STATE OF CALIFORNIA
THE RESOURCES AGENCY

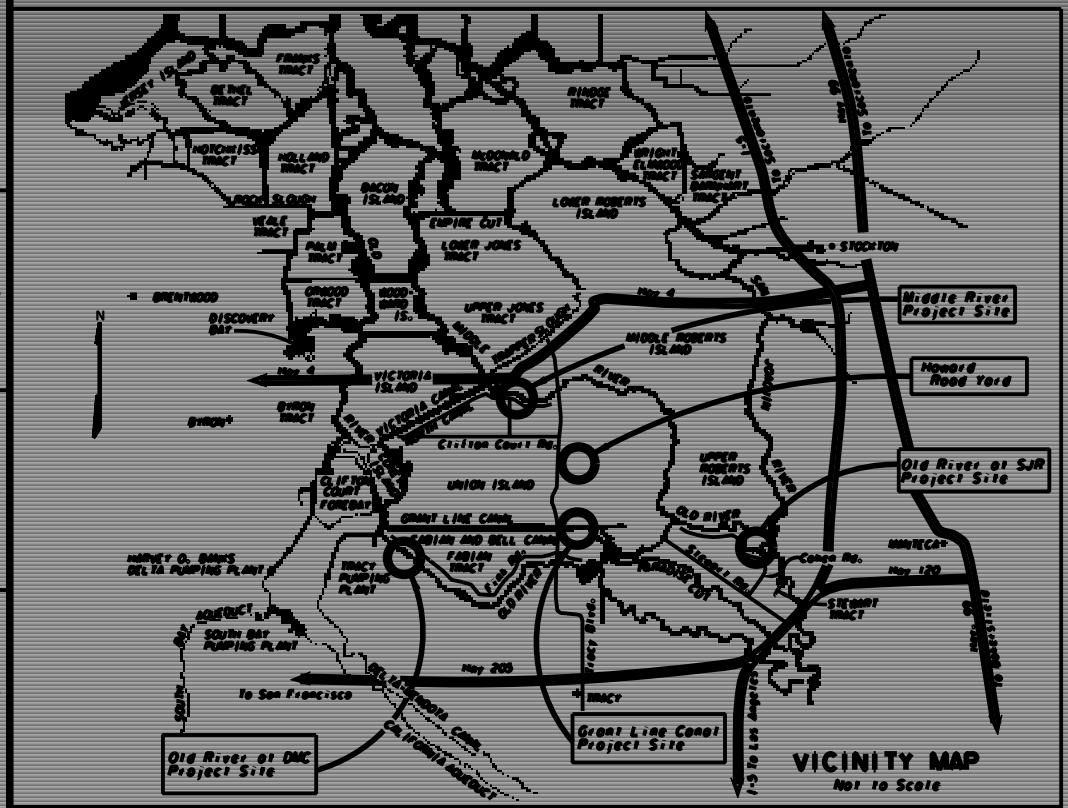
DEPARTMENT OF WATER RESOURCES

DIVISION OF ENGINEERING

SOUTH DELTA INTERIM FACILITIES

OLD RIVER, MIDDLE RIVER, GRANT LINE CANAL TEMPORARY ROCK BARRIERS – 2007, 2008, AND 2009

SPECIFICATION NO. 06–26



PAGE NO.	DRAWING NO.	CONCEPTUAL DRAWING TITLE
1	G1-1	VICINITY MAP AND LIST OF DRAWINGS
2	C1-1	OLD RIVER AT SJR (SPRING) - PLAN
3	C1-2	OLD RIVER AT SJR (SPRING) - PROFILE AND SECTION
4	C2-1	OLD RIVER AT SJR (FALL) - PLAN
5	C2-2	OLD RIVER AT SJR (FALL) - PROFILE AND SECTION
6	C3-1	OLD RIVER AT DMC - PLAN, PROFILE AND SECTION
7	C4-1	MIDDLE RIVER - PLAN, PROFILE AND SECTION
8	C5-1	GRANT LINE CANAL - PLAN, PROFILE AND SECTION

