

Sources: ESRI World Topo, WRA | Prepared By: JSChuster, 10/26/2020

Figure 1. Study Area Location Map

City of Pleasanton
 Stream Maintenance Program
 Alameda County, California

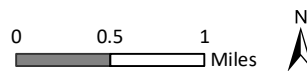


Table 1 Maintenance Areas

Study Area Number	Study Area/Waterbody Name	Location Coordinates (Latitude)	Location Coordinates (Longitude)	Waterbody Connection
Creeks				
C-01	Pimlico Canal	37.7011	-121.8663	Tassajara Creek
C-02	Pleasanton Canal	37.6787	-121.8941	Arroyo Mocho
C-03*	Foothill High School Trash Rack	37.6717	-121.9166	Arroyo de la Laguna
C-04*	Bernal V-ditch	37.6583	-121.8897	Arroyo Valle
C-05*	Bernal North/ South V-ditch	37.6564	-121.8859	Mission Creek
C-06	Mission Creek Restoration Project	37.6496	-121.89	Mission Creek
C-07*	Lower Kottinger Creek	37.6613	-121.8699	Kottinger Creek
C-08*	Upper Kottinger Creek	37.6586	-121.8614	Kottinger Creek
C-09	Touriga Creek	37.6581	-121.8537	Touriga Creek
C-10*	Junipero Canal	37.6503	-121.8852	Mission Creek
C-11*	Mission Park Creek	37.6495	-121.8719	Mission Creek
C-12*	Cemetery Creek	37.6461	-121.8807	Mission Creek
C-13*	Gold Creek	37.6867	-121.9289	Gold Creek
C-14*	Dublin Canyon Creek	37.6954	-121.9495	Dublin Creek
C-15	Stonedale Channel	37.6873	-121.9178	Gold Creek
C-16*	Arlington Creek	37.6392	-121.8816	Happy Valley Creek
C-17	Rutledge Place Culvert	37.6462	-121.867	Mission Creek
Detention Ponds				
P-01	Stoneridge Pond	37.6971	-121.8528	Arroyo Las Positas/ Arroyo Mocho
P-06*	Oak Tree Farms Detention Pond	37.6243	-121.8852	Arroyo de la Laguna
Potentially Non-jurisdictional Detention Ponds				
P-02*	Bernal Detention Pond Central	37.6499	-121.8928	
P-03	Canyon Oaks Detention Pond	37.6504	-121.8878	
P-04*	Bernal West Detention Pond	37.6435	-121.8965	
P-05	Callippe Detention Pond	37.6339	-121.8647	
P-07	Vineyard West Detention Pond	37.6644	-121.8364	
P-08*	Vineyard East Detention Pond	37.6591	-121.8253	

