

**APPENDIX C**  
**CULTURAL RESOURCES ASSESSMENT**

## Archaeological Screening Review – Stream Corridor and Detention Maintenance Project, 25 Locations, City of Pleasanton, Alameda County

|              |  |
|--------------|--|
| <b>TO:</b>   | Liz Allen<br>Regulatory Permitting Specialist (510.239.5233)<br><b>WRA, Inc. (Emeryville Office)</b>                                   |
| <b>RE:</b>   | Archaeological Screening Review – Stream Corridor and Detention Maintenance Projects, 25 Locations, City of Pleasanton, Alameda County |
| <b>FROM:</b> | Colin I. Busby, Project Principal (510.430.8441 x101)  |
| <b>DATE:</b> | 24 January, 2020 (Revised 6 February, 2020)  |

### INTRODUCTION

The City of Pleasanton conducts periodic maintenance in its stream corridors and detention basins to improve stormwater conveyance and quality. Proposed routine maintenance is slated for 17 stream sections and eight stormwater detention ponds located throughout the City and includes concrete drainages, a naturalized stream channel passing through Mission Park and various detention basins. All of the proposed maintenance sites are owned by the City including channel corridors, detention basins, and adjacent roads, with the exception of four channels and three detention basins, which are located on private property and accessible via City easements.

This memo provides the results of an initial archaeological screening review of the 25 locations proposed Area of Potential Effects (APE) to identify potential cultural resources issues in accordance with the California Environmental Quality Act (CEQA). The APE for Archaeology includes the area within which an undertaking may directly or indirectly cause changes in the character or use of archaeological resources. The horizontal and vertical APE consists of ground disturbing construction within and adjacent to each work location. Ground disturbance will be limited to weed abatement and removal of washed-in silt and rock to return the channel or basin to its design configuration. The proposed actions will not involve modifications or impacts to the existing built environment aside from transitory effects from dust and intermittent vibration.

### PROJECT ELEMENTS

The project includes six routine maintenance actions for 17 stream sections and eight stormwater detention ponds: The maintenance procedures include:

***Weed Abatement in Detention Basins:*** An agriculture tractor equipped with a fail or rotary type mower is used to abate weeds along and in the maintenance road, along the top of the banks of the basin, the basin floor and the internal and external bank slopes of the basin. Time required for this maintenance action ranges from one to two days depending on the size of the basin.

***Silt and Rock Removal in Detention Basins:*** Dump trucks, backhoe or excavator are used to scrape and off haul the silt or washed in rock materials layer from floor of the basin. Time required for maintenance actions varies from one to four days.

**Weed Abatement in Streams:** An enclosed cab, tracked Bobcat with a mowing attachment is used along the maintenance road, along stream bank tops and within the channel itself. Weed abatement along steeper banks or areas unreachable by the Bobcat occurs with gas powered string trimmers. For small sites the time required for this maintenance action varies from two to three hours. Larger sites for which a Bobcat is required take four to 12 hours.

**Silt and Rock Removal in Stream:** Dump trucks, backhoe or excavator are used to remove and haul off silt or washed in rock materials from the streams. This work activity is infrequent and the time required for each maintenance actions varies from one to three days.

**Tule Removal from Streams:** Dump trucks and an Excavator are utilized to dig out tules and their roots from streambeds. Removed tules are loaded into the dump trucks and hauled to Laguna Creek soil disposal site. Streets sweepers are scheduled to sweep the haul route mid-day and after the last load of the day. Time required for these maintenance actions varies from one to five days (Junipero Canal).

**Tree Trimming in Riparian Corridor:** Mechanized machinery will be used to prune and trim trees along riparian corridors of the Project Area, mostly at Touriga Creek. There are potential needs for further tree maintenance.

## RESEARCH PROTOCOLS

A prehistoric and historic site records and literature search for each alignment with a 0.25 mile radius was completed by the California Historical Resources Information System, Northwest Information Center, Sonoma State University (CHRIS/NWIC File Nos. 19-0189 and 19-0817 dated 8/29/19 and 12/4/19 by Hagel). Reference material available on the web, the Bancroft Library at the University of California, Berkeley, and Basin Research Associates, San Leandro was also consulted where appropriate. Sources included:

*Historic Properties Directory* for Alameda County (CAL/OHP 2012a);

*National Register of Historic Places* listings for Alameda County, California (USNPS 2015, 2017, 2019);

*Listed California Historical Resources* (CAL/OHP 2019) with the most recent updates of the National Register of Historic Places; California Historical Landmarks; and, California Points of Historical Interest as well as other evaluations of properties reviewed by the State of California Office of Historic Preservation;

*California History Plan* (CAL/OHP 1973);

*California Inventory of Historic Resources* (CAL/OHP 1976);

*Five Views: An Ethnic Sites Survey for California* (CAL/OHP 1988);

*Archaeological Determinations of Eligibility* (CAL/OHP 2012b); and,

other regional/local lists and maps (see References Cited and Consulted).

The Native American Heritage Commission (NAHC) was contacted for a review of the Sacred Lands Inventory for the proposed Stream Maintenance Project locations in August and December 2019 (Busby 2019a, i). Both reviews were negative (Totton 2019, Gonzales-Lopez

2019). Contact was initiated with seven knowledgeable Native American individuals/organizations identified by the NAHC.

No other agencies, departments or local historical societies were contacted regarding landmarks, potential historic sites or structures.

## RECORDS SEARCH RESULTS

The two record searches identified 26 recorded cultural resources. Four resources are within or adjacent to three project locations (C-02, C-10, and C-14). Six of the 25 project locations are not within or adjacent to or within 0.25 miles of any recorded cultural resources (C-01, C-03, C-09, C-11, C-13 and P-04). The remaining 16 project sites are not within or adjacent to any recorded resource, but are within 0.25 miles of one or more recorded cultural resources (see Tables 1-2).

**TABLE 1**  
Cultural Resources Summary

| Project Location                        | In or Adjacent               | Within 0.25 miles |
|---|------------------------------|-------------------|
| C-01: Pimlico Canal                     | 0                            | 0                 |
| C-02: Pleasanton Canal                  | 1 (historic)                 | 1                 |
| C-03: Foothill High School Trash Rack   | 0                            | 0                 |
| C-04: Bernal V-ditch                    | 0                            | 2                 |
| C-05: Bernal North-South V-ditch        | 0                            | 2                 |
| C-06: Mission Creek Restoration Project | 0                            | 5                 |
| C-07: Lower Kottinger Creek             | 0                            | 2                 |
| C-08: Upper Kottinger Creek             | 0                            | 1                 |
| C-09: Touriga Creek                     | 0                            | 0                 |
| C-10: Junipero Canal                    | 2 (prehistoric and historic) | 3                 |
| C-11: Mission Park Creek                | 0                            | 0                 |
| C-12: Cemetery Creek                    | 0                            | 1                 |
| C-13: Gold Creek                        | 0                            | 0                 |
| C-14: Dublin Canyon – East Section      | 1 (prehistoric)              | 0                 |
| C-14: Dublin Canyon – West Section      | 0                            | 1                 |
| C-15: Stonedale Channel                 | 0                            | 1                 |
| C-16: Arlington Creek                   | 0                            | 1                 |
| C-17: Rutledge Place Culvert            | 0                            | 4                 |
| P-01: Stoneridge Pond                   | 0                            | 5                 |
| P-02: Bernal Central Detention Pond     | 0                            | 3                 |
| P-03: Canyon Oaks Detention Pond        | 0                            | 4                 |
| P-04: Bernal West Detention Pond        | 0                            | 0                 |
| P-05: Callippe Detention Pond           | 0                            | 1                 |
| P-06: Oak Tree Farms Detention Pond     | 0                            | 1                 |
| P-07: Vineyard West Detention Pond      | 0                            | 1                 |
| P-08: Vineyard East Detention Pond      | 0                            | 1                 |