00015–2

APPROVED DATE: OCT 25, 2006
ORIGINAL SIGNED BY
R. Sanchez
CHIEF
DIVISION OF ENGINEERING
REG. C.E. No. 37148

SPEC. No. 06–26
DRAWING No. G1–1
REV. SHEET No. 1

REV.	DATE	DESCRIPTION	SUB.	APP'D

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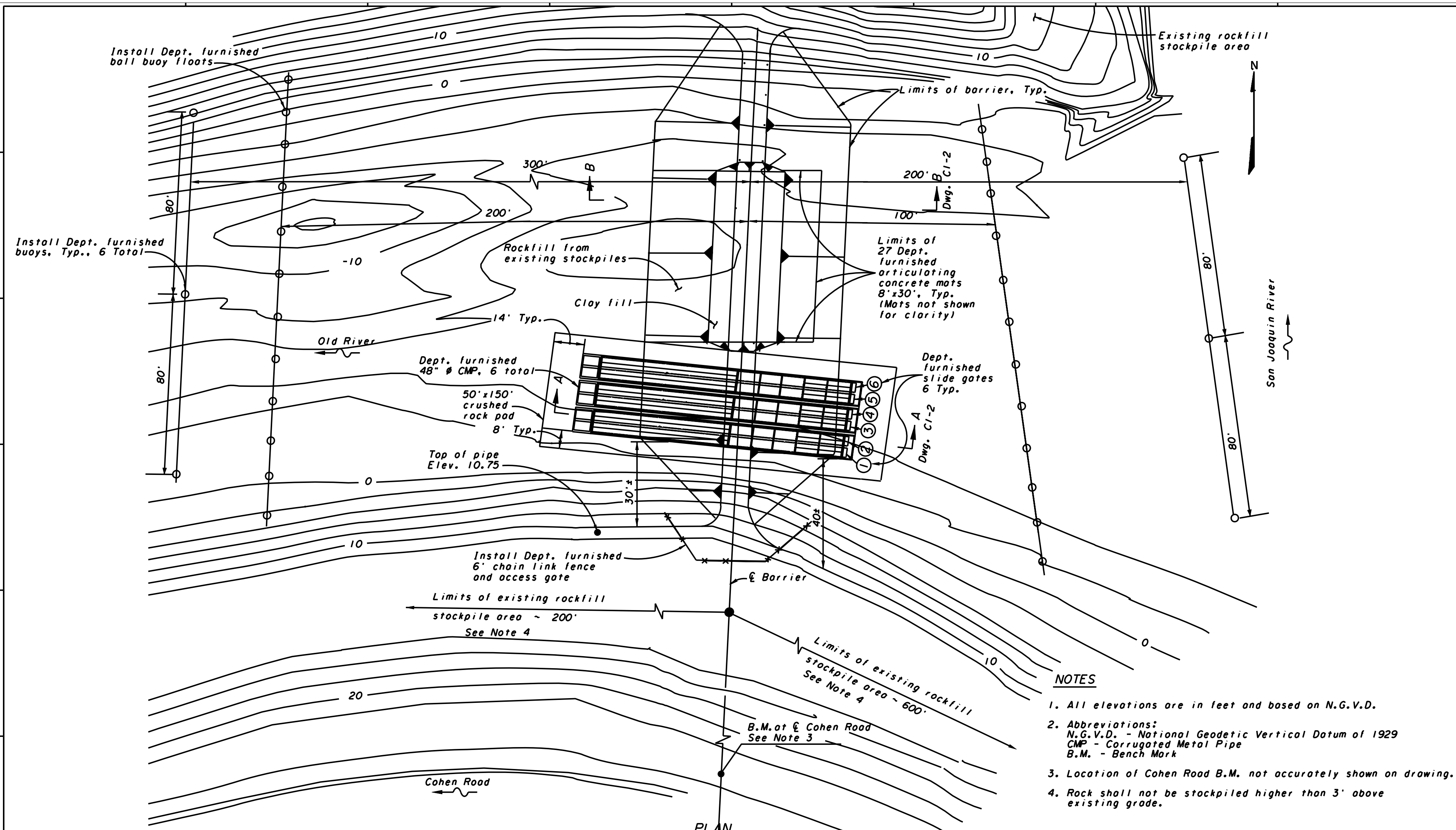

PLAN

Scale: 1" = 20'

NOTES

1. All elevations are in feet and based on N.G.V.D.
2. Abbreviations:
   N.G.V.D. - National Geodetic Vertical Datum of 1929
   CMP - Corrugated Metal Pipe
   B.M. - Bench Mark
3. Location of Cohen Road B.M. not accurately shown on drawing.
4. Rock shall not be stockpiled higher than 3' above existing grade.

00015–3

REV.	DATE	DESCRIPTION	SUB.	APP'D

DESIGNED J.A. Hooper, REG. C.E. No. 56618
CHECKED D. Williams, REG. C.E. No. 59322
DRAWN M. Vue
REVIEWED D. Rennie, REG. C.E. No. 61723
SUBMITTED: D. Rennie, REG. C.E. No. 61723
APPROVAL RECOMMENDED: T. C. Liu, CHIEF, GENERAL ENGINEERING SECTION, REG. C. E. No. 35025
APPROVED: ORIGINAL SIGNED BY T. C. Liu, ACTING CHIEF, CIVIL ENGINEERING BRANCH, REG. C. E. No. 35025 DATE: OCT 24, 2006

REGISTERED PROFESSIONAL ENGINEER DAVID C. RENNIE No. 61723 Exp. 6-30-07 CIVIL STATE OF CALIFORNIA

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
DIVISION OF ENGINEERING
STATE WATER FACILITIES

SOUTH DELTA INTERIM FACILITIES
TEMPORARY ROCK BARRIERS – 2007, 2008, AND 2009
OLD RIVER AT SJR (SPRING)
PLAN

SPEC. No. 06–26
DRAWING No. C1–1
REV.
SHEET No. 2

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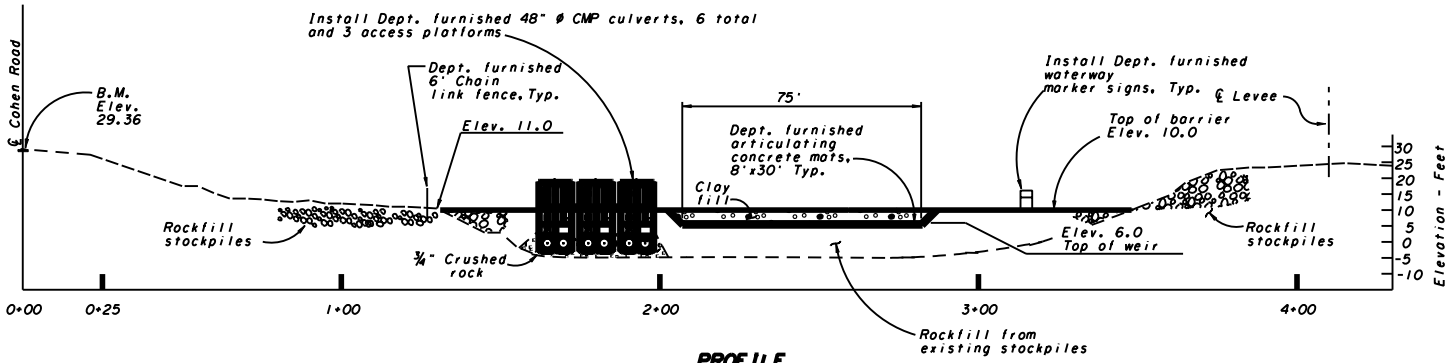
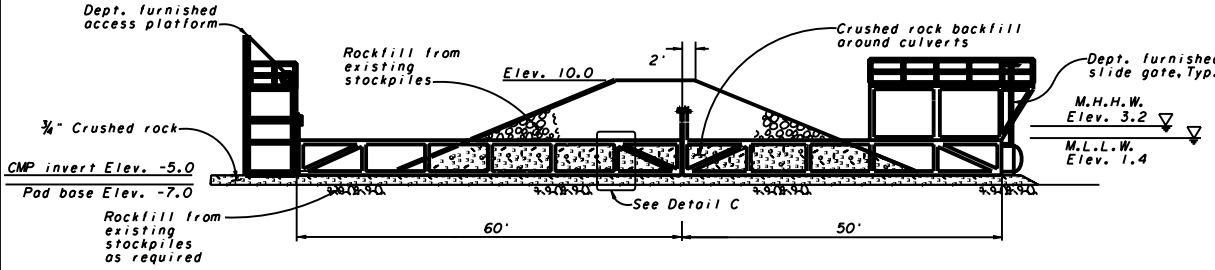


