

**Meeting of the Central Valley Flood Protection Board  
June 22, 2012**

**Staff Report – Encroachment Permit**

**City of Vacaville – Public Works Department  
Ulatis Creek Bike Path, Solano County**

---

**1.0 – ITEM**

Consider approval of Permit No. 18738 (Attachment B)

**2.0 – APPLICANT**

City of Vacaville - Public Works Department

**3.0 – LOCATION**

The project is located on the north bank of Ulatis Creek between Nut Tree Road and Leisure Town Road in the City of Vacaville. The bike trail runs parallel to the creek for approximately one mile. (Ulatis Creek, Solano County, See Attachment A)

**4.0 – DESCRIPTION**

To construct approximately one-mile of Class I asphalt concrete bike path on an existing dirt and gravel maintenance road along the north bank of Ulatis Creek.

**5.0 – PROJECT ANALYSIS**

The City of Vacaville Public Works Department is proposing the construction of a bike path along the north bank of Ulatis Creek. This project includes an approximately one-mile long bike path, a 100-foot long trail connection, upgrades to the existing inlets and cross drains and other appurtenant structures to support the new trail (including bollards, dismount barricades, signage, etc..)

Ulatis Creek has been realigned from its natural bed and reconfigured into an engineered trapezoidal flood control channel with gravel maintenance roads along the

top of both banks at the project location. The Solano County Water Agency is the local maintaining agency; the site is routinely graded and maintained to provide access for flood control maintenance equipment. The proposed project will consist of a 10-foot wide asphalt concrete trail with 1-foot shoulders on the exiting dirt/gravel maintenance road. The path will generally follow the approximate grade of the exiting maintenance road with only minor adjustments to grade to improve drainage. A 100-foot long trail will connect the bike path to the end of Green Tree Drive to provide neighborhood access.

Along the bike path there will be construction of several drainage swales, asphalt concrete dikes, and new storm drain inlet structures connected to existing cross drains to control storm runoff. Other appurtenant structures are proposed to support the new trail including; bollards, dismount barricades and signage. There is no landscaping or fencing proposed for the project.

The project area is located along the northern bank of Ulatis Creek as indicated in the plans (See attachment A). This project conforms to all standards in Title 23 Section 132.

### **5.1 – Hydraulic Analysis**

The City of Vacaville provided a Technical Memorandum describing the existing hydraulic conditions of Ulatis Creek. The proposed project is outside of the channel, the inlet structures tie into existing outlets thus there is no modification of the channel geometry. With the bike path and appurtenant structures being constructed outside of the channel the hydraulic impacts of the propose project are considered negligible.

### **5.2 – Geotechnical Analysis**

The scope of work for this project does not require a geotechnical analysis.

## **6.0 – AGENCY COMMENTS AND ENDORSEMENTS**

The comments and endorsements associated with this project from all pertinent agencies are shown below:

- Solano County Water Agency endorsed this project on March 5, 2012 with no conditions.

The U.S. Army Corps of Engineers 208.10 comment letter has been received for this application. The USACE District Engineer has no comments or recommendations with

regard to the proposed work as it does not affect a federally constructed project. The letter is incorporated into the permit by reference as Exhibit A.

## **7.0 – CEQA ANALYSIS**

The Board, as a responsible agency under CEQA, has reviewed Initial Study/Mitigated Negative Declaration (IS/MND) (October 2011, SCH# 2011102044) and Mitigation Monitoring and Reporting Program for the Ulatis Creek Bike Path, Nut Tree to Leisure Town Road prepared by the lead agency, the City of Vacaville. These documents, including project design, may be viewed or downloaded from the Central Valley Flood Protection Board website at <http://www.cvpfb.ca.gov/meetings/2012/06-22-2012.cfm> under a link for this agenda item. These documents are also available for review in hard copy at the Board and the City of Vacaville offices.

The City of Vacaville determined that the project would not have a significant effect on the environment on December 9, 2011 and subsequently filed a Notice of Determination on that date with the Solano County Clerk and the State Clearinghouse. Board staff finds that although the proposed project could have a potentially significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. The project proponent has incorporated mandatory mitigation measures into the project plans to avoid identified impacts or to mitigate such impacts to a point where no significant impacts will occur. These mitigation measures are included in the project proponent's IS/MND and address impacts to biological resources, cultural resources, hydrology and water quality. The description of the mitigation measures are further described in the adopted IS/MND.

## **8.0 – SECTION 8610.5 CONSIDERATIONS**

1. Evidence that the Board admits into its record from any party, State or local public agency, or nongovernmental organization with expertise in flood or flood plain management:

The Board will make its decision based on the evidence in the permit application and attachments, this staff report, and any other evidence presented by any individual or group.

2. The best available science that related to the scientific issues presented by the executive officer, legal counsel, the Department or other parties that raise credible scientific issues.

The accepted industry standards for the work proposed under this permit as regulated by Title 23 have been applied to the review of this permit.

3. Effects of the decision on the entire State Plan of Flood Control:

The purposed bike path and appurtenant structures will have no effect on the State Plan of Flood Control.

