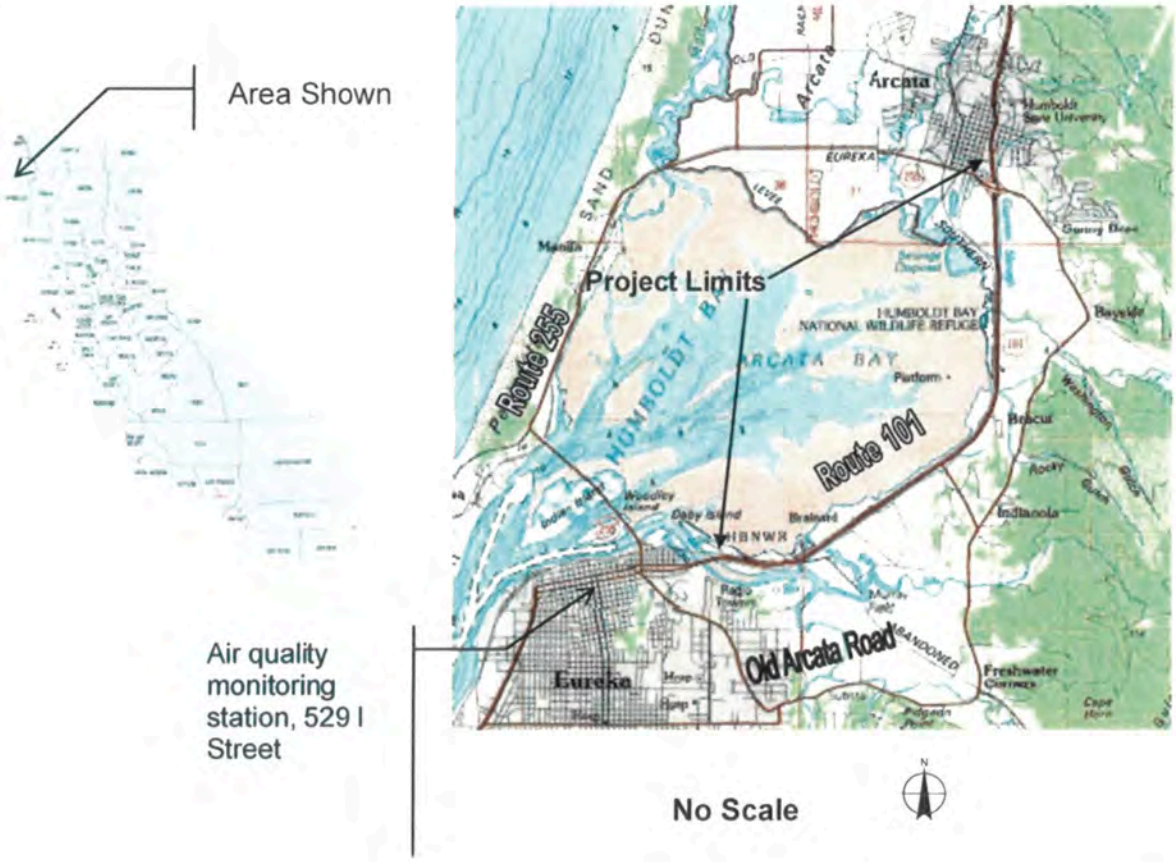


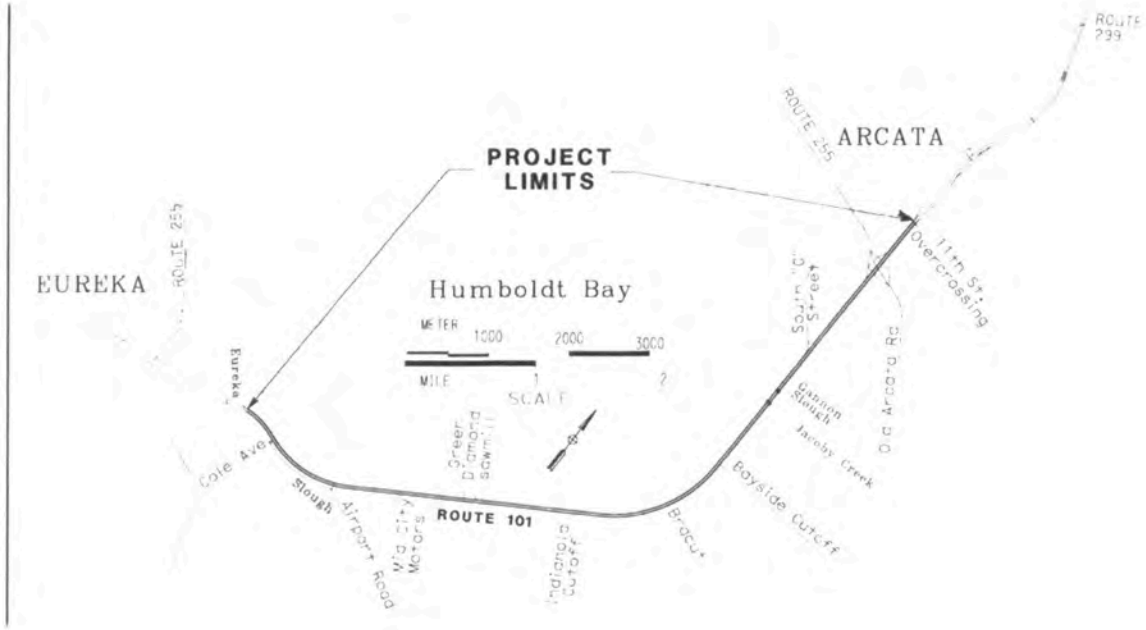


Figure S-1
Project Location Maps

Figure S-2 Aerial Photograph