PROFILE

Scale: 1" = 20'



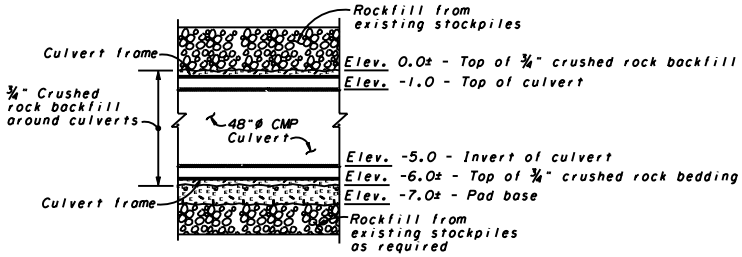
SECTION A-A

Scale: 1" = 10'

Dwg. C1-1

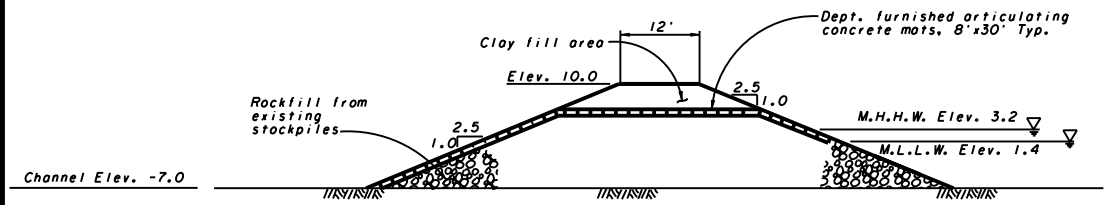
Old River side

San Joaquin River side



DETAIL C

Scale: NTS



SECTION B-B

Scale: 1" = 10'

Dwg. C1-1

Old River side

San Joaquin River side

NOTES

1. All elevations are in feet and based on N.G.V.D.
2. Maximum water surface on San Joaquin to ensure barrier stability Elev. 8.5 ft
3. Abbreviations:
   N.G.V.D. - National Geodetic Vertical Datum of 1929
   M.H.H.W. - Mean High High Water
   M.L.L.W. - Mean Low Low Water
   CMP - Corrugated Metal Pipe
   B.M. - Bench Mark

1" = 10' 10 0 10 20 30 40

1" = 20' 20 0 20 40 60 80

SCALE OF FEET

00015-4

REV.	DATE	DESCRIPTION	SUB.	APP'D

DESIGNED J. A. Hooper REG. C.E. 56618
CHECKED M. Vue
DRAWN J. A. Hooper REG. C.E. 56618
REVIEWED D. Rennie REG. C.E. No. 61723
SUBMITTED: D. Rennie REG. C.E. No. 61723

APPROVAL RECOMMENDED: T. C. LIU CHIEF, GENERAL ENGINEERING SECTION, REG. C.E. No. 35025

APPROVED: ORIGINAL SIGNED BY T. C. LIU ACTING CHIEF, CIVIL ENGINEERING BRANCH, REG. C.E. No. 35025 DATE: OCT 24, 2008

REGISTERED PROFESSIONAL ENGINEER DAVID C. RENNIE No. 61723 Exp. 6-30-07 CIVIL STATE OF CALIFORNIA

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
DIVISION OF ENGINEERING
STATE WATER FACILITIES

SOUTH DELTA INTERIM FACILITIES
TEMPORARY ROCK BARRIERS - 2007, 2008, AND 2009
OLD RIVER AT SJR (SPRING)
PROFILE AND SECTION