4. Effects of reasonable projected future events, including, but not limited to, changes in hydrology, climate, and development within the applicable watershed:

There will be no effects to the proposed project from reasonable projected future events.

**9.0 – STAFF RECOMMENDATION**

Staff recommends that the Board adopt the CEQA findings and approve the permit, and direct staff to file a Notice of Determination with the State Clearinghouse.

**10.0 – LIST OF ATTACHMENTS**

- A. Location Maps and Photos
- B. Draft Permit No. 18738
- C. Design Drawings

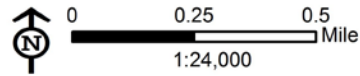
|                       |                                   |
|-----------------------|-----------------------------------|
| Design Review:        | Ashley Cousin                     |
| Environmental Review: | James Herota / Andrea Mauro       |
| Document Review:      | Mitra Emami P.E., Len Marino P.E. |

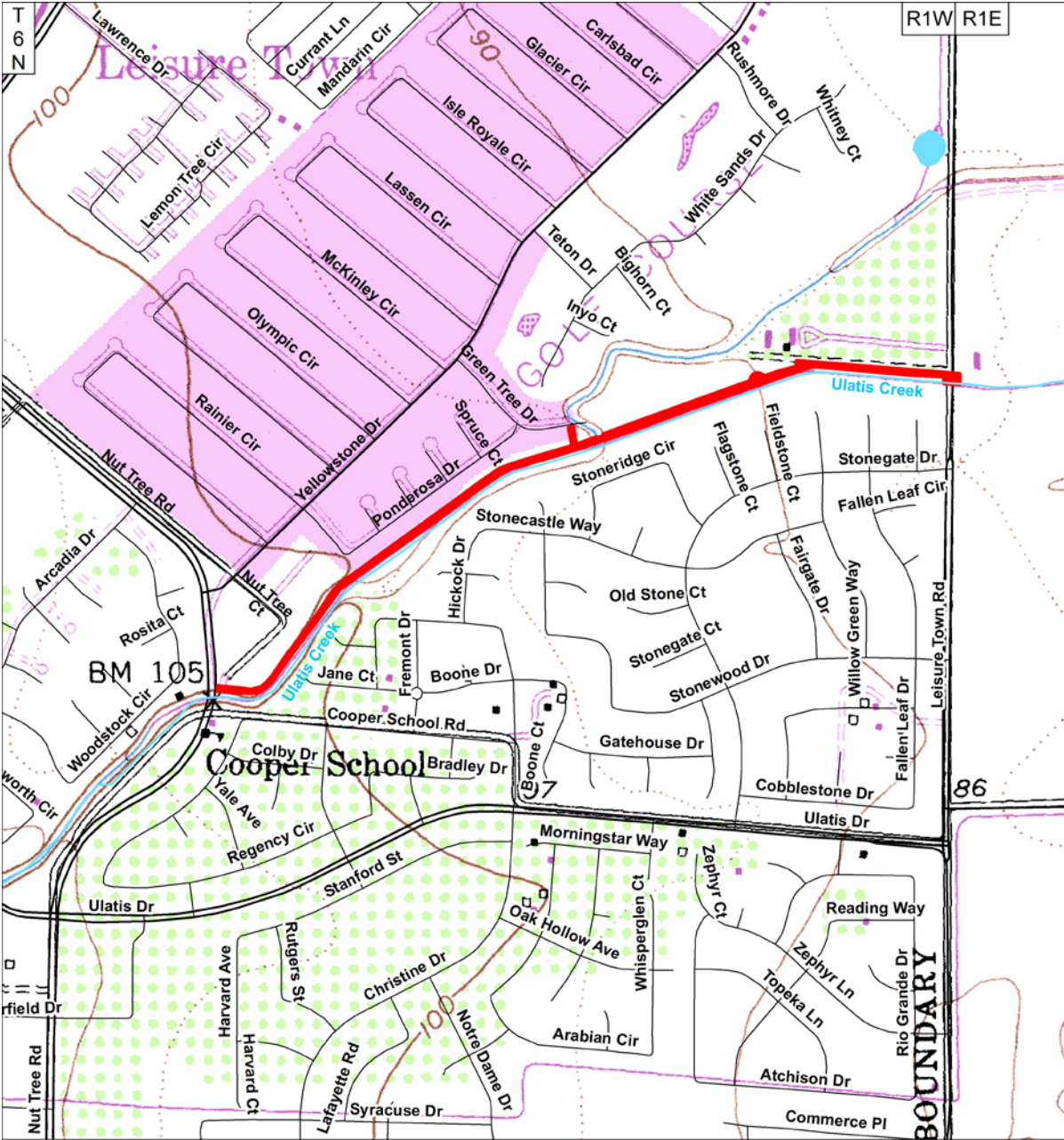


ULATIS CREEK BIKE PATH PROJECT - ULATIS DRIVE TO LEISURE TOWN ROAD

- Project Site
- Urban Area
- County Boundary
- Interstate
- Major Road
- Local Street
- Creek
- Wetland

City of Vacaville | Ulatis Creek Bike Path Project - Ulatis Drive to Leisure Town Road | NES | 1-1-11  
 Data Sources: City of Vacaville streets and wetlands (2009); ESRI StreetMap North America (2008)



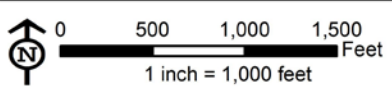


The Project Site is approximately 3.4 acres and is located on the Elmira USGS 7.5-minute quadrangle map; Mt. Diablo Meridian Township 6 North, Range 1 West, in an unsectioned portion of the Los Putos land grant. Center coordinates for the Project Site are: WGS84, Latitude 38.364350, Longitude -121.941514; UTM Zone 10N NAD83, Northing 1894515.311, Easting 6578436.300.