of Project Location

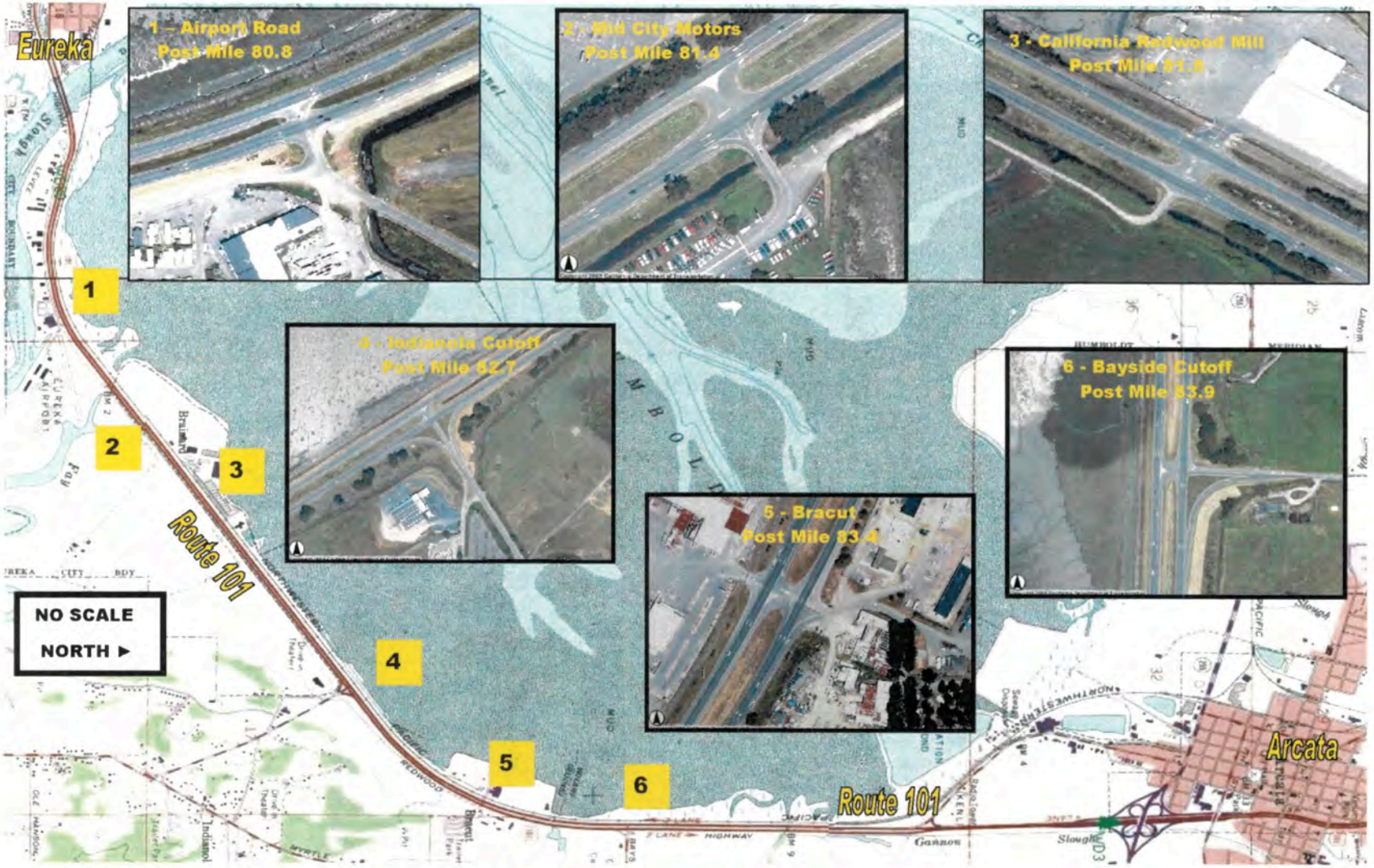
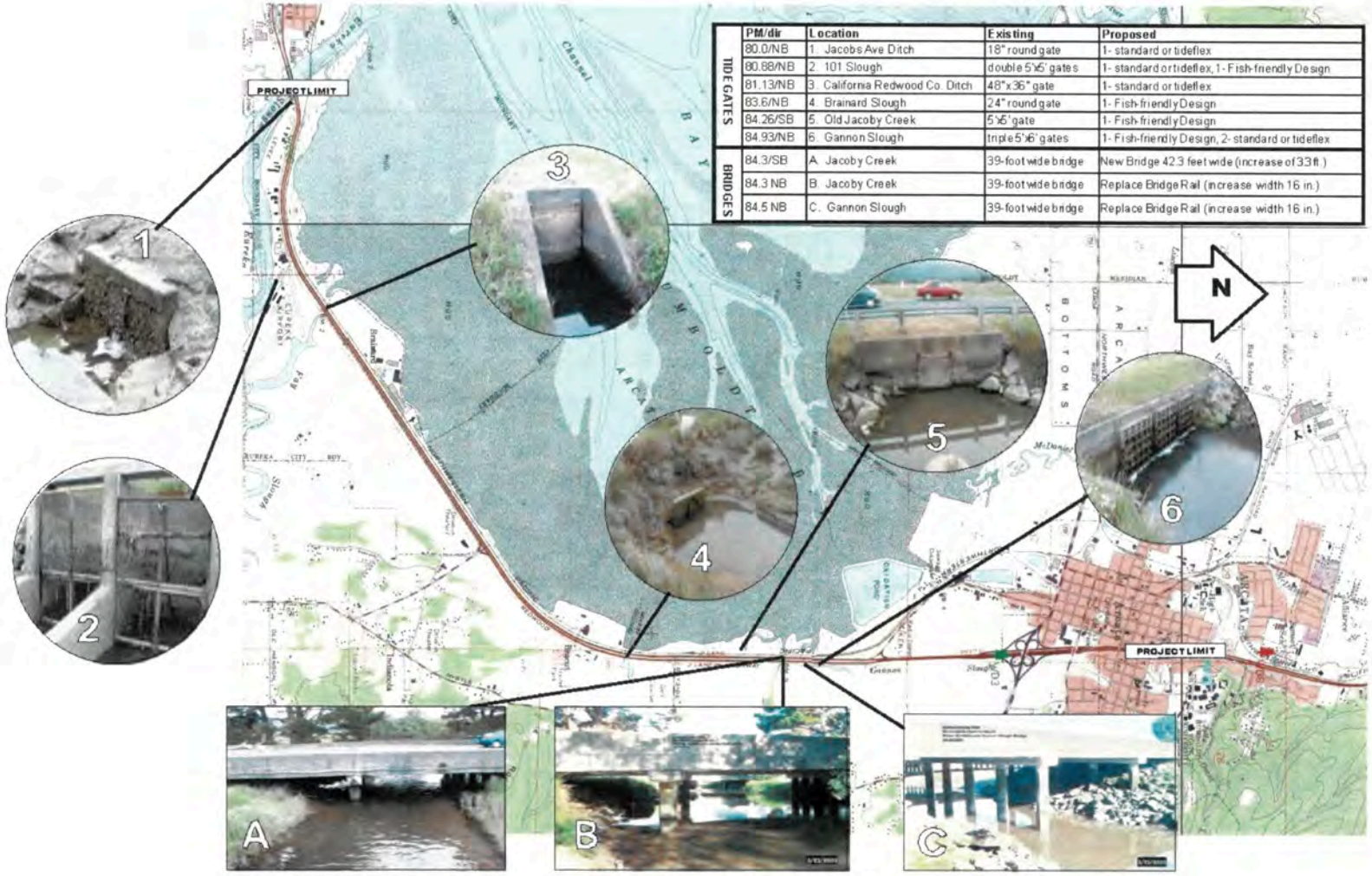
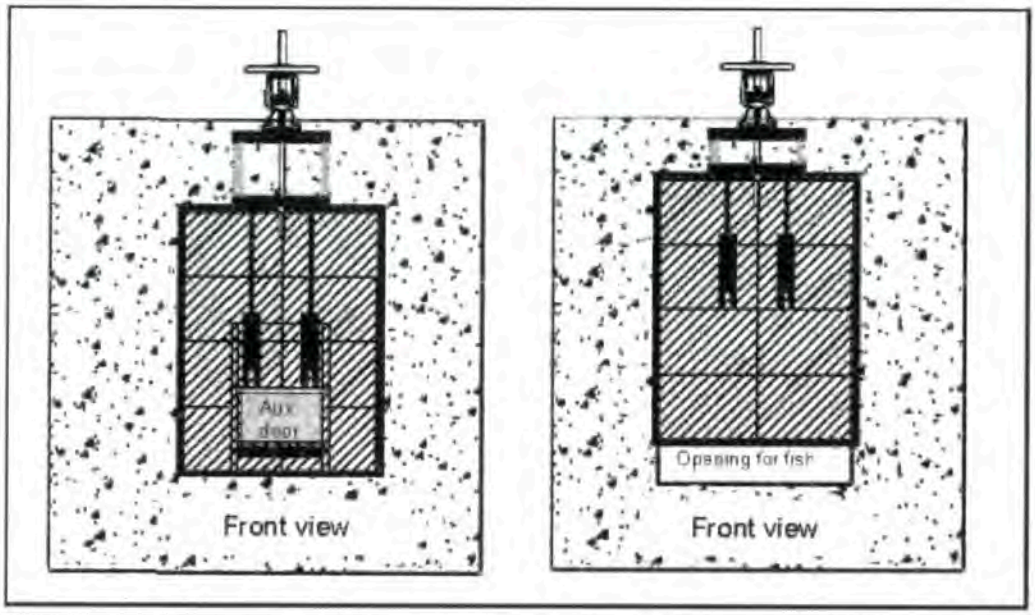