SPEC. No. 06-26
DRAWING No. C1-2
REV.
SHEET No. 3

A B C D E F G H

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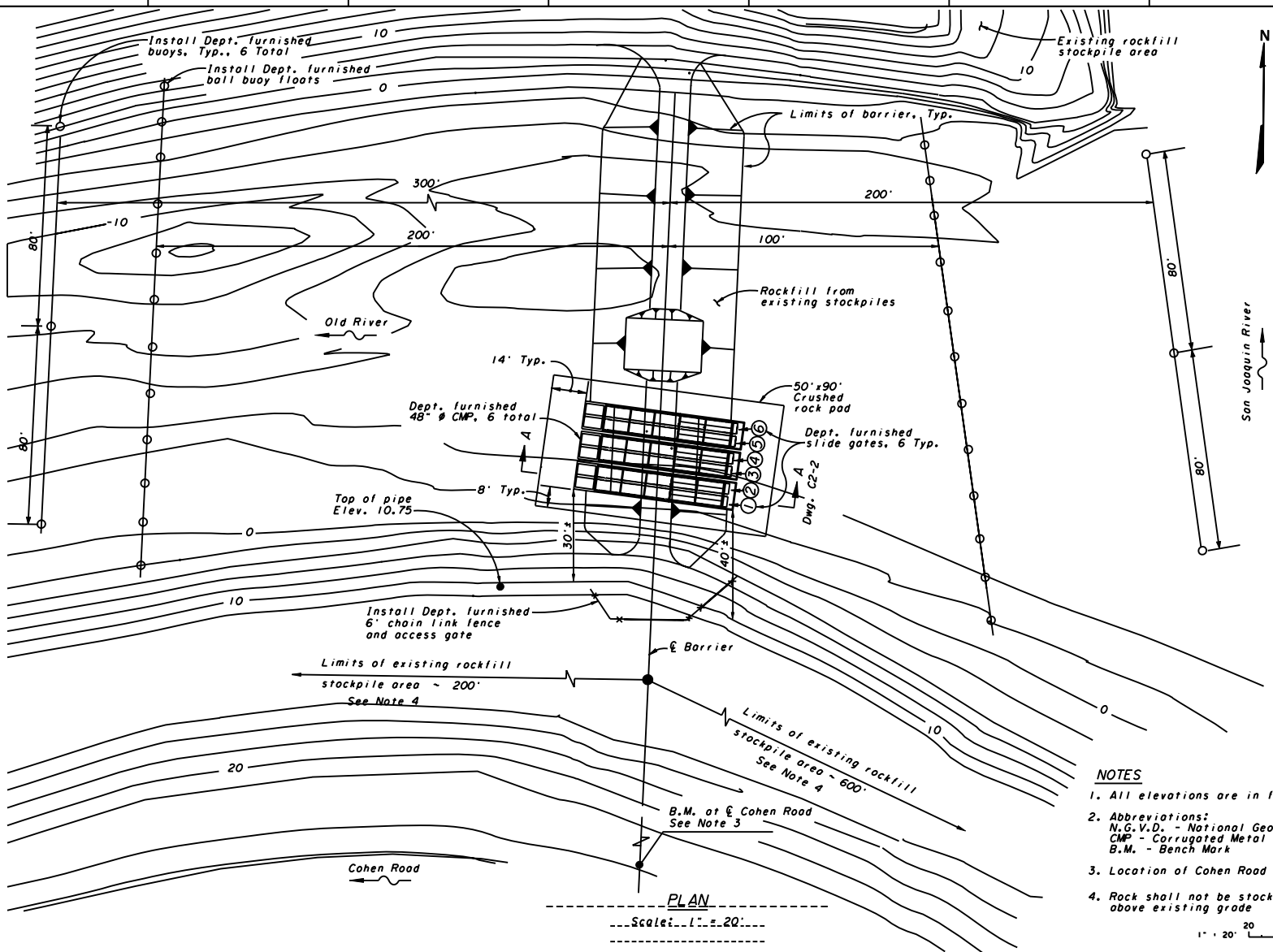

PLAN

Scale: 1" = 20'

NOTES

1. All elevations are in feet and based on N.G.V.D.
2. Abbreviations:
   N.G.V.D. - National Geodetic Vertical Datum of 1929
   CMP - Corrugated Metal Pipe
   B.M. - Bench Mark
3. Location of Cohen Road B.M. not accurately shown on drawing.
4. Rock shall not be stockpiled higher than 3' above existing grade

1" = 20' 20 0 20 40 60 80 SCALE OF FEET

00015-5

REV.	DATE	DESCRIPTION	SUB.	APP'D

DESIGNED J.A. Hooper REG. C.E. No. 56618
CHECKED D. Williams REG. C.E. No. 59322
DRAWN W. Yue
REVIEWED D. Reagie
SUBMITTED D. Reagie REG. C.E. No. 61723
APPROVAL RECOMMENDED: T. C. Liu CHIEF, DESIGN ENGINEERING SECTION, REG. C.E. No. 35025
APPROVED: ORIGINAL SIGNED BY T. C. Liu DATE: OCT 24, 2006 ACTING CHIEF, CIVIL ENGINEERING BRANCH, REG. C.E. No. 35025

REGISTERED PROFESSIONAL ENGINEER DAVID C. REWALT No. 61723 Exp. 6-30-07 CIVIL STATE OF CALIFORNIA
REG. STAMP

STATE OF CALIFORNIA
THE RESOURCES AGENCY
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STATE WATER FACILITIES

SOUTH DELTA INTERIM FACILITIES
TEMPORARY ROCK BARRIERS - 2007, 2008, AND 2009
OLD RIVER AT SJR (FALL)
PLAN

SPEC. No. 06-26
DRAWING No. C2-1
REV. SHEET No. 4

V1:
PRFNAME
DESIGNFILESPECIFICATIONS

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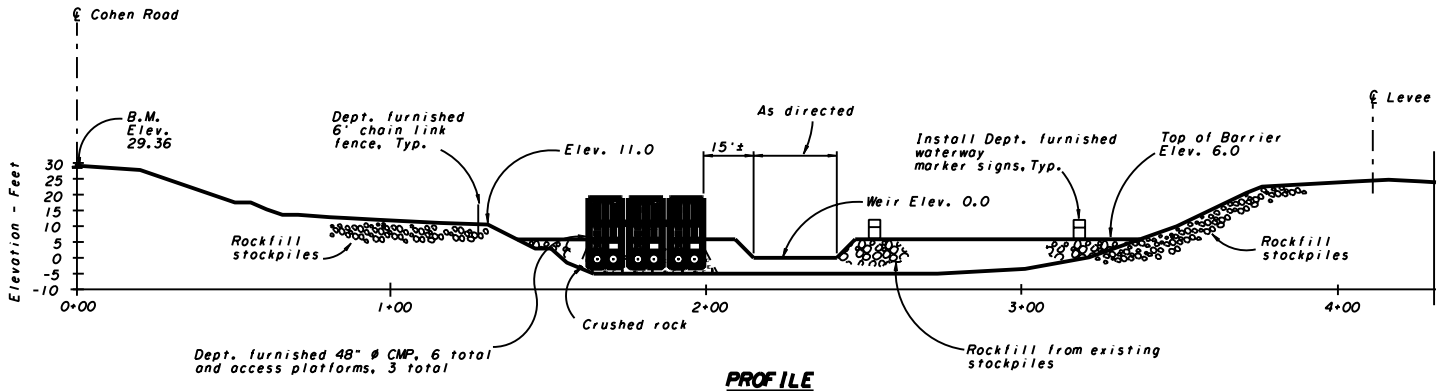
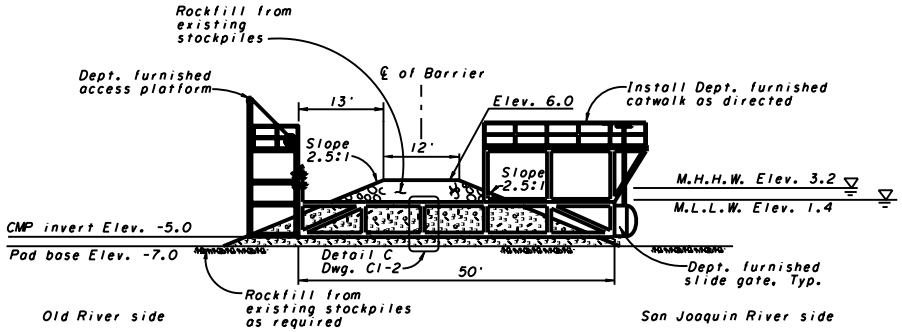