**ULATIS CREEK BIKE PATH PROJECT - ULATIS DRIVE TO LEISURE TOWN ROAD**

- Project Site Boundary
- Major Road
- Local Street
- Creek
- Wetland

City of Vacaville | Ulatis Creek Bike Path Project - Ulatis Drive to Leisure Town Road | NES | 1-11-11  
 Data Sources: City of Vacaville streets and wetlands (2009); USGS Elmira 7.5-minute quadrangle map











This page intentionally left blank.

**DRAFT**

STATE OF CALIFORNIA  
THE RESOURCES AGENCY  
**THE CENTRAL VALLEY FLOOD PROTECTION BOARD**

**PERMIT NO. 18738 BD**

**This Permit is issued to:**

City of Vacaville (Public Works Department)  
650 Merchant Street  
Vacaville, California 95688

Construction of approximately a one mile Class I asphalt concrete bike path on an existing dirt and gravel maintenance road along the north bank of Ulatis Creek. The project is located on the north bank of Ulatis Creek between Nut Tree Road and Leisure Town Road in the City of Vacaville. (Section , T6N, R1W, MDB&M, Ulatis Creek, Solano County).

**NOTE:** Special Conditions have been incorporated herein which may place limitations on and/or require modification of your proposed project as described above.

**(SEAL)**

Dated: \_\_\_\_\_

\_\_\_\_\_  
Executive Officer

**GENERAL CONDITIONS:**

**ONE:** This permit is issued under the provisions of Sections 8700 – 8723 of the Water Code.

**TWO:** Only work described in the subject application is authorized hereby.

**THREE:** This permit does not grant a right to use or construct works on land owned by the Sacramento and San Joaquin Drainage District or on any other land.

**FOUR:** The approved work shall be accomplished under the direction and supervision of the State Department of Water Resources, and the permittee shall conform to all requirements of the Department and The Central Valley Flood Protection Board.

**FIVE:** Unless the work herein contemplated shall have been commenced within one year after issuance of this permit, the Board reserves the right to change any conditions in this permit as may be consistent with current flood control standards and policies of The Central Valley Flood Protection Board.

**SIX:** This permit shall remain in effect until revoked. In the event any conditions in this permit are not complied with, it may be revoked on 15

days' notice.

**SEVEN:** It is understood and agreed to by the permittee that the start of any work under this permit shall constitute an acceptance of the conditions in this permit and an agreement to perform work in accordance therewith.

**EIGHT:** This permit does not establish any precedent with respect to any other application received by The Central Valley Flood Protection Board.

**NINE:** The permittee shall, when required by law, secure the written order or consent from all other public agencies having jurisdiction.

**TEN:** The permittee is responsible for all personal liability and property damage which may arise out of failure on the permittee's part to perform the obligations under this permit. If any claim of liability is made against the State of California, or any departments thereof, the United States of America, a local district or other maintaining agencies and the officers, agents or employees thereof, the permittee shall defend and shall hold each of them harmless from each claim.

**ELEVEN:** The permittee shall exercise reasonable care to operate and maintain any work authorized herein to preclude injury to or damage to any works necessary to any plan of flood control adopted by the Board or the Legislature, or interfere with the successful execution, functioning or operation of any plan of flood control adopted by the Board or the Legislature.

**TWELVE:** Should any of the work not conform to the conditions of this permit, the permittee, upon order of The Central Valley Flood Protection Board, shall in the manner prescribed by the Board be responsible for the cost and expense to remove, alter, relocate, or reconstruct all or any part of the work herein approved.

#### **SPECIAL CONDITIONS FOR PERMIT NO. 18738 BD**

**THIRTEEN:** All work approved by this permit shall be in accordance with the submitted drawings and specifications except as modified by special permit conditions herein. No further work, other than that approved by this permit, shall be done in the area without prior approval of the Central Valley Flood Protection Board.

**FOURTEEN:** The permittee is responsible for all liability associated with construction, operation, and maintenance of the permitted facilities and shall defend, indemnify, and hold the Central Valley Flood Protection Board and the State of California; including its agencies, departments, boards, commissions, and their respective officers, agents, employees, successors and assigns (collectively, the "State"), safe and harmless, of and from all claims and damages arising from the project undertaken pursuant to this permit, all to the extent allowed by law. The State expressly reserves the right to supplement or take over its defense, in its sole discretion.

