STATE OF CALIFORNIA

CALIFORNIA NATURAL RESOURCES AGENCY

DEPARTMENT OF WATER RESOURCES

DIVISION OF ENGINEERING

STATE WATER FACILITIES

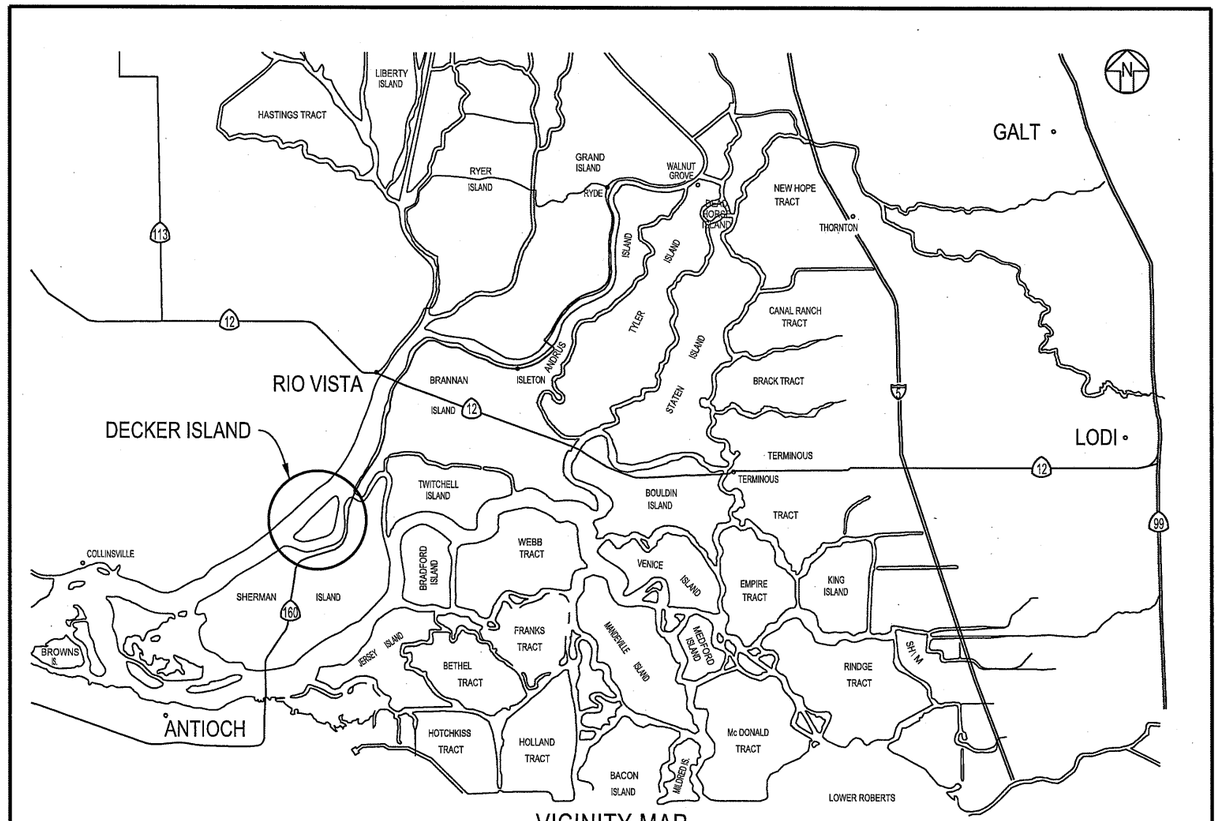
FISH RESTORATION PROGRAM

DIVISION OF ENVIRONMENTAL SERVICES

DECKER ISLAND MODIFICATIONS

SPECIFICATION NO. 17-XX

LOCATION MAP



VICINITY MAP

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

REV.	DESCRIPTION	SUB.	APP.

THINK SAFETY - ACT SAFELY

APPROVED: DATE:

CHIEF, DIVISION OF ENGINEERING. REG. C.E. No. 52771

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
17-XX	001		G-101

V= Print.Styles 11x17.PEN
6/15/2016

LIST OF DRAWINGS

SHEET NO.	DRAWING NO.	DRAWING TITLE
001	G-101	COVER SHEET AND LOCATION MAP
002	G-102	LIST OF DRAWINGS
003	G-103	ABBREVIATIONS AND SYMBOLS
004	C-101	GENERAL PLAN
005	C-102	DEGRADED AREA - FINISHED CONDITION
006	C-103	DEGRADED AREA - EXISTING CONDITION
007	C-104	DEGRADED AREA - SECTIONS
008	C-105	SOUTHERN BREACH & BERM 1 - PLAN - FINISHED CONDITION
009	C-106	SOUTHERN BREACH & BERM 1 - PLAN - EXISTING CONDITION
010	C-107	SOUTHERN BREACH - SECTIONS - SHEET 1 OF 2
011	C-108	SOUTHERN BREACH - SECTIONS - SHEET 2 OF 2
012	C-109	BERM 1 - SECTIONS
013	C-110	BERM 2 - PLAN - FINISHED CONDITION
014	C-111	BERM 2 - PLAN - EXISTING CONDITION
015	C-112	BERM 2 - SECTIONS
016	C-113	BERM 3 - PLAN - FINISHED CONDITION
017	C-114	BERM 3 - PLAN - EXISTING CONDITION
018	C-115	BERM 3 - SECTIONS
019	C-116	TURNAROUND - PLAN - FINISHED CONDITION
020	C-117	TURNAROUND - PLAN - EXISTING CONDITION
021	C-118	TURNAROUND - SECTIONS

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

REV.	DESCRIPTION	SUB.	APP.

REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

DESIGNED: DWR
CHECKED:
DRAWN: DWR
REVIEWED:
SUBMITTED:
APPROVAL RECOMMENDED: DATE:
CHIEF, PIPELINES SECTION, REG. C.E. No. 51335
APPROVED: DATE:
CHIEF, CIVIL ENGR BRANCH, REG. C.E. No. 36354

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STATE WATER FACILITIES
FISH RESTORATION PROGRAM
DIVISION OF ENVIRONMENTAL SERVICES
DECKER ISLAND MODIFICATIONS

LIST OF DRAWINGS

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
17-xx	002		G-102

VI= Print.Styles 11x17.PEN
Print.Color 11x17.tbl
6/18/2015

A

AB ---------- AGGREGATE BASE
ACST. ---------- ACOUSTIC
ADJ. ---------- ADJUSTABLE
AGG. ---------- AGGREGATE
ALUM. ---------- ALUMINUM
ALT. ---------- ALTERNATE
ARCH. ---------- ARCHITECTURAL
A.B. ---------- ANCHOR BOLT
A/C ---------- AIR CONDITIONING
A.C.I. ---------- AMERICAN CONCRETE INSTITUTE
ACWD --------- ALAMEDA COUNTY WATER DISTRICT
A.I.S.C. --------- AMERICAN INSTITUTE OF STEEL CONSTRUCTION
A.P.A. ---------- AMERICAN PLYWOOD ASSOCIATION
A.S.C.E. -------- AMERICAN SOCIETY OF CIVIL ENGINEERS
A.S.T.M. -------- AMERICAN SOCIETY FOR TESTING AND MATERIALS
ATB ---------- AT & T BROADBAND CABLE
A.W.S. ---------- AMERICAN WELDING SOCIETY
AWWA --------- AMERICAN WATER WORKS ASSOCIATION

B

B. ---------- BOTTOM (REINFORCEMENT DRAWINGS)
BOT. ---------- BOTTOM
BRG. ---------- BEARING
BK ---------- BACK
BLDG ---------- BUILDING
B.C. ---------- BEGIN CURVE
B.O. ---------- BLOWOFF
B.O.L. --------- BEGINNING OF LINE
B.P. ---------- BASE PLATE
B.V.C. --------- BEGIN VERTICAL CURVE
B.A.B. ---------- BOTTOM ALTERNATE BENT
(REINFORCEMENT DRAWINGS)

C

CB ---------- CATCH BASIN
CCP ---------- CONCRETE CYLINDER PIPE
CDB ---------- CONDUIT DUCT BANK
CEM. ---------- CEMENT
CH'KR ---------- CHECKER
CL. OR CLR. --- CLEAR
CLSM ---------- CONTROLLED LOW-STRENGTH MATERIALS
CMCL ---------- CEMENT MORTAR COATED AND LINED
COLS. ---------- COLUMNS
CONC. ---------- CONCRETE
CONT. ---------- CONTINUOUS
CSK. ---------- COUNTERSUNK
CFS. ---------- CUBIC FEET PER SECOND
CTB ---------- CEMENT TREATED BASE
C.C. ---------- CENTER TO CENTER
C.J. ---------- CONSTRUCTION JOINT
C.O. ---------- CLEAN OUT
C.I.D.H. --------- CAST IN DRILLED HOLE
C.I.P. ---------- CAST IRON PIPE
C.M.P. ---------- CORRUGATED METAL PIPE
C.A.V. ---------- COMBINATION AIR AND VACUUM VALVE
C.J.P. ---------- COMPLETE JOINT PENETRATION
C.T.E. ---------- COAL TAR ENAMEL
C.T.X. ---------- COAL TAR EPOXY
CU. YDS. -------- CUBIC YARDS

D

DET. ---------- DETAIL
D OR DIA. -------- DIAMETER
DIM. ---------- DIMENSION
DN. ---------- DOWN
DWG. ---------- DRAWING
D.F. ---------- DOUGLAS FIR
D.I. ---------- DROP INLET
DWR ---------- DEPARTMENT OF WATER RESOURCES
DVBPL ---------- DEL VALLE BRANCH PIPELINE

