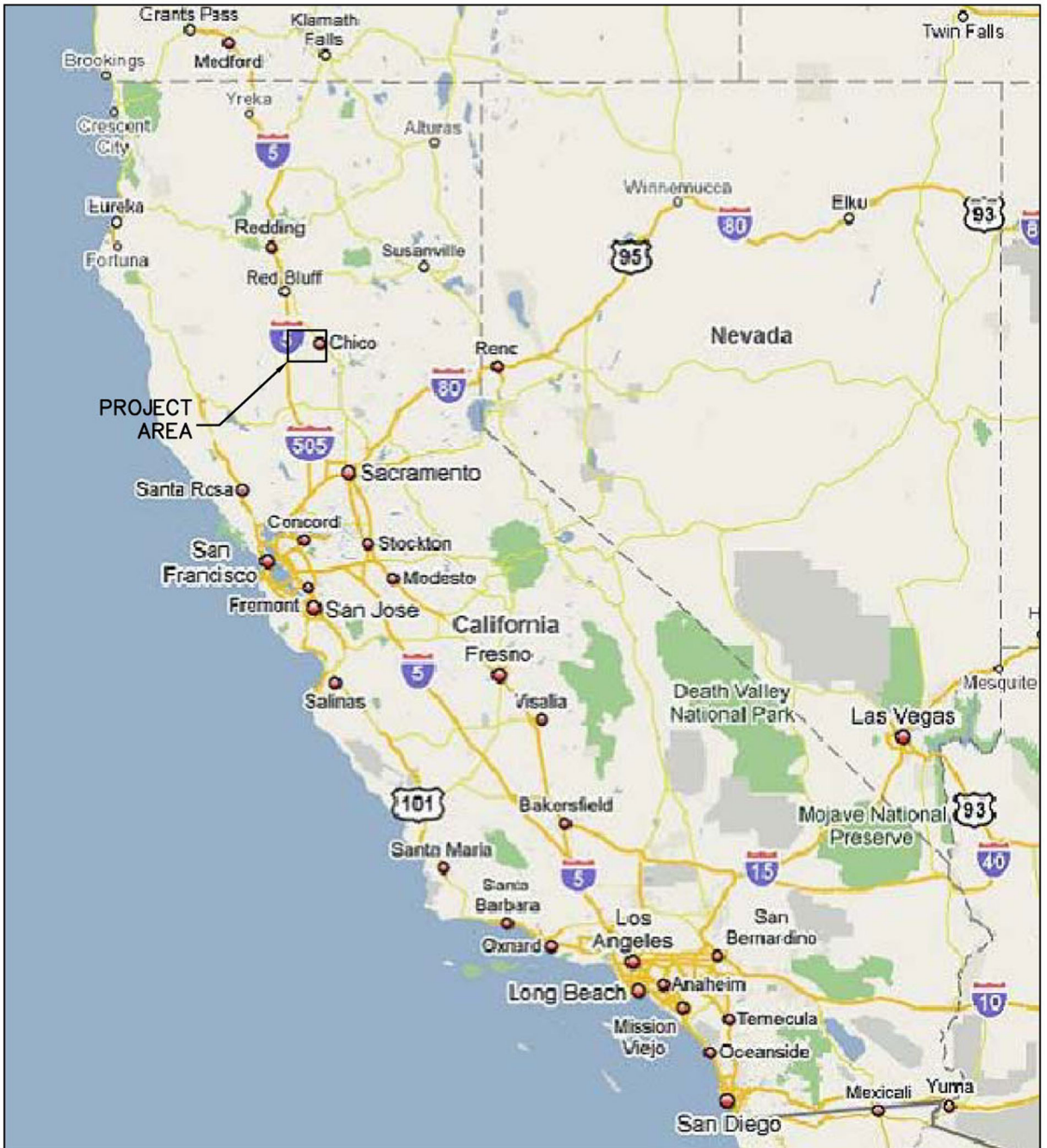
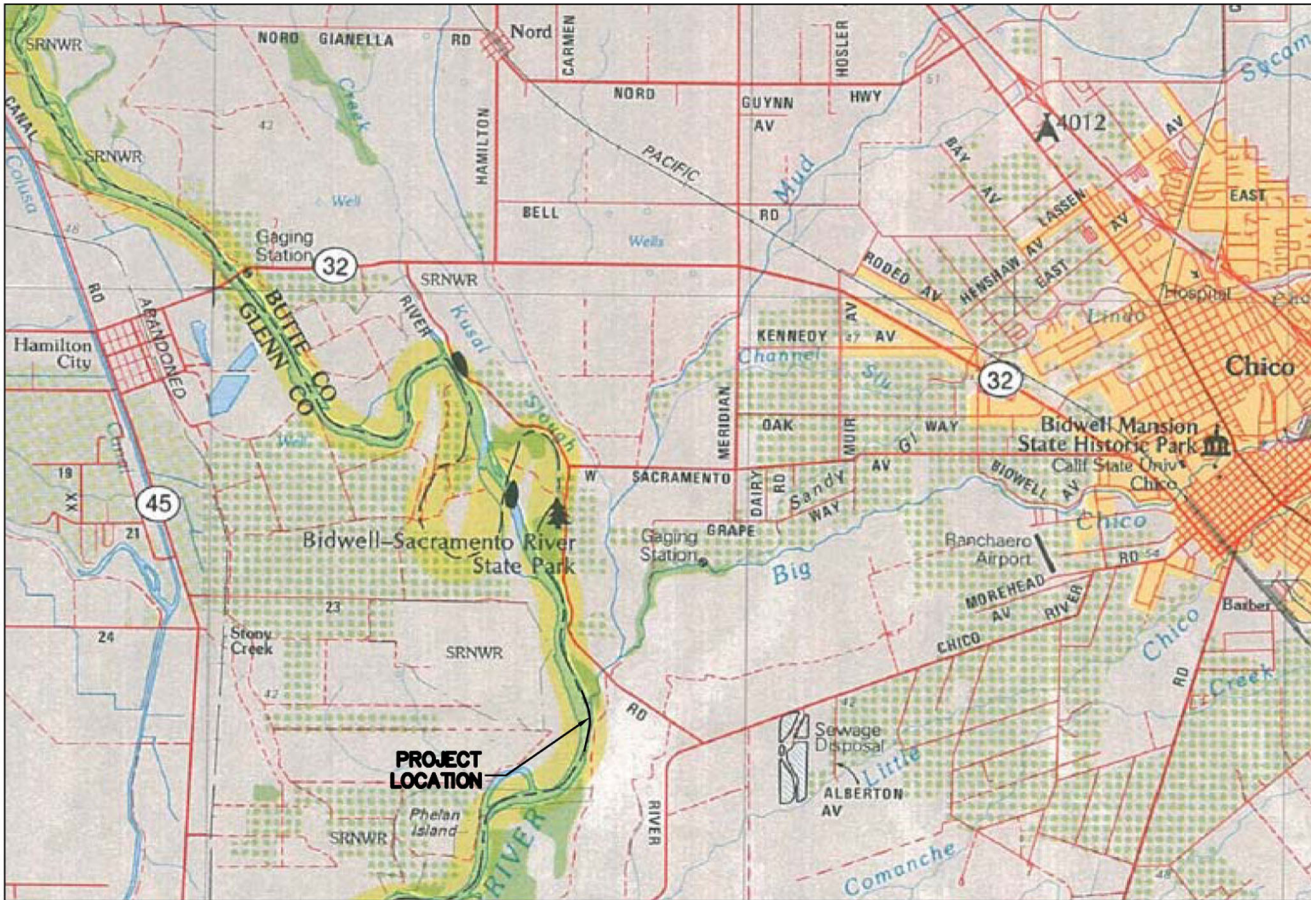