**FIFTEEN:** The permittee shall defend, indemnify, and hold the Central Valley Flood Protection Board and the State of California, including its agencies, departments, boards, commissions, and their respective officers, agents, employees, successors and assigns (collectively, the "State"), safe and harmless, of and from all claims and damages related to the Central Valley Flood Protection Board's approval of this permit, including but not limited to claims filed pursuant to the California Environmental Quality Act. The State expressly reserves the right to supplement or take over its defense, in its sole discretion.

**SIXTEEN:** The Central Valley Flood Protection Board, Department of Water Resources, and Solano County Water Agency shall not be held liable for any damages to the permitted encroachment(s) resulting from flood fight, operation, maintenance, inspection, or emergency repair.

**SEVENTEEN:** No construction work of any kind shall be done during the flood season from November 1 to April 15 without prior approval of the Central Valley Flood Protection Board.

EIGHTEEN: Upon receipt of a signed copy of the issued (not approved only) permit the permittee shall contact the Department of Water Resources by telephone, (916) 574-0609, and submit the enclosed postcard to schedule a preconstruction conference. Failure to do so at least 10 working days prior to start of work may result in delay of the project.

NINETEEN: The permittee shall maintain the permitted encroachment(s) and the project works within the utilized area in the manner required and as requested by the authorized representative of the Department of Water Resources or any other agency responsible for maintenance.

TWENTY: The permitted encroachment(s) shall not interfere with operation and maintenance of the flood control project. If the permitted encroachment(s) are determined by any agency responsible for operation or maintenance of the flood control project to interfere, the permittee shall be required, at permittee's cost and expense, to modify or remove the permitted encroachment(s) under direction of the Central Valley Flood Protection Board or Department of Water Resources. If the permittee does not comply, the Central Valley Flood Protection Board may modify or remove the encroachment(s) at the permittee's expense.

TWENTY-ONE: The permittee may be required, at permittee's cost and expense, to remove, alter, relocate, or reconstruct all or any part of the permitted encroachment(s) if removal, alteration, relocation, or reconstruction is necessary as part of or in conjunction with any present or future flood control plan or project or if damaged by any cause. If the permittee does not comply, the Central Valley Flood Protection Board may remove the encroachment(s) at the permittee's expense.

TWENTY-TWO: If the project, or any portion thereof, is to be abandoned in the future, the permittee or successor shall abandon the project under direction of the Central Valley Flood Protection Board and Department of Water Resources, at the permittee's or successor's cost and expense.

TWENTY-THREE: The letter from the Department of the Army dated April 24, 2012 is attached to this permit as Exhibit A in reference to this project.

TWENTY-FOUR: The bicycle trail shall conform to the standards contained in Section 132 of the Central Valley Flood Protection Board's Regulations.

TWENTY-FIVE: Granting of this permit does not convey any interest in real property. The permittee shall be responsible, at permittee's expense, for obtaining an easement or other appropriate interest in real property for construction and maintenance of the bicycle trail from the fee owner of the property.

TWENTY-SIX: Maintenance of the bicycle trail shall be the responsibility of the permittee unless the permittee submits evidence of an agreement by which a public agency has assumed the responsibility of maintaining the bicycle trail. The trail shall be maintained to a level that is safe for bicycle traffic and acceptable to the local flood control maintaining agency and the Department of Water Resources.

TWENTY-SEVEN: Repair and/or replacement of the bicycle trail, should it become damaged due to emergency flood fight, levee or floodway maintenance, or necessary improvement activities on the flood control project feature, shall be made by and at the sole expense of the permittee, or in accordance with the agreement for maintenance between the permittee and the public agency.

TWENTY-EIGHT: The permittee shall adopt and enforce restrictions on the use of the trail that are acceptable to the Central Valley Flood Protection Board. Such restrictions, at a minimum, shall restrict public access to the trail and designated adjacent areas only; shall prohibit equestrian and motorized vehicle traffic, except as may be necessary for maintenance, enforcement, and public safety; and shall prohibit interference with the primary purpose of the project feature upon which the trail is constructed.

TWENTY-NINE: The permittee must install permanent signs at all bicycle access points to control all unauthorized use of the bicycle trail.

THIRTY: The Central Valley Flood Protection Board and local flood control maintaining agency retain the right to temporarily close the bicycle trail for improvement, maintenance, and emergency flood fight activities.

THIRTY-ONE: Debris that may accumulate on the permitted encroachment(s) and related facilities shall be cleared off and disposed of outside the floodway after each period of high water.

THIRTY-TWO: Upon completion of the project, the permittee shall submit As-Built Drawings to: Department of Water Resources, Flood Project Inspection Section, 3310 El Camino Avenue, Suite 256, Sacramento, California 95821.



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
U.S. Army Engineer District, Sacramento  
Corps of Engineers  
1325 J Street  
Sacramento, California 95814-2922

Flood Protection and Navigation Section (18738)

APR 24 2012

Mr. Jay Punia, Executive Officer  
Central Valley Flood Protection Board  
3310 El Camino Avenue, Room 151  
Sacramento, California 95821

Dear Mr. Punia:


We have reviewed a permit application by the City of Vacaville Public Works Department (application number 18738). This project includes constructing a one mile Class 1 asphalt concrete bike path on an existing dirt and gravel maintenance road along the north bank of Ulatis Creek. The project is located between Nut Tree Road and Leisure Town Road in the City of Vacaville, at 38.3644°N 121.9415°W NAD83, Solano County, California.