Figure S-3 Route 101 Existing Open Median Locations

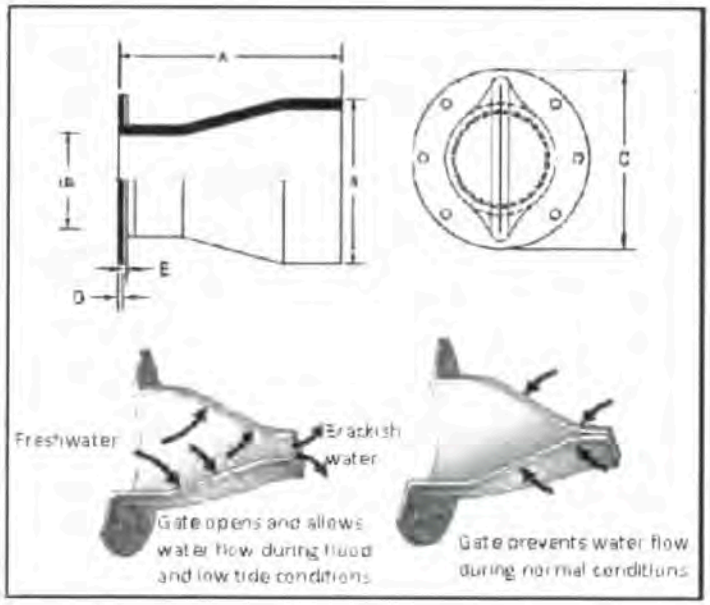


	PM/dir	Location	Existing	Proposed
TIDE GATES	80.0/NB	1. Jacobs Ave Ditch	18" round gate	1- standard or tideflex
	80.88/NB	2. 101 Slough	double 5'x5' gates	1- standard or tideflex, 1- Fish-friendly Design
	81.13/NB	3. California Redwood Co. Ditch	48"x 36" gate	1- standard or tideflex
	83.6/NB	4. Brainard Slough	24" round gate	1- Fish-friendly Design
	84.26/SB	5. Old Jacoby Creek	5'x5' gate	1- Fish-friendly Design
	84.93/NB	6. Gannon Slough	triple 5'x6' gates	1- Fish-friendly Design, 2- standard or tideflex
BRIDGES	84.3/SB	A. Jacoby Creek	39-foot wide bridge	New Bridge 42.3 feet wide (increase of 3.3 ft.)
	84.3 NB	B. Jacoby Creek	39-foot wide bridge	Replace Bridge Rail (increase width 16 in.)
	84.5 NB	C. Gannon Slough	39-foot wide bridge	Replace Bridge Rail (increase width 16 in.)

Figure 2-1 Location of Tide Gates



At some locations, current tide gates will be replaced with gates that are more fish-friendly. At the 101 Slough, 2 styles of top hinged fish-friendly gates are being considered. One has a small adjustable auxiliary door (left). The other has an adjustable gate; the entire gate can be raised or lowered (right). Both styles allow muted tidal flow in both directions and provide better time fish passage opportunities than the current gates. Fish-friendly tide gates at other locations will be side-hinged.



At some locations, current tide gates will be replaced with gates that are lower maintenance than the standard flap gate design. The check valve design (i.e. Tideflex®) is virtually maintenance free, however, it also acts as a fish barrier, especially at low flows.