Project Location

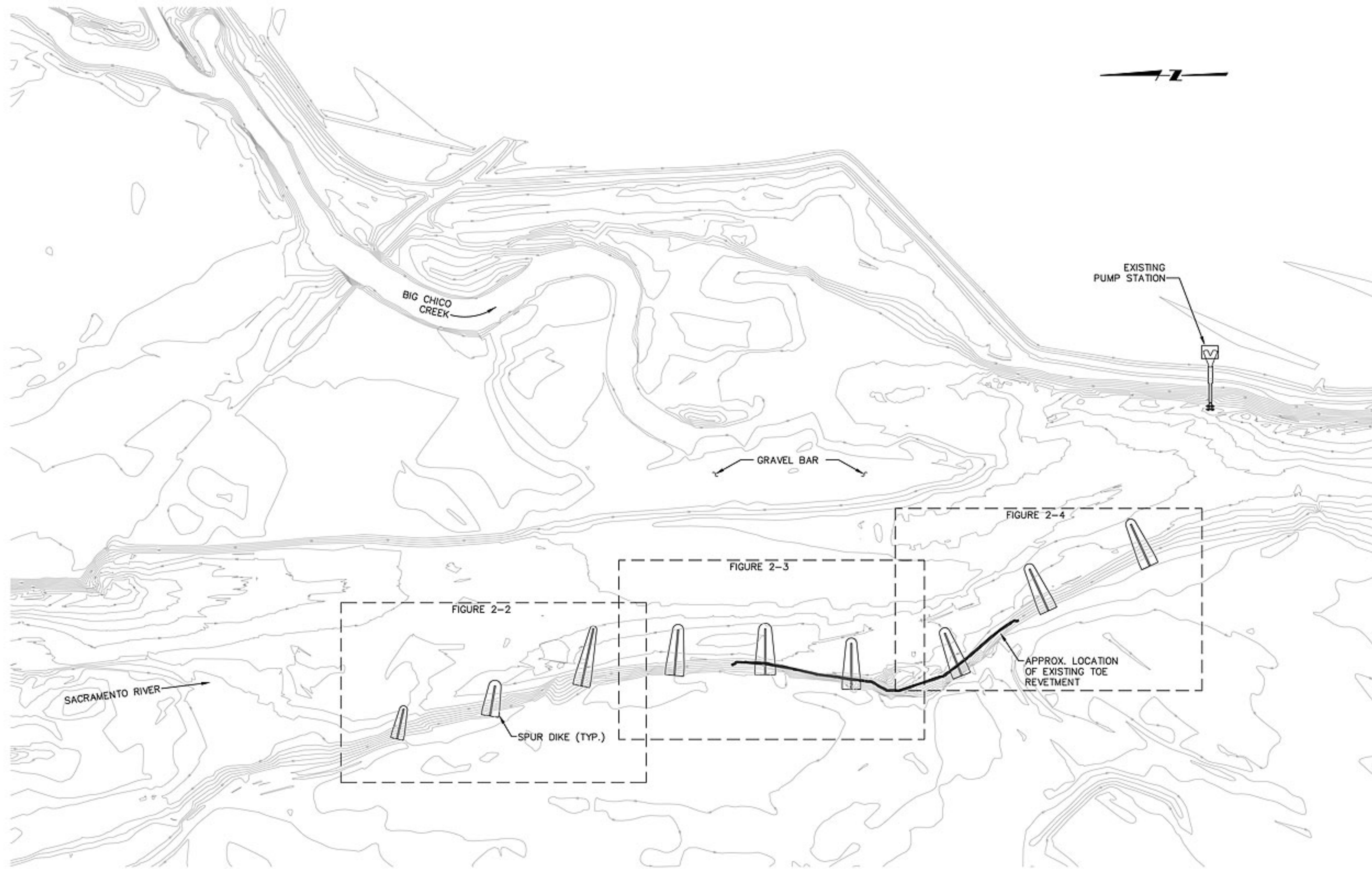


Location Map



Vicinity Map

FILE: \\ussds01\BU20152\Projects\Ducks Unlimited\6.6 Design\6.6 Drawings\CIV-C-01 Site Plan.dwg
 USER: David E. Whitbeck
 DATE: Sep 10, 2008 - 10:49am



REV	DATE	BY	DESCRIPTION
07/08			PRELIMINARY NOT FOR CONSTRUCTION

SCALE
1" = 200'

DESIGNED DESIGN
 DRAWN DRAWN
 CHECKED CHECKED

SUBMITTED BY
 (PROJECT MANAGER'S NAME) LICENSE NO. DATE
 (COMPANY OFFICER'S NAME) LICENSE NO. DATE

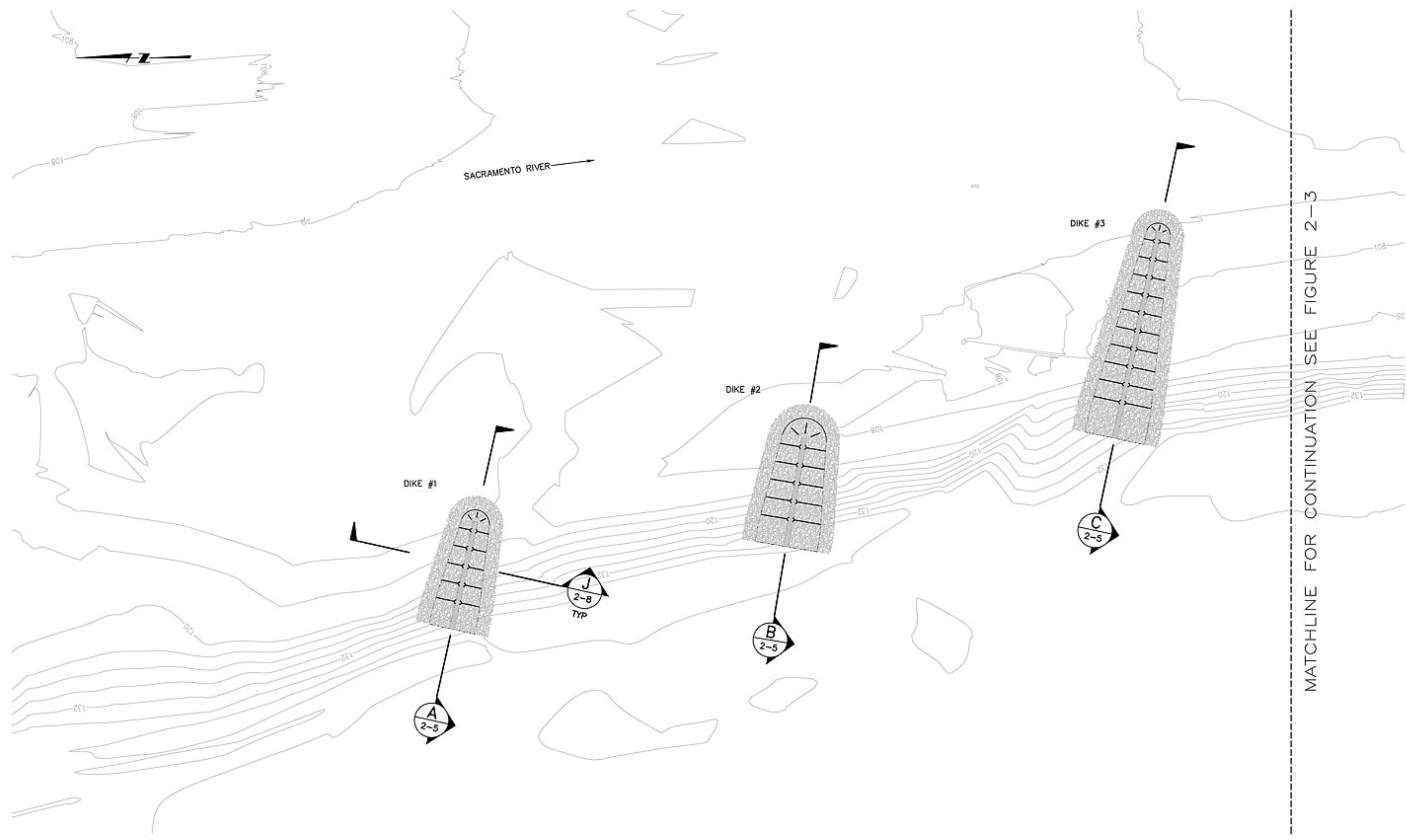


DUCKS UNLIMITED
 M&T RANCH INTAKE IMPROVEMENTS

M&T RANCH INTAKE IMPROVEMENTS
 CIVIL
 SITE PLAN

FIGURE
2-1

FILE: \\ussd501\BU20152\Projects\Ducks Unlimited\6.6 Design\06 Design\6.6 Design\CIV-C-02 Area Plan-1.dwg
 USER: David E. Whitbeck
 DATE: Sep 04, 2008 - 3:01pm



REV	DATE	BY	DESCRIPTION
07/08			PRELIMINARY NOT FOR CONSTRUCTION

SCALE
1"=100'