The District Engineer has no comments or recommendations regarding flood control because the proposed work does not affect a federally constructed project.

Based upon the information provided, no Section 10 or Section 404 permit is needed.

A copy of this letter is being furnished to Mr. Don Rasmussen, Chief, Flood Project Integrity and Inspection Branch, 3310 El Camino Avenue, Suite LL30, Sacramento, CA 95821.

Sincerely,

  
for

Meegan G. Nagy, P.E.  
Chief, Flood Protection and Navigation Section

This page intentionally left blank.



**GENERAL NOTES:**

1. THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO CONTRACTORS".
2. BIDDING INFORMATION  
QUESTIONS REGARDING BIDDING PROCEDURES SHOULD BE ADDRESSED TO:  
  
CITY OF VACAVILLE  
DEPARTMENT OF PUBLIC WORKS  
650 MERCHANT STREET  
VACAVILLE, CALIFORNIA 95688  
PHONE: 707-449-5170
- NO ORAL INTERPRETATIONS OF BID DOCUMENTS WILL BE MADE BY CITY STAFF. REQUESTS FOR INTERPRETATION SHALL BE MADE IN WRITING AND DELIVERED TO THE CITY AT LEAST 7 WORKING DAYS BEFORE BID OPENING. INTERPRETATIONS BY THE CITY WILL BE IN THE FORM OF AN ADDENDUM.
3. THESE PLANS SHALL BE SUPPLEMENTED BY STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS DATED MAY 2006 AND CITY OF VACAVILLE STANDARD DRAWINGS AND SPECIFICATIONS (CURRENT EDITION).
4. THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
5. BEFORE EXCAVATING CALL U.S.A. UNDERGROUND SERVICE ALERT (800-642-2444) 48 HOURS BEFORE ALL PLANNED WORK OPERATIONS.
6. THESE PLANS ARE THE PROPERTY AND COPYRIGHT OF THE CITY OF VACAVILLE AND SHALL NOT BE USED ON ANY OTHER WORK EXCEPT BY WRITTEN AGREEMENT WITH THE CITY OF VACAVILLE. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS AND FIELD DIMENSIONS SHALL BE VERIFIED ON THE JOB SITE. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF THE ENGINEER PRIOR TO THE START OF ANY WORK.

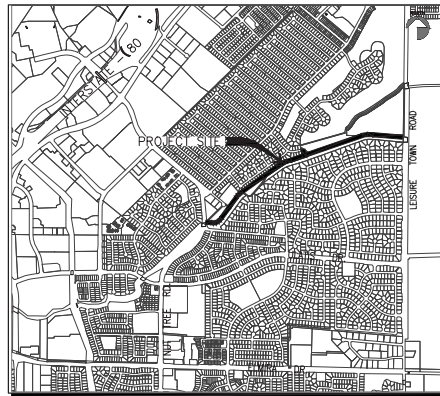
**CITY OF VACAVILLE  
DEPARTMENT OF PUBLIC WORKS**

● VACAVILLE ● SOLANO COUNTY ● CALIFORNIA ●

**PLANS FOR  
ULATIS CREEK BIKE PATH  
FEDERAL PROJECT NO. CML- 5094 (046)  
MAY 2012**

**SHEET INDEX:**

| SHEET NO.  | DESCRIPTION            |
|------------|------------------------|
| 1 (T)      | TITLE SHEET            |
| 2 (K)      | KEY MAP AND LEGEND     |
| 3 (X)      | TYPICAL CROSS-SECTIONS |
| 4 (D)      | DEMOLITION PLAN        |
| 5-10 (PP)  | PLAN AND PROFILE       |
| 11-12 (CD) | CONSTRUCTION DETAILS   |
| 13 (Q)     | QUANTITY SHEET         |



VICINITY MAP



LOCATION MAP

**95%  
SUBMITTAL  
PRELIMINARY  
02/23/2012**

**NOT FOR CONSTRUCTION**

EVIDENCE FILE: P:\vacaville\City\147-100-0000\02-23-12\147-100-0000.dwg

| NO. | DATE | DESCRIPTION | BY |
|-----|------|-------------|----|
|     |      |             |    |
|     |      |             |    |
|     |      |             |    |



REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
PLANS APPROVAL DATE \_\_\_\_\_  
CITY OF VACAVILLE  
DEPARTMENT OF PUBLIC WORKS  
650 MERCHANT STREET  
VACAVILLE, CA 95688

