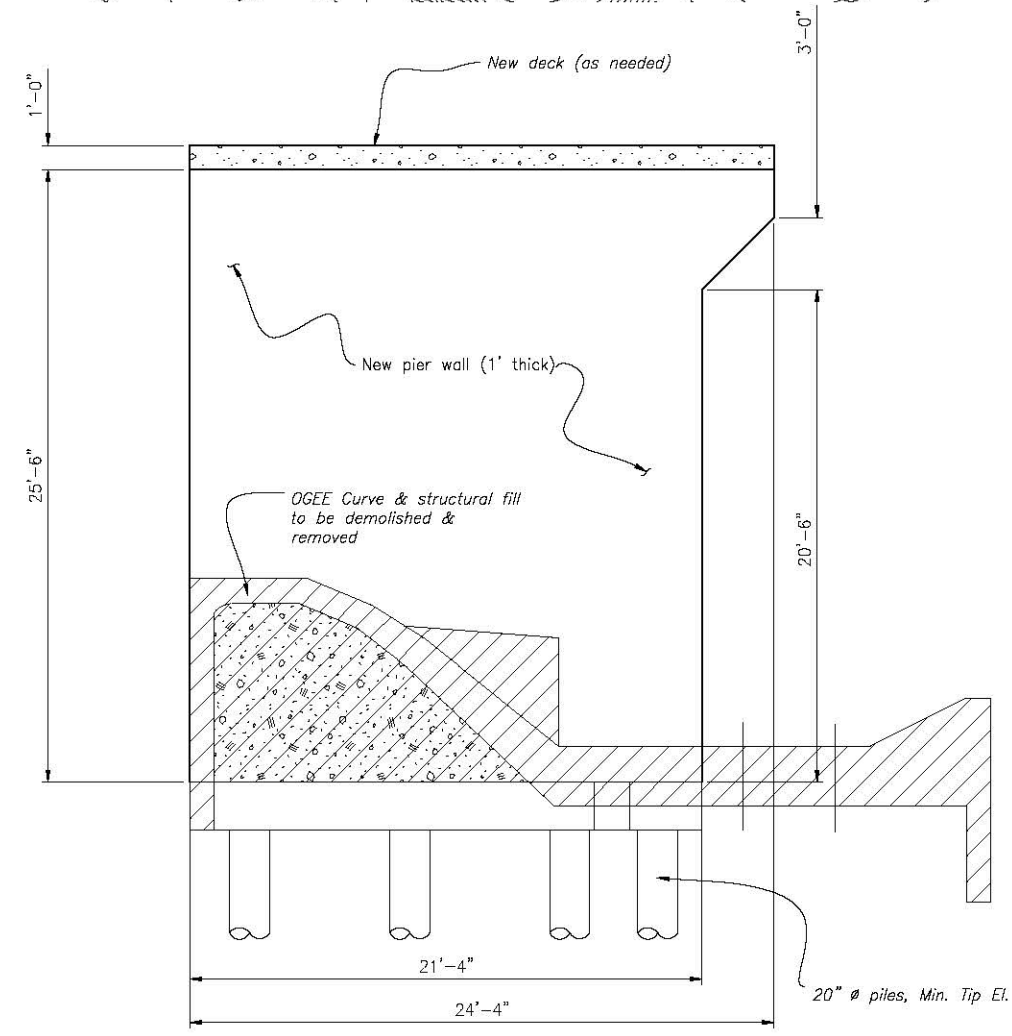
MARIPOSA BYPASS CONTROL STRUCTURE



PLAN



SECTION A-A



SECTION B-B

ALWAYS THINK SAFETY
 U.S. DEPARTMENT OF THE INTERIOR
 CENTRAL VALLEY PROJECT
 FRONT DIVISION - CALIFORNIA
SAN JOAQUIN RIVER RESTORATION PROGRAM
 MARIPOSA BYPASS CONTROL STRUCTURE
 PLAN AND SECTIONS
 Not For Alternative 1

DESIGNED	G. Ledezma
DRAWN	
CHECKED	J. Lorberau
TECH. APPR.	NAME - TITLE
APPROVED	NAME - TITLE
DENVER, COLORADO	OCTOBER 201

Fig. 2-9