**TABLE 2**  
Cultural Resources Within or Adjacent to or Within 0.25 Mile of Location

| Resource   | Type   | Recorded by   | Eligibility<br>NRHP/CRHR                              | Comment   |
|--|--|---|---|---|
| <b>C-01: Pimlico Canal – In or Adjacent</b>                        |  |   |   |   |
| None   |  |   |   |   |
| <b>C-01: Pimlico Canal – Within 0.25 miles</b>                     |  |   |   |   |
| None   |  |   |   |   |
| <b>C-02: Pleasanton Canal – In or Adjacent</b>                     |  |   |   |   |
| P-01-001775  | Historic; Structure;<br>Pleasanton Canal   | 1994 (Woodward-Clyde<br>Consultants)                                      | Not eligible for<br>NRHP under<br>criteria a, b, or c | Constructed in mid-1960s.                           |
| <b>C-02: Pleasanton Canal – Within 0.25 miles</b>                  |  |   |   |   |
| P-01-010616<br>(ALA-000705)  | Prehistoric; Site;<br>C-280; Exxon Reburial  | 1987 (Rick Hicks)<br>2000 (R. Thompson)<br>2018 (D. DiGiuseppe, D. Grant) |   | ca. 475 feet south of the south<br>end of C-02      |
| <b>C-03: Foothill High School Trash Rack – In or Adjacent</b>      |  |   |   |   |
| None   |  |   |   |   |
| <b>C-03: Foothill High School Trash Rack – Within 0.25 miles</b>   |  |   |   |   |
| None   |  |   |   |   |
| <b>C-04: Bernal V-ditch – In or Adjacent</b>                       |  |   |   |   |
| None   |  |   |   |   |
| <b>C-04: Bernal V-ditch – Within 0.25 miles</b>                    |  |   |   |   |
| P-01-003618  | Historic; Building;<br>Heathcote/Mackenzie House;<br>OHP PRN - NPS-91001538;   | 1988, 1991 (Betty Croly)  |   | ca. 730 feet northeast of the east<br>end of C-04   |
| P-01-011389  | Historic; Structure;<br>Alameda County<br>Fairgrounds/Grandstand   | 2010 (K.A. Crawford)  |   | ca. 1050 feet northeast of the<br>east end of C-04  |
| <b>C-05: Bernal North-South V-ditch – In or Adjacent</b>           |  |   |   |   |
| None   |  |   |   |   |
| <b>C-05: Bernal North-South V-ditch – Within 0.25 miles</b>        |  |   |   |   |
| P-01-003618  | Historic; Building;<br>Heathcote/Mackenzie House;<br>OHP PRN - NPS-91001538;   | 1988, 1991 (Betty Croly)  |   | ca. 700 feet north of the north<br>end of C-05      |
| P-01-011389  | Historic; Structure;<br>Alameda County<br>Fairgrounds/Grandstand   | 2010 (K.A. Crawford)  |   | ca. 1000 feet northeast of the<br>north end of C-05 |
| <b>C-06: Mission Creek Restoration Project – In or Adjacent</b>    |  |   |   |   |
| None   |  |   |   |   |
| <b>C-06: Mission Creek Restoration Project – Within 0.25 miles</b> |  |   |   |   |
| P-01-003618  | Historic; Building;<br>Heathcote/Mackenzie House;<br>OHP PRN - NPS-91001538;   | 1988, 1991 (Betty Croly)  |   | ca. 700 feet north of the north<br>end of C-06      |
| P-01-010610<br>(ALA-000613/H)                                      | Prehistoric, Historic; Site;<br>Canyon Oaks  | 2003 (Heather Price, Kyle S.<br>Brown)                                    |   | ca. 660 feet to the east                            |
| P-01-010707  | Prehistoric; Site;<br>Bernal Reburial Site   | 2004 (Heather Price)  |   | ca. 175 feet to the east                            |
| P-01-011389  | Historic; Structure;<br>Alameda County<br>Fairgrounds/Grandstand   | 2010 (K.A. Crawford)  |   | ca. 1000 feet north of the north<br>end of C-06     |
| P-01-011624  | Historic; District, Structure;<br>Niles Canyon Transcontinental<br>Railroad Historic District<br>NPS-I0000843-9999;<br>National Register - 01-0090 | 2009 (Al Minard)  |   | ca. 1200 feet to the east                           |