APPROVED BY: \_\_\_\_\_  
ROD MORESO R.C.E. 38521  
DIRECTOR OF PUBLIC WORKS

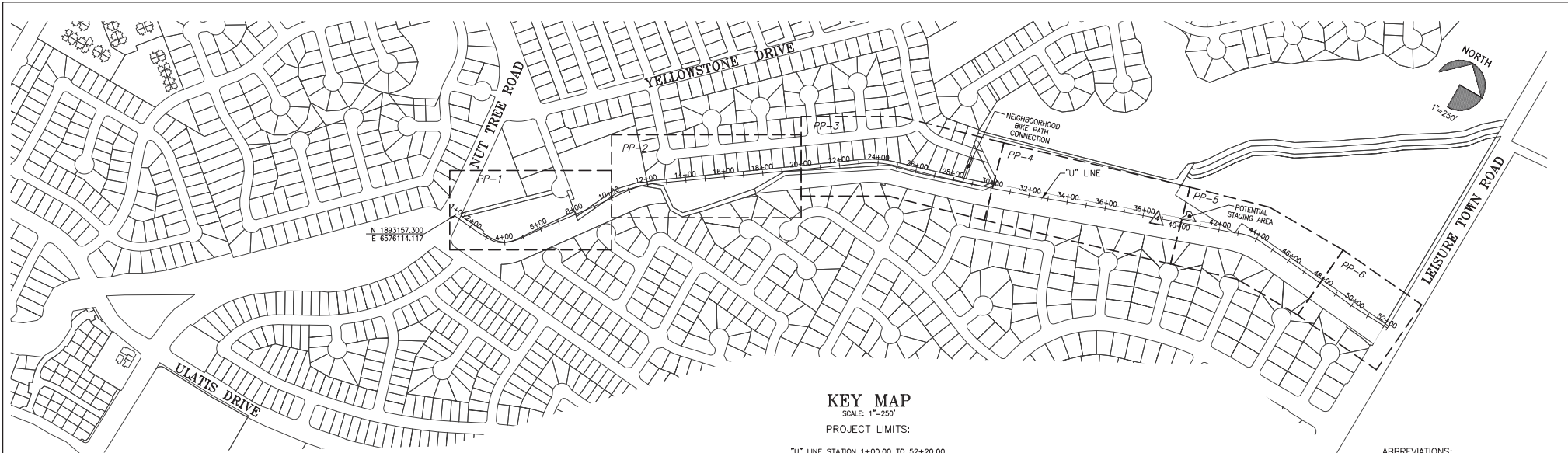
RECOMMENDED APPROVAL BY: \_\_\_\_\_  
SHAWN L. CUNNINGHAM R.C.E. 5142G  
ASSIST. DIRECTOR OF PUBLIC WORKS

DRAWN By: Hollie/Lucas Checked: C. Copeman  
DESIGN By: C. Copeman Checked: T. Skow  
QUANTITIES By: C. Copeman Checked: T. Skow  
SCALE: HORIZONTAL: N/A VERTICAL: N/A

**CITY OF VACAVILLE  
DEPARTMENT OF PUBLIC WORKS**



|   |   |                        |               |
|---|---|------------------------|---------------|
| <b>ULATIS CREEK BIKE PATH</b>             |   | T-1                    |               |
| Title Sheet                               |   |                        |               |
| DWG File: G:\CPL\100\0\147\Design\147-101 | DISREGARD PRINTS BEARING EARLIER PLOT DATES | DATE PLOTTED: 02/23/12 | SHEET 1 OF 13 |



**KEY MAP**

SCALE: 1"=250'

PROJECT LIMITS:

"U" LINE STATION 1+00.00 TO 52+20.00

**ABBREVIATIONS:**

- AB AGGREGATE BASE
- AC ASPHALT CONCRETE
- AP ANGLE POINT
- BEG BEGINNING
- BOC BACK OF CURB
- BOW BACK OF SIDEWALK
- BOWW BACK OF WALK
- BW BACK OF WALL
- CATV CABLE TV
- CRK CREEK
- DW DRIVEWAY
- E ELECTRIC
- EG EXISTING GRADE
- ELEV ELEVATION
- EP EDGE OF PAVEMENT
- EXIST. EXISTING
- FOC FACE OF CURB
- FG FINISHED GRADE
- FL FLOW LINE
- IV IRRIGATION VALVE
- LT LEFT
- MGBR METAL BEAM GUARD RAILING
- PG PROPOSED GRADE
- PG&E PACIFIC GAS & ELECTRIC
- PTS POINTS
- RC RELATIVE COMPACTION
- RCP REINFORCED CONCRETE PIPE
- RT RIGHT
- R/W RIGHT OF WAY
- SID SOLAND IRRIGATION DISTRICT
- SL STREET LIGHT
- S/L STATION LINE
- STA STATION
- SP STANDARD PLANS
- SW SIDEWALK
- T TELEPHONE
- TP TOP OF PAVEMENT
- TPV TYPICAL
- TV TELEVISION

**LEGEND:**

- EXISTING SIDEWALK, CURB & GUTTER
- EXISTING TREES/SHRUBS/LANDSCAPING
- EXISTING FENCE
- EXISTING CONTOURS
- RIGHT OF WAY
- SAW CUT LINE
- CENTER LINE
- EXISTING ELECTRICAL LINE
- EXISTING GAS LINE
- EXISTING TELEPHONE LINE
- EXISTING STORM DRAIN LINE AND MANHOLE
- EXISTING SANITARY SEWER LINE AND MANHOLE
- EXISTING WATER LINE AND VALVE
- EXISTING DRAIN INLET
- EXISTING FIRE HYDRANT
- EXISTING STREET LIGHT
- EXISTING POWER/JOINT POLE
- EXISTING TRAFFIC SIGN
- EXISTING SPOT ELEVATION
- EXISTING MONUMENT

