Willits Bypass Project
Mitigation and Monitoring Proposal



Appendices E and F

U.S. Highway 101

Mendocino County, near the City of Willits, California

PM 43.1-52.3

01-26200

USACE file no. 1991-194740N

January 2012

Caltrans
CALIFORNIA DEPARTMENT OF TRANSPORTATION

Appendix E
Design Plans for Offsite Mitigation

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	34.9/35.0, 43.7/43.9		

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PP1-PP5	PLANTING PLANS
GD1	CONTOUR GRADING DETAIL
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DD1-DD18	DRAINAGE DETAILS
ECS1-ECS7	EROSION CONTROL SCHEDULE
PL1-PL12	PLANT LIST
PD1	PLANTING DETAIL

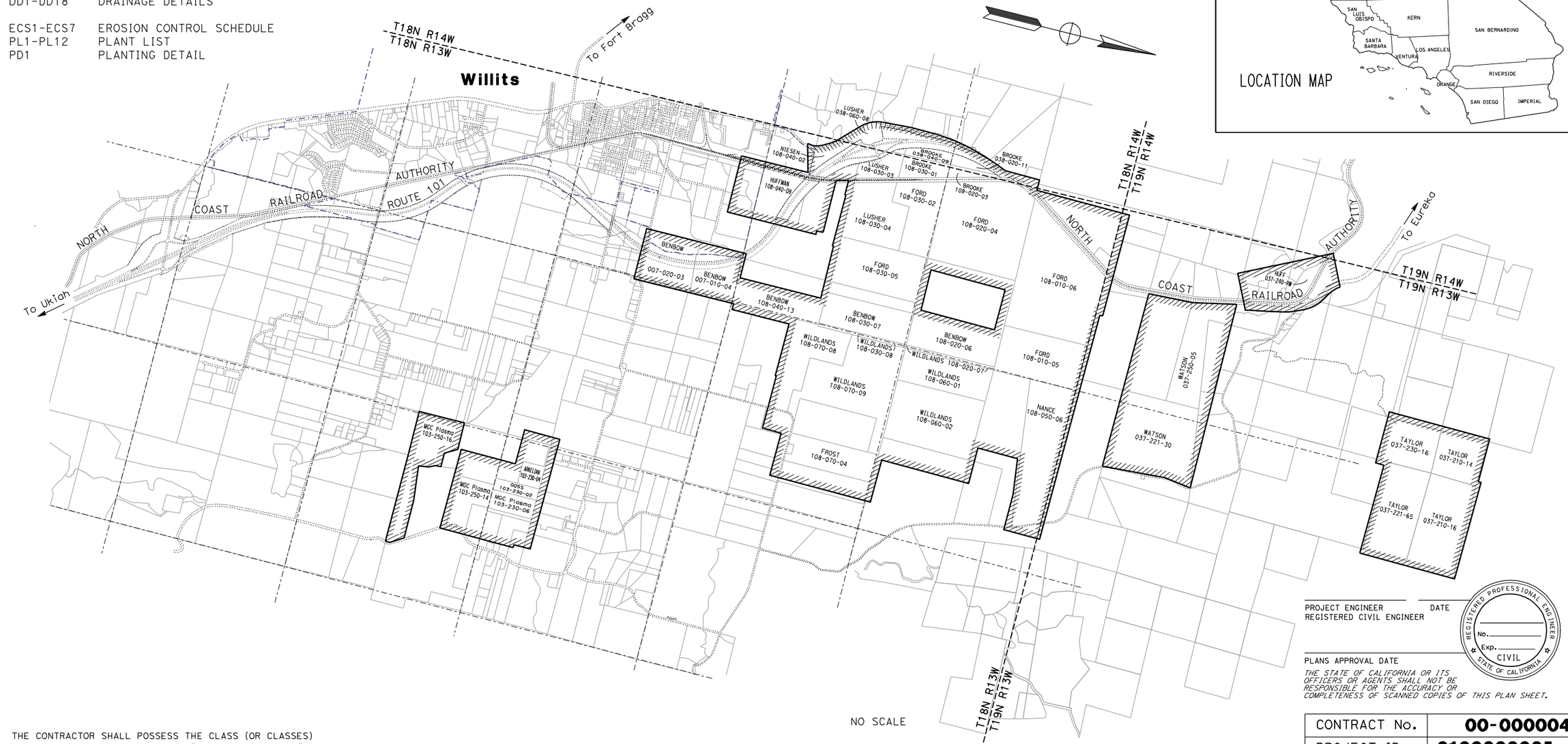
STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ADJACENT TO STATE HIGHWAY

IN MENDOCINO COUNTY NEAR WILLITS FROM 1.2 MILES NORTH OF HAEHL ROAD OVERCROSSING TO 0.8 MILES NORTH OF REYNOLDS HIGHWAY

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



NO SCALE



LOCATION MAP

PROJECT MANAGER	DAVID G. KELLEY
DESIGN ENGINEER	DOUGLAS S. JONES

PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
No.
Exp.
CIVIL
STATE OF CALIFORNIA

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CONTRACT No.	00-000004
PROJECT ID	0100000005

LAST REVISION 09-29-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 12:54

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

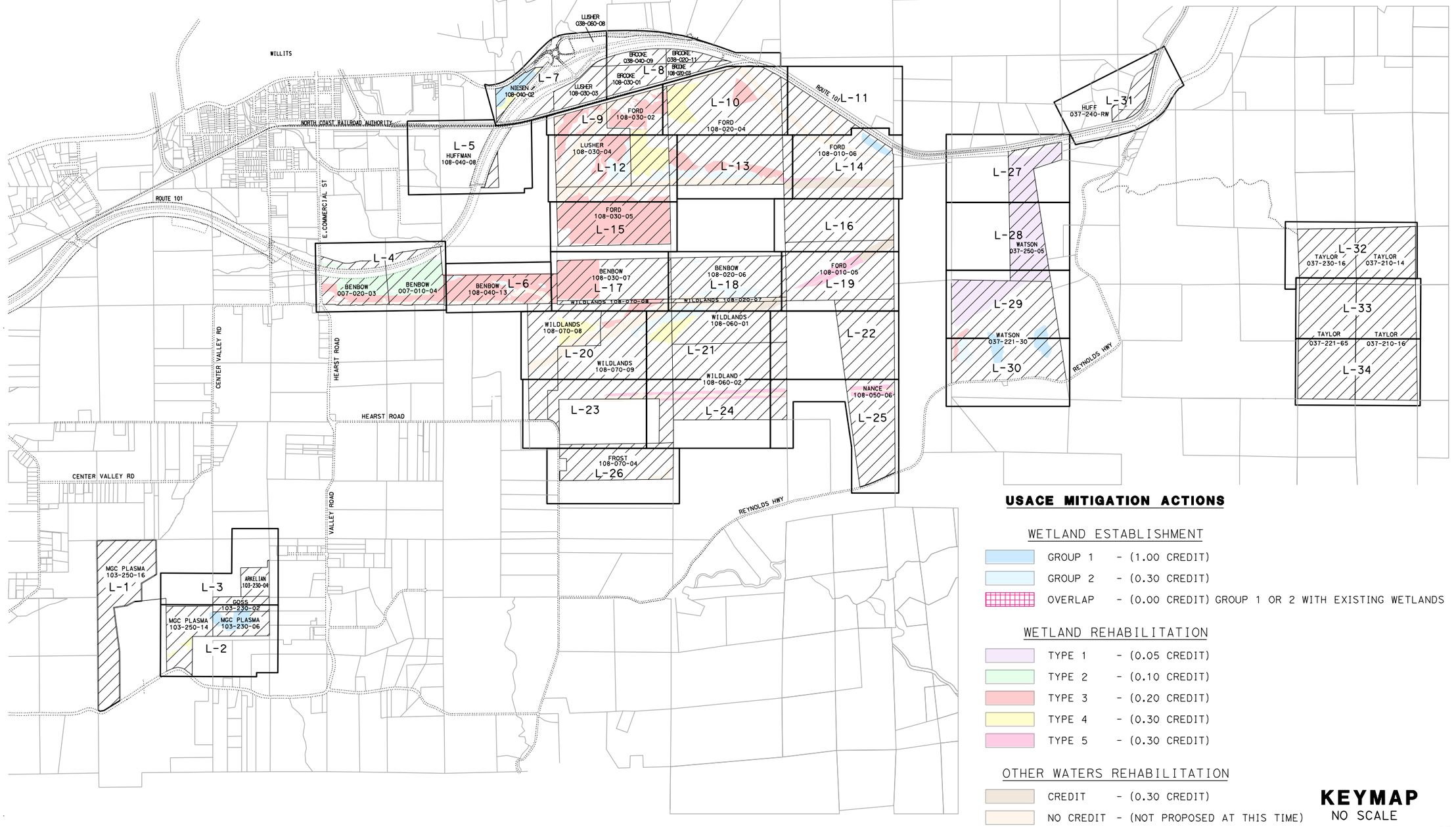
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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USACE MITIGATION ACTIONS

WETLAND ESTABLISHMENT

- GROUP 1 - (1.00 CREDIT)
- GROUP 2 - (0.30 CREDIT)
- OVERLAP - (0.00 CREDIT) GROUP 1 OR 2 WITH EXISTING WETLANDS

WETLAND REHABILITATION

- TYPE 1 - (0.05 CREDIT)
- TYPE 2 - (0.10 CREDIT)
- TYPE 3 - (0.20 CREDIT)
- TYPE 4 - (0.30 CREDIT)
- TYPE 5 - (0.30 CREDIT)

OTHER WATERS REHABILITATION

- CREDIT - (0.30 CREDIT)
- NO CREDIT - (NOT PROPOSED AT THIS TIME)

KEYMAP
NO SCALE

K-1

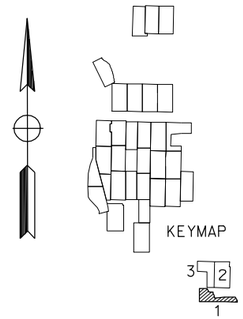
CALCULATED-DESIGNED BY			
CHECKED BY	VINCENT MITCHELL		
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES		
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	Caltrans® 03-DESIGN EAST		

LAST REVISION 08-02-10 | DATE PLOTTED => 02-JAN-2012 | TIME PLOTTED => 16:19

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => 002-KEYMAP.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

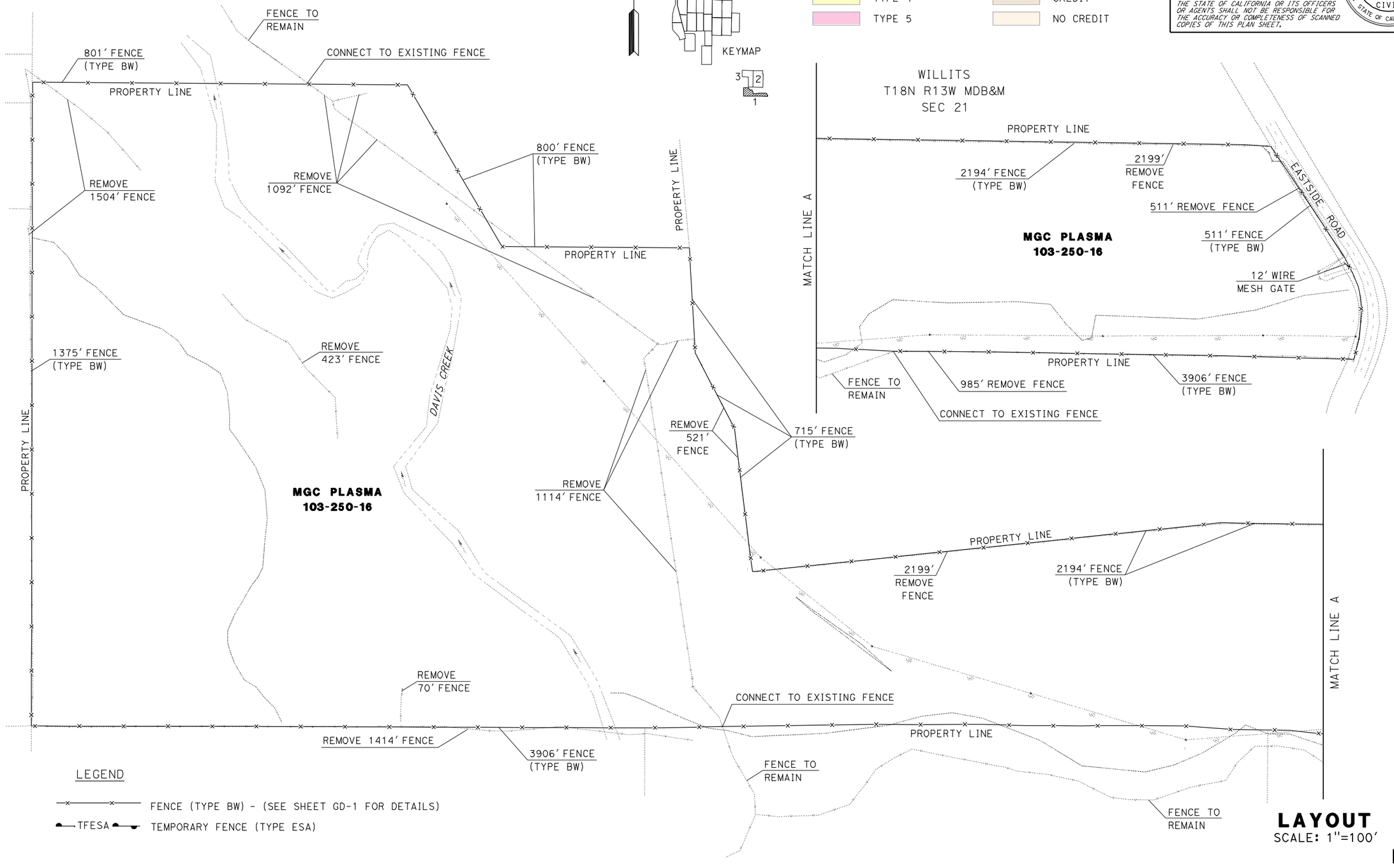
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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LEGEND

FENCE (TYPE BW) - (SEE SHEET GD-1 FOR DETAILS)

TFESA TEMPORARY FENCE (TYPE ESA)

LAYOUT

SCALE: 1"=100'

L-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03-DESIGN EAST

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

CALCULATED-DESIGNED BY | CHECKED BY

VINCENT MITCHELL

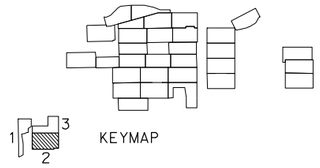
REVISED BY | DATE REVISED

LAST REVISION 12-29-11 | DATE PLOTTED => 02-JAN-2012 | TIME PLOTTED => 16:19

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NOTES:

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3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T18N R13W MDB&M
SEC 21

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

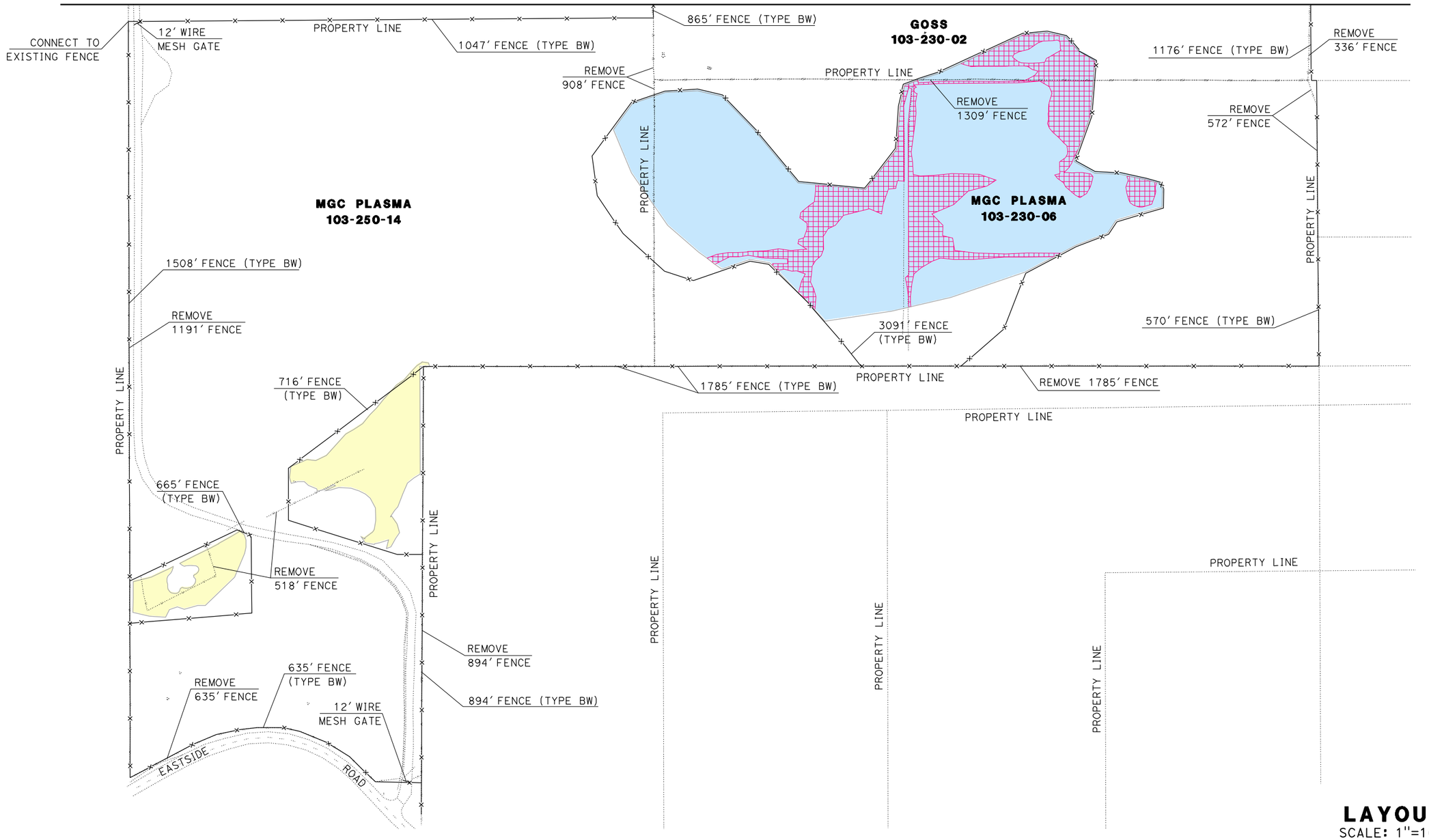
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

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LAYOUT
SCALE: 1"=100'

L-2

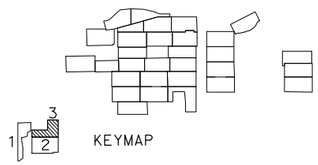
VINCENT MITCHELL		REVISED BY	DATE REVISED
CALCULATED-DESIGNED BY	CHECKED BY		
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES		
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	Caltrans® 03-DESIGN EAST		

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:19

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout02.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

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3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T18N R13W MDB&M
SEC 21

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

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MATCH LINE A

MATCH LINE A

REMOVE 623' FENCE

REMOVE 835' FENCE

810' FENCE (TYPE BW)

PROPERTY LINE

REMOVE 885' FENCE

ARKELIAN
103-230-04

PROPERTY LINE

PROPERTY LINE

668' FENCE (TYPE BW)

1176' FENCE (TYPE BW)

REMOVE 1332' FENCE

865' FENCE (TYPE BW)

GOSS
103-230-02

REMOVE 908' FENCE

REMOVE 336' FENCE

MATCH LINE SHEET L-2

LAYOUT
SCALE: 1"=100'

L-3

REVISED BY	DATE REVISED
VINCENT MITCHELL	
CALCULATED-DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	
DOUGLAS S. JONES	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
03-DESIGN EAST

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:19

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout03.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

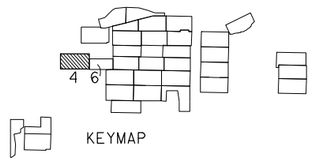
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

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NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T18N R13W MDB&M
SEC 7, 8, 17 & 18

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

BROADDUS CREEK
ROW
EAST COMMERCIAL ST.
2675' FENCE (TYPE BW)
BAECHTEL CREEK
12' WIRE MESH GATE
REMOVE 759' FENCE
CONNECT TO EXISTING FENCE
ROW
REMOVE 2048' FENCE
CITY BOUNDARY
REMOVE 173' FENCE
FENCE TO BE REMOVED BY OTHERS
CONNECT TO EXISTING FENCE
ROW
553' FENCE (TYPE BW)
REMOVE 418' FENCE
EXISTING FENCE TO REMAIN
ROUTE 101
CONNECT TO EXISTING FENCE
FENCE TO BE REMOVED BY OTHERS
FENCE TO BE REMOVED BY OTHERS
FENCE TO BE REMOVED BY OTHERS
PROPERTY LINE
REMOVE 533' FENCE
ROW
1298' FENCE (TYPE BW)
EXISTING FENCE TO REMAIN
2630' FENCE (TYPE BW)
BENBOW
007-010-04
12' WIRE MESH GATE
BENBOW
007-020-03
PROPERTY LINE
PROPERTY LINE
REMOVE 2134' FENCE
REMOVE 682' FENCE
REMOVE 2610' FENCE
REMOVE 943' FENCE
BENBOW 108-040-13
MATCH LINE SHEET L-6
PROPERTY LINE
PROPERTY LINE
PROPERTY LINE
PROPERTY LINE
PROPERTY LINE
2785' FENCE (TYPE BW)
REMOVE 2759' FENCE
1926' FENCE (TYPE BW)

LAYOUT
SCALE: 1"=100'

L-4

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: VINCENT MITCHELL
CHECKED BY:
FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

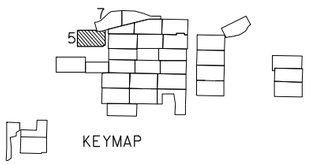
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
03-DESIGN EAST

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:19

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout04.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

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3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T18N R13W MDB&M
SEC 7

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

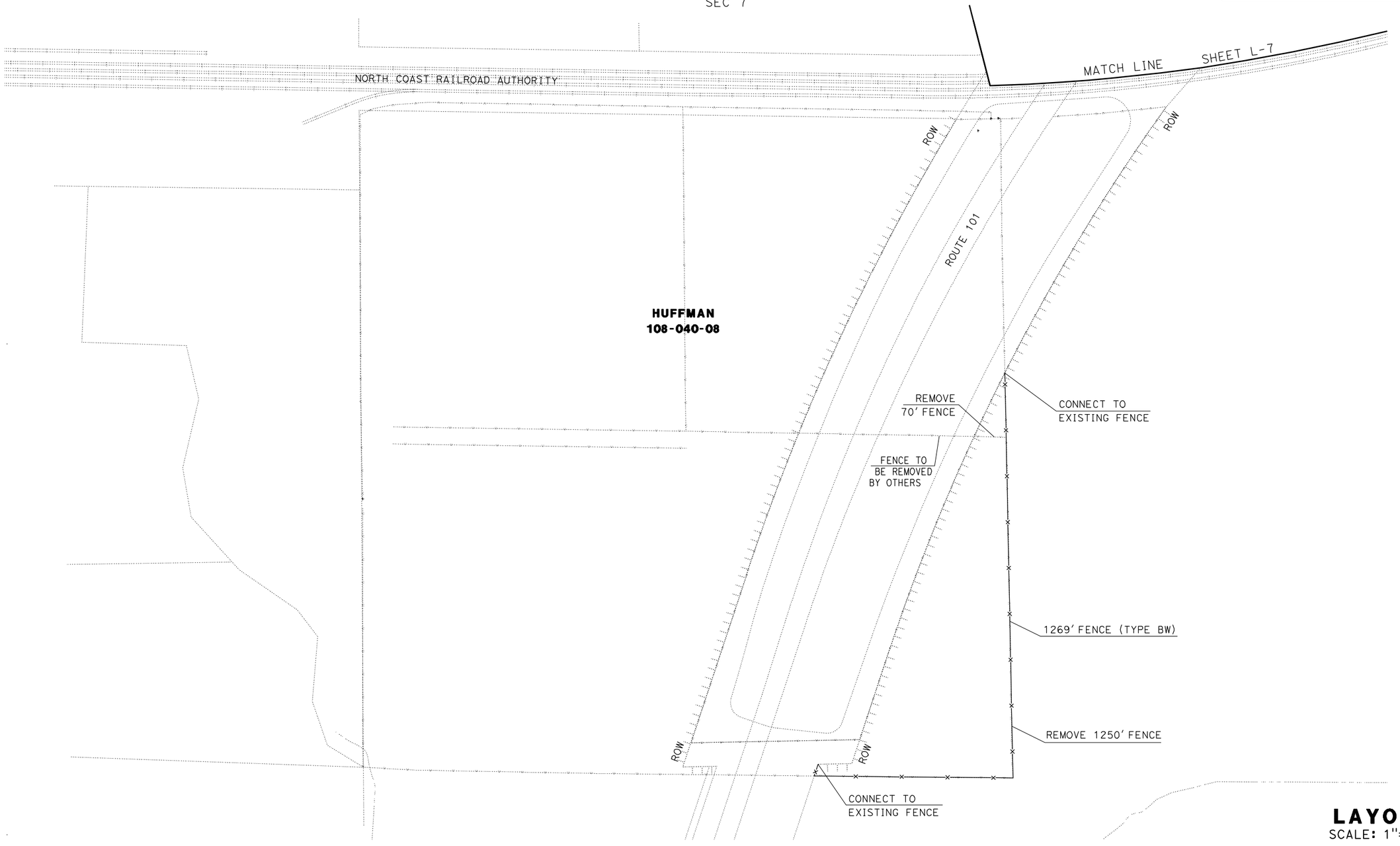
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

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LAYOUT
SCALE: 1"=100'

L-5

REVISED BY	DATE REVISED

VINCENT MITCHELL
CALCULATED-DESIGNED BY
CHECKED BY

FUNCTIONAL SUPERVISOR
DOUGLAS S. JONES

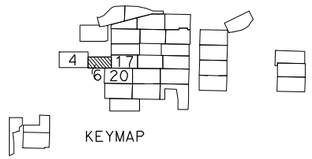
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LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:20

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout05.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

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KEYMAP

WILLITS
T18N R13W MDB&M
SEC 7 & 8

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

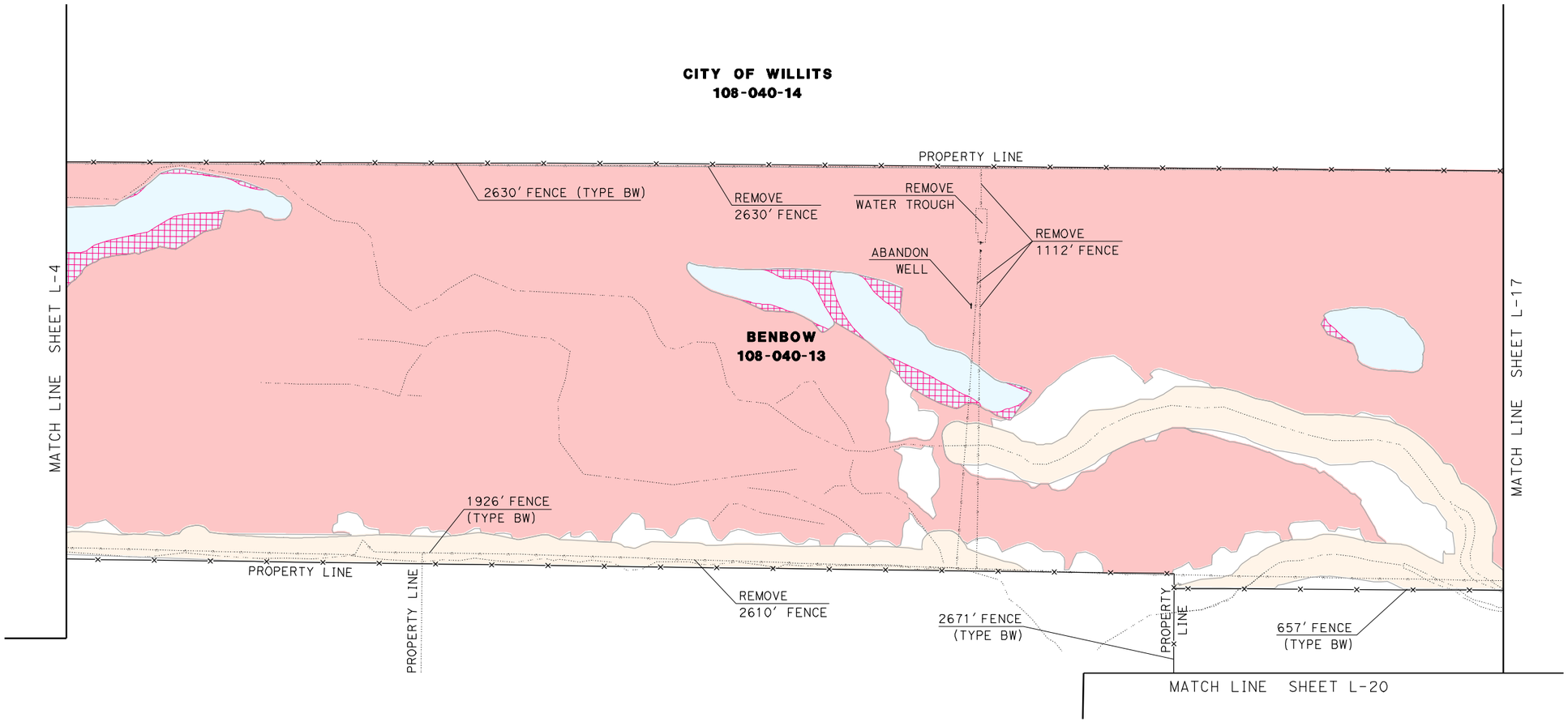
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01	Men	101	43.7/43.9		

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PLANS APPROVAL DATE

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LAYOUT
SCALE: 1"=100'

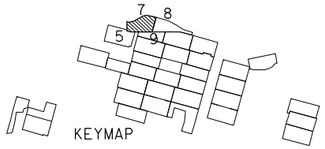
L-6

CALCULATED-DESIGNED BY		VINCENT MITCHELL			
CHECKED BY					
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES	REVISED BY	DATE REVISED	LAST REVISION	DATE PLOTTED => 02-JAN-2012
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	03-DESIGN EAST			12-29-11	TIME PLOTTED => 16:20

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NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
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KEYMAP

WILLITS
T18N R13 & 14W MDB&M
SEC 7 & 12

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

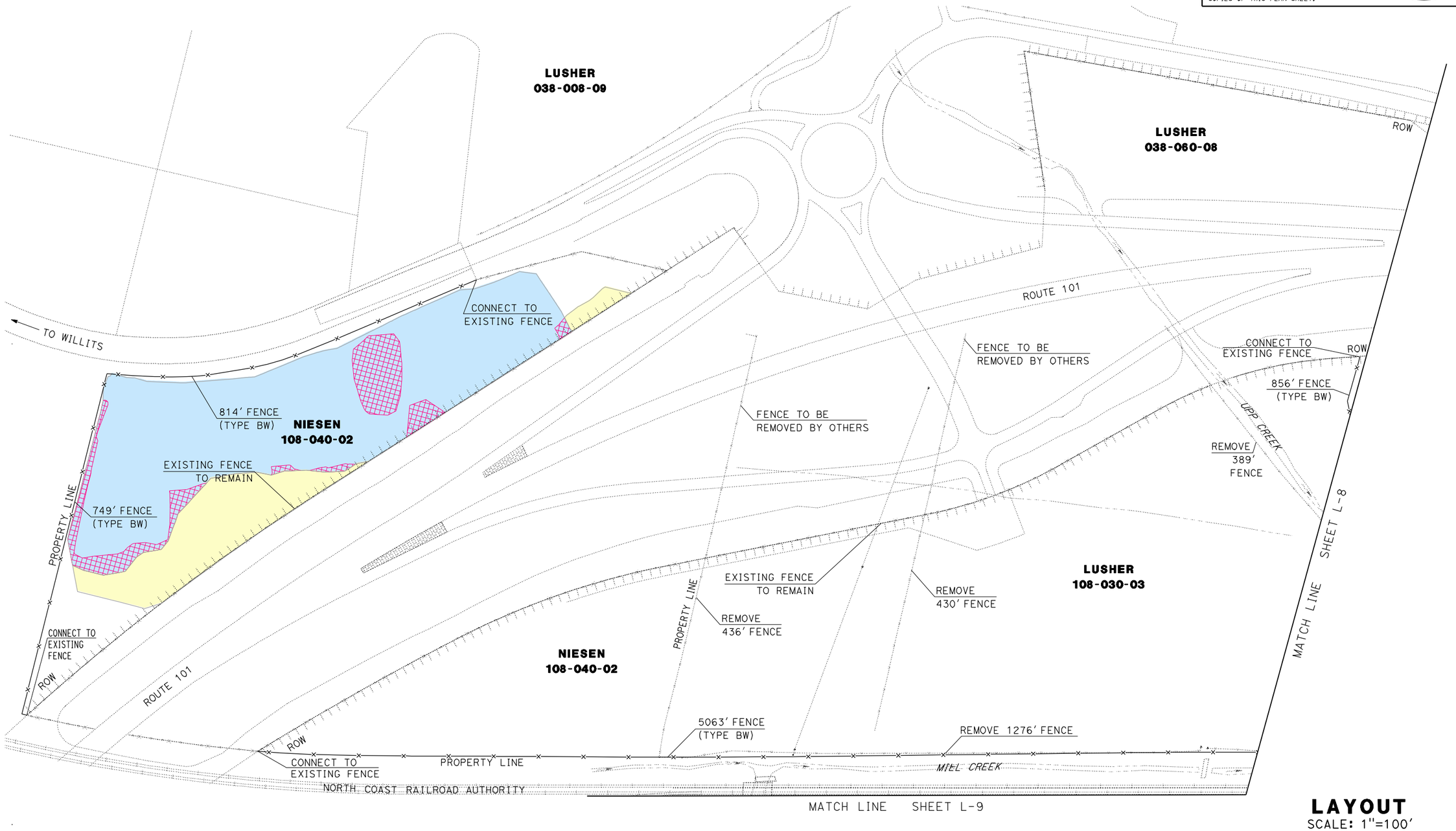
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LAYOUT

SCALE: 1"=100'

L-7

REVISED BY	DATE REVISED

CALCULATED-
DESIGNED BY

VINCENT MITCHELL

CHECKED BY

FUNCTIONAL SUPERVISOR

DOUGLAS S. JONES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans®

03-DESIGN EAST

LAST REVISION 12-29-11

DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:20

BORDER LAST REVISED 7/1/2010

USERNAME => s114430
DGN FILE => Layout07.dgn

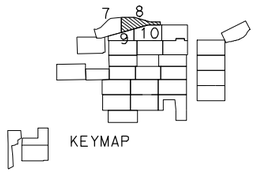
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0307

PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
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WILLITS
T18N R13 & 14W MDB&M
SEC 7 & 12

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

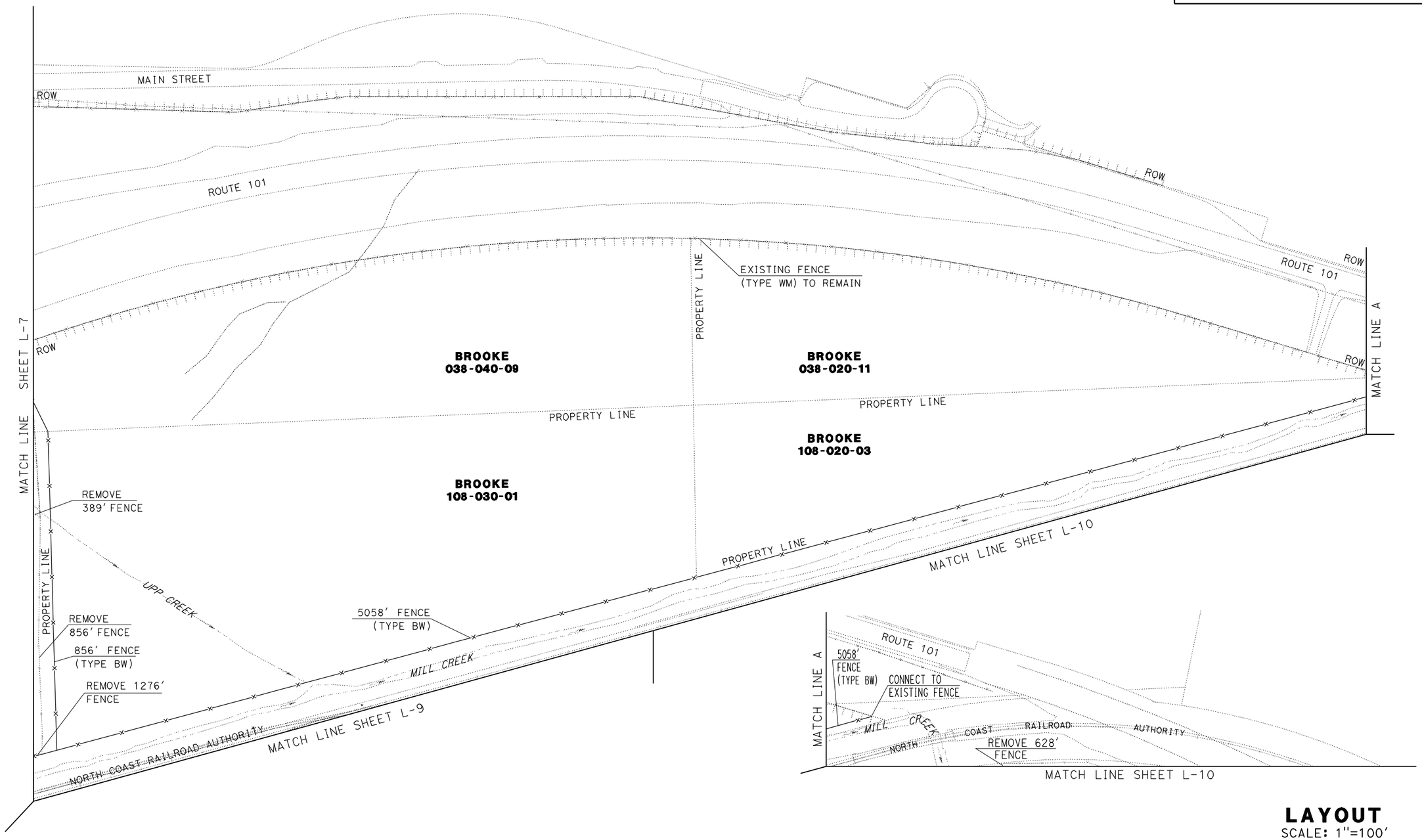
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LAYOUT
SCALE: 1"=100'

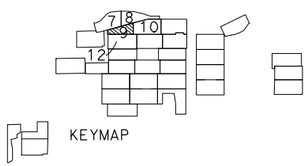
L-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
03-DESIGN EAST
FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES
CALCULATED-DESIGNED BY
CHECKED BY
VINCENT MITCHELL
REVISED BY
DATE REVISED

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:20

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



WILLITS
T18N R13 & 14W MDB&M
SEC 1 & 6

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

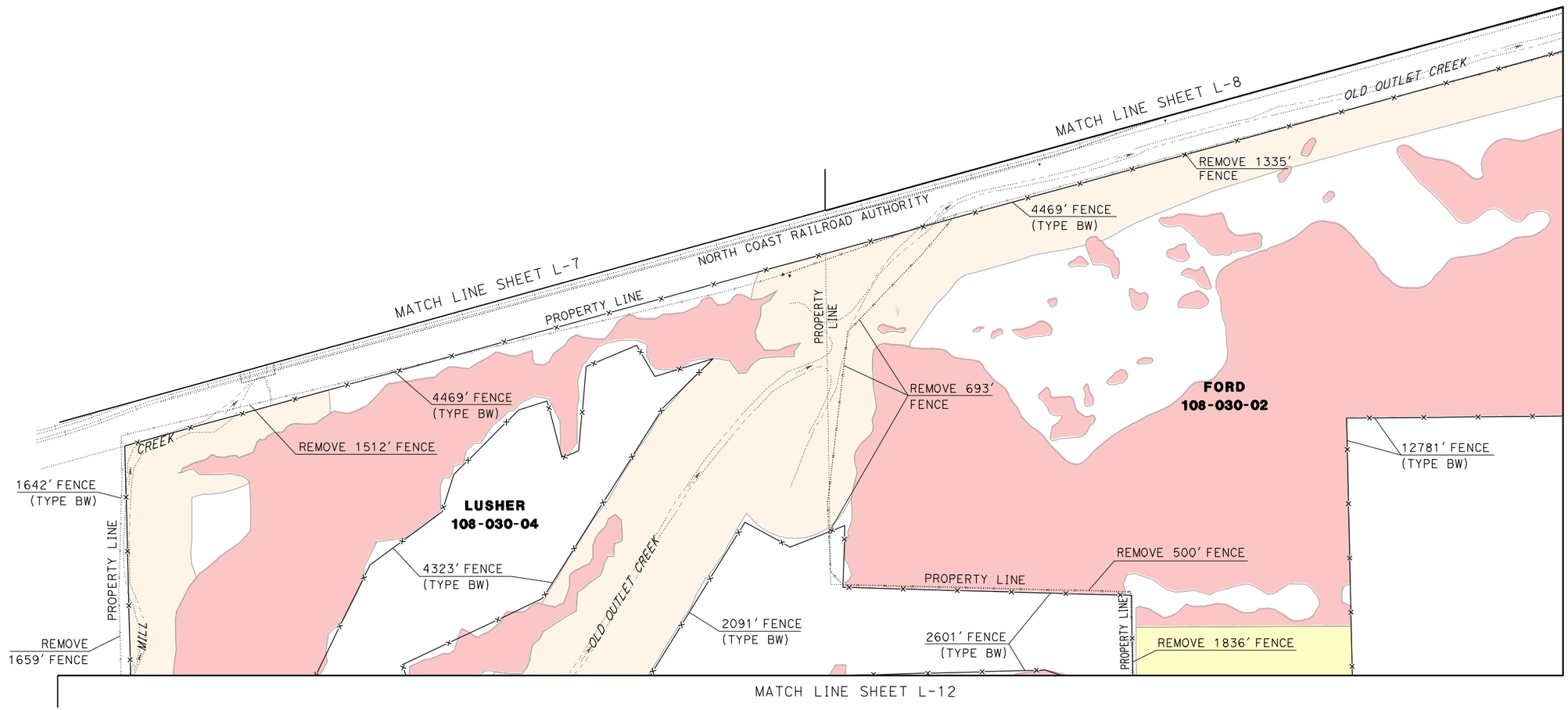
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



LAYOUT
SCALE: 1"=100'

L-9

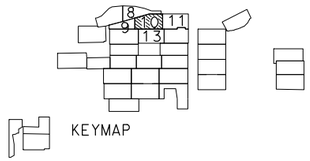
VINCENT MITCHELL	CALCULATED-DESIGNED BY
	CHECKED BY
	REVISED BY
	DATE REVISED
DOUGLAS S. JONES	FUNCTIONAL SUPERVISOR
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	Caltrans® 03-DESIGN EAST

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:21

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout09.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T18N R13 & 14W MDB&M
SEC 1, 6, 7 & 12

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

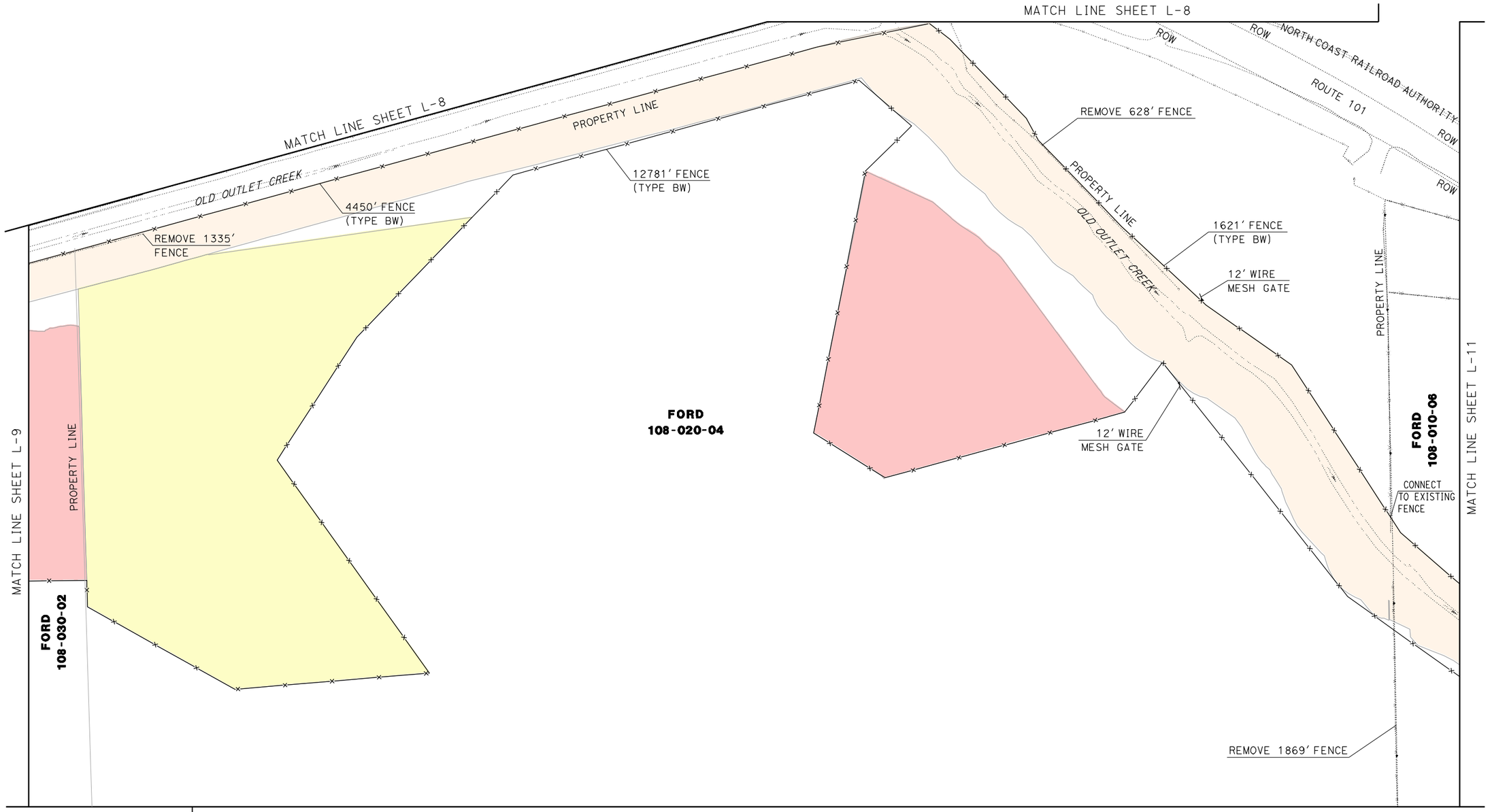
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. — Exp. — CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



LAYOUT
SCALE: 1"=100'

L-10

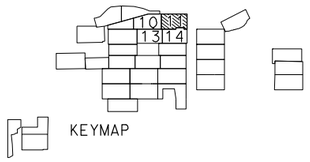
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION			
Caltrans	03-DESIGN EAST	FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES
CALCULATED-DESIGNED BY		CHECKED BY	
VINCENT MITCHELL			
REVISED BY		DATE REVISED	

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:21

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout10.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T18 & 19N R13W MDB&M
SEC 6 & 31

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

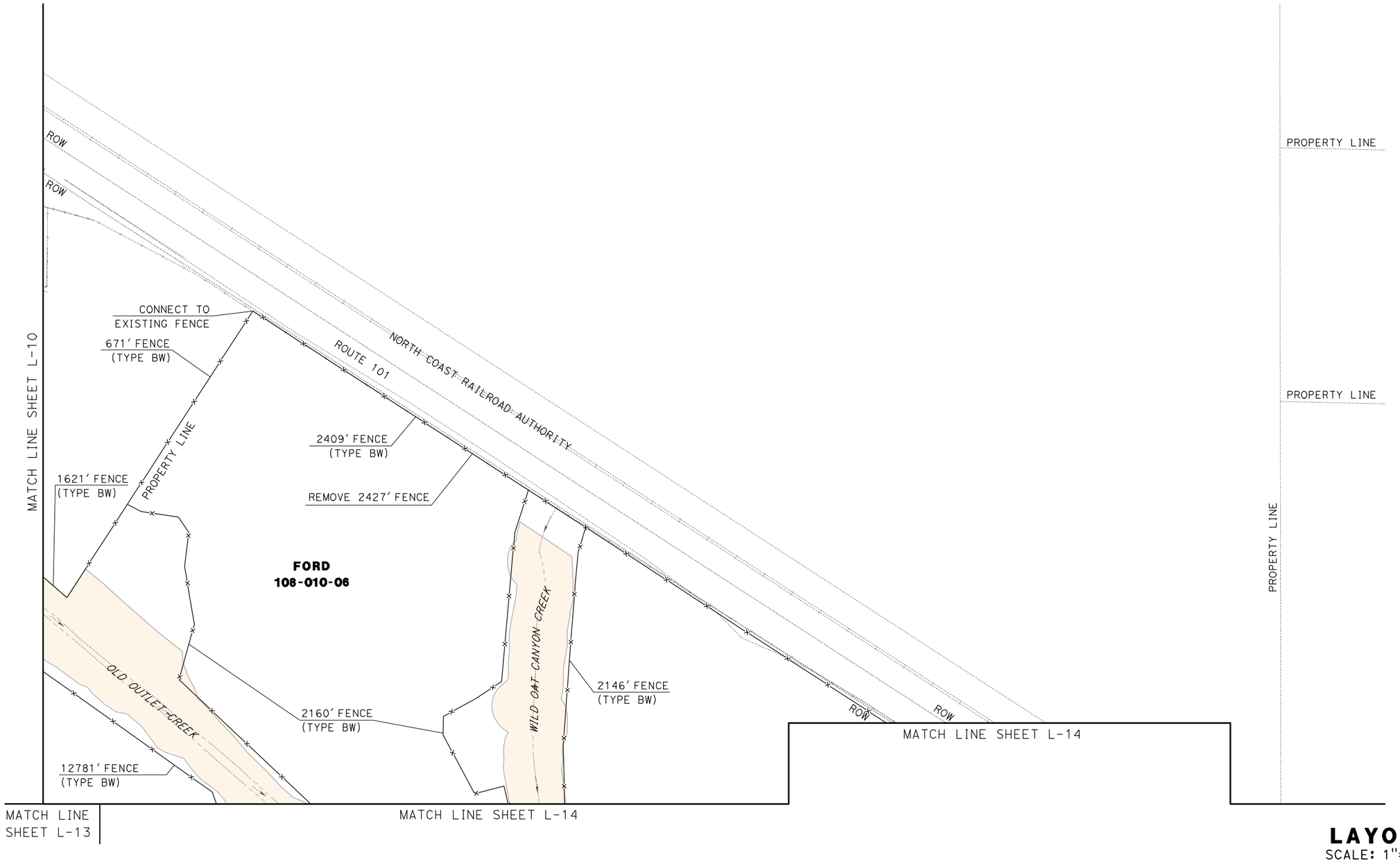
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



LAYOUT

SCALE: 1"=100'

L-11

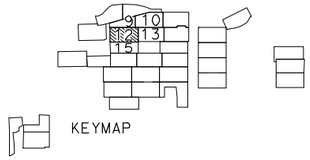
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03-DESIGN EAST
FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES
CALCULATED-DESIGNED BY
CHECKED BY
VINCENT MITCHELL
REVISED BY
DATE REVISED

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:21

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout11.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



WILLITS
T18N R13W MDB&M
SEC 6 & 7

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

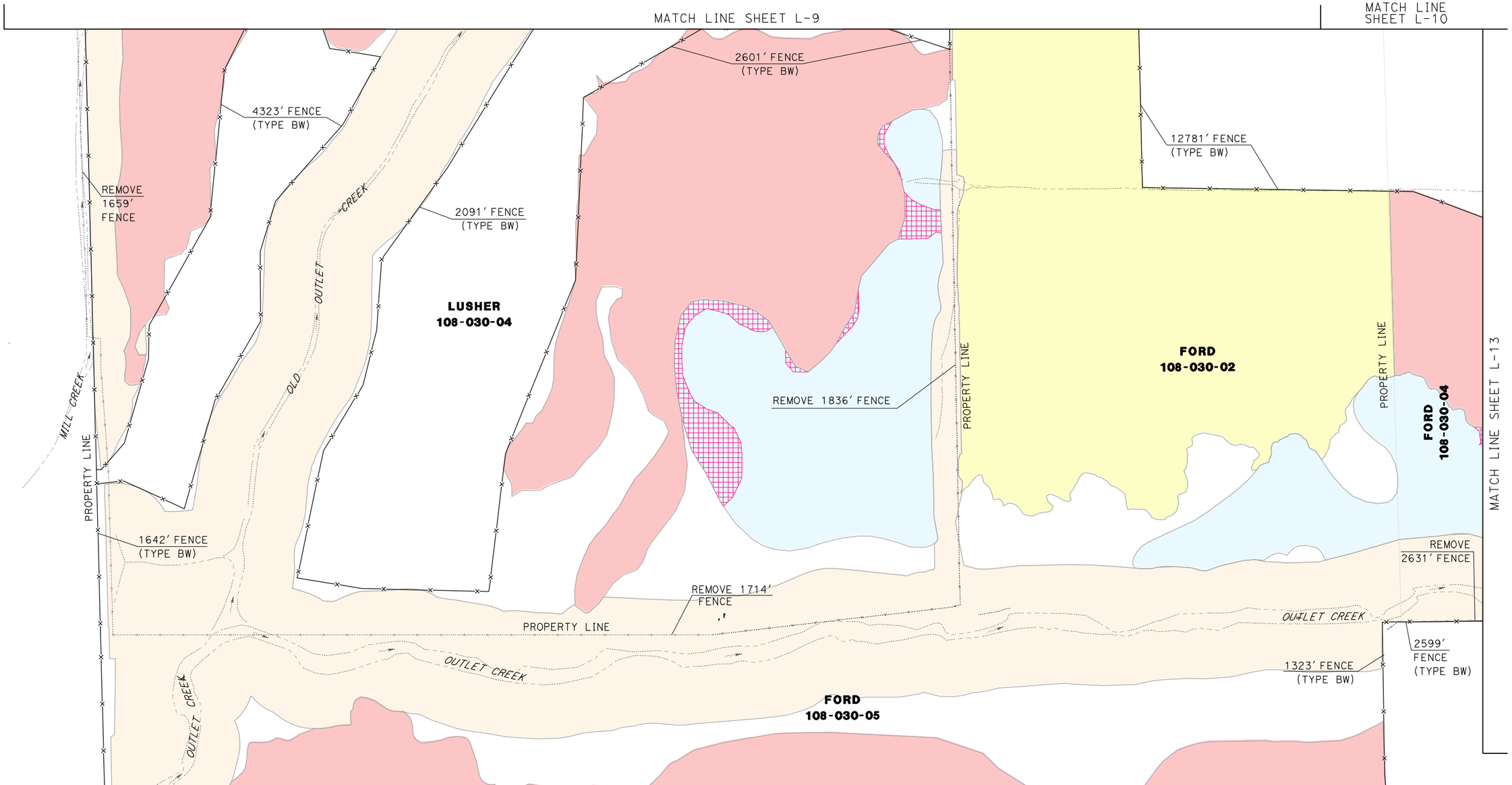
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



LAYOUT
SCALE: 1"=100'

L-12

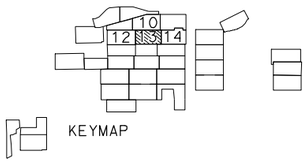
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	Caltrans® 03-DESIGN EAST
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES
CALCULATED-DESIGNED BY	
CHECKED BY	
VINCENT MITCHELL	
REVISED BY	
DATE REVISED	

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:21

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout12.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T18N R13W MDB&M
SEC 6

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. — Exp. — CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MATCH LINE SHEET L-10

MATCH LINE SHEET L-11

MATCH LINE SHEET L-12

MATCH LINE SHEET L-14

MATCH LINE SHEET L-16

FORD
108-020-04

FORD
108-010-06

CITY OF WILLITS
108-020-05

12781′ FENCE
(TYPE BW)

REMOVE 1869′ FENCE

PROPERTY LINE

2549′ FENCE
(TYPE BW)

ABANDON
WELL

OUTLET CREEK

PROPERTY LINE

REMOVE 2631′ FENCE

2599′ FENCE
(TYPE BW)

1598′ FENCE
(TYPE BW)

2539′
FENCE
(TYPE BW)

REMOVE 2597′ FENCE

LAYOUT
SCALE: 1"=100′

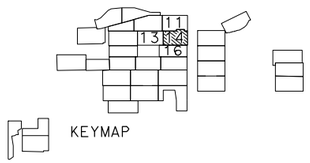
L-13

CALCULATED-DESIGNED BY	VINCENT MITCHELL
CHECKED BY	
REVISED BY	
DATE REVISED	
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	03-DESIGN EAST
Caltrans®	

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:21

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T18 & 19N R13W MDB&M
SEC 6 & 31

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

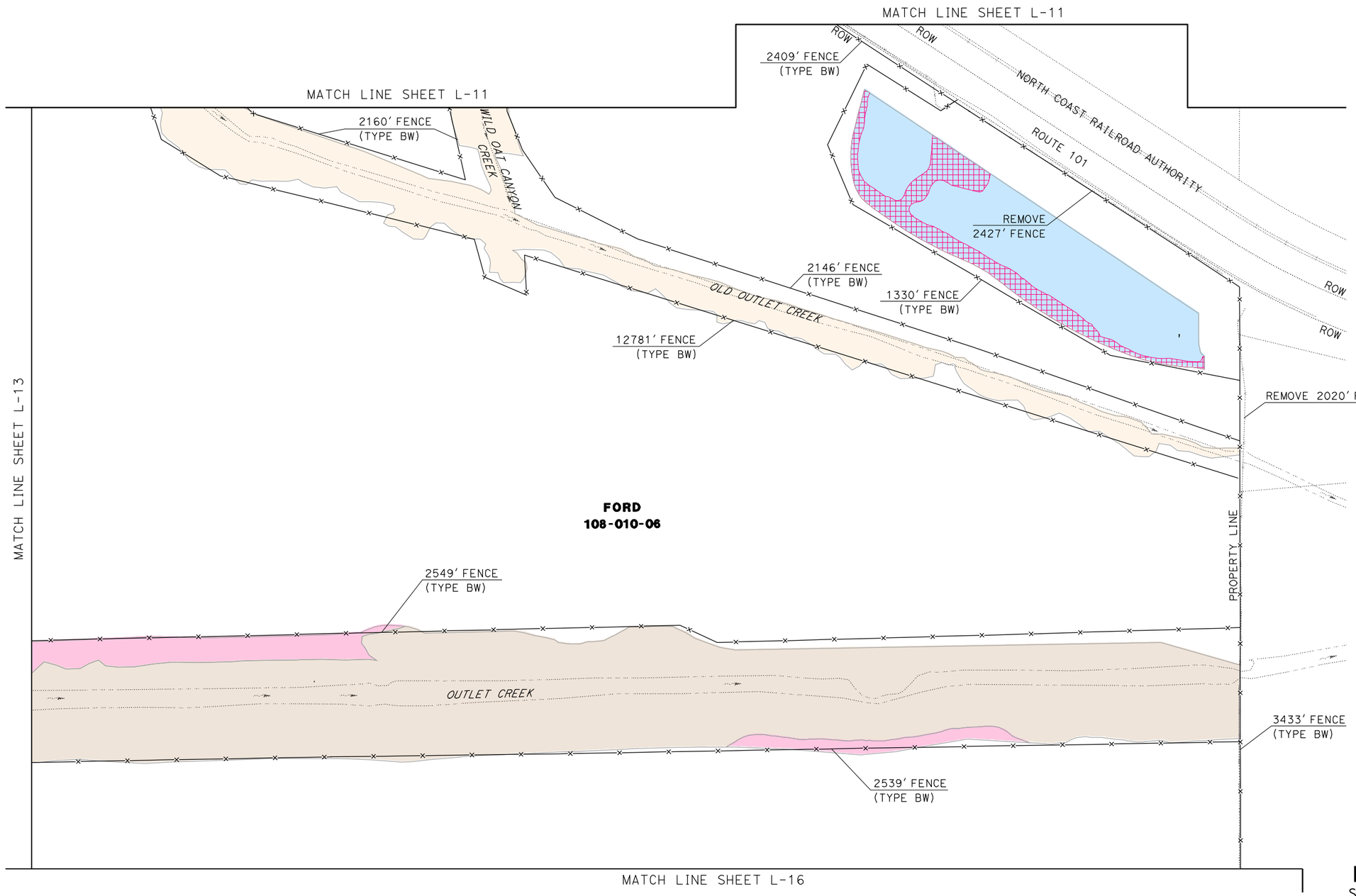
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



LAYOUT
SCALE: 1"=100'

L-14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
03-DESIGN EAST

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

CALCULATED-DESIGNED BY: VINCENT MITCHELL
CHECKED BY:

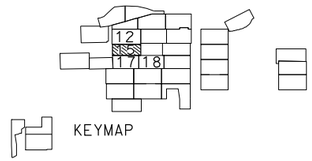
REVISED BY | DATE REVISED

LAST REVISION: 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:22

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout14.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T18N R13W MDB&M
SEC 6 & 7

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

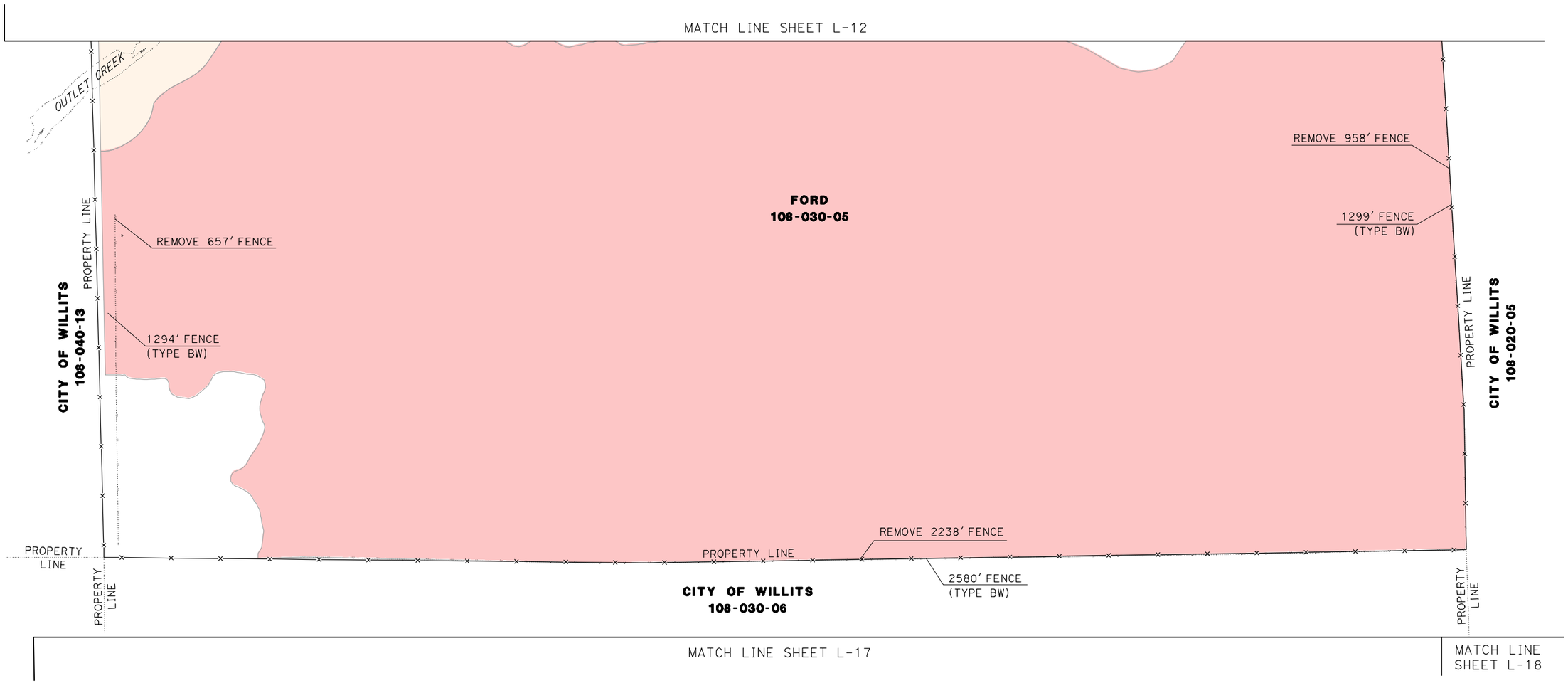
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

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LAYOUT
SCALE: 1"=100'

L-15

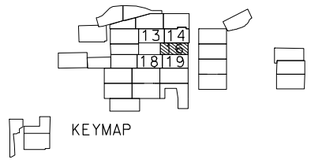
VINCENT MITCHELL	REVISED BY / DATE REVISED
CALCULATED-DESIGNED BY	
CHECKED BY	
FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES	
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	
Caltrans® 03-DESIGN EAST	

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:22

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout15.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T18N R13W MDB&M
SEC 6

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

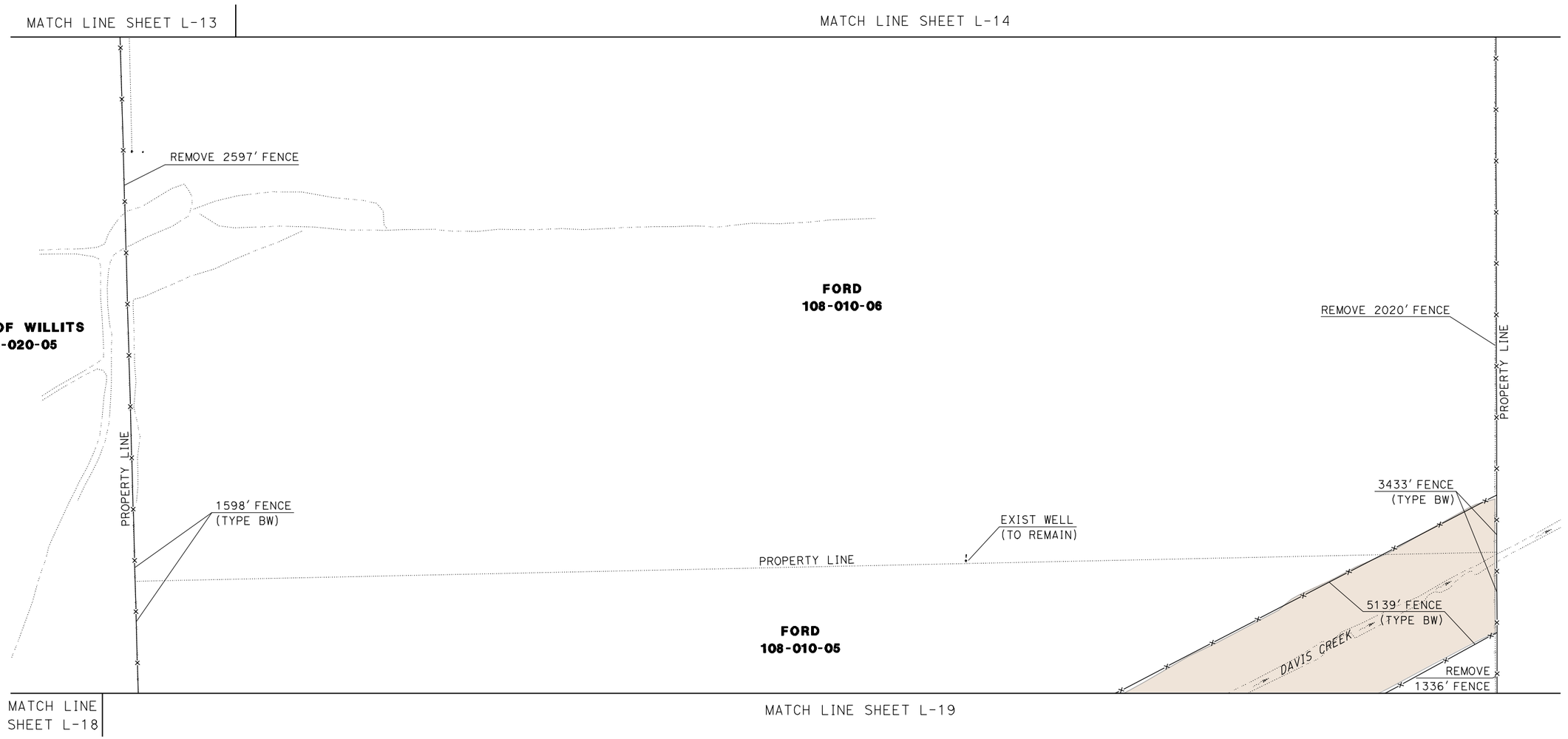
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



LAYOUT
SCALE: 1"=100'

L-16

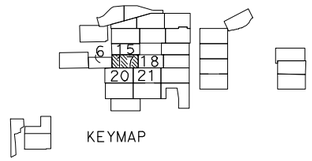
REVISED BY | DATE REVISED
VINCENT MITCHELL | CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03-DESIGN EAST

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:22

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout16.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T18N R13W MDB&M
SEC 7 & 8