PROFILE

Scale: 1" = 20'



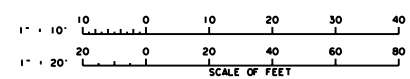
SECTION A-A

Scale: 1" = 10'

Dwg. C2-1

NOTES

1. All elevations are in feet and based on N.G.V.D.
2. Maximum water allowable flows on San Joaquin River to to ensure barrier stability: Elev. 5.5
3. Abbreviations:
   - N.G.V.D. - National Geodetic Vertical Datum of 1929
   - M.H.H.W. - Mean High High Water
   - M.L.L W. - Mean Low Low Water
   - CMP. - Corrugated Metal Pipe
   - B.M. - Bench mark



00015-6

REV.	DATE	DESCRIPTION	SUB.	APP'D

DESIGNED: J. A. Hooper, REG. C.E. 56618
CHECKED: M. Vue
DRAWN: J. A. Hooper, REG. C.E. 56618
REVIEWED: D. Rennie, REG. C.E. No. 61723
SUBMITTED: D. Rennie, REG. C.E. No. 61723

APPROVAL RECOMMENDED: T. C. LIU, CHIEF, GENERAL ENGINEERING SECTION, REG. C.E. No. 35025

APPROVED: ORIGINAL SIGNED BY T. C. LIU, ACTING CHIEF, CIVIL ENGINEERING BRANCH, REG. C.E. No. 35025 — DATE: OCT 24, 2006

REGISTERED PROFESSIONAL ENGINEER — DAVID C. RENNIE — No. 61723 — Exp. 6-30-07 — CIVIL — STATE OF CALIFORNIA

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
DIVISION OF ENGINEERING
STATE WATER FACILITIES

SOUTH DELTA INTERIM FACILITIES
TEMPORARY ROCK BARRIERS - 2007, 2008, AND 2009
OLD RIVER AT SJR (FALL)
PROFILE AND SECTION

SPEC. No. 06-26
DRAWING No. C2-2
REV.
SHEET No. 5

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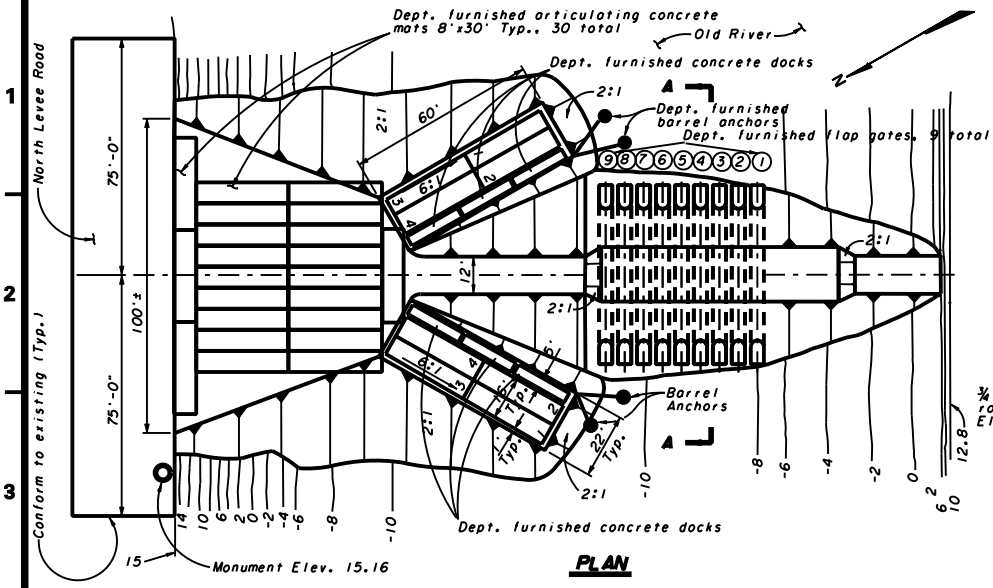
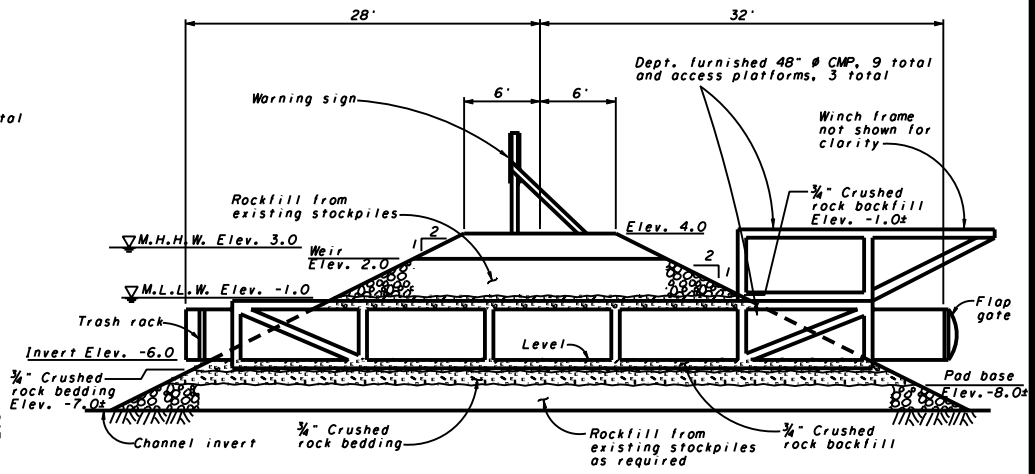