DESIGNED DESIGN
 DRAWN DRAWN
 CHECKED CHECKED

SUBMITTED BY
 (PROJECT MANAGER'S NAME) LICENSE NO. DATE
 (COMPANY OFFICER'S NAME) LICENSE NO. DATE

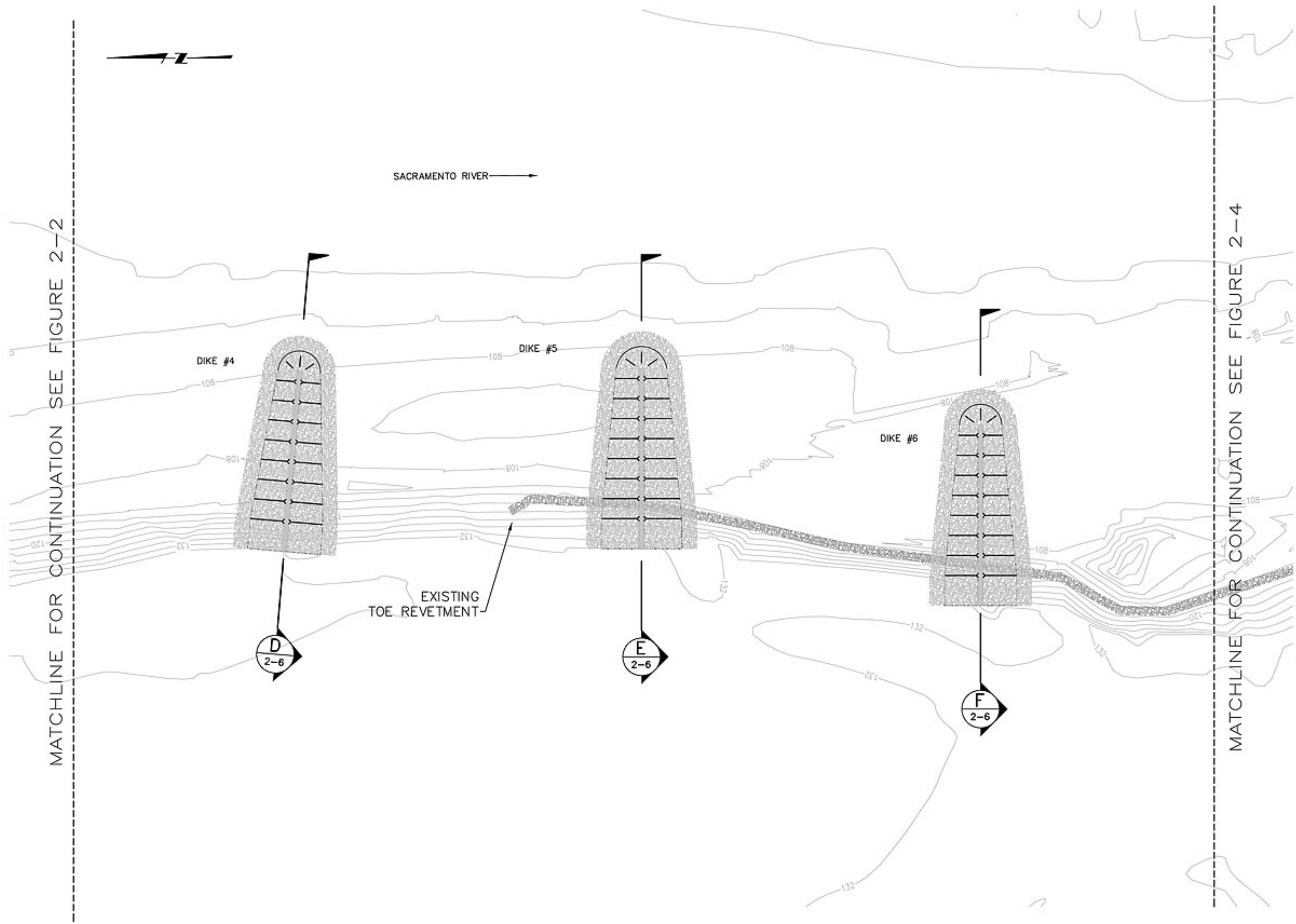


DUCKS UNLIMITED
 M&T RANCH INTAKE IMPROVEMENTS

M&T RANCH INTAKE IMPROVEMENTS
 CIVIL
 AREA PLAN - 1

FIGURE
2-2

FILE: \\ussds01\BU20152\Projects\Ducks Unlimited\6.6 Design\06 Design\6.6 Drawing\DWG\C-03 Area Plan-2.dwg
 USER: David E. Whitbeck
 DATE: Sep 04, 2008 - 3:37pm



REV	DATE	BY	DESCRIPTION
07/08			PRELIMINARY NOT FOR CONSTRUCTION

SCALE
1" = 100'

DESIGNED DESIGN
 DRAWN DRAWN
 CHECKED CHECKED

SUBMITTED BY
 (PROJECT MANAGER'S NAME) LICENSE NO. DATE
 (COMPANY OFFICER'S NAME) LICENSE NO. DATE

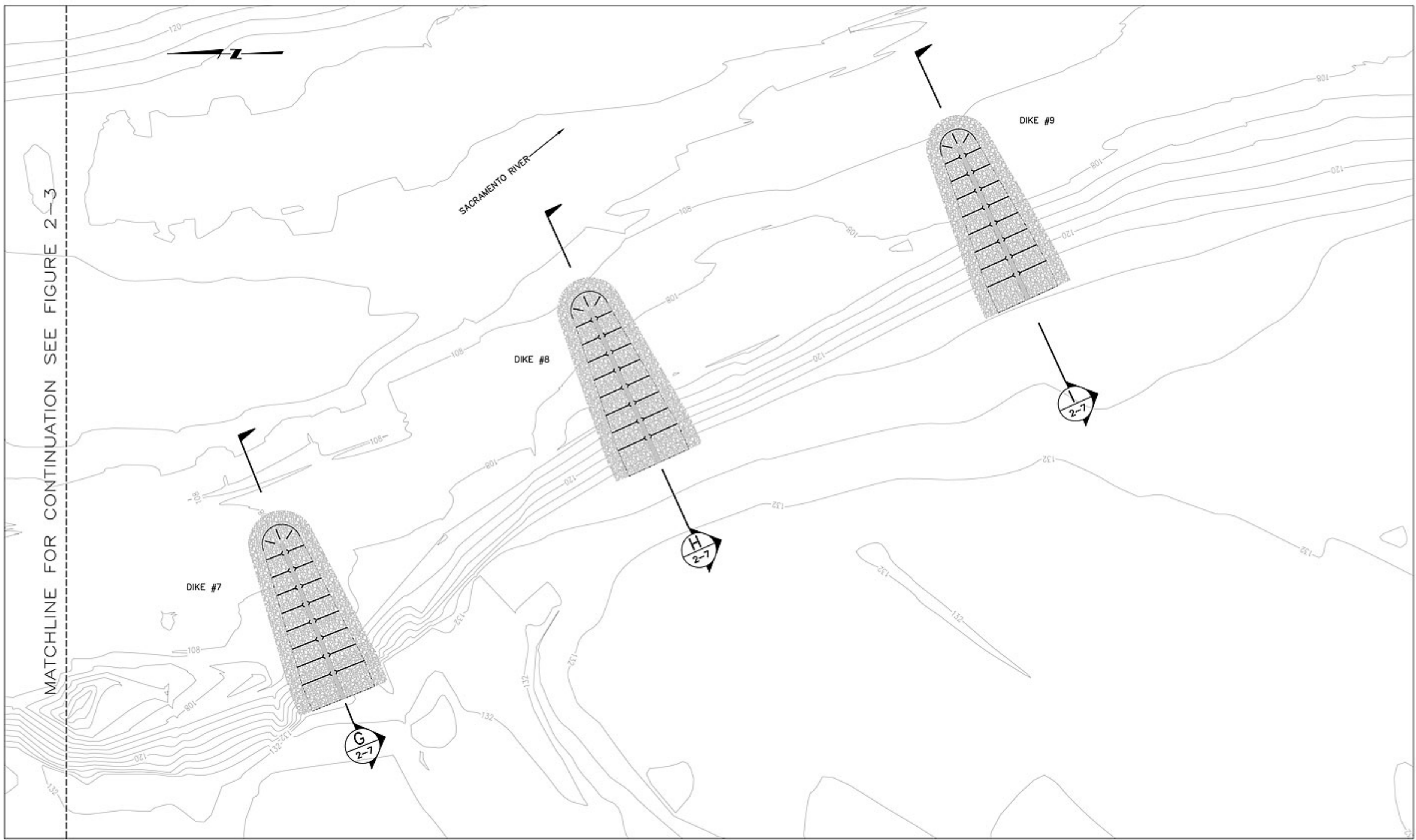


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M&T RANCH INTAKE IMPROVEMENTS
 CIVIL
 AREA PLAN - 2

FIGURE
2-3

FILE: \\ussds01\BU20152\Projects\Ducks Unlimited\ & T Design\06 Design\6.6 Drawings\CIV-C-04 Area Plan-3.dwg
 USER: David E. Whitbeck
 DATE: Sep 04, 2008 - 3:48pm



REV	DATE	BY	DESCRIPTION
07/08			PRELIMINARY NOT FOR CONSTRUCTION

SCALE
1" = 100'

DESIGNED	DESIGN
DRAWN	DRAWN
CHECKED	CHECKED

SUBMITTED BY		
(PROJECT MANAGER'S NAME)	LICENSE NO.	DATE
(COMPANY OFFICER'S NAME)	LICENSE NO.	DATE

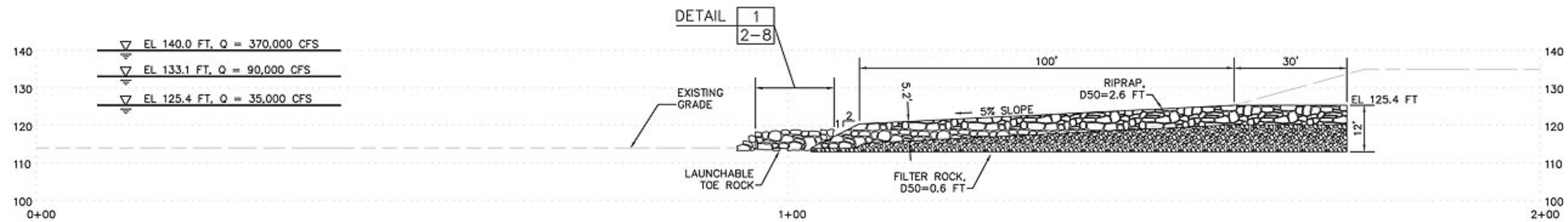


DUCKS UNLIMITED
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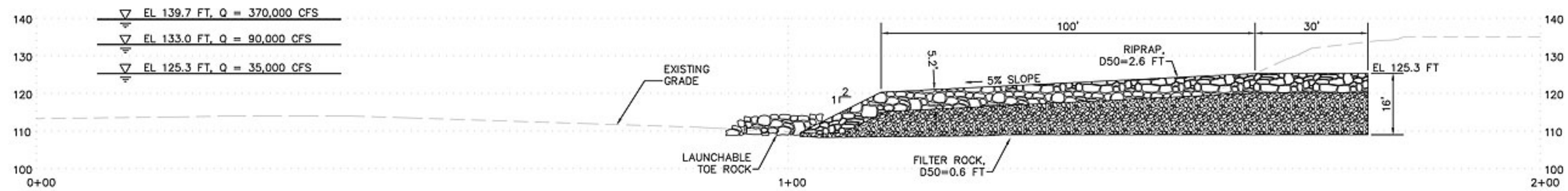
M&T RANCH INTAKE IMPROVEMENTS
CIVIL
AREA PLAN - 3