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

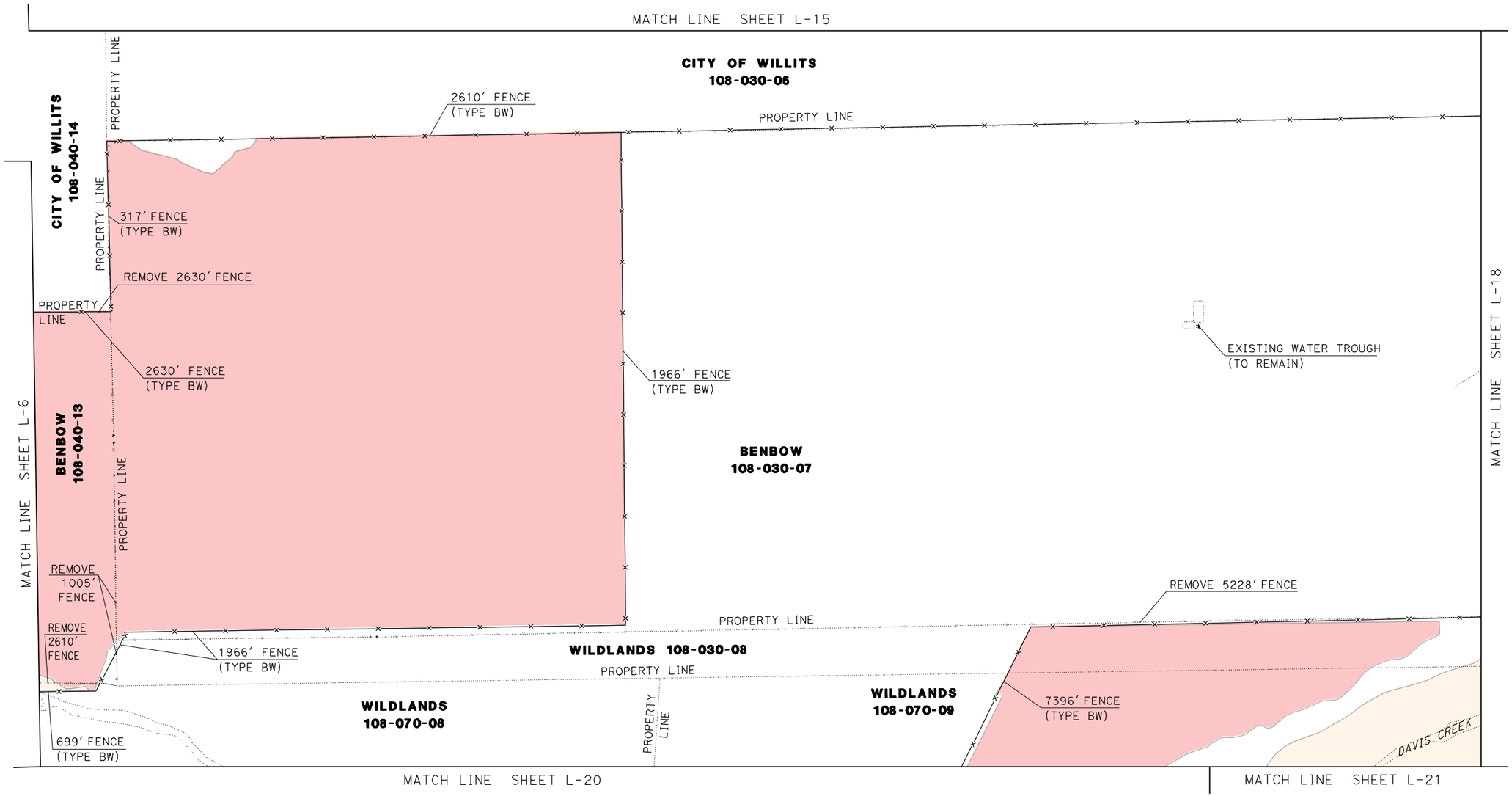
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



LAYOUT
SCALE: 1"=100'

L-17

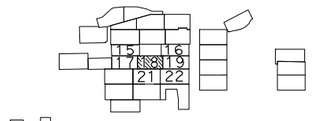
REVISED BY	DATE REVISED
VINCENT MITCHELL	
CALCULATED-DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	03-DESIGN EAST

LAST REVISION 12-29-11
DATE PLOTTED => 04-JAN-2012
TIME PLOTTED => 11:42

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout17.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T18N R13W MDB&M
SEC 5, 6 & 7

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

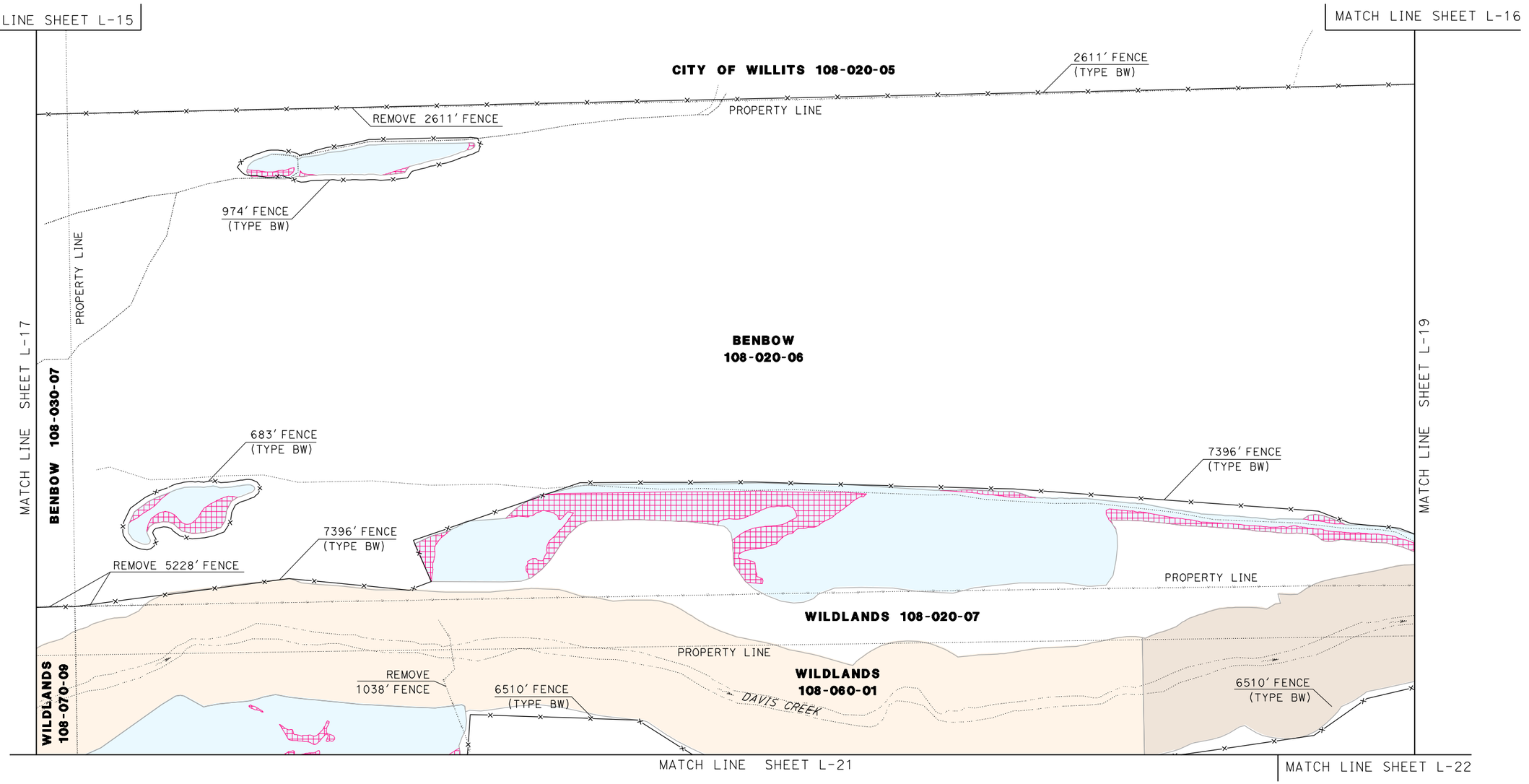
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. — Exp. — CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



LAYOUT
SCALE: 1"=100'

L-18

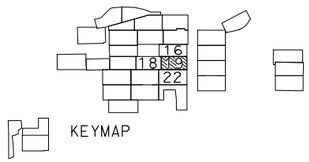
REVISED BY	VINCENT MITCHELL
DATE REVISED	
CALCULATED-DESIGNED BY	
CHECKED BY	
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	03-DESIGN EAST
Caltrans	

LAST REVISION 12-29-11
DATE PLOTTED => 04-JAN-2012
TIME PLOTTED => 11:43

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout18.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T18 & 19N R13W MDB&M
SEC 5, 6, 31 & 32

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

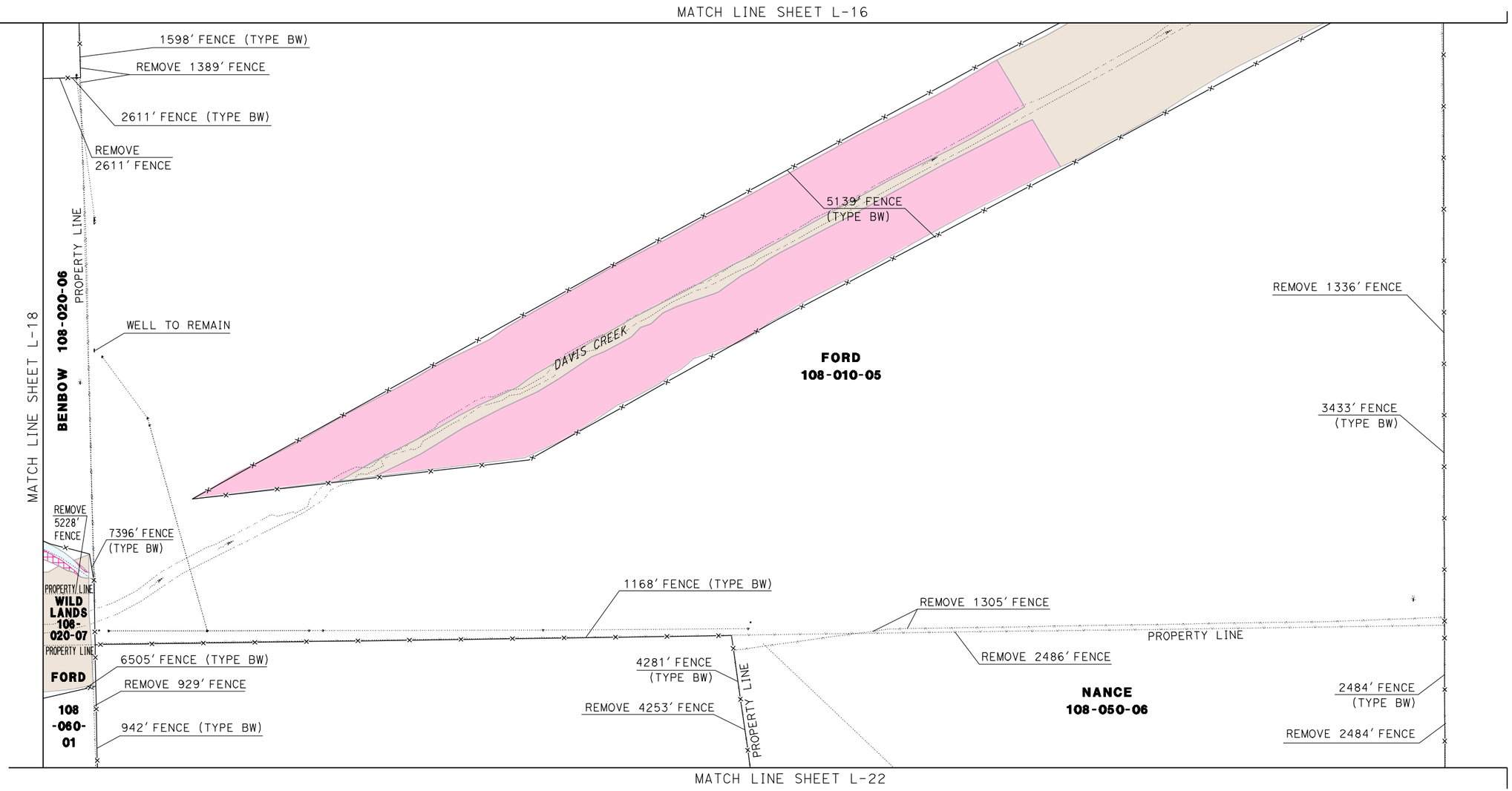
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



LAYOUT
SCALE: 1"=100'

L-19

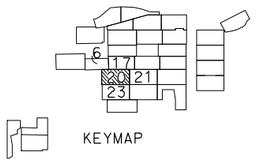
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03-DESIGN EAST
FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES
CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY: VINCENT MITCHELL
DATE REVISED

LAST REVISION 12-29-11
DATE PLOTTED => 04-JAN-2012
TIME PLOTTED => 11:43

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout19.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T18N R13W MDB&M
SEC 8

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

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MATCH LINE SHEET L-6

MATCH LINE SHEET L-17

2652' FENCE (TYPE BW)

PROPERTY LINE

REMOVE 3690' FENCE

PROPERTY LINE

11484' FENCE (TYPE BW)

WILDLANDS
108-070-08

REMOVE 1202' FENCE

DAVIS CREEK

REMOVE 2440' FENCE

PROPERTY LINE

REMOVE 1310' FENCE

7396' FENCE (TYPE BW)

PROPERTY LINE

WILDLANDS
108-070-09

6505' FENCE (TYPE BW)

REMOVE 1194' FENCE

MATCH LINE SHEET L-21

MATCH LINE SHEET L-23

LAYOUT
SCALE: 1"=100'

L-20

REVISED BY | DATE REVISED

VINCENT MITCHELL | CALCULATED-DESIGNED BY | CHECKED BY

DOUGLAS S. JONES | FUNCTIONAL SUPERVISOR

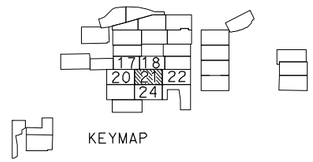
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03-DESIGN EAST

LAST REVISION 12-29-11
DATE PLOTTED => 04-JAN-2012
TIME PLOTTED => 11:43

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout20.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T18N R13W MDB&M
SEC 5 & 8

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

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MATCH LINE SHEET L-17

MATCH LINE SHEET L-18

DAVIS CREEK

6510' FENCE (TYPE BW)

REMOVE 1038' FENCE

6510' FENCE (TYPE BW)

WILDLANDS
108-060-01

WILDLANDS
108-070-09

PROPERTY LINE

REMOVE 939' FENCE

PROPERTY LINE

REMOVE 2440' FENCE

MATCH LINE SHEET L-20

MATCH LINE SHEET L-22

WILDLANDS
108-060-02

REMOVE 1188' FENCE

MATCH LINE SHEET L-24

LAYOUT
SCALE: 1"=100'

L-21

REVISED BY | DATE REVISED

VINCENT MITCHELL

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

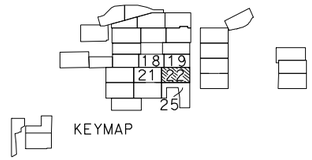
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
03-DESIGN EAST

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:23

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout21.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



WILLITS
T18 & 19N R13W MDB&M
SEC 5 & 32

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

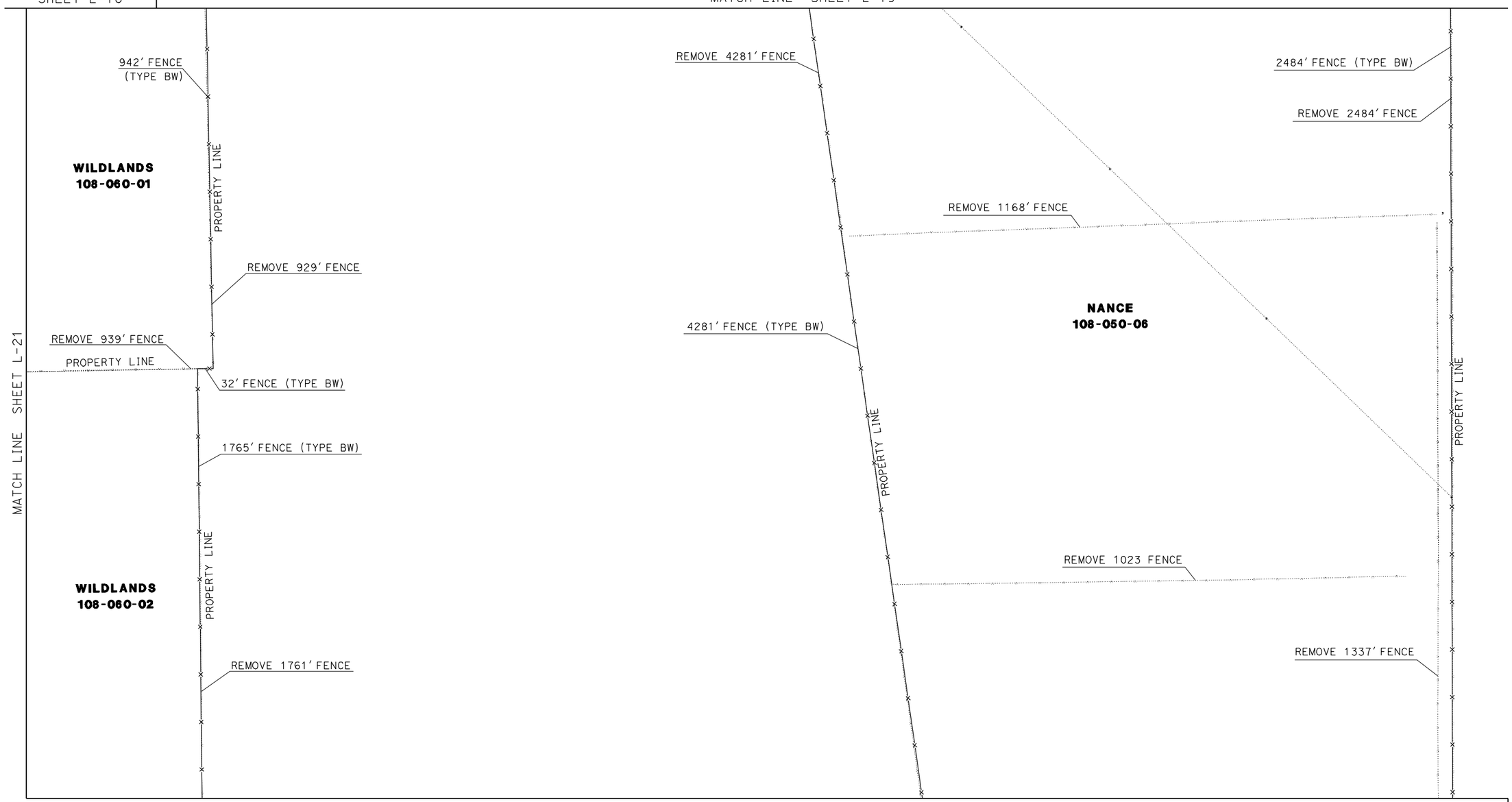
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

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LAYOUT
SCALE: 1"=100'

L-22

VINCENT MITCHELL	CALCULATED-DESIGNED BY
	CHECKED BY
DOUGLAS S. JONES	FUNCTIONAL SUPERVISOR
03-DESIGN EAST	
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	
Caltrans	

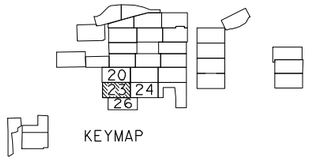
REVISED BY	DATE REVISED

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:24

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout22.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T18N R13W MDB&M
SEC 5 & 8

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

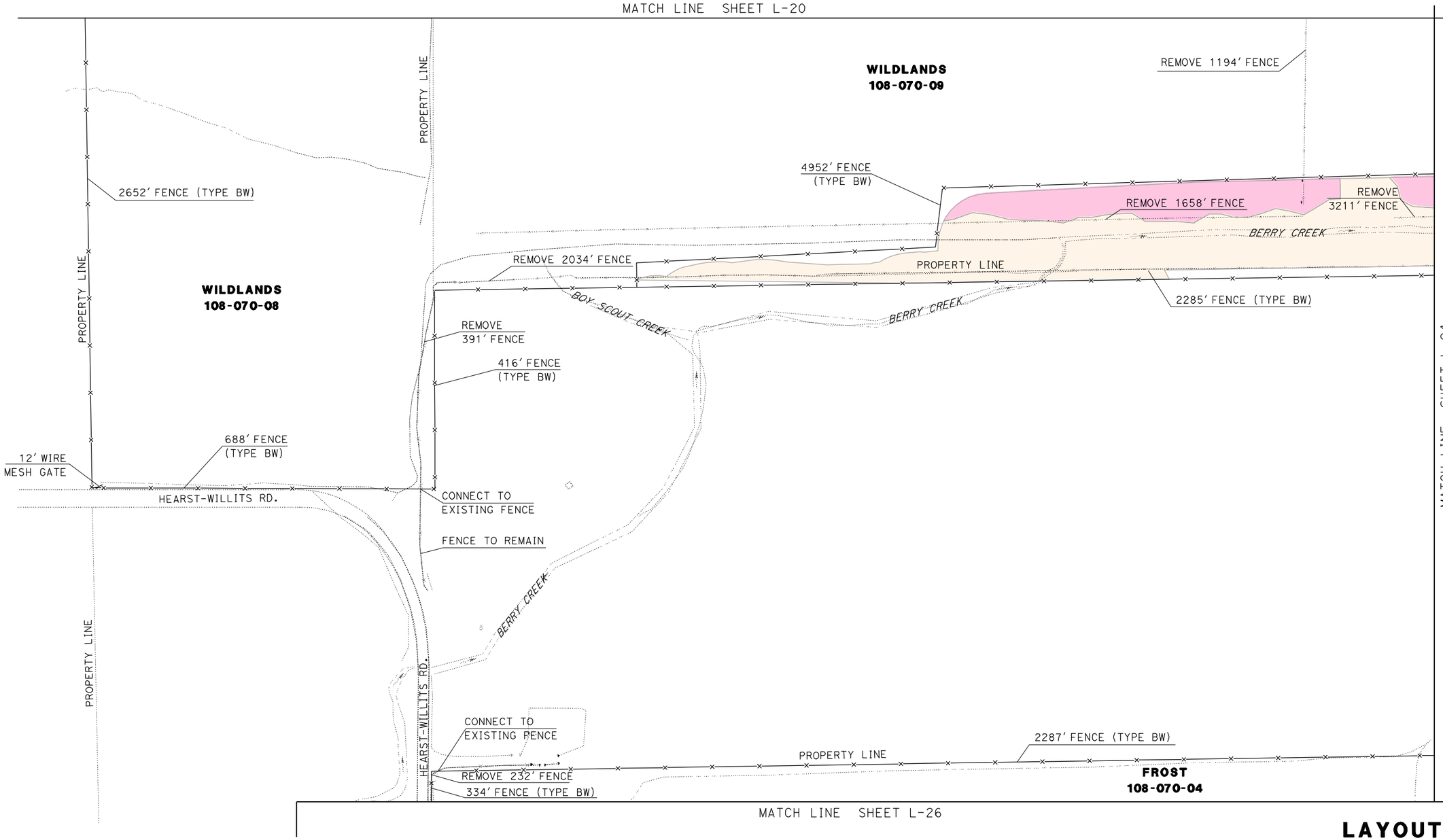
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



LAYOUT
SCALE: 1"=100'

L-23

CALCULATED-DESIGNED BY	VINCENT MITCHELL
CHECKED BY	
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	03-DESIGN EAST
Caltrans®	

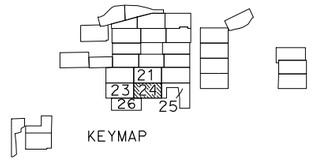
REVISED BY	DATE REVISED

LAST REVISION 12-29-11 | DATE PLOTTED => 02-JAN-2012 TIME PLOTTED => 16:24

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 DGN FILE => Layout23.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T18N R13W MDB&M
SEC 5 & 8

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

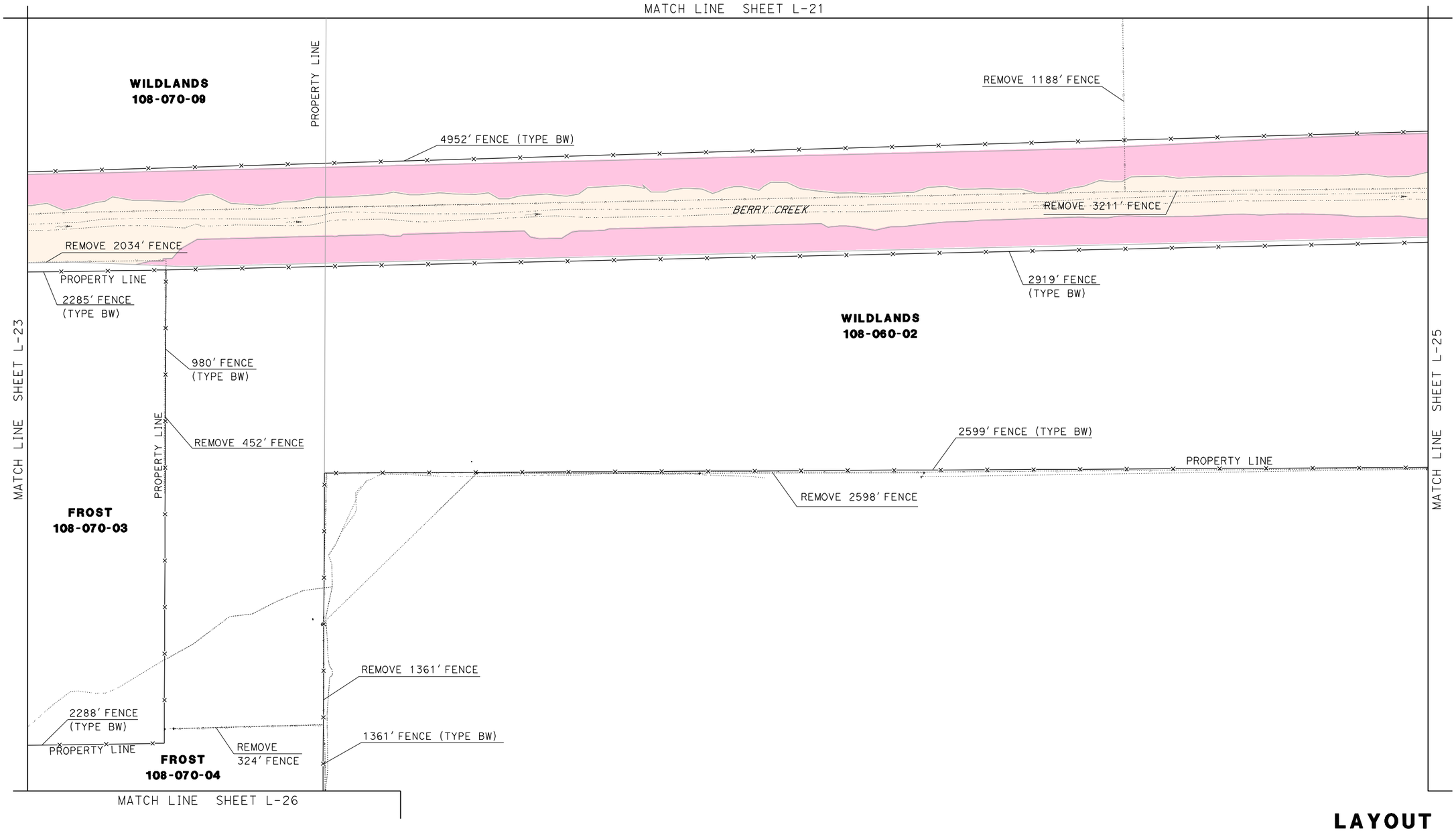
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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LAYOUT
SCALE: 1"=100'

L-24

REVISED BY	DATE REVISED

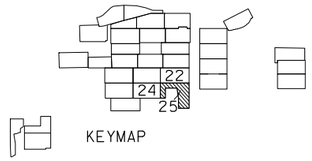
CALCULATED-DESIGNED BY: VINCENT MITCHELL
CHECKED BY:
FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03-DESIGN EAST

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:24

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout24.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T18 & 19N R13W MDB&M
SEC 5 & 32

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

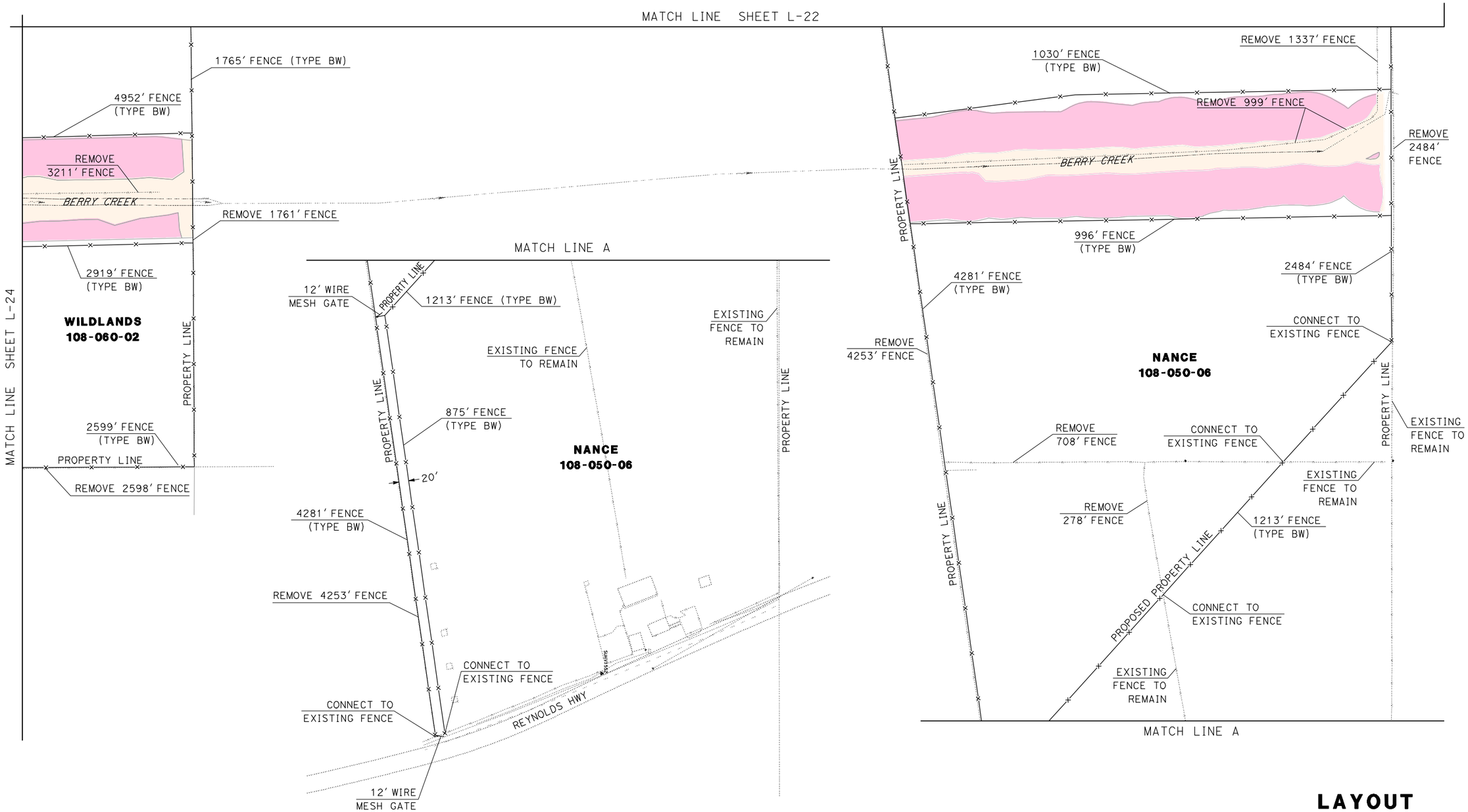
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



LAYOUT
SCALE: 1"=100'

L-25

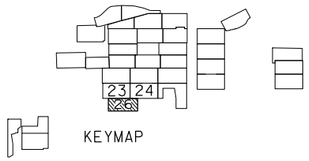
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	03-DESIGN EAST	FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES
CALCULATED-DESIGNED BY	VINCENT MITCHELL	REVISED BY	DATE REVISED
CHECKED BY			

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:24

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 DGN FILE => Layout25.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T18N R13W MDB&M
SEC 5 & 8

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MATCH LINE SHEET L-23

MATCH LINE SHEET L-24

328′ FENCE (TYPE BW)

REMOVE 232′ FENCE

REMOVE 203′ FENCE

600′ FENCE (TYPE BW)

PROPERTY LINE

191′ FENCE (TYPE BW)

REMOVE 222′ FENCE

HEARST-WILLITS RD.

REMOVE 2590′ FENCE

PROPERTY LINE

2610′ FENCE (TYPE BW)

REMOVE 1361′ FENCE

1361′ FENCE (TYPE BW)

917′ FENCE (TYPE BW)

PROPERTY LINE

FROST
108-070-04

LAYOUT
SCALE: 1"=100′

L-26

REVISED BY	DATE REVISED
VINCENT MITCHELL	
CALCULATED-DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	
DOUGLAS S. JONES	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03-DESIGN EAST

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:24

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout26.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

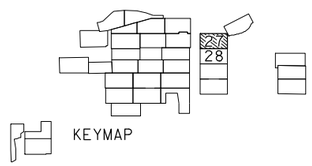
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. — Exp. — CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

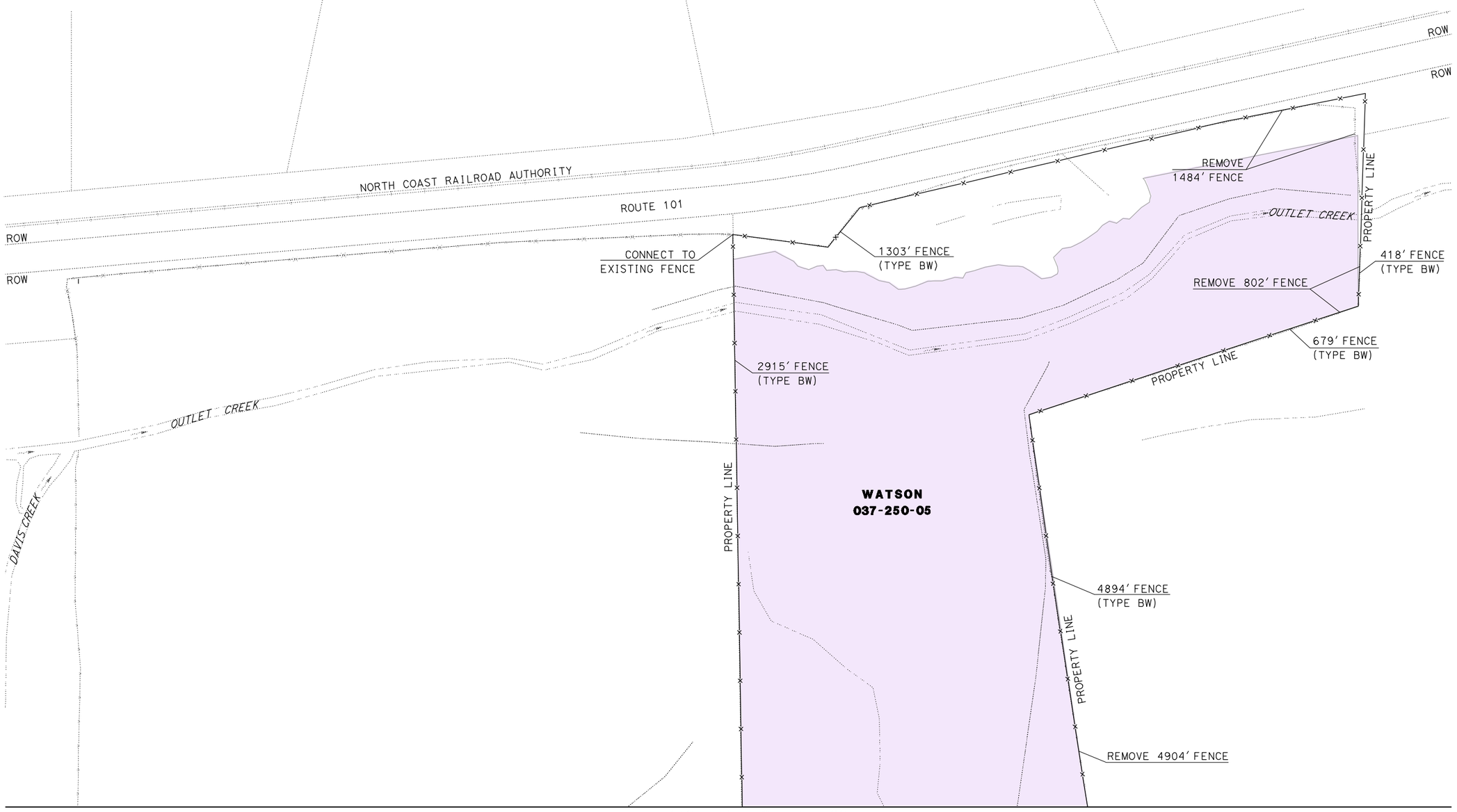
1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



WILLITS
T19N R13W MDB&M
SEC 31

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT



LAYOUT
SCALE: 1"=100'

L-27

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03-DESIGN EAST

CALCULATED-DESIGNED BY: VINCENT MITCHELL
CHECKED BY:
FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

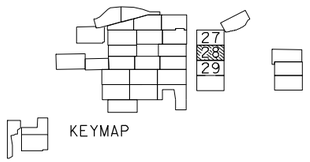
REVISED BY | DATE REVISED

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:24

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout27.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T19N R13W MDB&M
SEC 31

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MATCH LINE SHEET L-27

PROPERTY LINE

2915′ FENCE
(TYPE BW)

PROPERTY LINE

REMOVE 4904′ FENCE

PROPERTY LINE

WATSON
037-250-05

4894′ FENCE
(TYPE BW)

REMOVE 1791′ FENCE

MATCH LINE SHEET L-29

LAYOUT
SCALE: 1"=100′

L-28

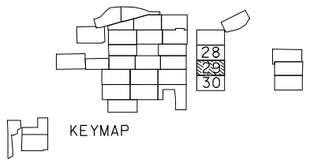
REVISED BY	
DATE REVISED	
CALCULATED-DESIGNED BY	VINCENT MITCHELL
CHECKED BY	
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	Caltrans® 03-DESIGN EAST

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:25

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 DGN FILE => Layout28.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T19N R13W MDB&M
SEC 31 & 32

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

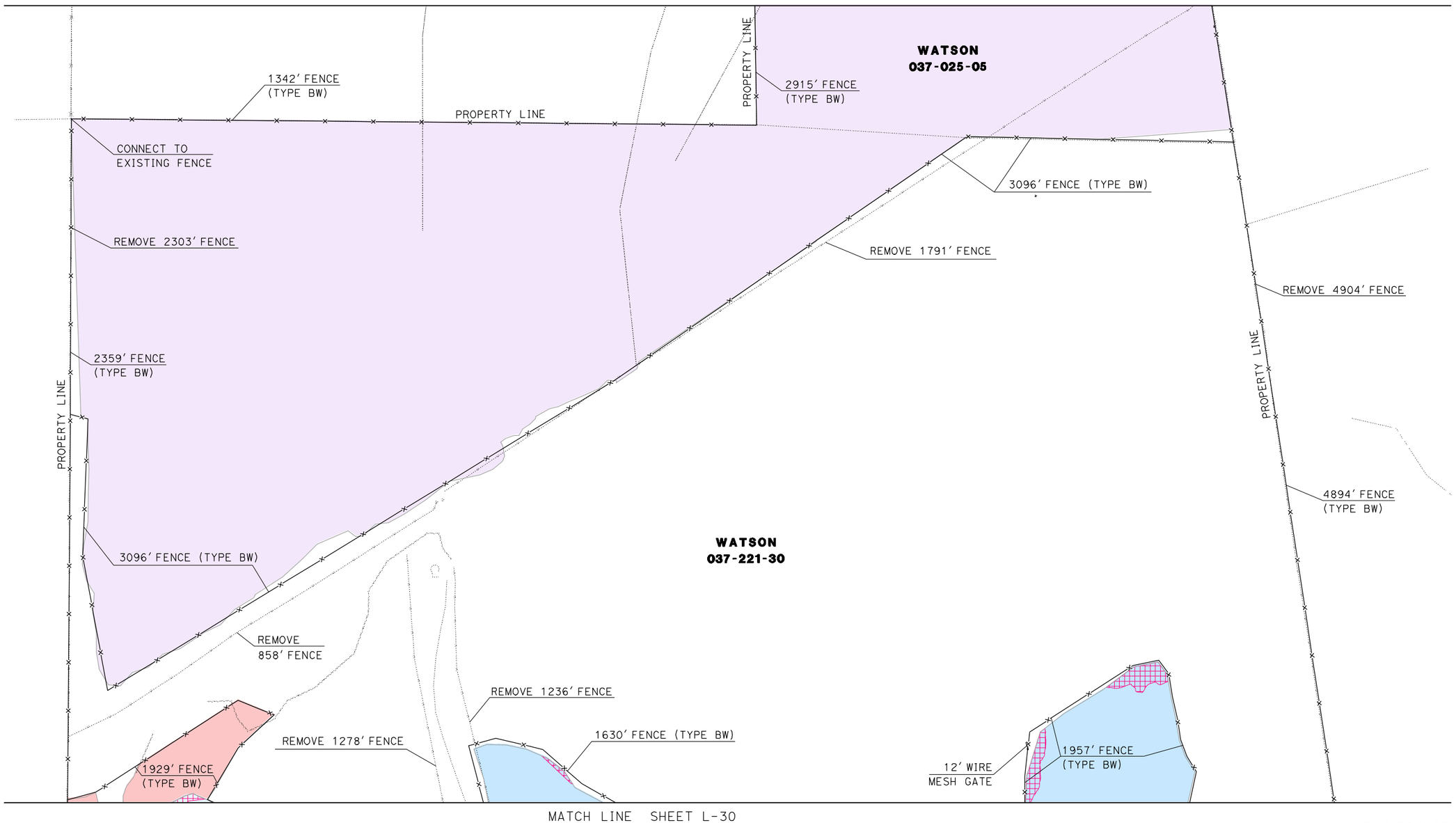
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



LAYOUT
SCALE: 1"=100'

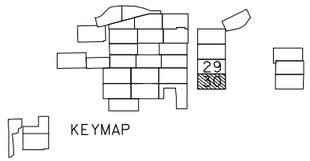
L-29

REVISED BY	
DATE REVISED	
VINCENT MITCHELL	CALCULATED-DESIGNED BY
	CHECKED BY
DOUGLAS S. JONES	FUNCTIONAL SUPERVISOR
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	Caltrans® 03-DESIGN EAST

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:25

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T19N R13W MDB&M
SEC 32

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

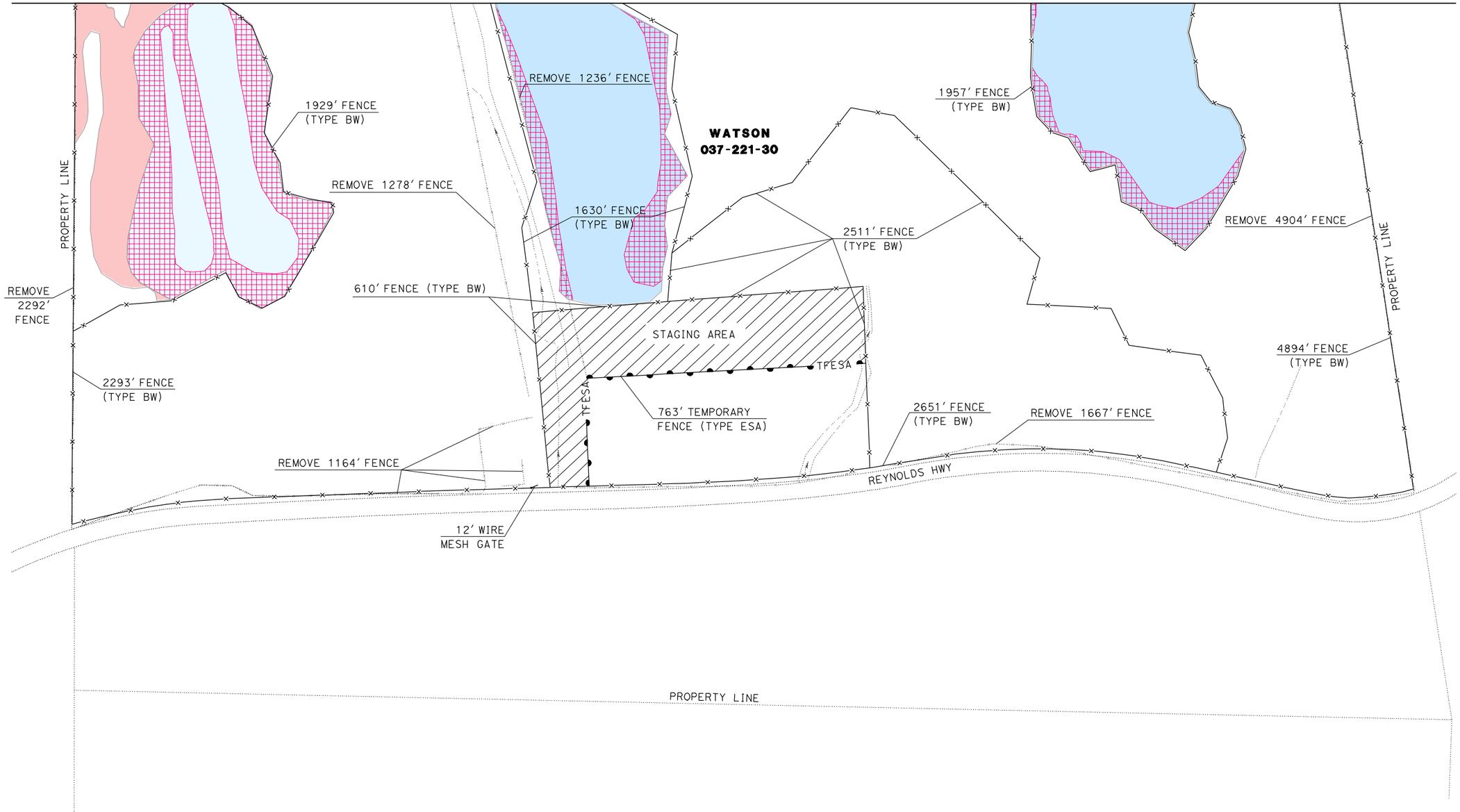
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MATCH LINE SHEET L-29



LAYOUT
SCALE: 1"=100'

L-30

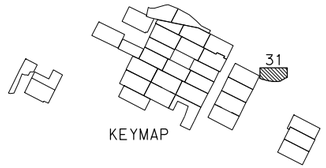
REVISED BY	VINCENT MITCHELL	CALCULATED-DESIGNED BY	STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DATE REVISED		CHECKED BY	Caltrans® 03-DESIGN EAST
		FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:25

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 DGN FILE => Layout30.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



WILLITS
T19N R13 & 14W MDB&M
SEC 25, 30, 31 & 36

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

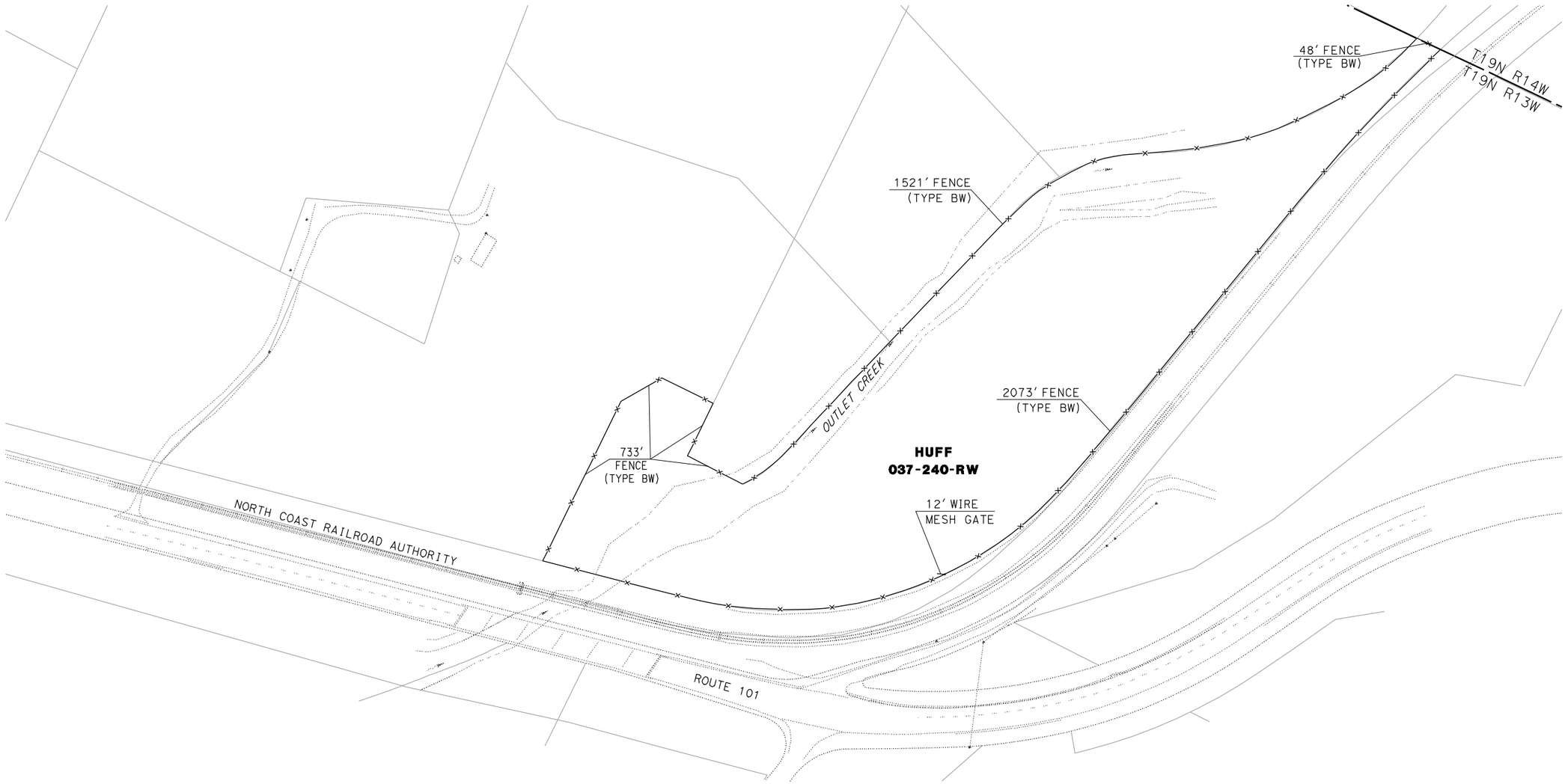
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. — Exp. — CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



LAYOUT
SCALE: 1"=100'

L-31

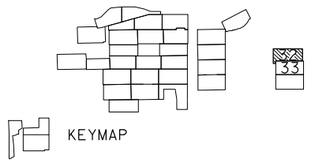
REVISED BY	VINCENT MITCHELL
DATE REVISED	
CALCULATED-DESIGNED BY	
CHECKED BY	
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	Caltrans® 03-DESIGN EAST

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:25

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 DGN FILE => Layout31.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T19N R13W MDB&M
SEC 19, 20, 29 & 30

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

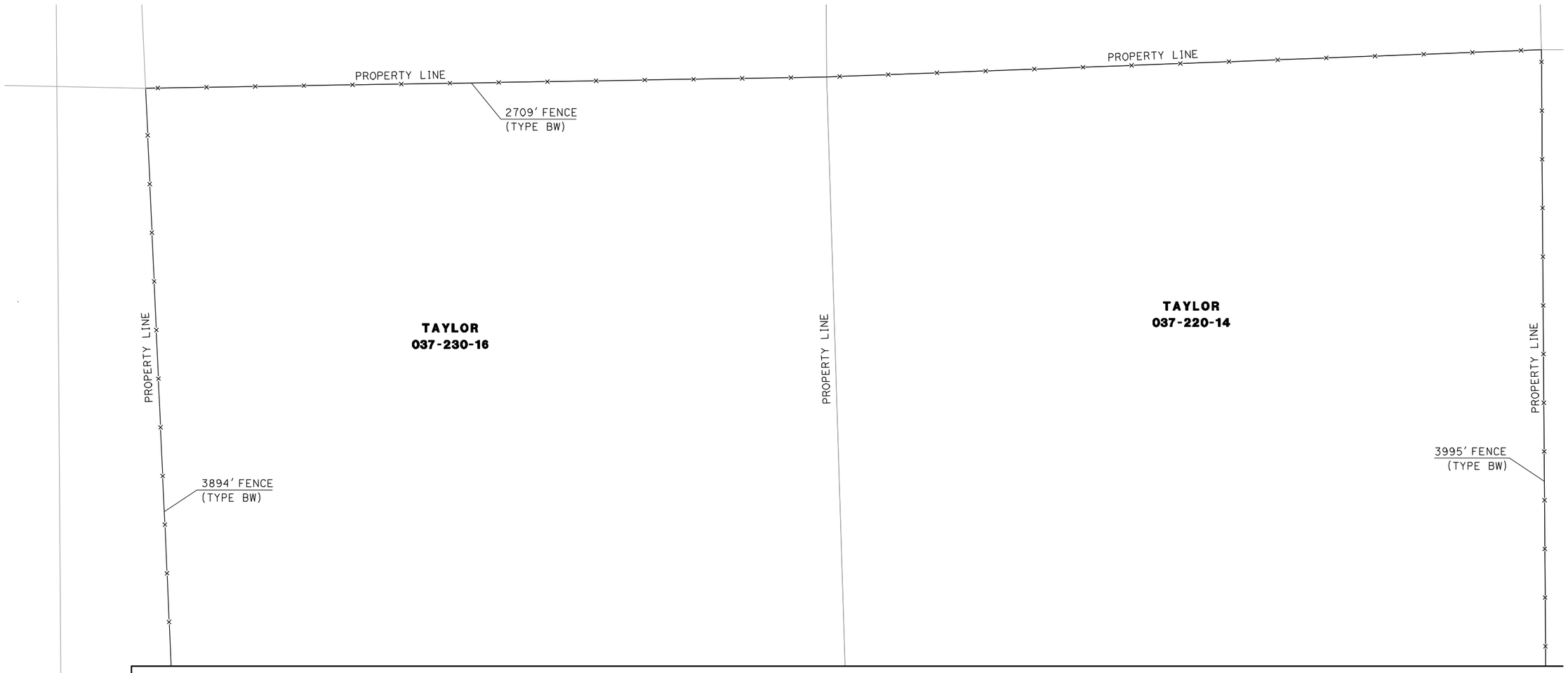
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



LAYOUT
SCALE: 1"=100'

L-32

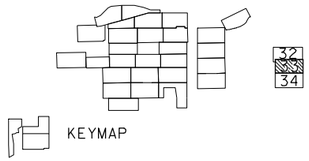
REVISED BY | DATE REVISED
VINCENT MITCHELL | CALCULATED-DESIGNED BY | CHECKED BY
DOUGLAS S. JONES | FUNCTIONAL SUPERVISOR
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03-DESIGN EAST

LAST REVISION 12-29-11 | DATE PLOTTED => 02-JAN-2012 | TIME PLOTTED => 16:25

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout32.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



WILLITS
T19N R13W MDB&M
SEC 19, 20, 29 & 30

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MATCHLINE SHEET L-32

TAYLOR
037-230-16

PROPERTY LINE

TAYLOR
037-220-14

PROPERTY LINE

TAYLOR
037-221-65

PROPERTY LINE

3894′ FENCE
(TYPE BW)

PROPERTY LINE

TAYLOR
037-210-16

PROPERTY LINE

3995′ FENCE
(TYPE BW)

MATCHLINE SHEET L-34

LAYOUT
SCALE: 1"=100′

L-33

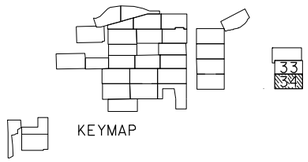
REVISED BY | DATE REVISED
VINCENT MITCHELL | CALCULATED-DESIGNED BY
CHECKED BY
FUNCTIONAL SUPERVISOR
DOUGLAS S. JONES
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
03-DESIGN EAST

LAST REVISION 12-29-11 | DATE PLOTTED => 02-JAN-2012 | TIME PLOTTED => 16:26

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout33.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.



KEYMAP

WILLITS
T19N R13W MDB&M
SEC 29

USACE MITIGATION ACTIONS

TYPE 1	GROUP 1
TYPE 2	GROUP 2
TYPE 3	OVERLAP
TYPE 4	CREDIT
TYPE 5	NO CREDIT

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

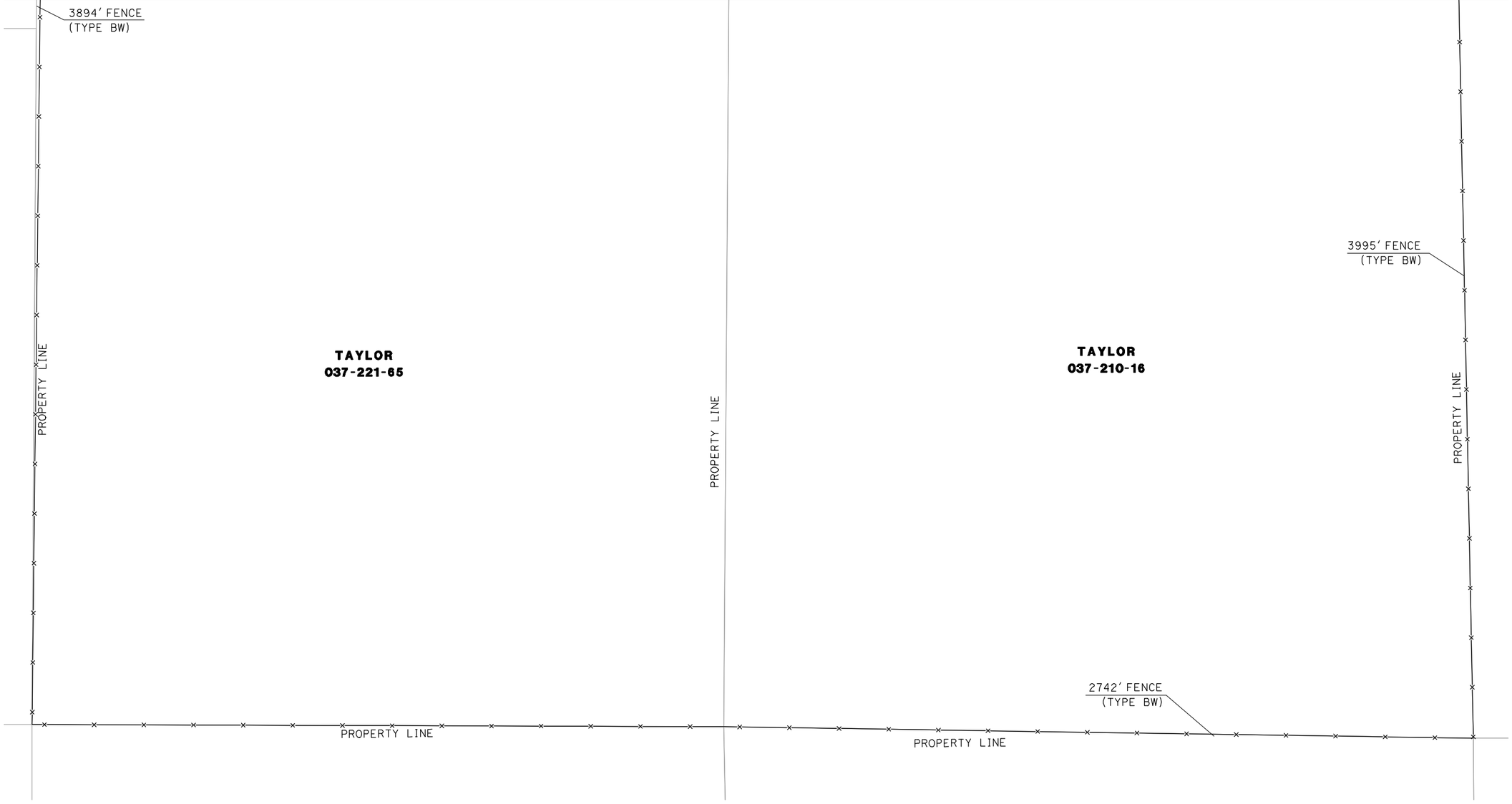
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MATCHLINE SHEET L-33



LAYOUT
SCALE: 1"=100'

L-34

REVISED BY	
DATE REVISED	
CALCULATED-DESIGNED BY	VINCENT MITCHELL
CHECKED BY	
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	Caltrans® 03-DESIGN EAST

LAST REVISION 12-29-11
DATE PLOTTED => 02-JAN-2012
TIME PLOTTED => 16:26

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => Layout34.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

WILLITS
LUSHER 038-060-08
BROOKE 038-040-09
BROOKE 038-020-11
BROOKE 109-020-03
BROOKE 108-030-01
NIESEN 108-040-02
G-3
LUSHER 108-030-03
ROUTE 101
NORTH COAST RAILROAD AUTHORITY
FORD 108-030-02
FORD 108-020-04
HUFF 037-240-RW
HUFFMAN 108-040-08
LUSHER 108-030-04
G-1
FORD 108-010-06
E. COMMERCIAL ST
FORD 108-030-05
WATSON 037-250-05
TAYLOR 037-230-16
TAYLOR 037-210-14
BENBOW 007-020-03
BENBOW 007-010-04
BENBOW 108-040-13
BENBOW 108-030-07
BENBOW 108-020-06
FORD 108-010-05
WILDLANDS 108-070-08
WILDLANDS 108-020-07
WILDLANDS 108-070-08
WILDLANDS 108-060-01
WATSON 037-221-30
G-4
G-5
REYNOLDS HWY
TAYLOR 037-221-65
TAYLOR 037-210-16
CENTER VALLEY RD
HEARST ROAD
WILDLANDS 108-070-09
WILDLAND 108-060-02
NANCE 108-050-06
FROST 108-070-04
CENTER VALLEY RD
VALLEY ROAD
REYNOLDS HWY
MGC PLASMA 103-250-16
ARKELIAN 103-230-04
GOSS 103-230-04
G-2
MGC PLASMA 103-250-14
MGC PLASMA 103-230-06

KEYMAP
WETLAND ESTABLISHMENT
GROUP 1 (1.0 CREDIT)
CONTOUR GRADING

NO SCALE

K-2

LAST REVISION 09-28-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 12:17

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: MELISSA HAURY
CHECKED BY: MITCH ANDRUS
FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
03-DESIGN EAST

BORDER LAST REVISED 7/1/2010

USERNAME => s114430
DGN FILE => WE1-000keymap2.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0307

PROJECT NUMBER & PHASE 01000000054

NOTES:
1. THIS PLAN ACCURATE FOR GRADING ONLY.
2. SEE LAYOUT SHEETS FOR MITIGATION ACTIONS NOT SHOWN.

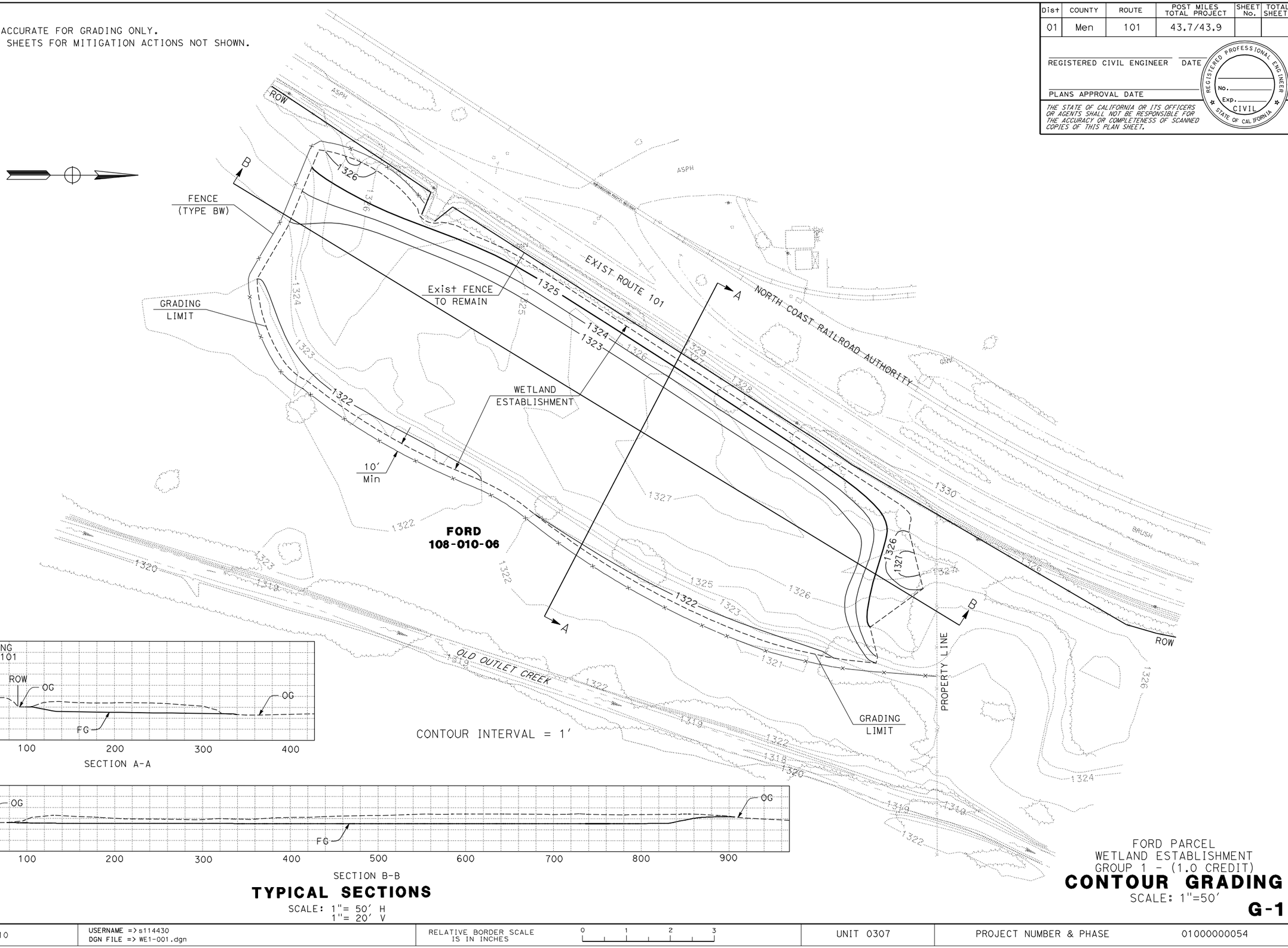
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

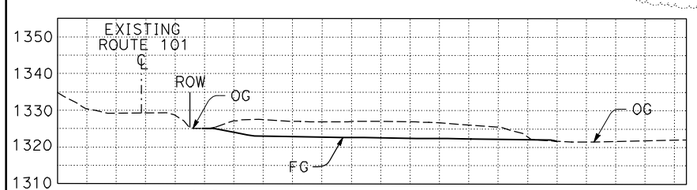
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

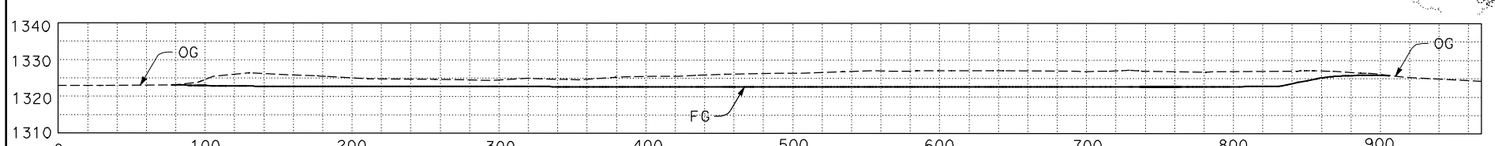
REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.