**TABLE 2, con't**  
Cultural Resources Within or Adjacent to or Within 0.25 Mile of Location

| Resource   | Type   | Recorded by                            | Eligibility<br>NRHP/CRHR   | Comment  |
|--|--|--|--|--|
| <b>C-07: Lower Kottinger Creek – In or Adjacent</b>    |  |  |  |  |
| None   |  |  |  |  |
| <b>C-07: Lower Kottinger Creek – Within 0.25 miles</b> |  |  |  |  |
| P-01-005724  | Historic; Building;<br>John W. Kottinger Adobe<br>Barn;<br>OHP PRN - NPS-85002305  | 1984 (B. Koopmann, E.<br>Koopmann)     |  | ca. 770 feet north of the north<br>end of C-07   |
| P-01-011619  | Historic; Building   | 2014 (Aimee Arrigoni)                  |  | ca. 850 feet northeast of the<br>north end of C-07   |
| <b>C-08: Upper Kottinger Creek – In or Adjacent</b>    |  |  |  |  |
| None   |  |  |  |  |
| <b>C-08: Upper Kottinger Creek – Within 0.25 miles</b> |  |  |  |  |
| P-01-010627  | Historic; Structure<br>Kottinger Tank & McCloud<br>Pump Station  | 2003 (Collins, Losee,<br>Supernowicz)  | Not a historic<br>resource under<br>CEQA   | ca. 120 feet southeast of the<br>west end of C-08  |
| <b>C-09: Touriga Creek – In or Adjacent</b>            |  |  |  |  |
| None   |  |  |  |  |
| <b>C-09: Touriga Creek – Within 0.25 miles</b>         |  |  |  |  |
| None   |  |  |  |  |
| <b>C-10: Junipero Canal – In or Adjacent</b>           |  |  |  |  |
| P-01-011624  | Historic; District, Structure;<br>Niles Canyon Transcontinental<br>Railroad Historic District<br>NPS-I0000843-9999;<br>National Register - 01-0090 | 2009 (Al Minard)                       | Historic district<br>eligible for NRHP<br>under Criterion a                                    | Canal intersects historic district<br>– does not affect any of the<br>criteria that contribute to the<br>eligibility of the district for the<br>NRHP |
| P-01-010610<br>(ALA-000613/H)                          | Prehistoric/Historic; Site;<br>Canyon Oaks   | 2003 (Heather Price, Kyle S.<br>Brown) | Native American<br>burial salvage<br>project – resource<br>now under<br>housing<br>development | ca. 30 feet to the south   |
| <b>C-10: Junipero Canal – Within 0.25 miles</b>        |  |  |  |  |
| P-01-000061<br>(ALA-000041)                            | Prehistoric; Site  | 1950 (Horner)                          |  | ca. 1100 feet to the south   |
| P-01-010707  | Prehistoric; Site;<br>Bernal Reburial Site   | 2004 (Heather Price)                   |  | ca. 900 feet southeast of the<br>west end of C-10  |
| <b>C-11: Mission Park Creek – In or Adjacent</b>       |  |  |  |  |
| None   |  |  |  |  |
| <b>C-11: Mission Park Creek – Within 0.25 miles</b>    |  |  |  |  |
| None   |  |  |  |  |
| <b>C-12: Cemetery Creek – In or Adjacent</b>           |  |  |  |  |
| None   |  |  |  |  |
| <b>C-12: Cemetery Creek – Within 0.25 miles</b>        |  |  |  |  |
| P-01-000061<br>(ALA-000041)                            | Prehistoric; Site  | 1950 (Horner)                          |  | ca. 690 feet to the west   |
| <b>C-13: Gold Creek – In or Adjacent</b>               |  |  |  |  |
| None   |  |  |  |  |
| <b>C-13: Gold Creek – Within 0.25 miles</b>            |  |  |  |  |
| None   |  |  |  |  |

**TABLE 2, con't**  
Cultural Resources Within or Adjacent to or Within 0.25 Mile of Location

| Resource  | Type   | Recorded by   | Eligibility<br>NRHP/CRHR  | Comment   |
|---|--|---|---|---|
| <b>C-14: Dublin Canyon – In or Adjacent</b>             |  |   |   |   |
| P-01-000063<br>(ALA-000043)                             | Prehistoric; Site  | 1950 (Lathrap; Harner,<br>1987 (Paul Hampson)   | Not evaluated;<br>appears to have<br>been destroyed by<br>subdivision<br>construction | Project has 4 components –<br>resource is within two eastern<br>components between Dublin<br>Canyon Road and Canyon<br>Meadows Circle and bisected by<br>Canyon Meadows Drive |
| <b>C-14: Dublin Canyon – Within 0.25 miles</b>          |  |   |   |   |
| P-01-000063<br>(ALA-000043)                             | Prehistoric; Site  | 1950 (Lathrap; Harner,<br>1987 (Paul Hampson)   |   | ca. 825 feet east of the western<br>components of C-14  |
| <b>C-15: Stonedale Channel – In or Adjacent</b>         |  |   |   |   |
| None  |  |   |   |   |
| <b>C-15: Stonedale Channel – Within 0.25 miles</b>      |  |   |   |   |
| P-01-011808   | Historic; Building<br>Dublin San Ramon Services<br>District Regional Wastewater<br>Treatment Facility  | 2016 (Tom Origer & Associates)  |   | ca. 440 feet to the east<br>(across I-580)  |
| <b>C-16: Arlington Creek – In or Adjacent</b>           |  |   |   |   |
| None  |  |   |   |   |
| <b>C-16: Arlington Creek – Within 0.25 miles</b>        |  |   |   |   |
| P-01-011624   | Historic; District, Structure;<br>Niles Canyon Transcontinental<br>Railroad Historic District<br>NPS-10000843-9999;<br>National Register - 01-0090 | 2009 (Al Minard)  | Historic district<br>eligible for NRHP<br>under Criterion A                           | ca. 1150 feet to the west   |
| <b>C-17: Rutledge Place Culvert – In or Adjacent</b>    |  |   |   |   |
| None  |  |   |   |   |
| <b>C-17: Rutledge Place Culvert – Within 0.25 miles</b> |  |   |   |   |
| P-01-012043<br>ALA-000701H                              | Historic; District<br>Lund Ranch   | 2018 (Jeremy Adams, Josh Adams,<br>Megan Webb);<br>2018 (J. Adams, M. Webb, M.<br>Meston) |   | ca. 380 feet to the east-southeast  |
| P-01-012045   | Historic; Structure,<br>Element of district<br>Large Barn  | 2018 (Jeremy Adams, Josh Adams,<br>Megan Webb)  |   | ca. 1250 feet to the southeast  |
| P-01-012046   | Historic; Structure,<br>Element of district<br>Quonset Hut   | 2018 (Jeremy Adams, Josh Adams,<br>Megan Webb)  |   | ca. 1150 feet to the southeast  |
| P-01-012047   | Historic; Structure,<br>Element of district<br>Stables   | 2018 (Jeremy Adams, Josh Adams,<br>Megan Webb)  |   | ca. 700 feet to the southeast   |
| <b>P-01: Stoneridge Pond – In or Adjacent</b>           |  |   |   |   |
| None  |  |   |   |   |
| <b>P-01: Stoneridge Pond – Within 0.25 miles</b>        |  |   |   |   |
| P-01-001776   | Historic; Structure, site;<br>Arroyo Mocho   | 1994 (Woodward-Clyde<br>Consultants);<br>2006 (Christopher Canzonieri)                    |   | ca. 850 feet to the south   |
| P-01-012084<br>(ALA-000703)                             | Prehistoric; Site  | 2004 (R. Ambro, J. Quist)   |   | ca. 850 feet to the south-<br>southeast   |
| P-01-012086   | Prehistoric; Site  | 2004 (R. Ambro, J. Quist)   |   | ca. 110 feet to the west  |
| P-01-012087   | Prehistoric; Site  | 2004 (R. Ambro, J. Quist)   |   | ca. 495 feet to the east  |
| 4 'C' sites   | Unrecorded sites, no<br>information available  | Listed in CHRIS/NWIC files – no<br>further information available                          |   | C-737, -738, -1282, -1283<br>estimated locations  |