Figure 2-2 Proposed Tide Gates

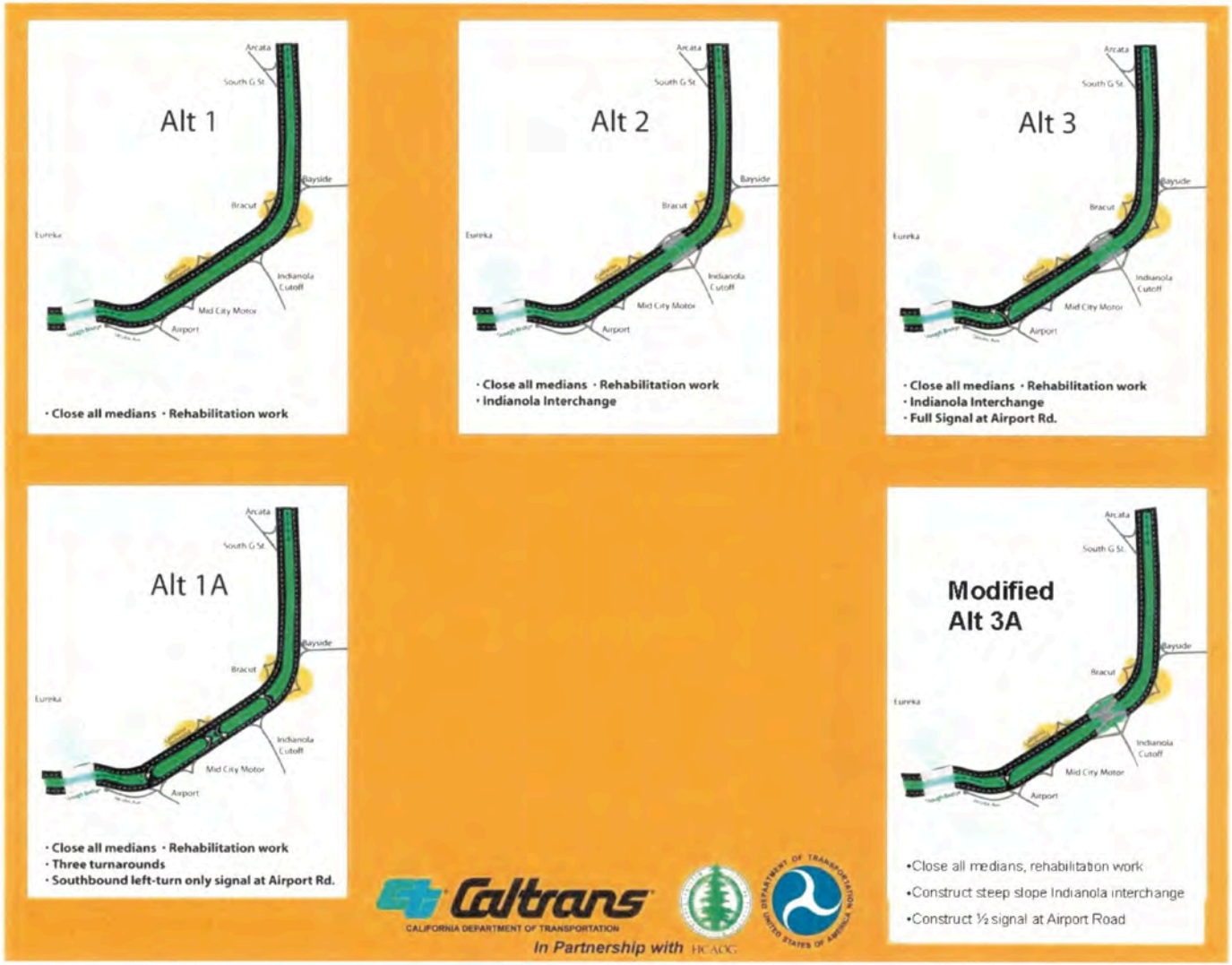


Figure S-4 Overview of Alternatives

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	80.0/87.8		xx

PRELIMINARY XX-XX-18
REGISTERED CIVIL ENGINEER DATE

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WETLAND IMPACTS

SCALE: 1" = 50'

L-1

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USERNAME => s134473
DGN FILE => 0113000094w101.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0312

PROJECT NUMBER & PHASE 0115000092

ASI REVISION DATE PLOTTED => 24-JUL-2018
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	80.0/87.8		xx

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L-2

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USERNAME => s134473
DGN FILE => 0113000094w102.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0312

PROJECT NUMBER & PHASE 0115000092

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00-00-00 TIME PLOTTED => 13:42

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L-3

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RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0312

PROJECT NUMBER & PHASE 0115000092

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00-00-00 TIME PLOTTED => 13:43

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WETLAND IMPACTS

SCALE: 1" = 50'

L-4

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BORDER LAST REVISED 7/2/2010
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UNIT 0312
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WETLAND IMPACTS

SCALE: 1" = 50'

L-6

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DATE REVISED

BORDER LAST REVISED 1/2/2010

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DGN FILE => 0115000094w106.dgn

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UNIT 0312

PROJECT NUMBER & PHASE 0115000092

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WETLAND IMPACTS

SCALE: 1" = 50'

L-8

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LAST REVISION 00-00-00 DATE PLOTTED => 24-JUL-2018 TIME PLOTTED => 13:46

BORDER LAST REVISED 7/2/2010

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RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0312

PROJECT NUMBER & PHASE 0115000092

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PRELIMINARY XX-XX-18
REGISTERED CIVIL ENGINEER DATE

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PLANS APPROVAL DATE

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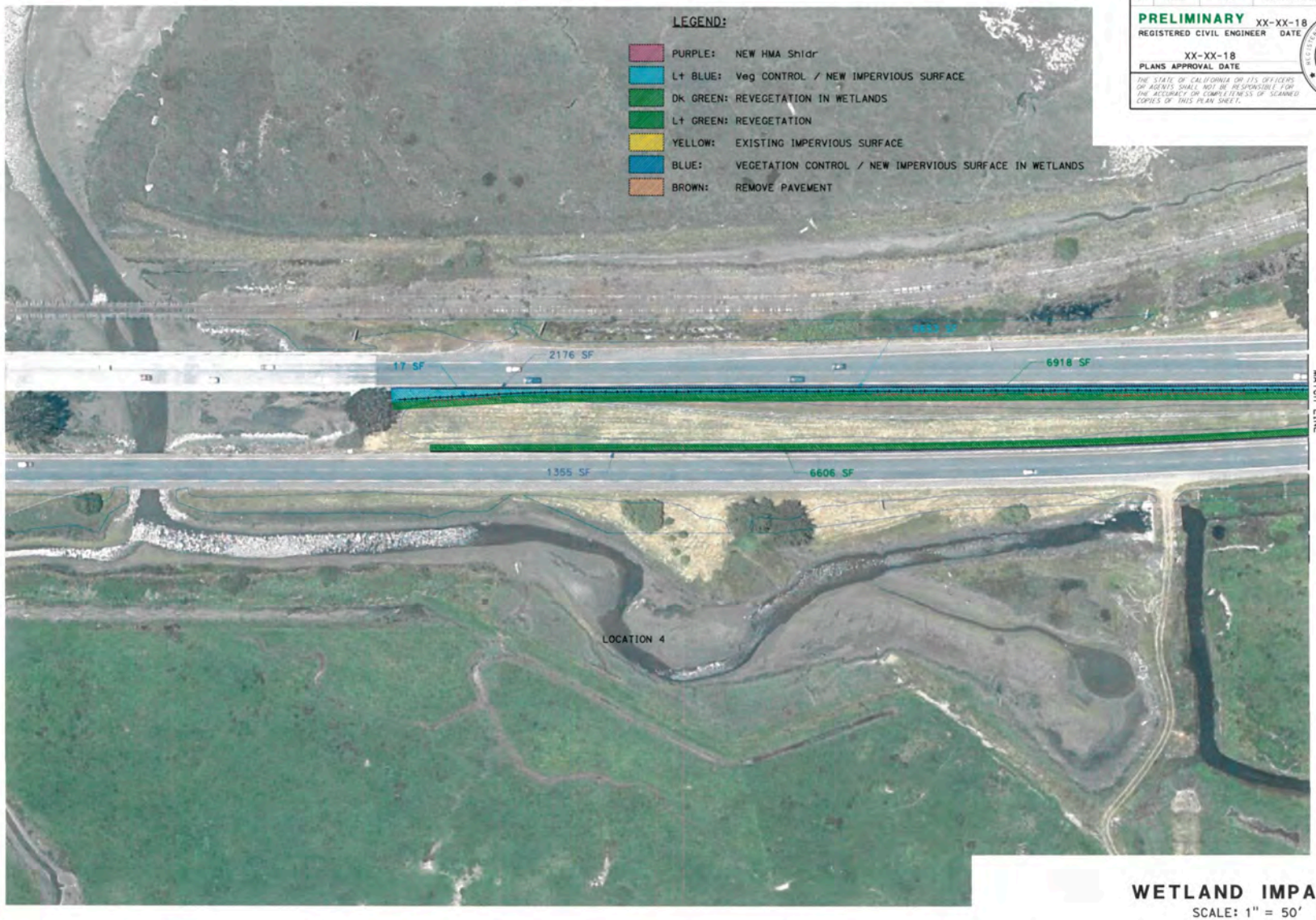