SECTION A-A



SECTION B-B

TYPICAL SECTIONS

SCALE: 1"= 50' H
1"= 20' V

FORD PARCEL
WETLAND ESTABLISHMENT
GROUP 1 - (1.0 CREDIT)

CONTOUR GRADING

SCALE: 1"=50'

G-1

		REVISED BY	DATE REVISED
CALCULATED-DESIGNED BY	MITCH ANDRUS		
CHECKED BY	SCOTT FOSTER		
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03-DESIGN EAST

LAST REVISION 09-24-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 12:17

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 DGN FILE => WE1-001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

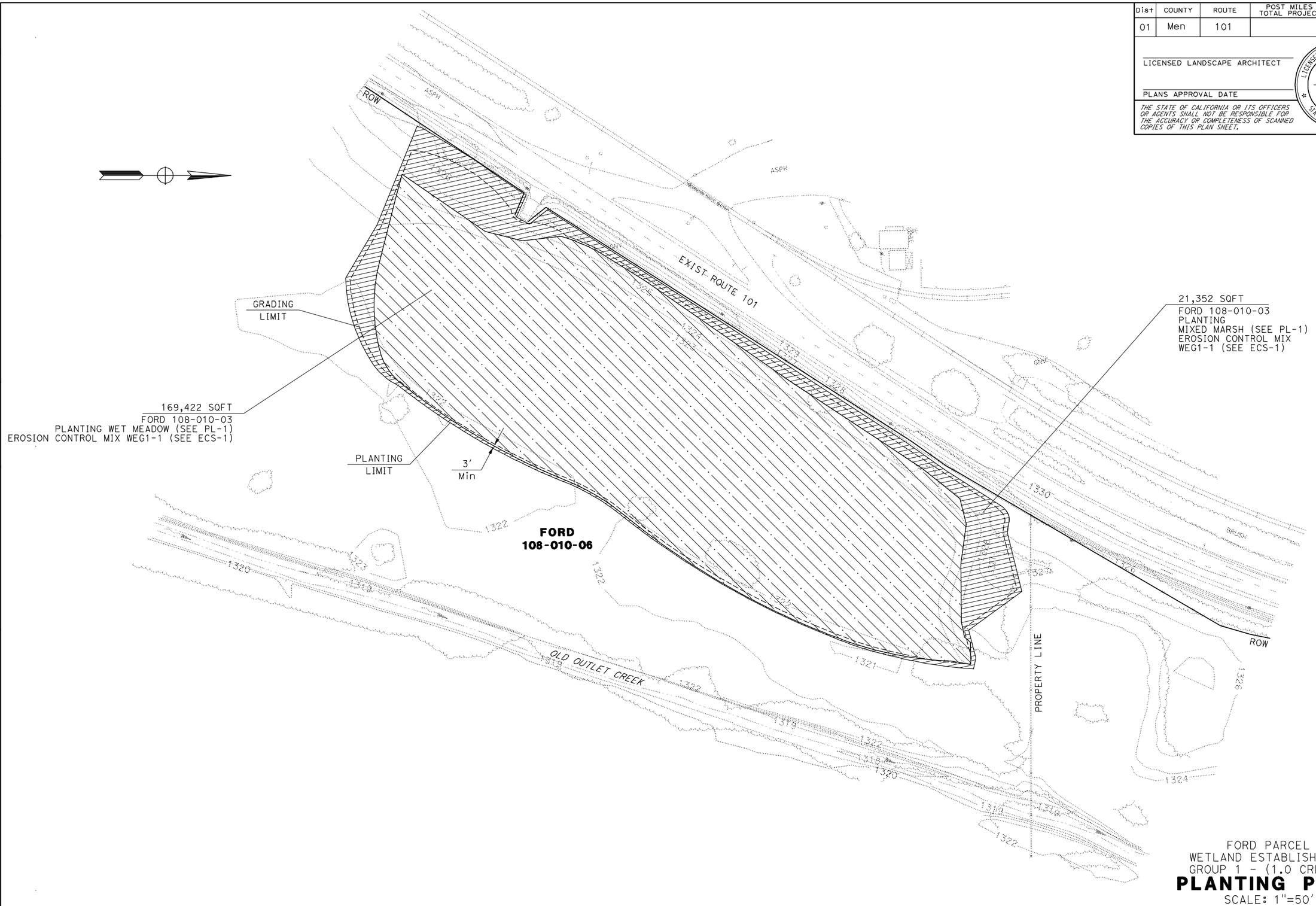
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



FORD PARCEL
WETLAND ESTABLISHMENT
GROUP 1 - (1.0 CREDIT)

PLANTING PLAN

SCALE: 1"=50'

PP-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT

CALCULATED-DESIGNED BY

CHECKED BY

REVISED BY | DATE REVISED

LAST REVISION 00-00-00

DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 12:32

BORDER LAST REVISED 7/2/2010

USERNAME => s114430
DGN FILE => PP-001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0381

PROJECT NUMBER & PHASE 01000000051

NOTES:
1. THIS PLAN ACCURATE FOR GRADING ONLY.
2. SEE LAYOUT SHEETS OTHER MITIGATION ACTIONS NOT SHOWN.

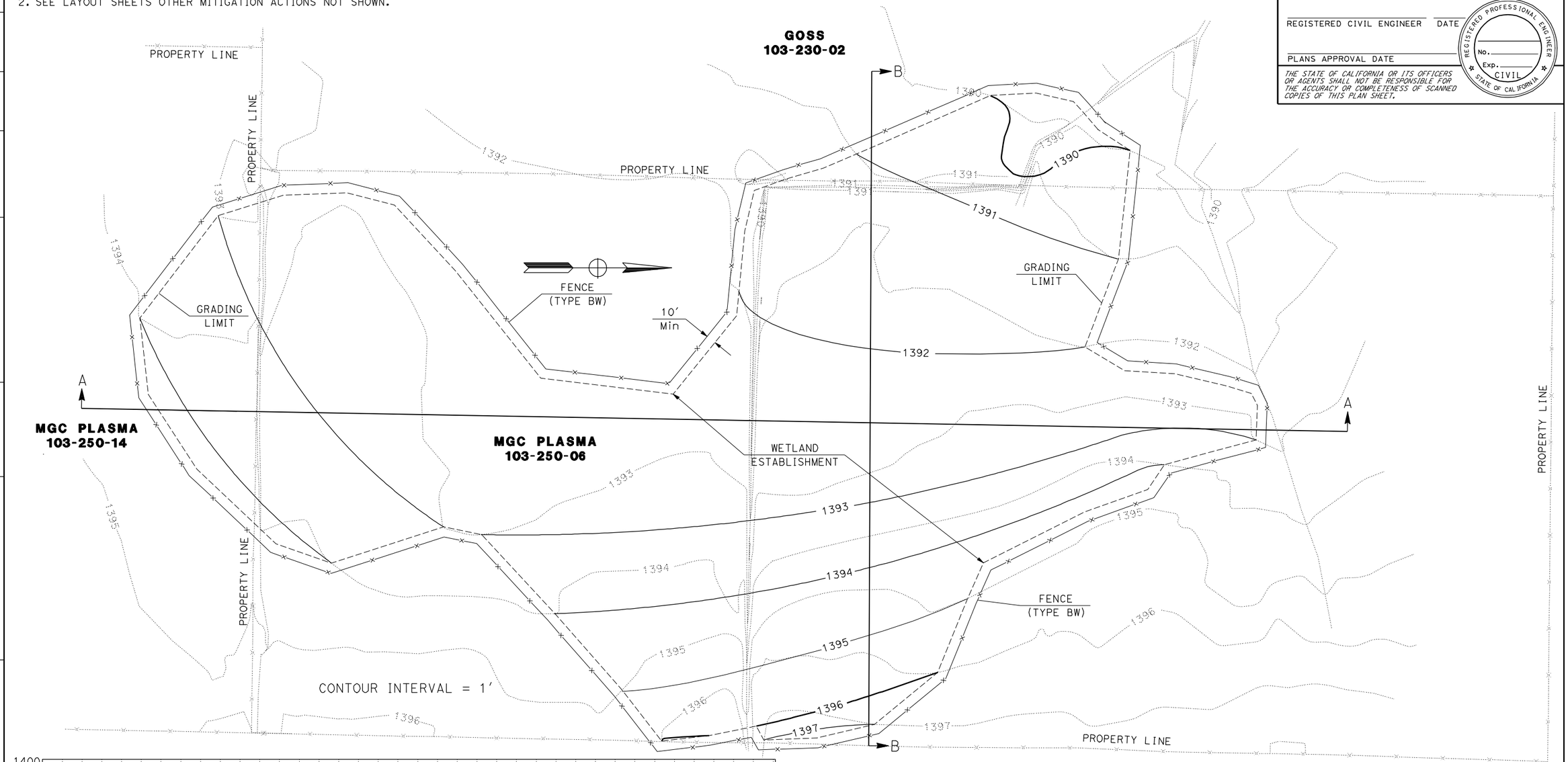
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

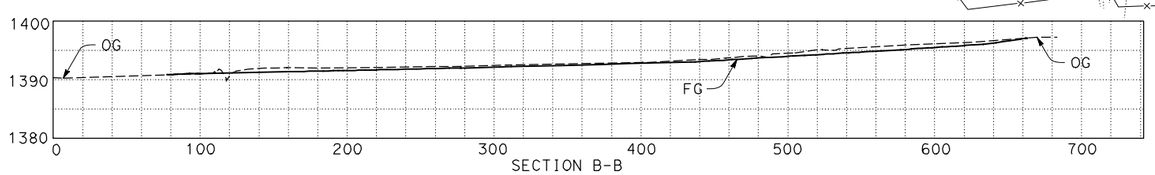
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

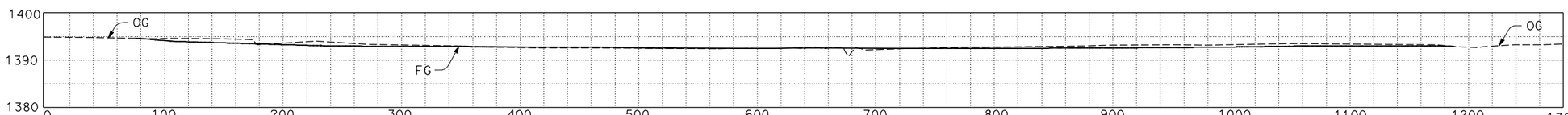
REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.





SECTION B-B



SECTION A-A

TYPICAL SECTIONS

SCALE: 1"= 50′ H
1"= 12.5′ V

MGC PLASMA/GOSS
WETLAND ESTABLISHMENT
GROUP 1 - (CREDIT 1.0)

CONTOUR GRADING

SCALE: 1"=50′

G-2

LAST REVISION 09-24-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 12:17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
03-DESIGN EAST
FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES
CALCULATED-DESIGNED BY: MITCH ANDRUS
CHECKED BY: SCOTT FOSTER
REVISED BY
DATE REVISED

BORDER LAST REVISED 7/2/2010
USERNAME => s114430
DGN FILE => WE1-002.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0307
PROJECT NUMBER & PHASE 01000000054

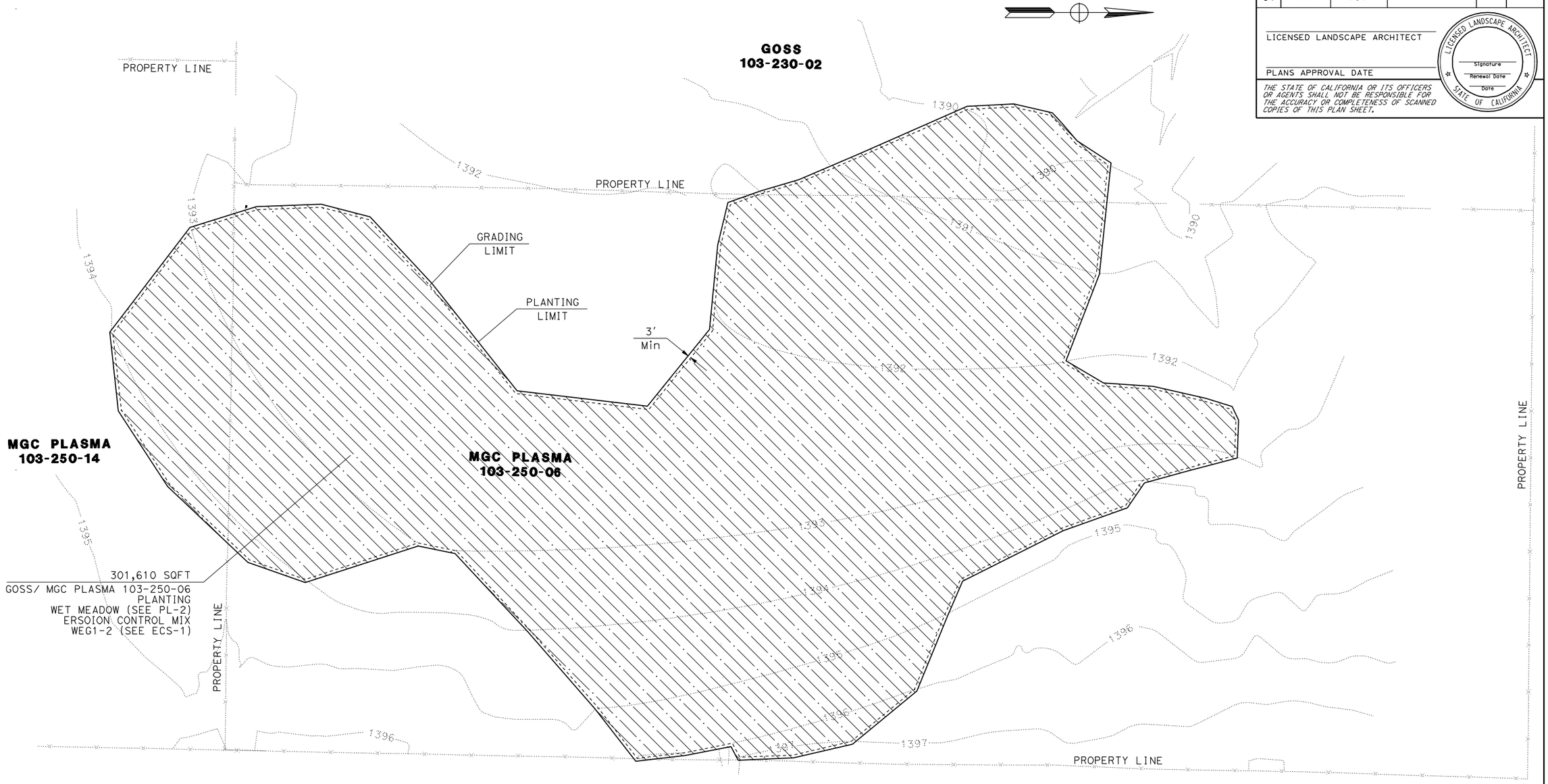
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



MGC PLASMA/GOSS
WETLAND ESTABLISHMENT
GROUP 1 - (CREDIT 1.0)

PLANTING PLAN

SCALE: 1"=50'

PP-2

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 12:32

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => PP-002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

NOTES:
1. THIS PLAN ACCURATE FOR GRADING ONLY.
2. SEE LAYOUT SHEETS FOR OTHER MITIGATION ACTIONS NOT SHOWN.

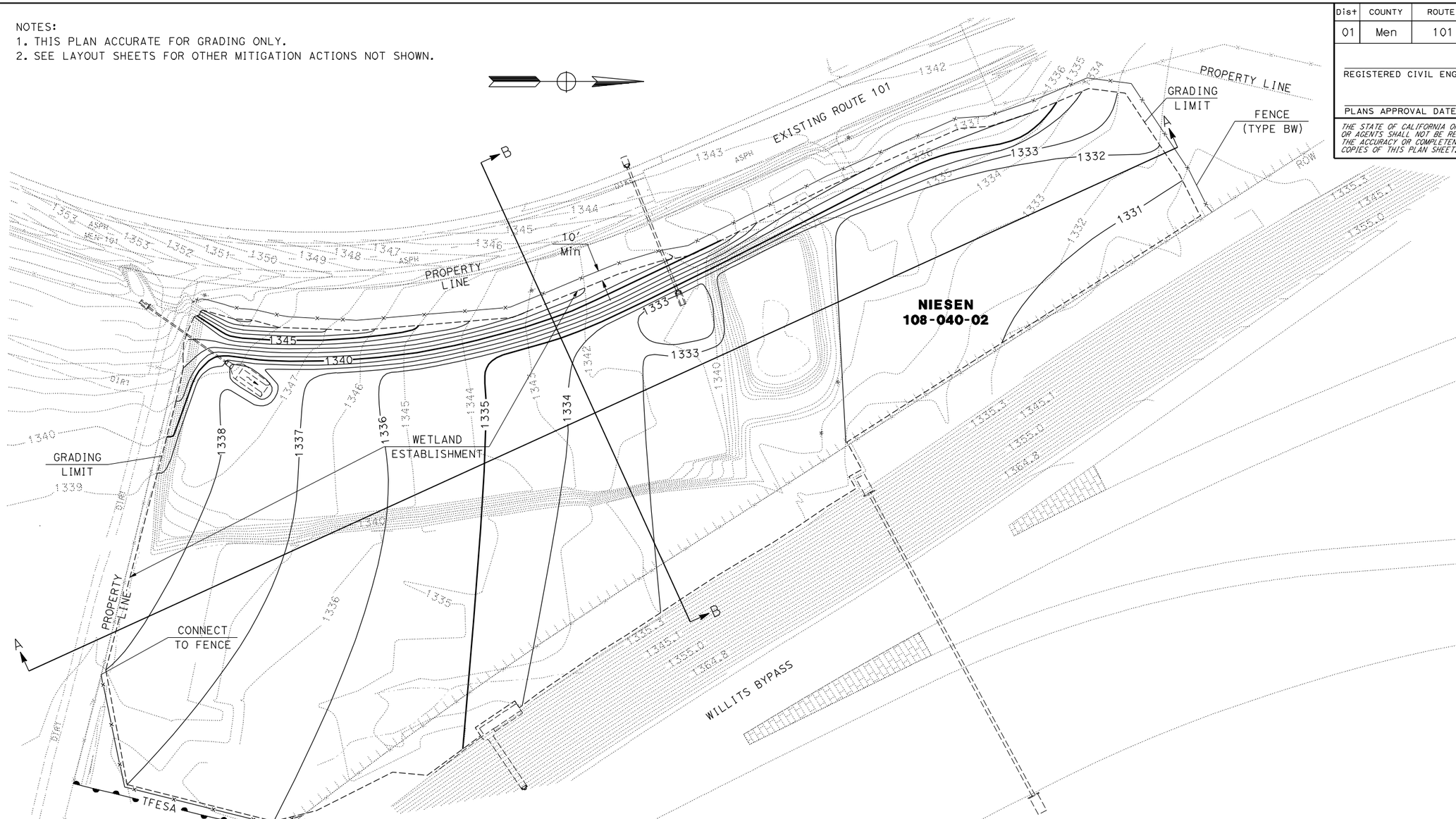
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

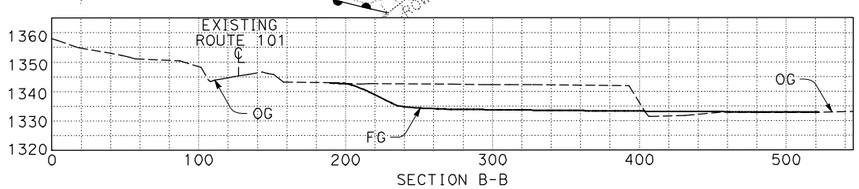
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

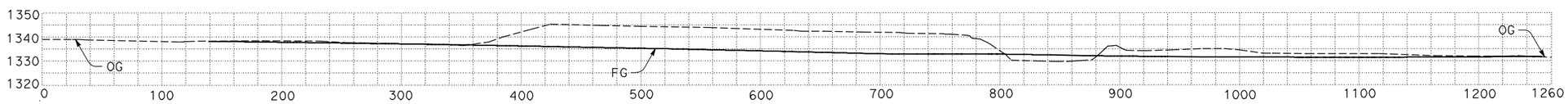
REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.





CONTOUR INTERVAL = 1′



SCALE: 1"= 50′ H
1"= 25′ V

TYPICAL SECTIONS

NIESEN PARCEL
WETLAND ESTABLISHMENT
GROUP 1 - (CREDIT 1.0)

CONTOUR GRADING

SCALE: 1"=50′

G-3

CALCULATED-DESIGNED BY	MITCH ANDRUS	REVISED BY	
CHECKED BY	SCOTT FOSTER	DATE REVISED	
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES		
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	03-DESIGN EAST		

LAST REVISION 09-24-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 12:18

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => WE1-003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

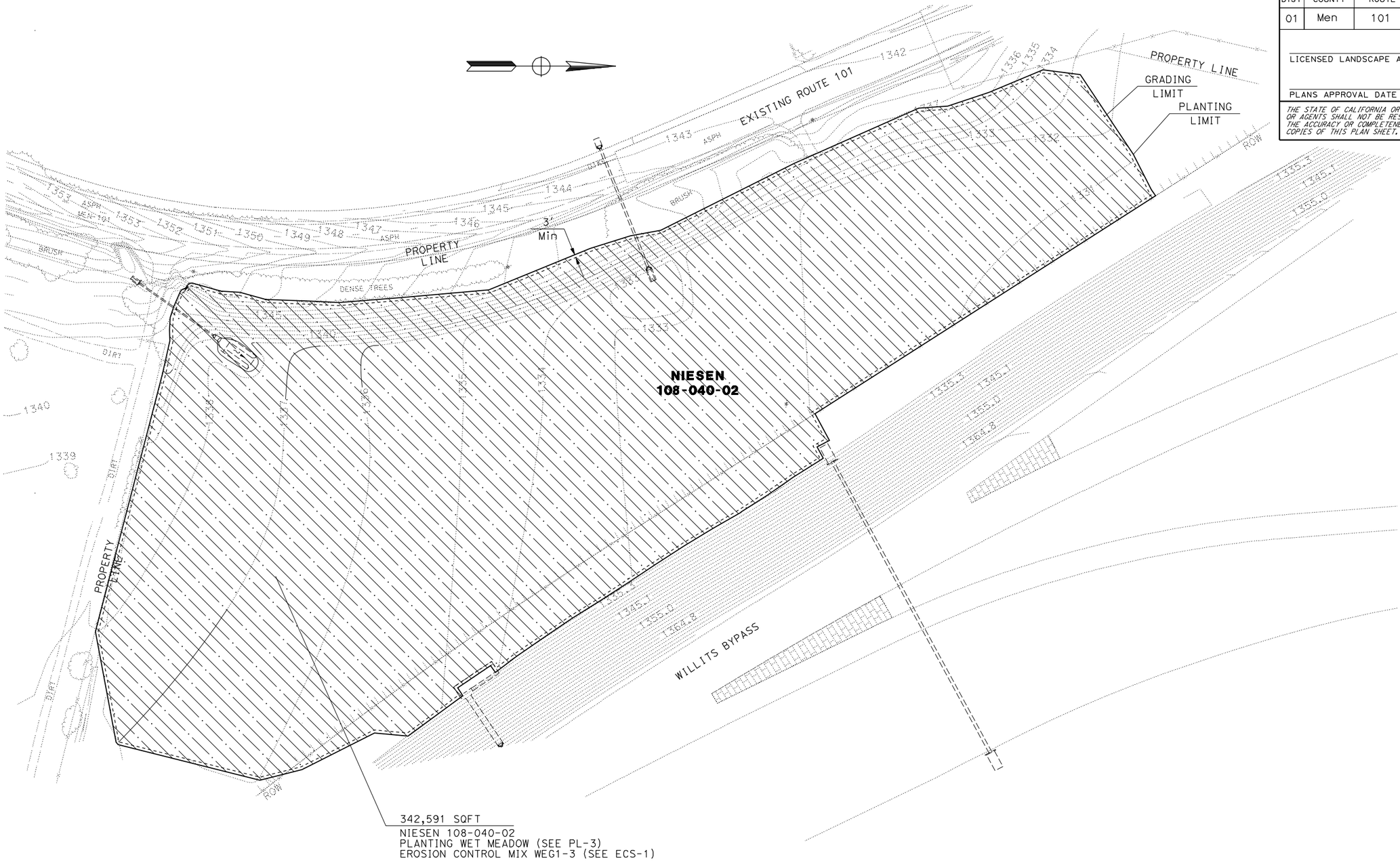
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



NIESEN PARCEL
WETLAND ESTABLISHMENT
GROUP 1 - (CREDIT 1.0)

PLANTING PLAN

SCALE: 1"=50'

PP-3

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® 03 - LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 12:32

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => PP-003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

NOTES:
1. THIS PLAN ACCURATE FOR GRADING ONLY.
2. SEE LAYOUT SHEETS FOR OTHER MITIGATION ACTIONS NOT SHOWN.

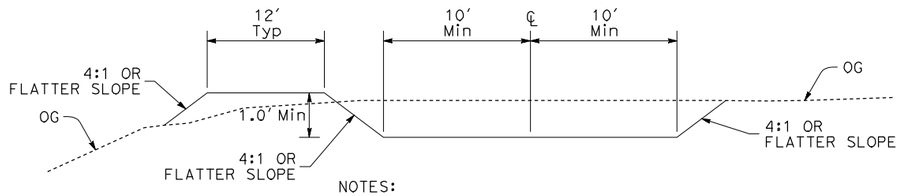
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

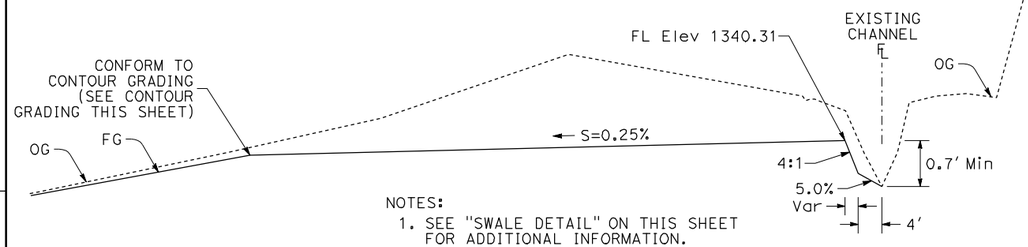
REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



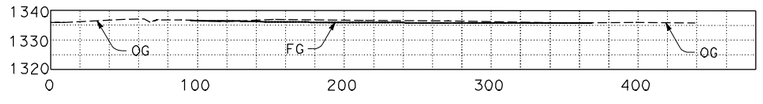
NOTES:
1. SEE "SWALE DETAIL" ON SHEET DD-11 FOR EROSION CONTROL DETAILS.
2. SEE "SECTION C-C" ON THIS SHEET FOR ADDITIONAL INFORMATION.

SECTION D-D

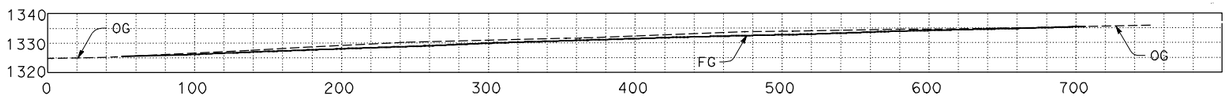


NOTES:
1. SEE "SWALE DETAIL" ON THIS SHEET FOR ADDITIONAL INFORMATION.

SECTION C-C



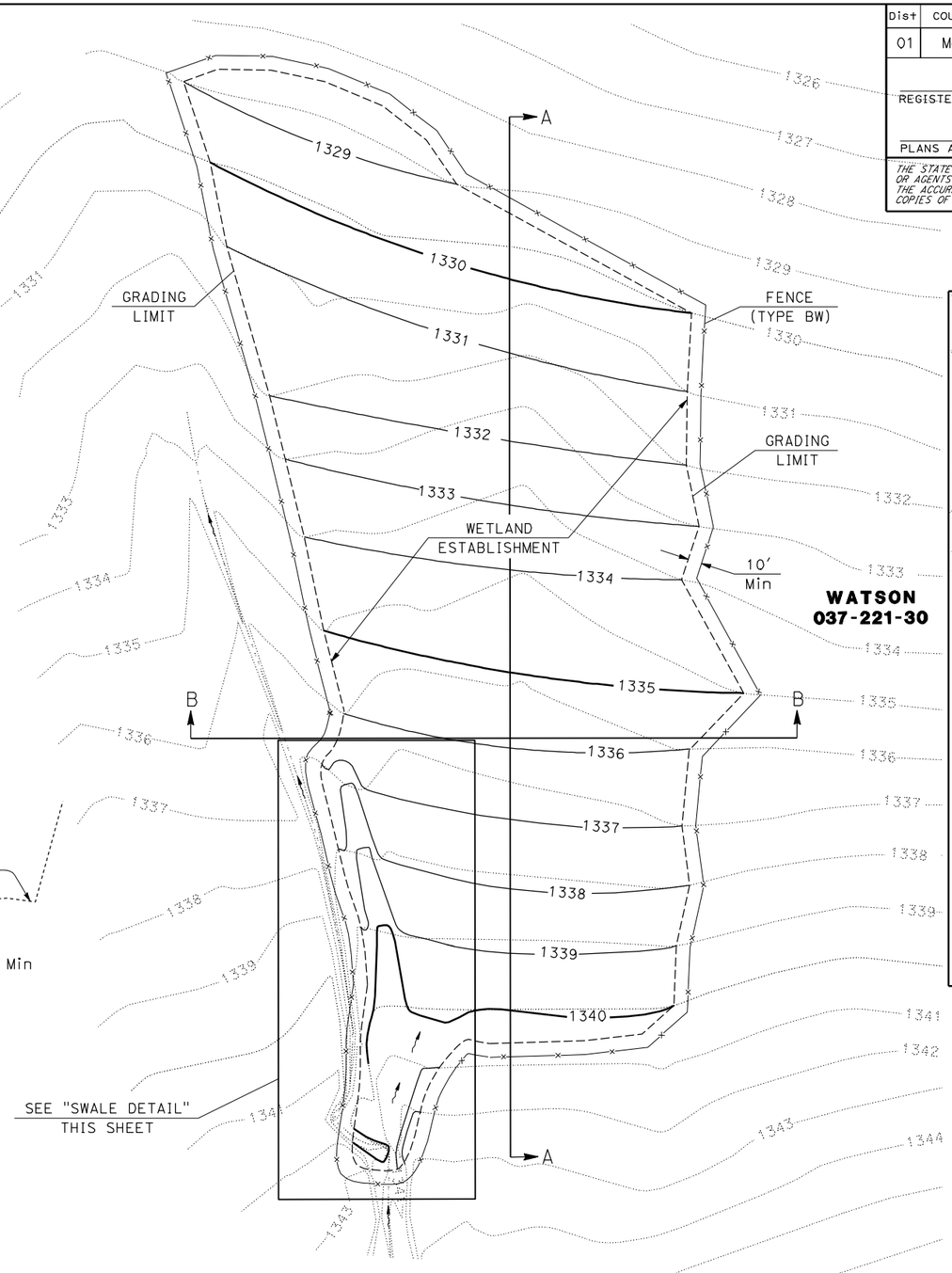
SECTION B-B



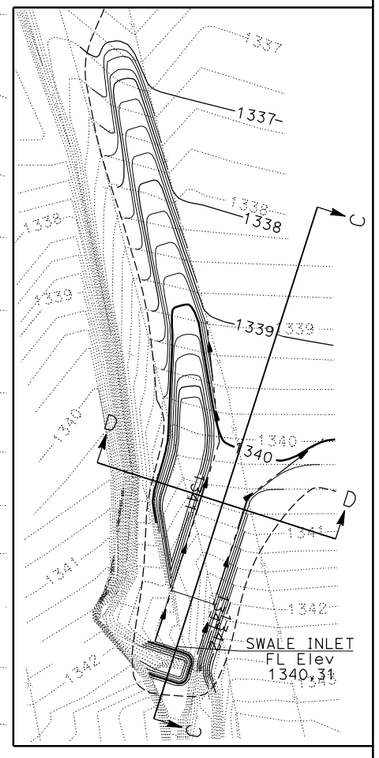
SECTION A-A

SCALE: 1"= 50′ H
1"= 25′ V

TYPICAL SECTIONS



WATSON
037-221-30



SWALE DETAIL

CONTOUR INTERVAL=¼′

WATSON PARCEL
WETLAND ESTABLISHMENT
GROUP 1 - (1.0 CREDIT)

CONTOUR GRADING

SCALE: 1"=50′

CONTOUR INTERVAL = 1′

G-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
03-DESIGN EAST
FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES
CALCULATED-DESIGNED BY: MITCH ANDRUS
CHECKED BY: SCOTT FOSTER
REVISED BY | DATE REVISED

LAST REVISION 09-24-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 12:18

BORDER LAST REVISED 7/2/2010
USERNAME => s114430
DGN FILE => WE1-004.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0307
PROJECT NUMBER & PHASE 01000000054

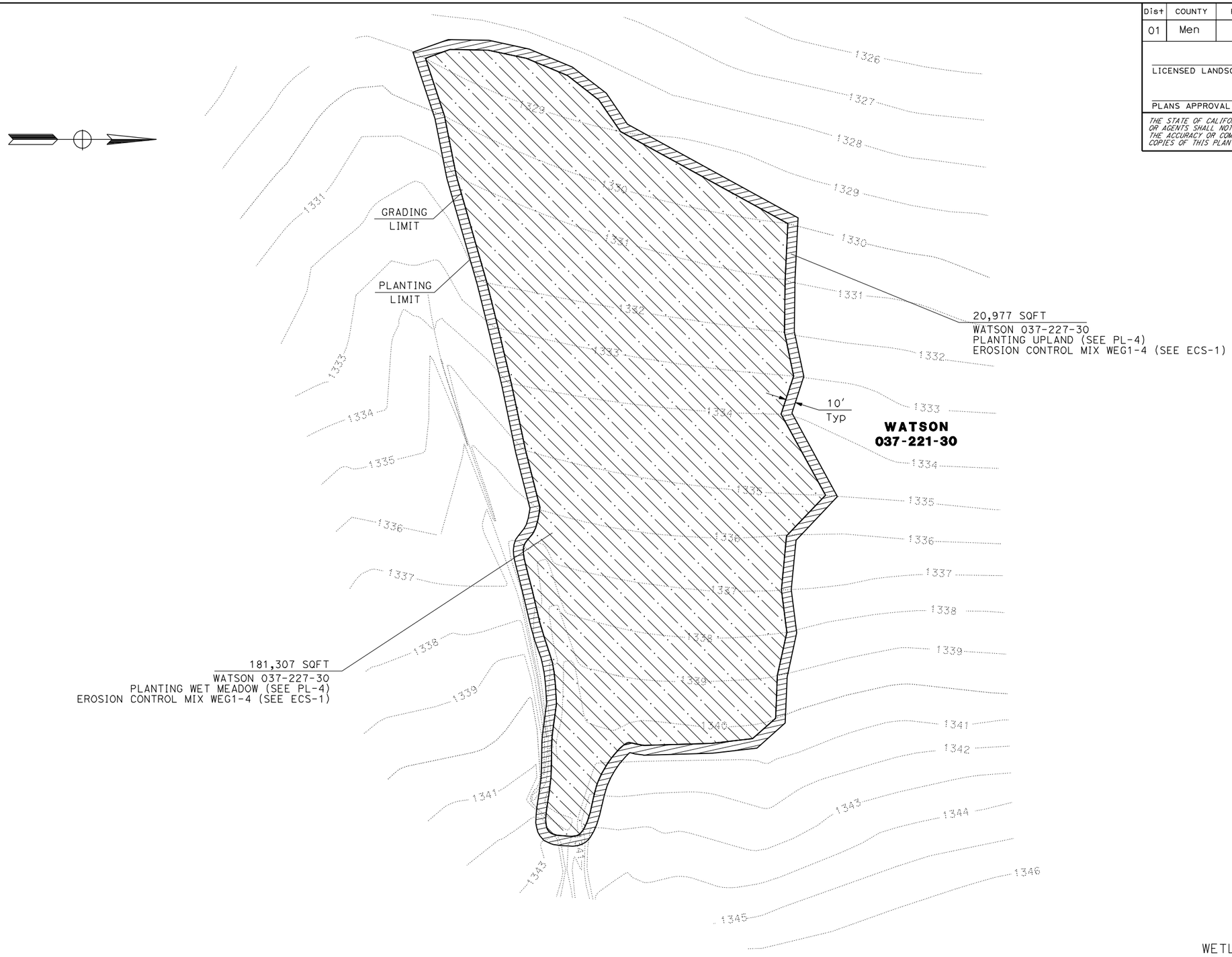
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



WATSON PARCEL
WETLAND ESTABLISHMENT
GROUP 1 - (1.0 CREDIT)

PLANTING PLAN

SCALE: 1"=50'

PP-4

LAST REVISION 00-00-00
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 12:32

REVISED BY | DATE REVISED

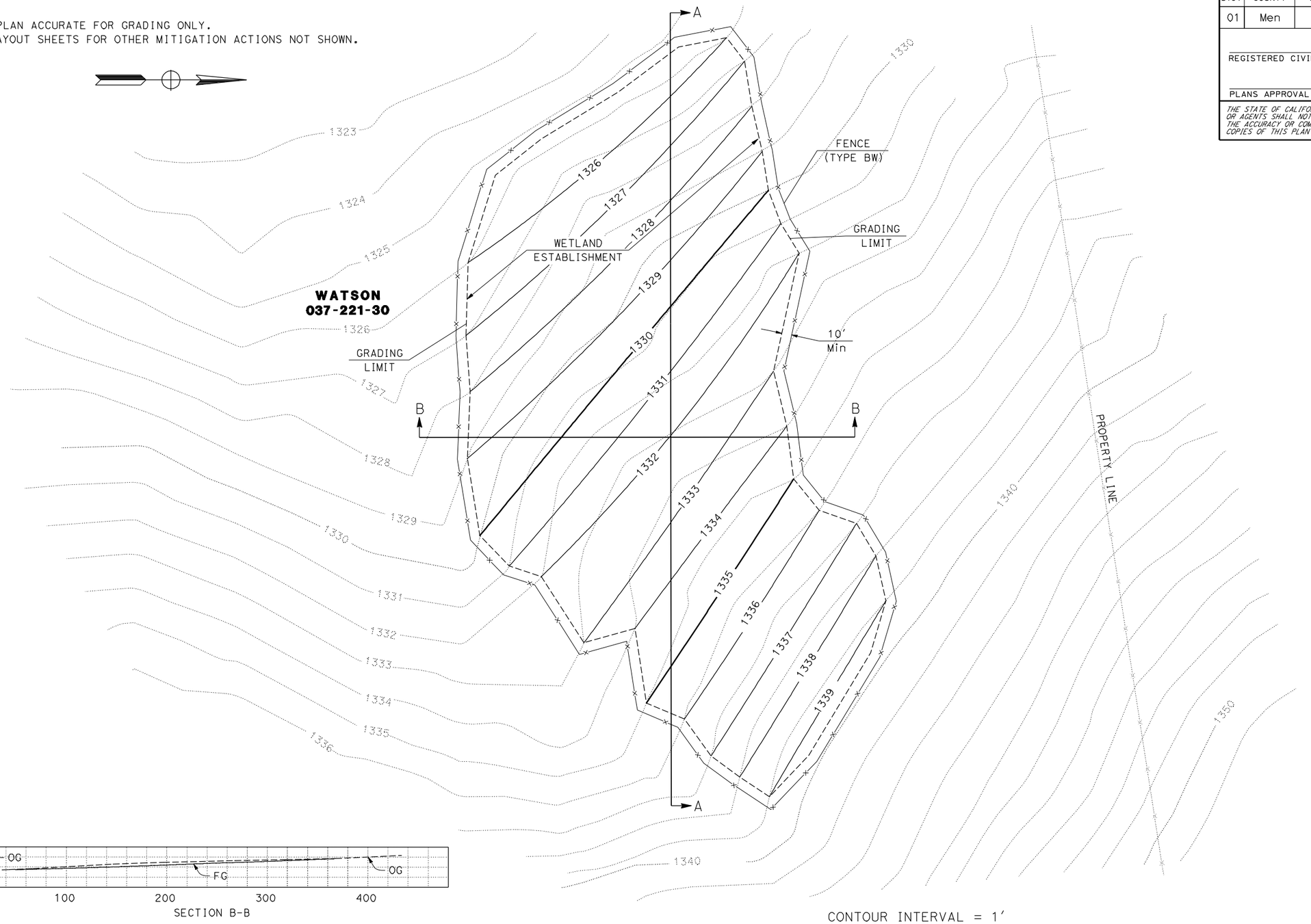
CALCULATED-DESIGNED BY | CHECKED BY

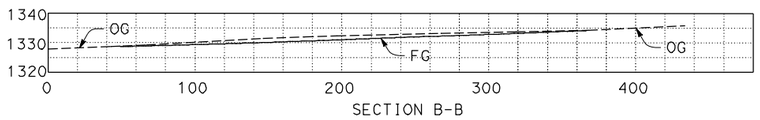
SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

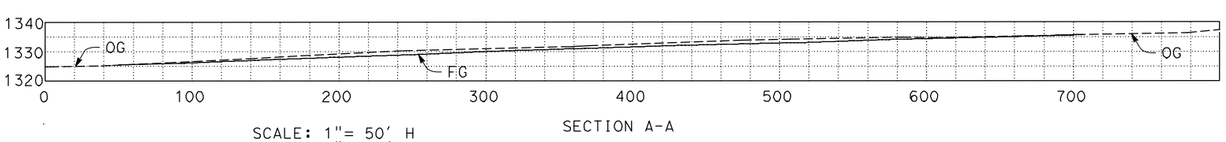
BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => PP-004.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

NOTES:
1. THIS PLAN ACCURATE FOR GRADING ONLY.
2. SEE LAYOUT SHEETS FOR OTHER MITIGATION ACTIONS NOT SHOWN.





SECTION B-B



SECTION A-A

SCALE: 1"= 50' H
1"= 25' V

TYPICAL SECTIONS

CONTOUR INTERVAL = 1'

WATSON PARCEL
WETLAND ESTABLISHMENT
GROUP 1 - (1.0 CREDIT)

CONTOUR GRADING

SCALE: 1"=50'

G-5

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
MITCH ANDRUS	SCOTT FOSTER

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **03-DESIGN EAST**

LAST REVISION 09-24-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 12:18

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => WE1-005.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

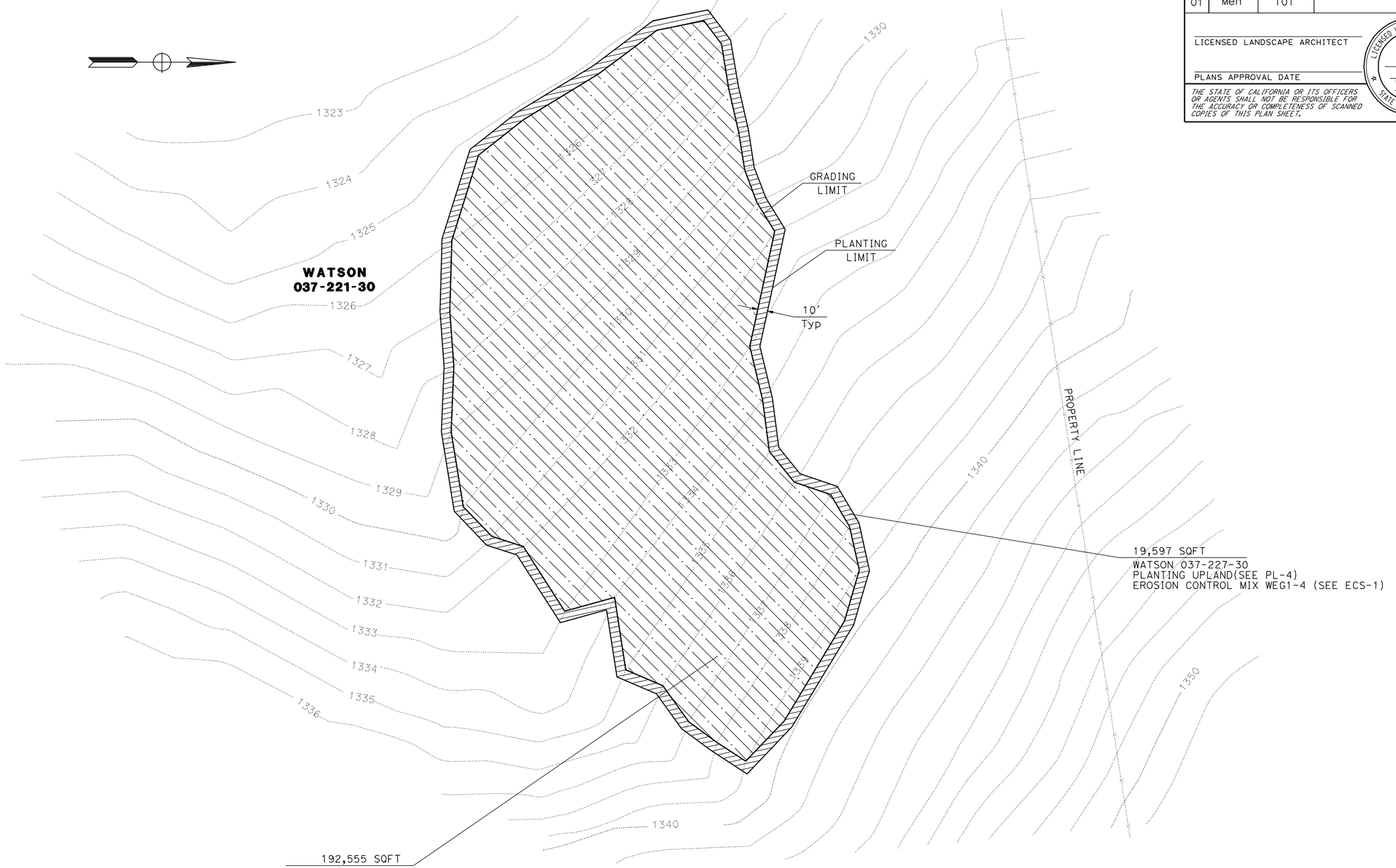
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



WATSON PARCEL
WETLAND ESTABLISHMENT
GROUP 1 - (1.0 CREDIT)

PLANTING PLAN

SCALE: 1"=50'

PP-5

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY

CHECKED BY

SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® 03 - LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00

DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 12:33

BORDER LAST REVISED 7/2/2010

USERNAME => s114430
DGN FILE => PP-005.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0381

PROJECT NUMBER & PHASE 01000000051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

WILLITS
LUSHER 038-060-08
BROOKE 038-040-09
BROOKE 038-020-11
BROOKE 109-020-03
BROOKE 108-030-01
NIESEN 108-040-02
LUSHER 108-030-03
NORTH COAST RAILROAD AUTHORITY
ROUTE 101
FORD 108-030-02
FORD 108-020-04
FORD 108-010-06
HUFF 037-240-RW
LUSHER 108-030-04
HUFFMAN 108-040-08
G-13
G-11
G-12
FORD 108-030-05
E. COMMERCIAL ST
ROUTE 101
G-8
BENBOW 108-030-07
BENBOW 108-020-06
FORD 108-010-05
WATSON 037-250-05
TAYLOR 037-230-16
TAYLOR 037-210-14
BENBOW 007-020-03
BENBOW 007-010-04
G-6
BENBOW 108-040-13
G-7
G-9
WILDLANDS 108-070-08
WILDLANDS 108-020-07
G-10
G-15
WILDLANDS 108-070-08
WILDLANDS 108-060-01
WATSON 037-221-30
G-14
REYNOLDS HWY
TAYLOR 037-221-65
TAYLOR 037-210-16
CENTER VALLEY RD
HEARST ROAD
WILDLANDS 108-070-09
WILDLAND 108-060-02
NANCE 108-050-06
HEARST ROAD
FROST 108-070-04
CENTER VALLEY RD
VALLEY ROAD
REYNOLDS HWY
MGC PLASMA 103-250-16
ARKELIAN 103-230-04
GOSS 103-230-02
MGC PLASMA 103-250-14
MGC PLASMA 103-230-06

KEYMAP
WETLAND ESTABLISHMENT GROUP 2 - (0.3 CREDIT) CONTOUR GRADING

NO SCALE

K-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03-DESIGN EAST

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES
CALCULATED-DESIGNED BY: MELISSA HAURY
CHECKED BY: MITCH ANDRUS
REVISED BY
DATE REVISED

LAST REVISION 09-27-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 12:18

BORDER LAST REVISED 7/1/2010
USERNAME => s114430
DGN FILE => WE2-000keymap3.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0307
PROJECT NUMBER & PHASE 01000000054

NOTES:
1. THIS PLAN ACCURATE FOR GRADING ONLY.
2. SEE LAYOUT SHEETS FOR OTHER MITIGATION ACTIONS NOT SHOWN.

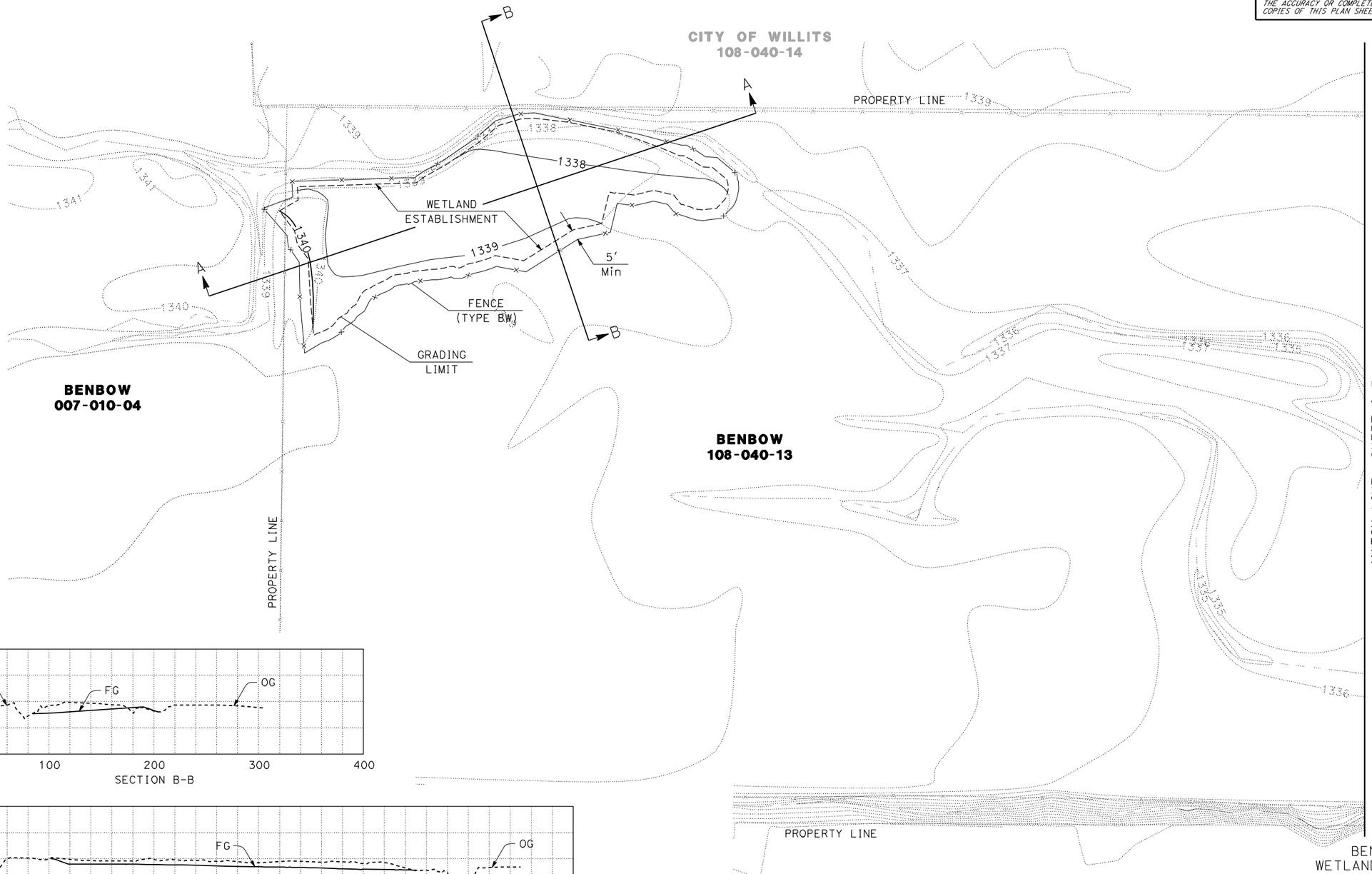
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

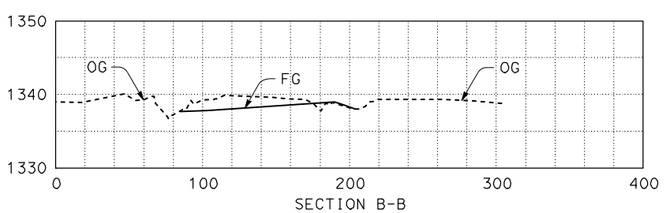
REGISTERED CIVIL ENGINEER DATE

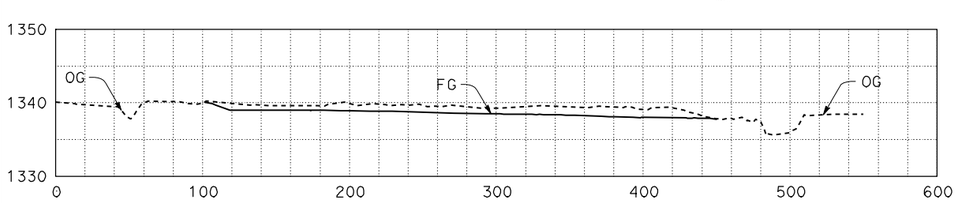
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.







TYPICAL SECTIONS

SCALE: 1"= 50' H
1"= 10' V

CONTOUR INTERVAL = 1'

BENBOW PARCEL
WETLAND ESTABLISHMENT
GROUP 2 - (0.3 CREDIT)

CONTOUR GRADING

SCALE: 1"=50'

G-6

LAST REVISION 09-24-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 12:18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
03-DESIGN EAST

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES
CALCULATED-DESIGNED BY: MITCH ANDRUS
CHECKED BY: VINCENT MITCHELL
REVISED BY
DATE REVISED

BORDER LAST REVISED 7/2/2010
USERNAME => s114430
DGN FILE => WE2-006.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0307
PROJECT NUMBER & PHASE 01000000054

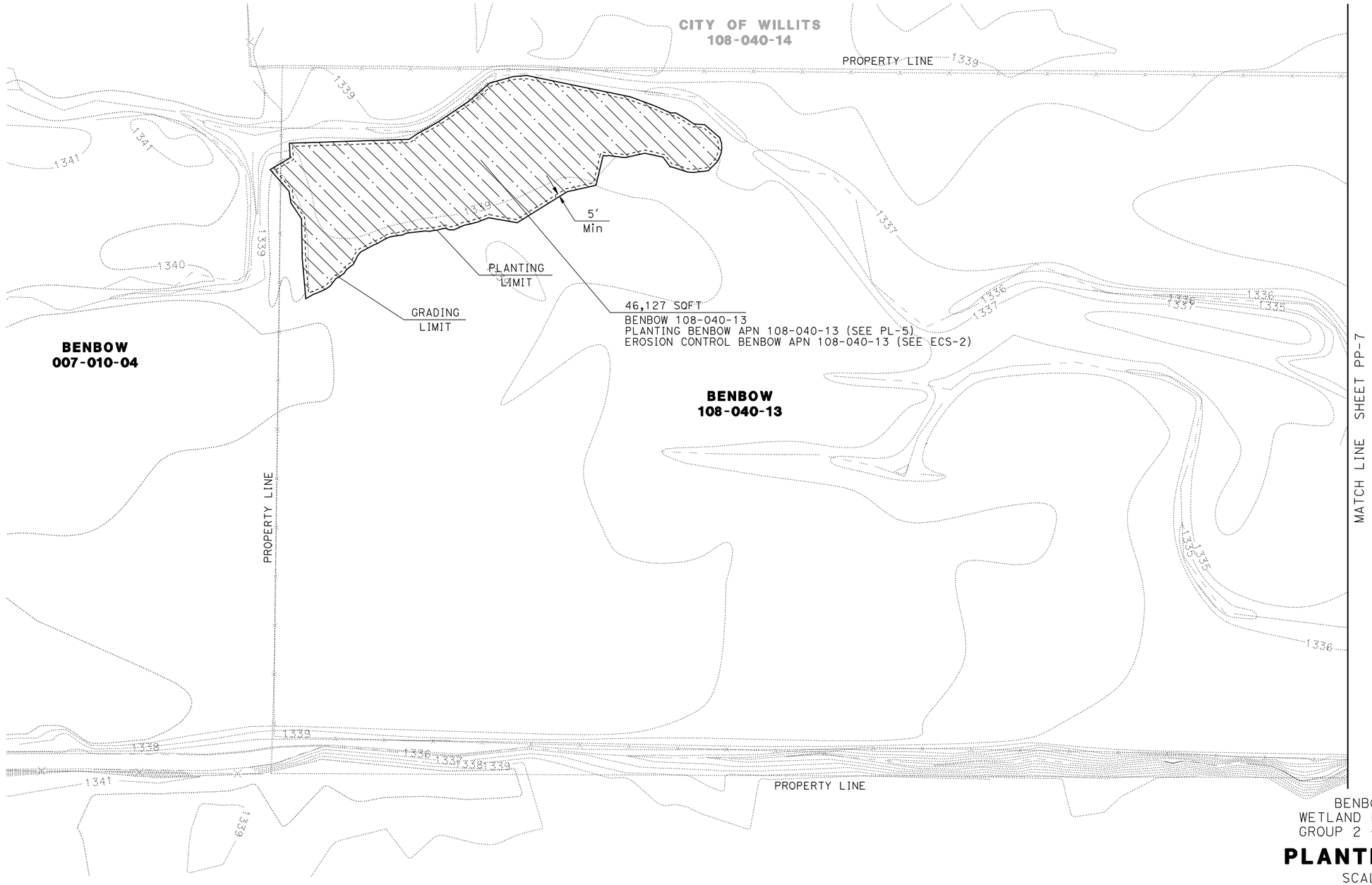
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



BENBOW PARCEL
WETLAND ESTABLISHMENT
GROUP 2 - (0.3 CREDIT)

PLANTING PLAN

SCALE: 1"=50'

PP-6

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® 03 - LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 12:33

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => PP-006.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

NOTES:
1. THIS PLAN ACCURATE FOR GRADING ONLY.
2. SEE LAYOUT SHEETS FOR OTHER MITIGATION ACTIONS NOT SHOWN.

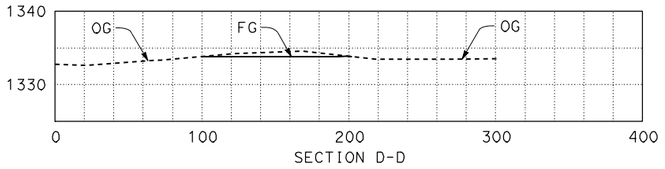
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

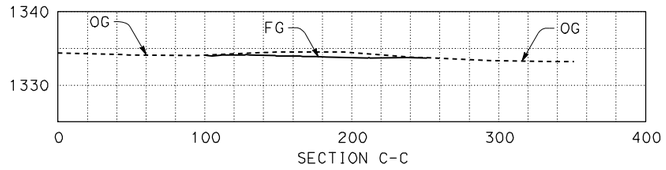
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



SECTION D-D



SECTION C-C

CITY OF WILLITS
108-040-14

PROPERTY LINE

MATCH LINE SHEET G-6

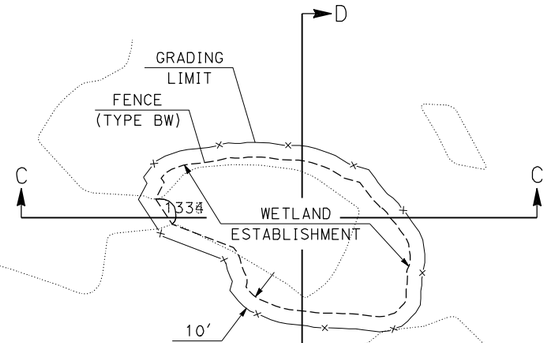
GRADING LIMIT

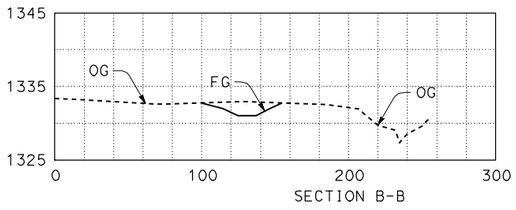
FENCE (TYPE BW)

WETLAND ESTABLISHMENT

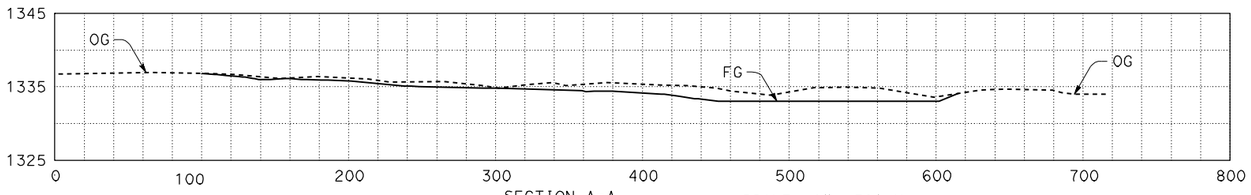
10′ Min

BENBOW
108-040-13





SECTION B-B



SECTION A-A

TYPICAL SECTIONS

SCALE: 1"= 50′ H
1"= 20′ V

PROPERTY LINE

WILDLANDS
108-070-08

BENBOW PARCEL
WETLAND ESTABLISHMENT
GROUP 2 - (0.3 CREDIT)

CONTOUR GRADING

SCALE: 1"=50′

G-7

		REVISED BY	DATE REVISED
CALCULATED-DESIGNED BY	MITCH ANDRUS		
CHECKED BY	VINCENT MITCHELL		
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
03-DESIGN EAST

LAST REVISION 09-24-11 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 12:18

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => WE2-007.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF WILLITS
108-040-14

PROPERTY LINE

MATCH LINE SHEET PP-6

GRADING LIMIT

PLANTING LIMIT

58,936 SQFT
BENBOW 108-040-13
PLANTING BENBOW APN 108-040-13 (SEE PL-5)
EROSION CONTROL BENBOW APN 108-040-13 (SEE ECS-2)

BENBOW
108-040-13

3' Min

17, 709 SQFT
BENBOW 108-040-13
PLANTING
BENBOW APN 108-040-13 (SEE PL-5)
EROSION CONTROL
BENBOW APN 108-040-13 (SEE ECS-2)

GRADING LIMIT

PLANTING LIMIT

3' Min

PROPERTY LINE

WILDLANDS
108-070-08

BENBOW PARCEL
WETLAND ESTABLISHMENT
GROUP 2 - (0.3 CREDIT)

PLANTING PLAN

SCALE: 1"=50'

PP-7

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY

CHECKED BY

SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® 03 - LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00

DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 12:33

BORDER LAST REVISED 7/2/2010

USERNAME => s114430
DGN FILE => PP-007.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0381

PROJECT NUMBER & PHASE 01000000051

NOTES:
1. THIS PLAN ACCURATE FOR GRADING ONLY.
2. SEE LAYOUT SHEETS FOR PERIMETER FENCE AND GATES NOT SHOWN.

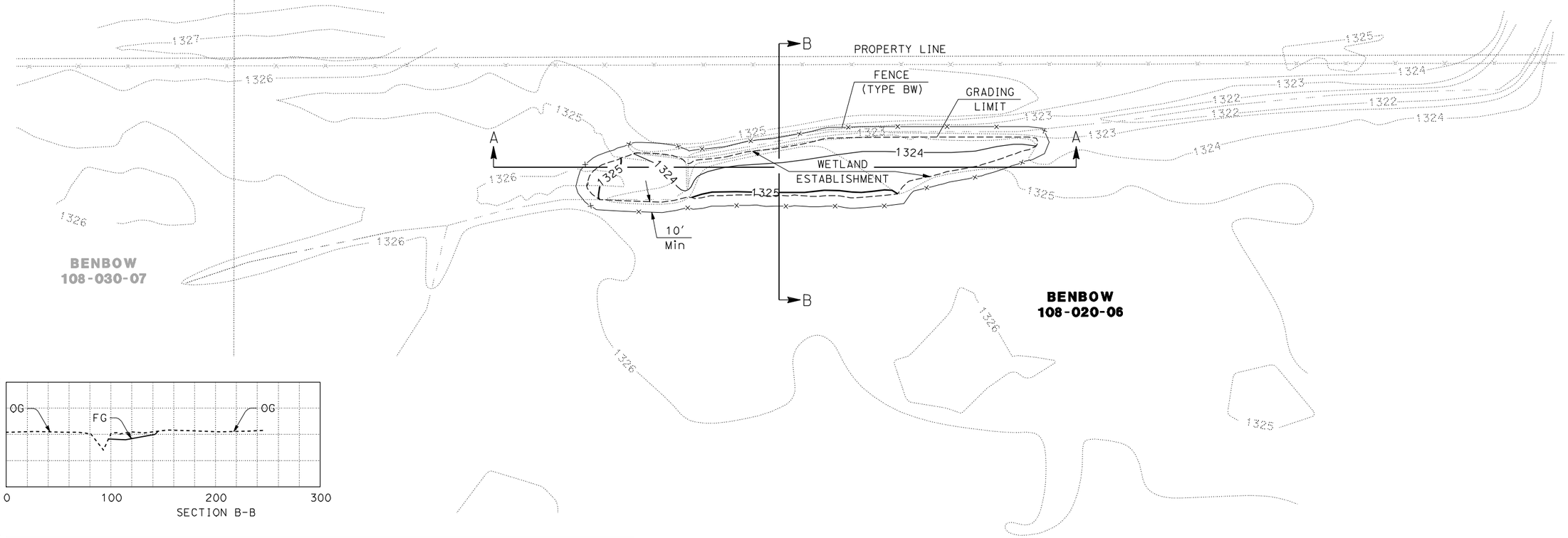
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

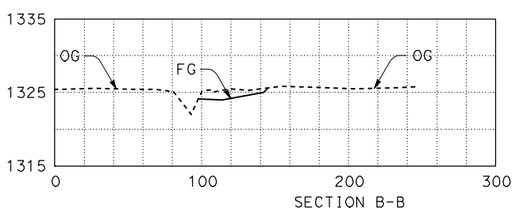
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

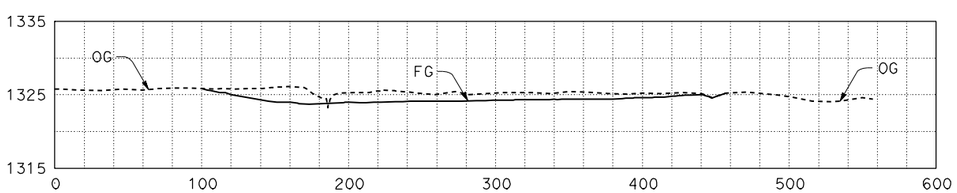
REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.