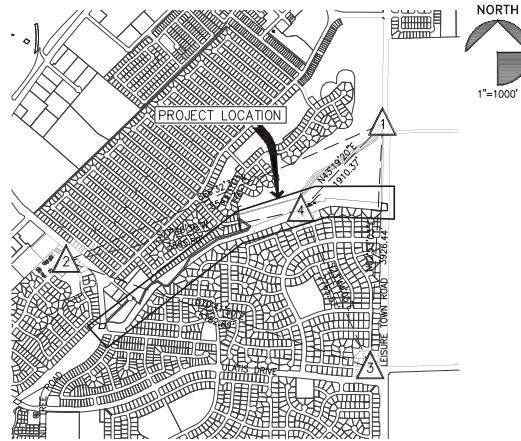
**CONTROL:**

HORIZONTAL CONTROL COORDINATES ARE ON THE CITY OF VACAVILLE CONTROL NETWORK, WHICH MATCHES THE NORTH AMERICAN DATUM OF 1983 (NAD 83), BASED ON THE CALIFORNIA HIGH PRECISION GEODETIC NETWORK (HPGN) 1992, EPOCH 1191.35 AND CONVERTED TO CALIFORNIA STATE PLANE COORDINATES, ZONE 2 IN U.S. SURVEY FEET. VERTICAL CONTROL IS THE NORTH AMERICAN DATUM OF 1988 (NAVD 88) AND BASED ON CONTROL STATION 8071, AS SHOWN ON THE MAP FILE IN BOOK 22 OF SURVEYS, PAGE 22, SOLANO COUNTY RECORDS.

| CONTROL POINTS |             |             |           |   |
|----------------|-------------|-------------|-----------|---|
| NO.            | NORTHING    | EASTING     | ELEVATION | DESCRIPTION                               |
| △              | 1896354.104 | 6580583.701 | 88.613    | GPS CONTROL MONUMENT "B101" PER 22 RS TO  |
| △              | 1894145.808 | 6575494.830 | 104.832   | GPS CONTROL MONUMENT "C2411" PER 22 RS TO |
| △              | 1892432.641 | 6580386.141 | 89.094    | GPS CONTROL MONUMENT "C2311" PER 22 RS TO |
| △              | 1894964.29  | 6579272.99  | 93.34     | SCRIBED "X" IN HUB AND TUCK               |

**NOTE:**

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING ALL CONTROL PTS THROUGHOUT THE DURATION OF THE PROJECT.



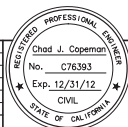
**CITY GPS CONTROL POINTS LOCATION**

SCALE: 1"=1000'

**NOT FOR CONSTRUCTION**

REFERENCE FILES: Project.dwg 747-022324.dwg

| NO. | DATE | DESCRIPTION | BY |
|-----|------|-------------|----|
|     |      |             |    |



REGISTERED CIVIL ENGINEER DATE  
 PLANS APPROVAL DATE  
 CITY OF VACAVILLE  
 DEPARTMENT OF PUBLIC WORKS  
 650 MERCHANT STREET  
 VACAVILLE, CA 95688

APPROVED BY:  
 RUD MORESOS R.C.E. 38521  
 DIRECTOR OF PUBLIC WORKS

RECOMMENDED APPROVAL BY:  
 SHAWN L. CUNNINGHAM R.C.E. 51420  
 ASST. DIRECTOR OF PUBLIC WORKS

DRAWN By: Hollie/Lucas Checked: C. Copeman  
 DESIGN By: C. Copeman Checked: T. Skow  
 QUANTITIES By: Hollie/Lucas Checked: C. Copeman