WETLAND IMPACTS

SCALE: 1" = 50'

L-19

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PRELIMINARY

REGISTERED CIVIL ENGINEER XX-XX-18 DATE

PLANS APPROVAL DATE XX-XX-18

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DATE REVISED

BORDER LAST REVISED 7/2/2010

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UNIT 0312

PROJECT NUMBER & PHASE 0115000092

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PLANS APPROVAL DATE

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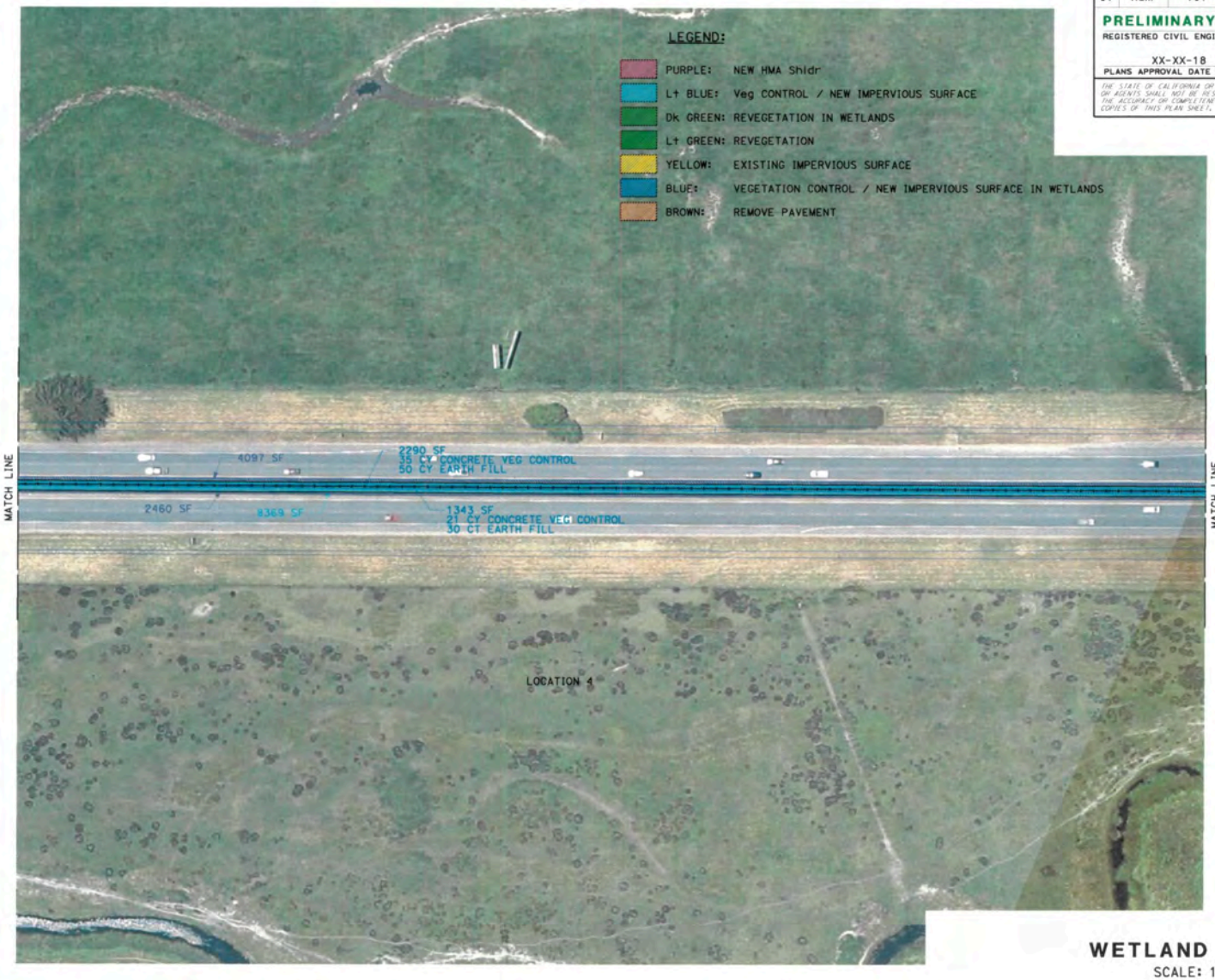

WETLAND IMPACTS

SCALE: 1" = 50'

L-21

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DATE REVISED

LAST REVISION DATE PLOTTED => 24-JUL-2018
TIME PLOTTED => 13:53

00-00-00

BORDER LAST REVISED 7/2/2010

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RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0312