E

E OR ELECT. ----- ELECTRICAL
EA. ---------- EACH
ELEV. OR EL. ---- ELEVATION
EQ. ---------- EQUAL
EQUIP. --------- EQUIPMENT
EQUIV. --------- EQUIVALENT
EXIST. --------- EXISTING
EXP. ---------- EXPANSION
EXP. JT. -------- EXPANSION JOINT
E.C. ---------- END CURVE
E.F. ---------- EACH FACE (REINFORCEMENT DRAWINGS)
E.F.E.W. -------- EACH FACE EACH WAY
(REINFORCEMENT DRAWINGS)
E.O.L. --------- END OF LINE
E.P. ---------- EDGE OF PAVEMENT
EQ ---------- EQUATION
E.V.C. --------- END VERTICAL CURVE
E.W. ---------- EACH WAY (REINFORCEMENT DRAWINGS)
ELL ---------- ELBOW

F

FIN. ---------- FINISHED
FL. OR FLR. ----- FLOOR
FT. ---------- FEET
F.B. ---------- FLAT BAR
F.D. ---------- FLOOR DRAIN
F.G. ---------- FINISHED GRADE
F.H. ---------- FLAT HEAD
F.H.M.S. -------- FLAT HEAD MACHINE SCREW
FOC ---------- FIBER OPTIC CABLE

G

G ---------- GAS
GA. ---------- GAGE
GALV. ---------- GALVANIZED
G.D. ---------- GUTTER DRAIN
GM ---------- GAS METER
GRD ---------- GROUND
GTE ---------- GENERAL TELEPHONE

H

HD. ---------- HEAD
HEX. ---------- HEXAGON
HMA ---------- HOT MIX ASPHALT
HOR. ---------- HORIZONTAL
HR. ---------- HOUR
HT. ---------- HEIGHT
H.R. ---------- HANDRAIL
H.P. ---------- HIGH POINT
HPU ---------- HYDRAULIC POWER UNIT
HVAC ---------- HEATING, VENTILATION
& AIR CONDITIONING
H.C.B. --------- HOLLOW CONCRETE BLOCK
HSE ---------- HIGH SOLIDS EPOXY
HWY ---------- HIGHWAY

I

IN. ---------- INCHES
INC. ---------- INCLUDING
INV. ---------- INVERT
I ---------- MOMENT OF INERTIA
I.D. ---------- INSIDE DIAMETER

J

JT. ---------- JOINT

L

LBS. ---------- POUNDS
LT. ---------- LEFT OR LIGHT
L OR LGTH. ----- LENGTH
L.P. ---------- LOW POINT
LN ---------- LANE
LTB ---------- LIME TREATED BASE
LWE ---------- LOW WIRE ELEVATION

M

MATL. ---------- MATERIAL
MAX. ---------- MAXIMUM
MCC ---------- MOTOR CONTROL CENTER
MECH. ---------- MECHANICAL
MET. ---------- METAL
MFR. ---------- MANUFACTURER
MIN. ---------- MINIMUM
M.B.G.R. -------- METAL BEAM GUARD RAILING
M.H. ---------- MANHOLE
M.T. ---------- METAL THRESHOLD
MP ---------- MILE POST

N

NO. ---------- NUMBER
NIC ---------- NOT IN CONTRACT
N.F. ---------- NEAR FACE
NTS ---------- NOT TO SCALE
Nc ---------- NATIONAL COARSE

O

OPG. ---------- OPENING
OPP. ---------- OPPOSITE
O.C. ---------- ON CENTER
O.D. ---------- OUTSIDE DIAMETER
O.G. ---------- ORIGINAL GROUND
O.H. ---------- OVERHEAD WIRE
O-O ---------- OUT - OUT

P

PLYWD. --------- PLYWOOD
PSF ---------- POUNDS PER SQUARE FOOT
PSI ---------- POUNDS PER SQUARE INCH
PT. ---------- POINT
P.I. ---------- POINT OF INTERSECTION

P

P.O.T. --------- POINT ON TANGENT
PVC ---------- POLYVINYL CHLORIDE
PVMT ---------- PAVEMENT
PP ---------- POWER POLE

R

R ---------- RADIUS OR RISER
RAD. ---------- RADIUS
RD. ---------- ROAD
REF. ---------- REFERENCE
REINF. --------- REINFORCEMENT
REQ'D. --------- REQUIRED
RM. ---------- ROOM
RT. ---------- RIGHT
RWD. ---------- REDWOOD
R/W ---------- RIGHT OF WAY
RCCP ---------- REINFORCED CONCRETE CYLINDER PIPE
RCP ---------- REINFORCED CONCRETE PIPE
RR ---------- RAILROAD

S

S ---------- SECTION MODULUS
S= ---------- SLOPE

SCH. ---------- SCHEDULE
SHT. ---------- SHEET
SP. ---------- SPACES
SPEC'S --------- SPECIFICATIONS
SQ. ---------- SQUARE
SQ. YDS. ------- SQUARE YARDS
S.STL OR S.S. --- STAINLESS STEEL
STA. ---------- STATION
STD. ---------- STANDARD
STIFF. --------- STIFFENER
STL. ---------- STEEL
STRUCT. -------- STRUCTURAL
SYMM. ---------- SYMMETRICAL
SMH ---------- SEWER MANHOLE
SS ---------- SANITARY SEWER

T

T ---------- TANGENT OR TOP (REINFORCEMENT DRAWINGS)
TO ----------TURNOUT
TRD. ---------- TREAD
TYP. ---------- TYPICAL
T & B ---------- TOP AND BOTTOM (REINFORCEMENT DRAWINGS)
T.D.H. --------- TOTAL DYNAMIC HEAD
TB ---------- TRAFFIC BOX
TEL ---------- TELEPHONE
TP ---------- TELEPHONE POLE
TV ---------- CABLE TV

U

USC & GS ------- UNITED STATES COAST AND GEODETIC SURVEY
UG ---------- UNDERGROUND

V

VERT. ---------- VERTICAL
V.C. ---------- VERTICAL CURVE
V.P.I. --------- VERTICAL POINT OF INTERSECTION

W

W ---------- WIDTH
WTP----------WATER TREATMENT PLANT
W/ ---------- WITH
W.S. ---------- WATER SURFACE
W.W.F. --------- WELDED WIRE FABRIC
W.P. ---------- WORKING POINT
W.S.P. --------- WELDED STEEL PIPE

SYMBOLS

@ ---------- AT
℄ ---------- CENTERLINE
∆ ---------- DEFLECTION ANGLE
° ---------- DEGREE
' ---------- MINUTE OR FEET
" ---------- SECONDS OR INCHES
) ---------- ROUND, DIAMETER
⧄ ---------- SQUARE
---------- NUMBER OR POUND
d. ---------- PENNYWEIGHT
(---------- PLATE
(1)
(A) ---------- GRID LINES

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

REV.	DESCRIPTION	SUB.	APP.
	AS BUILT	JRB 6/15/15	CDD

REGISTERED PROFESSIONAL ENGINEER VU Q. THAI No. 60133 Exp. 6-30-14 CIVIL STATE OF CALIFORNIA

DESIGNED: KHOI NGUYEN REG. C.E. No. 76572
CHECKED: DAGNACHEW FANTA REG. C.E. No. 72540
DRAWN: KHOIL NGUYEN REG. C.E. No. 76572
REVIEWED: VU Q. THAI REG. C.E. No. 60133
SUBMITTED: VU Q. THAI REG. C.E. No. 60133
APPROVAL RECOMMENDED: DATE:
CHIEF, PIPELINES SECTION, REG. C.E. No. 51335
APPROVED: DATE:
CHIEF, CIVIL ENGR. BRANCH, REG. C.E. No. 34327

THINK SAFETY - ACT SAFELY

STATE WATER FACILITIES
FISH RESTORATION PROGRAM
DIVISION OF ENVIRONMENTAL SERVICES
DECKER ISLAND MODIFICATIONS

ABBREVIATIONS AND SYMBOLS

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
16-XX	003		G-103

VI= Print.Styles 11x17.PEN
6/15/2016

PLAN
NTS

NOTE

1. SPOIL AREA SHALL BE LIMITED TO GROUND ELEVATION ABOVE 6.9'.

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

REV.	DESCRIPTION	SUB.	APP.

REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
REG. STAMP

DESIGNED: CHECKED:
DRAWN: REVIEWED:
SUBMITTED:
APPROVAL RECOMMENDED: DATE:
APPROVED: DATE:

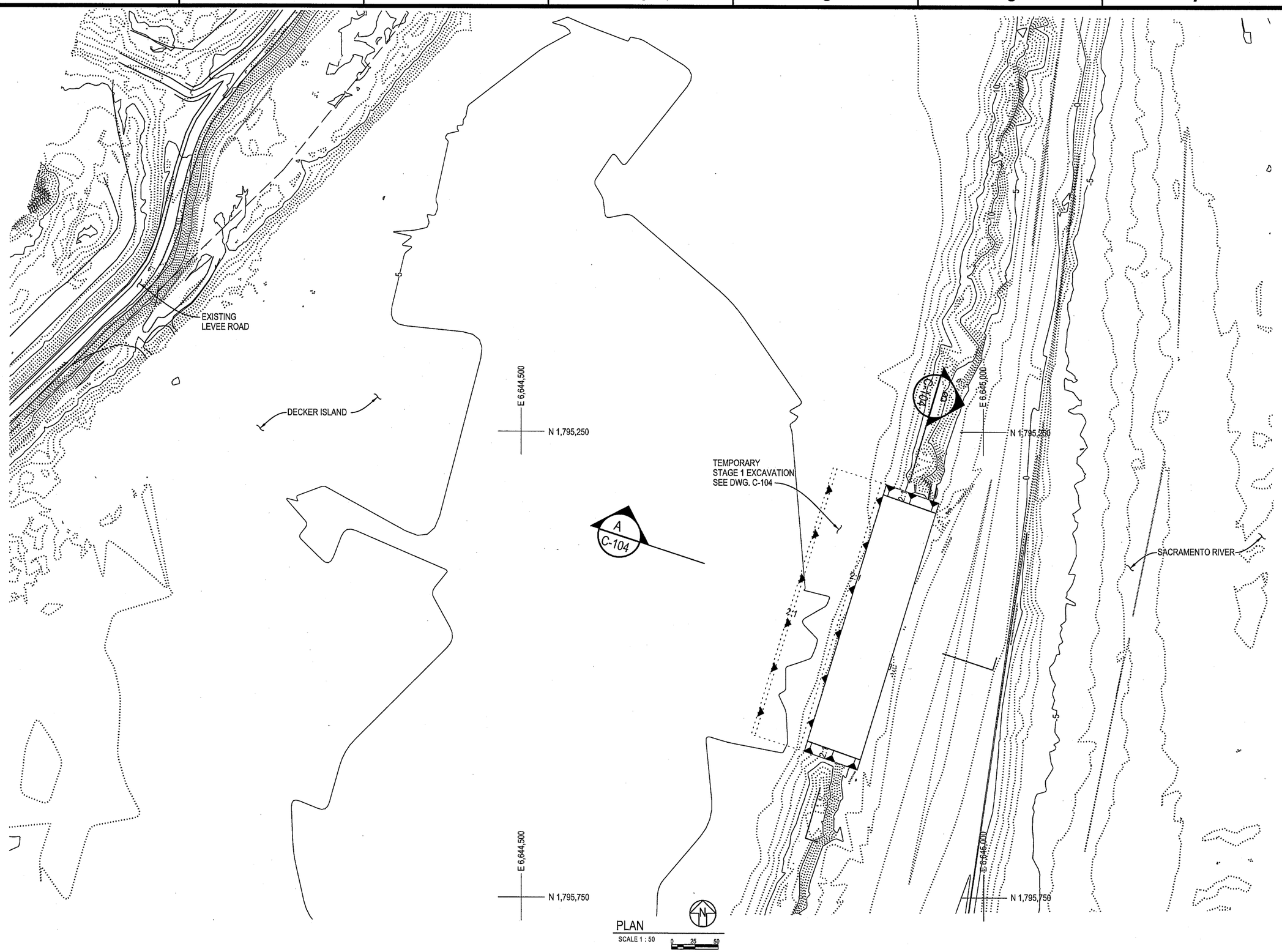
THINK SAFETY - ACT SAFELY

STATE WATER FACILITIES
FISH RESTORATION PROGRAM
DIVISION OF ENVIRONMENTAL SERVICES
DECKER ISLAND MODIFICATIONS

GENERAL PLAN

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
XX-XX	004	X	C-101

VI= Pre-2012.Plot.11x17.PEN
6/17/2016



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

REV.	DESCRIPTION	SUB.	APP.

REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

DESIGNED: CHECKED:
DRAWN: REVIEWED:
SUBMITTED:
APPROVAL RECOMMENDED: DATE:
APPROVED: DATE:

THINK SAFETY - ACT SAFELY

STATE WATER FACILITIES
FISH RESTORATION PROGRAM
DIVISION OF ENVIRONMENTAL SERVICES
DECKER ISLAND MODIFICATIONS

DEGRADED AREA
PLAN
FINISHED CONDITION

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
XX-XX	005	X	C-102

VI= Print.Styles 11x17.PEN
Print.Color 11x17.tbl
6/15/2016

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

REV.	DESCRIPTION	SUB.	APP.

REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

DESIGNED: CHECKED:
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SUBMITTED:
APPROVAL RECOMMENDED: DATE:
APPROVED: DATE:

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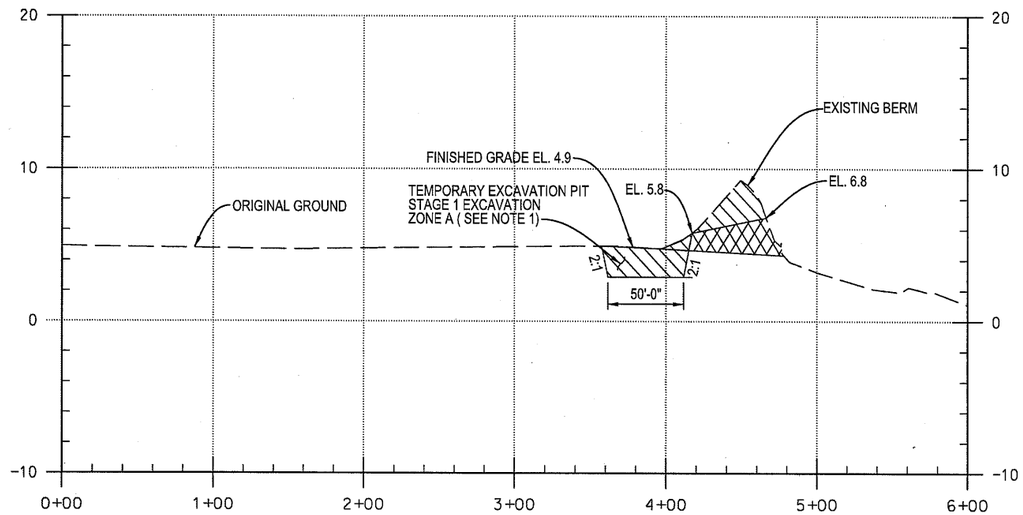
STATE WATER FACILITIES
FISH RESTORATION PROGRAM
DIVISION OF ENVIRONMENTAL SERVICES
DECKER ISLAND MODIFICATIONS

DEGRADED AREA PLAN
EXISTING CONDITION

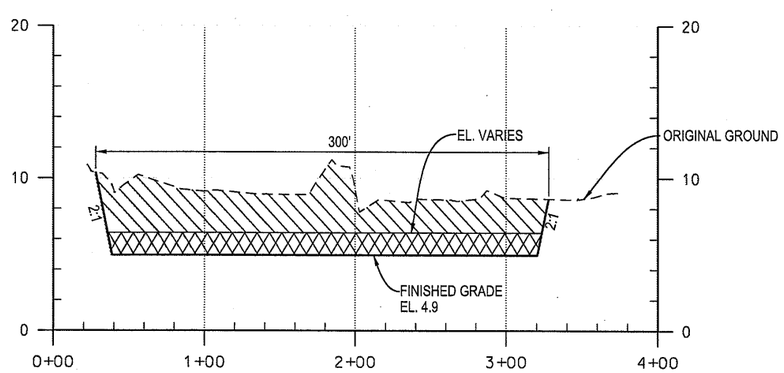
SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
XX-XX	006	X	C-103

VI= Print.Styles 11x17.PEN
Print.Color 11x17.tbl
6/15/2016

STAGE 1 EXCAVATION	2000 CY
STAGE 2 EXCAVATION	1144 CY
TOTAL EXCAVATION	3144 CY



A SECTION
DWG. C-102
HORIZ. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'



B SECTION
DWG. C-102
HORIZ. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'

LEGEND

STAGE 1 EXCAVATION

STAGE 2 EXCAVATION

NOTE

1. STAGE 2 EXCAVATION MATERIAL SHALL BE BACKFILLED IN ZONE A.

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REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

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STATE WATER FACILITIES
FISH RESTORATION PROGRAM
DIVISION OF ENVIRONMENTAL SERVICES
DECKER ISLAND MODIFICATIONS