FIGURE
2-4

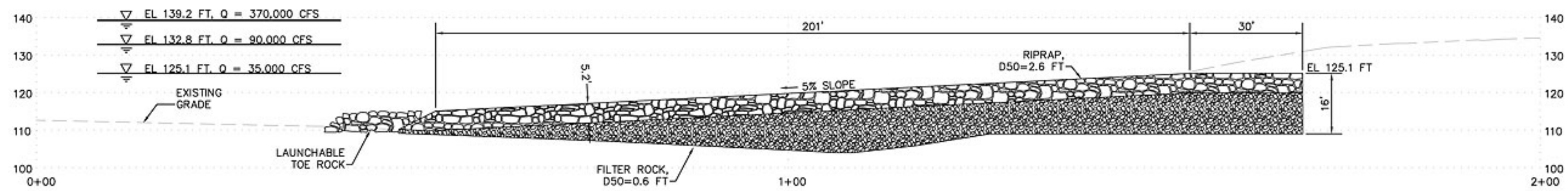
FILE: \\ussd501\BU20152\Projects\Ducks Unlimited\ & T Design\06 Design\6.6 Drawings\CIV-C-05 Civil Profiles-1.dwg
 USER: David E. Whitbeck
 DATE: Sep 16, 2008 - 8:25am



PROFILE - SPUR DIKE #1
 SCALE: 1"=30'
 A
 2-2



PROFILE - SPUR DIKE #2
 SCALE: 1"=30'
 B
 2-2



PROFILE - SPUR DIKE #3
 SCALE: 1"=30'
 C
 2-2

REV	DATE	BY	DESCRIPTION
07/08			PRELIMINARY NOT FOR CONSTRUCTION

SCALE	AS SHOWN
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DESIGNED	DESIGN
DRAWN	DRAWN
CHECKED	CHECKED

SUBMITTED BY		
(PROJECT MANAGER'S NAME)	LICENSE NO.	DATE
(COMPANY OFFICER'S NAME)	LICENSE NO.	DATE

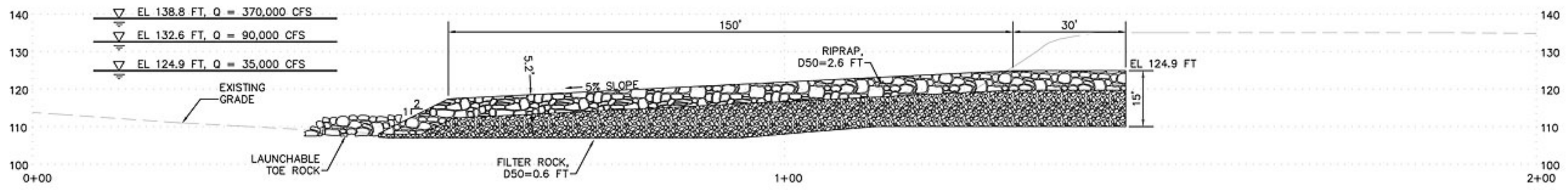


DUCKS UNLIMITED
 M&T RANCH INTAKE IMPROVEMENTS

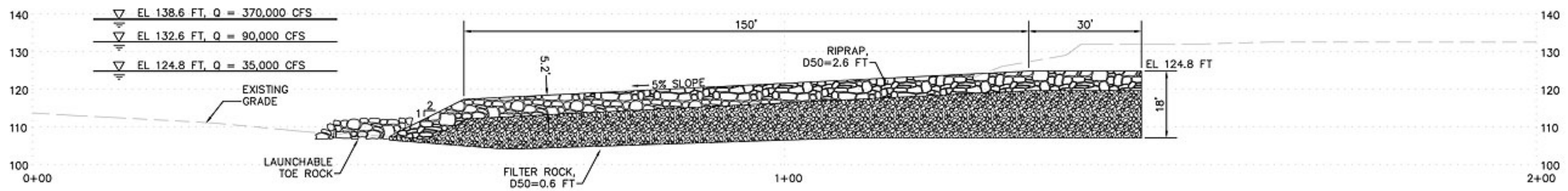
M&T RANCH INTAKE IMPROVEMENTS
 CIVIL
 PROFILES - 1

FIGURE
 2-5

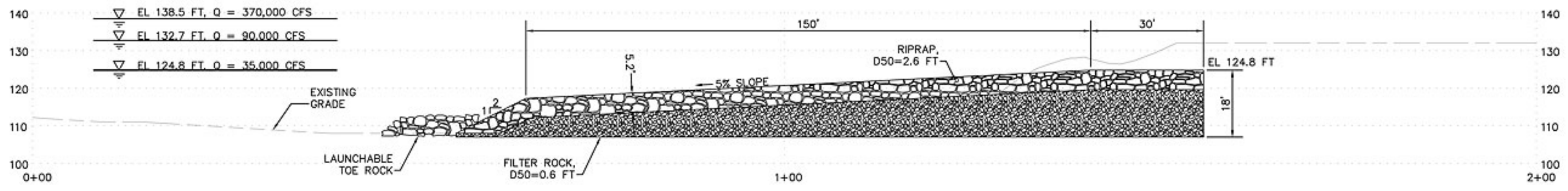
FILE: \\ussd501\BU20152\Projects\DUcks Unlimited\ & T Design\06 Design\6.6 Drawings\CIVIL\06 CIVIL Profiles-2.dwg
 USER: David E. Whitbeck
 DATE: Sep 16, 2008 - 8:29am



PROFILE - SPUR DIKE #4 D
 SCALE: 1"=30' 2-3



PROFILE - SPUR DIKE #5 E
 SCALE: 1"=30' 2-3



PROFILE - SPUR DIKE #6 F
 SCALE: 1"=30' 2-3

REV	DATE	BY	DESCRIPTION
07/08			PRELIMINARY NOT FOR CONSTRUCTION

SCALE	AS SHOWN
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DESIGNED	DESIGN
DRAWN	DRAWN
CHECKED	CHECKED

SUBMITTED BY		
(PROJECT MANAGER'S NAME)	LICENSE NO.	DATE
(COMPANY OFFICER'S NAME)	LICENSE NO.	DATE

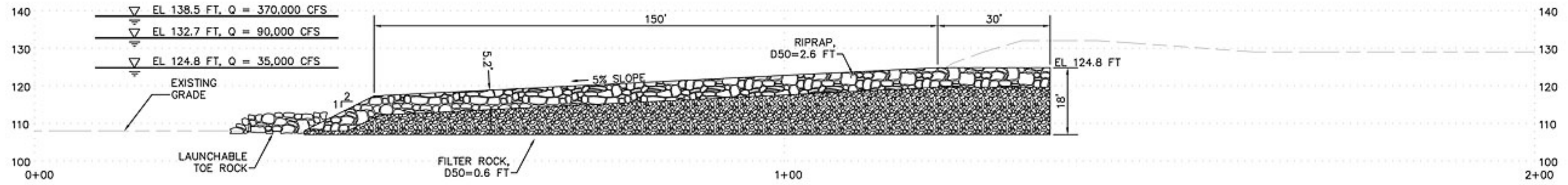


DUCKS UNLIMITED
 M&T RANCH INTAKE IMPROVEMENTS

M&T RANCH INTAKE IMPROVEMENTS
 CIVIL
 PROFILES - 2

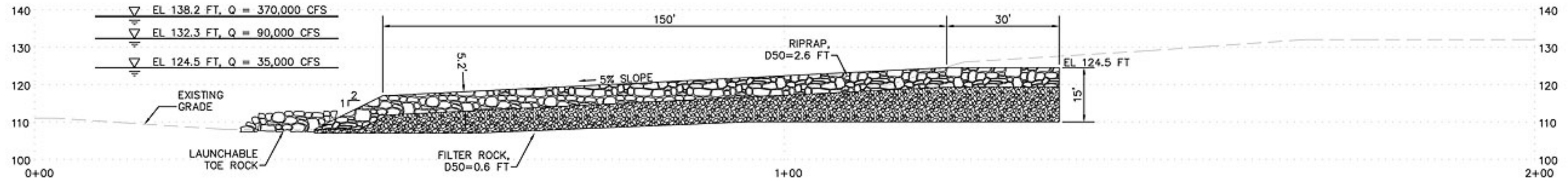
FIGURE
 2-6

DATE: Sep 16, 2008 - 8:28am
 USER: David E. Whitbeck
 FILE: \\ussd501\BU20152\Projects\Ducks Unlimited\ & T Design\06 Design\6.6 Drawings\CIV\07 Civil Profiles-3.dwg