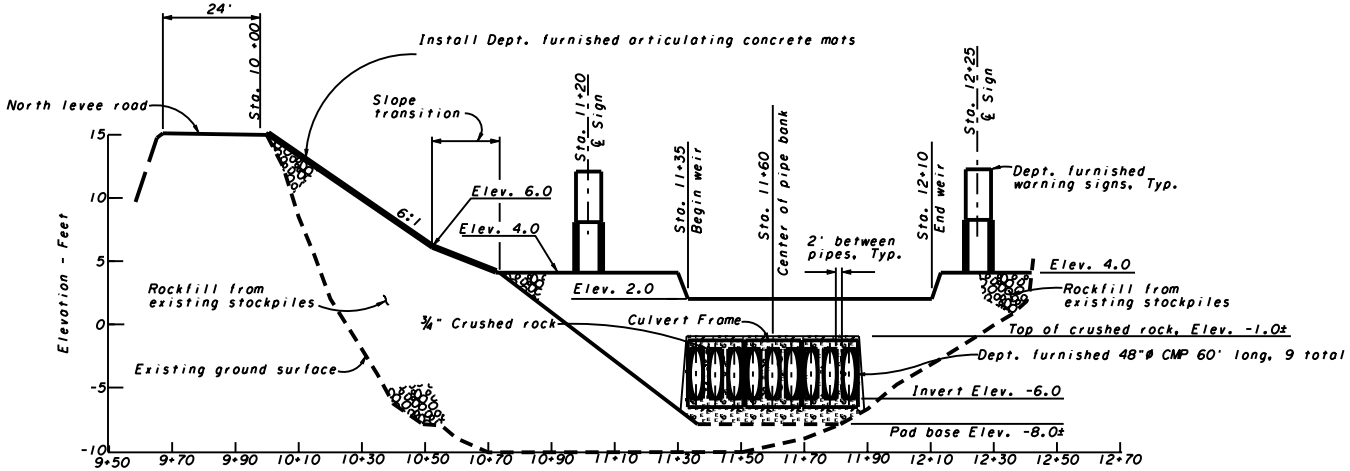
PLAN

Scale: 1" = 20'



SECTION A-A

Scale: 1" = 5'



PROFILE

Scale: Horiz. 1" = 20'
Vert. 1" = 5'

NOTES

1. All elevations are in feet and based on N.G.V.D.
2. Abbreviations:
   N.G.V.D. - National Geodetic Vertical Datum
   M.H.H.W. - Mean High High Water
   M.L.L.W. - Mean Low Low Water
3. Fall Notch 10' Wide, Elev. 0.5
   Fish & Game Requirement

1" = 5' 5 5 10 15 20
1" = 20' 20 0 20 40 60 80
SCALE OF FEET

00015-7

REV.	DATE	DESCRIPTION	SUB.	APP'D

DESIGNED: J. A. Hooper, REG. C.E. No. 56618
CHECKED: M. Vue
DRAWN: J. A. Hooper, REG. C.E. No. 56618
REVIEWED: D. Rennie, REG. C.E. No. 61723
SUBMITTED: D. Rennie, REG. C.E. No. 61723
APPROVAL RECOMMENDED: T. C. LIU, CHIEF, GENERAL ENGINEERING SECTION, REG. C.E. No. 35075
APPROVED: ORIGINAL SIGNED BY T. C. LIU, ACTING CHIEF, CIVIL ENGINEERING BRANCH, REG. C.E. No. 35075
DATE: OCT 23, 2006

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
DIVISION OF ENGINEERING
STATE WATER FACILITIES

SOUTH DELTA INTERIM FACILITIES
TEMPORARY ROCK BARRIERS - 2007, 2008, AND 2009
OLD RIVER AT DMC
PLAN, PROFILE AND SECTION

SPEC. No. 06-26
DRAWING No. C3-1
REV. SHEET No. 6

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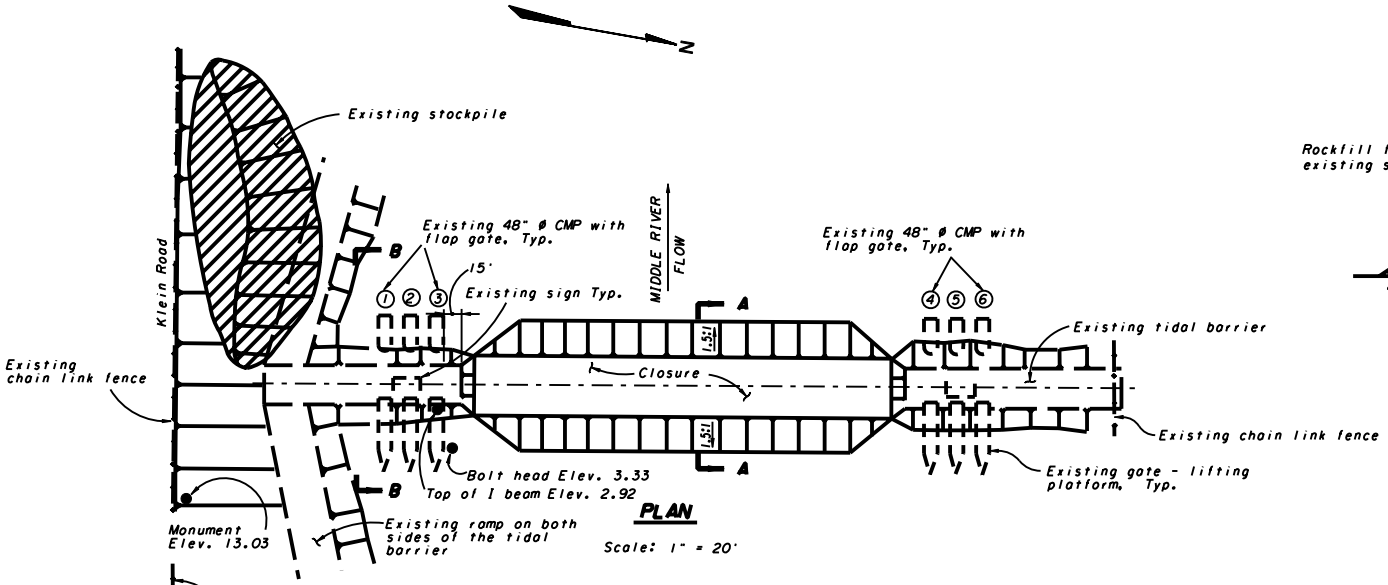
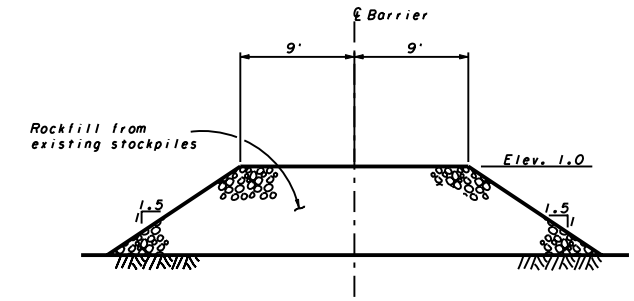