*may require dewatering / coffer dams or minor grading

Table 3. Project Activity and Frequency

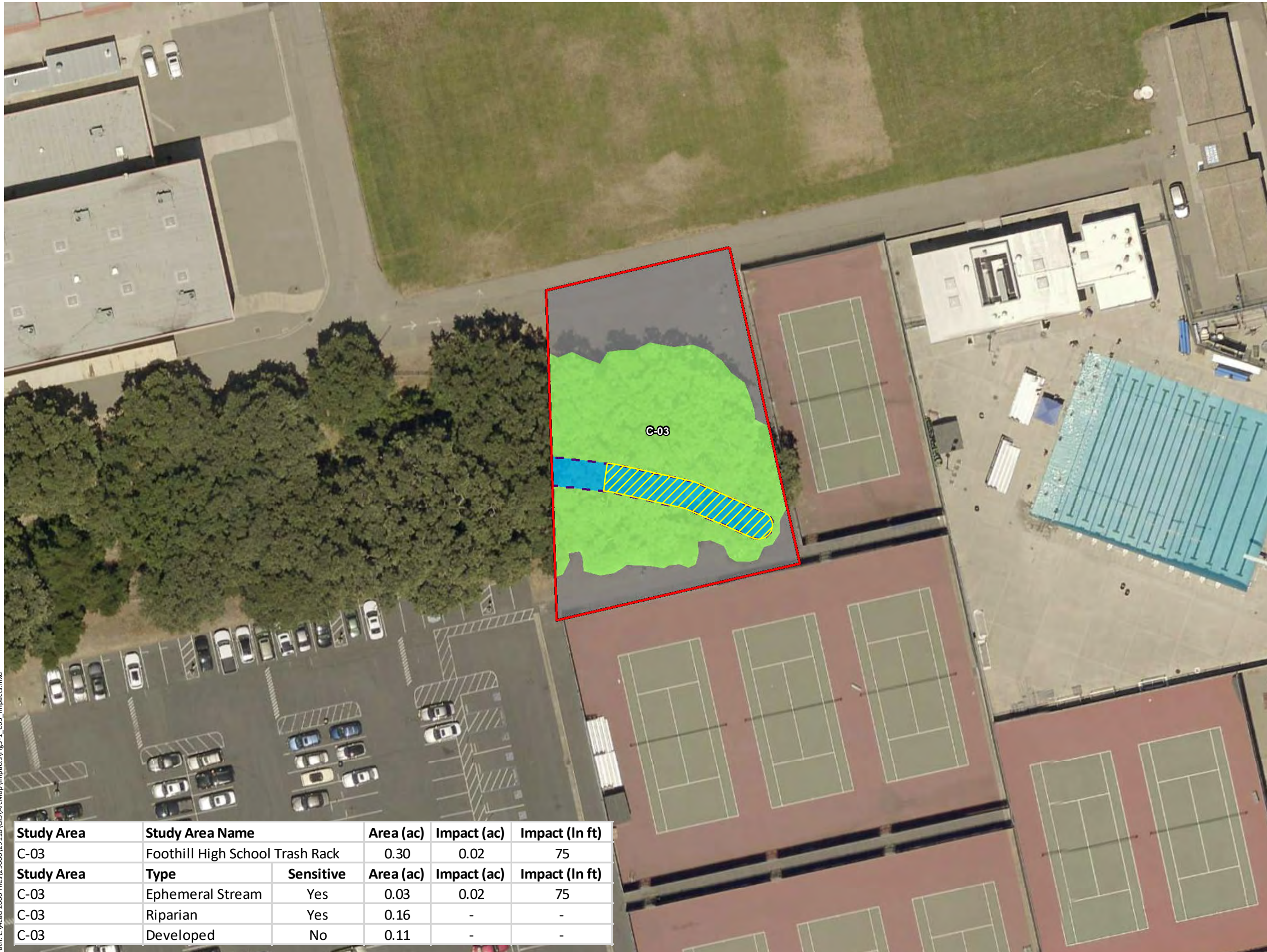
Project Location	Activity	Annual	Routine (every 3 years)	Occasional (Approximately every 5 years)	Impacts to Waters of the U.S./State (ac/ lf) (Permanent "P" or Temporary "T")
C-01	Trash removal entire site as needed; Mowing/ weed abatement on channel bottom.	Trash removal	Mowing		N/A
C-02	Trash removal entire site; Mowing of banks and bottom of channel.	Trash removal			N/A
C-03	Removal of debris and vegetation at and around trash rack. Dewatering as needed at west end of silt/ rock/ debris removal area.	Mowing		Silt/ Rock/ Debris removal	0.02 ac/ 75 lf (T)
C-04	Trash removal entire site; Mowing on banks and bottom of ditch.	Trash removal/ herbicide application, mowing		Silt/ Rock/ Debris removal	N/A
C-05	Trash removal entire site; mowing on banks and bottom of channel. Dewatering at the north end of channel at inlet pipes.	Trash removal	Mowing	Silt/ Rock/ Debris removal	0.01 ac/ 80 lf (T)
C-06	Trash removal entire site; Maintenance in this area will only be performed as needed for flood prevention	Trash removal			N/A
C-07	Parks Contractor performs weed abatement on the creek banks and performs tree pruning (to support tree health for public safety), and trash removal for entire site.	Trash removal, mowing, tree pruning, tule removal			N/A
C-08	Parks Contractor performs weed abatement on the creek banks and performs tree pruning (to support tree health for public safety), and trash removal for entire site.	Trash removal, mowing, tree pruning, tule removal			N/A
C-09	Parks Contractor performs weed abatement on the roadway above the creek.	Mowing			N/A
C-10	Trash removal entire site; Dewatering for Section 1 and 2.	Trash removal, dewatering and tule removal in Section 1	Dewatering and tule removal every other year in Section 2		1.16 ac/ 2,372 lf (P)

City of Pleasanton Stream and Pond Maintenance Project

Project Location	Activity	Annual	Routine (every 3 years)	Occasional (Approximately every 5 years)	Impacts to Waters of the U.S./State (ac/ lf) (Permanent "P" or Temporary "T")
C-11	Trash removal entire site. Park staff trims weeds along stream bank. Tree pruning for tree health/public safety entire site. Dewatering stormwater pond and stream.	Trash removal, mowing, tree pruning, dewatering, tule removal			0.14 ac/ 246 lf (P)
C-12	Trash removal entire site as needed. Mowing banks and channel bottom entire site.	Trash removal, mowing		Silt/ rock/ debris removal	N/A
C-13	Trash removal entire site as needed	Trash removal		Silt/ rock/ debris removal	N/A
C-14	No work activities. Trash removal entire site if needed. Tree pruning entire site. Dewatering west and east side of bridge within silt/ rock/ debris area	Trash removal		Tree pruning, silt/ rock/ debris removal	0.02 ac/ 60 lf (T)
C-15	Trash removal entire site as needed; Mowing on channel bottom.	Trash removal	Mowing		N/A
C-16	Silt/debris removal only.			Silt/ debris removal	N/A
C-17	Debris removal only.			Debris removal	N/A
P-01	Parks Contractor trims 2 feet from fenceline, performs weed in basin as-needed, conduct herbicide applications, and perform tree pruning to maintain tree health for entire site.	Trash removal, tree pruning, mowing			N/A
P-02*	Trash removal entire site. Mowing on bank and bottom of basin. Dewatering as needed at northern inlet and southern inlet.	Tree removal, dewatering	Mowing, tule removal	Silt/ rock/ debris removal	N/A
P-03	Trash removal entire site. Mowing on banks and bottom of basin	Trash removal, mowing			N/A
P-04	Trash removal entire site. Mowing of banks and bottom of basin. Dewatering northern inlet and southern inlet.	Trash removal, dewatering	Mowing, tule removal	Silt/ rock/ debris removal	N/A
P-05	Trash removal entire site. Mowing entire site.	Trash removal, mowing			N/A