**TABLE 2, con't**  
Cultural Resources Within or Adjacent to or Within 0.25 Mile of Location

| Resource   | Type   | Recorded by                             | Eligibility<br>NRHP/CRHR                                    | Comment  |
|--|--|---|---|--|
| <b>P-02: Bernal Central Detention Pond – In or Adjacent</b>    |  |   |   |  |
| None   |  |   |   |  |
| <b>P-02: Bernal Central Detention Pond – Within 0.25 miles</b> |  |   |   |  |
| P-01-002246  | Historic; Building, Structure;<br>Kennedy Ranch  | 2000 (Leigh Martin, Kimberly<br>Popetz) |   | ca. 700 feet to the west                           |
| P-01-010610<br>(ALA-000613/H)                                  | Prehistoric, Historic; Site;<br>Canyon Oaks  | 2003 (Heather Price, Kyle S.<br>Brown)  |   | ca. 1100 feet to the east                          |
| P-01-010707  | Prehistoric; Site;<br>Bernal Reburial Site   | 2004 (Heather Price)                    |   | ca. 600 feet to the southeast                      |
| <b>P-03: Canyon Oaks Detention Pond – In or Adjacent</b>       |  |   |   |  |
| None   |  |   |   |  |
| <b>P-03: Canyon Oaks Detention Pond – Within 0.25 miles</b>    |  |   |   |  |
| P-01-000061<br>(ALA-000041)                                    | Prehistoric; Site  | 1950 (Horner)                           |   | ca. 1250 feet to the southeast                     |
| P-01-010610<br>(ALA-000613/H)                                  | Prehistoric, Historic; Site;<br>Canyon Oaks  | 2003 (Heather Price, Kyle S.<br>Brown)  |   | ca. 125 feet south of the east end<br>of P-03      |
| P-01-010707  | Prehistoric; Site;<br>Bernal Reburial Site   | 2004 (Heather Price)                    |   | ca. 1000 feet southwest of the<br>west end of P-03 |
| P-01-011624  | Historic; District, Structure;<br>Niles Canyon Transcontinental<br>Railroad Historic District<br>NPS-I0000843-9999;<br>National Register - 01-0090 | 2009 (Al Minard)                        |   | ca. 550 feet to the east                           |
| <b>P-04: Bernal West Detention Pond – In or Adjacent</b>       |  |   |   |  |
| None   |  |   |   |  |
| <b>P-04: Bernal West Detention Pond – Within 0.25 miles</b>    |  |   |   |  |
| None   |  |   |   |  |
| <b>P-05: Callippe Detention Pond – In or Adjacent</b>          |  |   |   |  |
| None   |  |   |   |  |
| <b>P-05: Callippe Detention Pond – Within 0.25 miles</b>       |  |   |   |  |
| P-01-010573  |  |   |   | ca. 1060 feet to the east                          |
| <b>P-06: Oak Tree Farms Detention Pond – In or Adjacent</b>    |  |   |   |  |
| None   |  |   |   |  |
| <b>P-06: Oak Tree Farms Detention Pond – Within 0.25 miles</b> |  |   |   |  |
| P-01-002155  | Historic; Structure<br>Verona footbridge   | 1998 (S. Ashkar)                        |   | ca. 850 feet to the northeast                      |
| P-01-011624  | Historic; District, Structure;<br>Niles Canyon Transcontinental<br>Railroad Historic District<br>NPS-I0000843-9999;<br>National Register - 01-0090 | 2009 (Al Minard)                        | Historic district<br>eligible for NRHP<br>under Criterion A | ca. 1000 feet to the east                          |
| <b>P-07: Vineyard West Detention Pond – In or Adjacent</b>     |  |   |   |  |
| None   |  |   |   |  |
| <b>P-07: Vineyard West Detention Pond – Within 0.25 miles</b>  |  |   |   |  |
| P-01-002178  | Historic; Building   | 1998 (C.D. Wills, J. Reimers)           |   | ca. 610 feet to the southwest                      |
| <b>P-08: Vineyard East Detention Pond – In or Adjacent</b>     |  |   |   |  |
| None   |  |   |   |  |
| <b>P-08: Vineyard East Detention Pond – Within 0.25 miles</b>  |  |   |   |  |
| P-01-002149  | Historic; Building   | 1998 (C.D. Wills, J. Reimers)           |   | ca. 900 feet to the south                          |



## LISTED HISTORIC PROPERTIES

With the exception of C-10 (Junipero Canal) no listed state or federal historically or architecturally significant structures, landmarks or points of interest have been identified within or adjacent to the project locations. For C-10, a portion of a NRHP historic district (P-01-011624, the Niles Canyon Transcontinental Railroad Historic District) crosses the canal.

### NATIVE AMERICAN (see Attachments)

The Native American Heritage Commission (NAHC) was contacted for a search of the *Sacred Lands File* for the project locations in August 2019 (Busby 2019a). The review was negative (Totton 2019). Letters and emails soliciting additional information were sent to the seven knowledgeable Native American individuals/groups recommended by the NAHC (Busby 2019b-h).

The addition of two project locations required a second request to the NAHC in December (Busby 2019i). The review was also negative (Gonzales-Lopez 2019). As recommended by the NAHC seven knowledgeable Native American individuals/organizations were contacted (Busby 2019j-p). Valentin Lopez, Chairperson, Amah Mutsun Tribal Band was omitted from the NAHC December list while Tony Cerda, Chairperson, Costanoan Rumsen Carmel Tribe, was listed by the NAHC and contacted regarding the two additional locations. Monica Arellano replaced Charlene Nijmeh as the contact for the Muwekma Ohlone Indian Tribe of the San Francisco Bay Area,

Valentin Lopez, Chairperson, Amah Mutsun Tribal Band;  
Irene Zwierlein, Chairperson, Amah Mutsun Tribal Band of Mission San Juan Bautista;  
Ann Marie Sayers, Chairperson, Indian Canyon Mutsun Band of Costanoan, Hollister;  
Charlene Nijmeh, Chairperson, Muwekma Ohlone Indian Tribe of the San Francisco Bay Area, Castro Valley;  
Monica Arellano, Muwekma Ohlone Indian Tribe of the San Francisco Bay Area, Castro Valley (2<sup>nd</sup> NAHC list);  
Katherine Erolinda Perez, Chairperson, North Valley Yokuts Tribe, Linden;  
Corrina Gould, Chairperson, The Confederated Villages of Lisjan, Oakland;  
Andrew Galvan, The Ohlone Indian Tribe, Fremont; and,  
Tony Cerda, Chairperson, Costanoan Rumsen Carmel Tribe, Pomona.

Responses were received from two Native Americans:

Michelle Zimmer, Enrollment and Communications Officer of the Amah Mutsun Tribal Band of Mission San Juan Bautista, responded via email on August 28, 2019 in regard to the letter of inquiry sent to Irene Zwierlein, Chairperson of the Tribal Band. A follow up telephone conversation was initiated on August 30 with Christopher Canzonieri, Basin Research Associates. Ms. Zwierlein recommended that the construction crew receive cultural sensitivity training in areas that may yield potential prehistoric cultural material and that archaeologists on the project have experience in Northern and Central California

archaeology. The retention of a qualified and trained Native American Monitor is recommended if Native American cultural materials are discovered.