SECTION B-B



SECTION A-A

TYPICAL SECTIONS

SCALE: 1"= 50' H
1"= 10' V

CONTOUR INTERVAL = 1'

BENBOW PARCEL
WETLAND ESTABLISHMENT
GROUP 2 - (0.3 CREDIT)

CONTOUR GRADING

SCALE: 1"=50'

G-8

LAST REVISION 09-24-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 12:18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
03-DESIGN EAST

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES
CALCULATED-DESIGNED BY: MITCH ANDRUS
CHECKED BY: VINCENT MITCHELL
REVISED BY
DATE REVISED

BORDER LAST REVISED 7/2/2010

USERNAME => s114430
DGN FILE => WE2-008.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0307

PROJECT NUMBER & PHASE 01000000054

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

FORD
108-030-05

PROPERTY LINE

CITY OF WILLITS
108-030-06

CITY OF WILLITS
108-020-05

PROPERTY LINE

19,854 SQFT
BENBOW 108-020-06
PLANTING BENBOW APN 108-020-06 (SEE PL-5)
EROSION CONTROL BENBOW APN 108-020-06 (SEE ECS-2)

PROPERTY LINE

GRADING LIMIT

PLANTING LIMIT

3' Min

1325 1324 1323 1326

BENBOW
108-030-07

BENBOW
108-020-06

BENBOW PARCEL
WETLAND ESTABLISHMENT
GROUP 2 - (0.3 CREDIT)

PLANTING PLAN

SCALE: 1"=50'

PP-8

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 12:33

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => PP-008.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

NOTES:
1. THIS PLAN ACCURATE FOR GRADING ONLY.
2. SEE LAYOUT SHEETS FOR OTHER MITIGATION ACTIONS NOT SHOWN.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

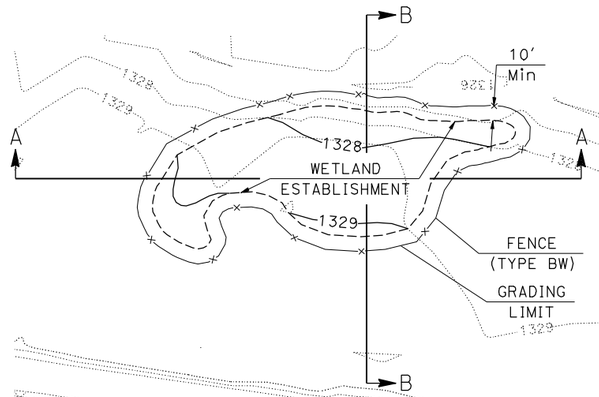
REGISTERED CIVIL ENGINEER DATE

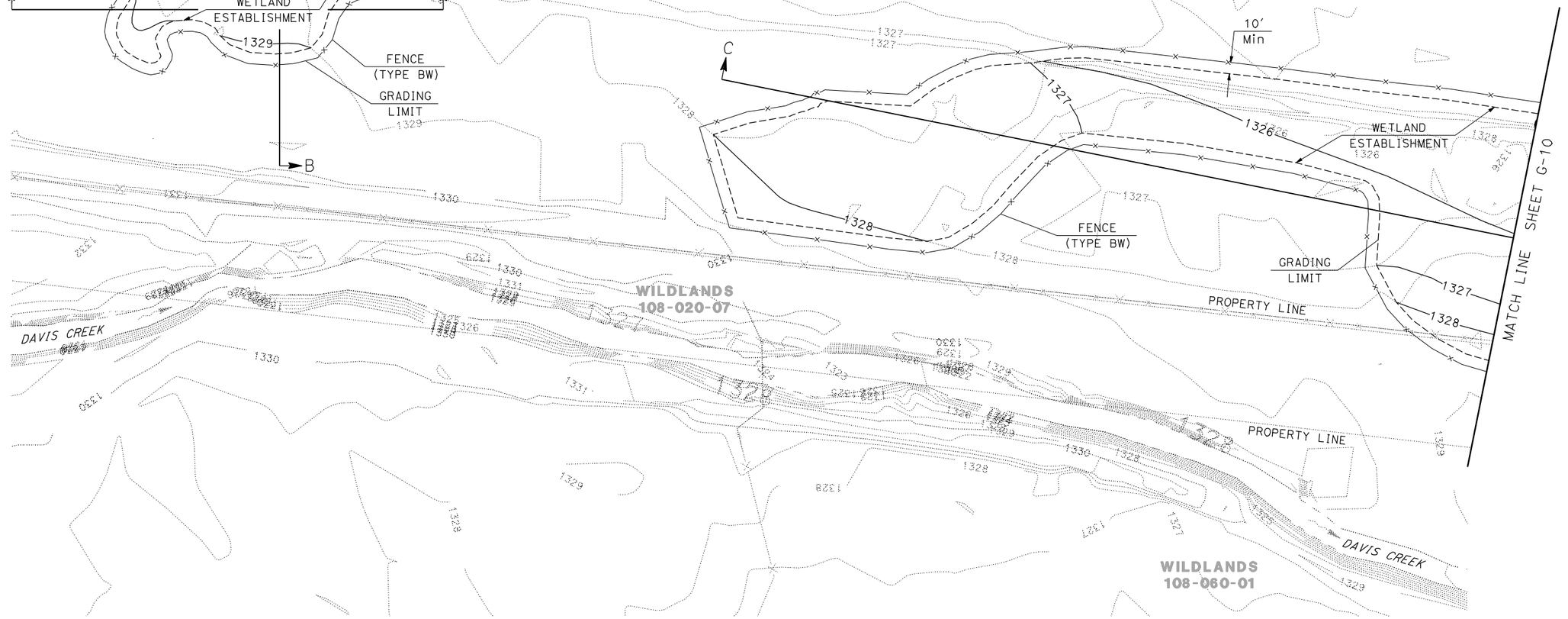
PLANS APPROVAL DATE

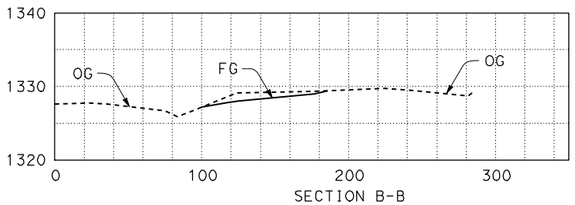
REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

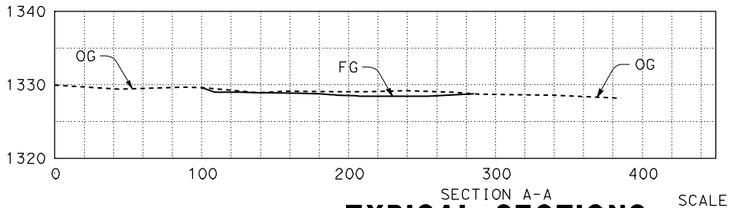
BENBOW
108-020-06







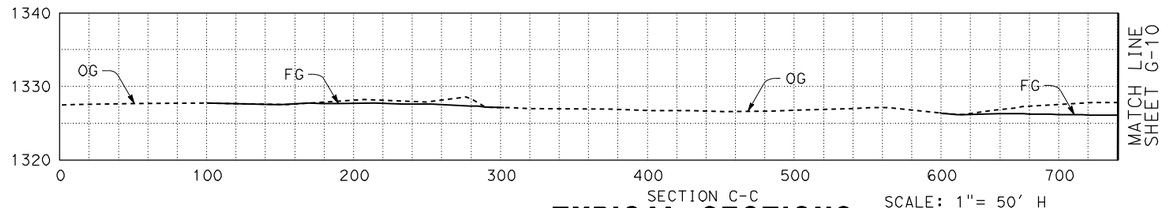
SECTION B-B



SECTION A-A

TYPICAL SECTIONS

SCALE: 1"= 50′ H
1"= 10′ V



SECTION C-C

TYPICAL SECTIONS

SCALE: 1"= 50′ H
1"= 10′ V

BENBOW/WILDLANDS PARCEL
WETLAND ESTABLISHMENT
GROUP 2 - (0.3 CREDIT)

CONTOUR GRADING

SCALE: 1"=50′

G-9

LAST REVISION 09-24-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 12:18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
03-DESIGN EAST

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

CALCULATED-DESIGNED BY: MITCH ANDRUS
CHECKED BY: VINCENT MITCHELL

REVISED BY	DATE REVISED

BORDER LAST REVISED 7/2/2010

USERNAME => s114430
DGN FILE => WE2-009.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0307

PROJECT NUMBER & PHASE 01000000054

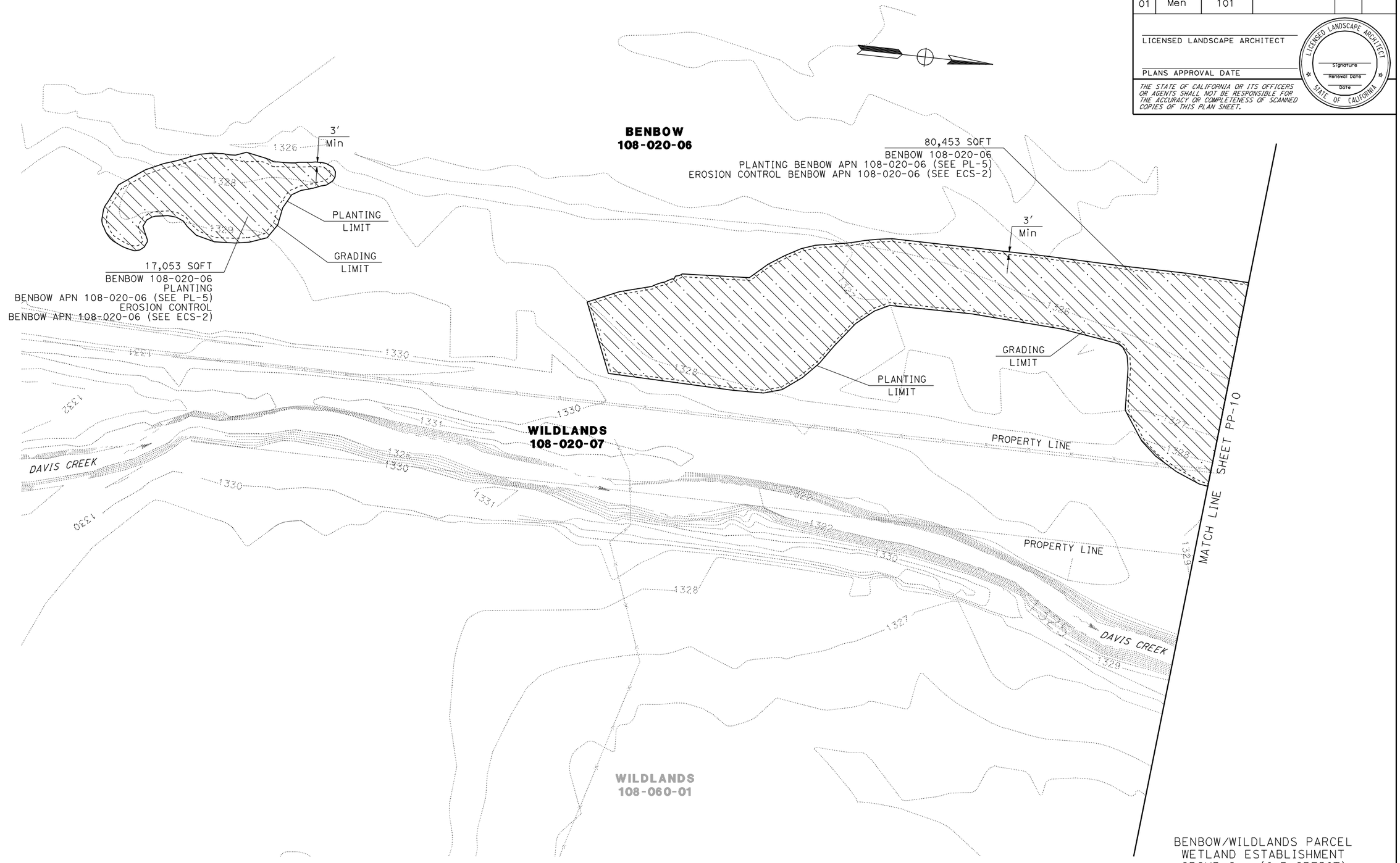
Dis+	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



BENBOW/WILDLANDS PARCEL
WETLAND ESTABLISHMENT
GROUP 2 - (0.3 CREDIT)

PLANTING PLAN

SCALE: 1"=50′

PP-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT

CALCULATED-DESIGNED BY

CHECKED BY

REVISED BY | DATE REVISED

LAST REVISION 00-00-00

DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 12:33

BORDER LAST REVISED 7/2/2010

USERNAME => s114430
DGN FILE => PP-009.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0381

PROJECT NUMBER & PHASE 01000000051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

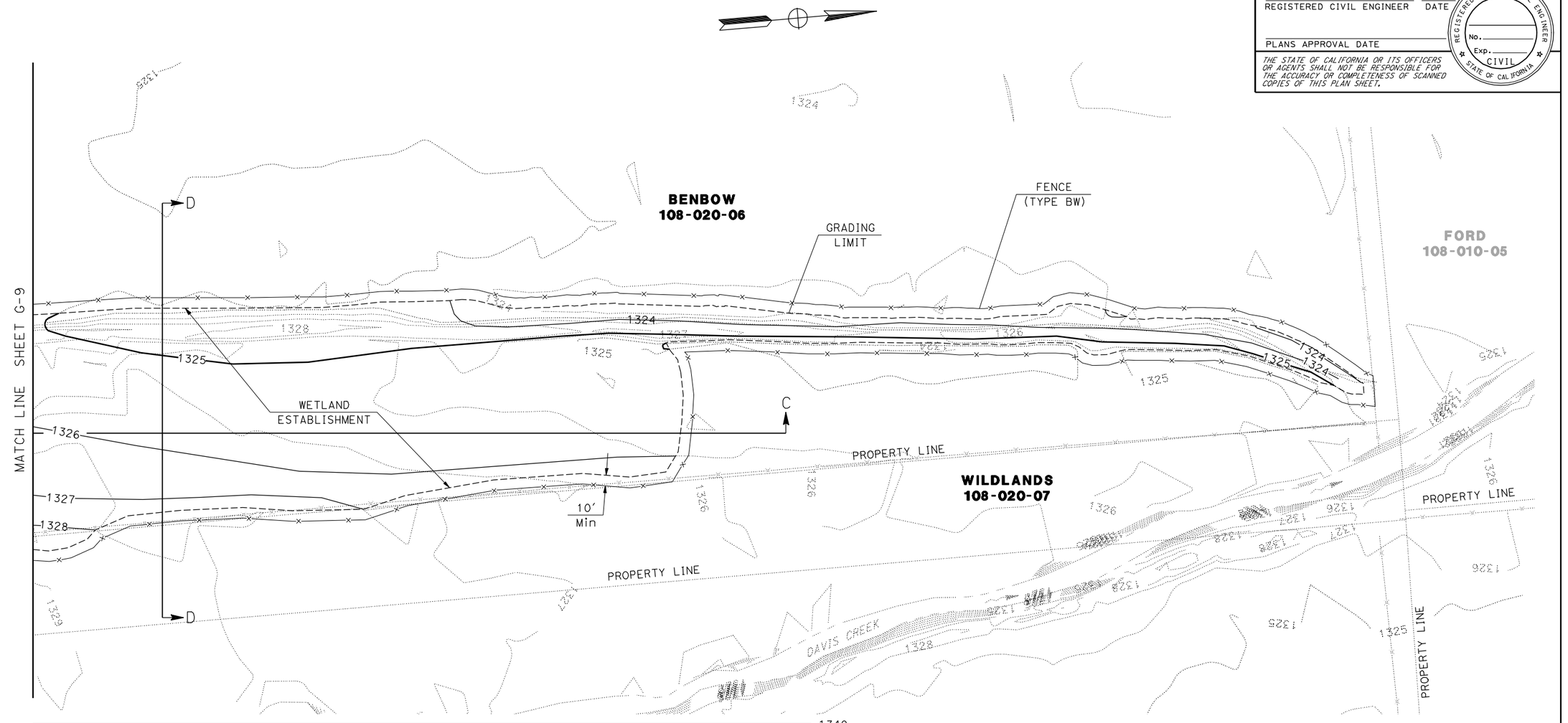
REGISTERED CIVIL ENGINEER DATE

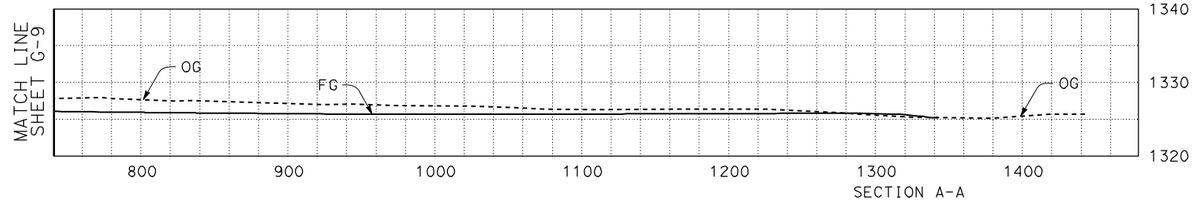
PLANS APPROVAL DATE

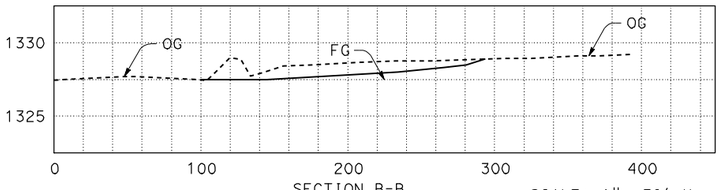
REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:
1. THIS PLAN ACCURATE FOR GRADING ONLY.
2. SEE LAYOUT SHEETS FOR OTHER MITIGATION ACTIONS NOT SHOWN.







TYPICAL SECTIONS

SCALE: 1"= 50' H
1"= 5' V

BENBOW/WILDLANDS PARCEL
WETLAND ESTABLISHMENT
GROUP 2 - (0.3 CREDIT)

CONTOUR GRADING

SCALE: 1"=50'

G-10

	REVISED BY	DATE REVISED
CALCULATED-DESIGNED BY	MITCH ANDRUS	
CHECKED BY	VINCENT MITCHELL	
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03-DESIGN EAST

LAST REVISION 09-24-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 12:18

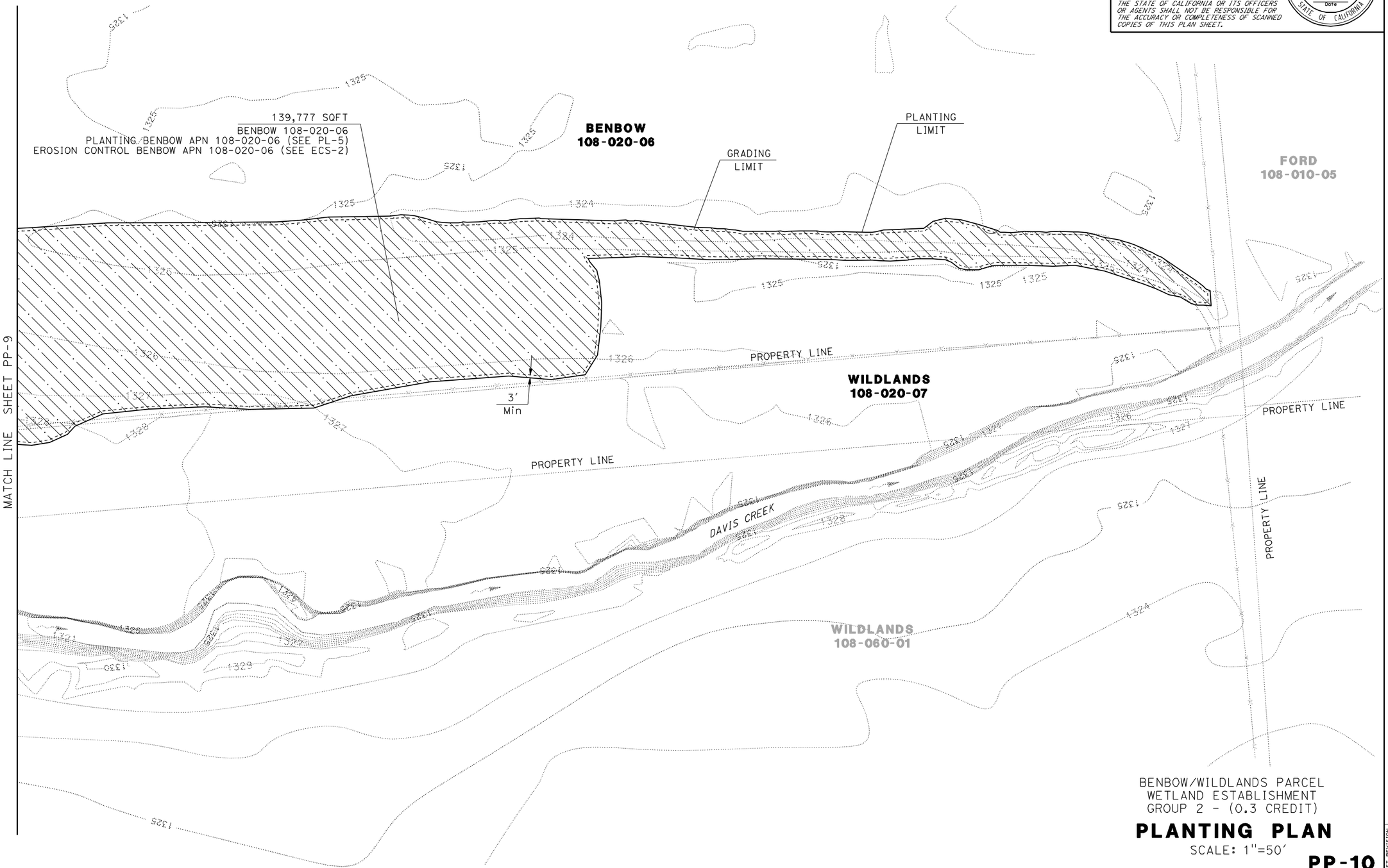
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



BENBOW/WILDLANDS PARCEL
WETLAND ESTABLISHMENT
GROUP 2 - (0.3 CREDIT)

PLANTING PLAN

SCALE: 1"=50'

PP-10

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® 03 - LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 12:33

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => PP-010.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

NOTES:
1. THIS PLAN ACCURATE FOR GRADING ONLY.
2. SEE LAYOUT SHEETS FOR OTHER MITIGATION ACTIONS NOT SHOWN.

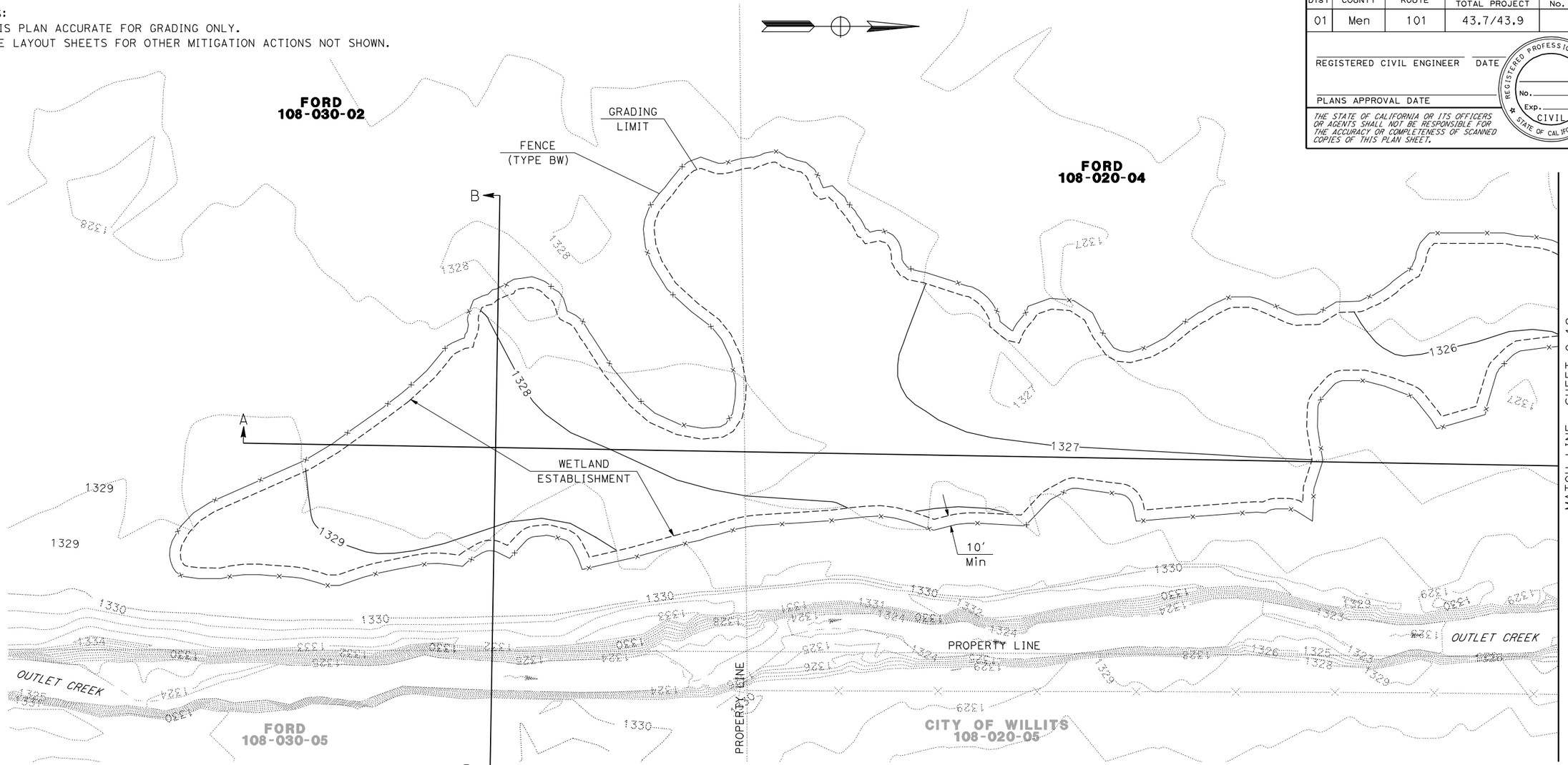
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

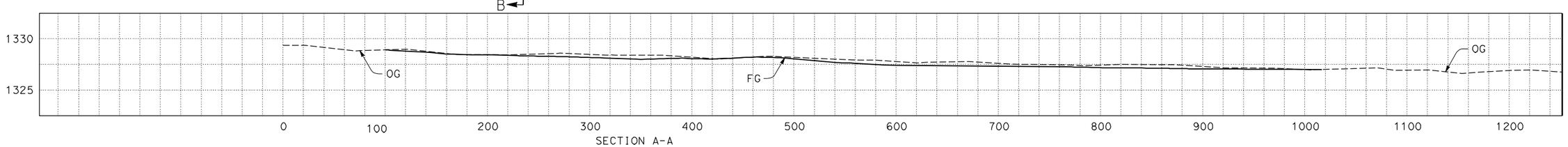
REGISTERED CIVIL ENGINEER DATE

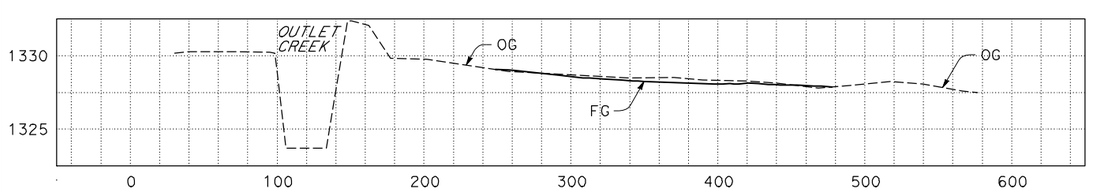
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.







TYPICAL SECTIONS

SCALE: 1"= 50' H
1"= 5' V

FORD PARCEL
WETLAND ESTABLISHMENT
GROUP 2 - (0.3 CREDIT)

CONTOUR GRADING

SCALE: 1"=50'

G-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03-DESIGN EAST
FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES
CALCULATED-DESIGNED BY: MITCH ANDRUS
CHECKED BY: VINCENT MITCHELL
REVISED BY | DATE REVISED

LAST REVISION 09-24-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 12:18

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => WE2-011.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

FORD
108-020-04

GRADING LIMIT

PLANTING LIMITS

FORD
108-030-02

250,507 SQFT
FORD 108-030-02
PLANTING FORD APN 108-030-02 (SEE PL-6)
EROSION CONTROL FORD APN 108-030-02 (SEE ECS-3)

3' Min

MATCH LINE SHEET PP-12

PROPERTY LINE

OUTLET CREEK

OUTLET CREEK

FORD
108-030-05

CITY OF WILLITS
108-020-05

FORD PARCEL
WETLAND ESTABLISHMENT
GROUP 2 - (0.3 CREDIT)

PLANTING PLAN

SCALE: 1"=50'

PP-11

LAST REVISION 00-00-00
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 12:33

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

BORDER LAST REVISED 7/2/2010

USERNAME => s114430
DGN FILE => PP-011.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0381

PROJECT NUMBER & PHASE 01000000051

NOTES:
1. THIS PLAN ACCURATE FOR GRADING ONLY.
2. SEE LAYOUT SHEETS FOR OTHER MITIGATION ACTIONS NOT SHOWN.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

FORD
108-020-04

MATCH LINE SHEET G-11

GRADING LIMIT

FENCE (TYPE BW)

10' Min

1325

WETLAND ESTABLISHMENT

1326

OUTLET CREEK

PROPERTY LINE

CITY OF WILLITS
108-020-05

OUTLET CREEK

MATCH LINE SHEET G-11

OG

FG

OG

1330
1325
1320

1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600

SECTION A-A

OUTLET CREEK

OG

FG

OG

1330
1325
1320

0 100 200 300 400 500

SECTION C-C

TYPICAL SECTIONS

SCALE: 1"= 50' H
1"= 5' V

FORD PARCEL
WETLAND ESTABLISHMENT
GROUP 2 - (0.3 CREDIT)

CONTOUR GRADING

SCALE: 1"=50'

G-12

LAST REVISION 09-24-11 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 12:18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03-DESIGN EAST

CALCULATED-DESIGNED BY: MITCH ANDRUS
CHECKED BY: VINCENT MITCHELL
FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

REVISED BY	DATE REVISED

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => WE2-012.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

FORD
108-020-04

201,826 SQFT
FORD 108-020-04
PLANTING FORD APN 108-020-04 (SEE PL-6)
EROSION CONTROL FORD APN 108-020-04 (SEE ECS-3)

PLANTING LIMIT

GRADING LIMIT

3' Min

MATCH LINE SHEET PP-11

OUTLET CREEK

PROPERTY LINE

OUTLET CREEK

CITY OF WILLITS
108-020-05

FORD PARCEL
WETLAND ESTABLISHMENT
GROUP 2 - (0.3 CREDIT)

PLANTING PLAN

SCALE: 1"=50'

PP-12

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 12:33

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => PP-012.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

NOTES:
1. THIS PLAN ACCURATE FOR GRADING ONLY.
2. SEE LAYOUT SHEETS FOR OTHER MITIGATION ACTIONS NOT SHOWN.

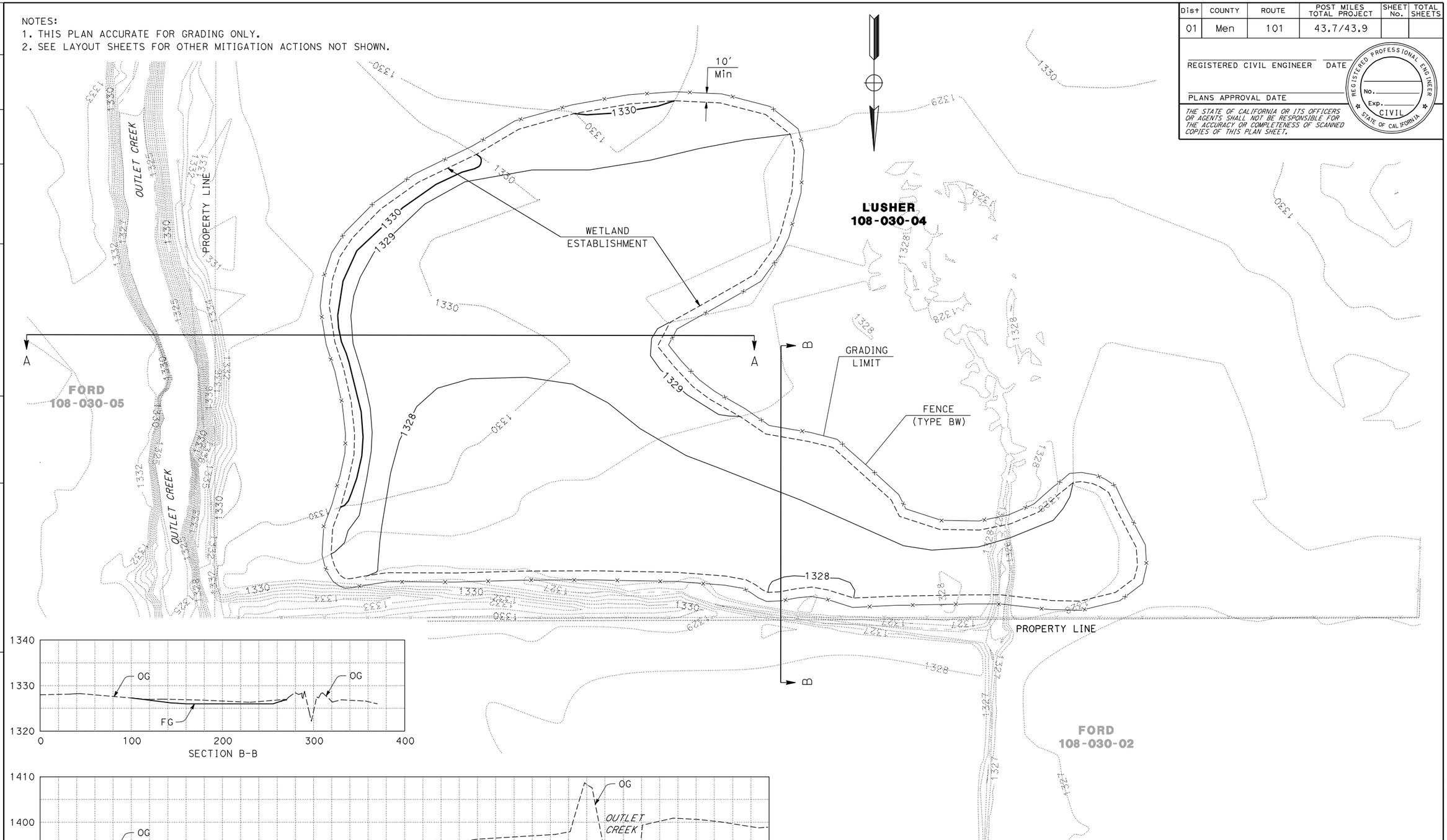
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

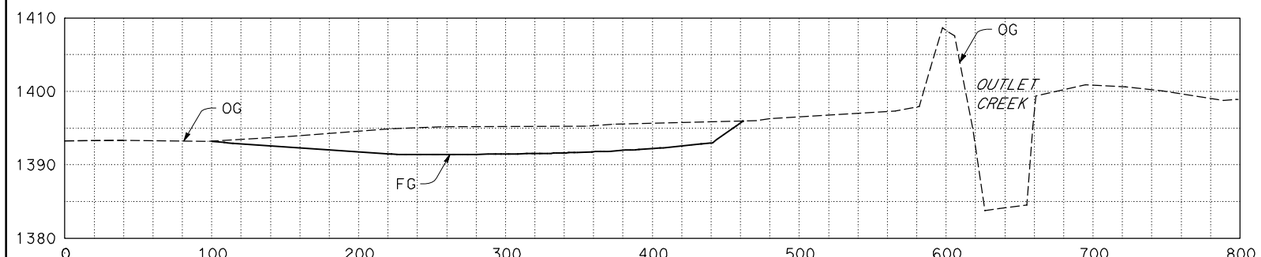
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



SECTION B-B



SECTION A-A

TYPICAL SECTIONS

SCALE: 1"= 50' H
1"= 10' V

LUSHER PARCEL
WETLAND ESTABLISHMENT
GROUP 2 - (0.3 CREDIT)

CONTOUR GRADING

SCALE: 1"=50'

G-13

LAST REVISION 09-24-11 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 12:18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03-DESIGN EAST

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

CALCULATED-DESIGNED BY: MITCH ANDRUS
CHECKED BY: VINCENT MITCHELL

DATE REVISED	REVISED BY

BORDER LAST REVISED 7/2/2010

USERNAME => s114430
DGN FILE => WE2-013.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0307

PROJECT NUMBER & PHASE 01000000054

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LUSHER
108-030-04

3'
Min

266,343 SQFT
LUSHER 108-030-04
PLANTING LUSHER APN 108-030-04 (SEE PL-7)
EROSION CONTROL LUSHER APN 108-030-04 (SEE ECS-4)

GRADING LIMIT

PLANTING LIMIT

PROPERTY LINE

~ OUTLET CREEK

FORD
108-030-05

FORD
108-030-02

LUSHER PARCEL
WETLAND ESTABLISHMENT
GROUP 2 - (0.3 CREDIT)

PLANTING PLAN

SCALE: 1"=50'

PP-13

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY
CHECKED BY
SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 12:33

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => PP-013.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

NOTES:
1. THIS PLAN ACCURATE FOR GRADING ONLY.
2. SEE LAYOUT SHEETS FOR OTHER MITIGATION ACTIONS NOT SHOWN.

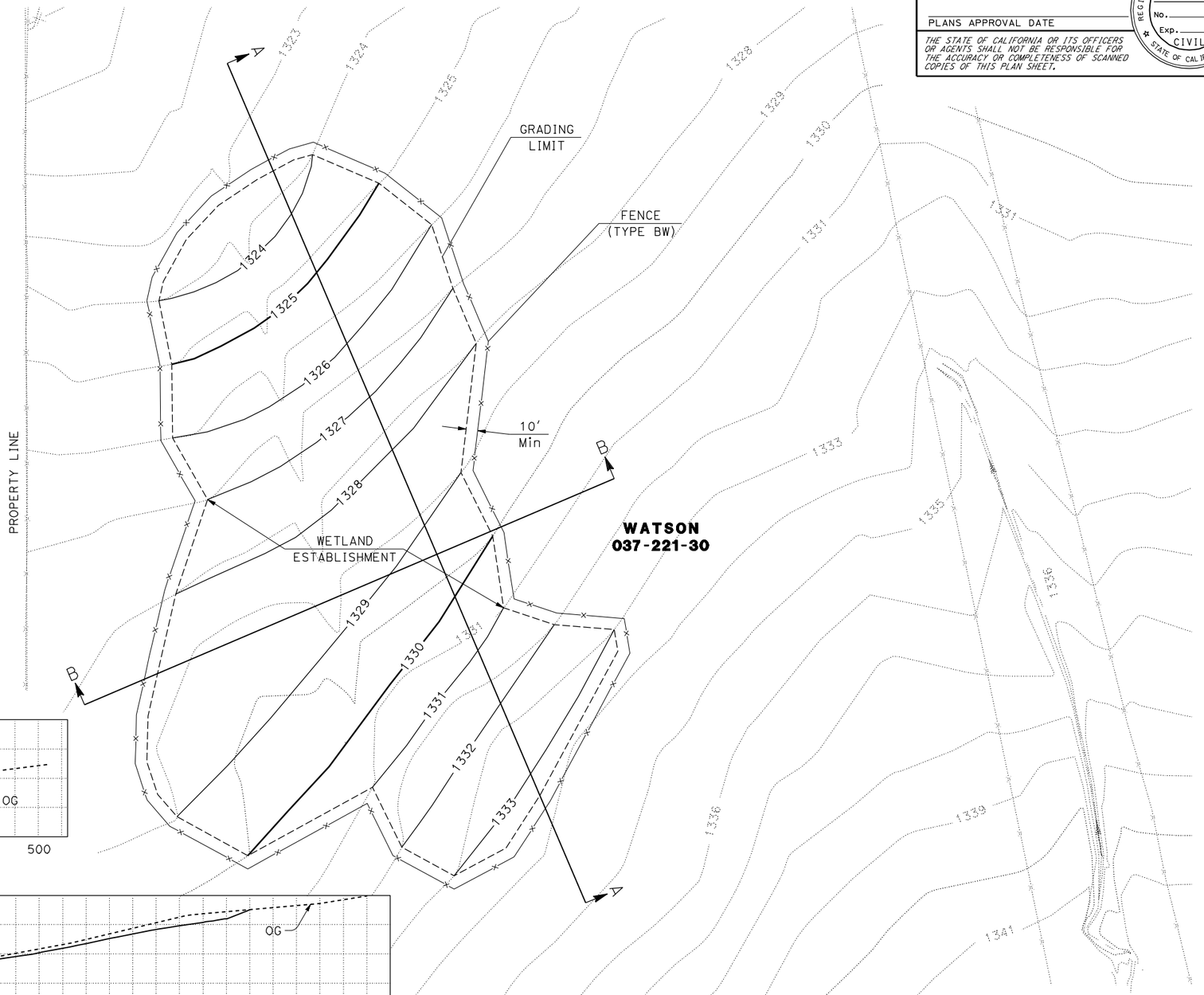
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

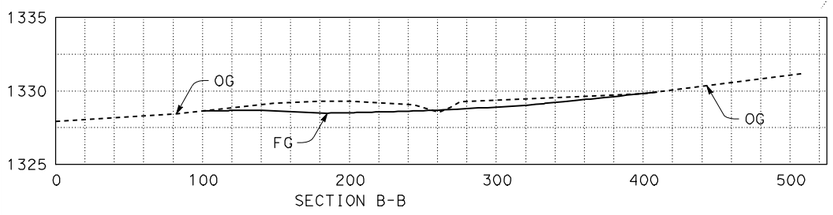
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

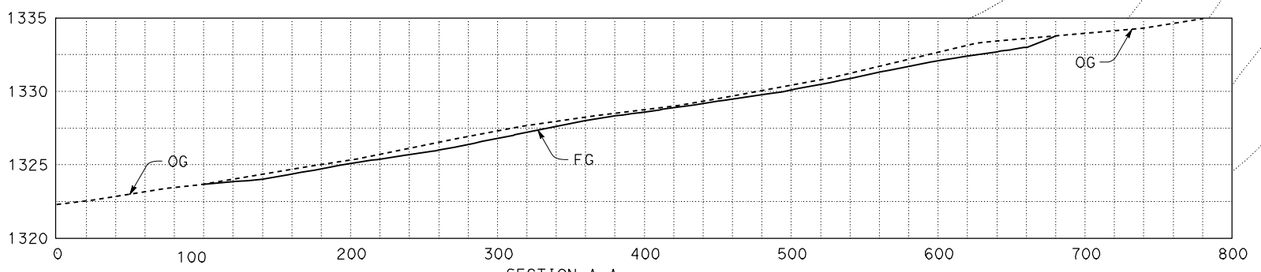
REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.





SECTION B-B



SECTION A-A

TYPICAL SECTIONS

SCALE: 1"= 50' H
1"= 5' V

WATSON PARCEL
WETLAND ESTABLISHMENT
GROUP 2 - (0.3 CREDIT)

CONTOUR GRADING

SCALE: 1"=50'

G-14

CALCULATED-DESIGNED BY	MITCH ANDRUS	REVISED BY	
CHECKED BY	VINCENT MITCHELL	DATE REVISED	
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES		
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	Caltrans® 03-DESIGN EAST		

LAST REVISION 09-24-11 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 12:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



WATSON PARCEL
WETLAND ESTABLISHMENT
GROUP 2 - (0.3 CREDIT)

PLANTING PLAN

SCALE: 1"=50′

PP-14

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® 03 - LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 12:33

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => PP-014.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

NOTES:
1. THIS PLAN ACCURATE FOR GRADING ONLY.
2. SEE LAYOUT SHEETS FOR OTHER MITIGATION ACTIONS NOT SHOWN.

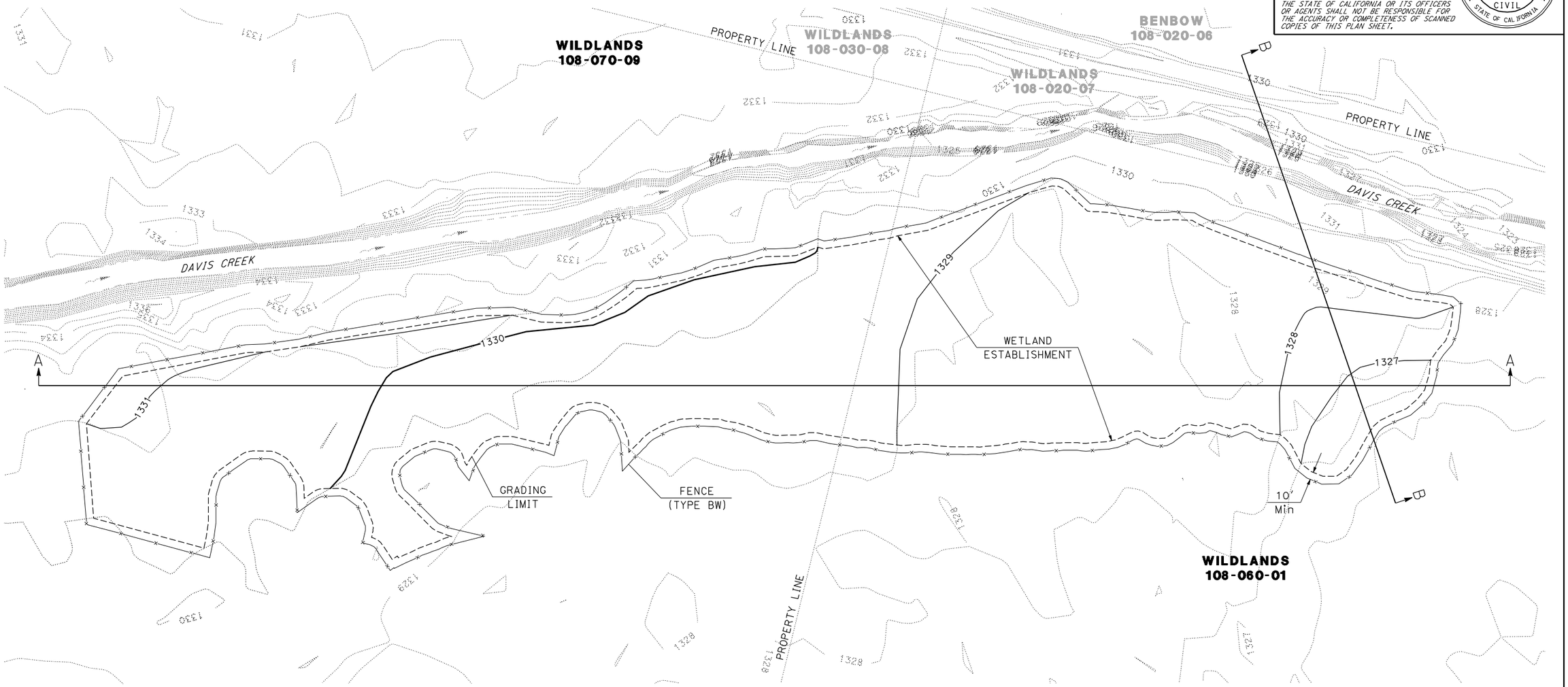
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

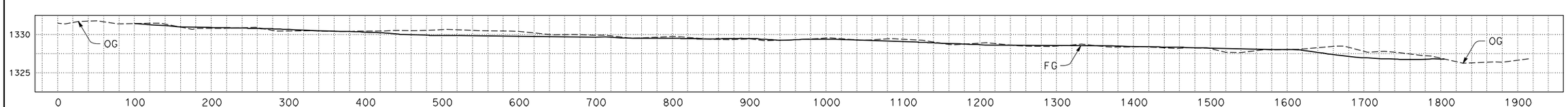
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

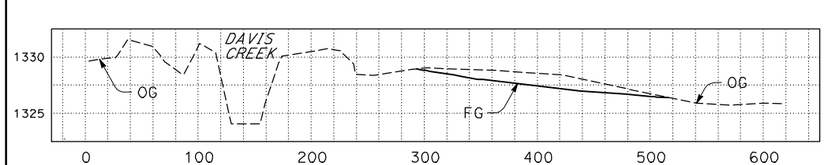
REGISTERED PROFESSIONAL ENGINEER — No. — Exp. — CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.





SECTION A-A



SECTION B-B

TYPICAL SECTIONS

SCALE: 1"= 50' H
1"= 5' V

WILDLANDS PARCEL
WETLAND ESTABLISHMENT
GROUP 2 (0.3 CREDIT)

CONTOUR GRADING

SCALE: 1"=65'

G-15

CALCULATED-DESIGNED BY	MITCH ANDRUS	REVISED BY	
CHECKED BY	VINCENT MITCHELL	DATE REVISED	
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES		
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	03-DESIGN EAST		

LAST REVISION 09-24-11 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 12:18

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => WE2-015.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

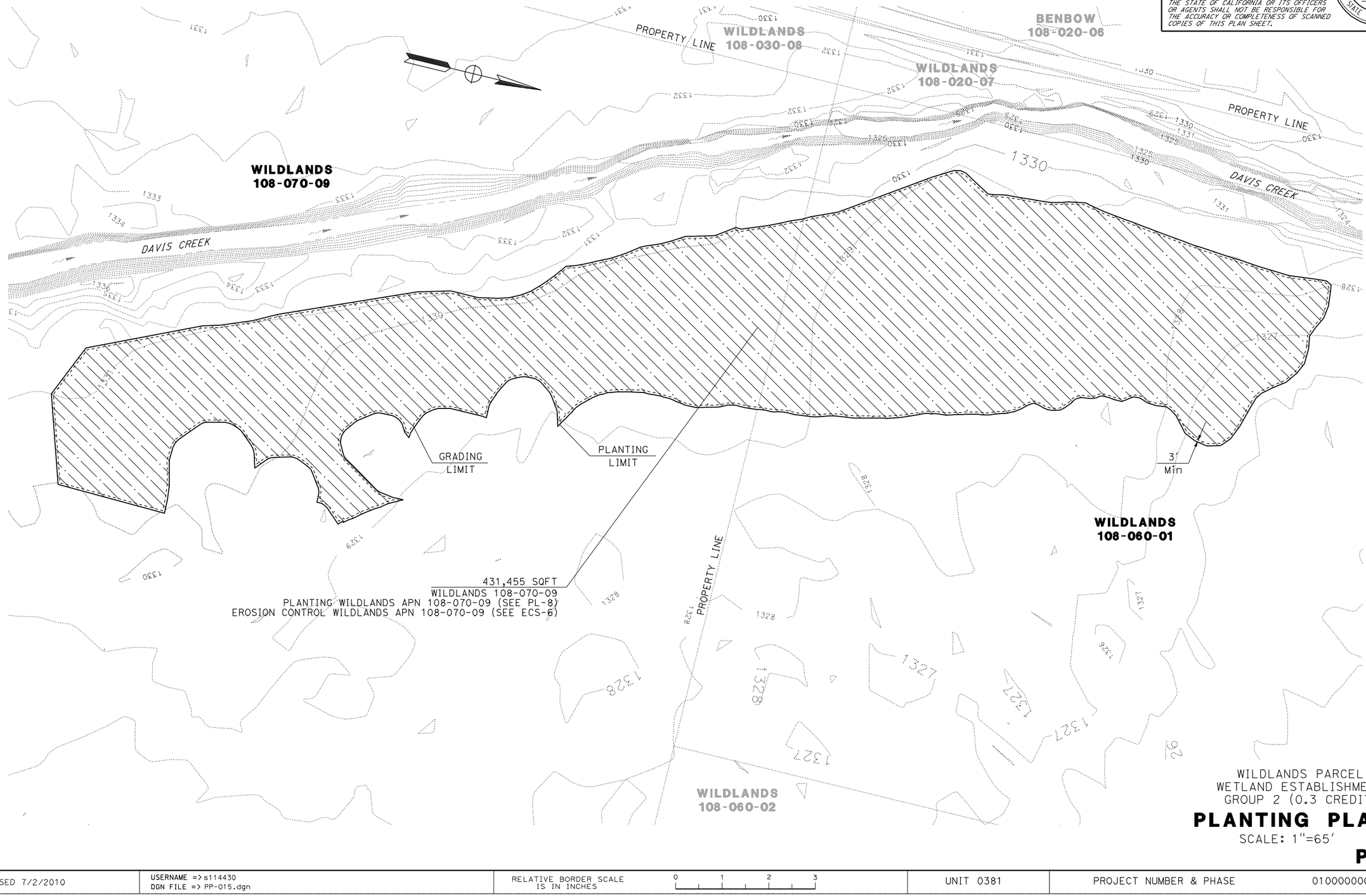
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



WILDLANDS PARCEL
WETLAND ESTABLISHMENT
GROUP 2 (0.3 CREDIT)

PLANTING PLAN

SCALE: 1"=65'

PP-15

LAST REVISION 00-00-00 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 12:33

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® 03 - LANDSCAPE ARCHITECTURE

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => PP-015.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

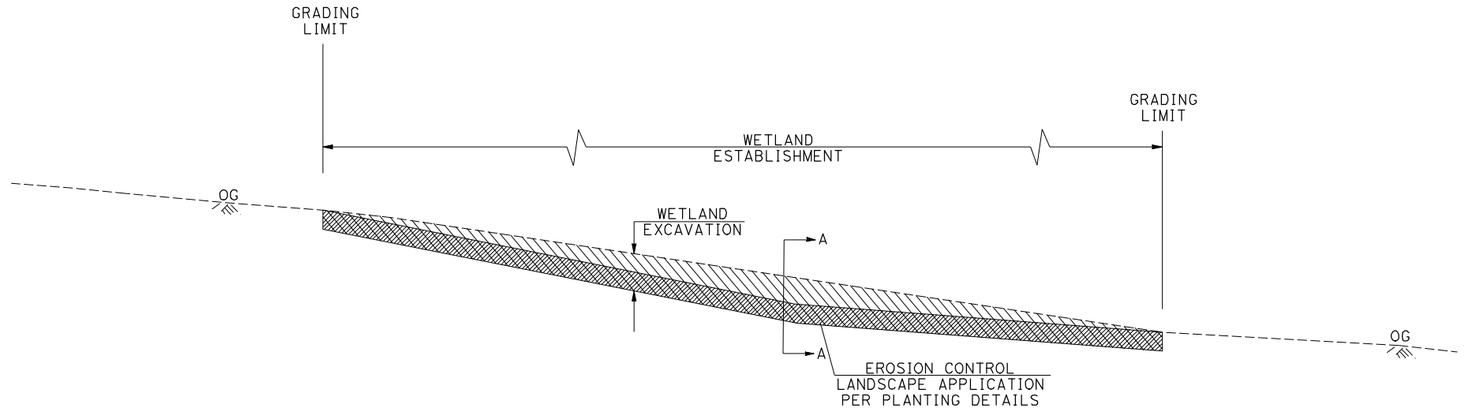
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

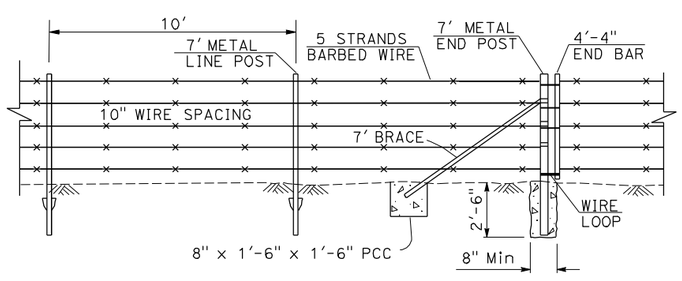
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

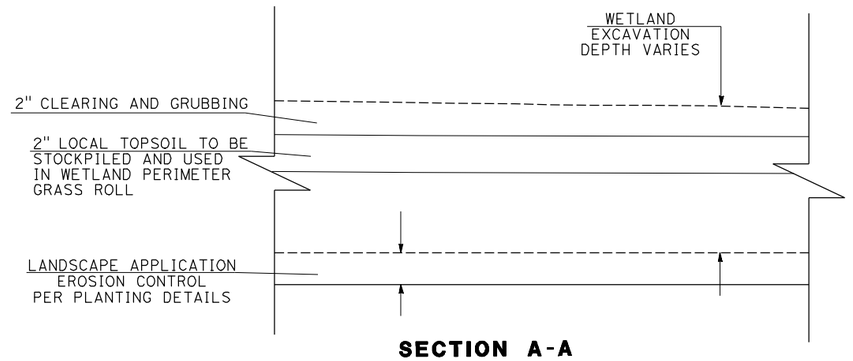
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



TYPICAL SECTION WETLAND ESTABLISHMENT



FENCE (TYPE BW)



SECTION A-A

GRADING DETAILS
WETLAND ESTABLISHMENT

CONTOUR GRADING DETAILS

NOT TO SCALE

GD-1

CALCULATED-DESIGNED BY	MITCH ANDRUS
CHECKED BY	VINCENT MITCHELL
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES
REVISED BY	
DATE REVISED	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03-DESIGN EAST

LAST REVISION 09-24-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 12:18

NOTES:

1. FOR COMPLETE PROPERTY BOUNDARY DATA, SEE R/W RECORD MAPS AT DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.

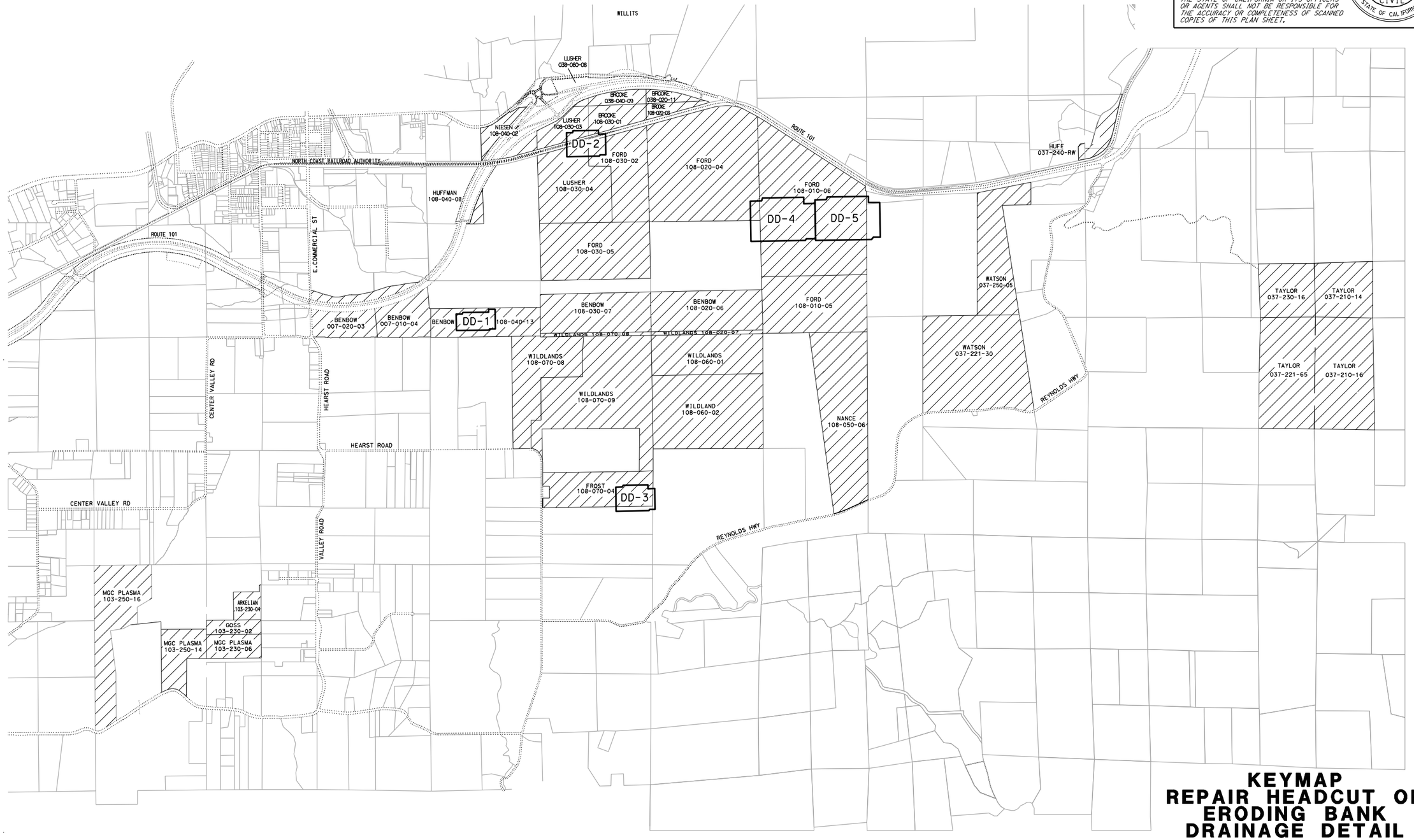
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



KEYMAP
REPAIR HEADCUT OR ERODING BANK DRAINAGE DETAIL

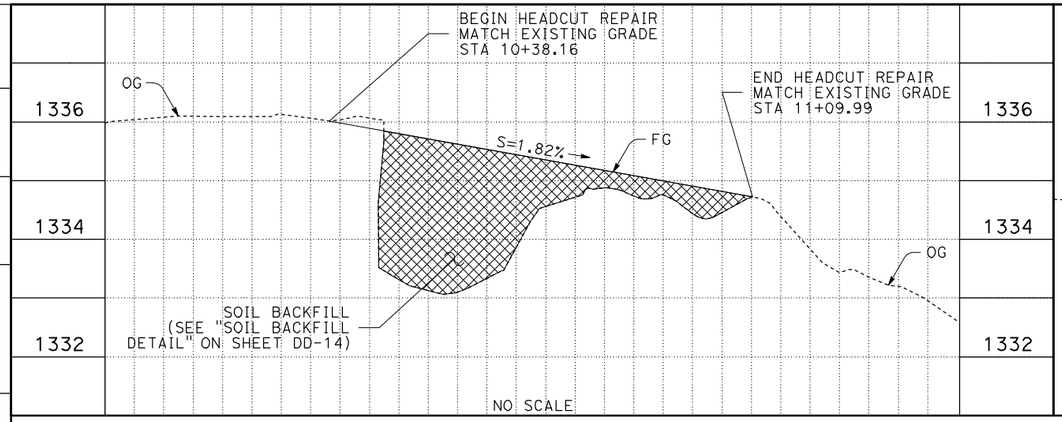
NO SCALE

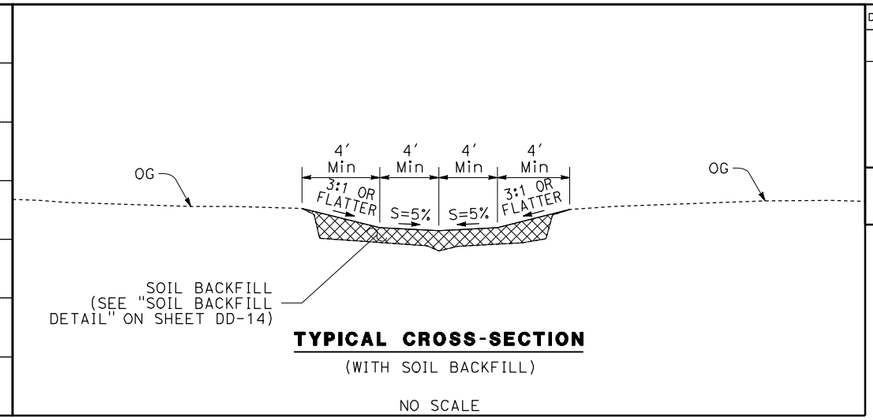
K-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	DATE REVISED	
Caltrans® 03-DESIGN EAST	DOUGLAS S. JONES	REVISED BY	
CHECKED BY	SCOTT FOSTER		
CALCULATED-DESIGNED BY	KAO THAO		

LAST REVISION 09-24-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 07:25

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 DGN FILE => DD-000keymap4.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054





TYPICAL CROSS-SECTION

(WITH SOIL BACKFILL)

NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

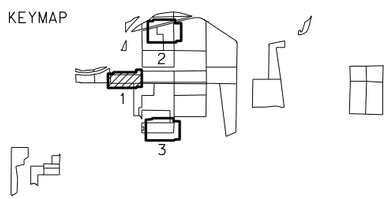
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

KEYMAP



NOTES:
1. SEE LAYOUT SHEET L-6 FOR DETAILS NOT SHOWN.
2. SEE DRAINAGE DETAIL SHEET DD-14 FOR DETAILS NOT SHOWN.

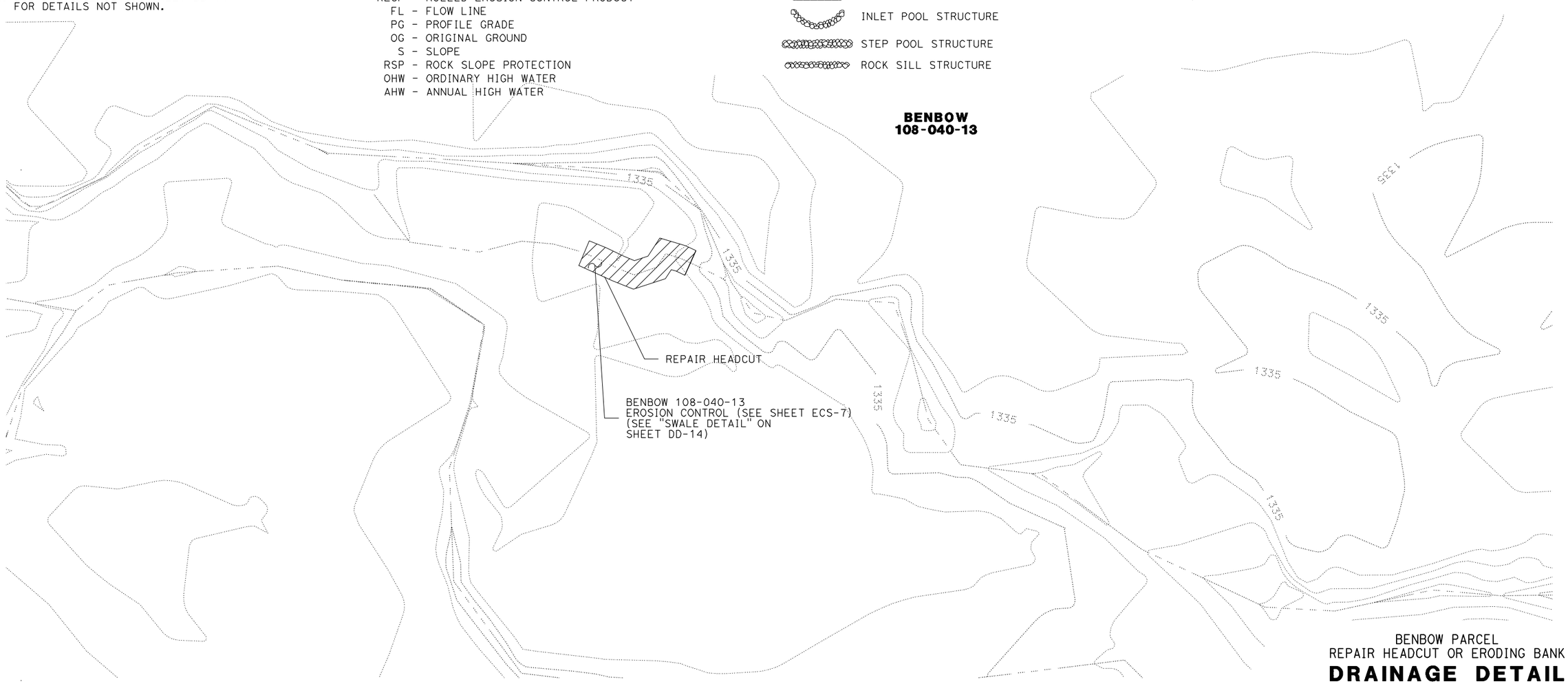
ABBREVIATIONS

EC(BFM) - EROSION CONTROL (BONDED FIBER MATIX)
RECP - ROLLED EROSION CONTROL PRODUCT
FL - FLOW LINE
PG - PROFILE GRADE
OG - ORIGINAL GROUND
S - SLOPE
RSP - ROCK SLOPE PROTECTION
OHW - ORDINARY HIGH WATER
AHW - ANNUAL HIGH WATER

LEGEND

SOIL BACKFILL
INLET POOL STRUCTURE
STEP POOL STRUCTURE
ROCK SILL STRUCTURE

BENBOW
108-040-13



BENBOW PARCEL
REPAIR HEADCUT OR ERODING BANK

DRAINAGE DETAIL

SCALE: 1"=30′ **DD-1**

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY.

REVISED BY	DATE REVISED
SCOTT FOSTER	KAO THAO

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03-DESIGN EAST

LAST REVISION 10-02-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 07:25

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => 1262009ic01.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:
1. SEE LAYOUT SHEETS L-7, L-8, & L-9 FOR DETAILS NOT SHOWN.
2. SEE DRAINAGE DETAIL SHEETS DD-14, & DD-15 FOR DETAILS NOT SHOWN.

KEYMAP

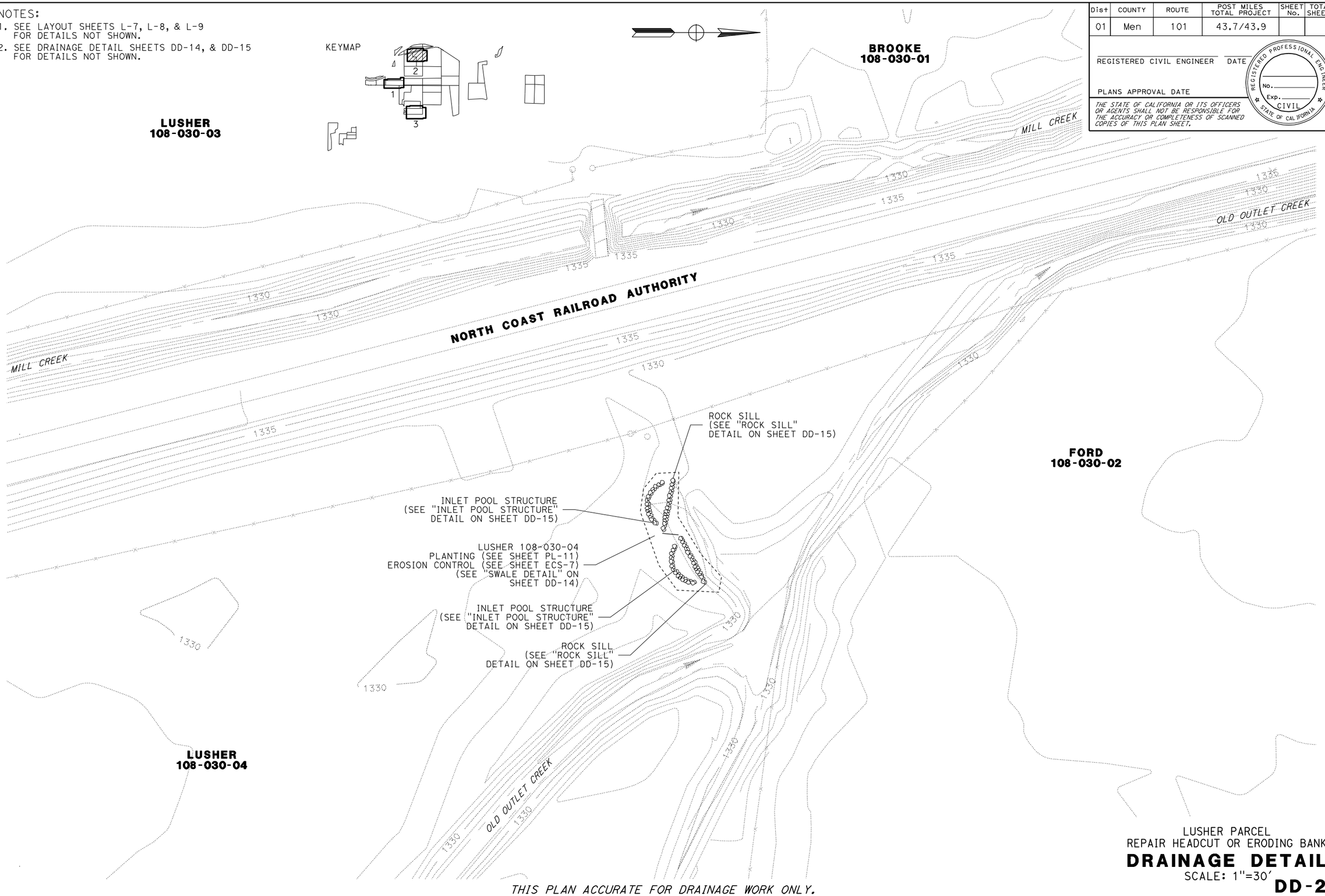
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY.

LUSHER PARCEL
REPAIR HEADCUT OR ERODING BANK

DRAINAGE DETAIL

SCALE: 1"=30'

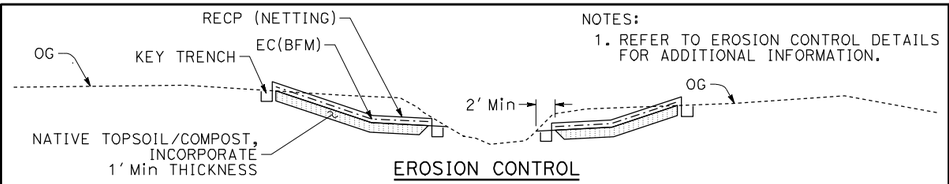
DD-2

REVISED BY	DATE REVISED	
SCOTT FOSTER	KAO THAO	CALCULATED-DESIGNED BY / CHECKED BY
DOUGLAS S. JONES		FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03-DESIGN EAST

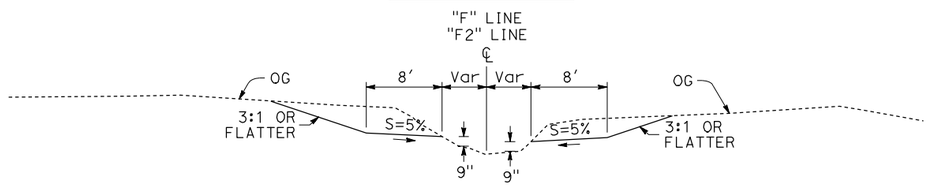
LAST REVISION 10-02-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 07:25

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => 1262009ic02.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054



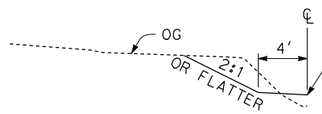
EROSION CONTROL

NOTES:
1. REFER TO EROSION CONTROL DETAILS FOR ADDITIONAL INFORMATION.