DEGRADED AREA SECTIONS

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
XX-XX	007	X	C-104

V:= Print.Styles 11x17.PEN
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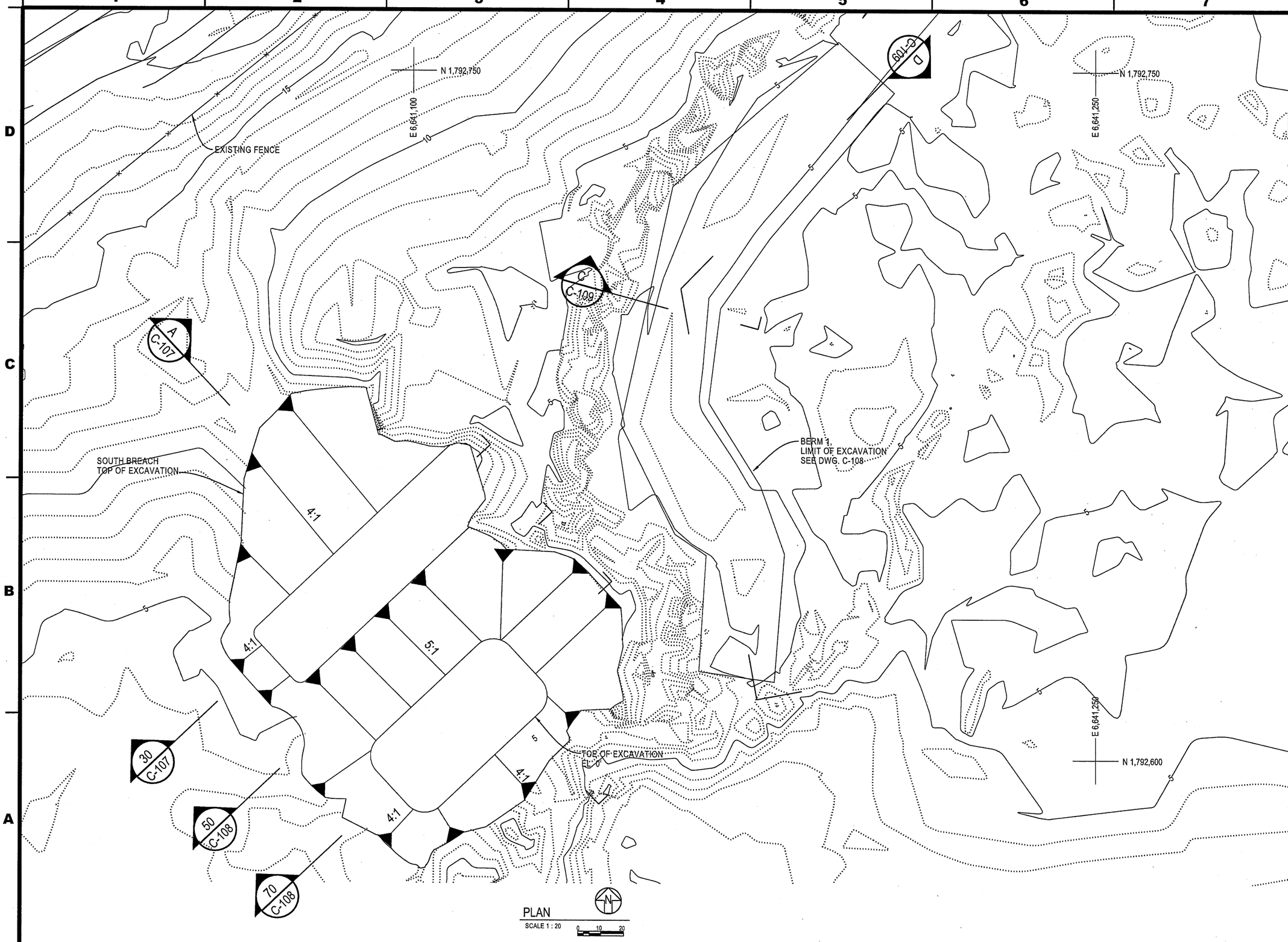
6/15/2016



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

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REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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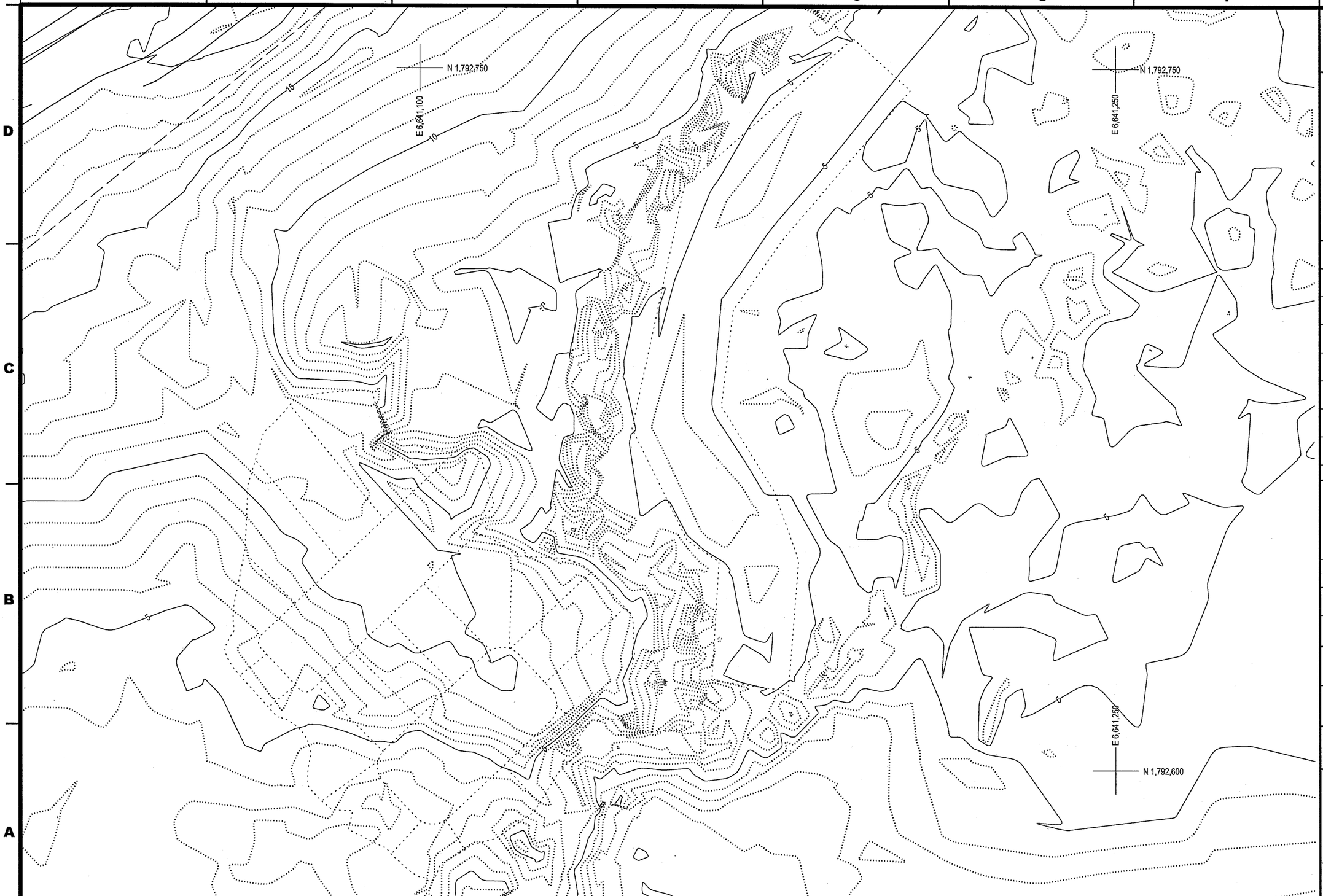
STATE WATER FACILITIES
FISH RESTORATION PROGRAM
DIVISION OF ENVIRONMENTAL SERVICES
DECKER ISLAND MODIFICATIONS

SOUTHERN BREACH
& BERM 1
PLAN
FINISHED CONDITION

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
XX-XX	008	X	C-105

VI= PrintStyles 11x17.PEN
PrintColor 11x17.tbl
8/18/2016



PLAN
SCALE 1 : 20

STATE OF CALIFORNIA
CALIFORNIA NATURAL RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
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REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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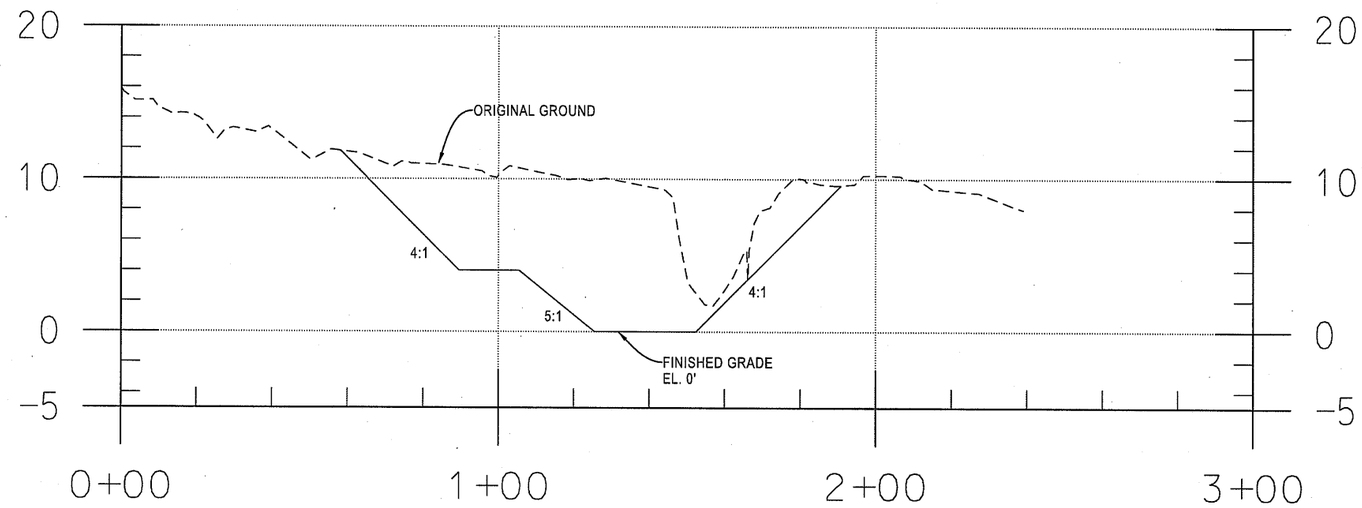
STATE WATER FACILITIES
FISH RESTORATION PROGRAM
DIVISION OF ENVIRONMENTAL SERVICES
DECKER ISLAND MODIFICATIONS