Katherine Erolinda Perez, Chairperson, North Valley Yokuts Tribe, emailed “Mitigation Measures from our Native American perspective” on September 29, 2019. The attachments consisted of Tribal Cultural Resource Avoidance MM [Mitigation Measures], Tribal Cultural Resource-Awareness Training MM, N.A. [Native American] Monitoring MM, and Inadvertent Discoveries MM.

No other responses were received in regard to the inquiries.

## ARCHAEOLOGICAL SURVEY

The 25 locations were screened for the presence/absence of cultural resource based on a literature and archive review. Potential project locations subject to future permitting by the U.S. Army Corps of Engineers (USACE) were subject to a field review. A field inventory of Locations C-01 to C-13 was completed by Christopher Canzonieri (MA, RPA) to meet future USACE permitting requirements on August 5-6 and December 17, 2019.

Field transects were spaced approximately 3-5 meters apart depending on project location. Transect orientation varied from east to west and north to south depending on the topography and location. In general an attempt was made to access the creek bed and banks and to walk the perimeter/banks of the detention ponds. An additional 25-foot buffer was also surveyed whenever possible at each project location. Concrete and/or corrugated steel pipe culverts were present throughout the canals, channels, and creeks surveyed, ranging in size from 24-72 inches in diameter.

No evidence of prehistoric and/or combined prehistoric/historic features, isolates or sites or cultural sediments was observed in or adjacent to the project locations during the field review of the 13 locations.

## FINDINGS AND CONCLUSION

This *Initial Screening Memo* was prepared to identify potentially significant archaeological resources listed on or potentially eligible for the California Register of Historical Resources (CRHR)<sup>1</sup> within or adjacent to the proposed project locations. A review of the built environment was not completed as the proposed improvements will not result in any detrimental impacts to buildings and structures that could affect either their eligibility or potential eligibility for listing on the CRHR. The research identified three project locations (C-02, C-10 and C-14) with recorded resources:

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1. A historical resource or archaeological resource may be listed in the California Register of Historical Resources if it meets one or more of the following criteria: "(1) it is associated with events that have made a significant contribution to the broad patterns of local or regional history, or the cultural heritage of California or the United States; (2) it is associated with the lives of persons important to local, California or national history; (3) it embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of a master or possesses high artistic values; or, (4) it has yielded or has the potential to yield information important in the prehistory or history of the local area, California or the nation."

- C-02** *Pleasanton Canal* (P-01-01775) – Earth channelized flood control and drainage canal modified and constructed in the mid-1980s. Not eligible for the NRHP under any of the criteria.
- C-10** *Junipero Canal* – Earth flood control and drainage that intersect the Niles Canyon Transcontinental Railroad Historic District (P-01-011624) which is eligible for the NRHP under Criterion a. Canal does not affect any of the criteria that contribute to the eligibility of the district for the NRHP.
- CA-ALA-0631* (P-01-00610) – Native American burial site (Berkeley and Augustine Pattern) with possible minor non-permanent prehistoric occupation and some historic features dating between 1880-1920. Archaeological recovery of 469 burials prior to and during residential development in 2003 resulted in removal of approximately 95% of the resource which may have been previously truncated by railroad construction in the late 1860s. The Native American remains are reburied nearby within the development.
- C-14** *CA-ALA-0043* (P-01-00063) – The De Avillo Site, a prehistoric resource, is mapped as including part of Dublin Creek and crossing Dublin Canyon Road in the eastern portion of C-14. The site was recorded in 1950 along the north side of Dublin Canyon Road just north of “BM 442” on the USGS Dublin topographic quadrangle. The resource was described as a "large area of dark loose loam with large quantities of fire broken rock" along with two pestles, two shells, and "some dubious stone artifacts" observed in a 180 x 150? area. Mortars were also reported along with burials which had been washed out "50 years ago." The site was mapped in 1976 as definitely north of Dublin Canyon Road closer to Interstate 580 (see Holman and Chavez 1976). Hampson (1986, 1987) observed a “. . . pestle fragment and a few scattered fragments of thermally altered rock.” auger tested and excavated the site resulting the recovery of a single obsidian fragment. Self and Wills (1999) combined the 1950 location with Hampson’s location (1986, 1987) placing the larger site configuration as extending to the north side of Dublin Canyon Road (see Busby 2018). The C-14 (east) location is within the “Area of Site Destroyed by Subdivision Development.”

The conclusion of this *Initial Screening Memo* is that the proposed maintenance actions do not appear to have a potential to significantly affect any recorded archaeological resources.

## MANAGEMENT RECOMMENDATIONS

The proposed improvements will not affect any historic properties or unique archaeological resources. No subsurface testing for buried archaeological resources appears necessary at this time. The following protection measures are recommended.

- (a) The project proponent shall note on any plans that require ground disturbing excavation that there is a potential for exposing buried prehistoric or historic cultural resources including prehistoric Native American burials at:
  - (1) C-10 (CA-ALA-0631) - remnants of Native American burial site listed as 95% removed in 2003.

- (2) C-14 (East) (CA-ALA-0043) – possible prehistoric occupation site with potential for Native American burials. C-14 (East) location for improvements is within the “Area of Site Destroyed by Subdivision Development.”
- (b) The project proponent shall retain a Professional Archaeologist on an “on-call” basis during ground disturbing construction for other areas of the project site to review, identify and evaluate cultural resources that may be inadvertently exposed during construction. The archaeologist shall review and evaluate any discoveries to determine if they are historical resource(s) and/or unique archaeological resources under the California Environmental Quality Act (CEQA).
- (c) If the Professional Archaeologist determines that any cultural resources exposed during construction constitute a historical resource and/or unique archaeological resource under CEQA, he/she shall notify the project proponent and other appropriate parties of the evaluation and recommend mitigation measures to mitigate to a less-than significant impact in accordance with California Public Resources Code Section 15064.5. Mitigation measures may include avoidance, preservation in-place, recordation, additional archaeological testing and data recovery among other options. The completion of a formal *Archaeological Monitoring Plan* (AMP) and/or *Archaeological Treatment Plan* (ATP) that may include data recovery may be recommended by the Professional Archaeologist if significant archaeological deposits are exposed during ground disturbing construction. Development and implementation of the AMP and ATP and treatment of significant cultural resources will be determined by the project proponent in consultation with any regulatory agencies.
- (d) The treatment of human remains and any associated or unassociated funerary objects discovered during any soil-disturbing activity within the project site shall comply with applicable State laws. This shall include immediate notification of the appropriate county Coroner/Medical Examiner and the project proponent.
- (e) A *Monitoring Closure Report* shall be filed with the project proponent at the conclusion of ground disturbing construction if archaeological and Native American monitoring of excavation was undertaken.

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Abbreviations

n.d. no date      v.d. various dates      N.P. no publisher noted  
n.p. no place of publisher noted

CHRIS/NWIC is used for material on file at the California Historical Resources Information System, Northwest Information Center, Sonoma State University, Rohnert Park.