"F2"10+60.56 TO "F2"12+44.62 "F2"11+17.20 TO "F2"12+31.27
"F"10+57.03 TO "F"16+48.46

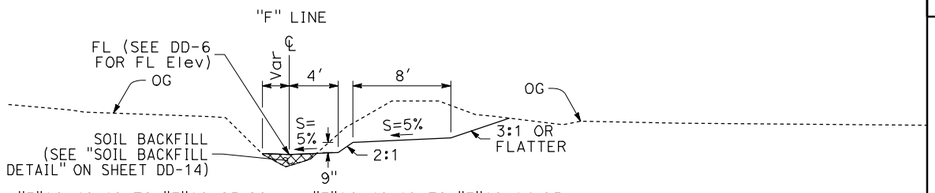
TYPICAL CROSS SECTION
(WITHOUT SOIL BACKFILL)
NO SCALE



"F"18+25.00 TO "F"19+14.95

BANK GRADING DETAIL
NO SCALE

NOTES:
1. REFER TO "SWALE DETAIL" ON SHEET DD-14 FOR ADDITIONAL INFORMATION.



"F"16+48.46 TO "F"18+25.00 "F"16+48.46 TO "F"19+14.95

TYPICAL CROSS SECTION
(WITH SOIL BACKFILL)
NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

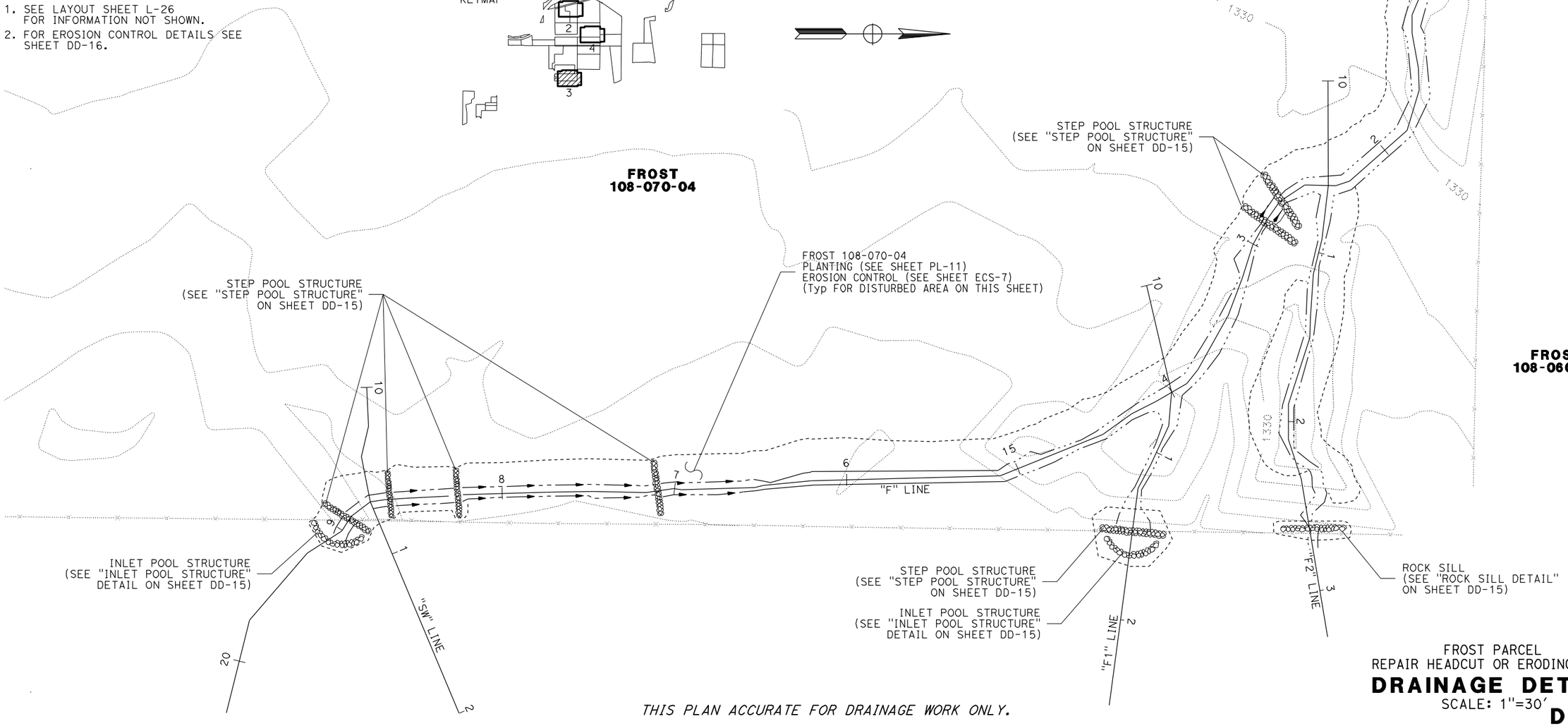
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:
1. SEE LAYOUT SHEET L-26 FOR INFORMATION NOT SHOWN.
2. FOR EROSION CONTROL DETAILS SEE SHEET DD-16.

KEYMAP

FROST 108-070-04

FROST 108-060-04



THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY.

FROST PARCEL
REPAIR HEADCUT OR ERODING BANK

DRAINAGE DETAIL

SCALE: 1"=30'

DD-3

LAST REVISION 10-02-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 07:25

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
03-DESIGN EAST

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

CALCULATED-DESIGNED BY | CHECKED BY

REVISED BY | DATE REVISED

SCOTT FOSTER | KAO THAO

BORDER LAST REVISED 7/1/2010

USERNAME => s114430
DGN FILE => 1262009ic03.dgn

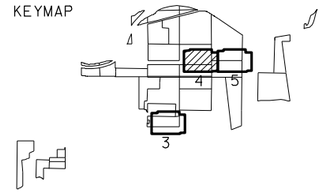
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0307

PROJECT NUMBER & PHASE 01000000054

NOTES:
1. SEE LAYOUT SHEETS L-13 & L-14 FOR DETAILS NOT SHOWN.
2. SEE DRAINAGE DETAIL SHEETS DD-11, & DD-12 FOR DETAILS NOT SHOWN.

KEYMAP



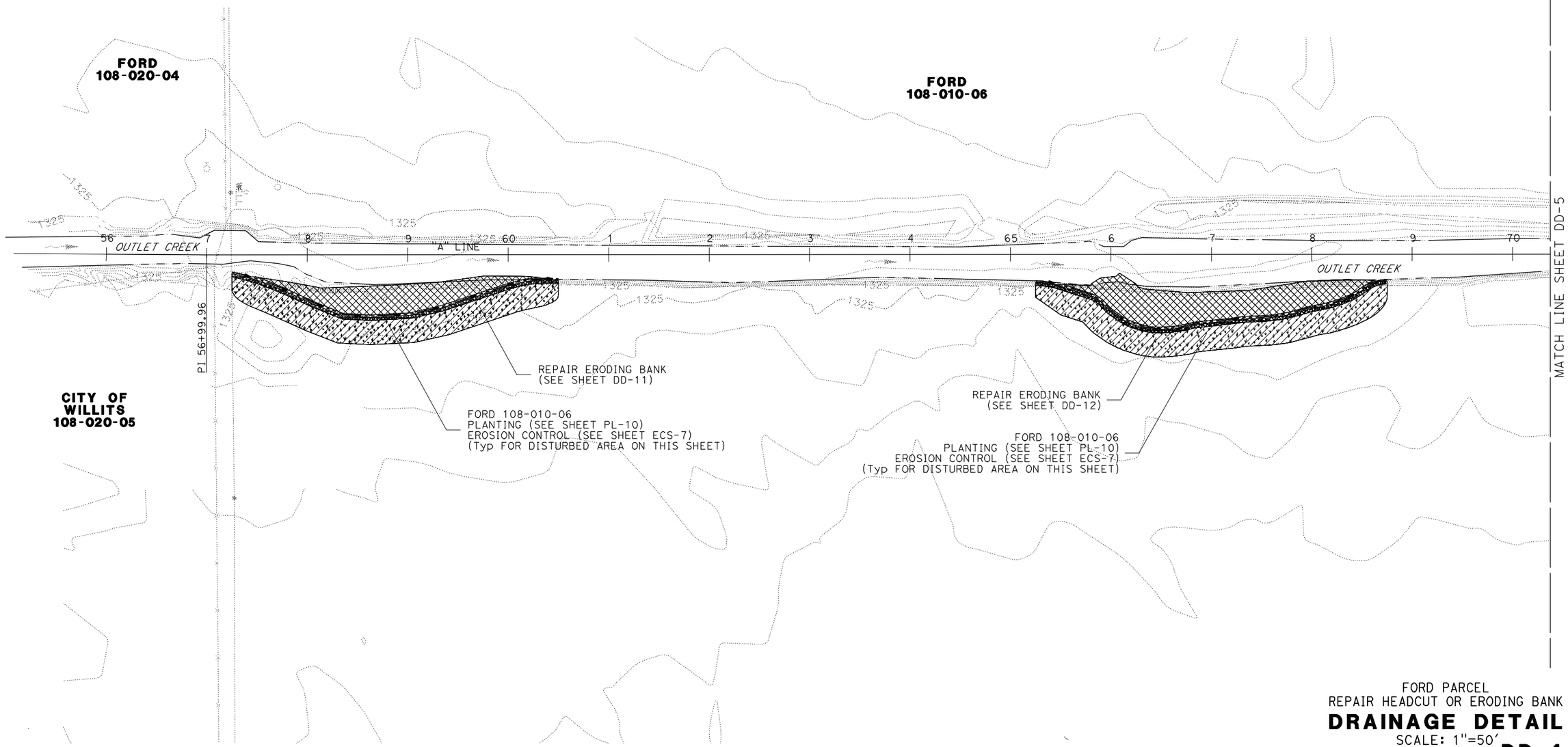
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

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THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY.

FORD PARCEL
REPAIR HEADCUT OR ERODING BANK

DRAINAGE DETAIL

SCALE: 1"=50'

DD-4

CALCULATED-DESIGNED BY	SCOTT FOSTER
CHECKED BY	KAO THAO
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	03-DESIGN EAST

REVISED BY	DATE REVISED

LAST REVISION 10-02-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 07:25

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => 1262009ic04.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:
1. SEE LAYOUT SHEET L-14 FOR DETAILS NOT SHOWN.
2. SEE DRAINAGE DETAIL SHEETS DD-13 FOR DETAILS NOT SHOWN.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

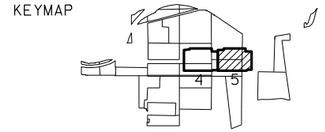
REGISTERED CIVIL ENGINEER DATE

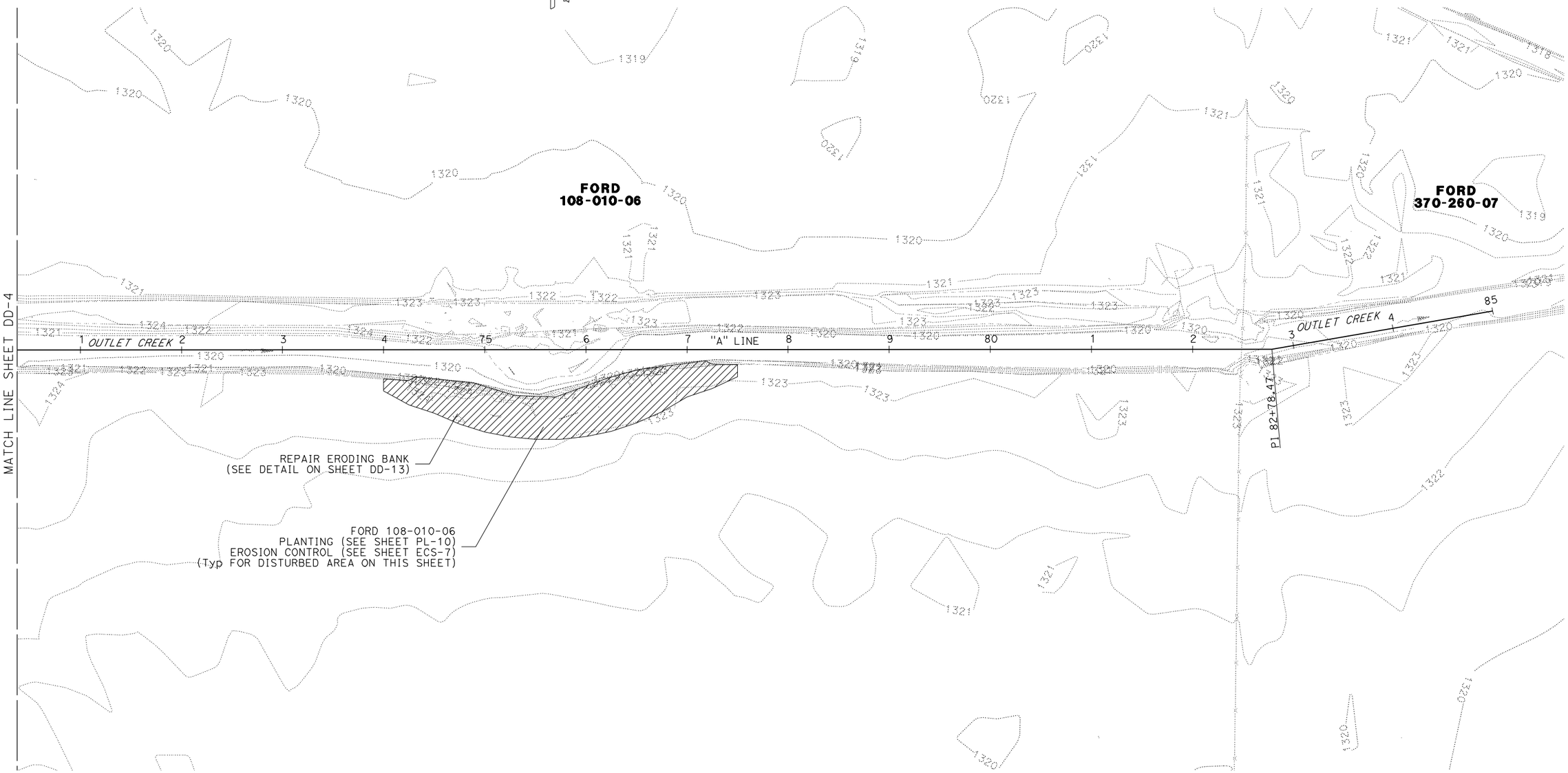
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. — Exp. — CIVIL — STATE OF CALIFORNIA

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KEYMAP





THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY.

FORD PARCEL
REPAIR HEADCUT OR ERODING BANK

DRAINAGE DETAIL

SCALE: 1"=50'

DD-5

CALCULATED-DESIGNED BY	REVISED BY
SCOTT FOSTER	
CHECKED BY	DATE REVISED
KAO THAO	

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
03-DESIGN EAST

LAST REVISION 10-02-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 07:25

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => 1262009ic05.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:
1. FOR DRAINAGE PLAN VIEW SEE DD-3.
2. LOCATIONS TO BE DETERMINED BY ENGINEER.

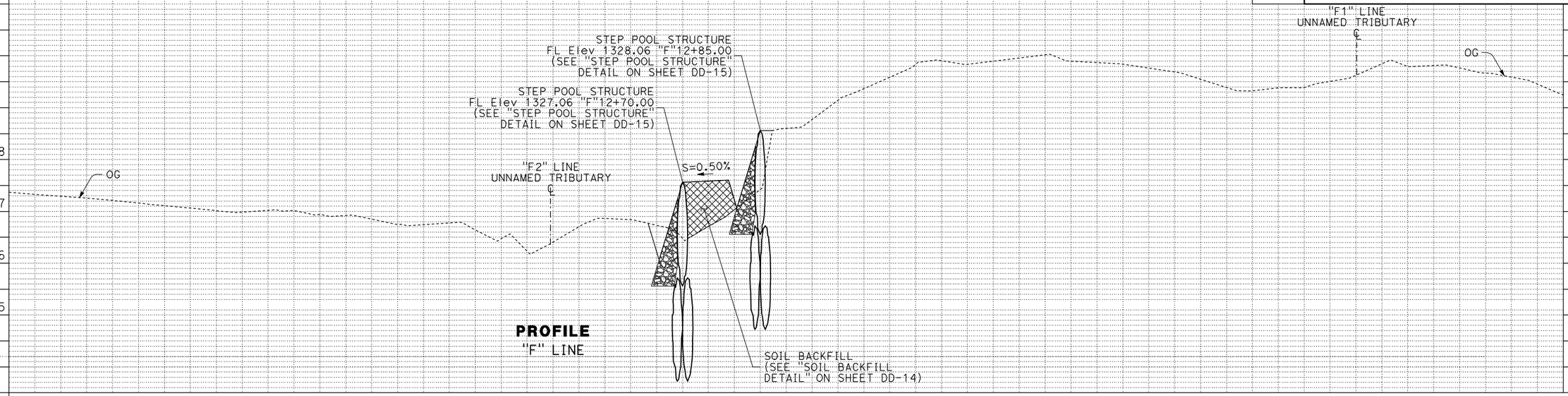
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

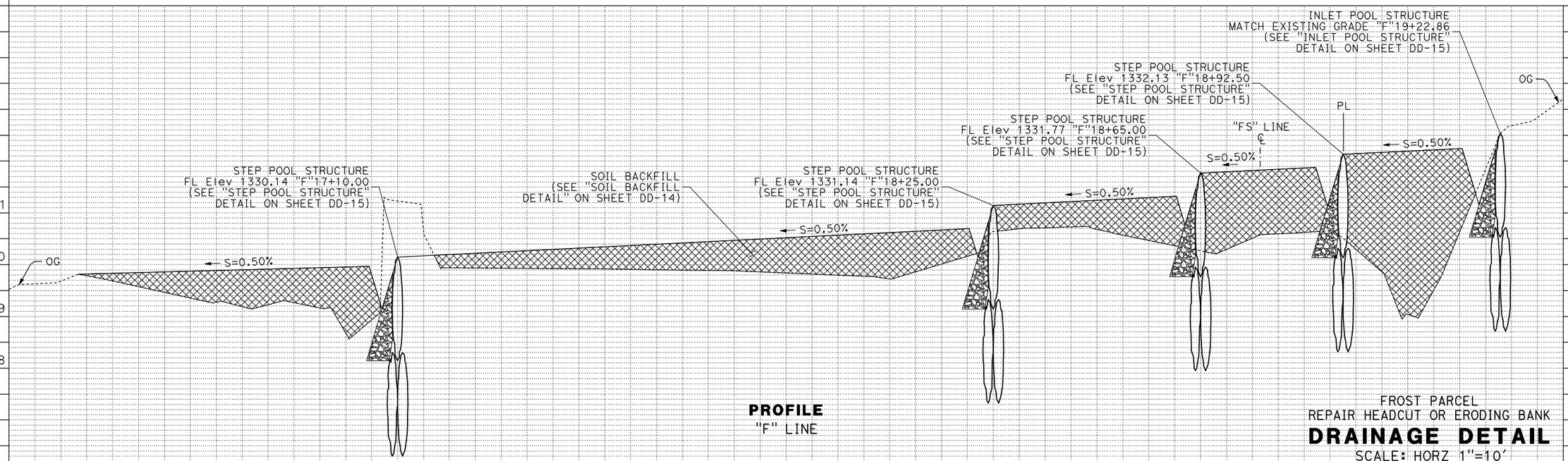
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PROFILE
"F" LINE

STATION 12 13 14



PROFILE
"F" LINE

FROST PARCEL
REPAIR HEADCUT OR ERODING BANK

DRAINAGE DETAIL

SCALE: HORZ 1"=10'
VERT 1"=100'

DD-6

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY.

STATION 17 18 19

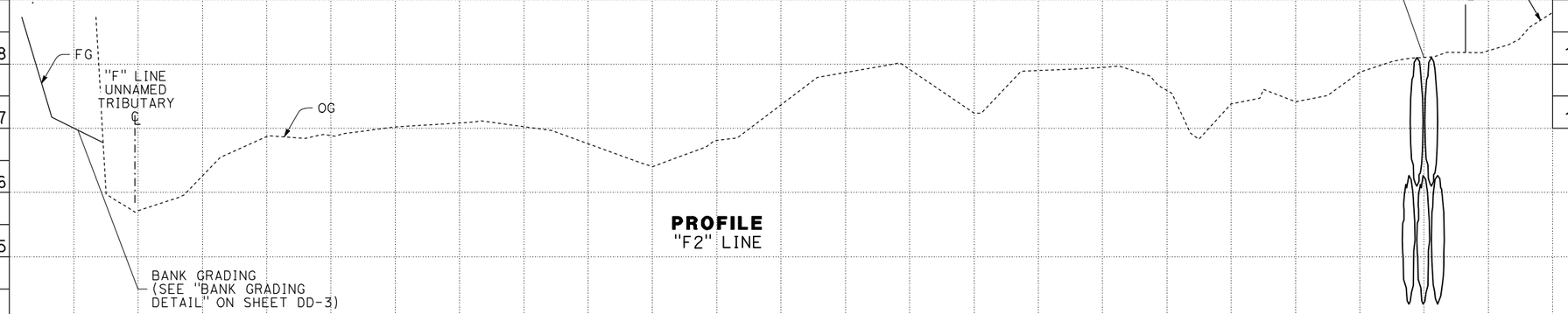
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES
CALCULATED-DESIGNED BY
CHECKED BY: KAO THAO
REVISED BY
DATE REVISED

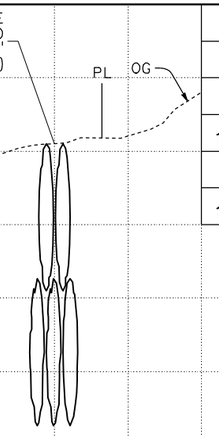
LAST REVISION 10-02-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 07:25

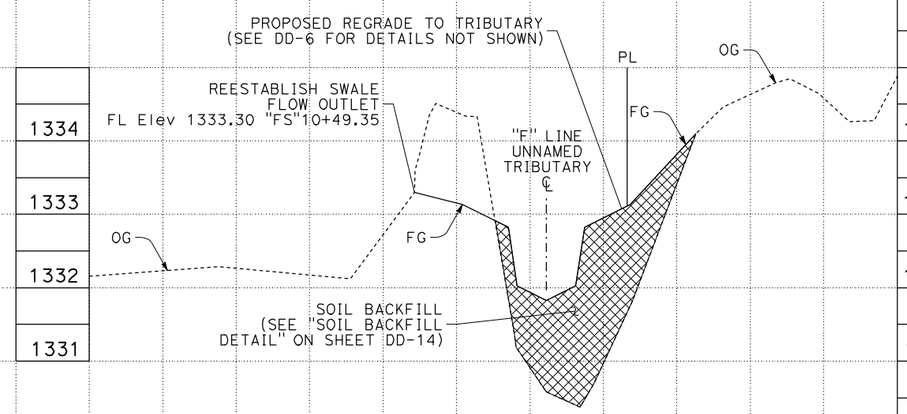
BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => 1262009ic06.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:
1. FOR DRAINAGE PLAN VIEW SEE DD-3.
2. LOCATION TO BE DETERMINED BY ENGINEER.

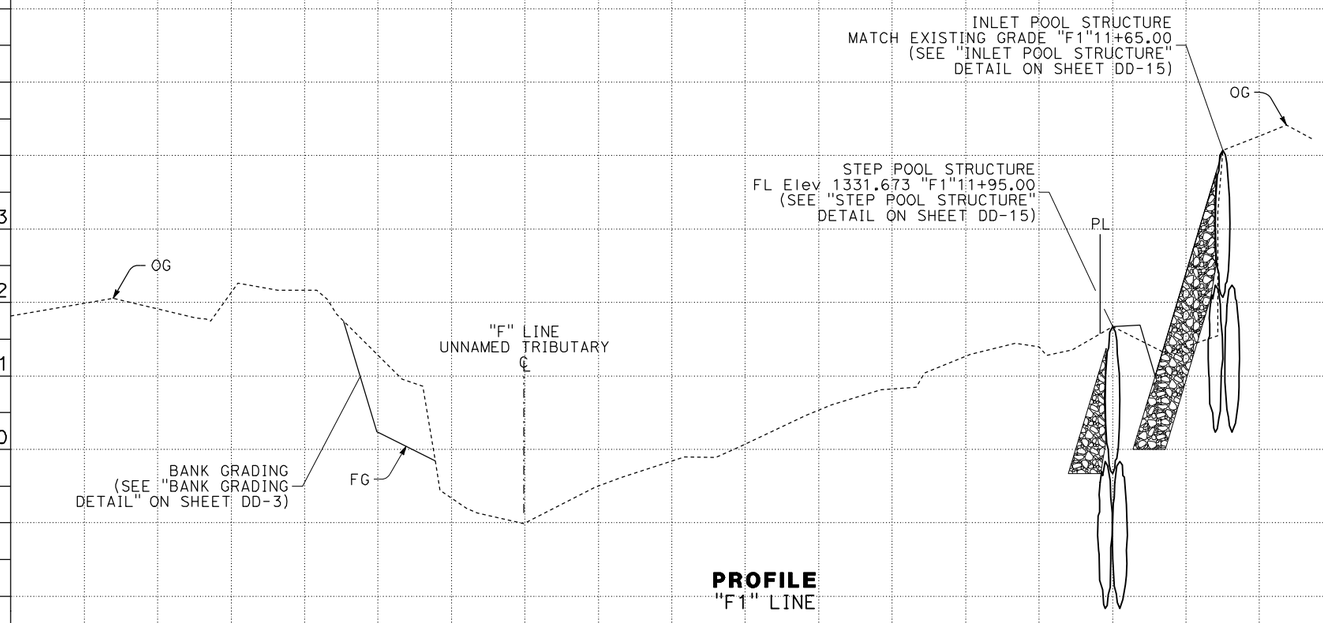


PROFILE
"F2" LINE





PROFILE
SWALE LINE



PROFILE
"F1" LINE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

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FROST PARCEL
REPAIR HEADCUT OR ERODING BANK

DRAINAGE DETAIL

SCALE: HORZ 1"=10'
VERT 1"=100'

DD-7

REVISED BY	DATE REVISED
SCOTT FOSTER	KAO THAO
CALCULATED-DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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LAST REVISION 10-02-11 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 07:26

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => 1262009ic07.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:
1. FOR DRAINAGE PLAN VIEW, SEE SHEET DD-4.
2. FOR DRAINAGE DETAIL NOT SHOWN, SEE SHEET DD-11, & DD-14.

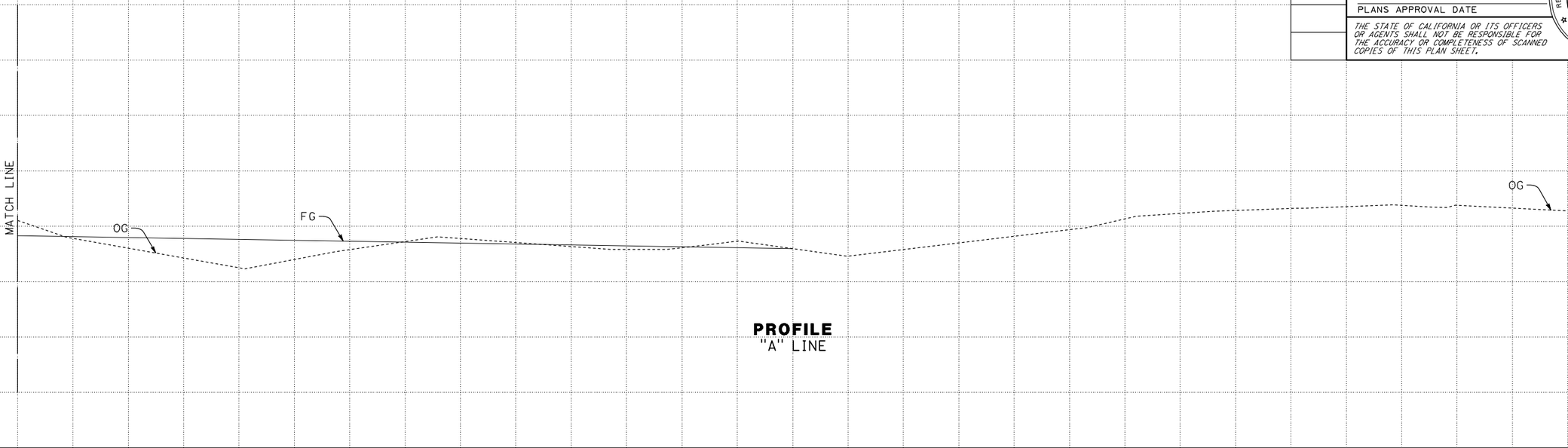
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

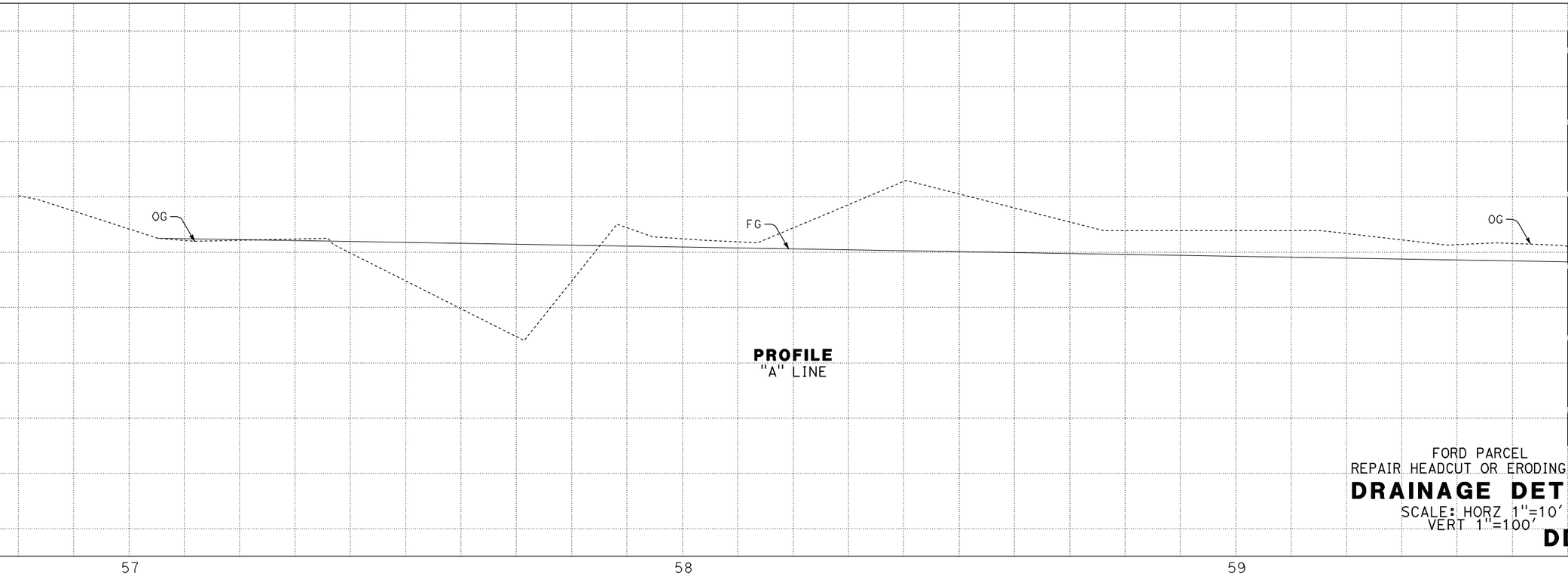
PLANS APPROVAL DATE

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PROFILE
"A" LINE



PROFILE
"A" LINE

FORD PARCEL
REPAIR HEADCUT OR ERODING BANK

DRAINAGE DETAIL

SCALE: HORZ 1"=10'
VERT 1"=100'

DD-8

REVISED BY | DATE REVISED
SCOTT FOSTER | KAO THAO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03-DESIGN EAST
LAST REVISION 10-02-11 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 07:26

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => 12620091c08.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:
1. FOR DRAINAGE PLAN VIEW, SEE SHEET DD-4.
2. FOR DRAINAGE DETAIL NOT SHOWN, SEE SHEET DD-12, & DD-14.

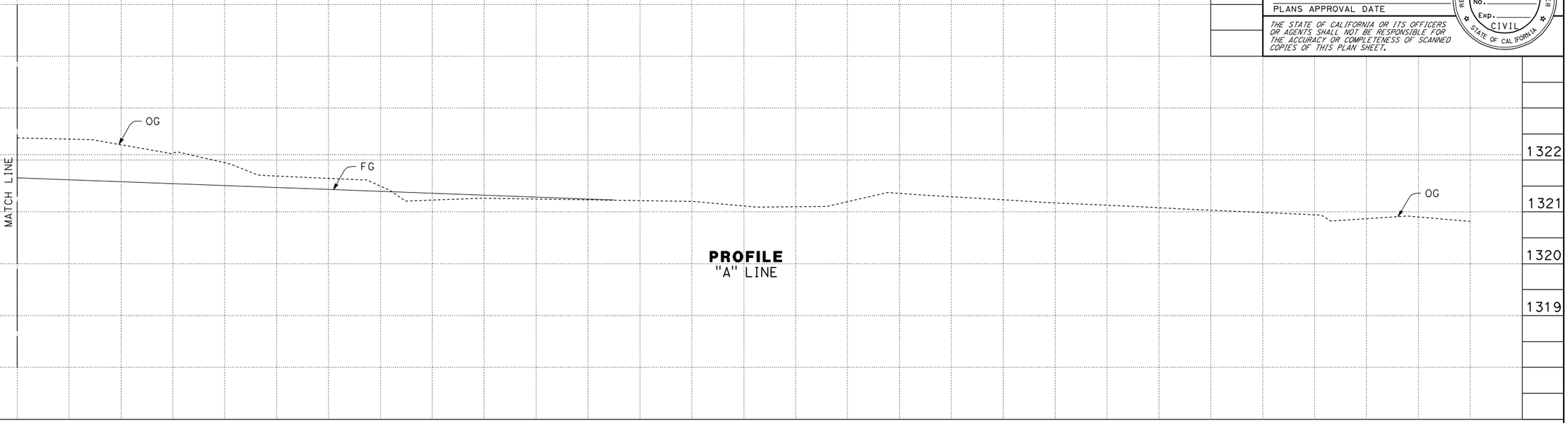
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

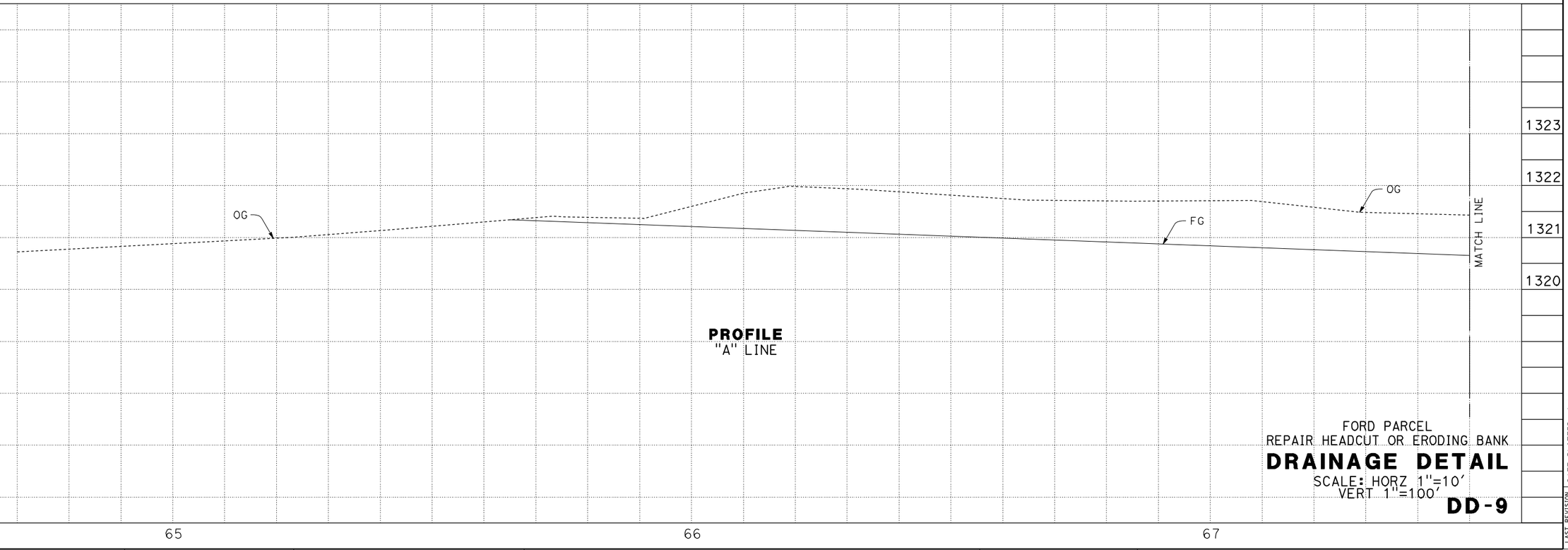
PLANS APPROVAL DATE

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PROFILE
"A" LINE



PROFILE
"A" LINE

FORD PARCEL
REPAIR HEADCUT OR ERODING BANK

DRAINAGE DETAIL

SCALE: HORZ 1"=10'
VERT 1"=100'

DD-9

REVISED BY | DATE REVISED

SCOTT FOSTER | KAO THAO

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FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
03-DESIGN EAST

LAST REVISION 10-02-11 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 07:26

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => 12620091c09.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:
1. FOR DRAINAGE PLAN VIEW, SEE SHEET DD-5.
2. FOR DRAINAGE DETAIL NOT SHOWN, SEE SHEET DD-13, & DD-14.

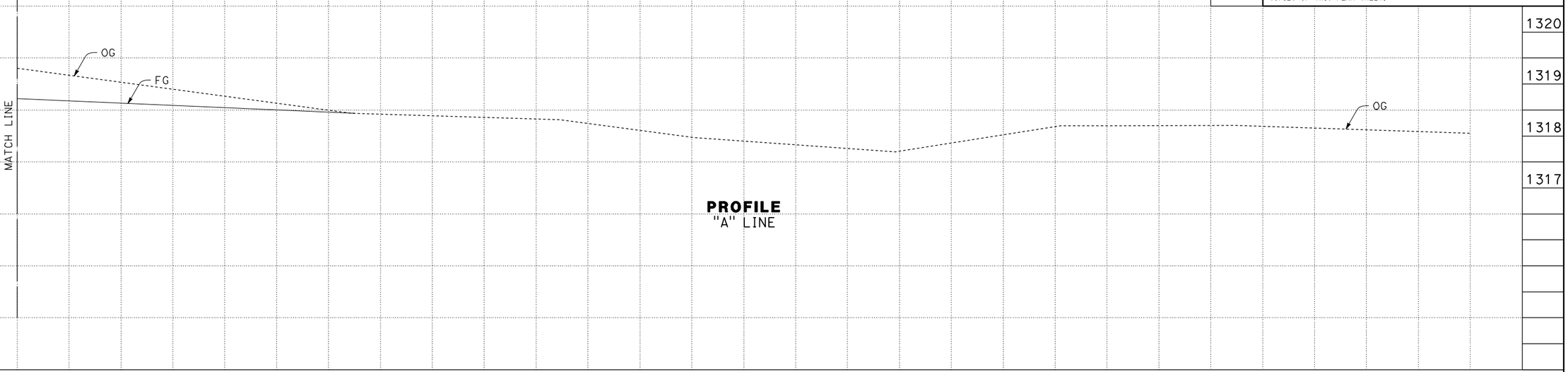
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

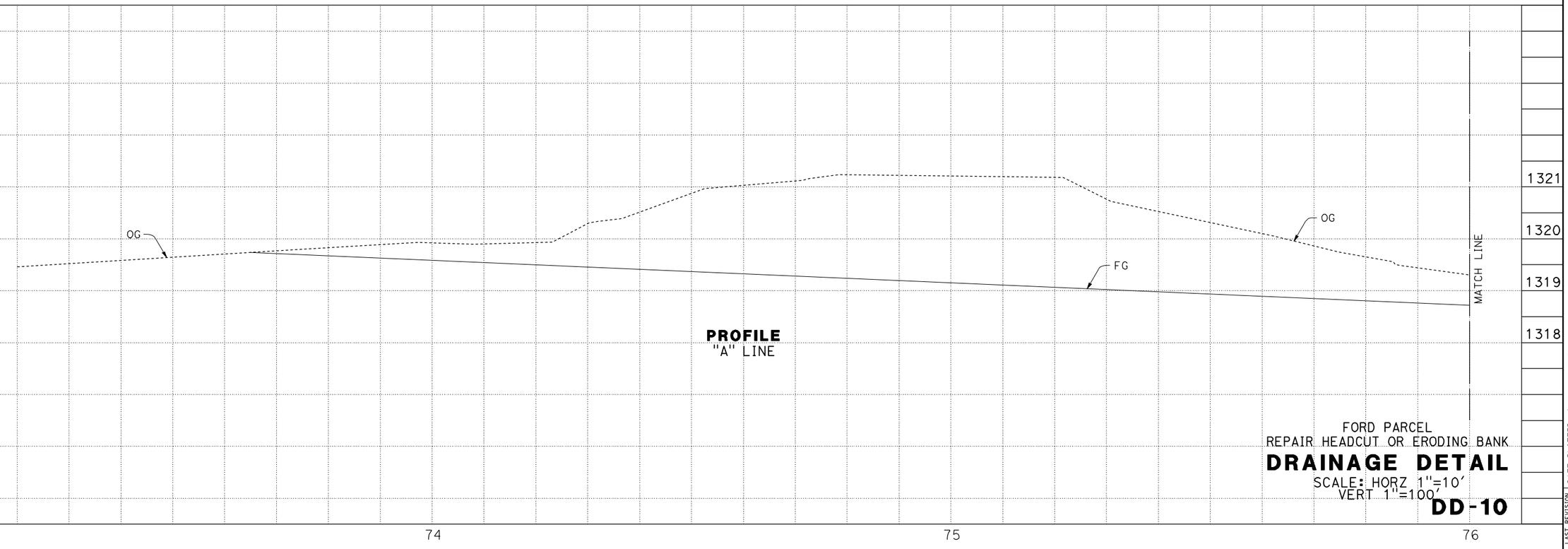
PLANS APPROVAL DATE

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PROFILE
"A" LINE



PROFILE
"A" LINE

FORD PARCEL
REPAIR HEADCUT OR ERODING BANK

DRAINAGE DETAIL

SCALE: HORZ 1"=10'
VERT 1"=100'

DD-10

REVISED BY | DATE REVISED

SCOTT FOSTER | KAO THAO

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Caltrans®
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BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => 1262009ic10.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:
1. SEE LAYOUT SHEETS L-13 & L-14 FOR INFORMATION NOT SHOWN.
2. SEE DRAINAGE DETAIL SHEETS DD-16, DD-17 & DD-18 FOR DETAILS NOT SHOWN.
3. ROOT WADS ARE ORIENTED/ANGLED TO DEFLECT FLOWS IN A DEFINED FLOWLINE OR PATH.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

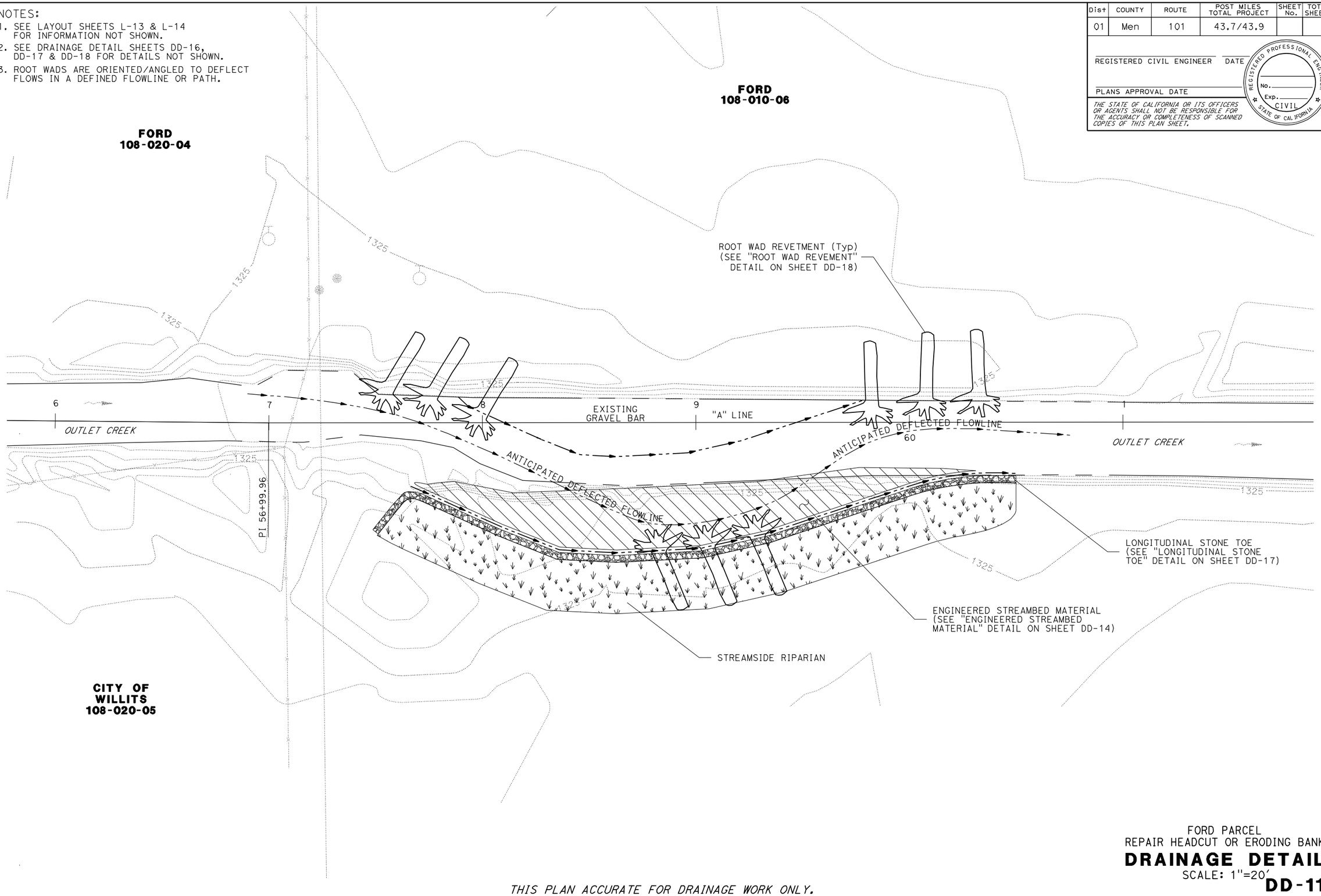
PLANS APPROVAL DATE

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FORD
108-020-04

FORD
108-010-06



CITY OF WILLITS
108-020-05

FORD PARCEL
REPAIR HEADCUT OR ERODING BANK

DRAINAGE DETAIL

SCALE: 1"=20'

DD-11

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY.

CALCULATED-DESIGNED BY	SCOTT FOSTER
CHECKED BY	KAO THAO
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	Caltrans® 03-DESIGN EAST

REVISED BY	DATE REVISED

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DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 07:26

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => 1262009ic11.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:
1. SEE LAYOUT SHEETS L-13 FOR INFORMATION NOT SHOWN.
2. SEE DRAINAGE DETAIL SHEETS DD-16, DD-17 & DD-18 FOR DETAILS NOT SHOWN.

FORD
108-010-06

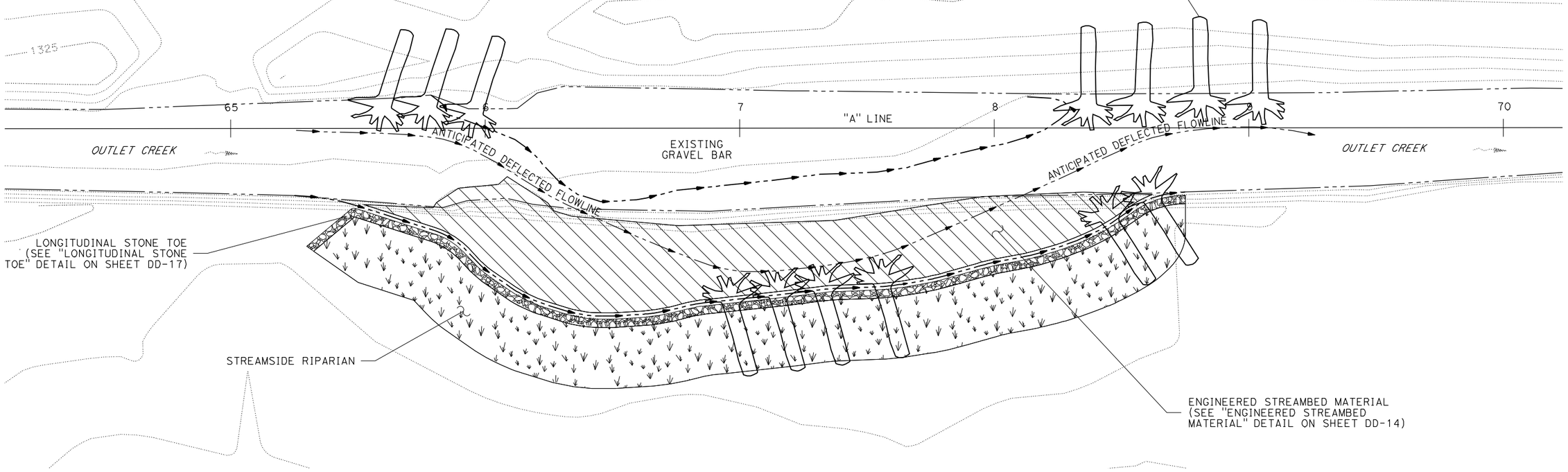
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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FORD PARCEL
REPAIR HEADCUT OR ERODING BANK

DRAINAGE DETAIL

SCALE: 1"=20'

DD-12

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CHECKED BY	KAO THAO
REVISED BY	
DATE REVISED	
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	Caltrans® 03-DESIGN EAST

LAST REVISION 10-02-11 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 07:26

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => 1262009ic12.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:
1. SEE LAYOUT SHEET L-14 FOR INFORMATION NOT SHOWN.
2. SEE DRAINAGE DETAIL SHEETS DD-16, DD-17 & DD-18 FOR DETAILS NOT SHOWN.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

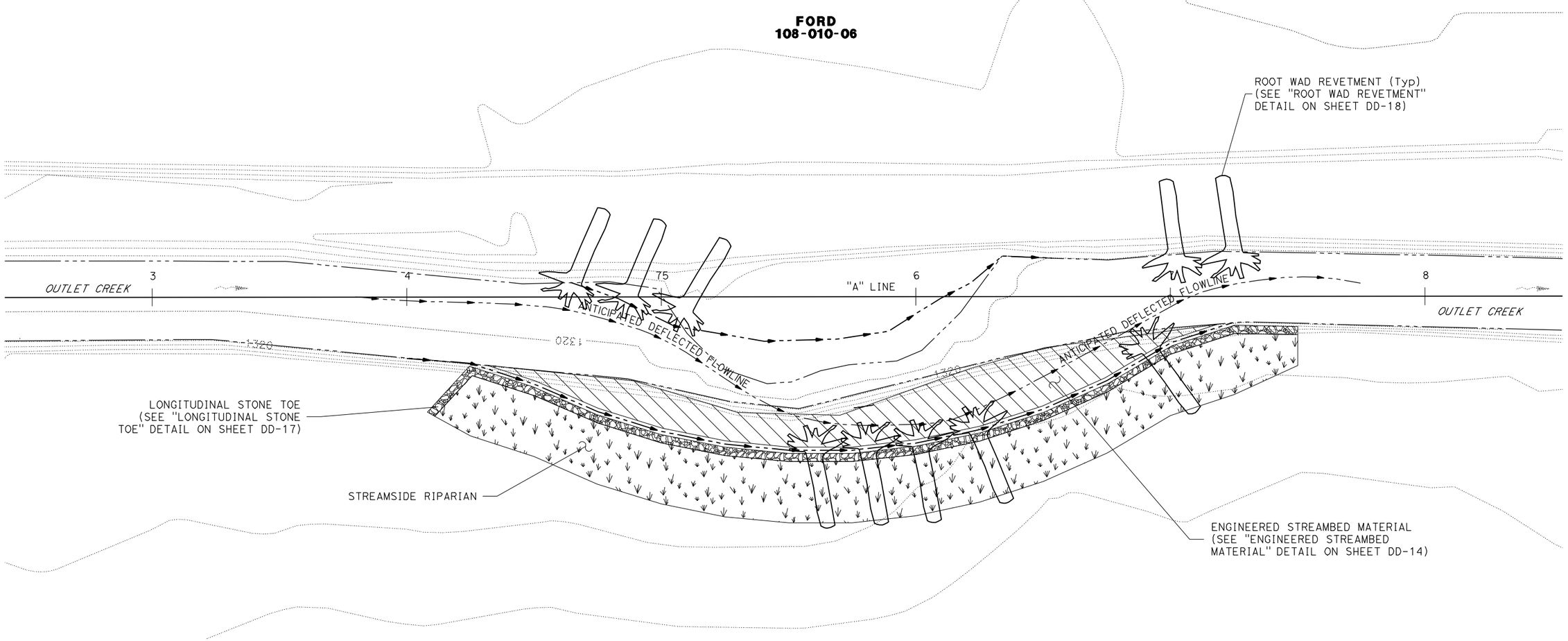
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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FORD
108-010-06



FORD PARCEL
REPAIR HEADCUT OR ERODING BANK

DRAINAGE DETAIL

SCALE: 1"=20'

DD-13

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY.

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CHECKED BY: KAO THAO
FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

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LAST REVISION 10-02-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 07:26

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => 1262009ic13.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:
1. FOR PLAN VIEW SEE DD-1, DD-3 & DD-6.
2. SOIL COMPACTION FOR SOIL BACKFILL NOT TO EXCEED 85%.

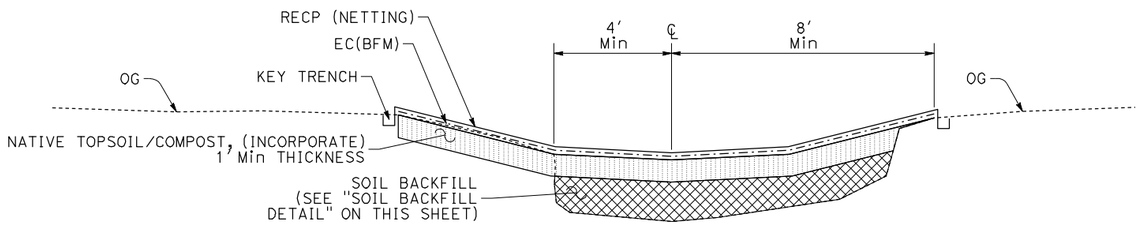
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

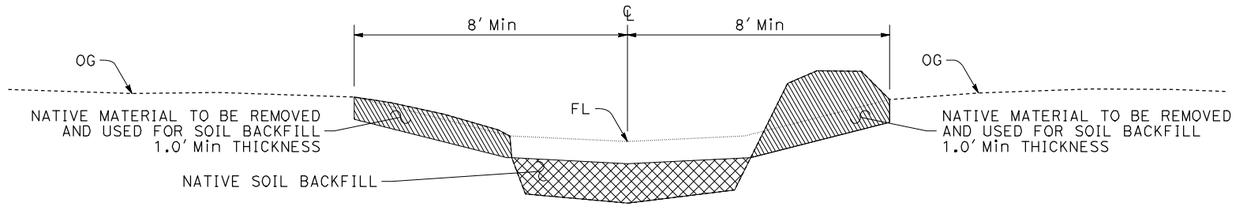
REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



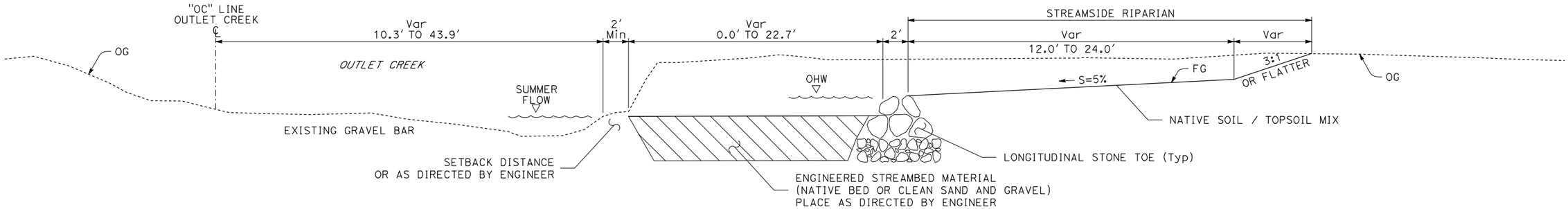
NOTES:
1. REFER TO DRAINAGE DETAILS FOR ADDITIONAL INFORMATION.

SWALE DETAIL



NOTES:
1. REFER TO DRAINAGE DETAILS FOR ADDITIONAL INFORMATION.

SOIL BACKFILL DETAIL



ENGINEERED STREAMBED MATERIAL
NO SCALE

REPAIR HEADCUT OR ERODING BANK

DRAINAGE DETAIL

NO SCALE

DD-14

LAST REVISION 11-30-11 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 07:26

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Caltrans® 03-DESIGN EAST

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

CALCULATED-DESIGNED BY: SCOTT FOSTER
CHECKED BY: KAO THAO

REVISED BY | DATE REVISED

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => 1262009ic14.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:
1. FOR PLAN VIEW SEE DD-2 & DD-3.
2. LOCATIONS TO BE DETERMINED BY ENGINEER.

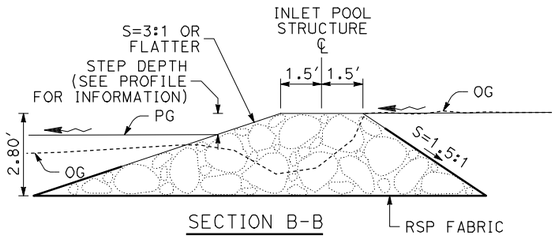
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

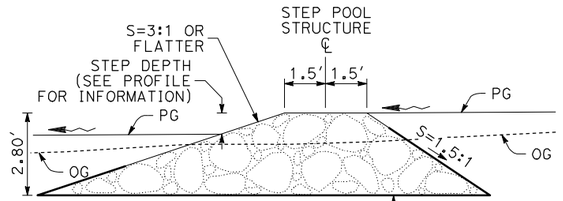
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

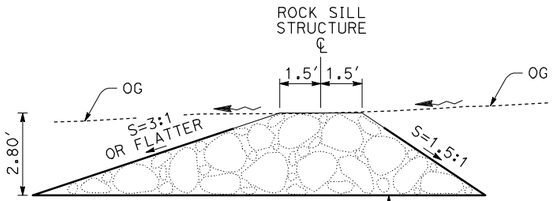
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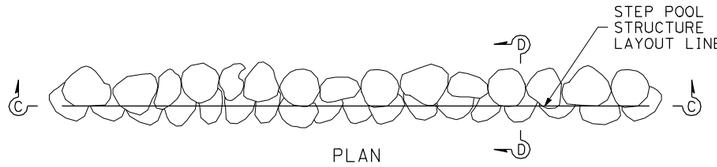
SECTION B-B



SECTION D-D

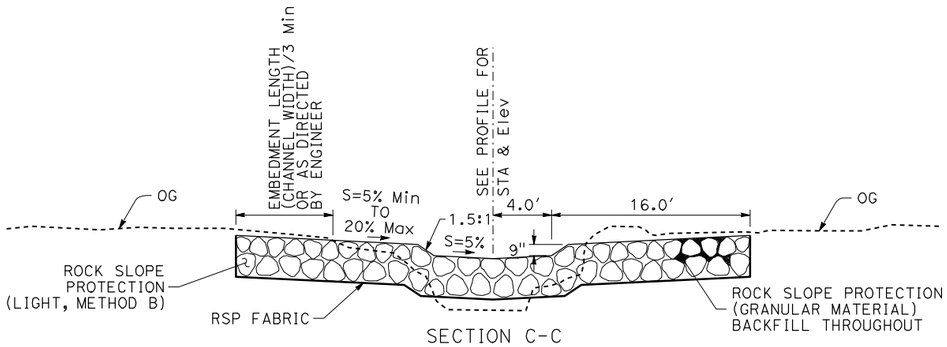


SECTION F-F

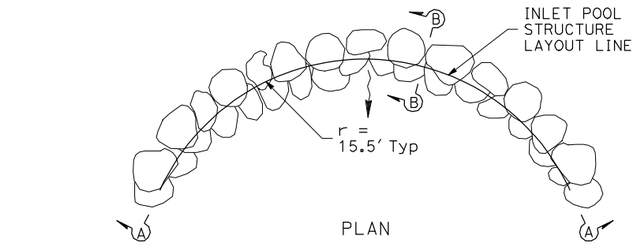


PLAN

STEP POOL STRUCTURE
NO SCALE

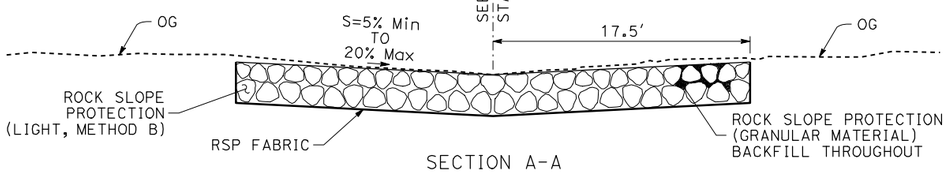


SECTION C-C

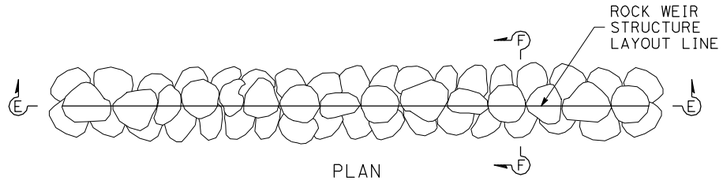


PLAN

INLET POOL STRUCTURE
NO SCALE

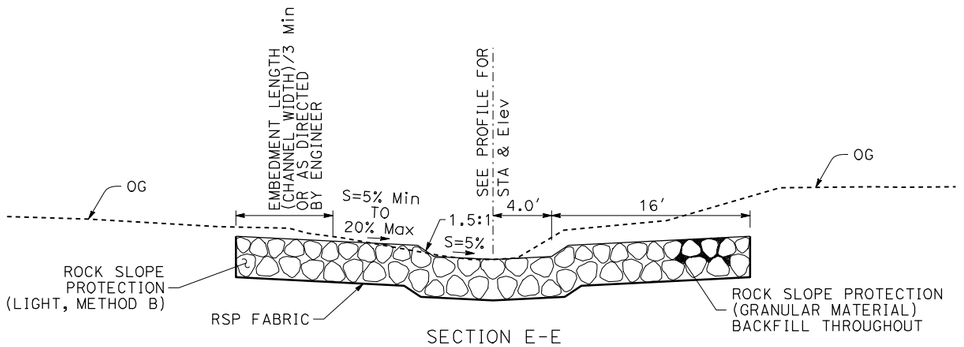


SECTION A-A



PLAN

ROCK SILL STRUCTURE
NO SCALE



SECTION E-E

REPAIR HEADCUT OR ERODING BANK

DRAINAGE DETAIL

NO SCALE

DD-15

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03-DESIGN EAST
FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES
CALCULATED-DESIGNED BY: SCOTT FOSTER
CHECKED BY: KAO THAO
REVISED BY | DATE REVISED

LAST REVISION 09-26-11
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 07:26

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => 1262009ic15.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:
1. FOR PLAN VIEW SEE DD-2 & DD-3.
2. LOCATIONS TO BE DETERMINED BY ENGINEER.

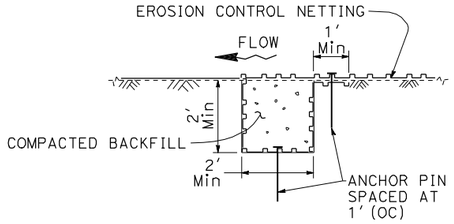
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

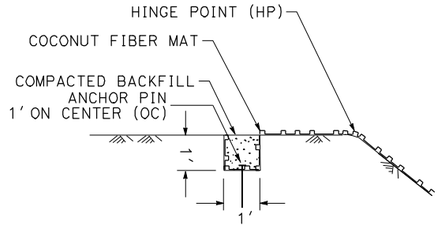
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

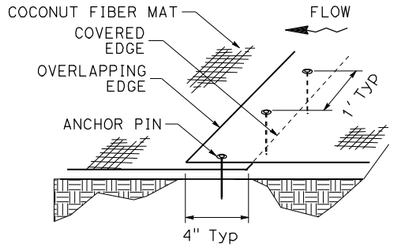


INITIAL ANCHOR TRENCH (DOWNSTREAM) DETAIL

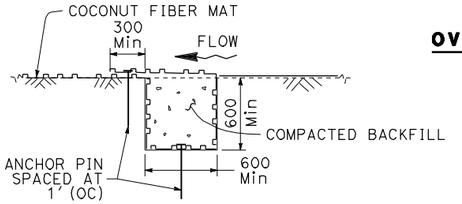


SECTION

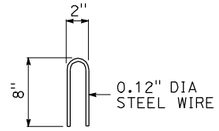
LONGITUDINAL ANCHOR TRENCH



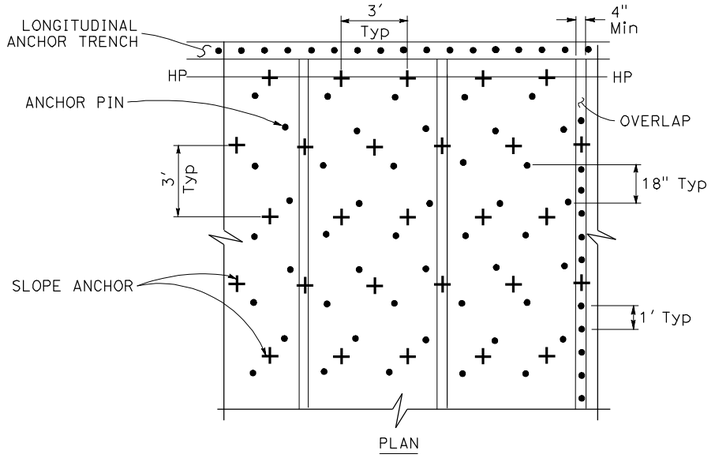
OVERLAP JOINT



TERMINAL ANCHOR TRENCH (UPSTREAM) DETAIL

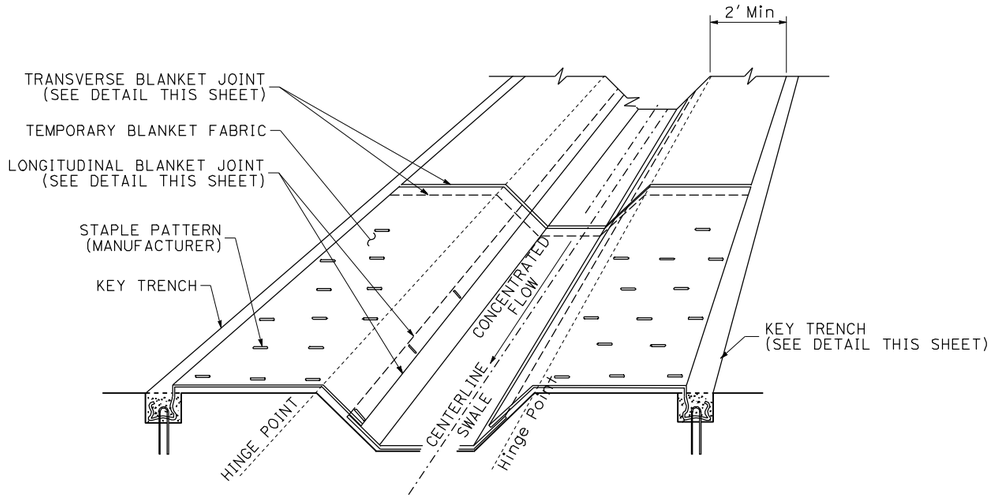


STAPLE DETAIL



PLAN

ANCHOR PLACEMENT



PERSPECTIVE

TEMPORARY EROSION CONTROL BLANKET IN SWALE

COCONUT FIBER MAT (EROSION CONTROL)

THIS PLAN ACCURATE FOR DRAINAG WORK ONLY.

REPAIR HEADCUT OR ERODING BANK

DRAINAGE DETAIL

NO SCALE

DD-16

CALCULATED-DESIGNED BY					
CHECKED BY					
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES				
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	03-DESIGN EAST				
REVISED BY					
DATE REVISED					

LAST REVISION 09-27-11 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 07:26

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => 1262009ic16.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

NOTES:
1. FOR PLAN VIEW SEE DD-4 & DD-5.
2. LOCATIONS TO BE DETERMINED BY ENGINEER.