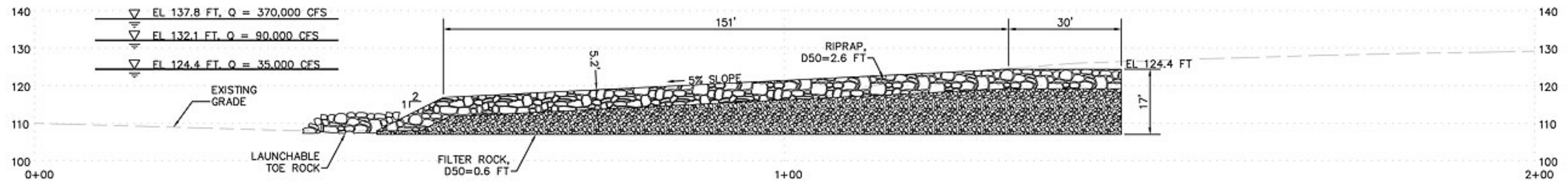
PROFILE - SPUR DIKE #7
 SCALE: 1"=30'

G
2-4



PROFILE - SPUR DIKE #8
 SCALE: 1"=30'

H
2-4



PROFILE - SPUR DIKE #9
 SCALE: 1"=30'

I
2-4

REV	DATE	BY	DESCRIPTION
07/08			PRELIMINARY NOT FOR CONSTRUCTION

SCALE	AS SHOWN
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DESIGNED	DESIGN
DRAWN	DRAWN
CHECKED	CHECKED

SUBMITTED BY		
(PROJECT MANAGER'S NAME)	LICENSE NO.	DATE
(COMPANY OFFICER'S NAME)	LICENSE NO.	DATE

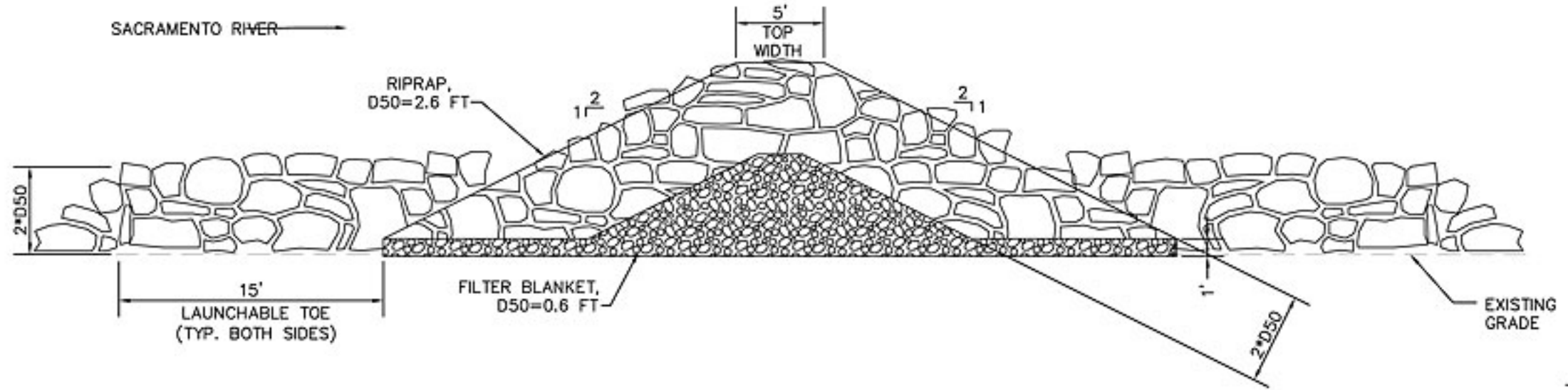


DUCKS UNLIMITED
 M&T RANCH INTAKE IMPROVEMENTS

M&T RANCH INTAKE IMPROVEMENTS
 CIVIL
 PROFILES - 3

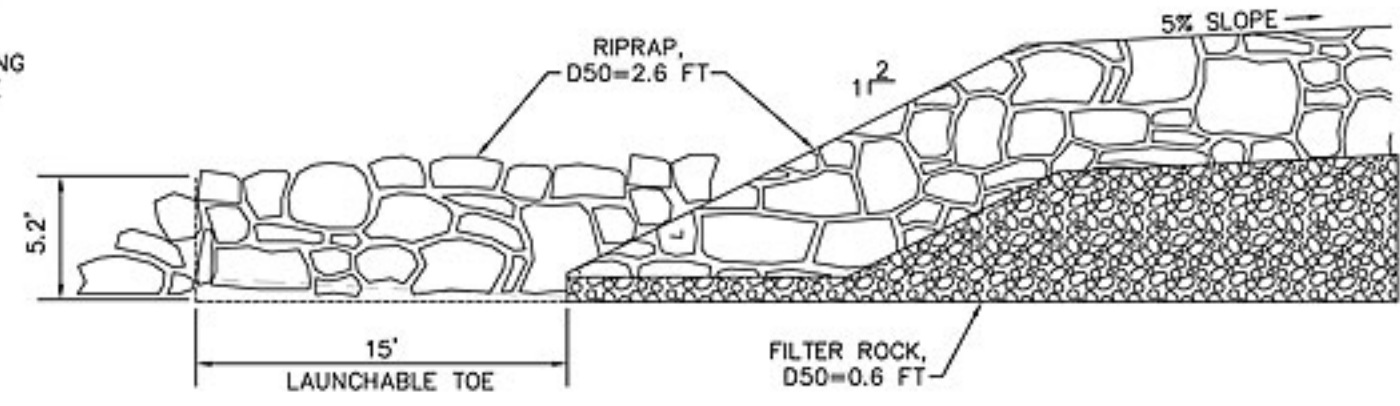
FIGURE
 2-7

FILE: \\ussd501\BU20152\Projects\Ducks Unlimited\ & T Design\06 Design\6.6 Drawings\CIV-C-08 Civil Sections.dwg
 USER: David E. Whitbeck
 DATE: Sep 04, 2008 - 4:25pm



TYPICAL DIKE SECTION
 SCALE: 1"=10'

J
2-2



TYPICAL NOSE PROFILE DETAIL
 SCALE: 1"=10'

A
2-2

REV	DATE	BY	DESCRIPTION
07/08			PRELIMINARY NOT FOR CONSTRUCTION

SCALE	AS SHOWN
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DESIGNED	DESIGN
DRAWN	DRAWN
CHECKED	CHECKED

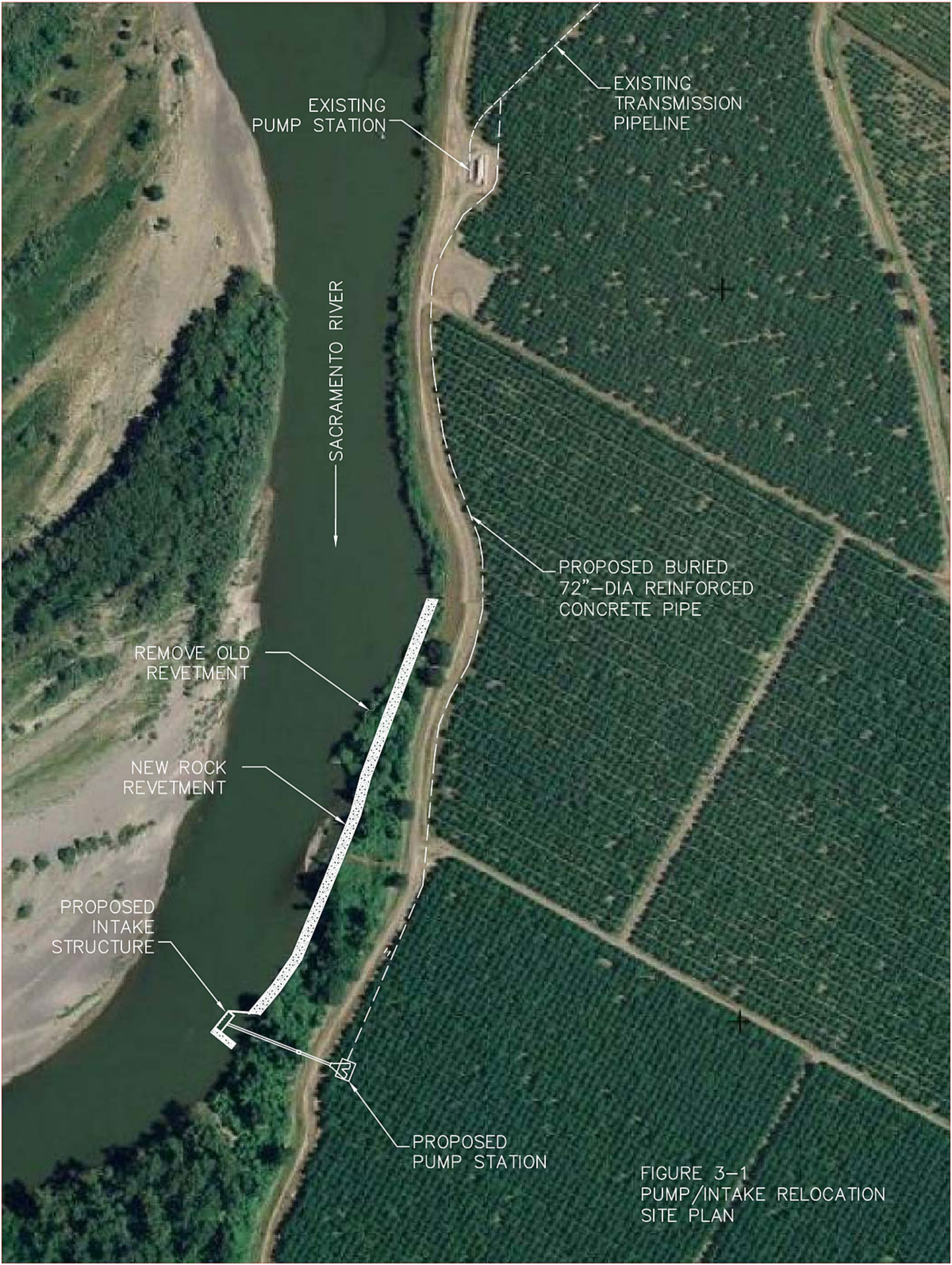
SUBMITTED BY			
(PROJECT MANAGER'S NAME)	LICENSE NO.	DATE	
(COMPANY OFFICER'S NAME)	LICENSE NO.	DATE	