## **ATTACHMENTS**

### **FIGURES**

- FIGURE 1 General Project Locations (ESRI World Street Map)
- FIGURE 2A Project Locations T3S R1W-1E (USGS Dublin, Calif. 1980)
- FIGURE 2B Project Locations T3S R1E (USGS Dublin, Calif. 1980 and Livermore, Calif. 1980)
- FIGURE 2C Project Locations T3S R1E (USGS Livermore, Calif. 1980)
- FIGURE 2D Project Locations T3S R1E (USGS Dublin, Calif. 1980; Livermore, Calif. 1980; Niles, Calif. 1980; La Costa Valley, CA 1996)

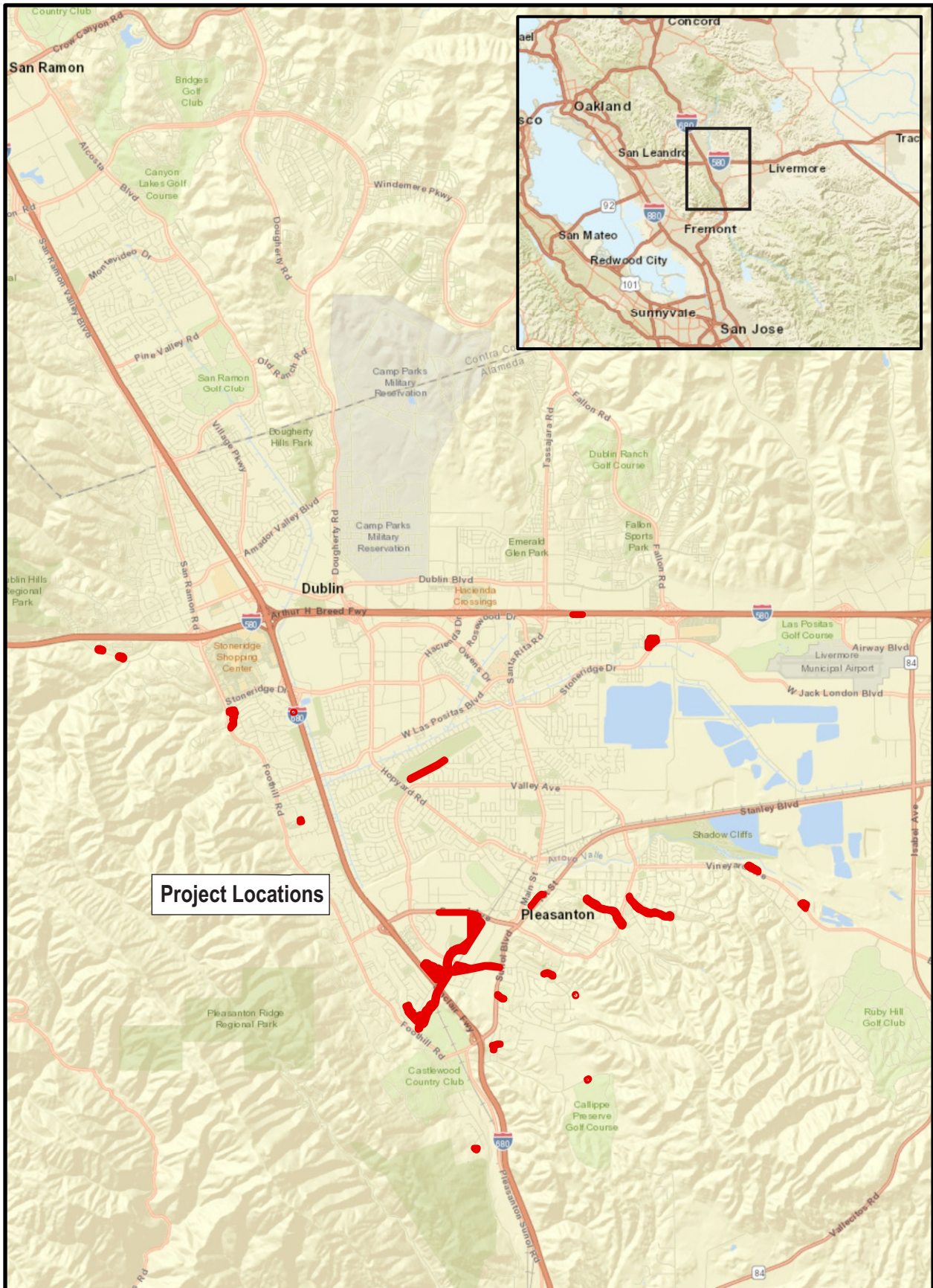


Figure 1: General Project Locations (ESRI World Street Map)