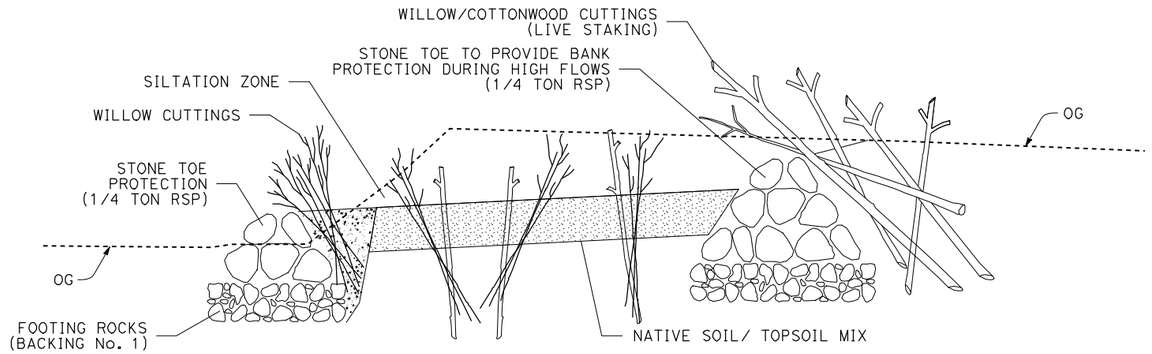
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

REGISTERED CIVIL ENGINEER DATE

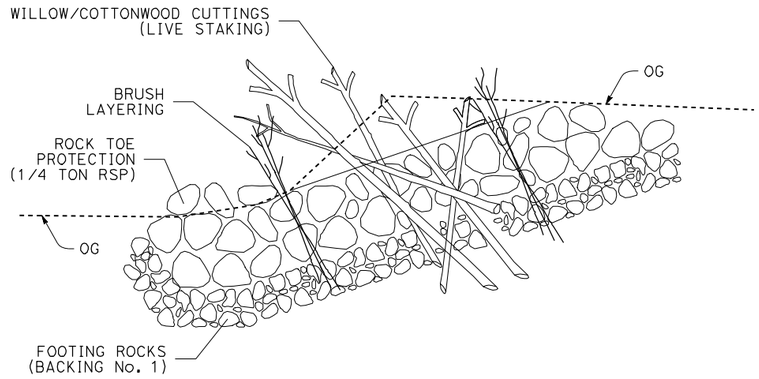
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

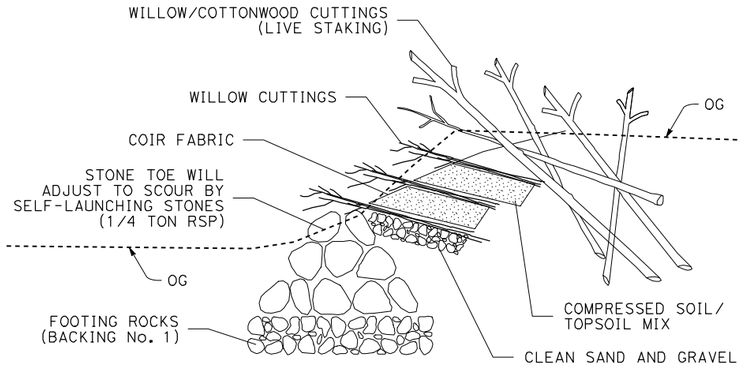
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



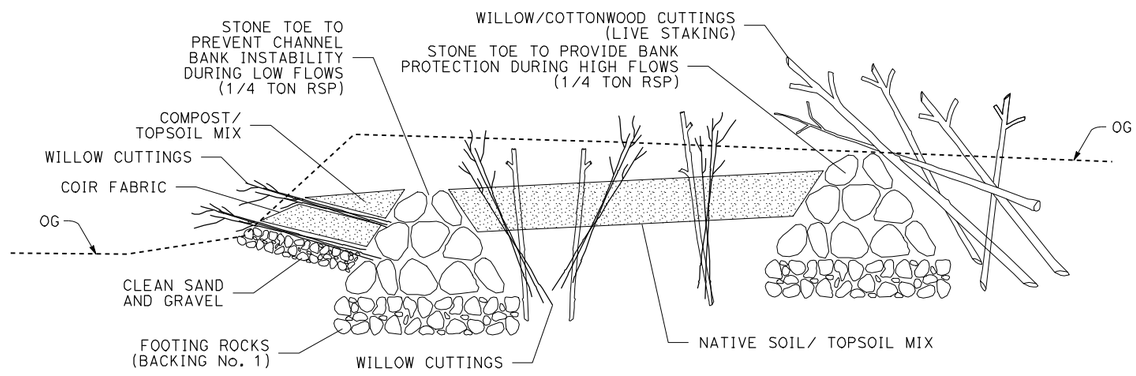
INCREASED CHANNEL CAPACITY TO REDUCE BANK EROSION (OPTION B)
NO SCALE



VEGETATED RSP
NO SCALE



LONGITUDINAL STONE TOE WITH BRUSH LAYER
NO SCALE



INCREASED CHANNEL CAPACITY TO REDUCE BANK EROSION (OPTION A)
NO SCALE

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
03-DESIGN EAST

REPAIR HEADCUT OR ERODING BANK
DRAINAGE DETAIL
NO SCALE
DD-17

LAST REVISION 09-27-11 | DATE PLOTTED => 03-JAN-2012 | TIME PLOTTED => 07:26

THIS PLAN ACCURATE FOR DRAINAG WORK ONLY.

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => 1262009ic17.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	43.7/43.9		

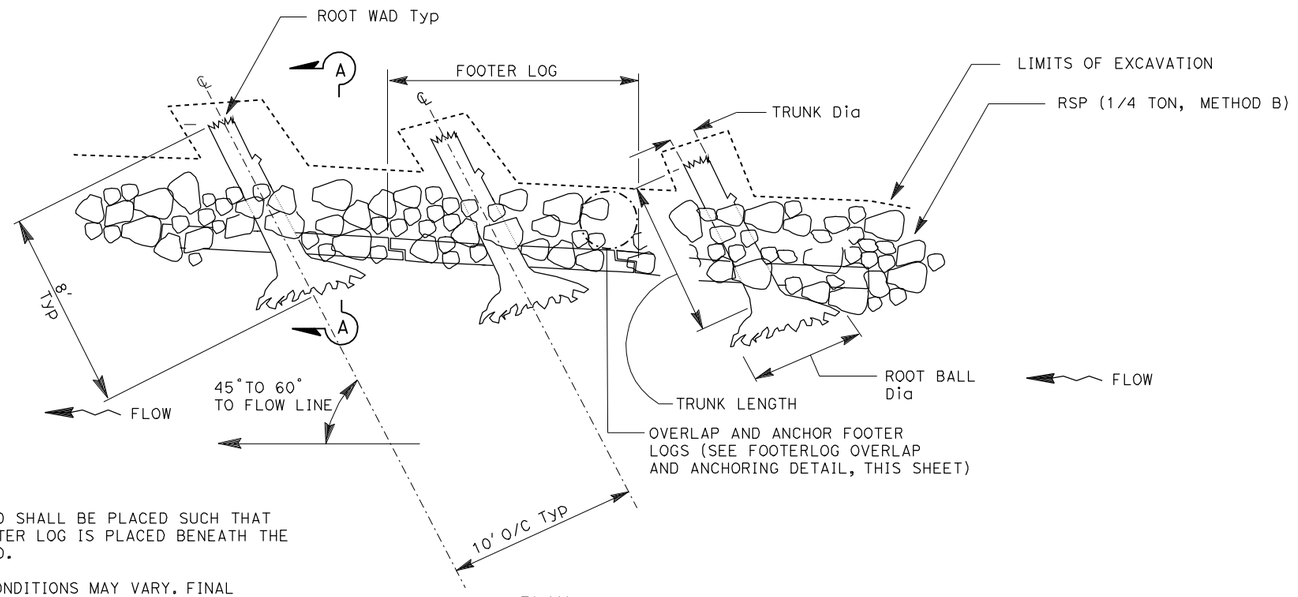
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

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NOTES:
1. FOR PLAN VIEW SEE DD-11, DD-12 & DD-13.
2. LOCATIONS TO BE DETERMINED BY ENGINEER.



NOTES:

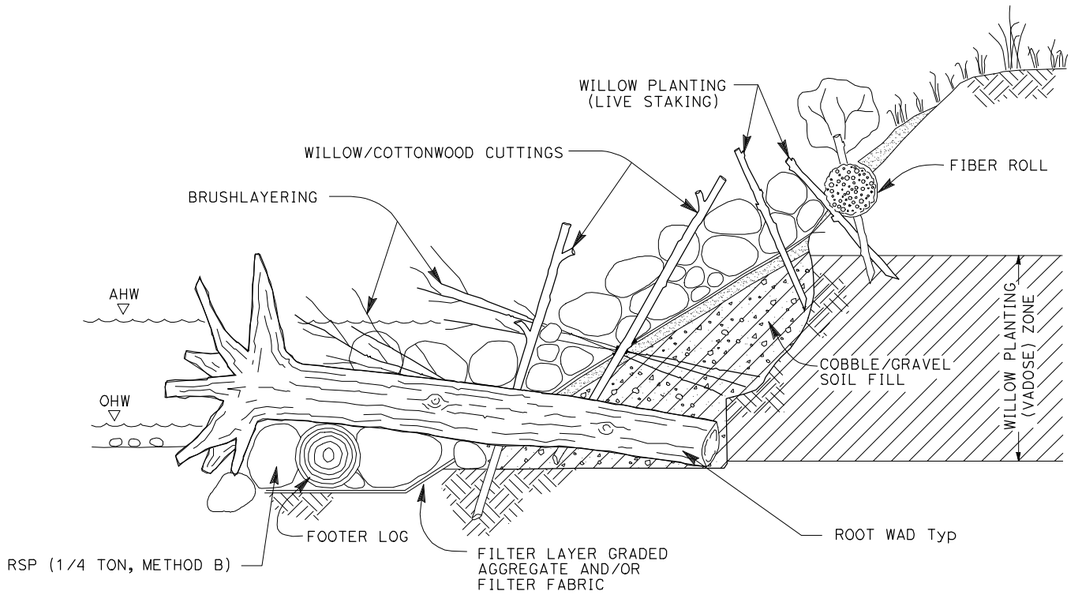
1. ROOT WAD SHALL BE PLACED SUCH THAT THE FOOTER LOG IS PLACED BENEATH THE ROOT WAD.
2. FIELD CONDITIONS MAY VARY. FINAL CONFIGURATION SHALL BE DETERMINED BY ENGINEER.

PLAN

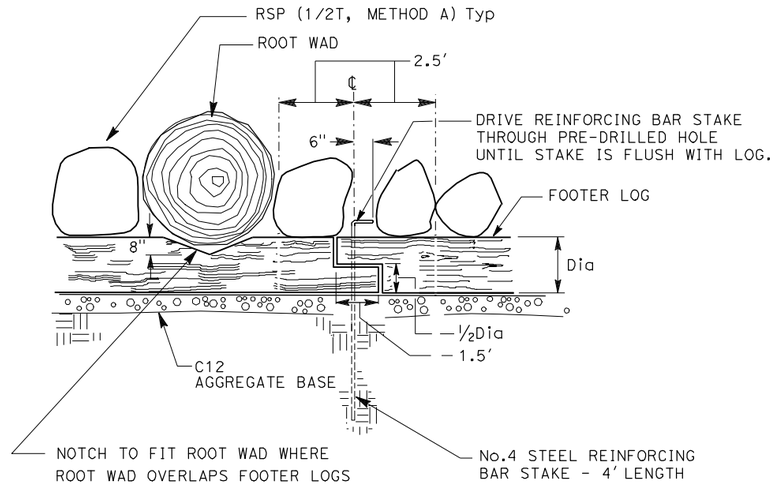
ROOT WAD REVETMENT

NOTES:

1. WILLOW POLE PLANTING SHALL BE INSTALLED DURING BANK GRADING AND ROCK SLOPE PROTECTION PLACEMENT TO ENSURE GOOD CONTACT WITH 'NATIVE GROUND' AND SOIL FILL.
2. CUT SMALL HOLES OR SLITS IN FILTER FABRIC AS NECESSARY.
3. PLACE SOIL FILL (COBBLES, GRAVEL, SOIL) AROUND CUTTING.
4. ROCK SLOPE PRTOECTION SHALL BE PLACED USING METHOD "B". SOME DAMAGE TO WILLOW POLES IS UNAVOIDABLE AND ACCEPTABLE. DEEPLY PLANTED WILLOW MATERIAL WILL REGENERATE.



SECTION A-A



ELEVATION

FOOTER LOG OVERLAP AND ANCHORING DETAIL

REPAIR HEADCUT OR ERODING BANK

DRAINAGE DETAIL

NO SCALE

DD-18

THIS PLAN ACCURATE FOR DRAINAG WORK ONLY.

CALCULATED-DESIGNED BY	REVISED BY	DATE REVISED
CHECKED BY	SCOTT FOSTER	KAO THAO
FUNCTIONAL SUPERVISOR	DOUGLAS S. JONES	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — Caltrans® — 03-DESIGN EAST

LAST REVISION 09-27-11 — DATE PLOTTED => 03-JAN-2012 — TIME PLOTTED => 07:26

BORDER LAST REVISED 7/1/2010 | USERNAME => s114430 | DGN FILE => 1262009ic18.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000054

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

SEED MIX TABLE

PRIMARY SEED SOURCE:
1) LITTLE LAKE VALLEY, 2) OUTLET CREEK BASIN, 3) EEL RIVER WATERSHED.

SECONDARY SEED SOURCE PER THE JEPSON MANUAL:
1) NORTH COAST SUBREGION, 2) OUTER NORTH COAST RANGES

WETLAND INDICATOR STATUS	DEFINITION
OBL	OBLIGATE, ALMOST ALWAYS OCCURS IN WETLANDS (>= 99%)
FACW	FACULATIVE WETLAND, USUALLY OCCURS IN WETLANDS (66-99%)
FAC+	FACULATIVE, CAN OCCUR IN WETLANDS. CAN TOLERATE WETTER CONDITIONS THEN FAC
FAC	FACULATIVE, EQUALLY LIKELY TO OCCUR IN WETLANDS/ NON-WETLANDS (34-66%)
FAC b	NOT ASSIGNED STATUS BUT APPEARS TO BE AT LEAST FAC

SEED	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS		POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
MIX WEG1-1 (FORD-WET MEADOW)	ALOPECURUS SACCATUS (PACIFIC FOXTAIL)	OBL		6
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW		12
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW		8
	HORDEUM BRACHYANTHERUM SSP. CALIFORNICUM (CALIFORNICA BARLEY)	FACW		12
	ELYMUS TRITICOIDES (BEARDLESS WILDRYE)	FAC		6
	JUNCUS PATENS (COMMON RUSH)	FACW		2
	JUNCUS ENSIFOLIUS (SWORDLEAF RUSH)	FACW		4
	JUNCUS TENUIS (SLENDER RUSH)	FACW		4
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW		3
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW		3
		TOTAL		54

SEED	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS		POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
MIX WEG1-3 (NIESEN-WET MEADOW)	ALOPECURUS SACCATUS (PACIFIC FOXTAIL)	OBL		6
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW		12
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW		8
	HORDEUM BRACHYANTHERUM SSP. CALIFORNICUM (CALIFORNICA BARLEY)	FACW		12
	JUNCUS PATENS (COMMON RUSH)	FACW		2
	JUNCUS ENSIFOLIUS (SWORDLEAF RUSH)	FACW		4
	JUNCUS TENUIS (SLENDER RUSH)	FACW		4
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW		3
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW		3
		TOTAL		54

SEED	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS		POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
MIX WEG1-2 (GOSS/ MGC PLASMA- WET MEADOW)	ALOPECURUS SACCATUS (PACIFIC FOXTAIL)	OBL		4
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW		3
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW		3
	HORDEUM BRACHYANTHERUM SSP. CALIFORNICUM (CALIFORNICA BARLEY)	FACW		2
	JUNCUS PATENS (COMMON RUSH)	FACW		2
	JUNCUS ENSIFOLIUS (SWORDLEAF RUSH)	FACW		6
	JUNCUS TENUIS (SLENDER RUSH)	FACW		6
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW		5
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW		5
		TOTAL		36

SEED	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS		POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
MIX WEG1-4 (WATSON-WET MEADOW)	ALOPECURUS SACCATUS (PACIFIC FOXTAIL)	OBL		4
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW		8
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW		8
	HORDEUM BRACHYANTHERUM SSP. CALIFORNICUM (CALIFORNICA BARLEY)	FACW		6
	JUNCUS PATENS (COMMON RUSH)	FACW		2
	JUNCUS ENSIFOLIUS (SWORDLEAF RUSH)	FACW		6
	JUNCUS TENUIS (SLENDER RUSH)	FACW		6
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW		5
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW		5
		TOTAL		50

EROSION CONTROL (WEG1-1) SEQUENCE AND APPLICATION (FORD- WET MEADOW)

SEQUENCE	ITEM	MATERIAL DESCRIPTION	MATERIAL TYPE	APPLICATION RATE
STEP 1	HYDROSEED	SEED	WEG1-1	54 LB/ACRE
		FIBER	WOOD	600 LB/ACRE
STEP 2	HYDROMULCH	FIBER	WOOD	600 LB/ACRE
		TACKIFIER	GUAR	200 LB/ACRE
STEP 3	ROLLED EROSION CONTROL PRODUCT (NETTING)	NETTING	TYPE A	

EROSION CONTROL (WEG1-2) SEQUENCE AND APPLICATION (GOSS/ MGC PLASMA- WET MEADOW)

SEQUENCE	ITEM	MATERIAL DESCRIPTION	MATERIAL TYPE	APPLICATION RATE
STEP 1	HYDROSEED	SEED	WEG1-2	36 LB/ACRE
		FIBER	WOOD	600 LB/ACRE
STEP 2	HYDROMULCH	FIBER	WOOD	600 LB/ACRE
		TACKIFIER	GUAR	200 LB/ACRE
STEP 3	ROLLED EROSION CONTROL PRODUCT (NETTING)	NETTING	TYPE A	

EROSION CONTROL (WEG1-3) SEQUENCE AND APPLICATION (NIESEN- WET MEADOW)

SEQUENCE	ITEM	MATERIAL DESCRIPTION	MATERIAL TYPE	APPLICATION RATE
STEP 1	HYDROSEED	SEED	WEG1-3	54 LB/ACRE
		FIBER	WOOD	600 LB/ACRE
STEP 2	HYDROMULCH	FIBER	WOOD	600 LB/ACRE
		TACKIFIER	GUAR	200 LB/ACRE
STEP 3	ROLLED EROSION CONTROL PRODUCT (NETTING)	NETTING	TYPE A	

EROSION CONTROL (WEG1-4) SEQUENCE AND APPLICATION (WATSON- WET MEADOW)

SEQUENCE	ITEM	MATERIAL DESCRIPTION	MATERIAL TYPE	APPLICATION RATE
STEP 1	LOCAL TOPSOIL	TOPSOIL	BMF	CY/ 1000 SQFT
STEP 2	HYDROSEED	SEED	WEG1-4	50 LB/ACRE
		FIBER	WOOD	600 LB/ACRE
STEP 3	HYDROMULCH	FIBER	WOOD	600 LB/ACRE
		TACKIFIER	GUAR	200 LB/ACRE
STEP 4	ROLLED EROSION CONTROL PRODUCT (NETTING)	NETTING	TYPE A	

NOTE:
PLACEMENT OF LOCAL TOPSOIL (Type BMF) SHALL INCLUDE COMPACTION MEASURES OF 80-85% FOR SOIL STABILIZATION.

WETLAND ESTABLISHMENT
GROUP 1

EROSION CONTROL SCHEDULE

NO SCALE

ECS-1

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00 | DATE PLOTTED => 09-JAN-2012 | TIME PLOTTED => 17:44

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => ECS_001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

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SEED MIX TABLE

PRIMARY SEED SOURCE:
1) LITTLE LAKE VALLEY, 2) OUTLET CREEK BASIN, 3) EEL RIVER WATERSHED.

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1) NORTH COAST SUBREGION, 2) OUTER NORTH COAST RANGES

WETLAND INDICATOR STATUS	DEFINITION
OBL	OBLIGATE, ALMOST ALWAYS OCCURS IN WETLANDS (>= 99%)
FACW	FACULATIVE WETLAND, USUALLY OCCURS IN WETLANDS (66-99%)
FAC+	FACULATIVE, CAN OCCUR IN WETLANDS. CAN TOLERATE WETTER CONDITIONS THEN FAC
FAC	FACULATIVE, EQUALLY LIKELY TO OCCUR IN WETLANDS/ NON-WETLANDS (34-66%)
FAC b	NOT ASSIGNED STATUS BUT APPEARS TO BE AT LEAST FAC

EROSION CONTROL SEQUENCE AND APPLICATION

SEQUENCE	ITEM	MATERIAL		APPLICATION RATE
		DESCRIPTION	TYPE	
STEP 1	HYDROSEED	SEED	--	-- LB/ACRE
		FIBER	WOOD	600 LB/ACRE
STEP 2	HYDROMULCH	FIBER	WOOD	600 LB/ACRE
		TACKIFIER	GUAR	200 LB/ACRE
STEP 3	ROLLED EROSION CONTROL PRODUCT (NETTING)	NETTING	TYPE A	

BENBOW APN 108-020-06

MIX 108-020-06

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
	ALOPERCURUS SACCATUS (PACIFIC FOXTAIL)	FACW
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW

BENBOW APN 108-030-07

MIX 108-030-07

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
	ALOPERCURUS SACCATUS (PACIFIC FOXTAIL)	FACW
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW

BENBOW APN 108-040-13

MIX 108-040-13

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
	ALOPERCURUS SACCATUS (PACIFIC FOXTAIL)	FACW
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW

BENBOW APN 007-010-04

MIX 007-010-04

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
	ALOPERCURUS SACCATUS (PACIFIC FOXTAIL)	FACW
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW

WETLAND ESTABLISHMENT
GROUP 2

WETLAND RESTORATION
TYPE 3
TYPE 4

EROSION CONTROL SCHEDULE

NO SCALE

ECS-2

REVISED BY | DATE REVISED

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SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00 | DATE PLOTTED => 09-JAN-2012 | TIME PLOTTED => 17:44

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => ECS_002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

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SEED MIX TABLE

PRIMARY SEED SOURCE:
1) LITTLE LAKE VALLEY, 2) OUTLET CREEK BASIN, 3) EEL RIVER WATERSHED.

SECONDARY SEED SOURCE PER THE JEPSON MANUAL:
1) NORTH COAST SUBREGION, 2) OUTER NORTH COAST RANGES

WETLAND INDICATOR STATUS	DEFINITION
OBL	OBLIGATE, ALMOST ALWAYS OCCURS IN WETLANDS (>= 99%)
FACW	FACULATIVE WETLAND, USUALLY OCCURS IN WETLANDS (66-99%)
FAC+	FACULATIVE, CAN OCCUR IN WETLANDS. CAN TOLERATE WETTER CONDITIONS THEN FAC
FAC	FACULATIVE, EQUALLY LIKELY TO OCCUR IN WETLANDS/ NON-WETLANDS (34-66%)
FAC b	NOT ASSIGNED STATUS BUT APPEARS TO BE AT LEAST FAC

EROSION CONTROL SEQUENCE AND APPLICATION

SEQUENCE	ITEM	MATERIAL		APPLICATION RATE
		DESCRIPTION	TYPE	
STEP 1	HYDROSEED	SEED	--	-- LB/ACRE
		FIBER	WOOD	600 LB/ACRE
STEP 2	HYDROMULCH	FIBER	WOOD	600 LB/ACRE
		TACKIFIER	GUAR	200 LB/ACRE
STEP 3	ROLLED EROSION CONTROL PRODUCT (NETTING)	NETTING	TYPE A	

BENBOW APN 007-020-03

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
MIX 007-020-03	ALOPERCURUS SACCATUS (PACIFIC FOXTAIL)	FACW
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW

FORD APN 108-020-04

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
MIX 108-020-04	ALOPERCURUS SACCATUS (PACIFIC FOXTAIL)	FACW
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW

FORD APN 108-030-02

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
MIX 108-030-02	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW

FORD APN 108-030-05

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
MIX 108-030-05	ALOPERCURUS SACCATUS (PACIFIC FOXTAIL)	FACW
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW

WETLAND ESTABLISHMENT
GROUP 2

WETLAND RESTORATION
TYPE 3
TYPE 4

EROSION CONTROL SCHEDULE

NO SCALE

ECS-3

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00 | DATE PLOTTED => 09-JAN-2012 | TIME PLOTTED => 17:44

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => ECS_003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

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SEED MIX TABLE

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1) NORTH COAST SUBREGION, 2) OUTER NORTH COAST RANGES

WETLAND INDICATOR STATUS	DEFINITION
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EROSION CONTROL SEQUENCE AND APPLICATION

SEQUENCE	ITEM	MATERIAL		APPLICATION RATE
		DESCRIPTION	TYPE	
STEP 1	HYDROSEED	SEED	--	-- LB/ACRE
		FIBER	WOOD	600 LB/ACRE
STEP 2	HYDROMULCH	FIBER	WOOD	600 LB/ACRE
		TACKIFIER	GUAR	200 LB/ACRE
STEP 3	ROLLED EROSION CONTROL PRODUCT (NETTING)	NETTING	TYPE A	

LUSHER APN 108-030-04

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
MIX 108-030-04	ALOPERCURUS SACCATUS (PACIFIC FOXTAIL)	FACW
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW

MGC PLASMA APN 103-250-14

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
MIX 103-250-14	ALOPERCURUS SACCATUS (PACIFIC FOXTAIL)	FACW
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW

NIESEN APN 108-040-02

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
MIX 108-040-02	ALOPERCURUS SACCATUS (PACIFIC FOXTAIL)	FACW
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW

WATSON APN 037-221-30

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
MIX 037-221-30	ALOPERCURUS SACCATUS (PACIFIC FOXTAIL)	FACW
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	GLYCERIA OCCIDENTALIS (NORTHWESTERN MANNAGRASS)	OBL
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW

WETLAND ESTABLISHMENT
GROUP 2

WETLAND RESTORATION
TYPE 3
TYPE 4

EROSION CONTROL SCHEDULE

NO SCALE

ECS-4

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00 | DATE PLOTTED => 09-JAN-2012 | TIME PLOTTED => 17:44

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => ECS_004.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

SEED MIX TABLE

PRIMARY SEED SOURCE:
1) LITTLE LAKE VALLEY, 2) OUTLET CREEK BASIN, 3) EEL RIVER WATERSHED.
SECONDARY SEED SOURCE PER THE JEPSON MANUAL:
1) NORTH COAST SUBREGION, 2) OUTER NORTH COAST RANGES

WETLAND INDICATOR STATUS	DEFINITION
OBL	OBLIGATE, ALMOST ALWAYS OCCURS IN WETLANDS (>= 99%)
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FAC	FACULATIVE, EQUALLY LIKELY TO OCCUR IN WETLANDS/ NON-WETLANDS (34-66%)
FAC b	NOT ASSIGNED STATUS BUT APPEARS TO BE AT LEAST FAC

EROSION CONTROL SEQUENCE AND APPLICATION

SEQUENCE	ITEM	MATERIAL		APPLICATION RATE
		DESCRIPTION	TYPE	
STEP 1	HYDROSEED	SEED	--	-- LB/ACRE
		FIBER	WOOD	600 LB/ACRE
STEP 2	HYDROMULCH	FIBER	WOOD	600 LB/ACRE
		TACKIFIER	GUAR	200 LB/ACRE
STEP 3	ROLLED EROSION CONTROL PRODUCT (NETTING)	NETTING	TYPE A	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

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WILDLANDS APN 108-060-01

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
MIX 108-060-01	ALOPERCURUS SACCATUS (PACIFIC FOXTAIL)	FACW
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW

WILDLANDS APN 108-020-07

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
MIX 108-020-07	ALOPERCURUS SACCATUS (PACIFIC FOXTAIL)	FACW
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW

WILDLANDS APN 108-030-08

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
MIX 108-030-08	ALOPERCURUS SACCATUS (PACIFIC FOXTAIL)	FACW
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW

WETLAND ESTABLISHMENT
GROUP 2

WETLAND RESTORATION
TYPE 3
TYPE 4

EROSION CONTROL SCHEDULE

NO SCALE

ECS-5

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT

LAST REVISION 00-00-00 | DATE PLOTTED => 09-JAN-2012 | TIME PLOTTED => 17:44

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

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SEED MIX TABLE

PRIMARY SEED SOURCE:
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WETLAND INDICATOR STATUS	DEFINITION
OBL	OBLIGATE, ALMOST ALWAYS OCCURS IN WETLANDS (>= 99%)
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FAC b	NOT ASSIGNED STATUS BUT APPEARS TO BE AT LEAST FAC

EROSION CONTROL SEQUENCE AND APPLICATION

SEQUENCE	ITEM	MATERIAL		APPLICATION RATE
		DESCRIPTION	TYPE	
STEP 1	HYDROSEED	SEED	--	-- LB/ACRE
		FIBER	WOOD	600 LB/ACRE
STEP 2	HYDROMULCH	FIBER	WOOD	600 LB/ACRE
		TACKIFIER	GUAR	200 LB/ACRE
STEP 3	ROLLED EROSION CONTROL PRODUCT (NETTING)	NETTING	TYPE A	

WILDLANDS APN 108-070-08

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
MIX 108-070-08	ALOPERCURUS SACCATUS (PACIFIC FOXTAIL)	FACW
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW

WILDLANDS APN 108-070-09

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
MIX 108-070-09	ALOPERCURUS SACCATUS (PACIFIC FOXTAIL)	FACW
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW

WETLAND ESTABLISHMENT
GROUP 2

WETLAND RESTORATION
TYPE 3
TYPE 4

EROSION CONTROL SCHEDULE

NO SCALE

ECS-6

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

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BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => ECS_006.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

SEED MIX TABLE

PRIMARY SEED SOURCE:
1) LITTLE LAKE VALLEY, 2) OUTLET CREEK BASIN, 3) EEL RIVER WATERSHED.
SECONDARY SEED SOURCE PER THE JEPSON MANUAL:
1) NORTH COAST SUBREGION, 2) OUTER NORTH COAST RANGES

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EROSION CONTROL SEQUENCE AND APPLICATION

SEQUENCE	ITEM	MATERIAL		APPLICATION RATE
		DESCRIPTION	TYPE	
STEP 1	HYDROSEED	SEED	--	-- LB/ACRE
		FIBER	WOOD	600 LB/ACRE
STEP 2	HYDROMULCH	FIBER	WOOD	600 LB/ACRE
		TACKIFIER	GUAR	200 LB/ACRE
STEP 3	ROLLED EROSION CONTROL PRODUCT (NETTING)	NETTING	TYPE A	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

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BENBOW
APN 108-040-13

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
MIX 108-040-13	ALOPECURUS SACCATUS (PACIFIC FOXTAIL)	FACW
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW
	JUNCUS EFFUSUS (BOG RUSH)	OBL
	SCIRPUS MICROCARPUS (SMALL FRUIT BULLBUSH)	OBL
	EQUISETUM ARVENSE (FIELD HORSETAIL)	FAC
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	AGROSTIS EXARATA (SPIKE BENTGRASS)	FACW

FORD
APN 108-010-06

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
MIX 108-010-06	ALOPECURUS SACCATUS (PACIFIC FOXTAIL)	FACW
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW
	JUNCUS EFFUSUS (BOG RUSH)	OBL
	SCIRPUS MICROCARPUS (SMALL FRUIT BULLBUSH)	OBL
	EQUISETUM ARVENSE (FIELD HORSETAIL)	FAC
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	AGROSTIS EXARATA (SPIKE BENTGRASS)	FACW

FROST
APN 108-070-04

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
MIX 108-070-04	ALOPECURUS SACCATUS (PACIFIC FOXTAIL)	FACW
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW
	JUNCUS EFFUSUS (BOG RUSH)	OBL
	SCIRPUS MICROCARPUS (SMALL FRUIT BULLBUSH)	OBL
	EQUISETUM ARVENSE (FIELD HORSETAIL)	FAC
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	AGROSTIS EXARATA (SPIKE BENTGRASS)	FACW

LUSHER
APN 108-030-04

SEED MIX	BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
MIX 108-030-04	ALOPECURUS SACCATUS (PACIFIC FOXTAIL)	FACW
	CAMASSIA QUAMASH (COMMON CAMAS)	FACW
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	DESCHAMPSIA CAESPITOSA (TUFTED HAIRGRASS)	FACW
	HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	FACW
	CAREX DENSA (DENSE SEDGE)	OBL
	JUNCUS BACTICUS (BALTIC RUSH)	OBL
	CAREX PREAGRACILIS (FIELD SEDGE)	FACW
	CAREX ATHROSTACHYA (SLENDER BEAK SEDGE)	FACW
	JUNCUS TENUIS (SLENDER RUSH)	FACW
	JUNCUS EFFUSUS (BOG RUSH)	OBL
	SCIRPUS MICROCARPUS (SMALL FRUIT BULLBUSH)	OBL
	EQUISETUM ARVENSE (FIELD HORSETAIL)	FAC
	DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW
	AGROSTIS EXARATA (SPIKE BENTGRASS)	FACW

REPAIR HEADCUT OR
ERODING BANK PLANTING

EROSION CONTROL SCHEDULE

NO SCALE

ECS-7

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

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ABBREVIATIONS

AMEND — amendment
B & B — balled and burlapped
Dia — diameter
EA — each
lb — pound
oz. — ounce
Ft — foot/feet
SQFT — square feet
CF — cubic feet
Max — maximum
Min — minimum
NCN — no common name
No. — number
Pkt — packet
PLT ESTB- plant establishment
Pvmt — pavement
R/W — right of way
SF — state furnished
TRVD — traveled

NOTE:

Underlined portions of botanical name indicate abbreviations used on Planting Plans.

1. PLANT SIZE "T4" IS EQUIVALENT TO "TREE POT," 4" x 14."
2. PLANT SIZE No.1 IS EQUIVALENT TO "1 GALLON."
3. PLANT SIZE "LINER" IS EQUIVALENT TO "TREE BAND."

WETLAND INDICATOR STATUS	DEFINITION
OBL	Obligate, almost always occurs in wetlands (>= 99 %)
FACW	Faculative wetland, usually occurs in wetlands (66-99%)
FAC+	Faculative, can occur in wetlands. can tolerate wetter conditions then FAC
FAC	Faculative, equally likely to occur in wetlands / nonwetlands (34 - 66%)
FAC b	Not assigned status but appears to be at least FAC

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PLANT LIST AND PLANTING SPECIFICATIONS - FOR WETLAND ESTABLISHMENT FORD (MIXED MARSH/ WET MEADOW) WEG1-1

PLANT GROUP	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	HOLE SIZE (INCH) Dia	HOLE SIZE (INCH) DEPTH	BASIN TYPE	IRON SULFATE	SOIL AMEND ①	COMMERCIAL FERTILIZER ① PLANTING	COMMERCIAL FERTILIZER ① PLT ESTB	BASIN MULCH	STAKING	PLANTING LIMITS MINIMUM DISTANCE (Ft) FROM TRVD WAY	PVMT	FENCE	WALL	PAVED DITCH	EARTH DITCH	ON CENTER (Ft)	REMARKS WETLAND INDICATOR
MIXED MARSH																							
M	1		CAREX DENSA	DENSE SEDGE	LINER ⑦		4.5"	5"	I	-	-	40 g	-	-	-	-	-	-	-	-	-		OBL
	2		CAREX PRAEGRACILIS	FIELD SEDGE	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	3		EUTHAMIA OCCIDENTALIS	WESTERN GOLDENROD	LINER ⑦					-				-	-	-	-	-	-	-	-		OBL
	4		JUNCUS BALTICUS	BALTIC RUSH	LINER ⑦					-				-	-	-	-	-	-	-	-		OBL
	5		JUNCUS PATENS	SPREADING RUSH	LINER ⑦					-				-	-	-	-	-	-	-	-		FAC
	6		SCIRPUS ACUTUS	TULE	LINER ⑦					-				-	-	-	-	-	-	-	-		OBL
	7		TYPHA LATIFOLIA	CATTAIL	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
WET MEADOW																							
M	8		CAMASSIA QUAMASH	COMMON CAMAS	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	9		JUNCUS BALTICUS	BALTIC RUSH	LINER ⑦					-				-	-	-	-	-	-	-	-		OBL
	10		JUNCUS EFFUSUS	SOFT RUSH	LINER ⑦					-				-	-	-	-	-	-	-	-		OBL
	11		JUNCUS ENSIFOLIUS	SWORDLEAF RUSH	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	12		JUNCUS PATENS	SPREADING RUSH	LINER ⑦					-				-	-	-	-	-	-	-	-		FAC
	13		JUNCUS PHAEOCHEPHALUS	BROWN HEADED RUSH	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	14		ELYMUS TRITICOIDES	BEARDLESS WILDRYE	LINER ⑦		4.5"	5"	I	-	-	40 g	-	-	-	-	-	-	-	-	-		FAC

APPLICABLE WHEN CIRCLED:

① - Quantities shown are "per plant" unless shown as SQFT or SQYD application rates
2 - Basin mulch is included with mulch quantities shown on Planting Plan
3 - Sufficient to receive root ball and amendments if required
4 - See Detail
5 - See Special Provisions
6 - See Standard Specifications
⑦ - As shown on plans
8 - Unless otherwise shown on plans
9 - Foliage Protector required
10 - Root Protector required
11 - Root Barrier required
12 - State-Furnished

DESIGN PLANS FOR OFFSITE MITIGATION WETLAND ESTABLISHMENT GROUP 1 PLANT LIST

NO SCALE

PL-1

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR LANDSCAPE ARCHITECT
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

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BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => PL_001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

ABBREVIATIONS

AMEND — amendment
B & B — balled and burlapped
Dia —— diameter
EA —— each
lb —— pound
oz. —— ounce
Ft —— foot/feet
SQFT — square feet
CF —— cubic feet
Max —— maximum
Min —— minimum
NCN —— no common name
No. —— number
Pkt —— packet
PLT ESTB- plant establishment
Pvmt —— pavement
R/W —— right of way
SF —— state furnished
TRVD —— traveled

NOTE:

Underlined portions of botanical name indicate abbreviations used on Planting Plans.

1. PLANT SIZE "T4" IS EQUIVALENT TO "TREE POT," 4" x 14."
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3. PLANT SIZE "LINER" IS EQUIVALENT TO "TREE BAND."

WETLAND INDICATOR STATUS	DEFINITION
OBL	Obligate, almost always occurs in wetlands (>= 99 %)
FACW	Faculative wetland, usually occurs in wetlands (66-99%)
FAC+	Faculative, can occur in wetlands. can tolerate wetter conditions then FAC
FAC	Faculative, equally likely to occur in wetlands / nonwetlands (34 - 66%)
FAC b	Not assigned status but appears to be at least FAC

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

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PLANT LIST AND PLANTING SPECIFICATIONS - FOR WETLAND ESTABLISHMENT
GOSS/ MGC PLASMA NORTH (WET MEADOW) WEG1-2

PLANT GROUP	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	HOLE SIZE (INCH) Dia	HOLE SIZE (INCH) DEPTH	BASIN TYPE	IRON SULFATE	SOIL AMEND ①	COMMERCIAL FERTILIZER ① PLANTING	COMMERCIAL FERTILIZER ① PLT ESTB	BASIN MULCH	STAKING	PLANTING LIMITS MINIMUM DISTANCE (Ft) FROM TRVD WAY	PVMT	FENCE	WALL	PAVED DITCH	EARTH DITCH	ON CENTER (Ft)	REMARKS WETLAND INDICATOR
M	1		CAREX ATHROSTACHYA	SLENDER BEAK SEDGE	LINER ⑦		4.5"	5"	I	-	-	40 g	-	-	-	-	-	-	-	-	-		FACW
	2		CAREX DENSA	DENSE SEDGE	LINER ⑦					-				-	-	-	-	-	-	-	-		OBL
	3		CAREX PRAEGRACILIS	FIELD SAGE	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	4		CAREX SUBBRACTEATA	SMALL BRACT SEDGE	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	5		CAREX TUMULICOLA	FOOTHILL SAGE	LINER ⑦					-				-	-	-	-	-	-	-	-		FAC
	6		DANTHONIA CALIFORNICA	CALIFORNIA OATGRASS	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	7		DESCHAMPSIA DANTHONIODES	ANNUAL HAIRGRASS	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	8		HORDEUM BRACHYANTHERUM	MEADOW BARLEY	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	9		JUNCUS BALTICUS	BALTIC RUSH	LINER ⑦					-				-	-	-	-	-	-	-	-		OBL
	10		JUNCUS ENSIFOLIUS	SWORDLEAF RUSH	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	11		JUNCUS TENUIS	SLENDER RUSH	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	12		JUNCUS PATENS	SPREADING RUSH	LINER ⑦					-				-	-	-	-	-	-	-	-		FAC
	13		AGROSTIS EXARATA	SPIKE BENTGRASS	LINER ⑦		4.5"	5"	I	-	-	40 g		-	-	-	-	-	-	-	-		FACW

APPLICABLE WHEN CIRCLED:

① - Quantities shown are "per plant" unless shown as SQFT or SQYD application rates
2 - Basin mulch is included with mulch quantities shown on Planting Plan
3 - Sufficient to receive root ball and amendments if required
4 - See Detail
5 - See Special Provisions
6 - See Standard Specifications
⑦ - As shown on plans
8 - Unless otherwise shown on plans
9 - Foliage Protector required
10 - Root Protector required
11 - Root Barrier required
12 - State-Furnished

DESIGN PLANS FOR OFFSITE MITIGATION WETLAND ESTABLISHMENT GROUP 1 PLANT LIST

NO SCALE

PL-2

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR LANDSCAPE ARCHITECT
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

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ABBREVIATIONS

AMEND — amendment
B & B — balled and burlapped
Dia — diameter
EA — each
lb — pound
oz. — ounce
Ft — foot/feet
SQFT — square feet
CF — cubic feet
Max — maximum
Min — minimum
NCN — no common name
No. — number
Pkt — packet
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NOTE:

Underlined portions of botanical name indicate abbreviations used on Planting Plans.

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3. PLANT SIZE "LINER" IS EQUIVALENT TO "TREE BAND."

WETLAND INDICATOR STATUS	DEFINITION
OBL	Obligate, almost always occurs in wetlands (>= 99 %)
FACW	Faculative wetland, usually occurs in wetlands (66-99%)
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

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PLANT LIST AND PLANTING SPECIFICATIONS - FOR WETLAND ESTABLISHMENT
NIESEN (WET MEADOW) WEG1-3

PLANT GROUP	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	HOLE SIZE (INCH) Dia	HOLE SIZE (INCH) DEPTH	BASIN TYPE	IRON SULFATE	SOIL AMEND ①	COMMERCIAL FERTILIZER ① PLANTING	COMMERCIAL FERTILIZER ① PLT ESTB	BASIN MULCH	STAKING	PLANTING LIMITS MINIMUM DISTANCE (Ft) FROM TRVD WAY	PVMT	FENCE	WALL	PAVED DITCH	EARTH DITCH	ON CENTER (Ft)	REMARKS WETLAND INDICATOR
M	1		CAREX ATHROSTACHYA	SLENDER BEAK SEDGE	LINER ⑦		4.5"	5"	I	-	-	40 g	-	-	-	-	-	-	-	-	-		FACW
	2		CAREX DENSA	DENSE SEDGE	LINER ⑦					-				-	-	-	-	-	-	-	-		OBL
	3		CAREX PRAEGRACILIS	FIELD SAGE	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	4		CAREX SUBBRACETETA	SMALL BRACT SEDGE	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	5		CAREX TUMULICOLA	FOOTHILL SEDGE	LINER ⑦					-				-	-	-	-	-	-	-	-		FAC
	6		DANTHONIA CALIFORNICA	CALIFORNIA OATGRASS	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	7		DESCHAMPSIA DANTHONIODES	ANNUAL HAIRGRASS	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	8		EUTHAMIA OCCIDENTALIS	WESTERN GOLDENROD	LINER ⑦					-				-	-	-	-	-	-	-	-		OBL
	9		HORDEUM BRACHYANTHERUM	MEADOW BARLEY	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	10		JUNCUS BALTICUS	BALTIC RUSH	LINER ⑦					-				-	-	-	-	-	-	-	-		OBL
	11		JUNCUS ENSIFOLIUS	SWORDLEAF RUSH	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	12		JUNCUS PATENS	SPREADING RUSH	LINER ⑦					-				-	-	-	-	-	-	-	-		FAC
	13		JUNCUS TENUIS	SLENDER RUSH	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	14		AGROSTIS EXARATA	SPIKE BENTGRASS	LINER ⑦		4.5"	5"	I	-	-	40 g		-	-	-	-	-	-	-	-		FACW

APPLICABLE WHEN CIRCLED:

① - Quantities shown are "per plant" unless shown as SQFT or SQYD application rates
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4 - See Detail
5 - See Special Provisions
6 - See Standard Specifications
7 - As shown on plans
8 - Unless otherwise shown on plans
9 - Foliage Protector required
10 - Root Protector required
11 - Root Barrier required
12 - State-Furnished

DESIGN PLANS FOR OFFSITE MITIGATION WETLAND ESTABLISHMENT GROUP 1 PLANT LIST

NO SCALE

PL-3

REVISED BY | DATE REVISED
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SENIOR LANDSCAPE ARCHITECT
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

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ABBREVIATIONS

AMEND — amendment
B & B — balled and burlapped
Dia — diameter
EA — each
lb — pound
oz. — ounce
Ft — foot/feet
SQFT — square feet
CF — cubic feet
Max — maximum
Min — minimum
NCN — no common name
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Pkt — packet
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

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PLANT LIST AND PLANTING SPECIFICATIONS - FOR WETLAND ESTABLISHMENT
WATSON (WET MEADOW) WEG1-4

PLANT GROUP	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	HOLE SIZE (INCH) Dia	HOLE SIZE (INCH) DEPTH	BASIN TYPE	IRON SULFATE	SOIL AMEND ①	COMMERCIAL FERTILIZER ① PLANTING	COMMERCIAL FERTILIZER ① PLT ESTB	BASIN MULCH	STAKING	PLANTING LIMITS MINIMUM DISTANCE (Ft) FROM TRVD WAY	PVMT	FENCE	WALL	PAVED DITCH	EARTH DITCH	ON CENTER (Ft)	REMARKS WETLAND INDICATOR
M	1		CAMASSIA QUAMASH	CAMAS LILY	LINER ⑦		4.5"	5"	I	-	-	40 g	-	-	-	-	-	-	-	-	-		FACW
	2		CAREX DENSA	DENSE SEDGE	LINER ⑦					-				-	-	-	-	-	-	-	-		OBL
	3		CAREX PRAEGRACILIS	FIELD SEDGE	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	4		CAREX TUMULICOLA	FOOTHILL SEDGE	LINER ⑦					-				-	-	-	-	-	-	-	-		FAC
	5		CAREX UNILATERALIS	LATERAL SEDGE	LINER ⑦					-				-	-	-	-	-	-	-	-		FAC
	6		DANTHONIA CALIFORNICA	CALIFORNIA OATGRASS	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	7		DESCHAMPSIA DANTHONIODES	ANNUAL HAIRGRASS	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	8		HORDEUM BRACHYANTHERUM	MEADOW BARLEY	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	9		JUNCUS BALTICUS	BALTIC RUSH	LINER ⑦					-				-	-	-	-	-	-	-	-		OBL
	10		JUNCUS ENSIFOLIUS	SWORDLEAF RUSH	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	11		JUNCUS PATENS	SPREADING RUSH	LINER ⑦					-				-	-	-	-	-	-	-	-		FAC
	12		JUNCUS PHAEOCEPHALUS	BROWN HEADED RUSH	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	13		JUNCUS TENUIS	SLENDER RUSH	LINER ⑦					-				-	-	-	-	-	-	-	-		FACW
	14		AGROSTIS EXARATA	SPIKE BENTGRASS	LINER ⑦		4.5"	5"	I	-	-	40 g		-	-	-	-	-	-	-	-		FACW

APPLICABLE WHEN CIRCLED:

① - Quantities shown are "per plant" unless shown as SQFT or SQYD application rates
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6 - See Standard Specifications
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9 - Foliage Protector required
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11 - Root Barrier required
12 - State-Furnished

DESIGN PLANS FOR OFFSITE MITIGATION WETLAND ESTABLISHMENT GROUP 1 PLANT LIST

NO SCALE

PL-4

REVISED BY | DATE REVISED
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SENIOR LANDSCAPE ARCHITECT
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00 | DATE PLOTTED => 09-JAN-2012 | TIME PLOTTED => 17:59

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => PL_004.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

PLANT LIST AND PLANTING SPECIFICATIONS

NOTE:

3) THIS SPECIES APPLIES TO WETLAND RESTORATION (TYPE3).
4) THIS SPECIES APPLIES TO WETLAND RESTORATION (TYPE4).

WETLAND INDICATOR STATUS	DEFINITION
OBL	Obligate, almost always occurs in wetlands (>= 99 %)
FACW	Faculative wetland, usually occurs in wetlands (66-99%)
FAC+	Faculative, can occur in wetlands. can tolerate wetter conditions then FAC
FAC	Faculative, equally likely to occur in wetlands / nonwetlands (34 - 66%)
FAC b	Not assigned status but appears to be at least FAC

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

BENBOW APN 007-010-04

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
CAREX ATHROSTACHYA (SLENDERBEAK SEDGE)	FACW
CAREX DENSA (DENSE SEDGE)	OBL
CAREX PREAGRACILIS (CLUSTERED FIELD SEDGE)	FACW
JUNCUS OCCIDENTALIS (WESTERN RUSH)	FACW
JUNCUS PATENS (COMMON RUSH)	FACW
JUNCUS TENUIS (SLENDER RUSH)	FACW
PLEUROPOGON CALIFORNICUS (ANNUAL SEMAPHOREGRASS)	OBL
3),4) QUERCUS LOBATA (VALLEY OAK)	FAC
4) ARTEMESA DOUGLASIANA (MUG WORT)	FACW
4) FRAXINUS LATIFOLIA (OREGON ASH)	FACW
4) ROSA CALIFORNIA (CALIFORNIA ROSE)	FAC
4) RUBUS LEUCODERMIS (WHITE BARK RASBERRY)	FAC
4) CALYCANTHUS OCCIDENTALIS (SPICE BUSH)	FAC
4) SAMBUCUS NIGRA SSP. CAERULEA (BLUE ELDERBERRY)	FAC
JUNCUS EFFUSUS (BOG RUSH)	OBL
SCIRPUS MICROCARPUS (SMALL FRUIT BULLBUSH)	OBL

BENBOW APN 007-020-03

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
CAREX ATHROSTACHYA (SLENDERBEAK SEDGE)	FACW
CAREX DENSA (DENSE SEDGE)	OBL
CAREX PREAGRACILIS (CLUSTERED FIELD SEDGE)	FACW
JUNCUS OCCIDENTALIS (WESTERN RUSH)	FACW
JUNCUS PATENS (COMMON RUSH)	FACW
JUNCUS TENUIS (SLENDER RUSH)	FACW
PLEUROPOGON CALIFORNICUS (ANNUAL SEMAPHOREGRASS)	OBL
3),4) QUERCUS LOBATA (VALLEY OAK)	FAC
4) ARTEMESA DOUGLASIANA (MUG WORT)	FACW
4) FRAXINUS LATIFOLIA (OREGON ASH)	FACW
4) ROSA CALIFORNIA (CALIFORNIA ROSE)	FAC
4) RUBUS LEUCODERMIS (WHITE BARK RASBERRY)	FAC
4) CALYCANTHUS OCCIDENTALIS (SPICE BUSH)	FAC
4) SAMBUCUS NIGRA SSP. CAERULEA (BLUE ELDERBERRY)	FAC
JUNCUS EFFUSUS (BOG RUSH)	OBL
SCIRPUS MICROCARPUS (SMALL FRUIT BULLBUSH)	OBL
EQUISETUM ARVENSE (FIELD HORSETAIL)	FAC

BENBOW APN 108-020-06

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
CAREX ATHROSTACHYA (SLENDERBEAK SEDGE)	FACW
CAREX DENSA (DENSE SEDGE)	OBL
CAREX PREAGRACILIS (CLUSTERED FIELD SEDGE)	FACW
JUNCUS OCCIDENTALIS (WESTERN RUSH)	FACW
JUNCUS PATENS (COMMON RUSH)	FACW
JUNCUS TENUIS (SLENDER RUSH)	FACW
PLEUROPOGON CALIFORNICUS (ANNUAL SEMAPHOREGRASS)	OBL
3),4) QUERCUS LOBATA (VALLEY OAK)	FAC
4) ARTEMESA DOUGLASIANA (MUG WORT)	FACW
4) FRAXINUS LATIFOLIA (OREGON ASH)	FACW
4) ROSA CALIFORNIA (CALIFORNIA ROSE)	FAC
4) RUBUS LEUCODERMIS (WHITE BARK RASBERRY)	FAC
4) CALYCANTHUS OCCIDENTALIS (SPICE BUSH)	FAC
4) SAMBUCUS NIGRA SSP. CAERULEA (BLUE ELDERBERRY)	FAC
JUNCUS EFFUSUS (BOG RUSH)	OBL
SCIRPUS MICROCARPUS (SMALL FRUIT BULLBUSH)	OBL

BENBOW APN 108-040-13

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
CAREX ATHROSTACHYA (SLENDERBEAK SEDGE)	FACW
CAREX DENSA (DENSE SEDGE)	OBL
CAREX PREAGRACILIS (CLUSTERED FIELD SEDGE)	FACW
JUNCUS OCCIDENTALIS (WESTERN RUSH)	FACW
JUNCUS PATENS (COMMON RUSH)	FACW
JUNCUS TENUIS (SLENDER RUSH)	FACW
PLEUROPOGON CALIFORNICUS (ANNUAL SEMAPHOREGRASS)	OBL
3),4) QUERCUS LOBATA (VALLEY OAK)	FAC
4) ARTEMESA DOUGLASIANA (MUG WORT)	FACW
4) FRAXINUS LATIFOLIA (OREGON ASH)	FACW
4) ROSA CALIFORNIA (CALIFORNIA ROSE)	FAC
4) RUBUS LEUCODERMIS (WHITE BARK RASBERRY)	FAC
4) CALYCANTHUS OCCIDENTALIS (SPICE BUSH)	FAC
4) SAMBUCUS NIGRA SSP. CAERULEA (BLUE ELDERBERRY)	FAC
JUNCUS EFFUSUS (BOG RUSH)	OBL
SCIRPUS MICROCARPUS (SMALL FRUIT BULLBUSH)	OBL

BENBOW APN 108-030-07

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
CAREX ATHROSTACHYA (SLENDERBEAK SEDGE)	FACW
CAREX DENSA (DENSE SEDGE)	OBL
CAREX PREAGRACILIS (CLUSTERED FIELD SEDGE)	FACW
JUNCUS OCCIDENTALIS (WESTERN RUSH)	FACW
JUNCUS PATENS (COMMON RUSH)	FACW
JUNCUS TENUIS (SLENDER RUSH)	FACW
3),4) QUERCUS LOBATA (VALLEY OAK)	FAC
4) ARTEMESA DOUGLASIANA (MUG WORT)	FACW
4) FRAXINUS LATIFOLIA (OREGON ASH)	FACW
4) ROSA CALIFORNIA (CALIFORNIA ROSE)	FAC
4) RUBUS LEUCODERMIS (WHITE BARK RASBERRY)	FAC
4) CALYCANTHUS OCCIDENTALIS (SPICE BUSH)	FAC
4) SAMBUCUS NIGRA SSP. CAERULEA (BLUE ELDERBERRY)	FAC
JUNCUS EFFUSUS (BOG RUSH)	OBL
SCIRPUS MICROCARPUS (SMALL FRUIT BULLBUSH)	OBL
EQUISETUM ARVENSE (FIELD HORSETAIL)	FAC

WETLAND ESTABLISHMENT
GROUP 2

WETLAND RESTORATION
TYPE 3
TYPE 4

NO SCALE

PLANT LIST
PL-5

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00 | DATE PLOTTED => 09-JAN-2012 | TIME PLOTTED => 17:59

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PLANT LIST AND PLANTING SPECIFICATIONS

NOTE:

3) THIS SPECIES APPLIES TO WETLAND RESTORATION (TYPE3).
4) THIS SPECIES APPLIES TO WETLAND RESTORATION (TYPE4).

WETLAND INDICATOR STATUS	DEFINITION
OBL	Obligate, almost always occurs in wetlands (>= 99 %)
FACW	Faculative wetland, usually occurs in wetlands (66-99%)
FAC+	Faculative, can occur in wetlands. can tolerate wetter conditions then FAC
FAC	Faculative, equally likely to occur in wetlands / nonwetlands (34 - 66%)
FAC b	Not assigned status but appears to be at least FAC

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

FORD APN 108-020-04

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
CAREX ATHROSTACHYA (SLENDERBEAK SEDGE)	FACW
CAREX DENSA (DENSE SEDGE)	OBL
CAREX PREAGRACILIS (CLUSTERED FIELD SEDGE)	FACW
JUNCUS OCCIDENTALIS (WESTERN RUSH)	FACW
JUNCUS PATENS (COMMON RUSH)	FACW
JUNCUS PHAEOCEPHALUS (BROWNHEAD RUSH)	FACW
JUNCUS TENUIS (SLENDER RUSH)	OBL
JUNCUS XIPHIOIDES (IRISLEAF RUSH)	OBL
PLEUROPOGON CALIFORNICUS (ANNUAL SEMAPHOREGRASS)	OBL
3),4) QUERCUS LOBATA (VALLEY OAK)	FAC
4) ARTEMESA DOUGLASIANA (MUG WORT)	FACW
4) FRAXINUS LATIFOLIA (OREGON ASH)	FACW
4) ROSA CALIFORNIA (CALIFORNIA ROSE)	FAC
4) RUBUS LEUCODERMIS (WHITE BARK RASBERRY)	FAC
4) CALYCANTHUS OCCIDENTALIS (SPICE BUSH)	FAC
4) SAMBUCUS NIGRA SSP. CAERULEA (BLUE ELDERBERRY)	FAC

FORD APN 108-030-02

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
CAREX ATHROSTACHYA (SLENDERBEAK SEDGE)	FACW
CAREX DENSA (DENSE SEDGE)	OBL
CAREX PREAGRACILIS (CLUSTERED FIELD SEDGE)	FACW
JUNCUS OCCIDENTALIS (WESTERN RUSH)	FACW
JUNCUS PATENS (COMMON RUSH)	FACW
JUNCUS TENUIS (SLENDER RUSH)	FACW
PLEUROPOGON CALIFORNICUS (ANNUAL SEMAPHOREGRASS)	OBL
3),4) QUERCUS LOBATA (VALLEY OAK)	FAC
4) ARTEMESA DOUGLASIANA (MUG WORT)	FACW
4) FRAXINUS LATIFOLIA (OREGON ASH)	FACW
4) ROSA CALIFORNIA (CALIFORNIA ROSE)	FAC
4) RUBUS LEUCODERMIS (WHITE BARK RASBERRY)	FAC
4) CALYCANTHUS OCCIDENTALIS (SPICE BUSH)	FAC
4) SAMBUCUS NIGRA SSP. CAERULEA (BLUE ELDERBERRY)	FAC
JUNCUS EFFUSUS (BOG RUSH)	OBL
SCIRPUS MICROCARPUS (SMALL FRUIT BULLBUSH)	OBL
EQUISETUM ARVENSE (FIELD HORSETAIL)	FAC
DANTHONIA CALIFORNICA (CALIFORNIA OATGRASS)	FACW

FORD APN 108-030-05

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
CAREX ATHROSTACHYA (SLENDERBEAK SEDGE)	FACW
CAREX DENSA (DENSE SEDGE)	OBL
CAREX PREAGRACILIS (CLUSTERED FIELD SEDGE)	FACW
JUNCUS OCCIDENTALIS (WESTERN RUSH)	FACW
JUNCUS PATENS (COMMON RUSH)	FACW
JUNCUS PHAEOCEPHALUS (BROWNHEAD RUSH)	FACW
JUNCUS TENUIS (SLENDER RUSH)	OBL
JUNCUS XIPHIOIDES (IRISLEAF RUSH)	OBL
PLEUROPOGON CALIFORNICUS (ANNUAL SEMAPHOREGRASS)	OBL
3),4) QUERCUS LOBATA (VALLEY OAK)	FAC
4) ARTEMESA DOUGLASIANA (MUG WORT)	FACW
4) FRAXINUS LATIFOLIA (OREGON ASH)	FACW
4) ROSA CALIFORNIA (CALIFORNIA ROSE)	FAC
4) RUBUS LEUCODERMIS (WHITE BARK RASBERRY)	FAC
4) CALYCANTHUS OCCIDENTALIS (SPICE BUSH)	FAC
4) SAMBUCUS NIGRA SSP. CAERULEA (BLUE ELDERBERRY)	FAC

WETLAND ESTABLISHMENT
GROUP 2

WETLAND RESTORATION
TYPE 3
TYPE 4

NO SCALE

PLANT LIST

PL-6

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY | CHECKED BY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT

LAST REVISION 00-00-00 | DATE PLOTTED => 09-JAN-2012 | TIME PLOTTED => 17:59

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => PL_006.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

PLANT LIST AND PLANTING SPECIFICATIONS

NOTE:

3) THIS SPECIES APPLIES TO WETLAND RESTORATION (TYPE3).
4) THIS SPECIES APPLIES TO WETLAND RESTORATION (TYPE4).

WETLAND INDICATOR STATUS	DEFINITION
OBL	Obligate, almost always occurs in wetlands (>= 99 %)
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

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LUSHER
APN 108-030-04

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
CAREX ATHROSTACHYA (SLENDERBEAK SEDGE)	FACW
CAREX DENSA (DENSE SEDGE)	OBL
CAREX PREAGRACILIS (CLUSTERED FIELD SEDGE)	FACW
JUNCUS OCCIDENTALIS (WESTERN RUSH)	FACW
JUNCUS PATENS (COMMON RUSH)	FACW
JUNCUS PHAEOCEPHALUS (BROWNHEAD RUSH)	FACW
JUNCUS TENUIS (SLENDER RUSH)	OBL
PLEUROPOGON CALIFORNICUS (ANNUAL SEMAPHOREGRASS)	OBL
3),4) QUERCUS LOBATA (VALLEY OAK)	FAC
4) ARTEMESA DOUGLASIANA (MUG WORT)	FACW
4) FRAXINUS LATIFOLIA (OREGON ASH)	FACW
4) ROSA CALIFORNIA (CALIFORNIA ROSE)	FAC
4) RUBUS LEUCODERMIS (WHITE BARK RASBERRY)	FAC
4) CALYCANTHUS OCCIDENTALIS (SPICE BUSH)	FAC
4) SAMBUCUS NIGRA SSP. CAERULEA (BLUE ELDERBERRY)	FAC
JUNCUS EFFUSUS (BOG RUSH)	OBL

MGC PLASMA - MIDDLE
APN 103-250-14

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
CAREX ATHROSTACHYA (SLENDERBEAK SEDGE)	FACW
CAREX DENSA (DENSE SEDGE)	OBL
CAREX PREAGRACILIS (CLUSTERED FIELD SEDGE)	FACW
JUNCUS OCCIDENTALIS (WESTERN RUSH)	FACW
JUNCUS PATENS (COMMON RUSH)	FACW
JUNCUS TENUIS (SLENDER RUSH)	FACW
PLEUROPOGON CALIFORNICUS (ANNUAL SEMAPHOREGRASS)	OBL
3),4) QUERCUS LOBATA (VALLEY OAK)	FAC
4) ARTEMESA DOUGLASIANA (MUG WORT)	FACW
4) FRAXINUS LATIFOLIA (OREGON ASH)	FACW
4) ROSA CALIFORNIA (CALIFORNIA ROSE)	FAC
4) RUBUS LEUCODERMIS (WHITE BARK RASBERRY)	FAC
4) CALYCANTHUS OCCIDENTALIS (SPICE BUSH)	FAC
4) SAMBUCUS NIGRA SSP. CAERULEA (BLUE ELDERBERRY)	FAC
JUNCUS EFFUSUS (BOG RUSH)	OBL
SCIRPUS MICROCARPUS (SMALL FRUIT BULLBUSH)	OBL
EQUISETUM ARVENSE (FIELD HORSETAIL)	FAC

NIESEN
APN 108-040-02

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
CAREX ATHROSTACHYA (SLENDERBEAK SEDGE)	FACW
CAREX DENSA (DENSE SEDGE)	OBL
CAREX PREAGRACILIS (CLUSTERED FIELD SEDGE)	FACW
JUNCUS OCCIDENTALIS (WESTERN RUSH)	FACW
JUNCUS PATENS (COMMON RUSH)	FACW
JUNCUS TENUIS (SLENDER RUSH)	FACW
PLEUROPOGON CALIFORNICUS (ANNUAL SEMAPHOREGRASS)	OBL
3),4) QUERCUS LOBATA (VALLEY OAK)	FAC
4) ARTEMESA DOUGLASIANA (MUG WORT)	FACW
4) FRAXINUS LATIFOLIA (OREGON ASH)	FACW
4) ROSA CALIFORNIA (CALIFORNIA ROSE)	FAC
4) RUBUS LEUCODERMIS (WHITE BARK RASBERRY)	FAC
4) CALYCANTHUS OCCIDENTALIS (SPICE BUSH)	FAC
4) SAMBUCUS NIGRA SSP. CAERULEA (BLUE ELDERBERRY)	FAC
JUNCUS EFFUSUS (BOG RUSH)	OBL
SCIRPUS MICROCARPUS (SMALL FRUIT BULLBUSH)	OBL

WATSON - EAST
APN 037-221-30

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
CAREX DENSA (DENSE SEDGE)	OBL
CAREX NEBRASCENSIS (NEBRASKA SEDGE)	OBL
CAREX LEPTOPODA (SLENDER FOOTED SAGE)	FACW
CAREX PREAGRACILIS (CLUSTERED FIELD SEDGE)	FACW
JUNCUS EFFUSES (SOFT RUSH)	OBL
JUNCUS OCCIDENTALIS (WESTERN RUSH)	FACW
JUNCUS PATENS (COMMON RUSH)	FAC
JUNCUS PHAEOCEPHALUS (BROWNHEAD RUSH)	FACW
JUNCUS TENUIS (SLENDER RUSH)	FACW
JUNCUS XIPHIOIDES (IRISLEAF RUSH)	OBL
PLEUROPOGON CALIFORNICUS (ANNUAL SEMAPHOREGRASS)	OBL
3),4) QUERCUS LOBATA (VALLEY OAK)	FAC
4) ARTEMESA DOUGLASIANA (MUG WORT)	FACW
4) FRAXINUS LATIFOLIA (OREGON ASH)	FACW
4) ROSA CALIFORNIA (CALIFORNIA ROSE)	FAC
4) RUBUS LEUCODERMIS (WHITE BARK RASBERRY)	FAC
4) CALYCANTHUS OCCIDENTALIS (SPICE BUSH)	FAC
4) SAMBUCUS NIGRA SSP. CAERULEA (BLUE ELDERBERRY)	FAC

WETLAND ESTABLISHMENT
GROUP 2

WETLAND RESTORATION
TYPE 3
TYPE 4

NO SCALE

PLANT LIST
PL-7

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

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PLANT LIST AND PLANTING SPECIFICATIONS

NOTE:

3) THIS SPECIES APPLIES TO WETLAND RESTORATION (TYPE3).
4) THIS SPECIES APPLIES TO WETLAND RESTORATION (TYPE4).