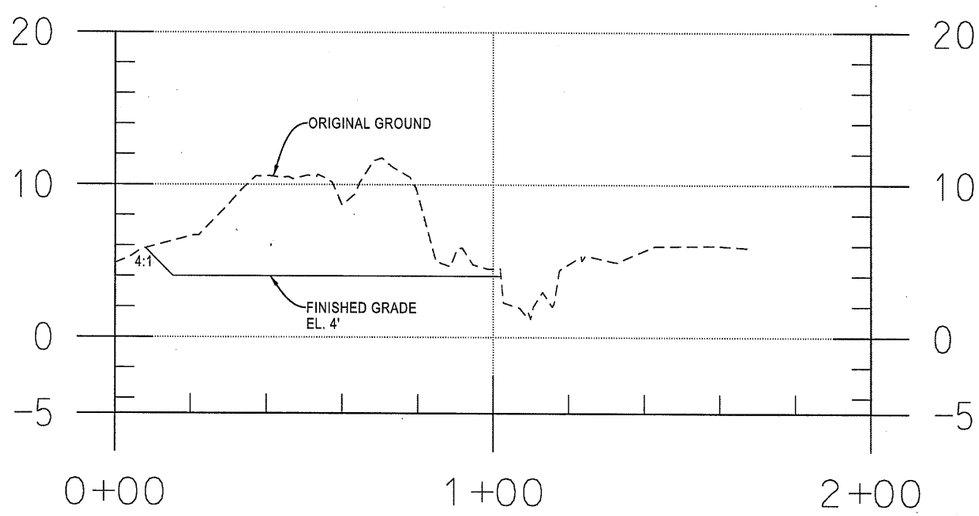
SOUTHERN BREACH
& BERM 1
PLAN
EXISTING CONDITION

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
XX-XX	009	X	C-106

VI= Print.Styles 11x17.PEN
Print.Color 11x17.tbl
8/15/2016



A SECTION
DWG. C-105
HORIZ. SCALE: 1:20
VERT. SCALE: 1:5



30 SECTION
DWG. C-105
HORIZ. SCALE: 1:20
VERT. SCALE: 1:5

STATE OF CALIFORNIA
CALIFORNIA NATURAL RESOURCES AGENCY
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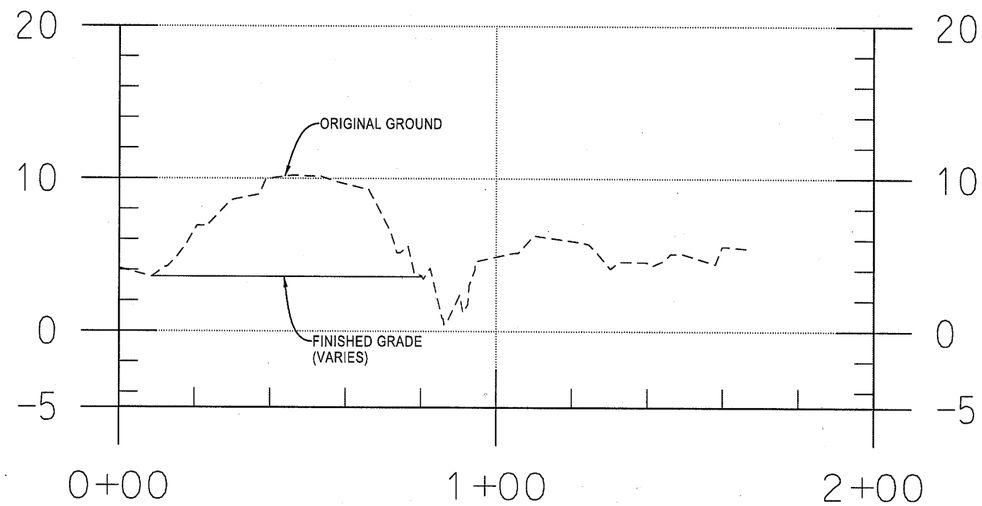
STATE WATER FACILITIES
FISH RESTORATION PROGRAM
DIVISION OF ENVIRONMENTAL SERVICES
DECKER ISLAND MODIFICATIONS

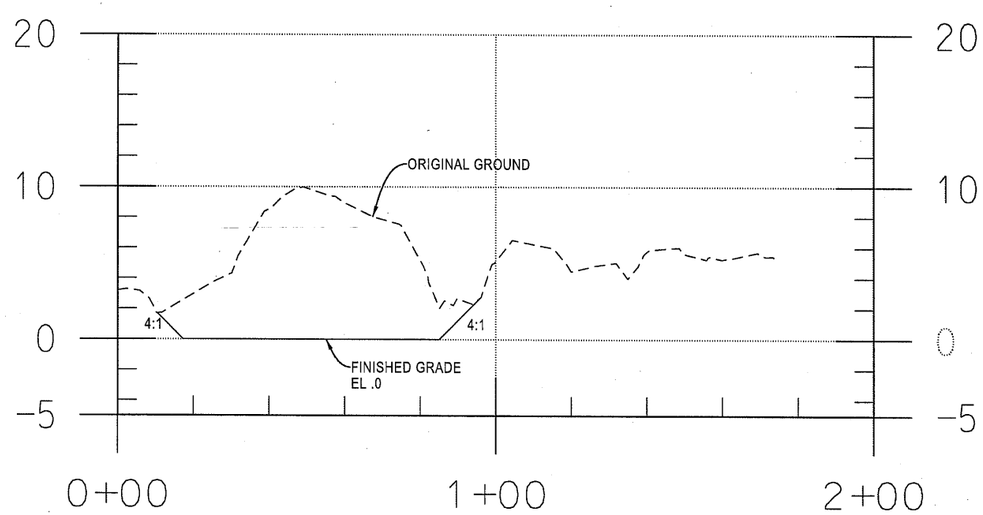
SOUTHERN BREACH
SECTIONS
SHEET 1 OF 2

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
XX-XX	010	X	C-107

VI= Print.Styles 11x17.PEN
Print.Color 11x17.tbl
8/15/2016



50 SECTION
DWG. C-105
HORIZ. SCALE: 1:20
VERT. SCALE: 1:5



70 SECTION
DWG. C-105
HORIZ. SCALE: 1:20
VERT. SCALE: 1:5

STATE OF CALIFORNIA
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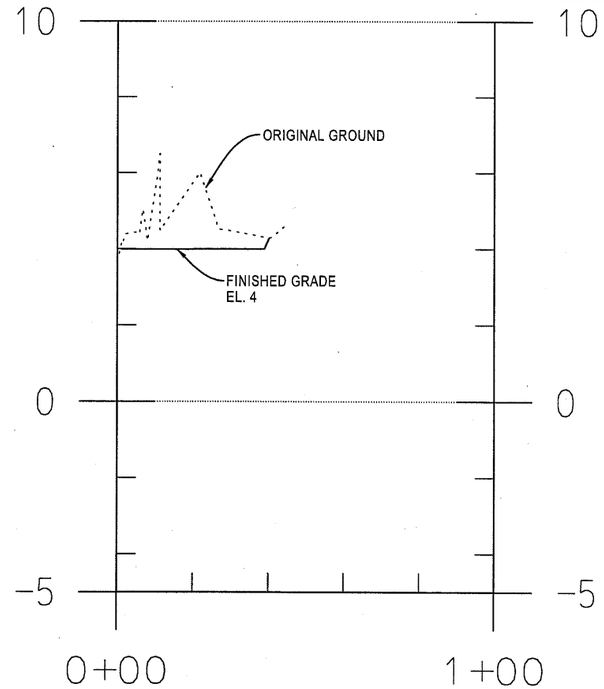
STATE WATER FACILITIES
FISH RESTORATION PROGRAM
DIVISION OF ENVIRONMENTAL SERVICES
DECKER ISLAND MODIFICATIONS

SOUTHERN BREACH SECTIONS

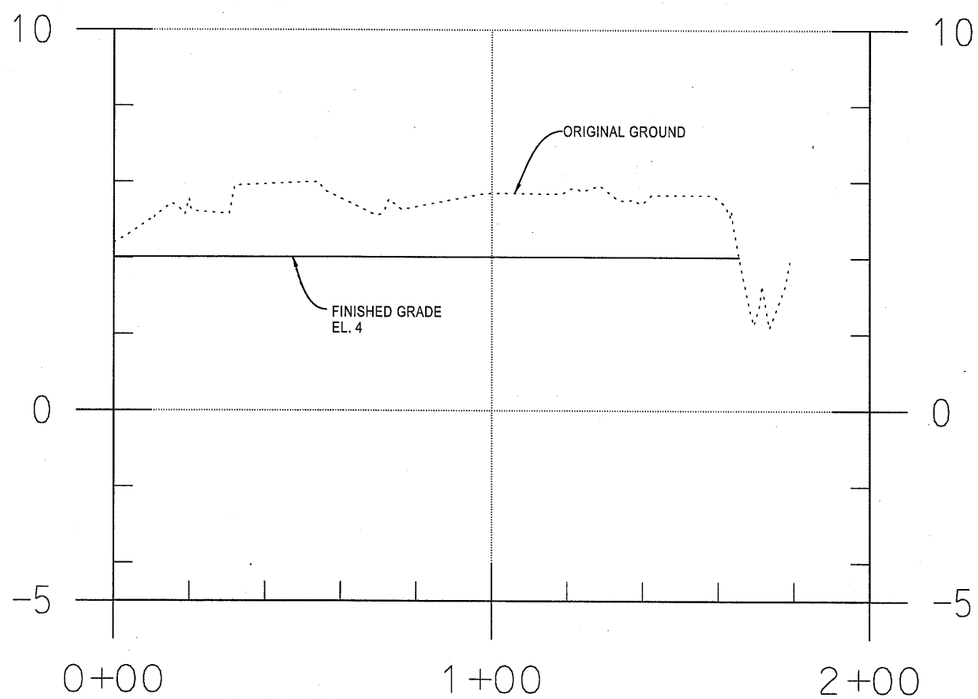
SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
XX-XX	011	X	C-108

VI= Print.Styles 11x17.PEN
Print.Color 11x17.tbl
8/15/2012



SECTION C-C

DWG. C-105
HORIZ. SCALE: 1:50
VERT. SCALE: 1:5



SECTION D-D

DWG. C-105
HORIZ. SCALE: 1:50
VERT. SCALE: 1:5

STATE OF CALIFORNIA
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DRAWN: REVIEWED:
SUBMITTED:
APPROVAL RECOMMENDED: DATE:
APPROVED: DATE:

THINK SAFETY - ACT SAFELY

STATE WATER FACILITIES
FISH RESTORATION PROGRAM
DIVISION OF ENVIRONMENTAL SERVICES
DECKER ISLAND MODIFICATIONS

BERM 1
SECTIONS

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
XX-XX	012	X	C-109

VI= Print.Styles 11x17.PEN
Print.Color 11x17.tbl

PLAN - BERM 2

SCALE 1 : 20

0 10 20

NOTE

1. CONTRACTOR SHALL REMOVE & REPLACE FENCE AS FIELD DIRECTED.

STATE OF CALIFORNIA
CALIFORNIA NATURAL RESOURCES AGENCY
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DIVISION OF ENGINEERING
STATE WATER FACILITIES

REV.	DESCRIPTION	SUB.	APP.

REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

DESIGNED: CHECKED:

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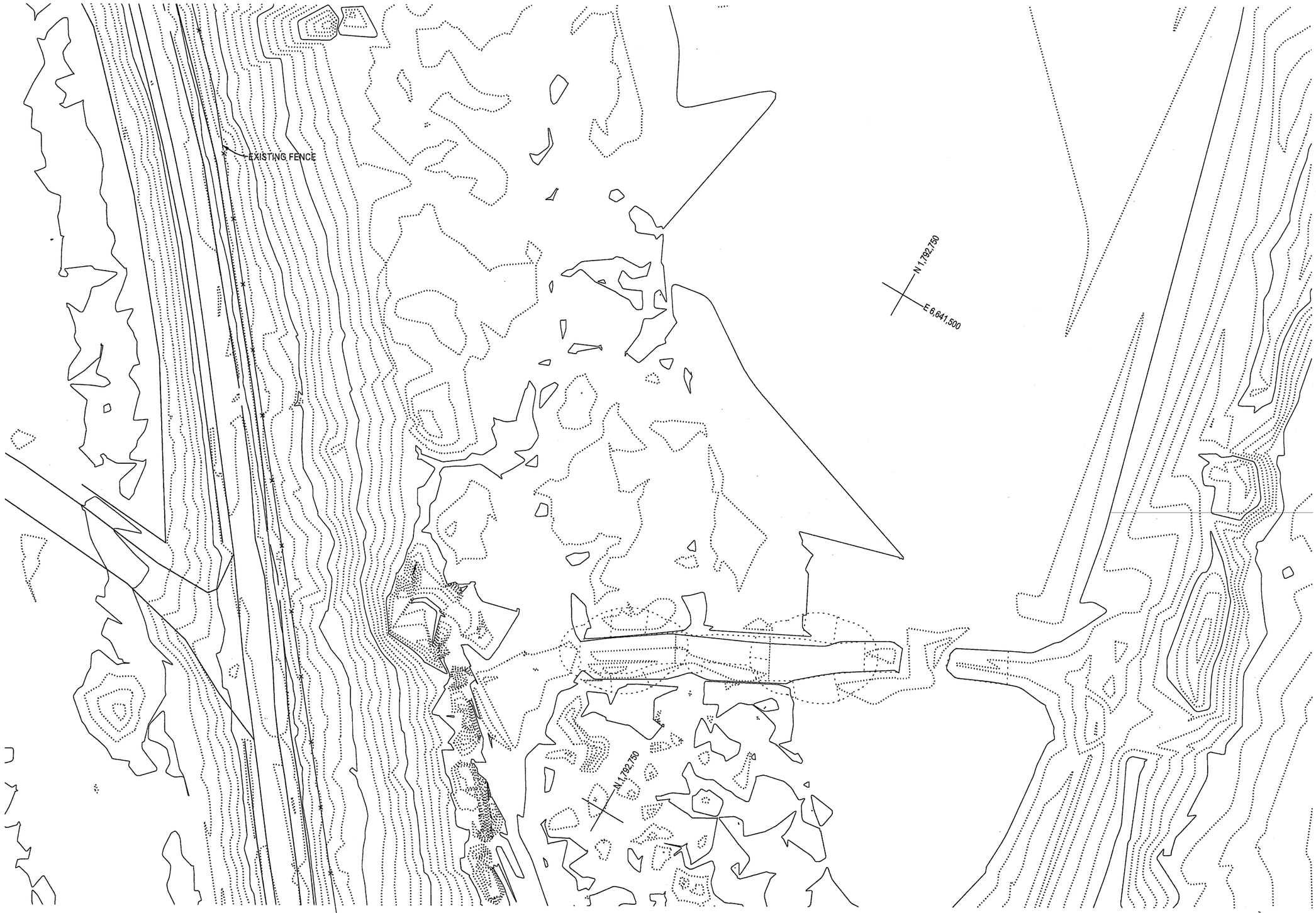
THINK SAFETY - ACT SAFELY

STATE WATER FACILITIES
FISH RESTORATION PROGRAM
DIVISION OF ENVIRONMENTAL SERVICES
DECKER ISLAND MODIFICATIONS

BERM 2
PLAN
FINISHED CONDITON

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
XX-XX	013	X	C-110

VI= Print.Styles 11x17.PEN
Print.Color 11x17.tbl
6/16/2016



PLAN - BERM 2

SCALE 1 : 20

0 10 20

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

REV.	DESCRIPTION	SUB.	APP.

REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

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THINK SAFETY - ACT SAFELY

STATE WATER FACILITIES

FISH RESTORATION PROGRAM

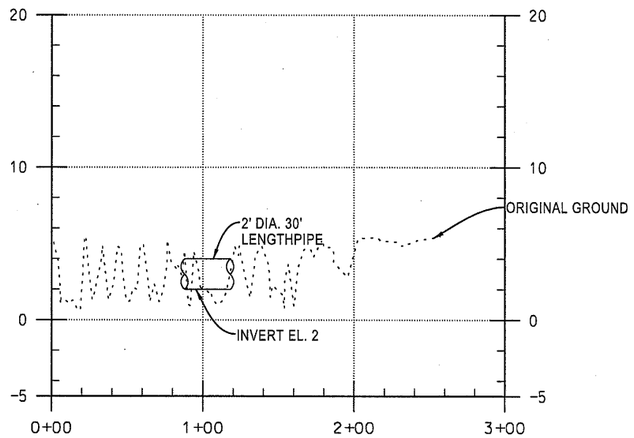
DIVISION OF ENVIRONMENTAL SERVICES

DECKER ISLAND MODIFICATIONS

BERM 2
PLAN
EXISTING CONDITON

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
XX-XX	014	X	C-111

V= Print.Styles 11x17.PEN
Print.Color 11x17.tbl
6/16/2016

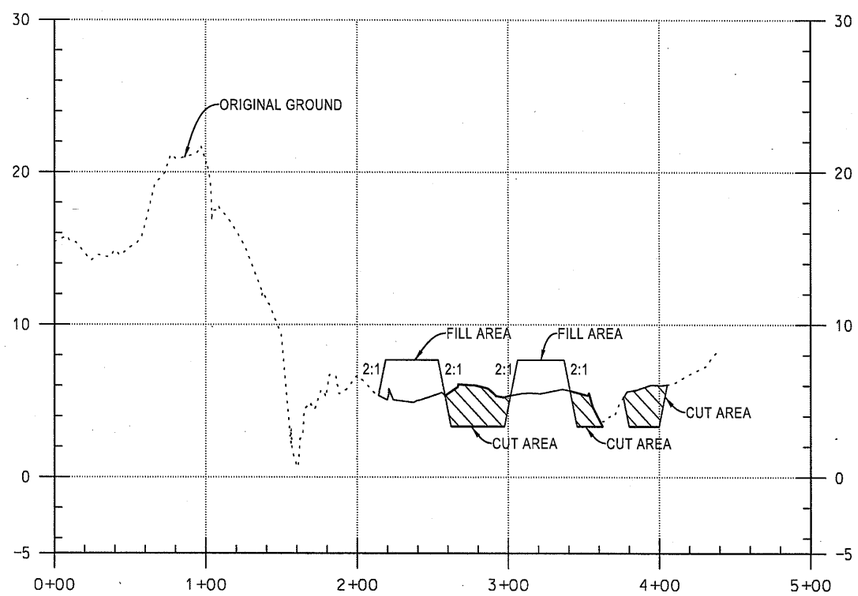


SECTION A-A

DWG. C-110

HORIZ. SCALE: 1:50 (0 25 50)

VERT. SCALE: 1:5 (0 5)



SECTION B-B

DWG. C-110

HORIZ. SCALE: 1:50 (0 25 50)

VERT. SCALE: 1:5 (0 5)

CUT AREA

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

REV.	DESCRIPTION	SUB.	APP.

REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

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THINK SAFETY - ACT SAFELY

STATE WATER FACILITIES

FISH RESTORATION PROGRAM

DIVISION OF ENVIRONMENTAL SERVICES

DECKER ISLAND MODIFICATIONS

BERM 2
SECTIONS

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
XX-XX	015	X	C-112

VI= Print.Styles 11x17.PEN
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6/16/2016

PLAN - BERM 3

SCALE 1 : 20

0 10 20

NOTE

1. CONTRACTOR SHALL REMOVE & REPLACE FENCE AS FIELD DIRECTED.

STATE OF CALIFORNIA
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REV.	DESCRIPTION	SUB.	APP.