PROJECT NUMBER & PHASE 0115000092

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	80.0/87.8		xx

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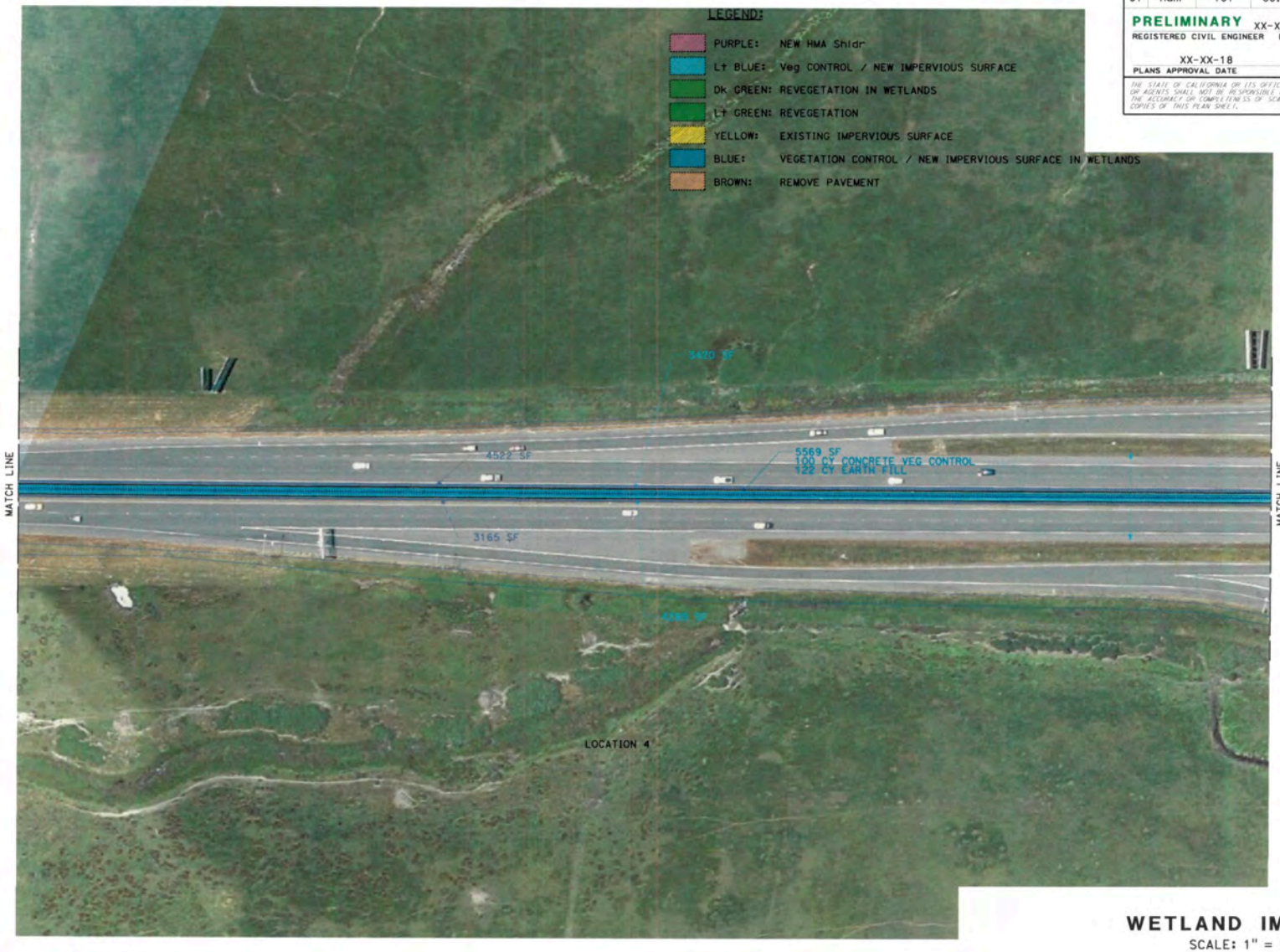

WETLAND IMPACTS

SCALE: 1" = 50'

L-22

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DATE REVISED

BORDER LAST REVISED 7/2/2010
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UNIT 0312
PROJECT NUMBER & PHASE 0115000092
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00-00-00 TIME PLOTTED => 13:55

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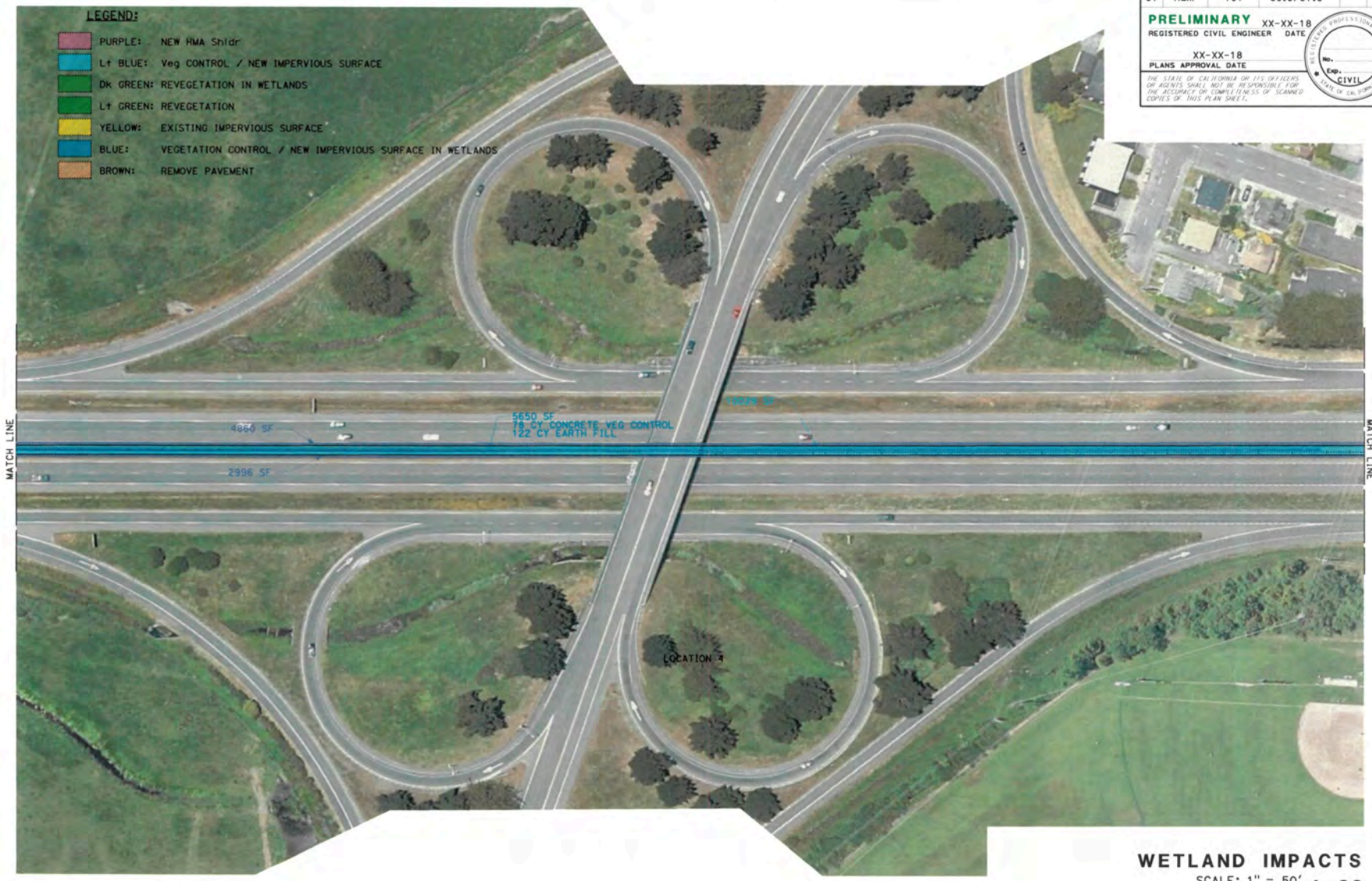