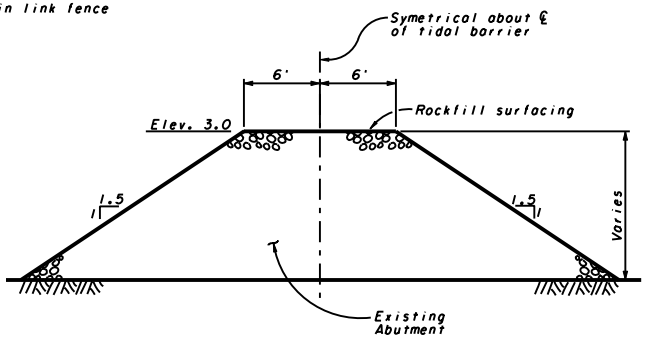
PLAN

Scale: 1" = 20'



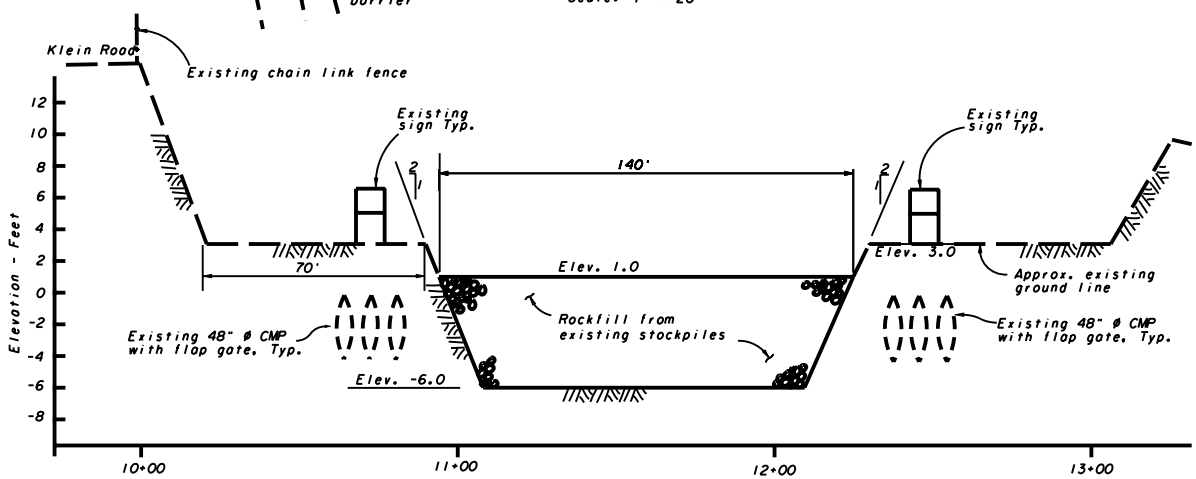
SECTION A-A

Scale: 1" = 5'



SECTION B-B

Scale: 1" = 5'



BARRIER PROFILE - FACING DOWNSTREAM

Scale: Vertical 1" = 4'
Horizontal 1" = 20'

NOTES

1. All elevations are in feet and based on N.G.V.D.
2. Abbreviations:
   N.G.V.D. - National Geodetic Vertical Datum of 1929
   M.H.H.W. - Mean High High Water
   M.L.L.W. - Mean Low Low Water
3. TBM - 3/4 " ø IP adjacent to the north edge of Klein Road approx. 14 ft. west of the Tidal Barrier (Elev. 13.82 USC&GS).
4. Fall notch - 10' wide, Elev. 0.3

00015-8

REV.	DATE	DESCRIPTION	SUB.	APP'D

DESIGNED J. A. Hooper REG. C.E. No. 56618
CHECKED M. Vue
DRAWN J. A. Hooper REG. C.E. No. 56618
REVIEWED D. Rennie REG. C.E. No. 61723
SUBMITTED: D. Rennie REG. C.E. No. 61723
APPROVAL RECOMMENDED: T. C. Liu CHIEF, GENERAL ENGINEERING SECTION, REG. C.E. No. 35025
APPROVED: ORIGINAL SIGNED BY T. C. Liu ACTING CHIEF, CIVIL ENGINEERING BRANCH, REG. C.E. No. 35025 DATE: OCT 23, 2008