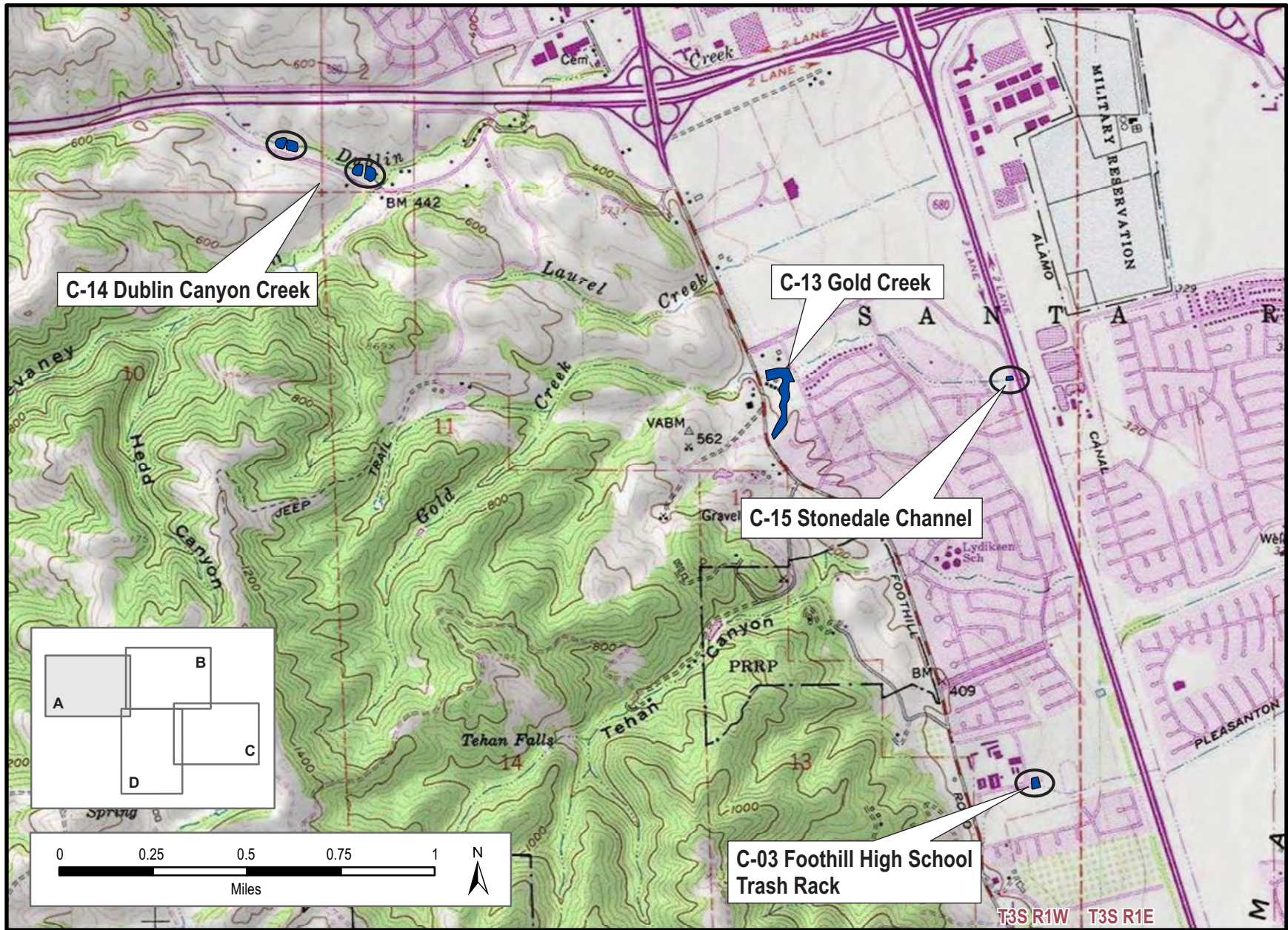


Figure 2A: Project Locations T3S R1W-1E (USGS Dublin, Calif. 1980)



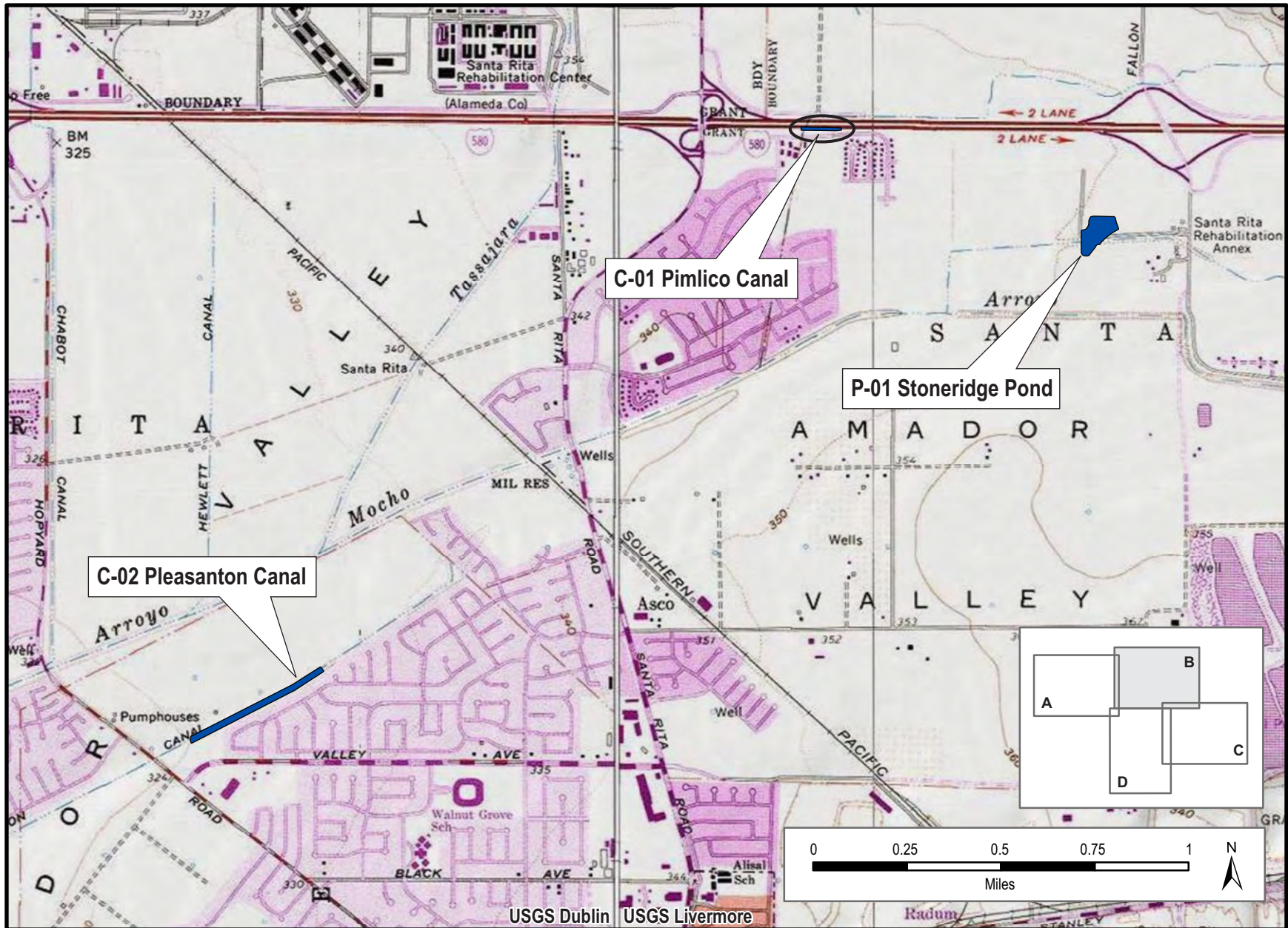


Figure 2B: Project Locations T3S R1E (USGS Dublin, Calif. 1980 and Livermore, Calif. 1980)