DUCKS UNLIMITED
 M&T RANCH INTAKE IMPROVEMENTS

M&T RANCH INTAKE IMPROVEMENTS
 CIVIL SECTIONS

FIGURE
 2-8



EXISTING
PUMP STATION

EXISTING
TRANSMISSION
PIPELINE

SACRAMENTO RIVER

PROPOSED BURIED
72"-DIA REINFORCED
CONCRETE PIPE

REMOVE OLD
REVETMENT

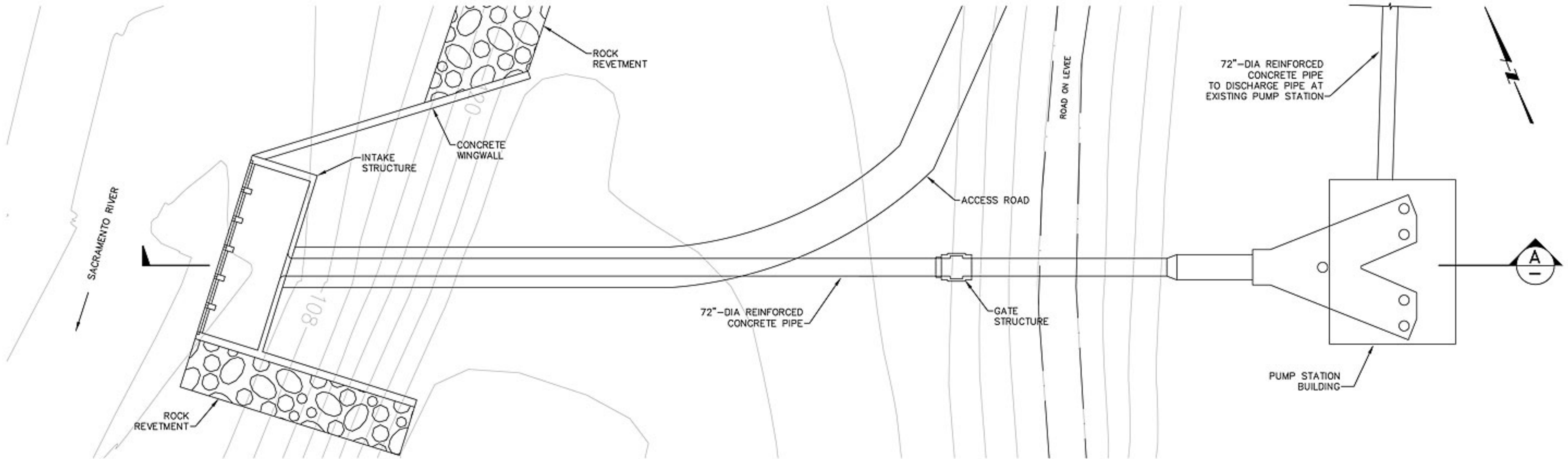
NEW ROCK
REVETMENT

PROPOSED
INTAKE
STRUCTURE

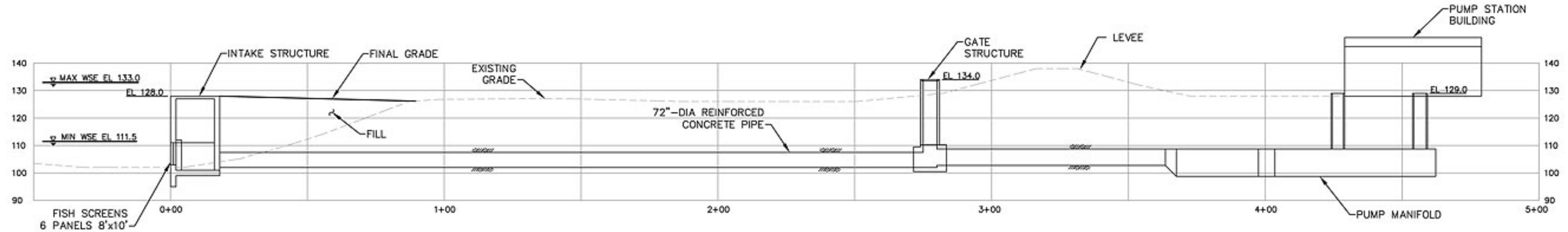
PROPOSED
PUMP STATION

FIGURE 3-1
PUMP/INTAKE RELOCATION
SITE PLAN

DATE: Sep 22, 2008 - 9:08am
 USER: David E. Whitbeck
 FILE: \\ussese3601\Buz20152\Projects\Ducks Unlimited\3-2 Pump Station Plan and Profile.dwg



PLAN
 SCALE: 1"=40'



PROFILE
 SCALE: 1"=40'

A
 -

REV	DATE	BY	DESCRIPTION
07/08			PRELIMINARY NOT FOR CONSTRUCTION

SCALE
 AS SHOWN

DESIGNED DESIGN
 DRAWN DRAWN
 CHECKED CHECKED

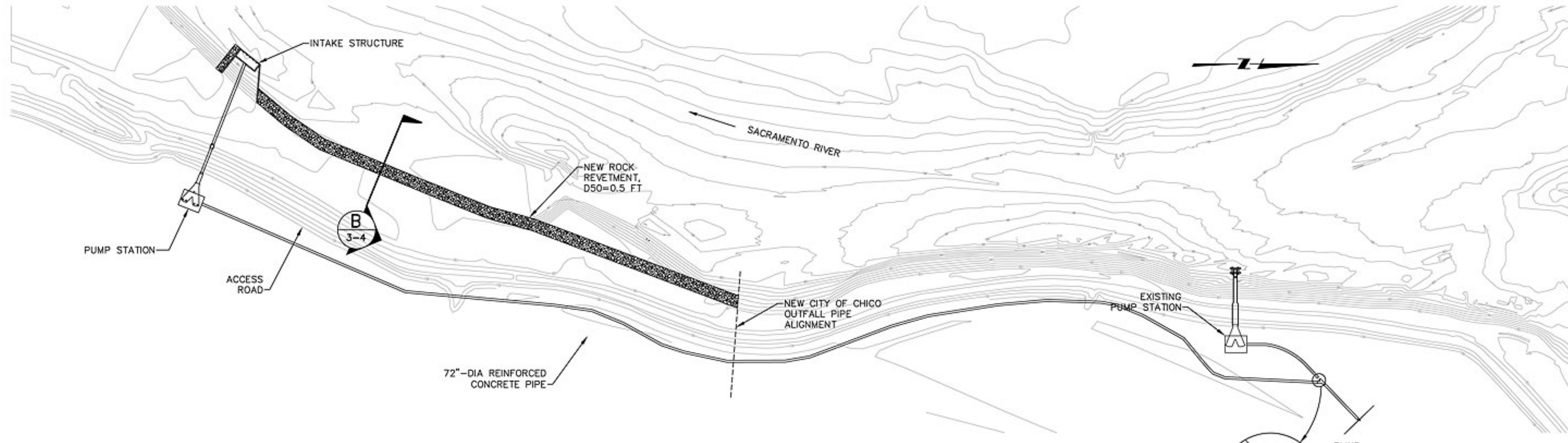
SUBMITTED BY
 (PROJECT MANAGER'S NAME) LICENSE NO. DATE
 (COMPANY OFFICER'S NAME) LICENSE NO. DATE



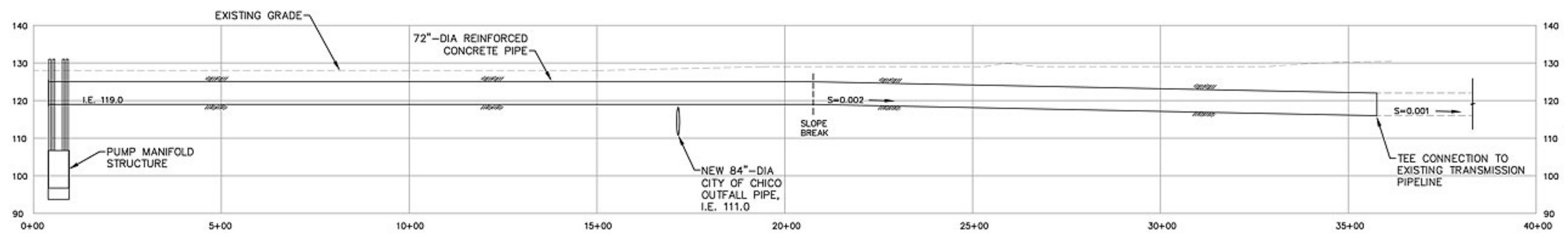
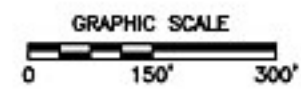
DUCKS UNLIMITED
 M&T RANCH INTAKE IMPROVEMENTS

M&T RANCH INTAKE IMPROVEMENTS
 PUMP RELOCATION
 INTAKE AND PUMP STATION PLAN & PROFILE

DATE: Sep 22, 2008 - 2:07pm
 USER: David E. Whitbeck
 FILE: \\uss301\Buz20152\Projects\Ducks Unlimited\ & T Design\06 Design\6.6 Drawings\Civil\Fig 3-3 Connection Pipe Plan and Profile.dwg



PLAN - TRANSMISSION PIPE
 SCALE: 1"=300'



PROFILE
 SCALE: 1"=300' HORZ., 1"=30 VERT.