REGISTERED PROFESSIONAL ENGINEER DAVID C. KENNY No. 61723 Exp. 6-30-07 CIVIL STATE OF CALIFORNIA

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
DIVISION OF ENGINEERING
STATE WATER FACILITIES

SOUTH DELTA INTERIM FACILITIES
TEMPORARY ROCK BARRIERS - 2007, 2008, AND 2009
MIDDLE RIVER
PLAN, PROFILE AND SECTION

SPEC. No. 06-26
DRAWING No. C4-1
REV.
SHEET No. 7

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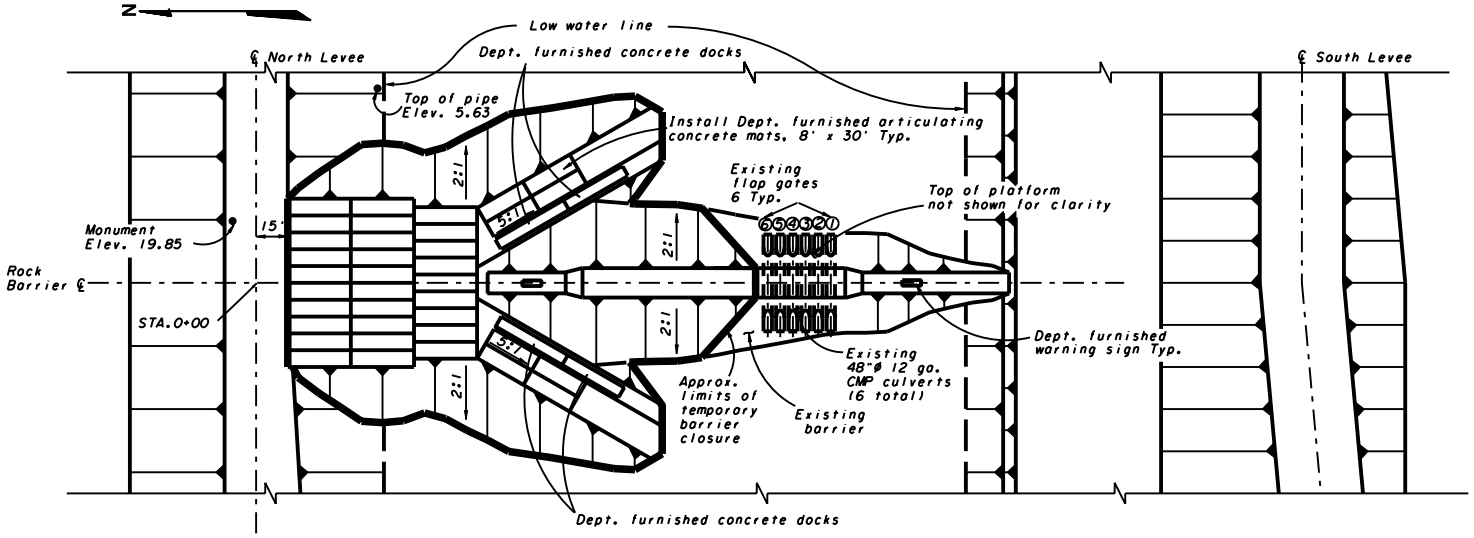
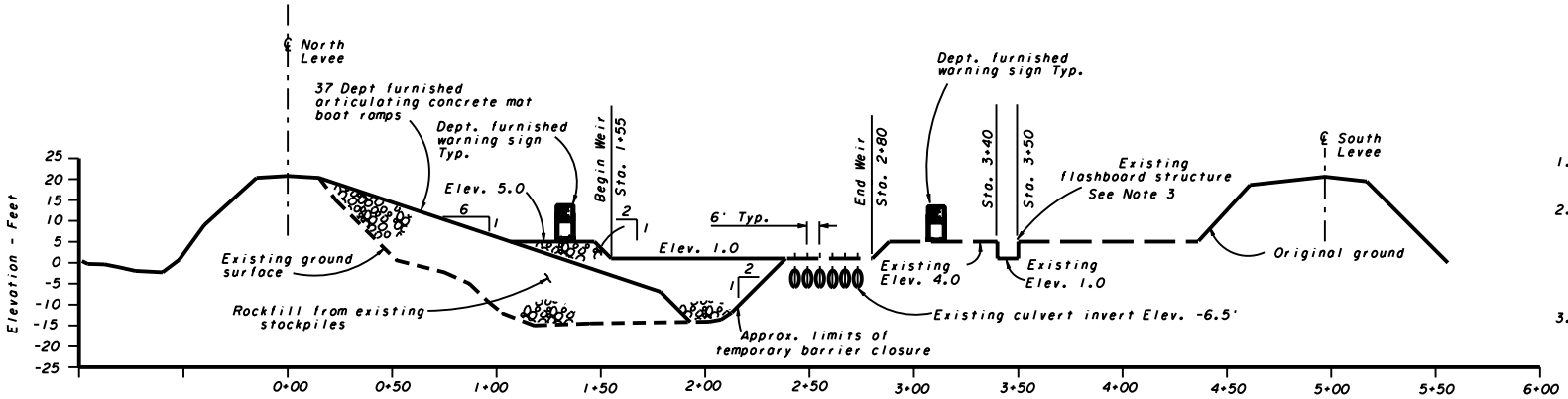


PLAN

Scale: 1" = 30'



PROFILE

Scale: Vert. 1" = 15'
Horiz. 1" = 30'

NOTES

1. All elevations are in feet and based on N.G.V.D.
2. Abbreviations:
   N.G.V.D. - National Geodetic Vertical Datum of 1929
   M.H.H.W. - Mean High High Water
   M.L.L.W. - Mean Low Low Water
   Sta. - Station
3. Fall notch - remove one flashboard each side

1" = 10' 10 0 10 20 30 40
1" = 30' 30 0 30 60 90 120
SCALE OF FEET

00015-9

REV.	DATE	DESCRIPTION	SUB.	APP'D

DESIGNED: J. A. Hooper, REG. C.E. No. 56610
CHECKED: M. Vue
DRAWN: J. A. Hooper, REG. C.E. No. 56610
REVIEWED: D. Reggie, REG. C.E. No. 61723
SUBMITTED: D. Reggie, REG. C.E. No. 61723
APPROVAL RECOMMENDED: T. C. Liu, CHIEF, GENERAL ENGINEERING SECTION, REG. C.E. No. 35025
APPROVED: ORIGINAL SIGNED BY T. C. Liu, ACTING CHIEF, CIVIL ENGINEERING BRANCH, REG. C.E. No. 35025
DATE: OCT 23, 2006

REGISTERED PROFESSIONAL ENGINEER DAVID C. REGGIE No. 61723 Exp. 6-30-07 CIVIL STATE OF CALIFORNIA

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
DIVISION OF ENGINEERING
STATE WATER FACILITIES

SOUTH DELTA INTERIM FACILITIES
TEMPORARY ROCK BARRIERS 2007, 2008, AND 2009
GRANT LINE CANAL
PLAN, PROFILE AND SECTION

SPEC. No. 06-26
DRAWING No. C5-1
REV.
SHEET No. 8

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