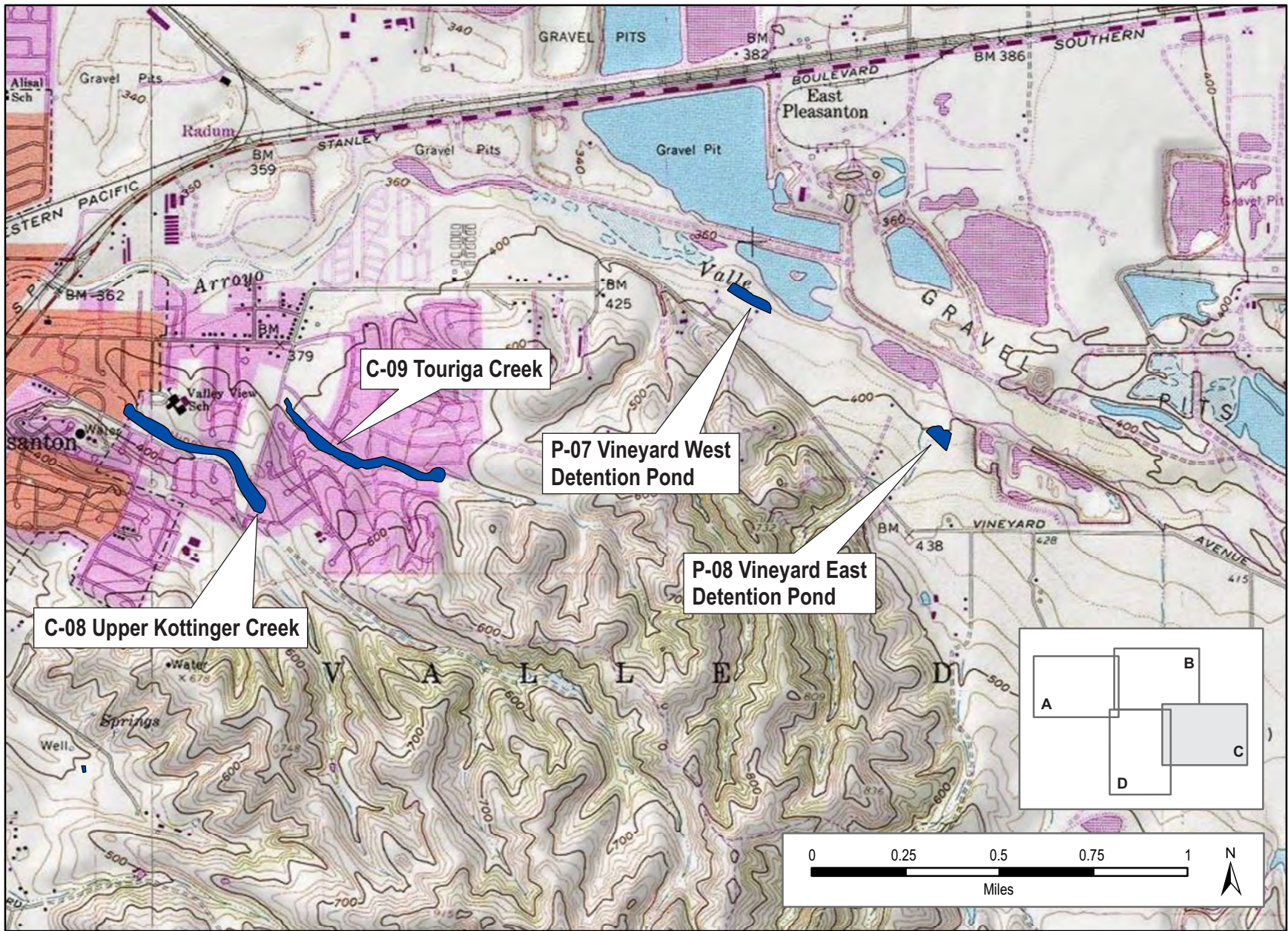


Figure 2C: Project Locations T3S R1E (USGS Livermore, Calif. 1980)



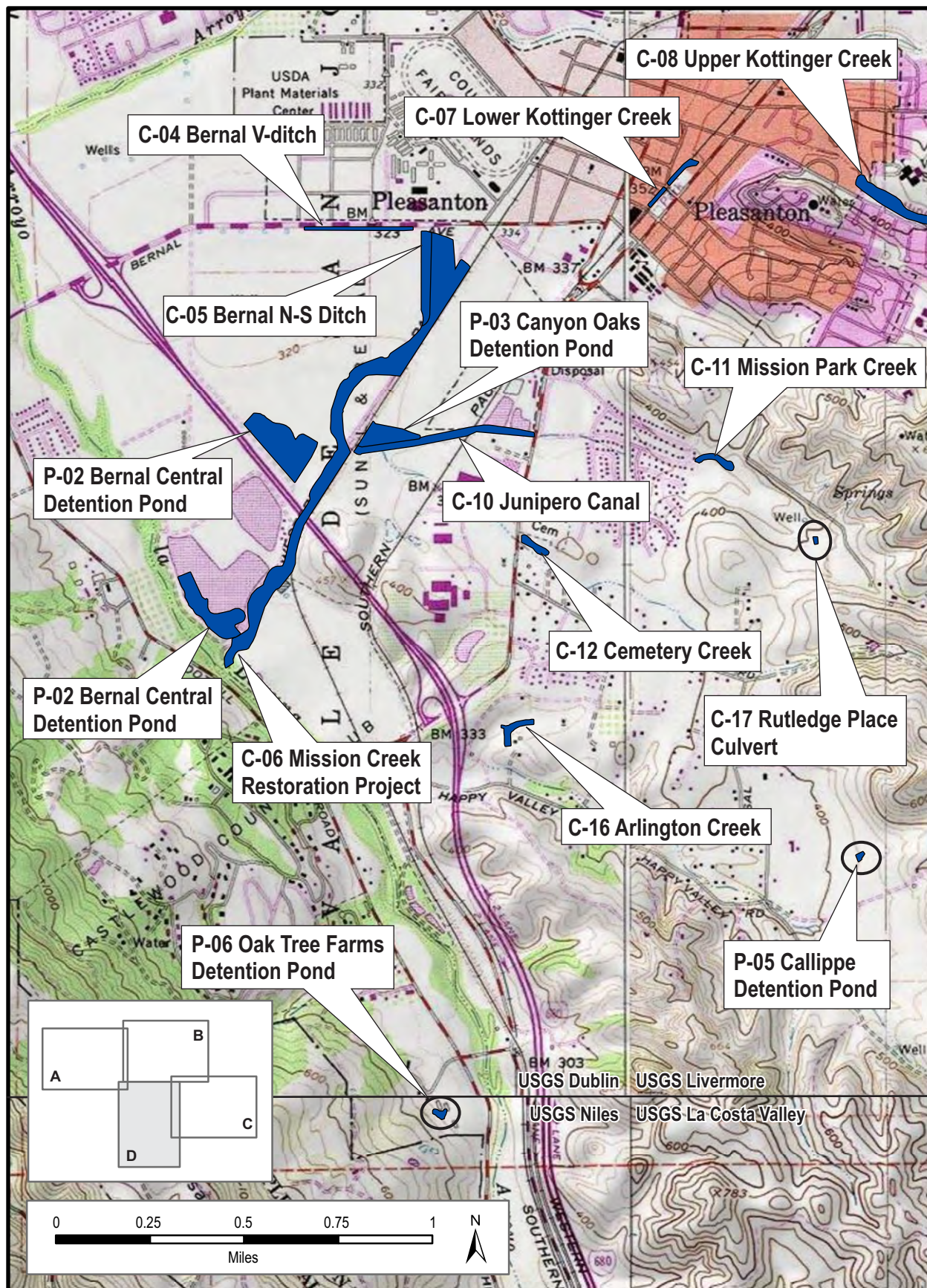


Figure 2D: Project Locations T3S R1E (USGS Dublin, Calif. 1980; Livermore, Calif. 1980; Niles, Calif. 1980; La Costa Valley, CA 1996)