A
 2-2

REV	DATE	BY	DESCRIPTION
07/08			PRELIMINARY NOT FOR CONSTRUCTION

SCALE	AS SHOWN
-------	----------

DESIGNED	DESIGN
DRAWN	DRAWN
CHECKED	CHECKED

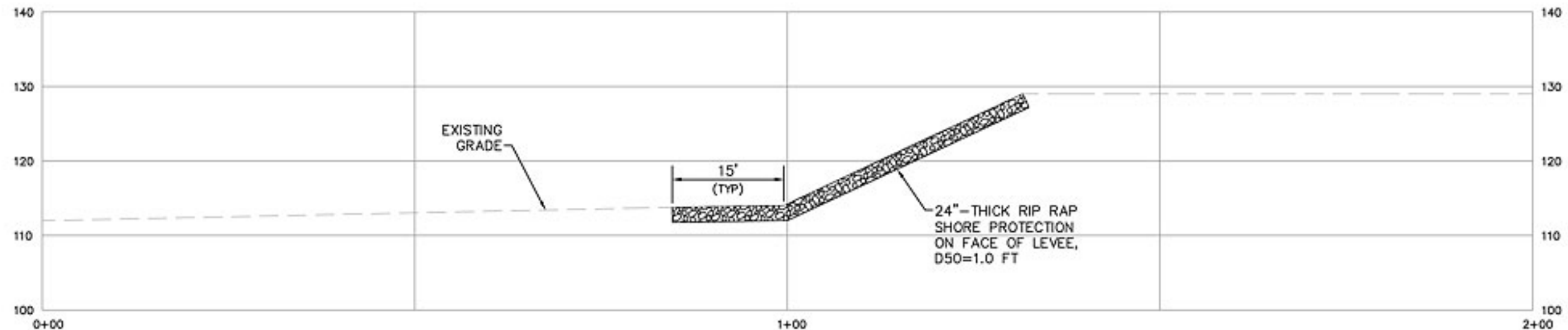
SUBMITTED BY		
(PROJECT MANAGER'S NAME)	LICENSE NO.	DATE
(COMPANY OFFICER'S NAME)	LICENSE NO.	DATE



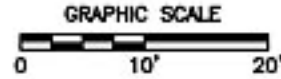
DUCKS UNLIMITED
 M&T RANCH INTAKE IMPROVEMENTS

M&T RANCH INTAKE IMPROVEMENTS
 PUMP RELOCATION
 TRANSMISSION PIPE PLAN & PROFILE

FILE: \\uss301\Buz20152\Projects\ Ducks Unlimited\ & T Design\06 Design\6.6 Drawings\CIV\Fig 3-4 Shore Protection.dwg
 USER: David E. Whitbeck
 DATE: Sep 15, 2008 - 5:18pm



DETAIL - TYP ROCK REVETMENT B
 SCALE: 1"=20' 3-2



REV	DATE	BY	DESCRIPTION
07/08			PRELIMINARY NOT FOR CONSTRUCTION

SCALE
AS SHOWN

DESIGNED DESIGN
 DRAWN DRAWN
 CHECKED CHECKED

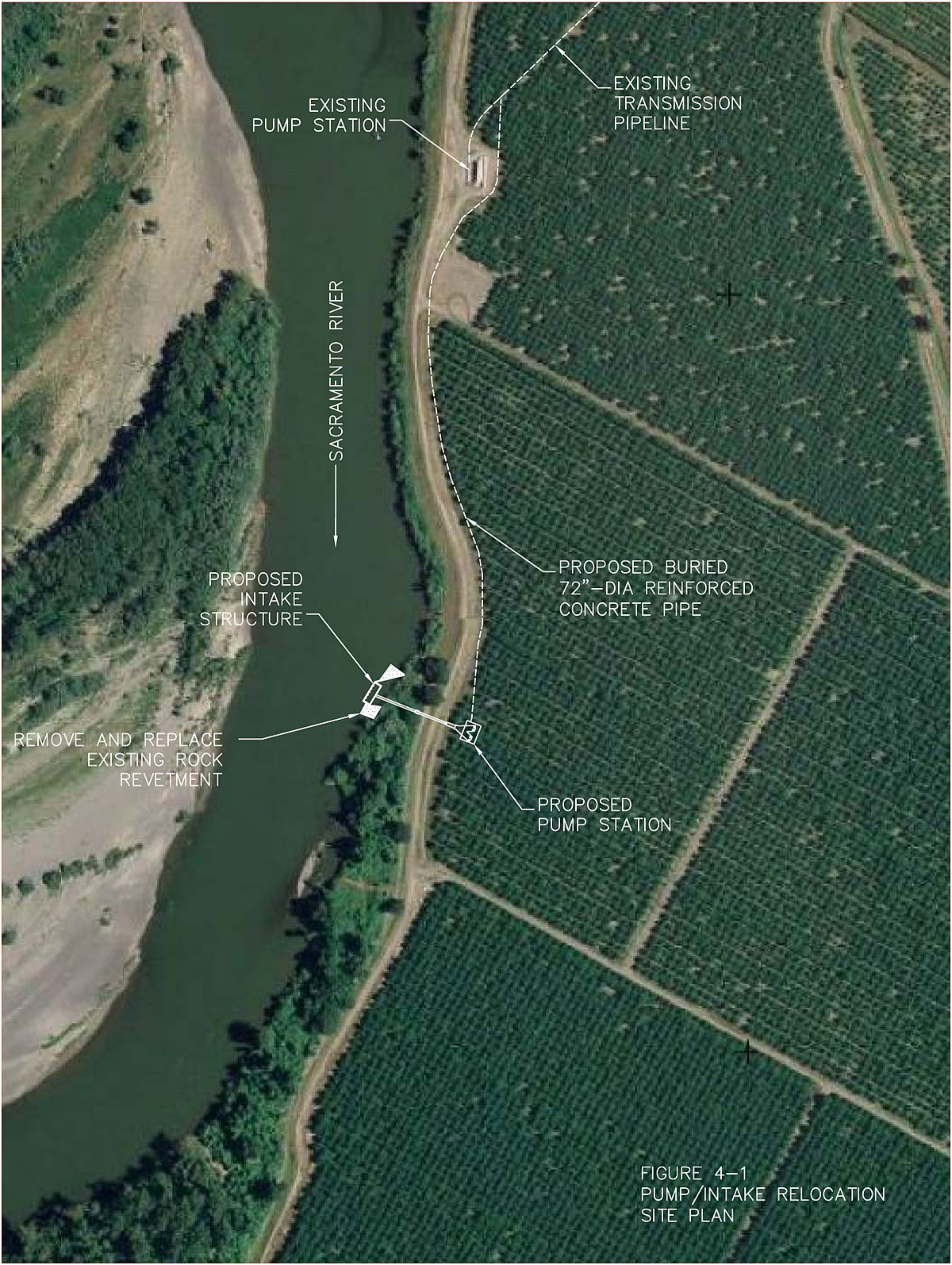
SUBMITTED BY
 (PROJECT MANAGER'S NAME) LICENSE NO. DATE
 (COMPANY OFFICER'S NAME) LICENSE NO. DATE