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DESIGNED: CHECKED:

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SUBMITTED:

APPROVAL RECOMMENDED: DATE:

APPROVED: DATE:

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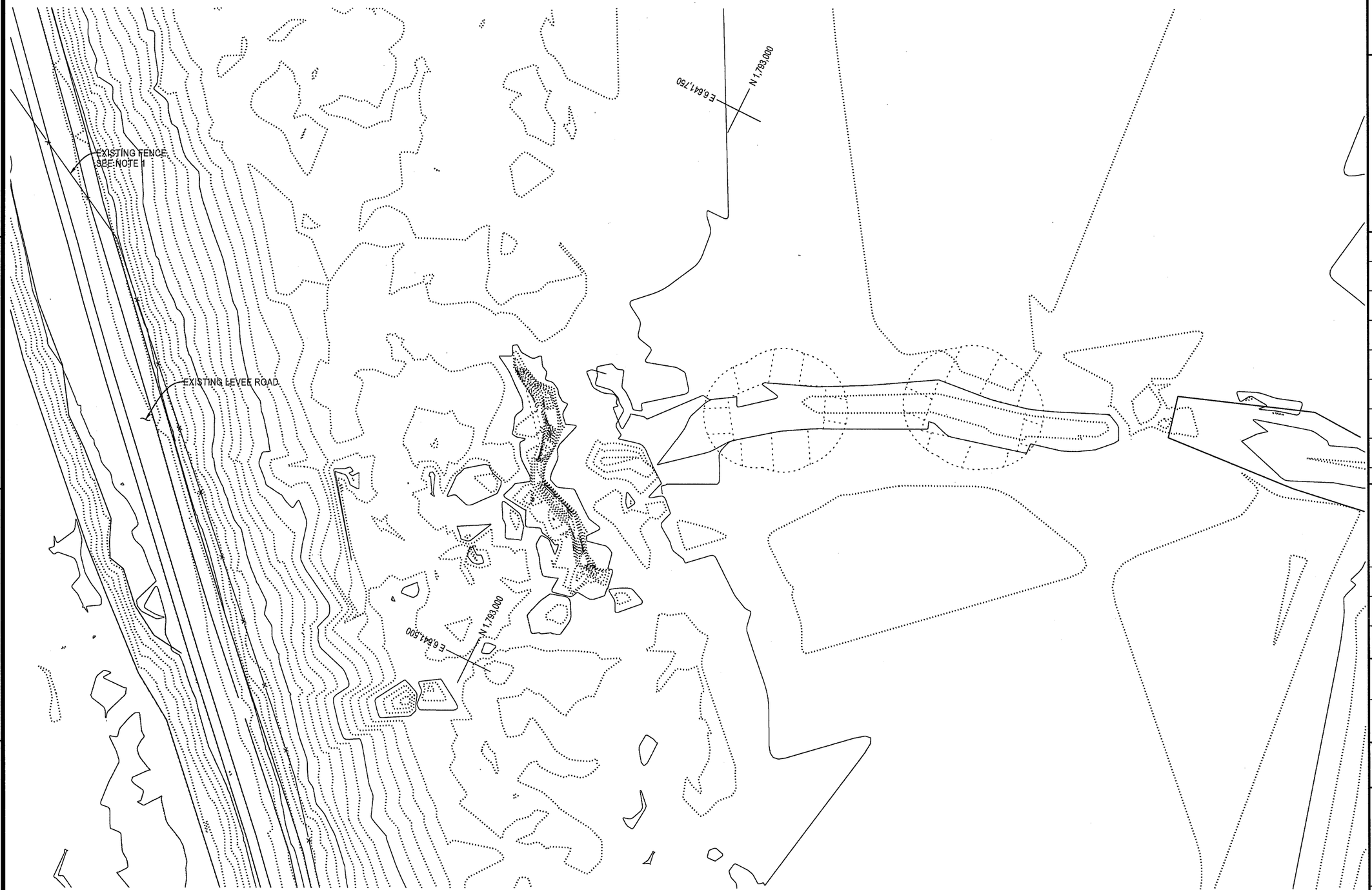
STATE WATER FACILITIES
FISH RESTORATION PROGRAM
DIVISION OF ENVIRONMENTAL SERVICES
DECKER ISLAND MODIFICATIONS

BERM 3
PLAN
FINISHED CONDITION

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
XX-XX	016	X	C-113

VI= Print.Styles 11x17.PEN
Print.Color 11x17.tbl
6/16/2016



PLAN - BERM 3

SCALE 1 : 20

0 10 20

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

REV.	DESCRIPTION	SUB.	APP.

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APPROVED: DATE:

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STATE WATER FACILITIES
FISH RESTORATION PROGRAM
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DECKER ISLAND MODIFICATIONS

BERM 3
PLAN
EXISTING CONDITION

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
XX-XX	017	X	C-114

VI= Print.Styles 11x17.PEN
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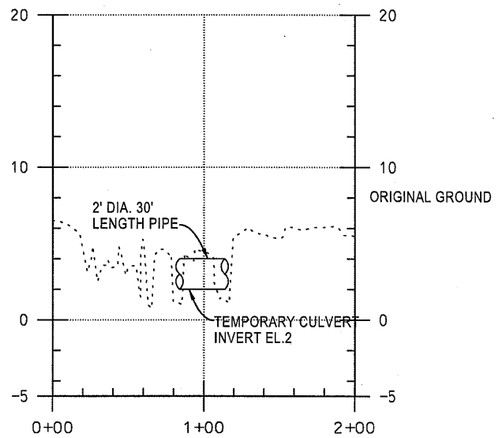
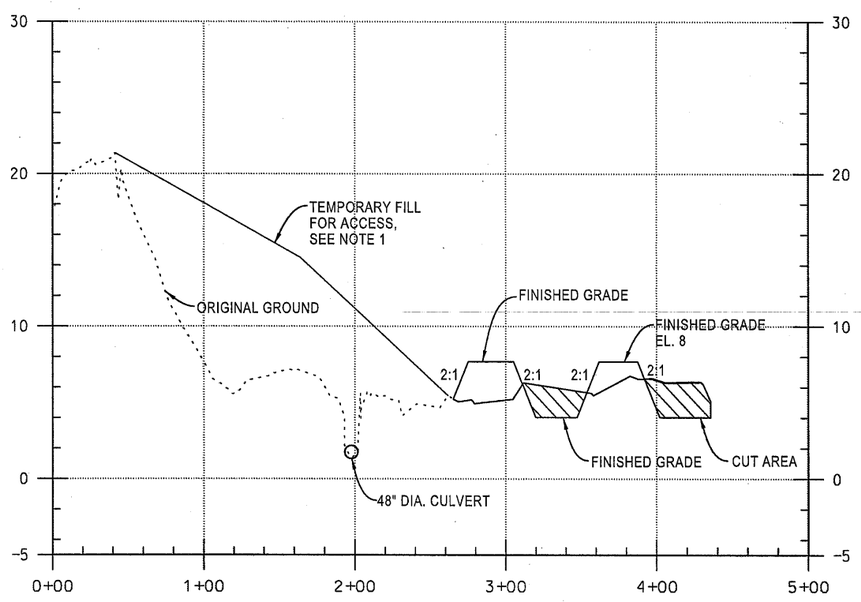
6/16/2016



SECTION A-A

DWG. C-113
HORIZ. SCALE: 1:50
VERT. SCALE: 1:5



SECTION B-B

DWG. C-113
HORIZ. SCALE: 1:50
VERT. SCALE: 1:5

CUT AREA

NOTE

1. FINAL CUT ELEVATION SHALL BE FIELD DIRECTED.
2. CONTRACTOR SHALL PLACE TEMPORARY FILL ABOVE THE CULVERT FOR ACCESS TO BERM. BACKFILL MATERIALS SHALL BE REMOVED AND DISPOSE AT DESIGNATED AREA AFTER FINISHED.