WETLAND IMPACTS

SCALE: 1" = 50'

L-23

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	GINNY SEIBERT	

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	80.0/87.8		xx

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WETLAND IMPACTS

SCALE: 1" = 50'

L-24

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DATE REVISED

BORDER LAST REVISED 7/27/2010
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UNIT 0312
PROJECT NUMBER & PHASE 0115000092
DATE PLOTTED => 24-JUL-2018
TIME PLOTTED => 13:58
00-00-00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	80.0/87.8		xx

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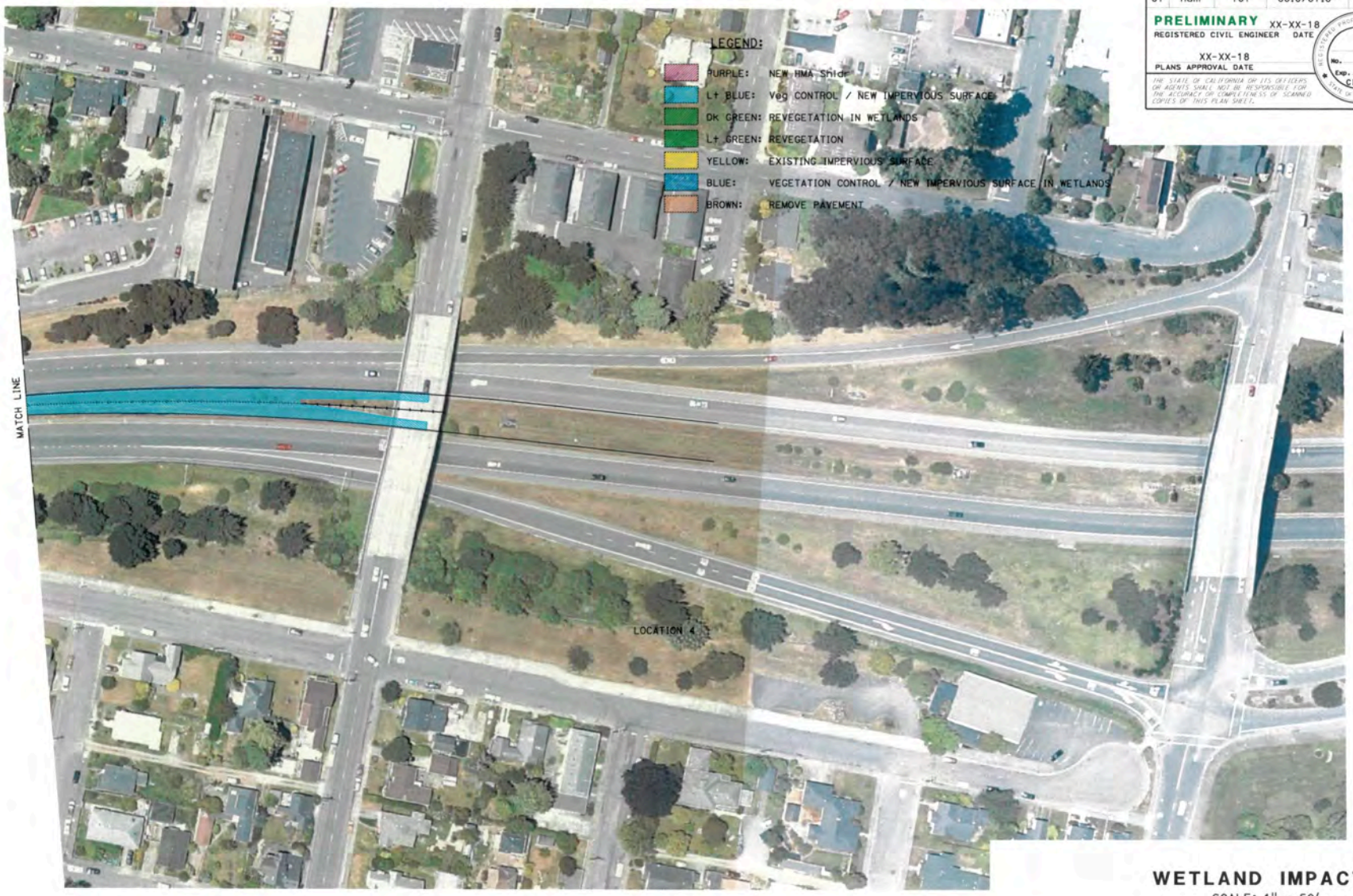

WETLAND IMPACTS

SCALE: 1" = 50' **L-25**

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RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0312