**CITY OF VACAVILLE**  
**DEPARTMENT OF PUBLIC WORKS**



**ULATIS CREEK BIKE PATH**  
 Key Map and Legend

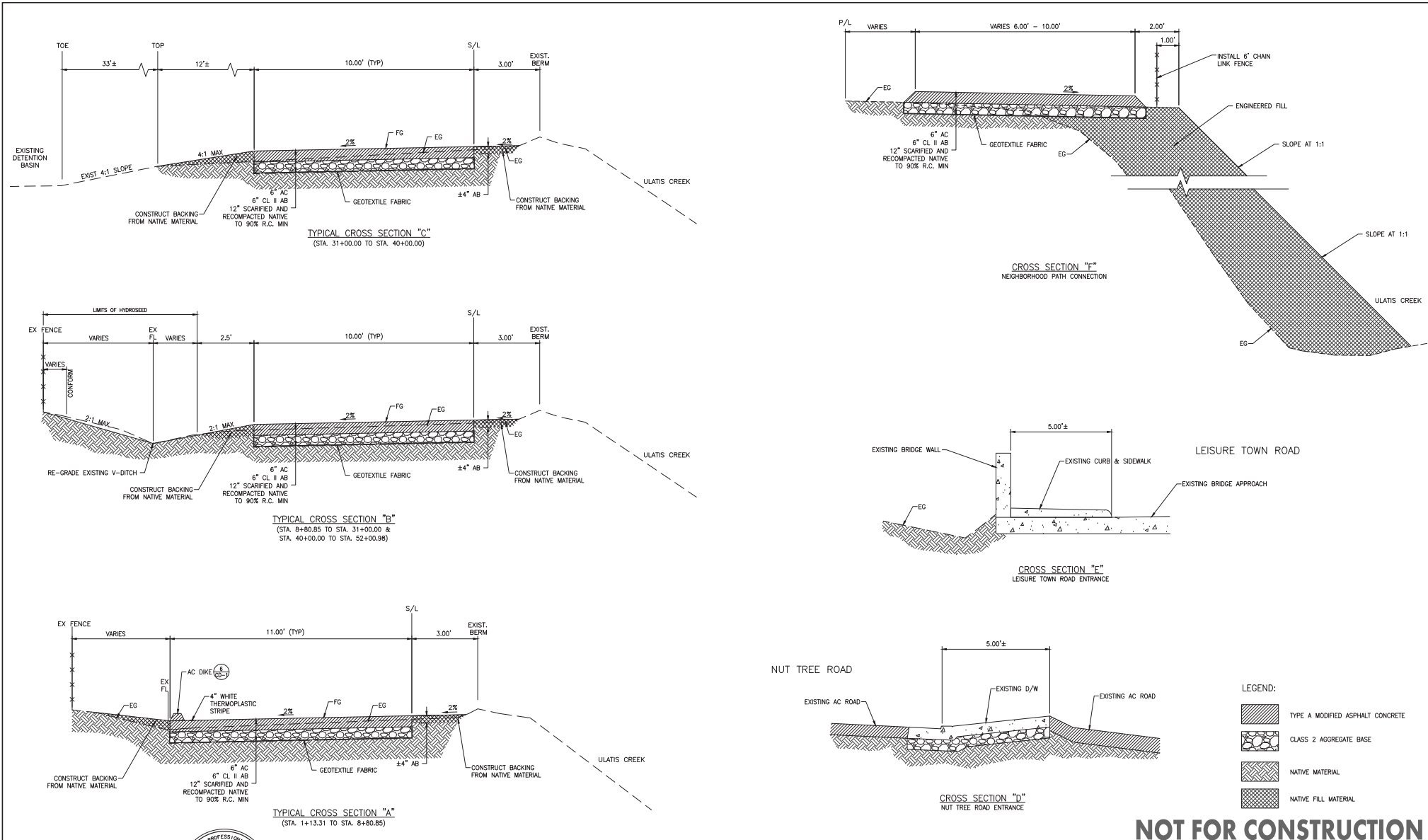
K-1

SCALE: HORIZONTAL: As Shown VERTICAL: N/A

ORIGINAL SCALE IS IN INCHES FOR REDUCED PLANS

DWG File: G:\VCP\100\2147\Design\147-K01

DISREGARD PRINTS BEARING EARLIER PLOT DATES: 02/23/12 SHEET 2 OF 13



**NOT FOR CONSTRUCTION**

REFERENCE FILES: 742-10220-04.dwg 742-100100.dwg 742-100000.dwg 742-100000.dwg 742-100000.dwg

| NO. | DATE | DESCRIPTION | BY |
|-----|------|-------------|----|
|     |      |             |    |
|     |      |             |    |
|     |      |             |    |



|   |  |                                |  |
|---|--|--------------------------------|--|
| REGISTERED CIVIL ENGINEER<br>Chad J. Copeman<br>No. C78393<br>Exp. 12/31/12<br>CIVIL<br>STATE OF CALIFORNIA | APPROVED BY:<br>RUD MORESOS R.C.E. 38521<br>DIRECTOR OF PUBLIC WORKS | REGISTERED CIVIL ENGINEER DATE | RECOMMENDED APPROVAL BY:<br>SHAWN L. CUNNINGHAM R.C.E. 5142G<br>ASSIST. DIRECTOR OF PUBLIC WORKS |
|---|--|--------------------------------|--|

|  |  |  |
|--|--|--|
| DRAWN<br>By: Hollie/Lucas<br>Checked: C. Copeman | DESIGN<br>By: C. Copeman<br>Checked: T. Skow | QUANTITIES<br>By: C. Copeman<br>Checked: T. Skow |
|--|--|--|

**CITY OF VACAVILLE**  
DEPARTMENT OF PUBLIC WORKS



|  |  |  |
|--|--|--|
| ULATIS CREEK BIKE PATH<br>Typical Cross Sections |  | X-1  |
| DWG File:<br>G:\CPL\100\2\147\Design\147-x01     | DISREGARD PRINTS BEARING<br>EARLIER PLOT DATES | DATE PLOTTED: 02/23/12<br>SHEET: 3<br>OF: 13 |

SCALE: HORIZONTAL: 1"=2' VERTICAL: 1"=2'  
ORIGINAL SCALE IS IN INCHES FOR REDUCED PLANS