WETLAND INDICATOR STATUS	DEFINITION
OBL	Obligate, almost always occurs in wetlands (>= 99 %)
FACW	Faculative wetland, usually occurs in wetlands (66-99%)
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FAC	Faculative, equally likely to occur in wetlands / nonwetlands (34 - 66%)
FAC b	Not assigned status but appears to be at least FAC

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

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WILDLANDS APN 108-020-07	
BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
CAREX ATHROSTACHYA (SLENDERBEAK SEDGE)	FACW
CAREX DENSA (DENSE SEDGE)	OBL
CAREX PREAGRACILIS (CLUSTERED FIELD SEDGE)	FACW
JUNCUS OCCIDENTALIS (WESTERN RUSH)	FACW
JUNCUS PATENS (COMMON RUSH)	FACW
JUNCUS TENUIS (SLENDER RUSH)	FACW
PLEUROPOGON CALIFORNICUS (ANNUAL SEMAPHOREGRASS)	OBL
3),4) QUERCUS LOBATA (VALLEY OAK)	FAC
4) ARTEMESA DOUGLASIANA (MUG WORT)	FACW
4) FRAXINUS LATIFOLIA (OREGON ASH)	FACW
4) ROSA CALIFORNIA (CALIFORNIA ROSE)	FAC
4) RUBUS LEUCODERMIS (WHITE BARK RASBERRY)	FAC
4) CALYCANTHUS OCCIDENTALIS (SPICE BUSH)	FAC
4) SAMBUCUS NIGRA SSP. CAERULEA (BLUE ELDERBERRY)	FAC
JUNCUS EFFUSUS (BOG RUSH)	OBL
SCIRPUS MICROCARPUS (SMALL FRUIT BULLBUSH)	OBL

WILDLANDS APN 108-030-08	
BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
CAREX ATHROSTACHYA (SLENDERBEAK SEDGE)	FACW
CAREX DENSA (DENSE SEDGE)	OBL
CAREX PREAGRACILIS (CLUSTERED FIELD SEDGE)	FACW
JUNCUS OCCIDENTALIS (WESTERN RUSH)	FACW
JUNCUS PATENS (COMMON RUSH)	FACW
JUNCUS TENUIS (SLENDER RUSH)	FACW
PLEUROPOGON CALIFORNICUS (ANNUAL SEMAPHOREGRASS)	OBL
3),4) QUERCUS LOBATA (VALLEY OAK)	FAC
4) ARTEMESA DOUGLASIANA (MUG WORT)	FACW
4) FRAXINUS LATIFOLIA (OREGON ASH)	FACW
4) ROSA CALIFORNIA (CALIFORNIA ROSE)	FAC
4) RUBUS LEUCODERMIS (WHITE BARK RASBERRY)	FAC
4) CALYCANTHUS OCCIDENTALIS (SPICE BUSH)	FAC
4) SAMBUCUS NIGRA SSP. CAERULEA (BLUE ELDERBERRY)	FAC
JUNCUS EFFUSUS (BOG RUSH)	OBL
SCIRPUS MICROCARPUS (SMALL FRUIT BULLBUSH)	OBL

WILDLANDS APN 108-060-01	
BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
CAREX ATHROSTACHYA (SLENDERBEAK SEDGE)	FACW
CAREX DENSA (DENSE SEDGE)	OBL
CAREX PREAGRACILIS (CLUSTERED FIELD SEDGE)	FACW
JUNCUS OCCIDENTALIS (WESTERN RUSH)	FACW
JUNCUS PATENS (COMMON RUSH)	FACW
JUNCUS TENUIS (SLENDER RUSH)	FACW
PLEUROPOGON CALIFORNICUS (ANNUAL SEMAPHOREGRASS)	OBL
3),4) QUERCUS LOBATA (VALLEY OAK)	FAC
4) ARTEMESA DOUGLASIANA (MUG WORT)	FACW
4) FRAXINUS LATIFOLIA (OREGON ASH)	FACW
4) ROSA CALIFORNIA (CALIFORNIA ROSE)	FAC
4) RUBUS LEUCODERMIS (WHITE BARK RASBERRY)	FAC
4) CALYCANTHUS OCCIDENTALIS (SPICE BUSH)	FAC
4) SAMBUCUS NIGRA SSP. CAERULEA (BLUE ELDERBERRY)	FAC
JUNCUS EFFUSUS (BOG RUSH)	OBL
SCIRPUS MICROCARPUS (SMALL FRUIT BULLBUSH)	OBL

WILDLANDS APN 108-070-08	
BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
CAREX ATHROSTACHYA (SLENDERBEAK SEDGE)	FACW
CAREX DENSA (DENSE SEDGE)	OBL
CAREX PREAGRACILIS (CLUSTERED FIELD SEDGE)	FACW
JUNCUS OCCIDENTALIS (WESTERN RUSH)	FACW
JUNCUS PATENS (COMMON RUSH)	FACW
JUNCUS TENUIS (SLENDER RUSH)	FACW
PLEUROPOGON CALIFORNICUS (ANNUAL SEMAPHOREGRASS)	OBL
3),4) QUERCUS LOBATA (VALLEY OAK)	FAC
4) ARTEMESA DOUGLASIANA (MUG WORT)	FACW
4) FRAXINUS LATIFOLIA (OREGON ASH)	FACW
4) ROSA CALIFORNIA (CALIFORNIA ROSE)	FAC
4) RUBUS LEUCODERMIS (WHITE BARK RASBERRY)	FAC
4) CALYCANTHUS OCCIDENTALIS (SPICE BUSH)	FAC
4) SAMBUCUS NIGRA SSP. CAERULEA (BLUE ELDERBERRY)	FAC
JUNCUS EFFUSUS (BOG RUSH)	OBL
SCIRPUS MICROCARPUS (SMALL FRUIT BULLBUSH)	OBL

WILDLANDS APN 108-070-09	
BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
CAREX ATHROSTACHYA (SLENDERBEAK SEDGE)	FACW
CAREX DENSA (DENSE SEDGE)	OBL
CAREX PREAGRACILIS (CLUSTERED FIELD SEDGE)	FACW
JUNCUS OCCIDENTALIS (WESTERN RUSH)	FACW
JUNCUS PATENS (COMMON RUSH)	FACW
JUNCUS TENUIS (SLENDER RUSH)	FACW
PLEUROPOGON CALIFORNICUS (ANNUAL SEMAPHOREGRASS)	OBL
3),4) QUERCUS LOBATA (VALLEY OAK)	FAC
4) ARTEMESA DOUGLASIANA (MUG WORT)	FACW
4) FRAXINUS LATIFOLIA (OREGON ASH)	FACW
4) ROSA CALIFORNIA (CALIFORNIA ROSE)	FAC
4) RUBUS LEUCODERMIS (WHITE BARK RASBERRY)	FAC
4) CALYCANTHUS OCCIDENTALIS (SPICE BUSH)	FAC
4) SAMBUCUS NIGRA SSP. CAERULEA (BLUE ELDERBERRY)	FAC
JUNCUS EFFUSUS (BOG RUSH)	OBL
SCIRPUS MICROCARPUS (SMALL FRUIT BULLBUSH)	OBL

WETLAND ESTABLISHMENT
GROUP 2

WETLAND RESTORATION
TYPE 3
TYPE 4

NO SCALE

PLANT LIST
PL-8

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00 | DATE PLOTTED => 09-JAN-2012 | TIME PLOTTED => 17:59

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => PL_008.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

PLANT LIST AND PLANTING SPECIFICATIONS

WETLAND INDICATOR STATUS	DEFINITION
OBL	Obligate, almost always occurs in wetlands (>= 99 %)
FACW	Faculative wetland, usually occurs in wetlands (66-99%)
FAC+	Faculative, can occur in wetlands. can tolerate wetter conditions then FAC
FAC	Faculative, equally likely to occur in wetlands / nonwetlands (34 - 66%)
FAC b	Not assigned status but appears to be at least FAC

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

BENBOW
APN 007-010-04

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
ACER NEGUNDO (BOXELDER MAPLE)	FAC
ALNUS RHOMBIFOLIA (WHITE ALDER)	FACW
ARTEMESIA DOUGLASIANA (MUGWORT)	FACW
CORNUS GLABRATA (BROWN TWIG DOGWOOD)	FAC
CORNUS SERICIEA (RED OSIER DOGWOOD)	FACW
FRAXINUS LATIFOLIA (OREGON ASH)	FACW
PHYSOCARPUS CAPITATUS (PACIFIC NINEBARK)	FACW
QUERCUS LOBATA (VALLEY OAK)	FAC
ROSA CALIFORNICA (CALIFORNIA WILD ROSE)	FAC+
RUBUS URSINUS (CALIFORNIA BLACKBERRY)	FACW
SALIX EXIGUA (SANDBAR WILLOW)	OBL
SALIX LASIOLEPIS (ARROYO WILLOW)	FACW
SALIX LUCIDA LASIANDRA (PACIFIC WILLOW)	OBL
TOXICODENDRON DIVERSILOBUM (WESTERN POISON OAK)	FAC b
UMBELLULARIA CALIFORNICA (CALIFORNIA BAYNUT)	FAC

BENBOW
APN 007-020-03

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
ACER NEGUNDO (BOXELDER MAPLE)	FAC
ALNUS RHOMBIFOLIA (WHITE ALDER)	FACW
ARTEMESIA DOUGLASIANA (MUGWORT)	FACW
CORNUS GLABRATA (BROWN TWIG DOGWOOD)	FAC
CORNUS SERICIEA (RED OSIER DOGWOOD)	FACW
FRAXINUS LATIFOLIA (OREGON ASH)	FACW
PHYSOCARPUS CAPITATUS (PACIFIC NINEBARK)	FACW
QUERCUS LOBATA (VALLEY OAK)	FAC
ROSA CALIFORNICA (CALIFORNIA WILD ROSE)	FAC+
RUBUS URSINUS (CALIFORNIA BLACKBERRY)	FACW
SALIX EXIGUA (SANDBAR WILLOW)	OBL
SALIX LASIOLEPIS (ARROYO WILLOW)	FACW
SALIX LUCIDA LASIANDRA (PACIFIC WILLOW)	OBL
TOXICODENDRON DIVERSILOBUM (WESTERN POISON OAK)	FAC b
UMBELLULARIA CALIFORNICA (CALIFORNIA BAYNUT)	FAC

BENBOW
APN 108-040-13

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
ACER NEGUNDO (BOXELDER MAPLE)	FAC
ALNUS RHOMBIFOLIA (WHITE ALDER)	FACW
ARTEMESIA DOUGLASIANA (MUGWORT)	FACW
CORNUS GLABRATA (BROWN TWIG DOGWOOD)	FAC
CORNUS SERICIEA (RED OSIER DOGWOOD)	FACW
FRAXINUS LATIFOLIA (OREGON ASH)	FACW
PHYSOCARPUS CAPITATUS (PACIFIC NINEBARK)	FACW
QUERCUS LOBATA (VALLEY OAK)	FAC
ROSA CALIFORNICA (CALIFORNIA WILD ROSE)	FAC+
RUBUS URSINUS (CALIFORNIA BLACKBERRY)	FACW
SALIX EXIGUA (SANDBAR WILLOW)	OBL
SALIX LASIOLEPIS (ARROYO WILLOW)	FACW
SALIX LUCIDA LASIANDRA (PACIFIC WILLOW)	OBL
TOXICODENDRON DIVERSILOBUM (WESTERN POISON OAK)	FAC b
UMBELLULARIA CALIFORNICA (CALIFORNIA BAYNUT)	FAC

WETLAND REHABILITATION
TYPE 5

RIPARIAN CORRIDORS
OTHER WATERS (CREDIT)
OTHER WATERS (NO CREDIT)

NO SCALE

PLANT LIST
PL-9

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00 | DATE PLOTTED => 09-JAN-2012 | TIME PLOTTED => 17:59

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => PL_009.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

PLANT LIST AND PLANTING SPECIFICATIONS

WETLAND INDICATOR STATUS	DEFINITION
OBL	Obligate, almost always occurs in wetlands (>= 99 %)
FACW	Faculative wetland, usually occurs in wetlands (66-99%)
FAC+	Faculative, can occur in wetlands. can tolerate wetter conditions then FAC
FAC	Faculative, equally likely to occur in wetlands / nonwetlands (34 - 66%)
FAC b	Not assigned status but appears to be at least FAC

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

FORD APN 108-010-05

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
ACER NEGUNDO (BOXELDER MAPLE)	FAC
ALNUS RHOMBIFOLIA (WHITE ALDER)	FACW
ARTEMESIA DOUGLASIANA (MUGWORT)	FACW
CORNUS GLABRATA (BROWN TWIG DOGWOOD)	FAC
CORNUS SERICIEA (RED OSIER DOGWOOD)	FACW
FRAXINUS LATIFOLIA (OREGON ASH)	FACW
PHYSOCARPUS CAPITATUS (PACIFIC NINEBARK)	FACW
QUERCUS LOBATA (VALLEY OAK)	FAC
ROSA CALIFORNICA (CALIFORNIA WILD ROSE)	FAC+
RUBUS URSINUS (CALIFORNIA BLACKBERRY)	FACW
SALIX EXIGUA (SANDBAR WILLOW)	OBL
SALIX LASIOLEPIS (ARROYO WILLOW)	FACW
SALIX LUCIDA LASIANDRA (PACIFIC WILLOW)	OBL
TOXICODENDRON DIVERSILOBUM (WESTERN POISON OAK)	FAC b
UMBELLULARIA CALIFORNICA (CALIFORNIA BAYNUT)	FAC

FORD APN 108-010-06

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
ALNUS RHOMBIFOLIA (WHITE ALDER)	FACW
ARTEMESIA DOUGLASIANA (MUGWORT)	FACW
CORNUS GLABRATA (BROWN TWIG DOGWOOD)	FAC
CORNUS SERICIEA (RED OSIER DOGWOOD)	FACW
FRAXINUS LATIFOLIA (OREGON ASH)	FACW
PHYSOCARPUS CAPITATUS (PACIFIC NINEBARK)	FACW
POPULUS FREMONTII (FREMONT COTTONWOOD)	FACW
POPULUS BALSAMIFERA (BLACK COTTONWOOD)	FAC
QUERCUS LOBATA (VALLEY OAK)	FAC
ROSA CALIFORNICA (CALIFORNIA WILD ROSE)	FAC+
RUBUS URSINUS (CALIFORNIA BLACKBERRY)	FACW
SALIX EXIGUA (SANDBAR WILLOW)	OBL
SALIX LASIOLEPIS (ARROYO WILLOW)	FACW
SALIX LUCIDA LASIANDRA (PACIFIC WILLOW)	OBL
TOXICODENDRON DIVERSILOBUM (WESTERN POISON OAK)	FAC b

FORD APN 108-020-04

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
ALNUS RHOMBIFOLIA (WHITE ALDER)	FACW
ARTEMESIA DOUGLASIANA (MUGWORT)	FACW
CORNUS GLABRATA (BROWN TWIG DOGWOOD)	FAC
CORNUS SERICIEA (RED OSIER DOGWOOD)	FACW
FRAXINUS LATIFOLIA (OREGON ASH)	FACW
PHYSOCARPUS CAPITATUS (PACIFIC NINEBARK)	FACW
POPULUS FREMONTII (FREMONT COTTONWOOD)	FACW
POPULUS BALSAMIFERA (BLACK COTTONWOOD)	FAC
QUERCUS LOBATA (VALLEY OAK)	FAC
ROSA CALIFORNICA (CALIFORNIA WILD ROSE)	FAC+
RUBUS URSINUS (CALIFORNIA BLACKBERRY)	FACW
SALIX EXIGUA (SANDBAR WILLOW)	OBL
SALIX LASIOLEPIS (ARROYO WILLOW)	FACW
SALIX LUCIDA LASIANDRA (PACIFIC WILLOW)	OBL
TOXICODENDRON DIVERSILOBUM (WESTERN POISON OAK)	FAC b

FORD APN 108-030-02

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
ACER NEGUNDO (BOXELDER MAPLE)	FAC
ALNUS RHOMBIFOLIA (WHITE ALDER)	FACW
ARTEMESIA DOUGLASIANA (MUGWORT)	FACW
CORNUS GLABRATA (BROWN TWIG DOGWOOD)	FAC
CORNUS SERICIEA (RED OSIER DOGWOOD)	FACW
FRAXINUS LATIFOLIA (OREGON ASH)	FACW
PHYSOCARPUS CAPITATUS (PACIFIC NINEBARK)	FACW
QUERCUS LOBATA (VALLEY OAK)	FAC
ROSA CALIFORNICA (CALIFORNIA WILD ROSE)	FAC+
RUBUS URSINUS (CALIFORNIA BLACKBERRY)	FACW
SALIX EXIGUA (SANDBAR WILLOW)	OBL
SALIX LASIOLEPIS (ARROYO WILLOW)	FACW
SALIX LUCIDA LASIANDRA (PACIFIC WILLOW)	OBL
TOXICODENDRON DIVERSILOBUM (WESTERN POISON OAK)	FAC b
UMBELLULARIA CALIFORNICA (CALIFORNIA BAYNUT)	FAC

FORD APN 108-030-05

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
ACER NEGUNDO (BOXELDER MAPLE)	FAC
ALNUS RHOMBIFOLIA (WHITE ALDER)	FACW
ARTEMESIA DOUGLASIANA (MUGWORT)	FACW
CORNUS GLABRATA (BROWN TWIG DOGWOOD)	FAC
CORNUS SERICIEA (RED OSIER DOGWOOD)	FACW
FRAXINUS LATIFOLIA (OREGON ASH)	FACW
PHYSOCARPUS CAPITATUS (PACIFIC NINEBARK)	FACW
QUERCUS LOBATA (VALLEY OAK)	FAC
ROSA CALIFORNICA (CALIFORNIA WILD ROSE)	FAC+
RUBUS URSINUS (CALIFORNIA BLACKBERRY)	FACW
SALIX EXIGUA (SANDBAR WILLOW)	OBL
SALIX LASIOLEPIS (ARROYO WILLOW)	FACW
SALIX LUCIDA LASIANDRA (PACIFIC WILLOW)	OBL
TOXICODENDRON DIVERSILOBUM (WESTERN POISON OAK)	FAC b
UMBELLULARIA CALIFORNICA (CALIFORNIA BAYNUT)	FAC

WETLAND REHABILITATION
TYPE 5

RIPARIAN CORRIDORS
OTHER WATERS (CREDIT)
OTHER WATERS (NO CREDIT)

NO SCALE

PLANT LIST
PL-10

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

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PLANT LIST AND PLANTING SPECIFICATIONS

WETLAND INDICATOR STATUS	DEFINITION
OBL	Obligate, almost always occurs in wetlands (>= 99 %)
FACW	Faculative wetland, usually occurs in wetlands (66-99%)
FAC+	Faculative, can occur in wetlands. can tolerate wetter conditions then FAC
FAC	Faculative, equally likely to occur in wetlands / nonwetlands (34 - 66%)
FAC b	Not assigned status but appears to be at least FAC

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

FROST
APN 108-070-04

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
ACER NEGUNDO (BOXELDER MAPLE)	FAC
ALNUS RHOMBIFOLIA (WHITE ALDER)	FACW
ARTEMESIA DOUGLASIANA (MUGWORT)	FACW
CORNUS GLABRATA (BROWN TWIG DOGWOOD)	FAC
CORNUS SERICIEA (RED OSIER DOGWOOD)	FACW
FRAXINUS LATIFOLIA (OREGON ASH)	FACW
PHYSOCARPUS CAPITATUS (PACIFIC NINEBARK)	FACW
QUERCUS LOBATA (VALLEY OAK)	FAC
ROSA CALIFORNICA (CALIFORNIA WILD ROSE)	FAC+
RUBUS URSINUS (CALIFORNIA BLACKBERRY)	FACW
SALIX EXIGUA (SANDBAR WILLOW)	OBL
SALIX LASIOLEPIS (ARROYO WILLOW)	FACW
SALIX LUCIDA LASIANDRA (PACIFIC WILLOW)	OBL
TOXICODENDRON DIVERSILOBUM (WESTERN POISON OAK)	FAC b
UMBELLULARIA CALIFORNICA (CALIFORNIA BAYNUT)	FAC

LUSHER
APN 108-030-04

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
ACER NEGUNDO (BOXELDER MAPLE)	FAC
ALNUS RHOMBIFOLIA (WHITE ALDER)	FACW
ARTEMESIA DOUGLASIANA (MUGWORT)	FACW
CORNUS GLABRATA (BROWN TWIG DOGWOOD)	FAC
CORNUS SERICIEA (RED OSIER DOGWOOD)	FACW
FRAXINUS LATIFOLIA (OREGON ASH)	FACW
PHYSOCARPUS CAPITATUS (PACIFIC NINEBARK)	FACW
QUERCUS LOBATA (VALLEY OAK)	FAC
ROSA CALIFORNICA (CALIFORNIA WILD ROSE)	FAC+
RUBUS URSINUS (CALIFORNIA BLACKBERRY)	FACW
SALIX EXIGUA (SANDBAR WILLOW)	OBL
SALIX LASIOLEPIS (ARROYO WILLOW)	FACW
SALIX LUCIDA LASIANDRA (PACIFIC WILLOW)	OBL
TOXICODENDRON DIVERSILOBUM (WESTERN POISON OAK)	FAC b
UMBELLULARIA CALIFORNICA (CALIFORNIA BAYNUT)	FAC

NANCE
APN 108-050-06

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
ACER NEGUNDO (BOXELDER MAPLE)	FAC
ALNUS RHOMBIFOLIA (WHITE ALDER)	FACW
ARTEMESIA DOUGLASIANA (MUGWORT)	FACW
CORNUS GLABRATA (BROWN TWIG DOGWOOD)	FAC
CORNUS SERICIEA (RED OSIER DOGWOOD)	FACW
FRAXINUS LATIFOLIA (OREGON ASH)	FACW
PHYSOCARPUS CAPITATUS (PACIFIC NINEBARK)	FACW
QUERCUS LOBATA (VALLEY OAK)	FAC
ROSA CALIFORNICA (CALIFORNIA WILD ROSE)	FAC+
RUBUS URSINUS (CALIFORNIA BLACKBERRY)	FACW
SALIX EXIGUA (SANDBAR WILLOW)	OBL
SALIX LASIOLEPIS (ARROYO WILLOW)	FACW
SALIX LUCIDA LASIANDRA (PACIFIC WILLOW)	OBL
TOXICODENDRON DIVERSILOBUM (WESTERN POISON OAK)	FAC b
UMBELLULARIA CALIFORNICA (CALIFORNIA BAYNUT)	FAC

WILDLANDS
APN 108-020-07

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
ACER NEGUNDO (BOXELDER MAPLE)	FAC
ALNUS RHOMBIFOLIA (WHITE ALDER)	FACW
ARTEMESIA DOUGLASIANA (MUGWORT)	FACW
CORNUS GLABRATA (BROWN TWIG DOGWOOD)	FAC
CORNUS SERICIEA (RED OSIER DOGWOOD)	FACW
FRAXINUS LATIFOLIA (OREGON ASH)	FACW
PHYSOCARPUS CAPITATUS (PACIFIC NINEBARK)	FACW
QUERCUS LOBATA (VALLEY OAK)	FAC
ROSA CALIFORNICA (CALIFORNIA WILD ROSE)	FAC+
RUBUS URSINUS (CALIFORNIA BLACKBERRY)	FACW
SALIX EXIGUA (SANDBAR WILLOW)	OBL
SALIX LASIOLEPIS (ARROYO WILLOW)	FACW
SALIX LUCIDA LASIANDRA (PACIFIC WILLOW)	OBL
TOXICODENDRON DIVERSILOBUM (WESTERN POISON OAK)	FAC b
UMBELLULARIA CALIFORNICA (CALIFORNIA BAYNUT)	FAC

WETLAND REHABILITATION
TYPE 5

RIPARIAN CORRIDORS
OTHER WATERS (CREDIT)
OTHER WATERS (NO CREDIT)

PLANT LIST

NO SCALE

PL-11

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

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BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => PL_011.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

PLANT LIST AND PLANTING SPECIFICATIONS

WETLAND INDICATOR STATUS	DEFINITION
OBL	Obligate, almost always occurs in wetlands (>= 99 %)
FACW	Faculative wetland, usually occurs in wetlands (66-99%)
FAC+	Faculative, can occur in wetlands. can tolerate wetter conditions then FAC
FAC	Faculative, equally likely to occur in wetlands / nonwetlands (34 - 66%)
FAC b	Not assigned status but appears to be at least FAC

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

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WILDLANDS APN 108-030-08

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
ACER NEGUNDO (BOXELDER MAPLE)	FAC
ALNUS RHOMBIFOLIA (WHITE ALDER)	FACW
ARTEMESIA DOUGLASIANA (MUGWORT)	FACW
CORNUS GLABRATA (BROWN TWIG DOGWOOD)	FAC
CORNUS SERICIEA (RED OSIER DOGWOOD)	FACW
FRAXINUS LATIFOLIA (OREGON ASH)	FACW
PHYSOCARPUS CAPITATUS (PACIFIC NINEBARK)	FACW
QUERCUS LOBATA (VALLEY OAK)	FAC
ROSA CALIFORNICA (CALIFORNIA WILD ROSE)	FAC+
RUBUS URSINUS (CALIFORNIA BLACKBERRY)	FACW
SALIX EXIGUA (SANDBAR WILLOW)	OBL
SALIX LASIOLEPIS (ARROYO WILLOW)	FACW
SALIX LUCIDA LASIANDRA (PACIFIC WILLOW)	OBL
TOXICODENDRON DIVERSILOBUM (WESTERN POISON OAK)	FAC b
UMBELLULARIA CALIFORNICA (CALIFORNIA BAYNUT)	FAC

WILDLANDS APN 108-060-01

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
ACER NEGUNDO (BOXELDER MAPLE)	FAC
ALNUS RHOMBIFOLIA (WHITE ALDER)	FACW
ARTEMESIA DOUGLASIANA (MUGWORT)	FACW
CORNUS GLABRATA (BROWN TWIG DOGWOOD)	FAC
CORNUS SERICIEA (RED OSIER DOGWOOD)	FACW
FRAXINUS LATIFOLIA (OREGON ASH)	FACW
PHYSOCARPUS CAPITATUS (PACIFIC NINEBARK)	FACW
QUERCUS LOBATA (VALLEY OAK)	FAC
ROSA CALIFORNICA (CALIFORNIA WILD ROSE)	FAC+
RUBUS URSINUS (CALIFORNIA BLACKBERRY)	FACW
SALIX EXIGUA (SANDBAR WILLOW)	OBL
SALIX LASIOLEPIS (ARROYO WILLOW)	FACW
SALIX LUCIDA LASIANDRA (PACIFIC WILLOW)	OBL
TOXICODENDRON DIVERSILOBUM (WESTERN POISON OAK)	FAC b
UMBELLULARIA CALIFORNICA (CALIFORNIA BAYNUT)	FAC

WILDLANDS APN 108-060-02

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
ACER NEGUNDO (BOXELDER MAPLE)	FAC
ALNUS RHOMBIFOLIA (WHITE ALDER)	FACW
ARTEMESIA DOUGLASIANA (MUGWORT)	FACW
CORNUS GLABRATA (BROWN TWIG DOGWOOD)	FAC
CORNUS SERICIEA (RED OSIER DOGWOOD)	FACW
FRAXINUS LATIFOLIA (OREGON ASH)	FACW
PHYSOCARPUS CAPITATUS (PACIFIC NINEBARK)	FACW
QUERCUS LOBATA (VALLEY OAK)	FAC
ROSA CALIFORNICA (CALIFORNIA WILD ROSE)	FAC+
RUBUS URSINUS (CALIFORNIA BLACKBERRY)	FACW
SALIX EXIGUA (SANDBAR WILLOW)	OBL
SALIX LASIOLEPIS (ARROYO WILLOW)	FACW
SALIX LUCIDA LASIANDRA (PACIFIC WILLOW)	OBL
TOXICODENDRON DIVERSILOBUM (WESTERN POISON OAK)	FAC b
UMBELLULARIA CALIFORNICA (CALIFORNIA BAYNUT)	FAC

WILDLANDS APN 108-070-08

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
ACER NEGUNDO (BOXELDER MAPLE)	FAC
ALNUS RHOMBIFOLIA (WHITE ALDER)	FACW
ARTEMESIA DOUGLASIANA (MUGWORT)	FACW
CORNUS GLABRATA (BROWN TWIG DOGWOOD)	FAC
CORNUS SERICIEA (RED OSIER DOGWOOD)	FACW
FRAXINUS LATIFOLIA (OREGON ASH)	FACW
PHYSOCARPUS CAPITATUS (PACIFIC NINEBARK)	FACW
QUERCUS LOBATA (VALLEY OAK)	FAC
ROSA CALIFORNICA (CALIFORNIA WILD ROSE)	FAC+
RUBUS URSINUS (CALIFORNIA BLACKBERRY)	FACW
SALIX EXIGUA (SANDBAR WILLOW)	OBL
SALIX LASIOLEPIS (ARROYO WILLOW)	FACW
SALIX LUCIDA LASIANDRA (PACIFIC WILLOW)	OBL
TOXICODENDRON DIVERSILOBUM (WESTERN POISON OAK)	FAC b
UMBELLULARIA CALIFORNICA (CALIFORNIA BAYNUT)	FAC

WILDLANDS APN 108-070-09

BOTANICAL NAME (COMMON NAME)	WETLAND INDICATOR STATUS
ACER NEGUNDO (BOXELDER MAPLE)	FAC
ALNUS RHOMBIFOLIA (WHITE ALDER)	FACW
ARTEMESIA DOUGLASIANA (MUGWORT)	FACW
CORNUS GLABRATA (BROWN TWIG DOGWOOD)	FAC
FRAXINUS LATIFOLIA (OREGON ASH)	FACW
PHYSOCARPUS CAPITATUS (PACIFIC NINEBARK)	FACW
POPULUS BALSAMIFERA (BLACK COTTONWOOD)	FAC
QUERCUS LOBATA (VALLEY OAK)	FAC
ROSA CALIFORNICA (CALIFORNIA WILD ROSE)	FAC+
RUBUS URSINUS (CALIFORNIA BLACKBERRY)	FACW
SALIX EXIGUA (SANDBAR WILLOW)	OBL
SALIX LASIOLEPIS (ARROYO WILLOW)	FACW
SALIX LUCIDA LASIANDRA (PACIFIC WILLOW)	OBL
TOXICODENDRON DIVERSILOBUM (WESTERN POISON OAK)	FAC b
UMBELLULARIA CALIFORNICA (CALIFORNIA BAYNUT)	FAC

WETLAND REHABILITATION
TYPE 5

RIPARIAN CORRIDORS
OTHER WATERS (CREDIT)
OTHER WATERS (NO CREDIT)

NO SCALE

PLANT LIST
PL-12

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR LANDSCAPE ARCHITECT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00
DATE PLOTTED => 09-JAN-2012
TIME PLOTTED => 17:59

BORDER LAST REVISED 7/2/2010 | USERNAME => s114430 | DGN FILE => PL_012.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0381 | PROJECT NUMBER & PHASE 01000000051

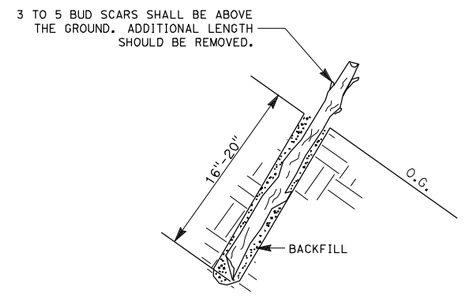
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101			

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

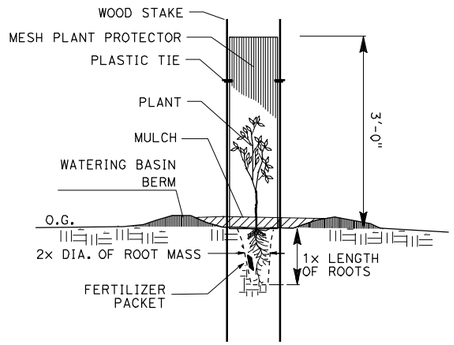
LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



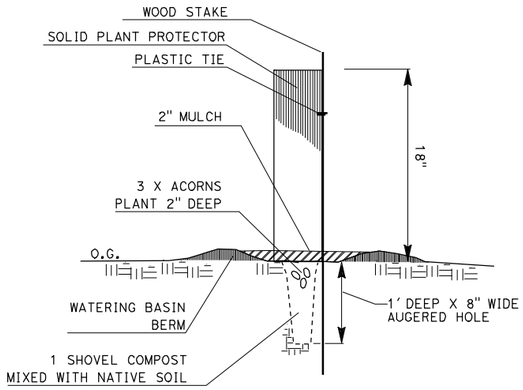
LIVE WILLOW CUTTING PLANTING DETAIL

SECTION



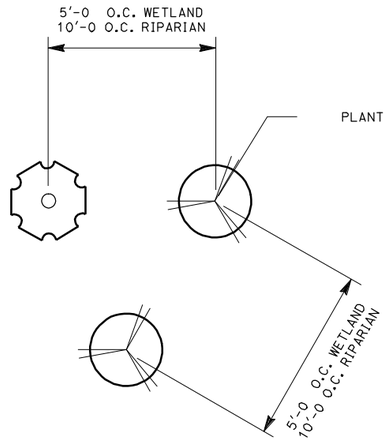
CONTAINERIZED PLANTING DETAIL

SECTION



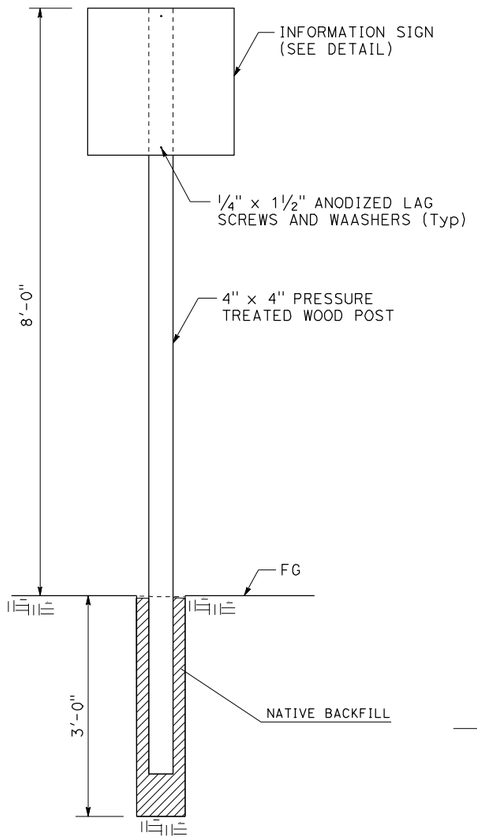
OAK ACORN PLANTING DETAIL

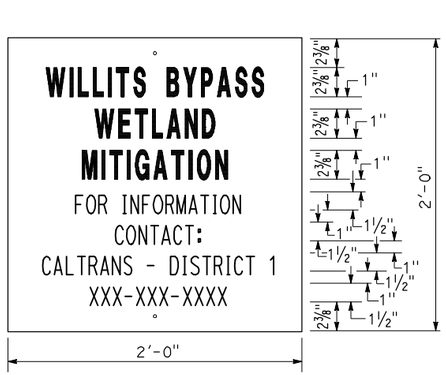
SECTION



CONTAINERIZED PLANT SPACING

PLAN

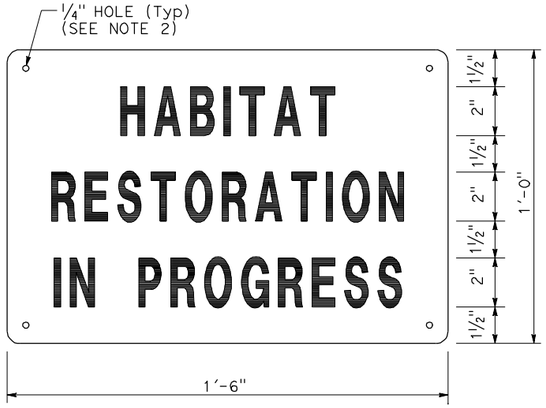




NOTE:

WHITE LETTERS ON BROWN BACKGROUND.

INFORMATION SIGN



NOTES:

1. BLACK LETTERS ON WHITE BACKGROUND.
2. ATTACH SIGN TO BARBED WIRE FENCE USING 11-GAUGE (Min) Galv TIE WIRE OR HIG RING

HABITAT RESTORATION SIGN

PLANTING DETAIL

NO SCALE

PD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 03 - LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT
CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 03-JAN-2012
TIME PLOTTED => 13:08

Appendix F
Haehl and Upp Creek Stream Restoration and Fish Passage Design Plans

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	R69.4/78.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

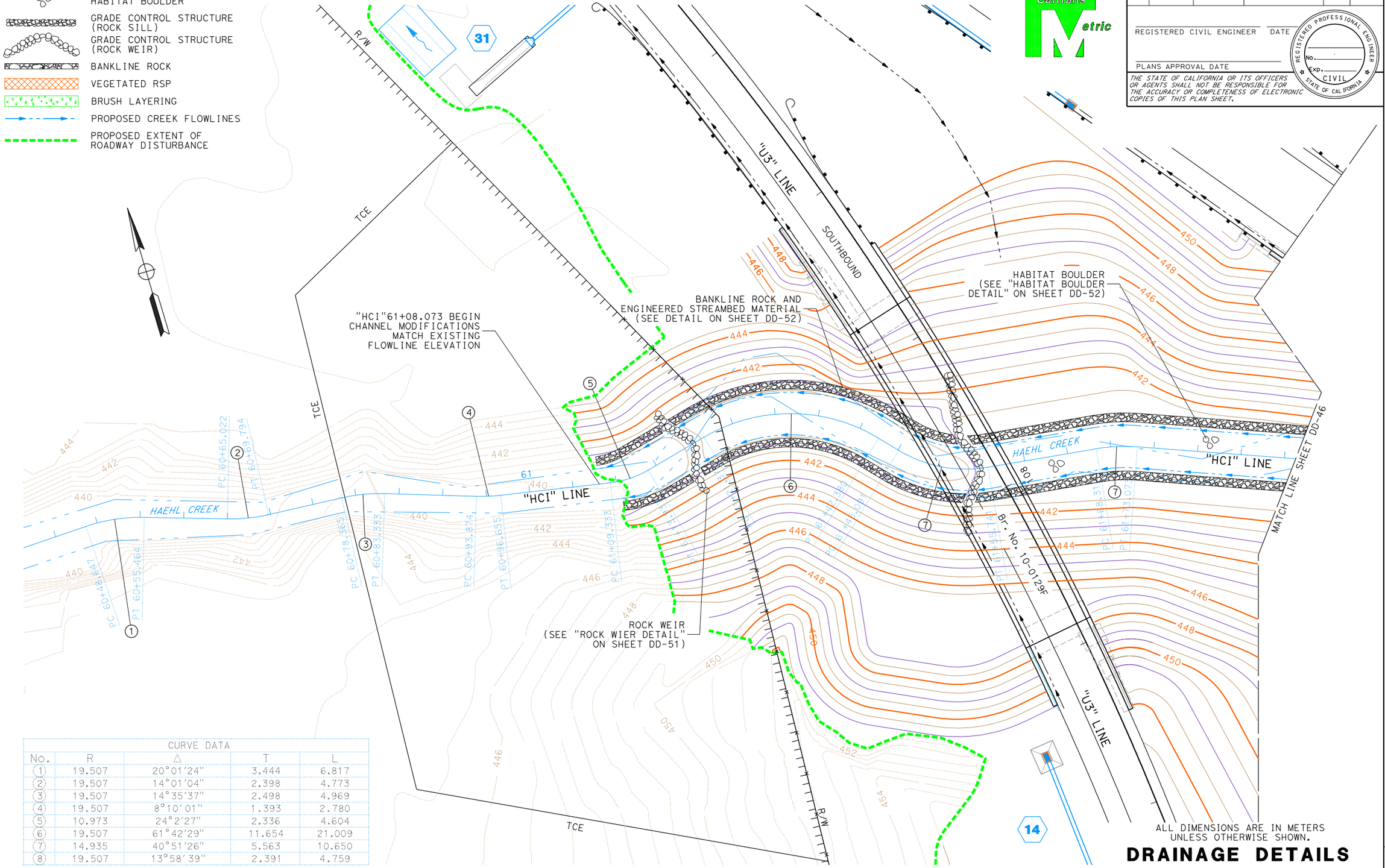
REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

Caltrans Metric

LEGEND

- HABITAT BOULDER
- GRADE CONTROL STRUCTURE (ROCK SILL)
- GRADE CONTROL STRUCTURE (ROCK WEIR)
- BANKLINE ROCK
- VEGETATED RSP
- BRUSH LAYERING
- PROPOSED CREEK FLOWLINES
- PROPOSED EXTENT OF ROADWAY DISTURBANCE



CURVE DATA				
No.	R	Δ	T	L
(1)	19.507	20°01'24"	3.444	6.817
(2)	19.507	14°01'04"	2.398	4.773
(3)	19.507	14°35'37"	2.498	4.969
(4)	19.507	8°10'01"	1.393	2.780
(5)	10.973	24°2'27"	2.336	4.604
(6)	19.507	61°42'29"	11.654	21.009
(7)	14.935	40°51'26"	5.563	10.650
(8)	19.507	13°58'39"	2.391	4.759

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

APPROVED FOR DRAINAGE WORK ONLY.

DRAINAGE DETAILS

NO SCALE

DD-45

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans **03-DESIGN EAST**

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

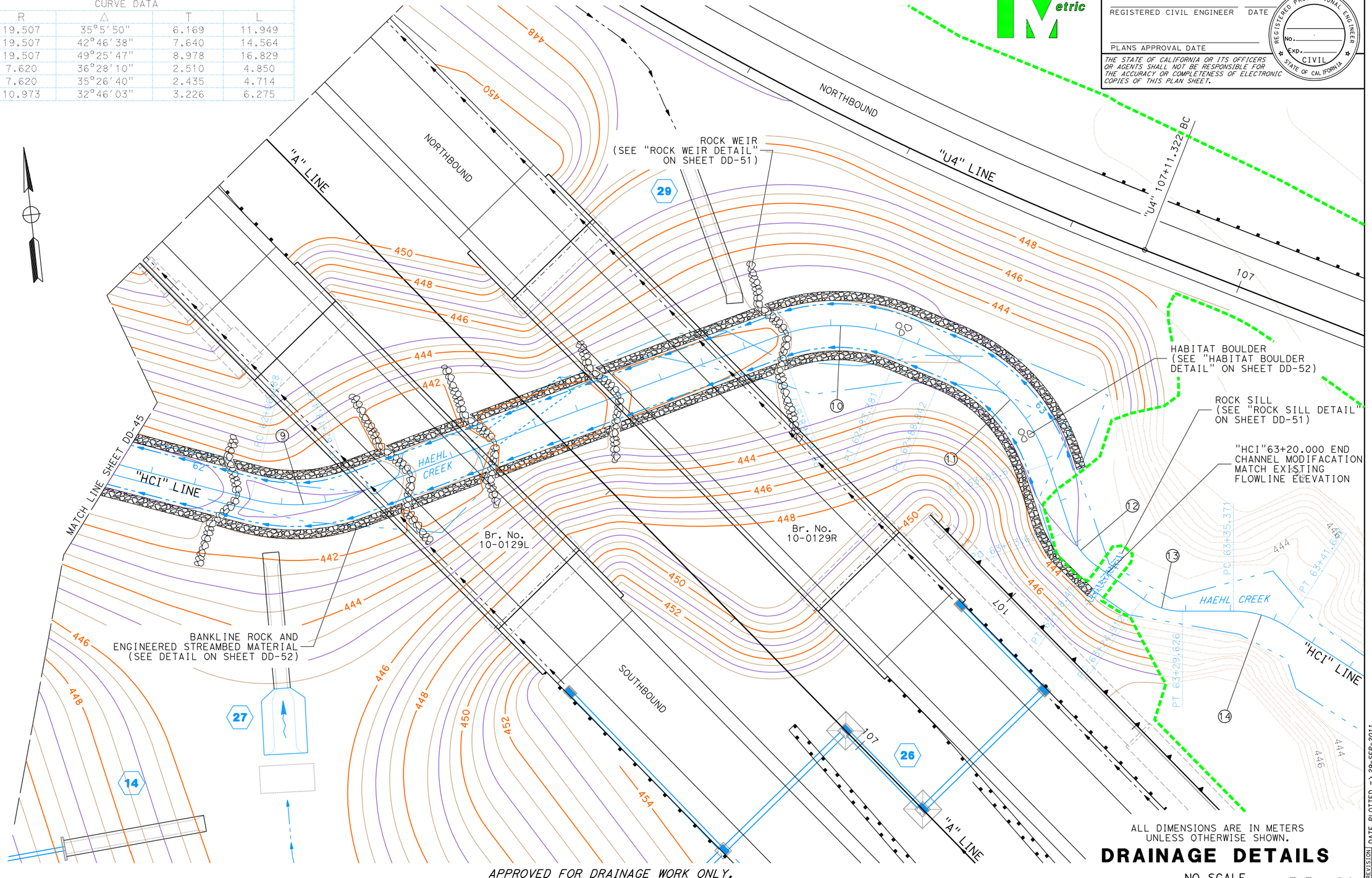
LAST REVISION 9-22-11 | DATE PLOTTED => 29-SEP-2011 | TIME PLOTTED => 12:38

BORDER LAST REVISED 7/2/2010 | USERNAME => s111066 | DGN FILE => zFishPassage45.dgn | RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000051

NOTES:
1. FOR PROPOSED CONTOURS SEE CONTOUR GRADING SHEETS.

CURVE DATA

No.	R	Δ	T	L
(9)	19.507	35°5'50"	6.169	11.949
(10)	19.507	42°46'38"	7.640	14.564
(11)	19.507	49°25'47"	8.978	16.829
(12)	7.620	36°28'10"	2.510	4.850
(13)	7.620	35°26'40"	2.435	4.714
(14)	10.973	32°46'03"	3.226	6.275



ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE SHOWN.

DRAINAGE DETAILS

NO SCALE

DD-46

APPROVED FOR DRAINAGE WORK ONLY.

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	R69.4/78.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. — Exp. — CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

Caltrans Metric

DATE REVISED	REVISED BY

CALCULATED-DESIGNED BY

CHECKED BY

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 03-DESIGN EAST

LAST REVISION 09-23-11
DATE PLOTTED => 29-SEP-2011
TIME PLOTTED => 12:38

NOTE:
1. FOR PROPOSED CONTOURS SEE CONTOUR GRADING SHEETS.

CURVE DATA

No.	R	Δ	T	L
17	14.938	7°44'20"	1.010	2.018
18	14.935	31°27'38"	4.207	8.201
19	14.935	40°01'13"	5.439	10.432
20	19.507	37°59'56"	6.717	12.937
21	19.507	70°00'48"	13.662	23.837
22	10.973	24°20'58"	2.367	4.663
23	10.973	35°07'20"	3.473	6.726
24	19.508	14°46'44"	2.530	5.032

BANKLINE ROCK AND
ENGINEERED STREAMBED MATERIAL
(SEE DETAIL ON SHEET DD-52)

HABITAT BOULDER
(SEE "HABITAT BOULDER DETAIL"
ON SHEET DD-52)

STA 64+81.636 END
CHANNEL MODIFICATIONS
MATCH EXISTING FLOWLINE ELEVATION

ROCK SILL (SEE
"ROCK SILL DETAIL"
ON SHEET DD-48)

STA 64+10.000 BEGIN
CHANNEL MODIFICATIONS
MATCH EXISTING
FLOWLINE ELEVATION

"U4" 105+46.619 BC

"H" 100+93.000 POT
"U4" 105+43.196 POT
"U2" 105+64.185 POT

"H" 101+44.198 POT

PC 64+68.099
PT 64+83.099
PC 65+13.654
PT 65+31.212
PC 65+35.876
PT 65+44.285
PC 65+45.101
PT 65+59.003
PC 65+64.035

NORTHBOUND 106
"HCI" LINE
"U4" LINE
"H" LINE
"U2" LINE
HAEHL CREEK
2140 mm CMP
R/W

APPROVED FOR DRAINAGE WORK ONLY.

ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE SHOWN.

DRAINAGE DETAILS

NO SCALE

DD-47

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	R69.4/78.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

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Caltrans 03-DESIGN EAST

LAST REVISION 09-23-11 | DATE PLOTTED => 29-SEP-2011 | TIME PLOTTED => 12:38

BORDER LAST REVISED 7/2/2010 | USERNAME => s111066 | DGN FILE => zFishPassage47.dgn | RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000051

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

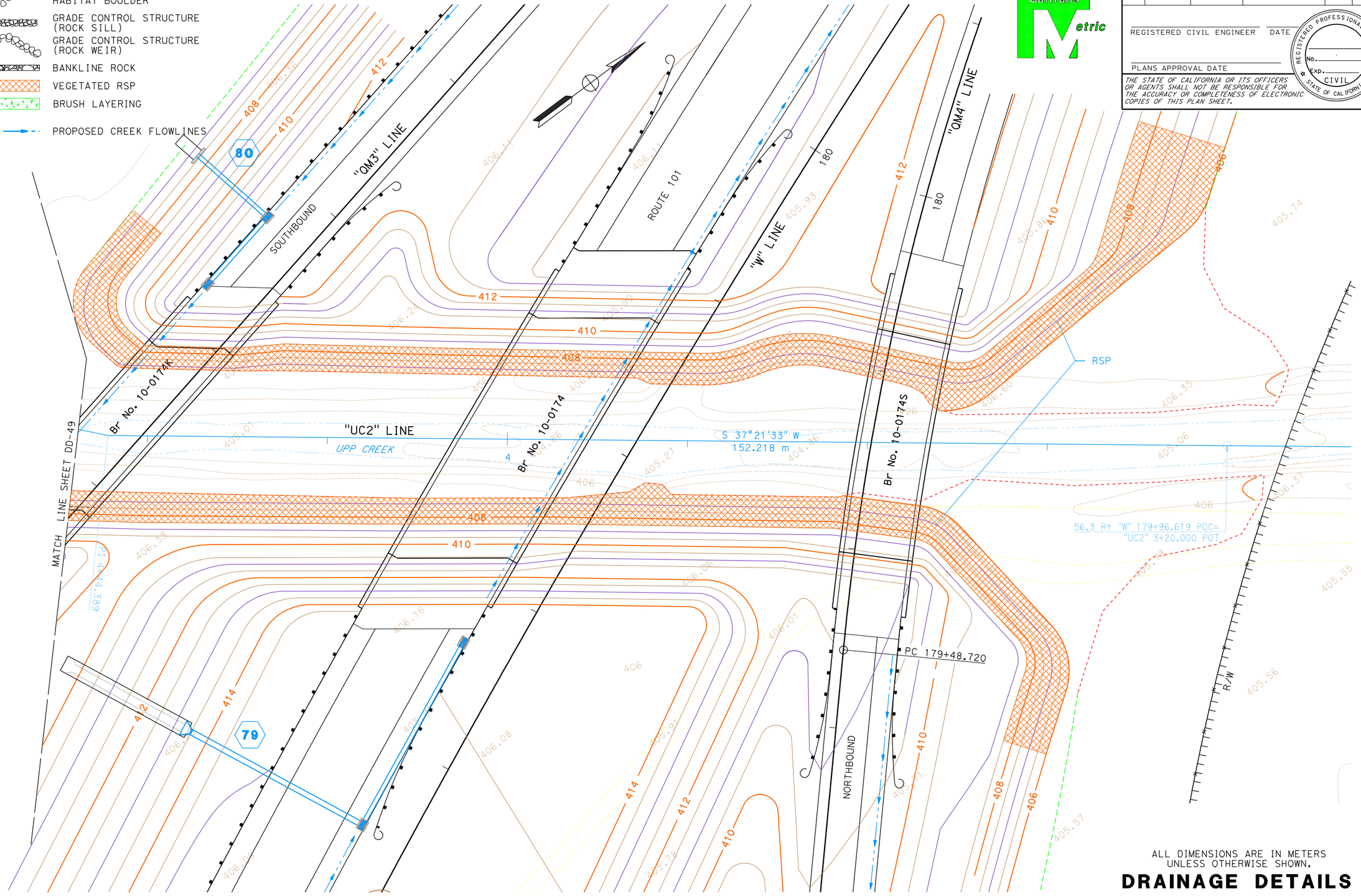
REGISTERED PROFESSIONAL ENGINEER — No. — Exp. — CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

Caltrans Metric

LEGEND

- HABITAT BOULDER
- GRADE CONTROL STRUCTURE (ROCK SILL)
- GRADE CONTROL STRUCTURE (ROCK WEIR)
- BANKLINE ROCK
- VEGETATED RSP
- BRUSH LAYERING
- PROPOSED CREEK FLOWLINES



APPROVED FOR FISH PASSAGE WORK ONLY.

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

DRAINAGE DETAILS

NO SCALE

DD-48

LAST REVISION 09-23-11 | DATE PLOTTED => 29-SEP-2011 | TIME PLOTTED => 12:38

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY

CHECKED BY

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans 03-DESIGN EAST

BORDER LAST REVISED 7/2/2010

USERNAME => s111066
DGN FILE => zFishPassage48.dgn

RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

UNIT 0307

PROJECT NUMBER & PHASE 01000000051

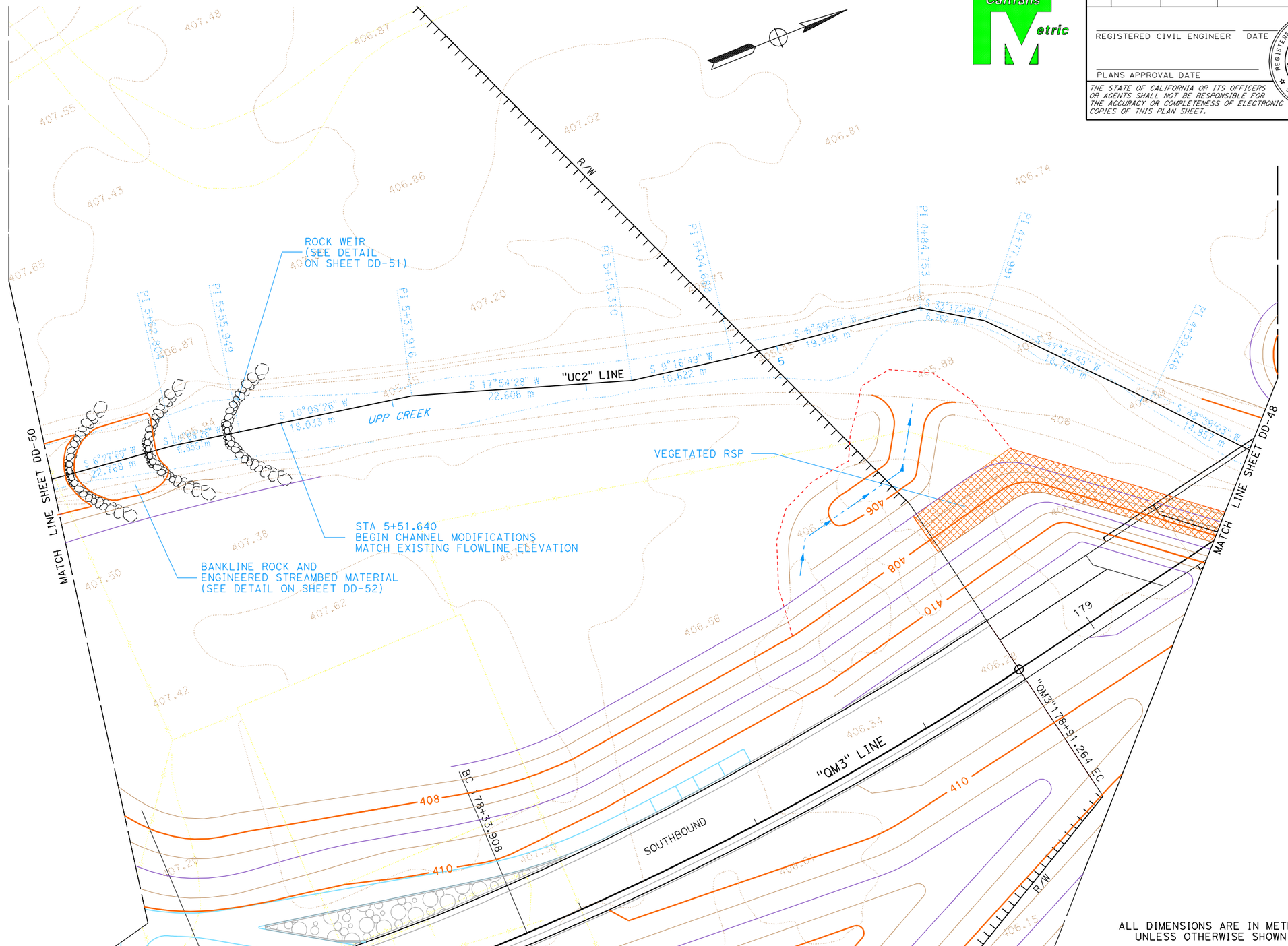
Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	R69.4/78.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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UNLESS OTHERWISE SHOWN.

DRAINAGE DETAILS

NO SCALE

DD-49

LAST REVISION 09-23-11 | DATE PLOTTED => 29-SEP-2011 | TIME PLOTTED => 12:38

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 03-DESIGN EAST

BORDER LAST REVISED 7/2/2010 | USERNAME => s111066 | DGN FILE => zFishPassage49.dgn | RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80 | UNIT 0307 | PROJECT NUMBER & PHASE 01000000051

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

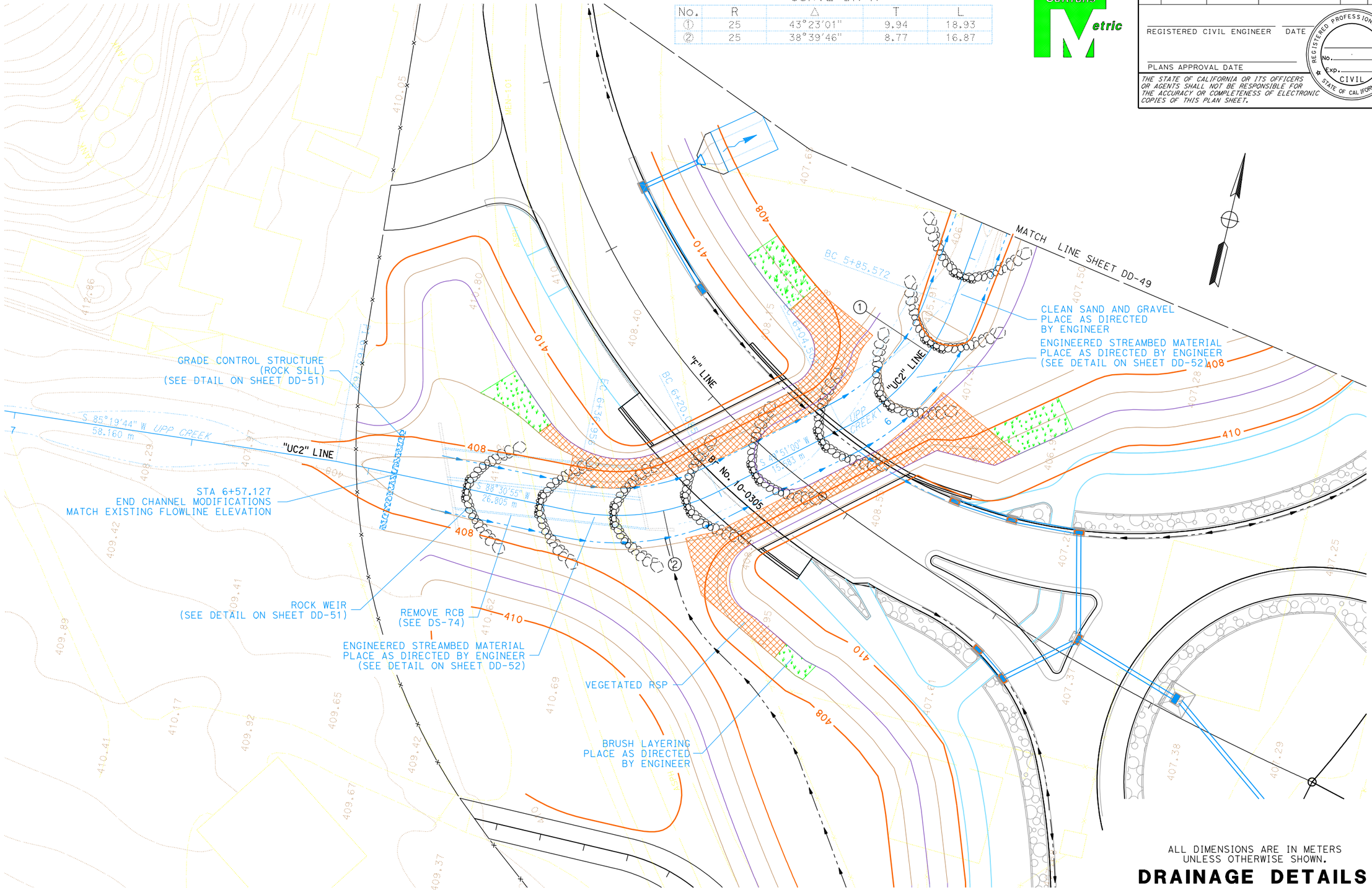
REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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Caltrans Metric

CURVE DATA

No.	R	Δ	T	L
①	25	43°23'01"	9.94	18.93
②	25	38°39'46"	8.77	16.87



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

DRAINAGE DETAILS

NO SCALE

DD-50

REVISED BY	DATE REVISED

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 03-DESIGN EAST

LAST REVISION 09-23-11
DATE PLOTTED => 29-SEP-2011
TIME PLOTTED => 12:38

BORDER LAST REVISED 7/2/2010

USERNAME => s111066
DGN FILE => zFishPassage50.dgn

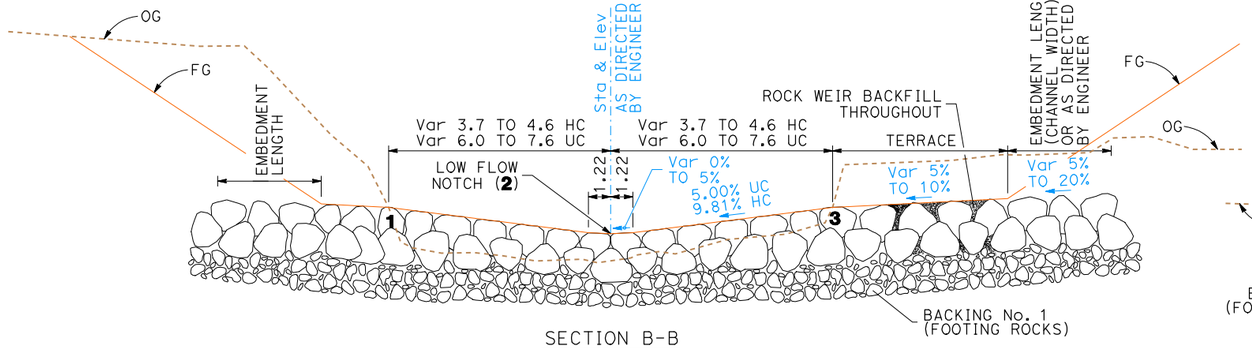
RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

UNIT 0307

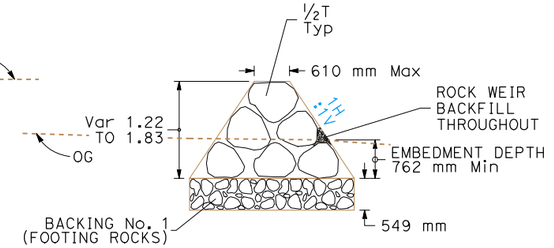
PROJECT NUMBER & PHASE 01000000051

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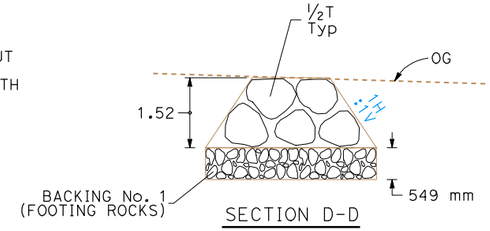
1. ½T ROCKS FOR ROCK WEIR AND ROCK SILLS ARE PLACED INDIVIDUALY, PACKED TIGHTLY TOGETHER, AND HAVE A MINIMUM OF THREE CONTACT POINTS WITH ADJACENT ROCKS.
2. PLACEMENT OF STONES 1, 2 AND 3 ARE TO BE DONE UNDER THE DIRECTION OF THE ENGINEER.



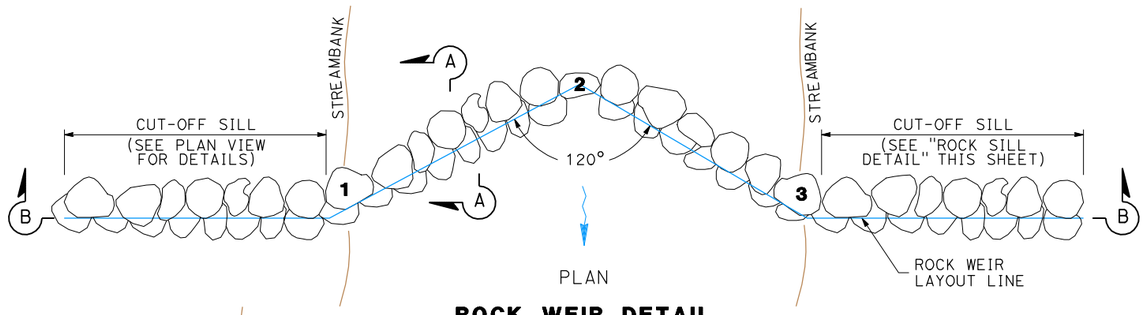
SECTION B-B



SECTION A-A



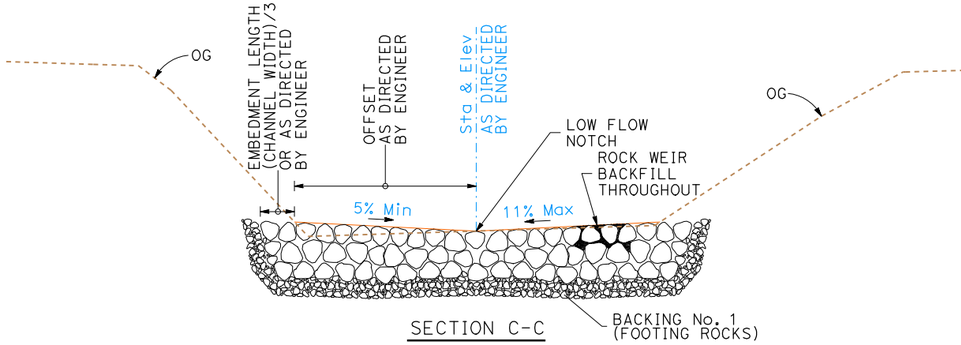
SECTION D-D



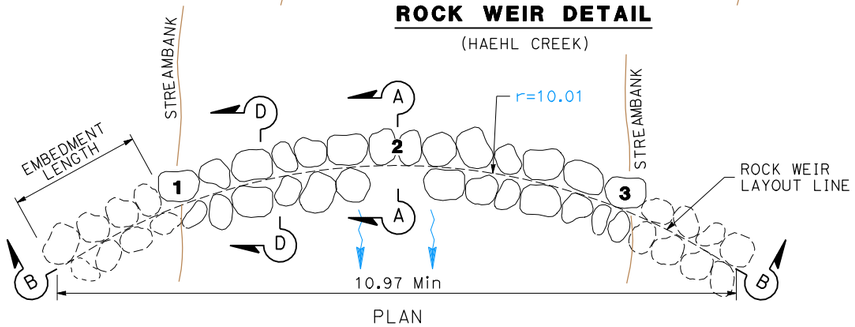
PLAN

ROCK WEIR DETAIL

(HAEHL CREEK)



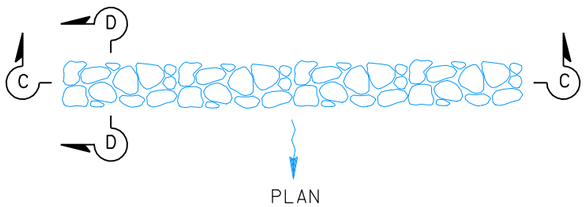
SECTION C-C



PLAN

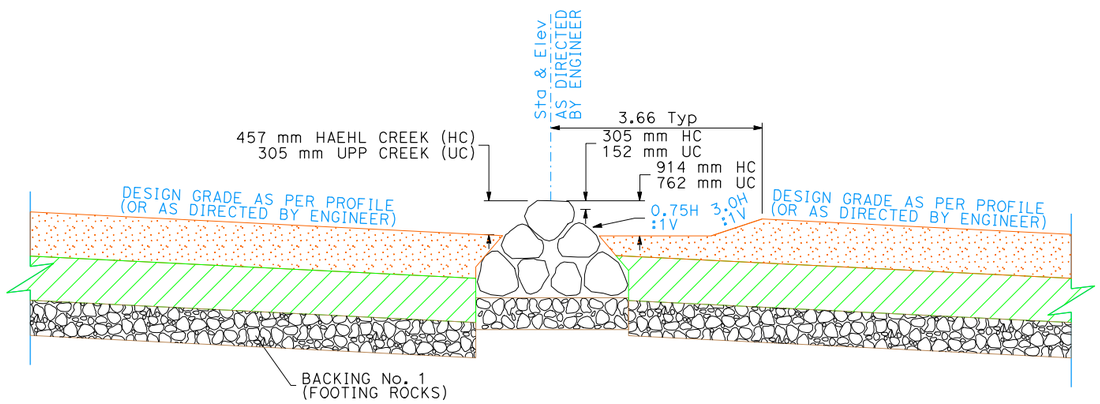
ROCK WEIR DETAIL

(UPP CREEK)



PLAN

ROCK SILL DETAIL



SCOUR POOL DETAIL

APPROVED FOR FISH PASSAGE WORK ONLY.

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

DRAINAGE DETAILS

NO SCALE

DD-51

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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CALCULATED-DESIGNED BY

CHECKED BY

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans 03-DESIGN EAST

LAST REVISION 08-12-11

DATE PLOTTED => 29-SEP-2011

TIME PLOTTED => 12:38

BORDER LAST REVISED 7/2/2010

USERNAME => s111066

DGN FILE => zFishPassage51.dgn

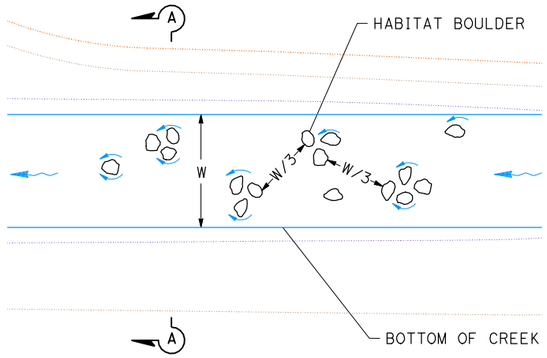
RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

UNIT 0307

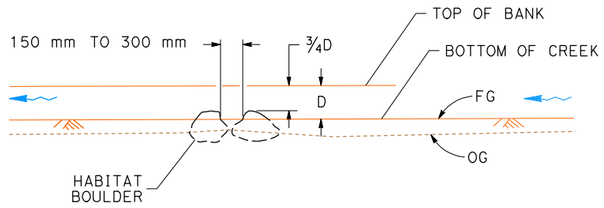
PROJECT NUMBER & PHASE 01000000051

NOTES:

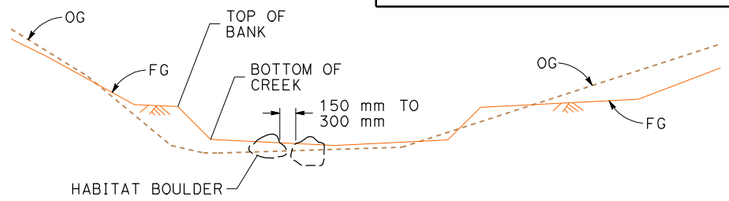
1. PLACEMENT OF HABITAT BOULDERS ARE TO BE DONE UNDER THE DIRECTION OF THE ENGINEER.
2. SUCCESSIVE DOWNSTREAM BOULDER SHOULD BE PLACED AT THE PERIPHERY OF THE WAKE OF UPSTREAM BOULDERS.