PROJECT NUMBER & PHASE 0115000092

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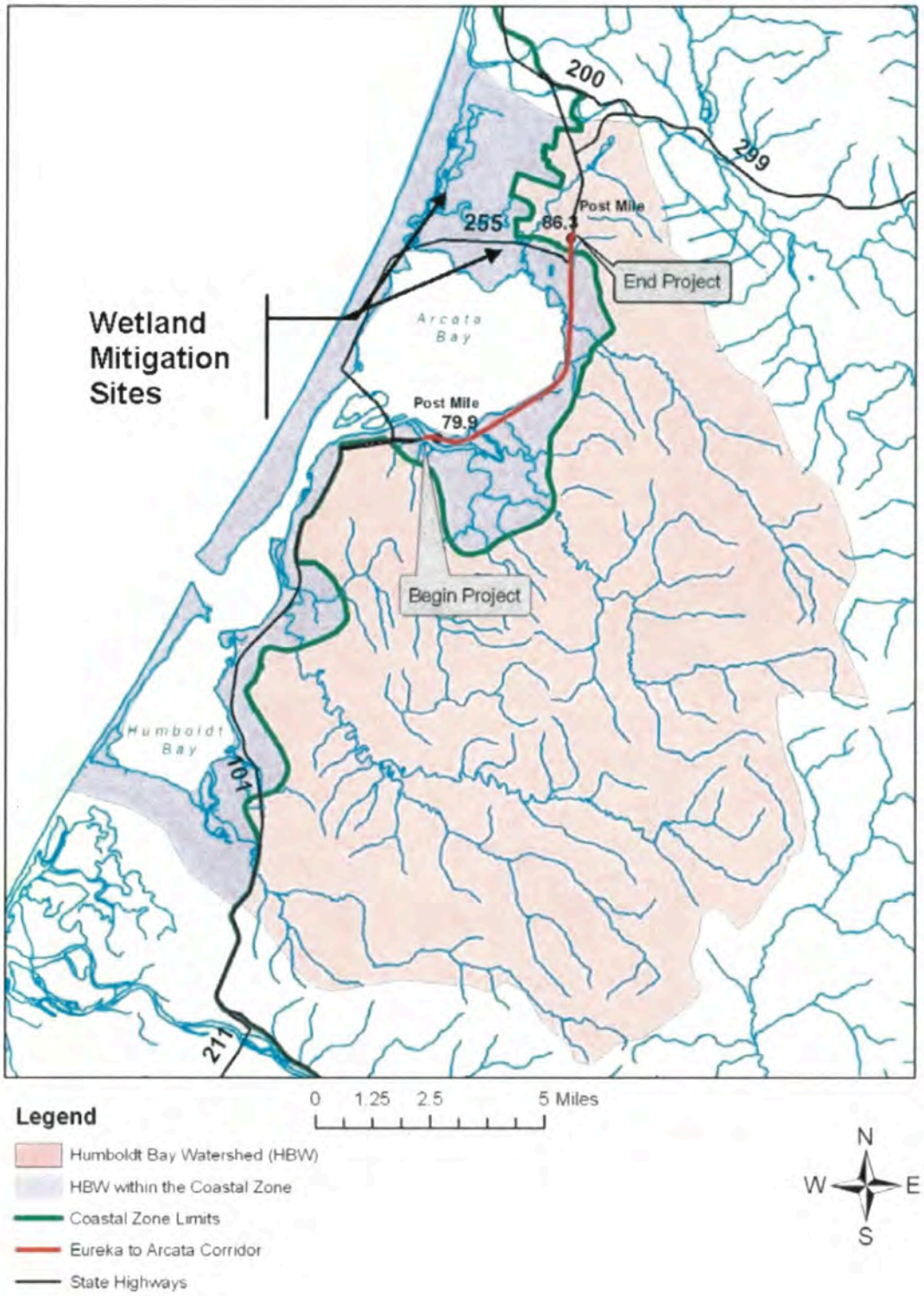
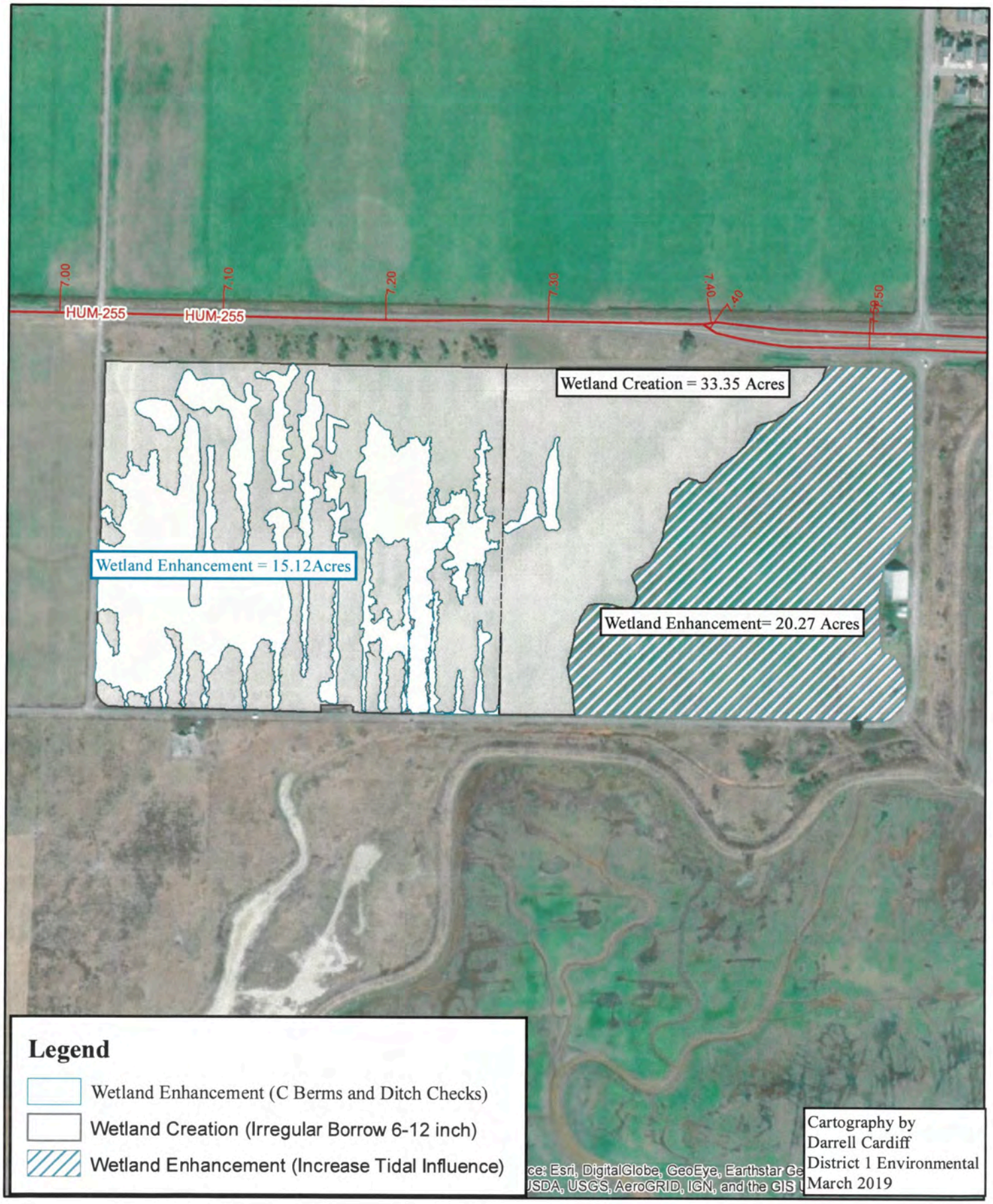


Figure 3-27 Humboldt Bay Coastal Zone Map

Figure 3-29 Wetland Mitigation Location Map

01-HUM-255

Mitigation for Eureka - Arcata Corridor
Samoa Parcel
Proposed Wetland Creation/ Enhancements



1:5,000

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N
W E