STATE OF CALIFORNIA
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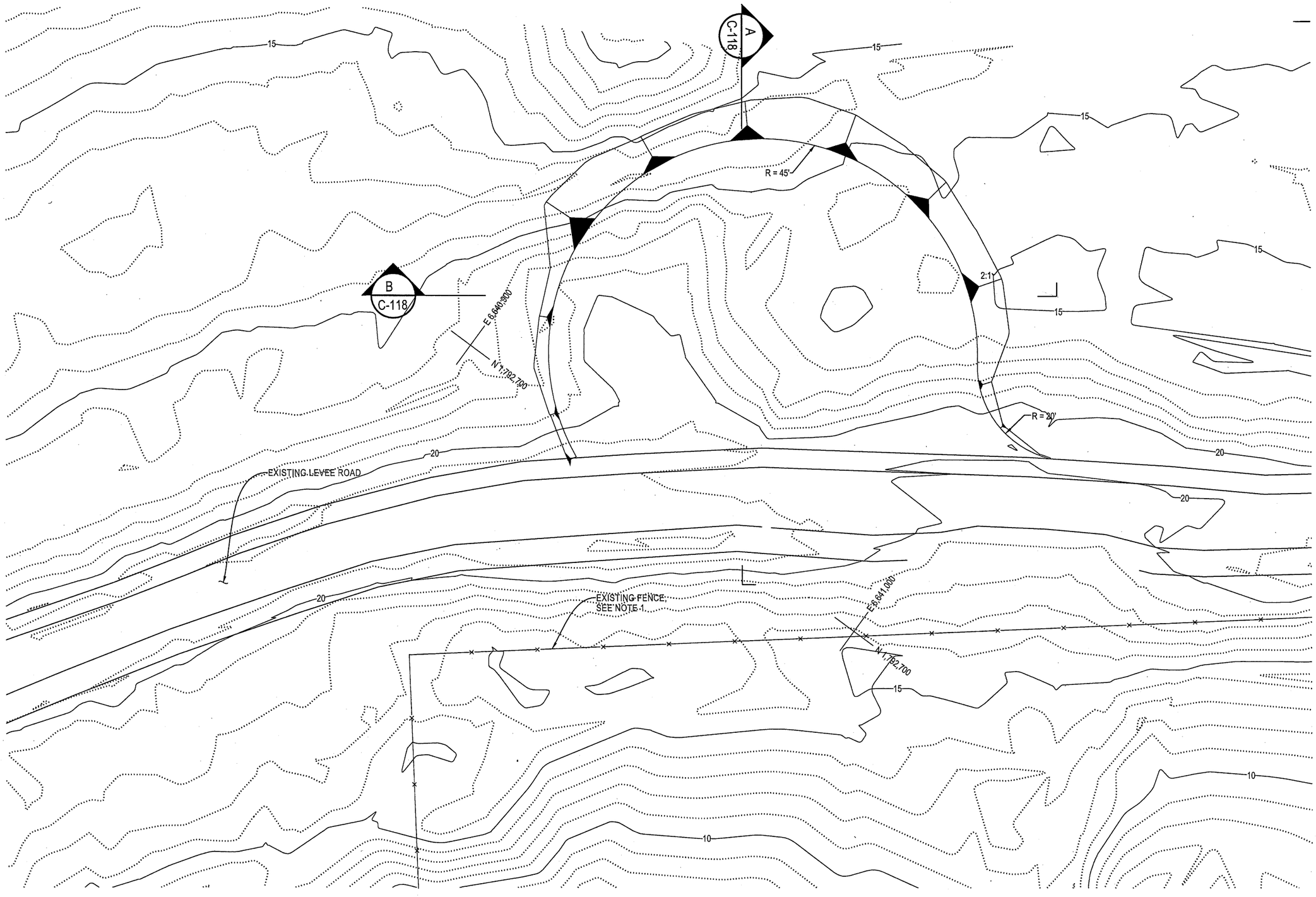
STATE WATER FACILITIES
FISH RESTORATION PROGRAM
DIVISION OF ENVIRONMENTAL SERVICES
DECKER ISLAND MODIFICATIONS

BERM 3 SECTIONS

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
XX-XX	018	X	C-115

VI= Print.Styles 11x17.PEN
Print.Color 11x17.tbl
6/16/2016



PLAN

SCALE 1 : 20

NOTE

1. CONTRACTOR SHALL REMOVE & REPLACE FENCE AS FIELD DIRECTED.

STATE OF CALIFORNIA
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DECKER ISLAND MODIFICATIONS

TURNAROUND
PLAN
FINISHED CONDITION

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
	019	X	C-116

VI= Print.Styles 11x17.PEN
Print.Color 11x17.tbl
6/17/2016

STATE OF CALIFORNIA
CALIFORNIA NATURAL RESOURCES AGENCY
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REV.	DESCRIPTION	SUB.	APP.

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STATE WATER FACILITIES
FISH RESTORATION PROGRAM
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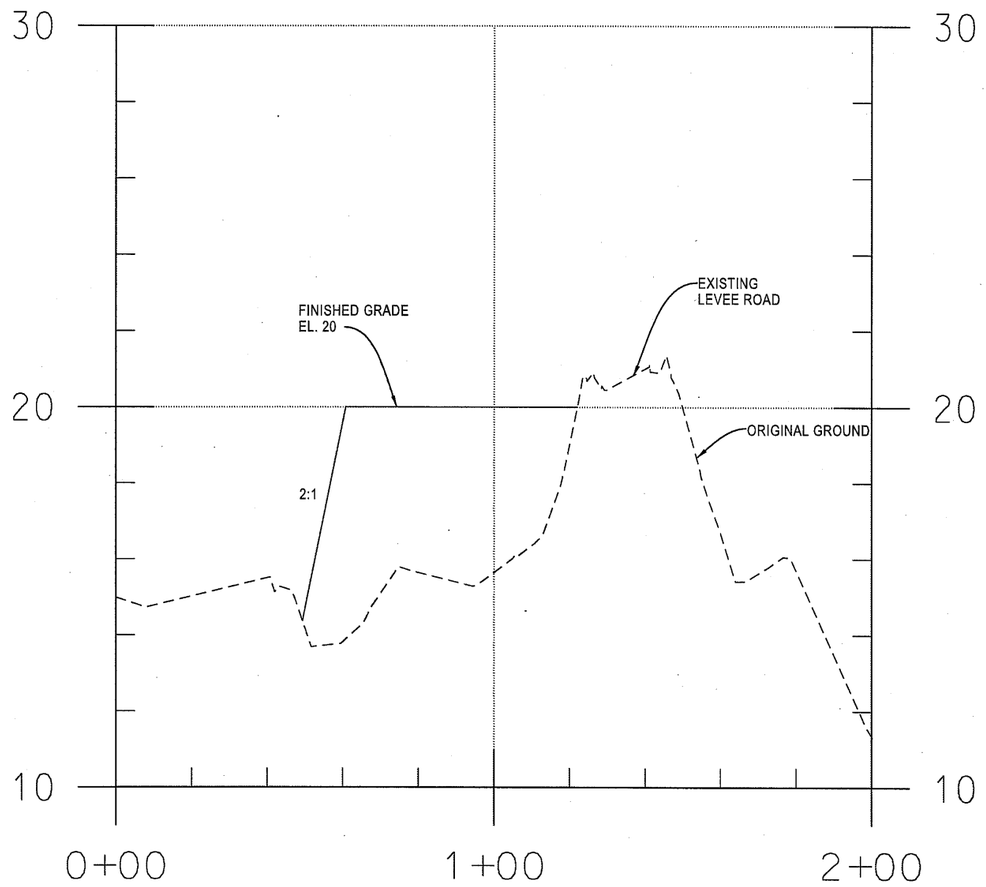
DECKER ISLAND MODIFICATIONS

TURNAROUND
PLAN
EXISTING CONDITION

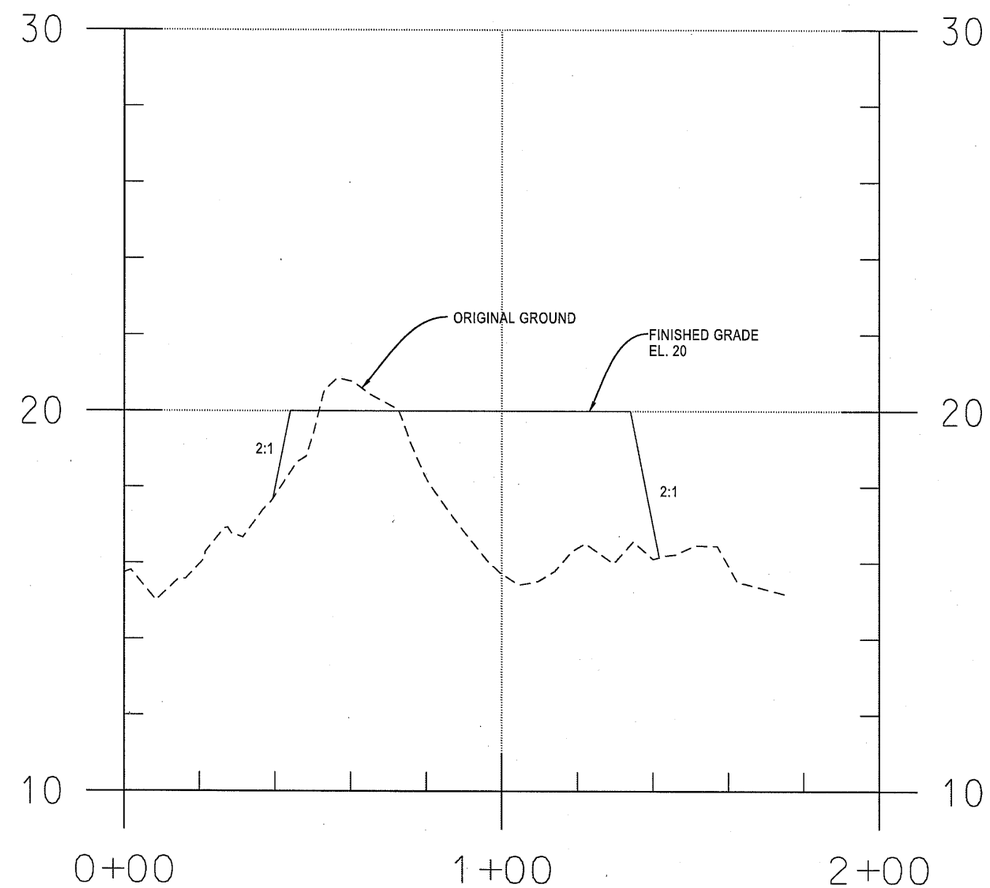
SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
	020	X	C-117

VI= Print.Styles 11x17.PEN
Print.Color 11x17.tbl
6/16/2016



SECTION A-A

DWG. C-116
HORIZ. SCALE: 1:20
VERT. SCALE: 1:2



SECTION B-B

DWG. C-116
HORIZ. SCALE: 1:20
VERT. SCALE: 1:2

STATE OF CALIFORNIA
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STATE WATER FACILITIES
FISH RESTORATION PROGRAM
DIVISION OF ENVIRONMENTAL SERVICES
DECKER ISLAND MODIFICATIONS

TURNAROUND PAD SECTIONS

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
XX-XX	021	X	C-118

VI= Print.Styles 11x17.PEN
Print.Color 11x17.tbl
8/17/2018