PLAN

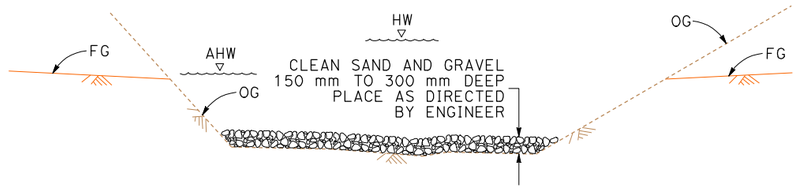


PROFILE

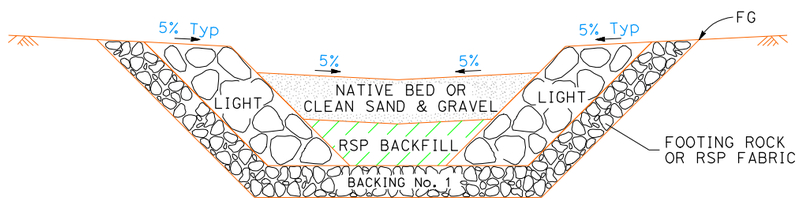


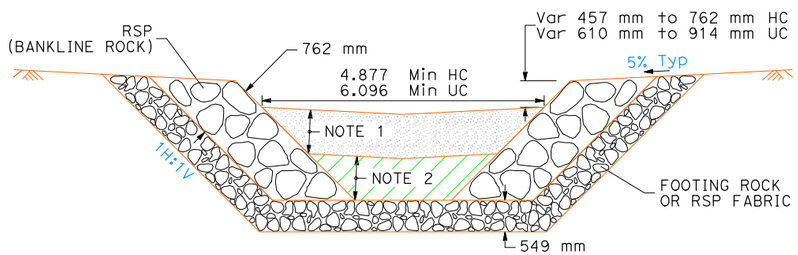
SECTION A-A

HABITAT BOULDER



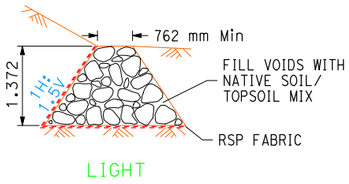
PLACING CLEAN SAND & GRAVEL IN EXISTING STREAMBED





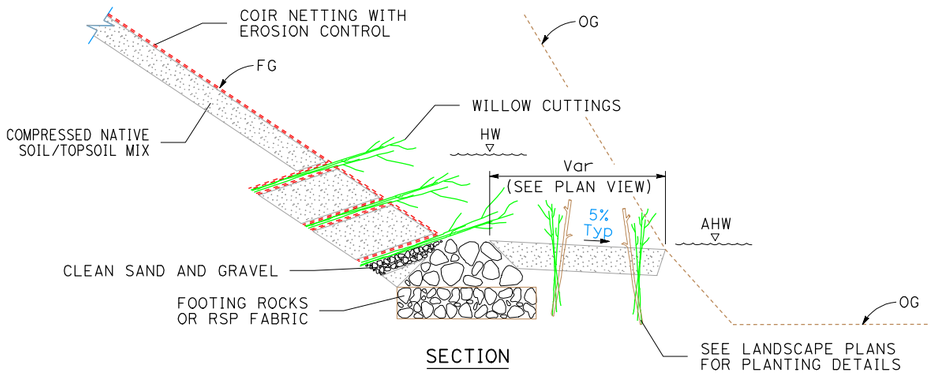
NOTES
1. FOR HAEHL CREEK 762 mm, UPP CREEK 762 mm.
2. FOR HAEHL CREEK 762 mm, UPP CREEK 762 mm.

TYPICAL BANKLINE ROCK & ENGINEERED STREAMBED MATERIAL



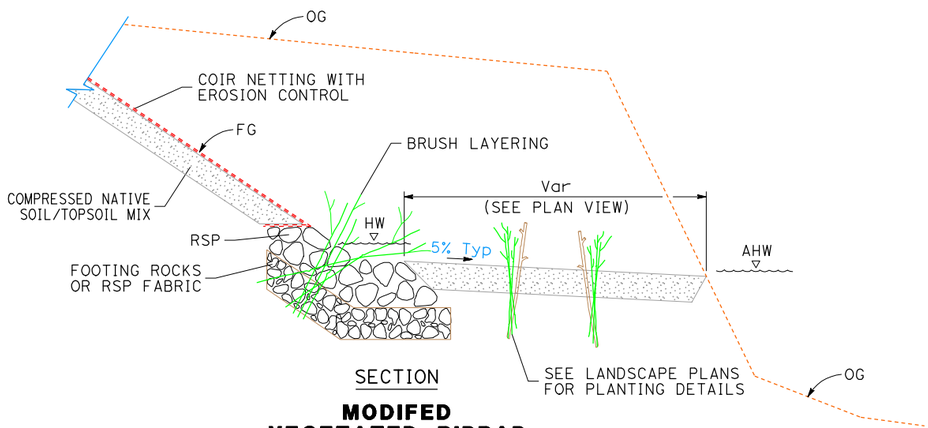
SECTION

LONGITUDINAL STONE TOE DETAIL



SECTION

MODIFED LONGITUDINAL STONE TOE WITH BRUSH LAYERING



SECTION

MODIFED VEGETATED RIPRAP

APPROVED FOR FISH PASSAGE WORK ONLY.

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

DRAINAGE DETAILS

NO SCALE

DD-52

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 03-DESIGN EAST

LAST REVISION 08-12-11 | DATE PLOTTED => 29-SEP-2011 | TIME PLOTTED => 12:38

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	R69.4/78.9		

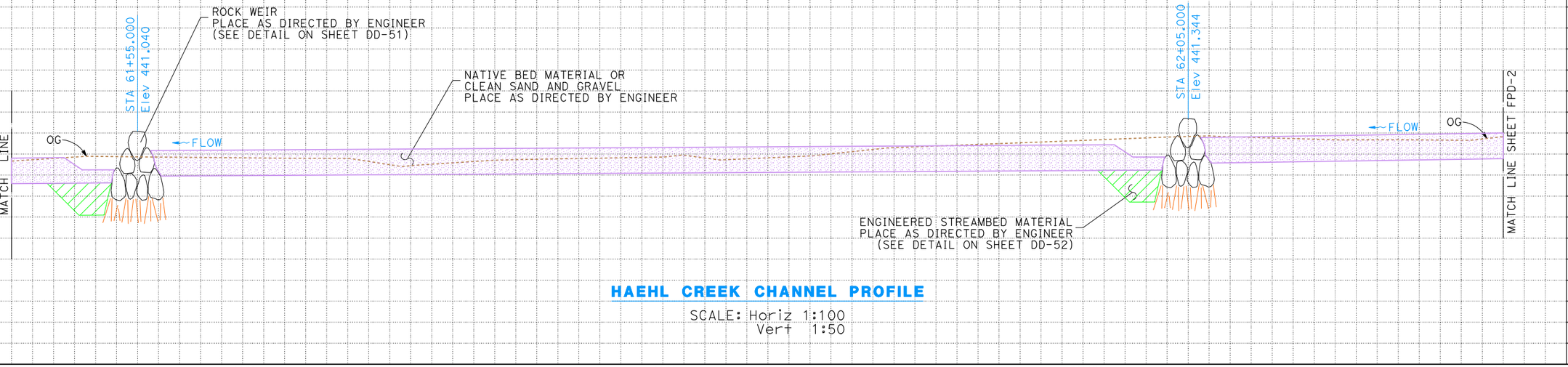
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

Caltrans Metric

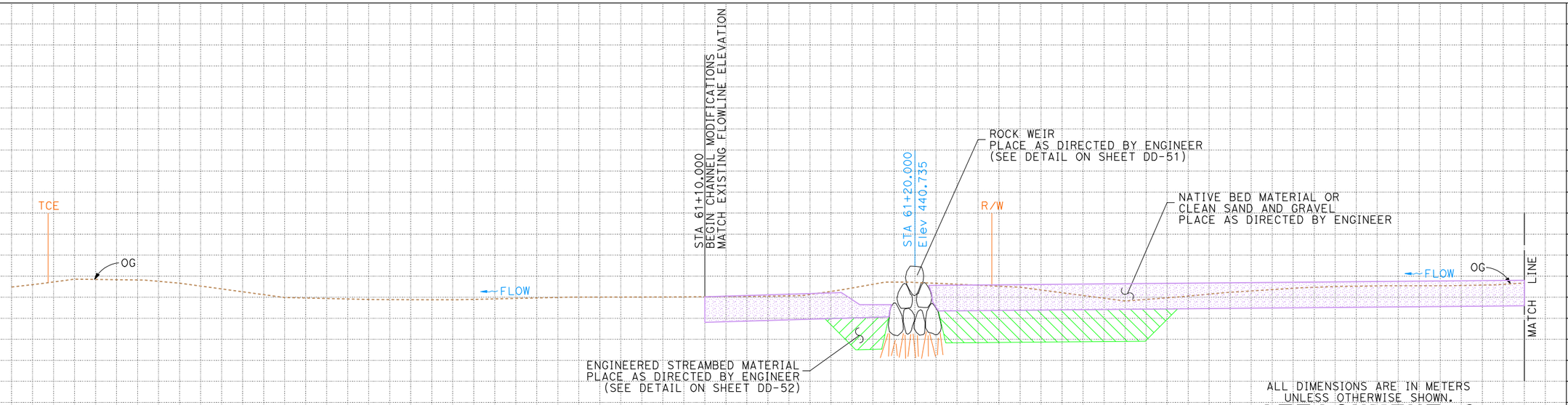


HAEHL CREEK CHANNEL PROFILE

SCALE: Horiz 1:100
Vert 1:50

Station: +60 | +80 | 62+00 | +20

m³ Exc / Emb



HAEHL CREEK CHANNEL PROFILE

SCALE: Horiz 1:100
Vert 1:50

Station: +80 | 61+00 | +20 | +40

m³ Exc / Emb

ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE SHOWN.

ATTACHMENT 3
HEAHL CREEK INTERCHANGE FISH PASSAGE PROFILE

FPD-01

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 03-DESIGN EAST

LAST REVISION 09-27-11
DATE PLOTTED => 29-SEP-2011
TIME PLOTTED => 12:39

BORDER LAST REVISED 3/1/2007 | RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80 | USERNAME => s111066 DGN FILE => zFishPassage53.dgn | CU 03221 | EA 262001

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	R69.4/78.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

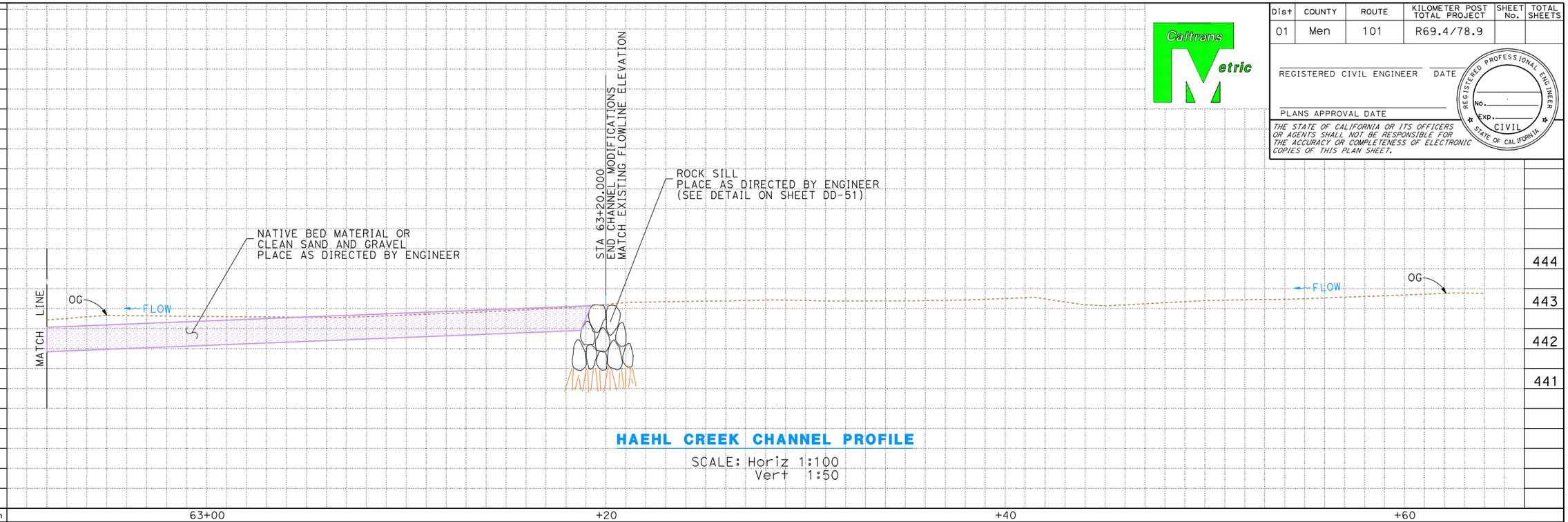
Caltrans Metric

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

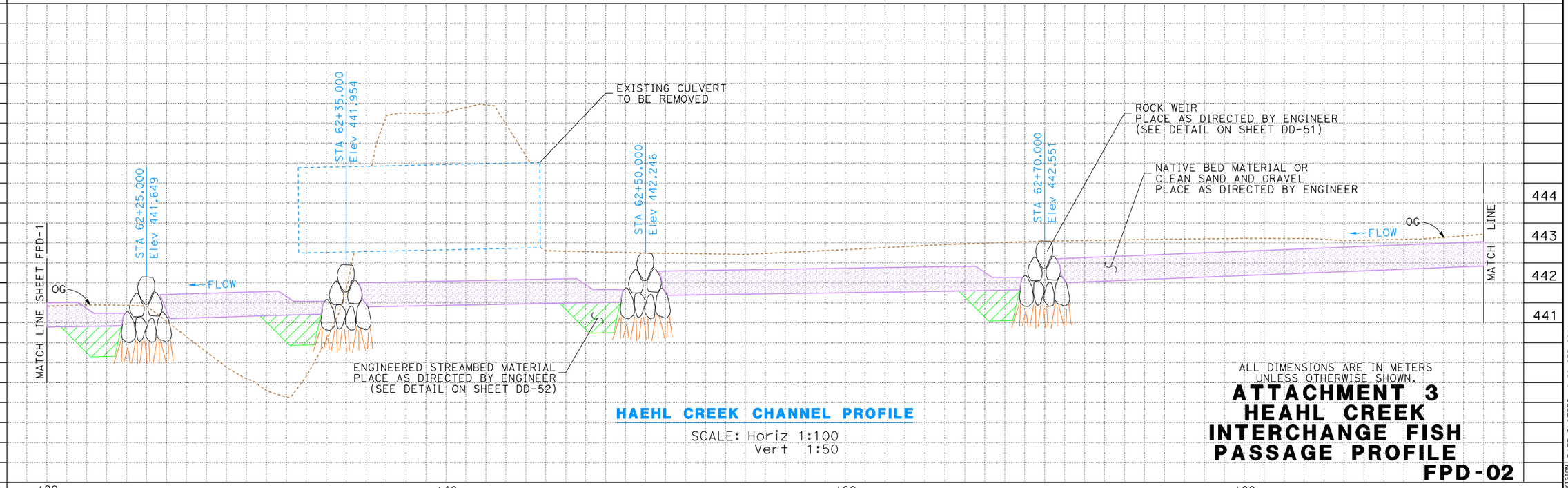
FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 03-DESIGN EAST



HAEHL CREEK CHANNEL PROFILE

SCALE: Horiz 1:100
Vert 1:50



HAEHL CREEK CHANNEL PROFILE

SCALE: Horiz 1:100
Vert 1:50

ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE SHOWN.

ATTACHMENT 3
HEAHL CREEK INTERCHANGE FISH PASSAGE PROFILE
FPD-02

LAST REVISION 09-27-11
DATE PLOTTED => 29-SEP-2011
TIME PLOTTED => 12:39

BORDER LAST REVISED 3/1/2007

RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => s111066
DGN FILE => zFishPassage54.dgn

CU 03221

EA 262001

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	R69.4/78.9		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

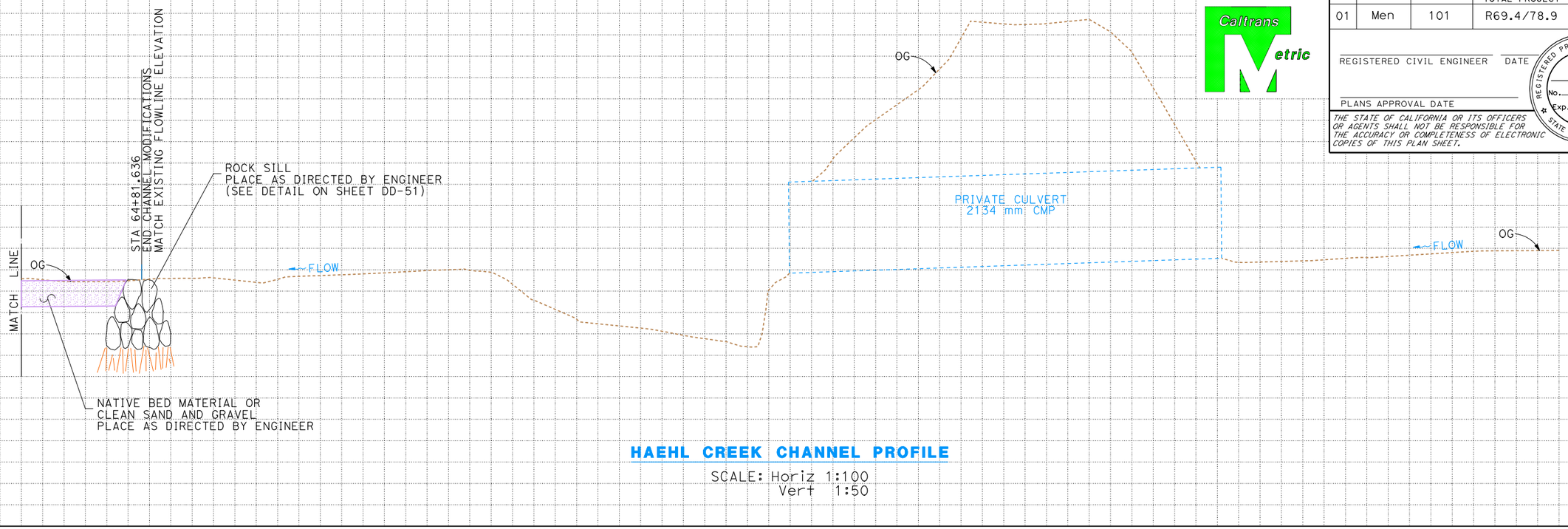
Caltrans Metric

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

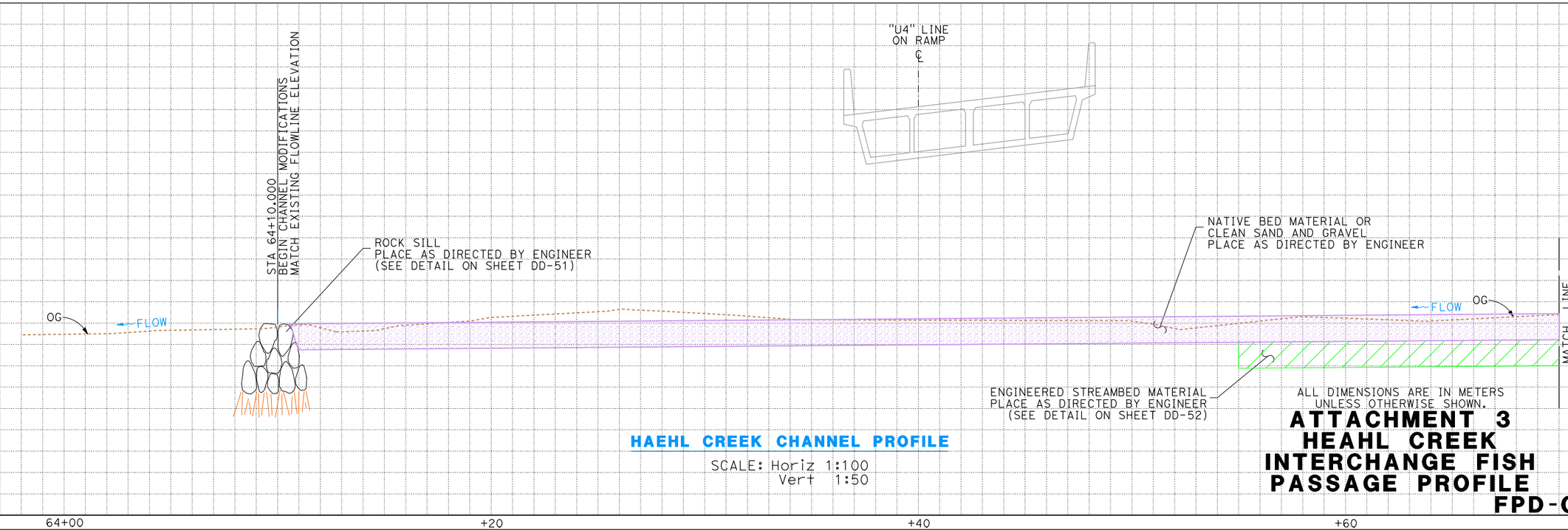
FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 03-DESIGN EAST



HAEHL CREEK CHANNEL PROFILE

SCALE: Horiz 1:100
Vert 1:50



HAEHL CREEK CHANNEL PROFILE

SCALE: Horiz 1:100
Vert 1:50

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

ATTACHMENT 3
HEAHL CREEK INTERCHANGE FISH PASSAGE PROFILE
FPD-03

LAST REVISION 09-27-11 | DATE PLOTTED => 29-SEP-2011 | TIME PLOTTED => 12:39

BORDER LAST REVISED 3/1/2007

RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => s111066
DGN FILE => zFishPassage55.dgn

CU 03221

EA 262001

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	R69.4/78.9		

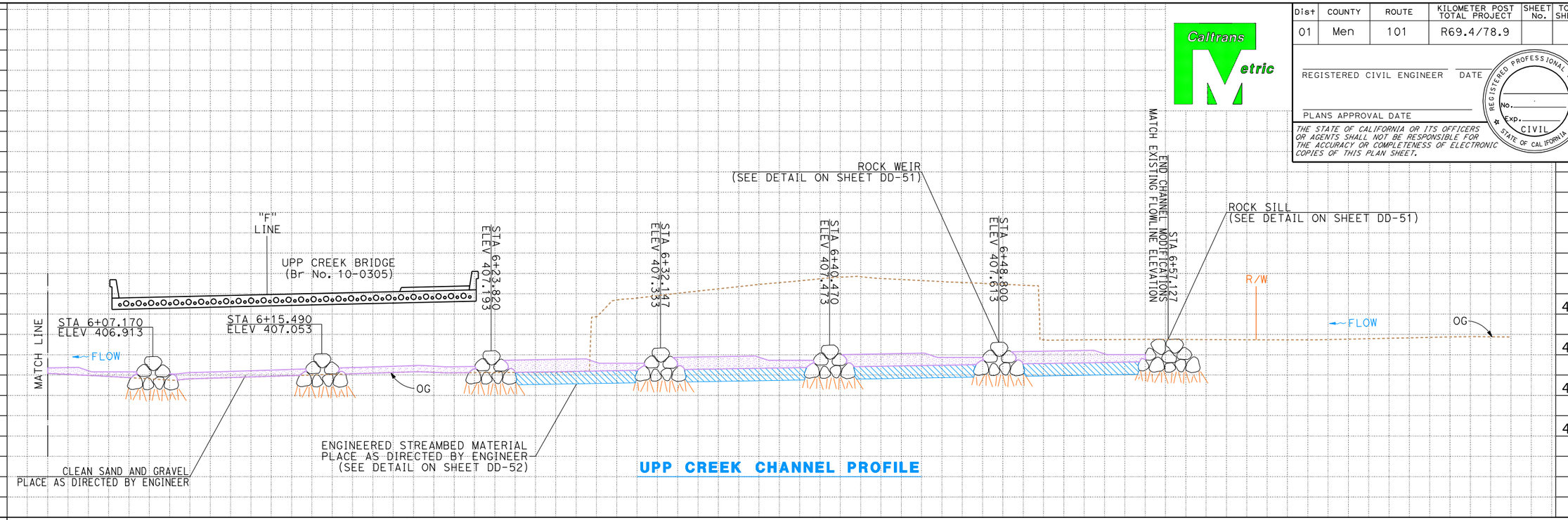
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

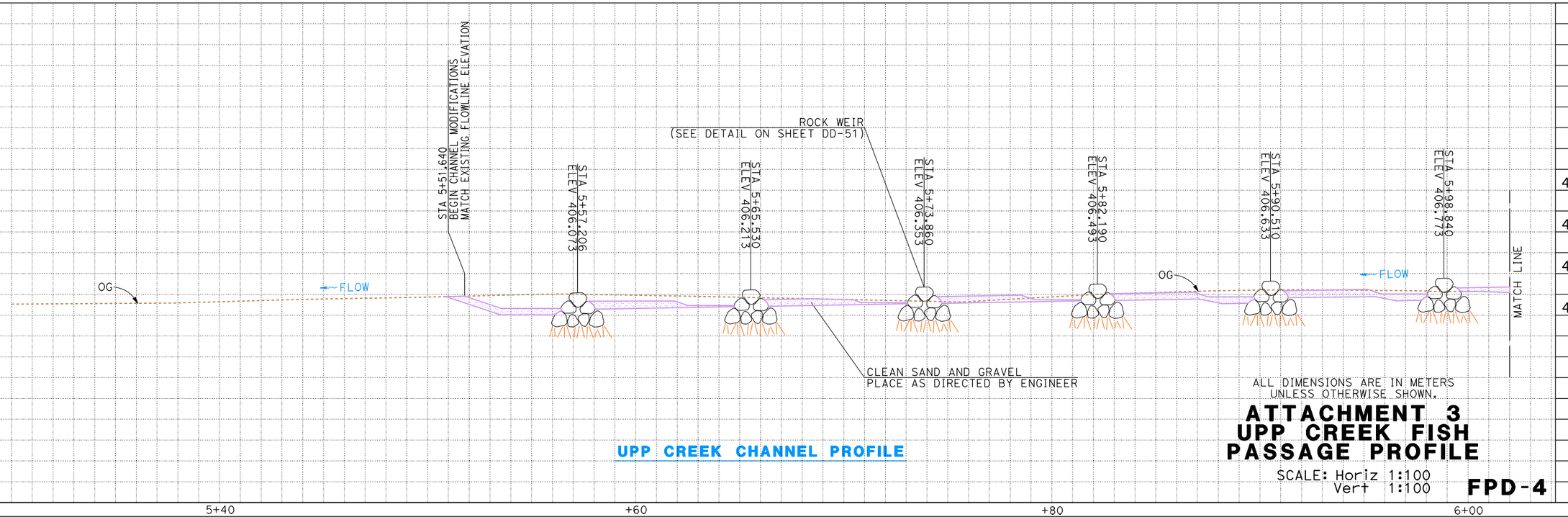
REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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Caltrans Metric



UPP CREEK CHANNEL PROFILE



UPP CREEK CHANNEL PROFILE

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

ATTACHMENT 3
UPP CREEK FISH PASSAGE PROFILE

SCALE: Horiz 1:100
Vert 1:100

FPD-4

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: DOUGLAS S. JONES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 03-DESIGN EAST

LAST REVISION 09-27-11 | DATE PLOTTED => 29-SEP-2011 | TIME PLOTTED => 12:39

BORDER LAST REVISED 3/1/2007

RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => s111066
DGN FILE => zFishPassage56.dgn

CU 03221

EA 262001

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	R69.4/R78.9		

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

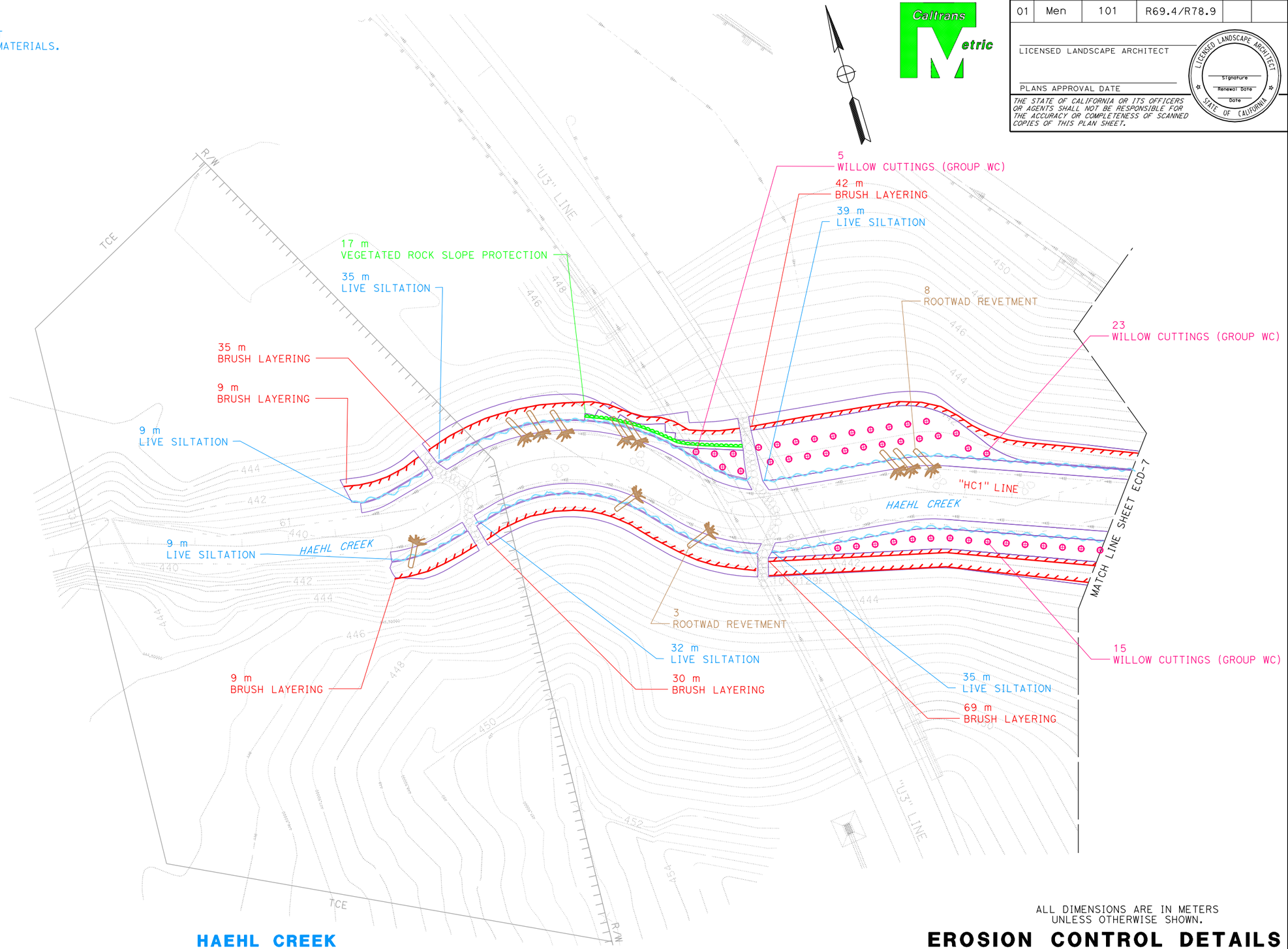
Caltrans Metric

NOTE:

1) SEE EC SHEETS FOR PLACEMENT LOCATIONS OF EROSION CONTROL MATERIALS.

LEGEND:

- WILLOW CUTTINGS (PLANT GROUP WC)
- VEGETATED ROCK SLOPE PROTECTION
- LIVE SILTATION
- BRUSH LAYERING
- ROOTWAD REVETMENT



HAEHL CREEK

THIS SHEET ACCURATE FOR PLANT (TYPE WC) WORK ONLY.

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

EROSION CONTROL DETAILS

NO SCALE

ECD-7

LAST REVISION 00-00-00 | DATE PLOTTED => 29-SEP-2011 | TIME PLOTTED => 12:39

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

SENIOR LANDSCAPE ARCHITECT T. CHRIS JOHNSON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 03-LANDSCAPE ARCHITECTURE

BORDER LAST REVISED 3/1/2007 | RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80 | USERNAME => s111066 | DGN FILE => zFishPassage57.dgn | CU 0381 | EA 262001

NOTE:

1) SEE EC SHEETS FOR PLACEMENT LOCATIONS OF EROSION CONTROL MATERIALS.

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	R69.4/R78.9		

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

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Caltrans Metric

10 m
VEGETATED ROCK SLOPE PROTECTION
9
WILLOW CUTTINGS (GROUP WC)
8 m
LIVE SILTATION

15 m
VEGETATED ROCK SLOPE PROTECTION
9
WILLOW CUTTINGS (GROUP WC)
13 m
LIVE SILTATION

28 m
BRUSH LAYERING
19 m
VEGETATED ROCK SLOPE PROTECTION
19 m
LIVE SILTATION
10
WILLOW CUTTINGS (GROUP WC)

58 m
BRUSH LAYERING
45 m
LIVE SILTATION
35
WILLOW CUTTINGS (GROUP WC)
12
ROOTWAD REVETMENT

6
WILLOW CUTTINGS (GROUP WC)
24 m
BRUSH LAYERING
15 m
VEGETATED ROCK SLOPE PROTECTION

9 m
BRUSH LAYERING
10 m
LIVE SILTATION

MATCH LINE SHEET ECD-6

16 m
LIVE SILTATION

"A" LINE
"HC1" LINE
"U4" LINE
HAEHL CREEK

15
WILLOW CUTTINGS (GROUP WC)
18 m
LIVE SILTATION
19 m
BRUSH LAYERING
31 m
BRUSH LAYERING
47 m
LIVE SILTATION

4
WILLOW CUTTINGS (GROUP WC)
13 m
LIVE SILTATION
13 m
VEGETATED ROCK SLOPE PROTECTION

4
WILLOW CUTTINGS (GROUP WC)
8 m
LIVE SILTATION
8 m
BRUSH LAYERING

20
WILLOW CUTTINGS (GROUP WC)
3 m
VEGETATED ROCK SLOPE PROTECTION
5 m
VEGETATED ROCK SLOPE PROTECTION

6
ROOTWAD REVETMENT
13
WILLOW CUTTINGS (GROUP WC)
21 m
LIVE SILTATION
48 m
BRUSH LAYERING

6
WILLOW CUTTINGS (GROUP WC)
12 m
LIVE SILTATION
26 m
BRUSH LAYERING

HAEHL CREEK

THIS SHEET ACCURATE FOR PLANT (TYPE WC) WORK ONLY.

ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE SHOWN.

EROSION CONTROL DETAILS

NO SCALE

ECD-8

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY

CHECKED BY

SENIOR LANDSCAPE ARCHITECT

T. CHRIS JOHNSON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans 03-LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00
DATE PLOTTED => 29-SEP-2011
TIME PLOTTED => 12:39

BORDER LAST REVISED 3/1/2007

RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => s111066
DGN FILE => zFishPassage58.dgn

CU 0381

EA 262001

NOTE:

1) SEE EC SHEETS FOR PLACEMENT LOCATIONS OF EROSION CONTROL MATERIALS.

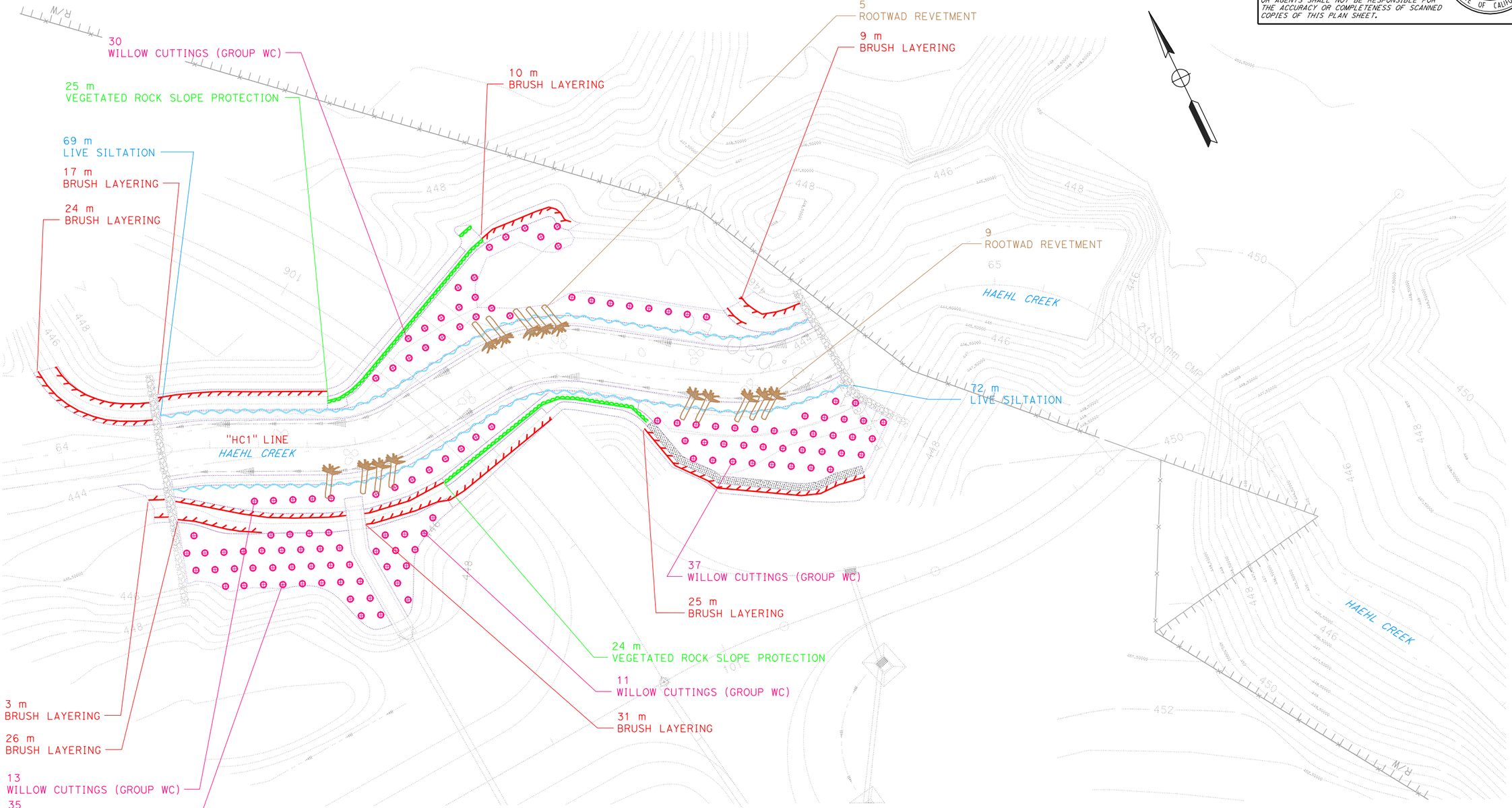
Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	R69.4/R78.9		

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

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HAEHL CREEK

THIS SHEET ACCURATE FOR PLANT (TYPE WC) WORK ONLY.

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

EROSION CONTROL DETAILS

NO SCALE

ECD-9

REVISED BY | DATE REVISED

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CHECKED BY

SENIOR LANDSCAPE ARCHITECT

T. CHRIS JOHNSON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans 03-LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00 | DATE PLOTTED => 29-SEP-2011 | TIME PLOTTED => 12:39

BORDER LAST REVISED 3/1/2007

RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => s111066
DGN FILE => zFishPassage59.dgn

CU 0381

EA 262001

NOTE:

1) SEE EC SHEETS FOR PLACEMENT LOCATIONS OF EROSION CONTROL MATERIALS.

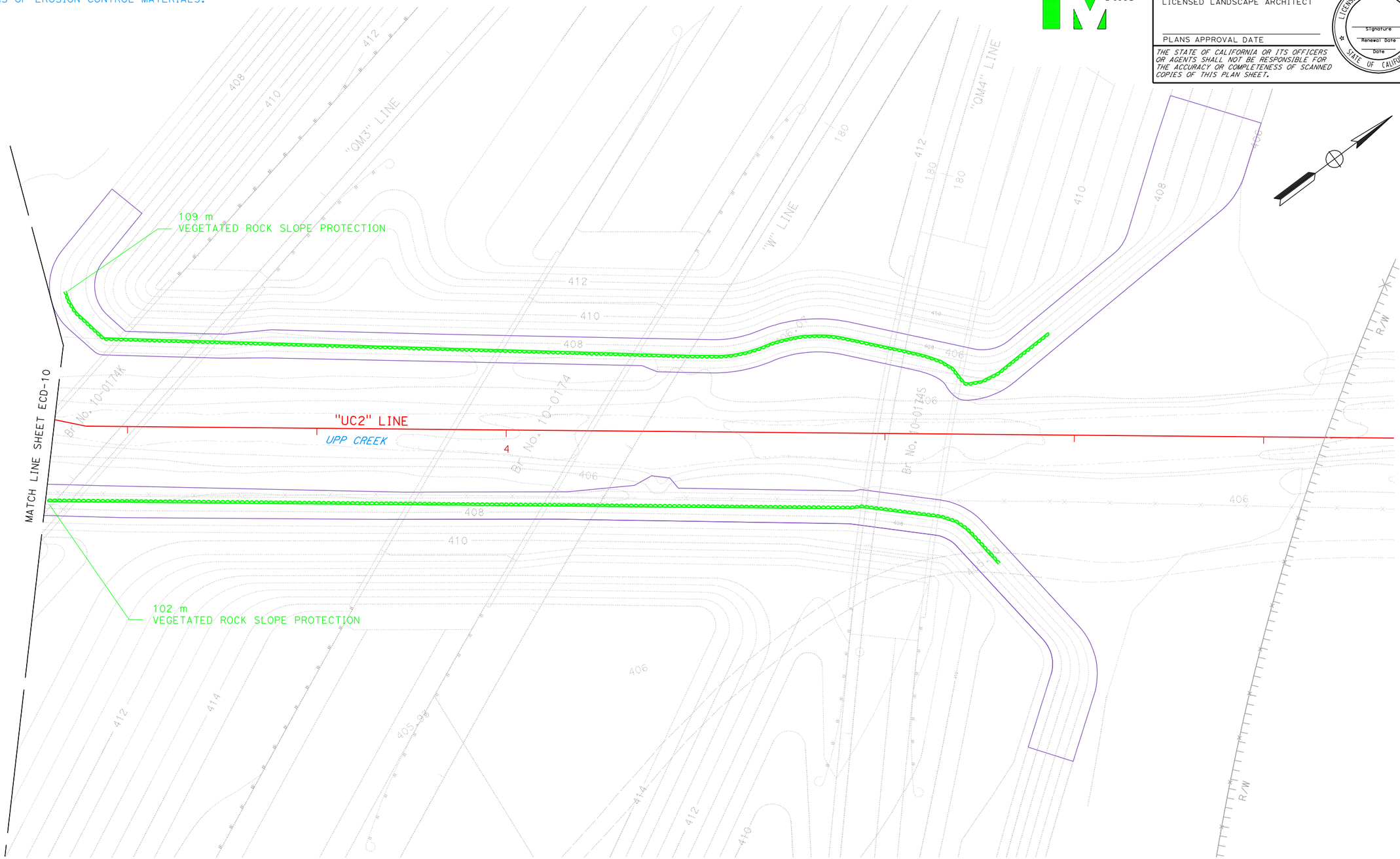
Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	R69.4/R78.9		

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

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UPP CREEK

THIS SHEET ACCURATE FOR PLANT (TYPE WC) WORK ONLY.

EROSION CONTROL DETAILS

NO SCALE

ECD-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 03-LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: T. CHRIS JOHNSON

CALCULATED-DESIGNED BY

CHECKED BY

REVISED BY	DATE REVISED

LAST REVISION: 00-00-00
DATE PLOTTED => 29-SEP-2011
TIME PLOTTED => 12:39

BORDER LAST REVISED 3/1/2007

RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => s111066
DGN FILE => zFishPassage60.dgn

CU 0381

EA 262001

NOTE:

1) SEE EC SHEETS FOR PLACEMENT LOCATIONS OF EROSION CONTROL MATERIALS.

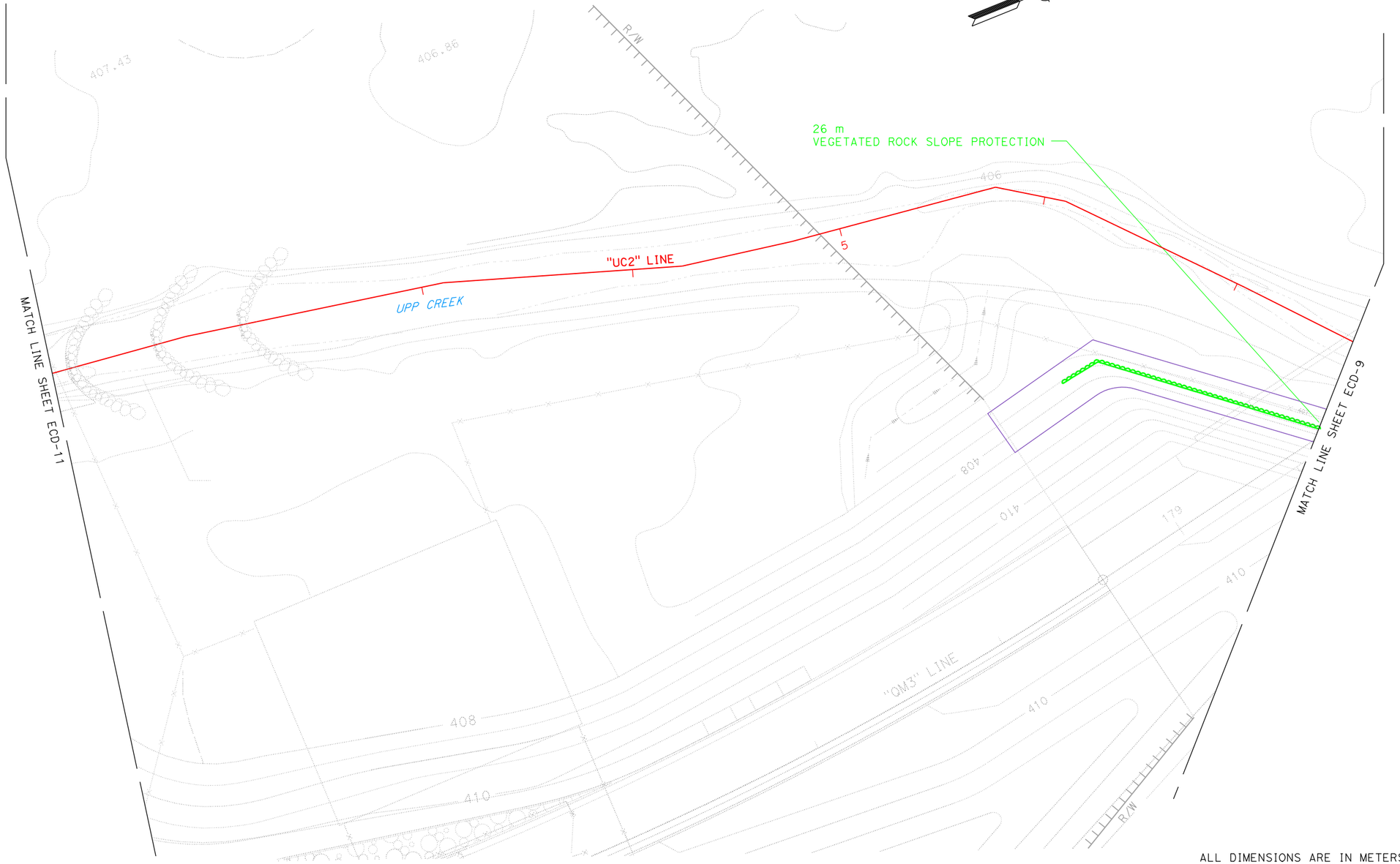
Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	R69.4/R78.9		

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

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UPP CREEK

THIS SHEET ACCURATE FOR PLANT (TYPE WC) WORK ONLY.

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

EROSION CONTROL DETAILS

NO SCALE

ECD-11

LAST REVISION 00-00-00 | DATE PLOTTED => 29-SEP-2011 | TIME PLOTTED => 12:39

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

SENIOR LANDSCAPE ARCHITECT: T. CHRIS JOHNSON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans 03-LANDSCAPE ARCHITECTURE

BORDER LAST REVISED 3/1/2007 | RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80 | USERNAME => s111066 | DGN FILE => zFishPassage61.dgn | CU 0381 | EA 262001

NOTE:

1) SEE EC SHEETS FOR PLACEMENT LOCATIONS OF EROSION CONTROL MATERIALS.

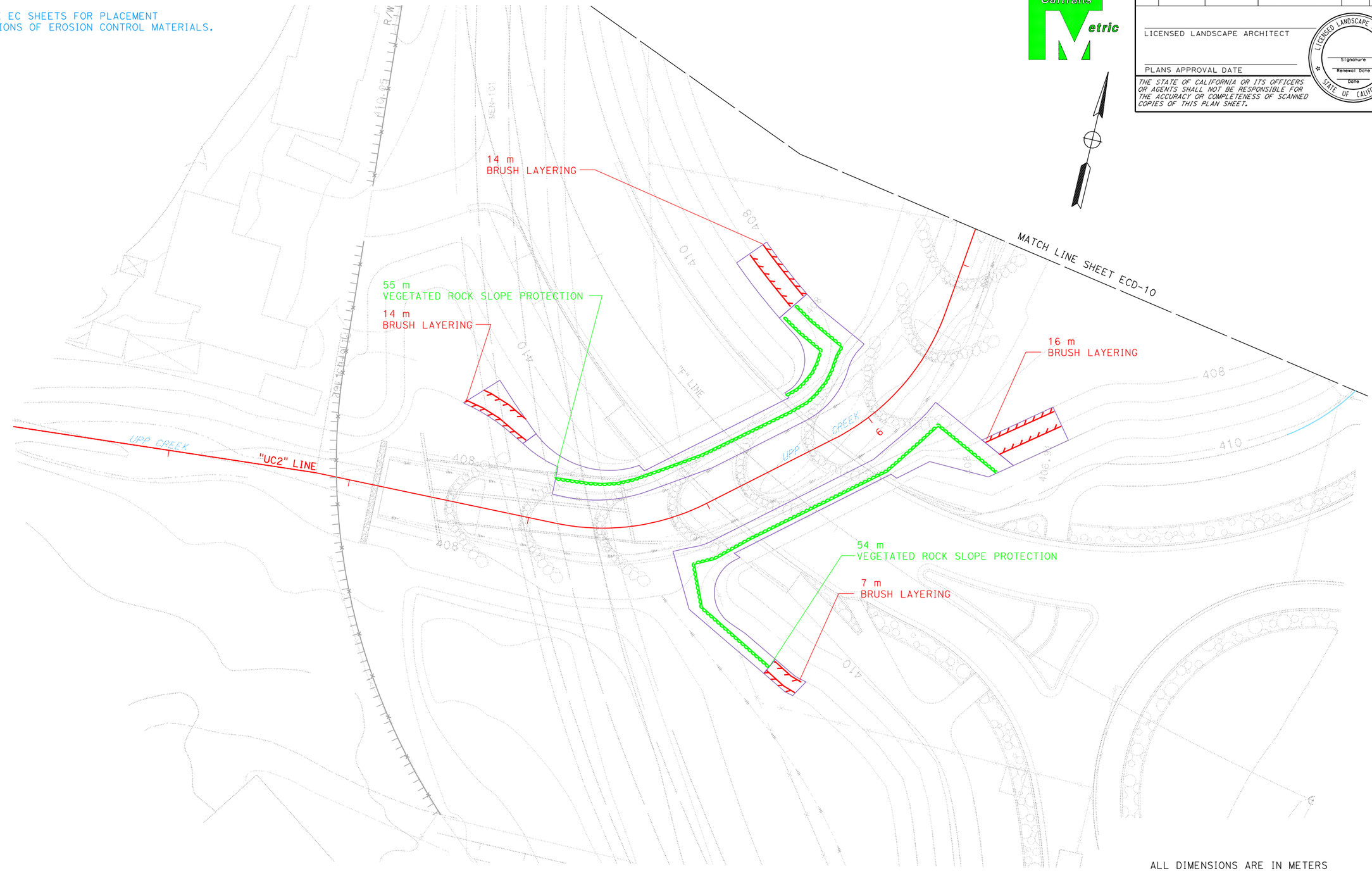
Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	R69.4/R78.9		

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA



UPP CREEK

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EROSION CONTROL DETAILS

NO SCALE

ECD-12

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

SENIOR LANDSCAPE ARCHITECT — T. CHRIS JOHNSON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans 03-LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00 | DATE PLOTTED => 29-SEP-2011 | TIME PLOTTED => 12:39

BORDER LAST REVISED 3/1/2007 | RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80 | USERNAME => s111066 | DGN FILE => zFishPassage62.dgn | CU 0381 | EA 262001

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	R69.4/R78.9		

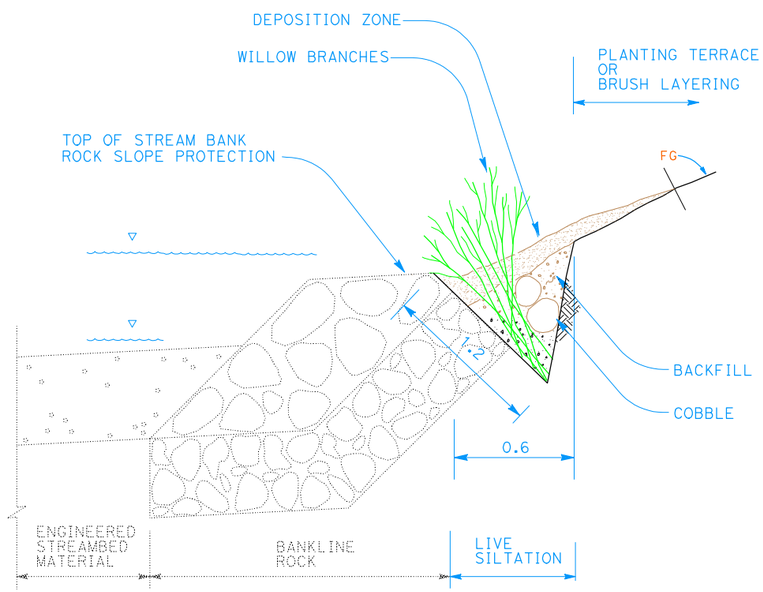
LICENSED LANDSCAPE ARCHITECT

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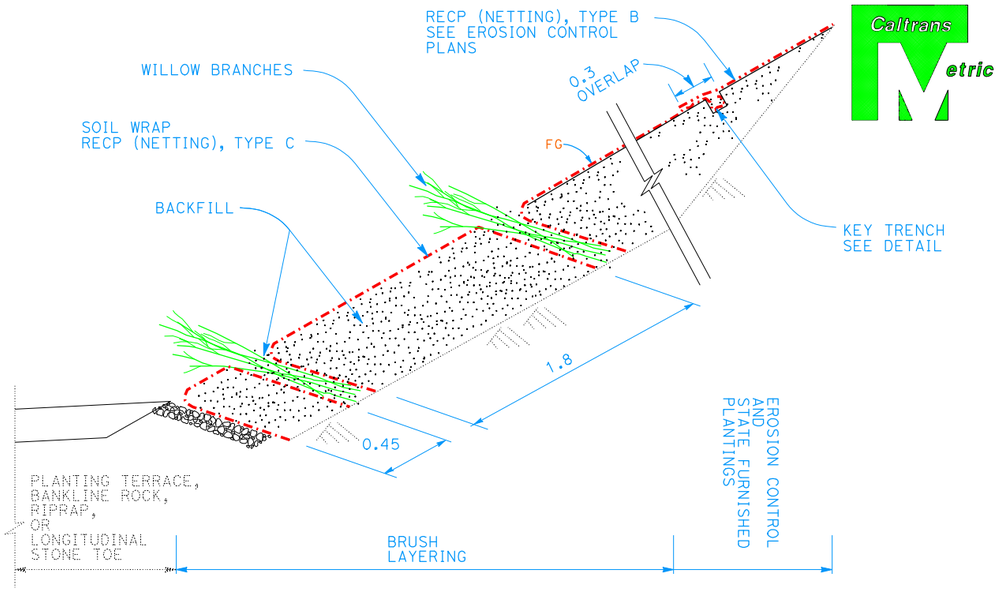
LICENSED LANDSCAPE ARCHITECT — Signature — Renewal Date — Date — STATE OF CALIFORNIA

Caltrans Metric



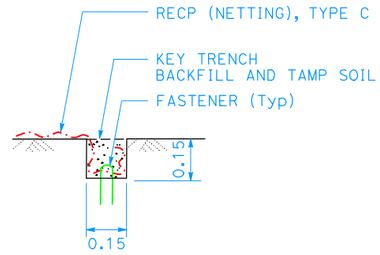
SECTION

LIVE SILTATION



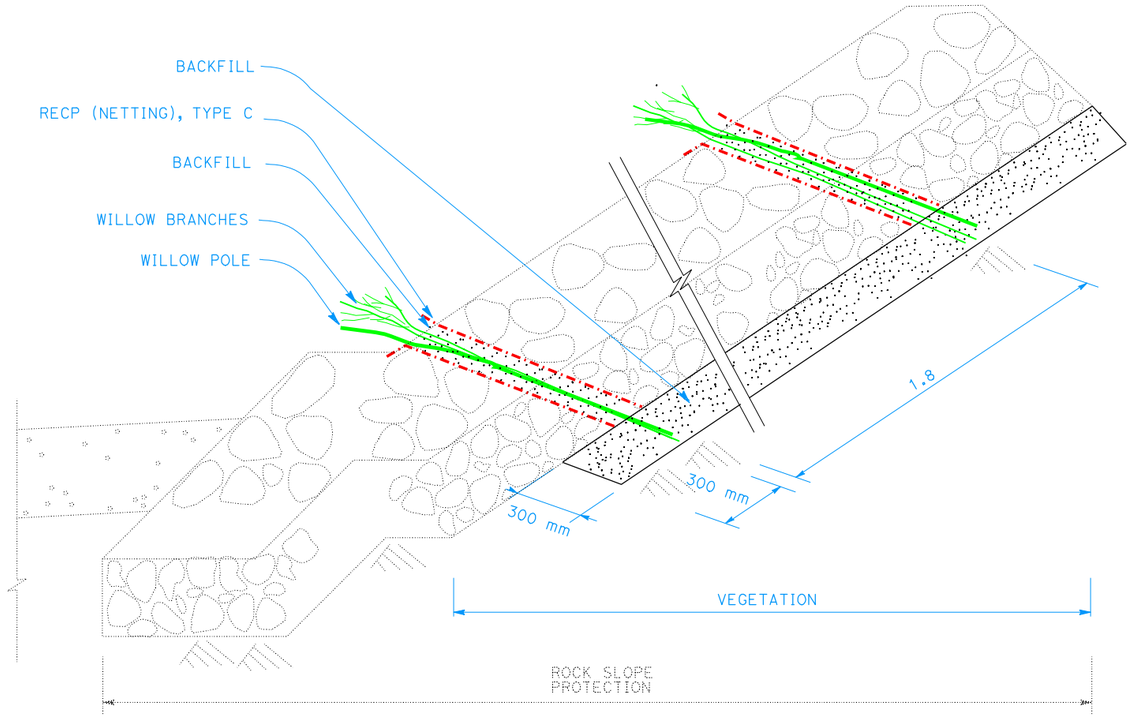
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BRUSH LAYERING



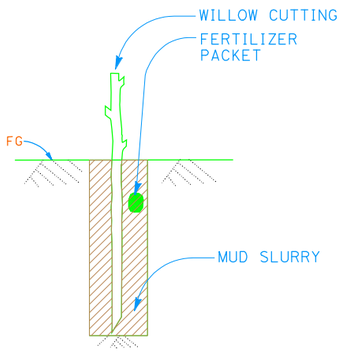
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KEY TRENCH DETAIL

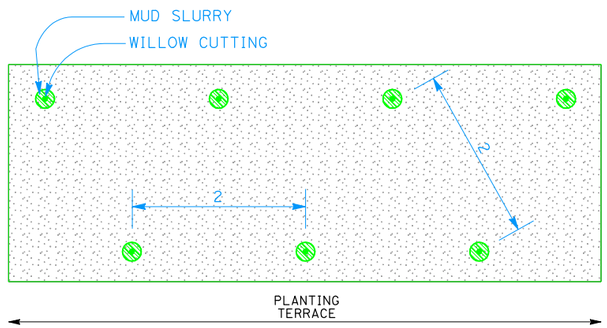


SECTION

VEGETATED ROCK SLOPE PROTECTION



SECTION



PLAN

WILLOW CUTTINGS (PLANT GROUP WC)

THIS SHEET ACCURATE FOR EROSION CONTROL WORK ONLY.

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

EROSION CONTROL DETAILS

NO SCALE

ECD-13

LAST REVISION 00-00-00 | DATE PLOTTED => 29-SEP-2011 | TIME PLOTTED => 12:39

REVISED BY | DATE REVISED

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SENIOR LANDSCAPE ARCHITECT: T. CHRIS JOHNSON

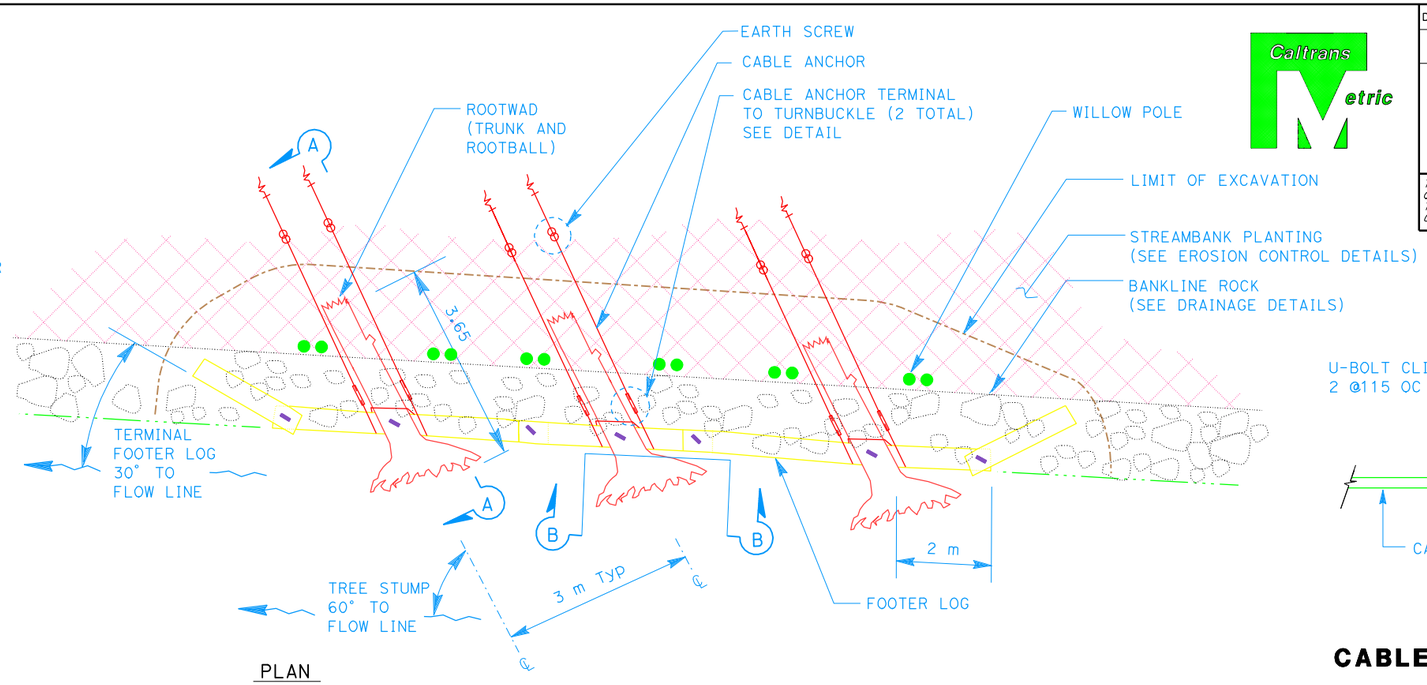
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans 03-LANDSCAPE ARCHITECTURE

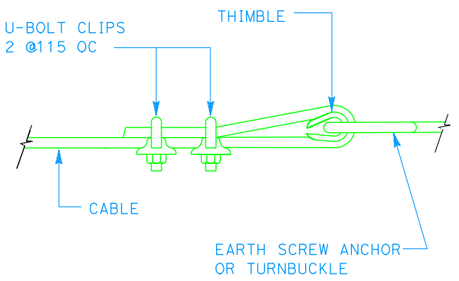
BORDER LAST REVISED 3/1/2007 | RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80 | USERNAME => s111066 | DGN FILE => zFishPassage63.dgn | CU 0381 | EA 262001

NOTES:

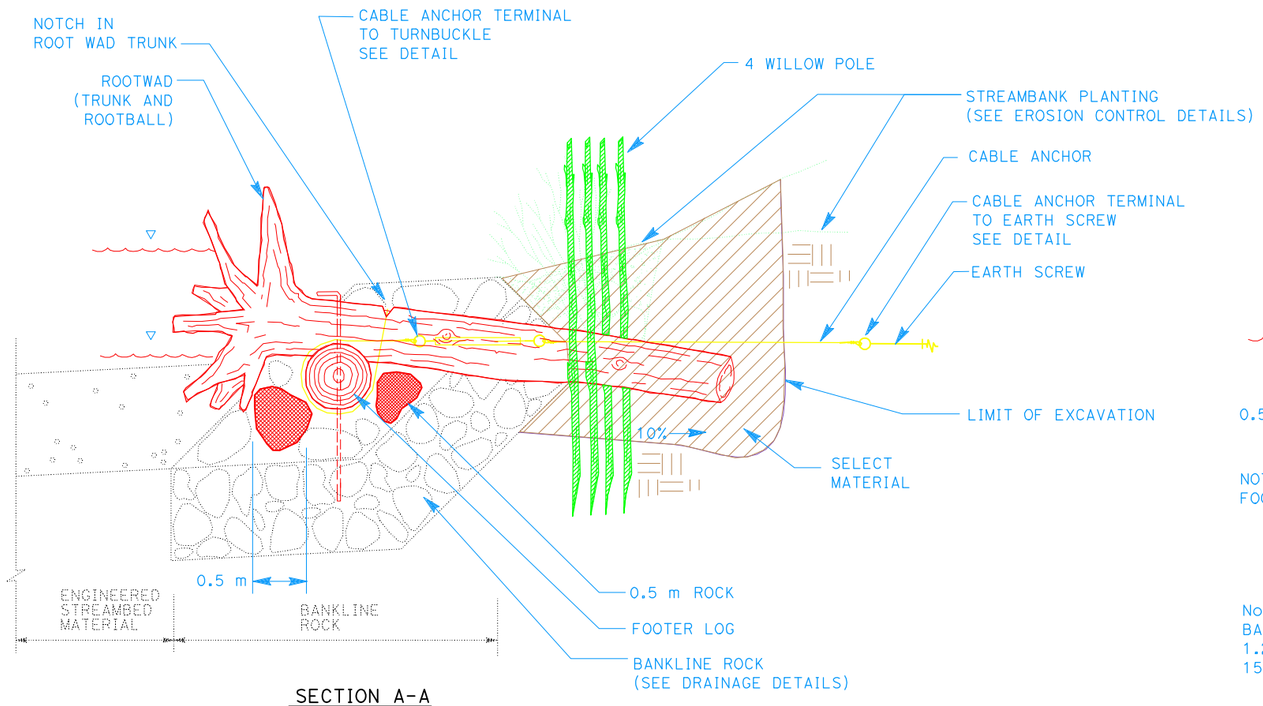
1. ROOT WAD SHALL BE PLACED SUCH THAT THE FOOTER LOG IS PLACED BENEATH THE ROOT WAD.
2. FIELD CONDITIONS MAY VARY. FINAL CONFIGURATION SHALL BE DETERMINED BY ENGINEER.
3. PLACE A MINIMUM OF ONE 0.5 m ROCK ON EITHER SIDE OF FOOTER LOG DIRECTLY UNDER ROOT WAD.
4. REINFORCING BAR STAKES SHALL BE DRIVEN THROUGH PRE-DRILLED HOLE UNTIL STAKE HEAD IS FLUSH WITH LOG.
5. SEE DRAINAGE PLANS FOR FURTHER INFORMATION.



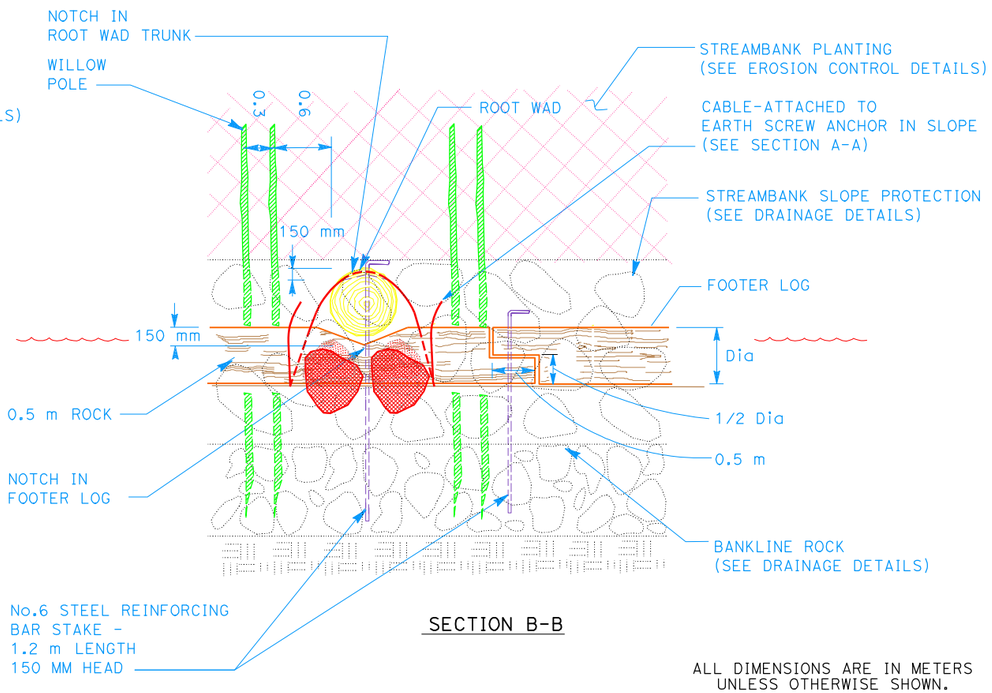
PLAN



CABLE ANCHOR TERMINAL



SECTION A-A



SECTION B-B

ROOTWAD REVETMENT

THIS SHEET ACCURATE FOR EROSION CONTROL WORK ONLY.

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

EROSION CONTROL DETAILS

NO SCALE

ECD-14

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	R69.4/R78.9		

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SENIOR LANDSCAPE ARCHITECT
T. CHRIS JOHNSON

LAST REVISION 00-00-00 | DATE PLOTTED => 29-SEP-2011 | TIME PLOTTED => 12:39

BORDER LAST REVISED 3/1/2007

RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => s111066
DGN FILE => zFishPassage64.dgn

CU 0381

EA 262001