DUCKS UNLIMITED
 M&T RANCH INTAKE IMPROVEMENTS

M&T RANCH INTAKE IMPROVEMENTS
 PUMP RELOCATION
 TYPICAL SHORE PROTECTION DETAIL

FIGURE
3-4



EXISTING
PUMP STATION

EXISTING
TRANSMISSION
PIPELINE

SACRAMENTO RIVER

PROPOSED
INTAKE
STRUCTURE

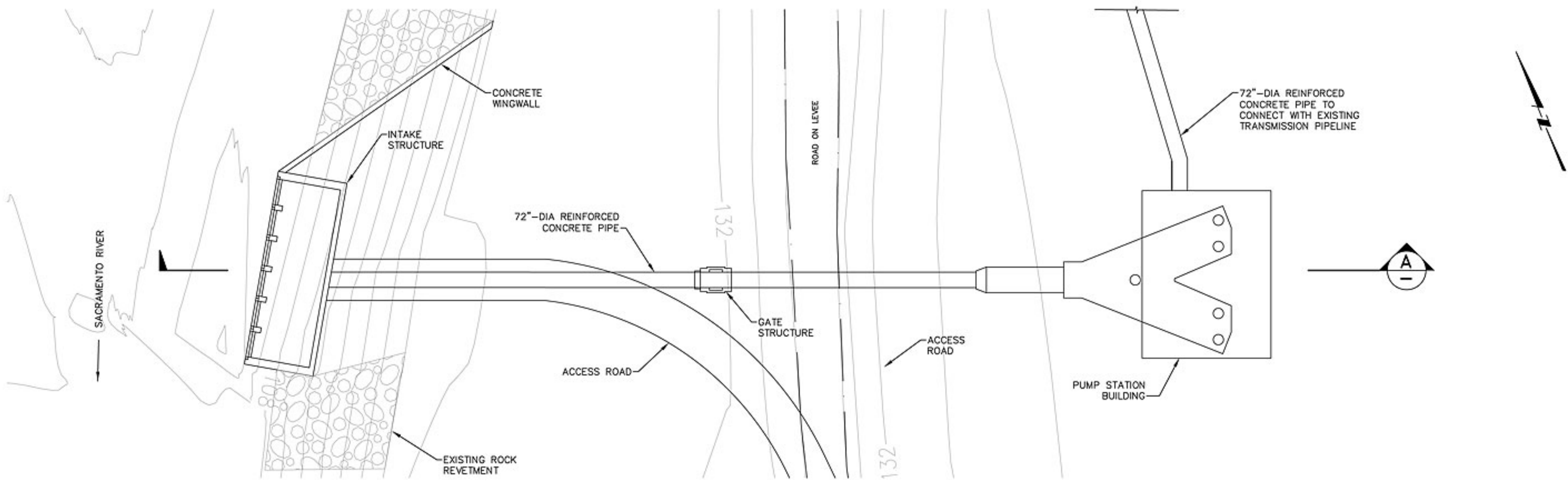
PROPOSED BURIED
72"-DIA REINFORCED
CONCRETE PIPE

REMOVE AND REPLACE
EXISTING ROCK
REVTMENT

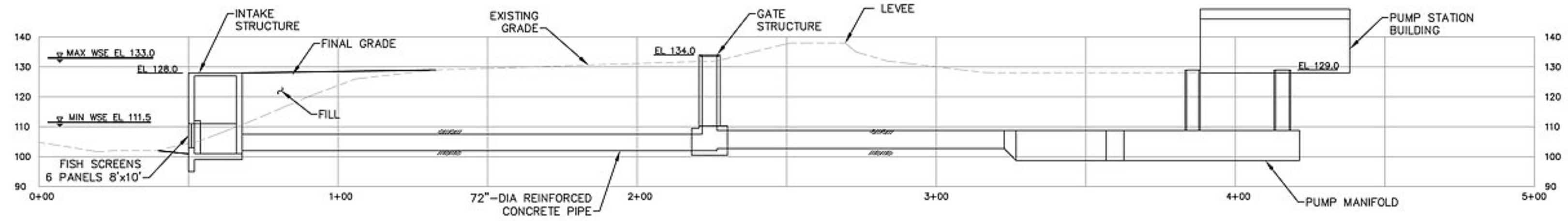
PROPOSED
PUMP STATION

FIGURE 4-1
PUMP/INTAKE RELOCATION
SITE PLAN

FILE: \\uss301\B20152\Projects\Ducks Unlimited\ & T Design\06 Design\6.6 Drawings\CIV\Fig. 4-2 Pump Station Plan and Profile.dwg
 USER: David E. Whitbeck
 DATE: Sep 21, 2008 - 9:17am



PLAN
 SCALE: 1"=40'



PROFILE
 SCALE: 1"=40'

A
 —

REV	DATE	BY	DESCRIPTION
07/08			PRELIMINARY NOT FOR CONSTRUCTION

SCALE
 AS SHOWN

DESIGNED DESIGN
 DRAWN DRAWN
 CHECKED CHECKED

SUBMITTED BY
 (PROJECT MANAGER'S NAME) LICENSE NO. DATE
 (COMPANY OFFICER'S NAME) LICENSE NO. DATE

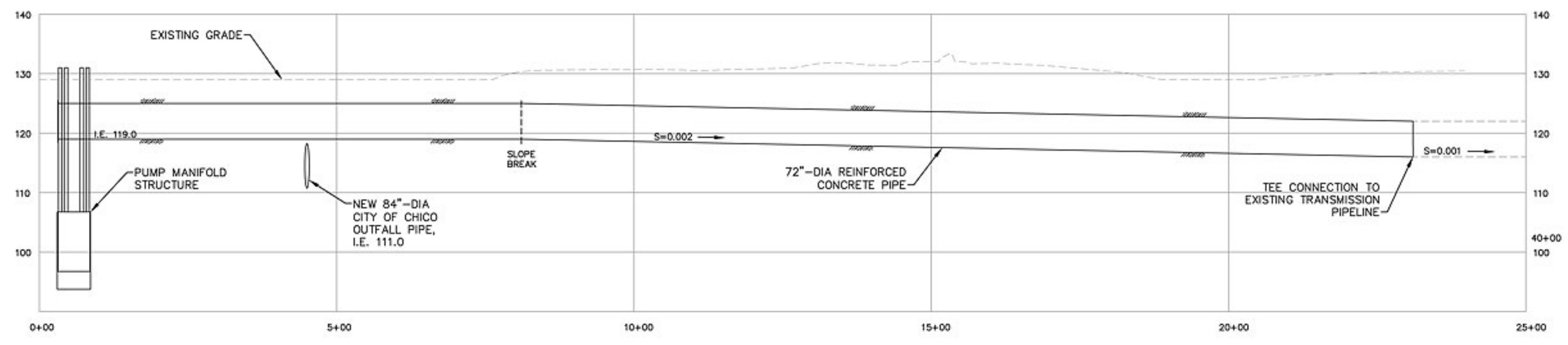
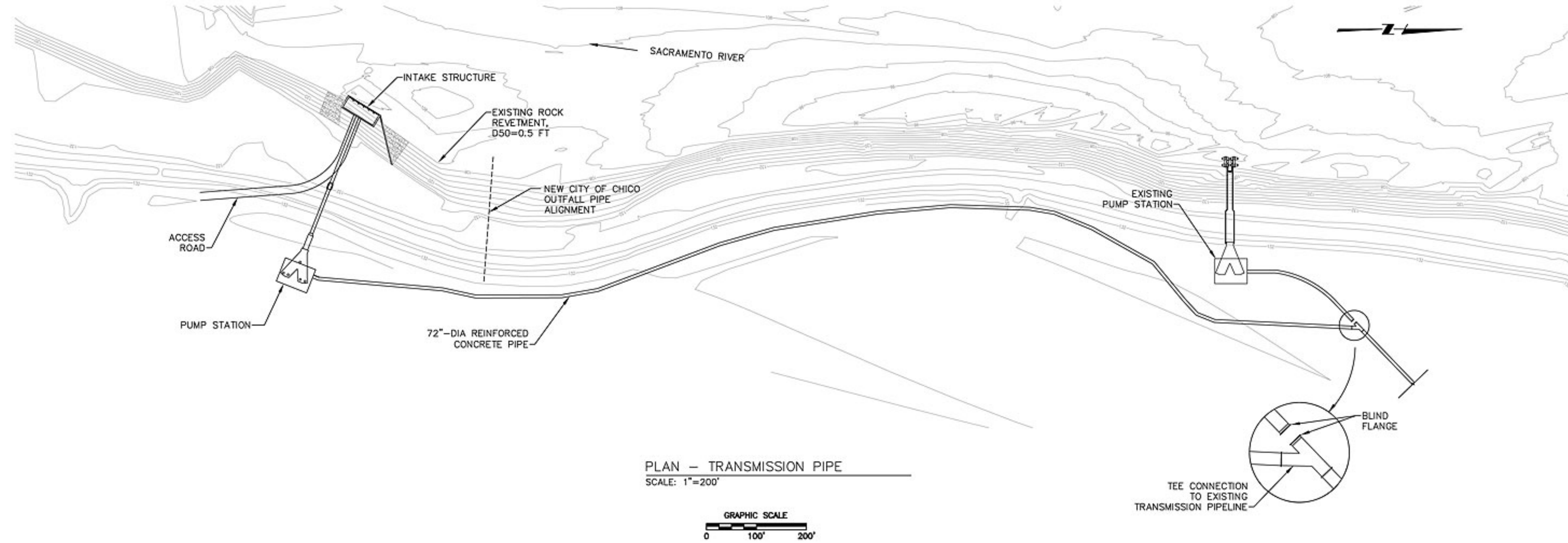


DUCKS UNLIMITED
 M&T RANCH INTAKE IMPROVEMENTS

M&T RANCH INTAKE IMPROVEMENTS
 PUMP RELOCATION
 INTAKE AND PUMP STATION PLAN & PROFILE

FIGURE
 4-2

DATE: Sep 21, 2008 - 9:15am
 USER: David E. Whitbeck
 FILE: \\uss301\Buz20152\Projects\Ducks Unlimited\4-3 Transmission Pipe Plan and Profile.dwg



A
2-2

REV	DATE	BY	DESCRIPTION
07/08			PRELIMINARY NOT FOR CONSTRUCTION

SCALE	AS SHOWN
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DESIGNED	DESIGN
DRAWN	DRAWN
CHECKED	CHECKED

SUBMITTED BY		
(PROJECT MANAGER'S NAME)	LICENSE NO.	DATE
(COMPANY OFFICER'S NAME)	LICENSE NO.	DATE



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 M&T RANCH INTAKE IMPROVEMENTS

M&T RANCH INTAKE IMPROVEMENTS
 PUMP RELOCATION
 TRANSMISSION PIPE PLAN & PROFILE