City of Pleasanton Stream and Pond Maintenance Project

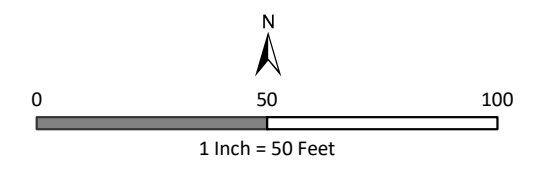
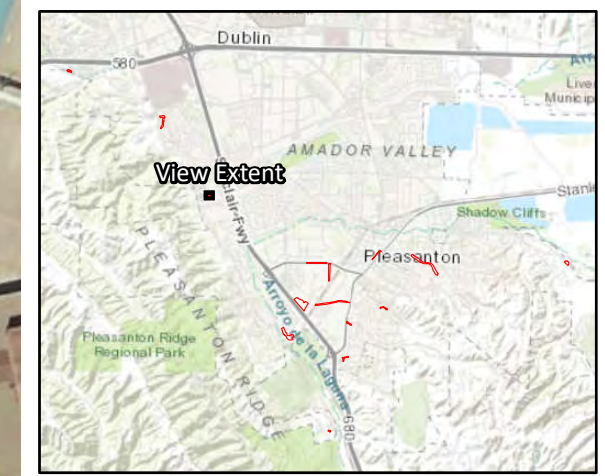
Project Location	Activity	Annual	Routine (every 3 years)	Occasional (Approximately every 5 years)	Impacts to Waters of the U.S./State (ac/ lf) (Permanent "P" or Temporary "T")
P-06	Trash removal entire site. Dewatering at west half of silt/rock/debris work area.	Dewatering, rock/ silt removal			0.02 ac/ 46 lf (T)
P-07	Trash removal entire site. Mowing on banks and bottom of basin.	Trash removal, mowing			N/A
P-08*	Trash removal entire site. Mowing on banks and bottom of basin. Dewatering of first basin.	Trash removal, mowing	Dewatering, tule removal		N/A



**Figure 3-1.
Project Impacts
(C-03)**

City of Pleasanton
Stream Maintenance Program
Alameda County, California

- Study Area
- Impact Footprint
- Top of Bank
- Sensitive**
- Ephemeral Stream
- Riparian
- Non-sensitive**
- Developed



Study Area	Study Area Name	Area (ac)	Impact (ac)	Impact (In ft)	
C-03	Foothill High School Trash Rack	0.30	0.02	75	
Study Area	Type	Sensitive	Area (ac)	Impact (ac)	Impact (In ft)
C-03	Ephemeral Stream	Yes	0.03	0.02	75
C-03	Riparian	Yes	0.16	-	-
C-03	Developed	No	0.11	-	-

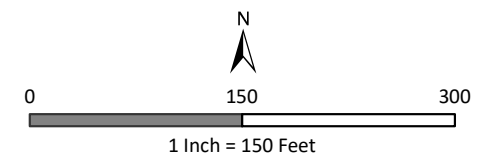
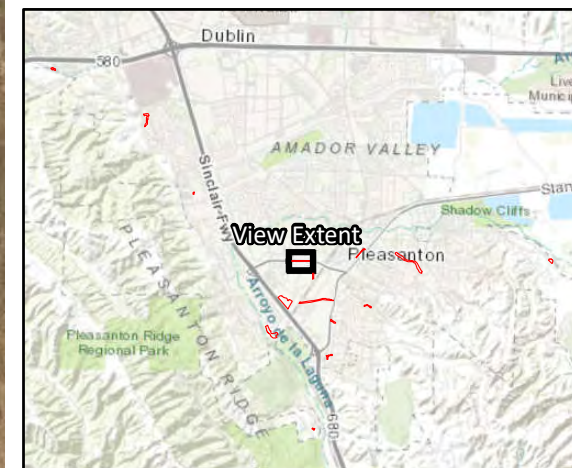
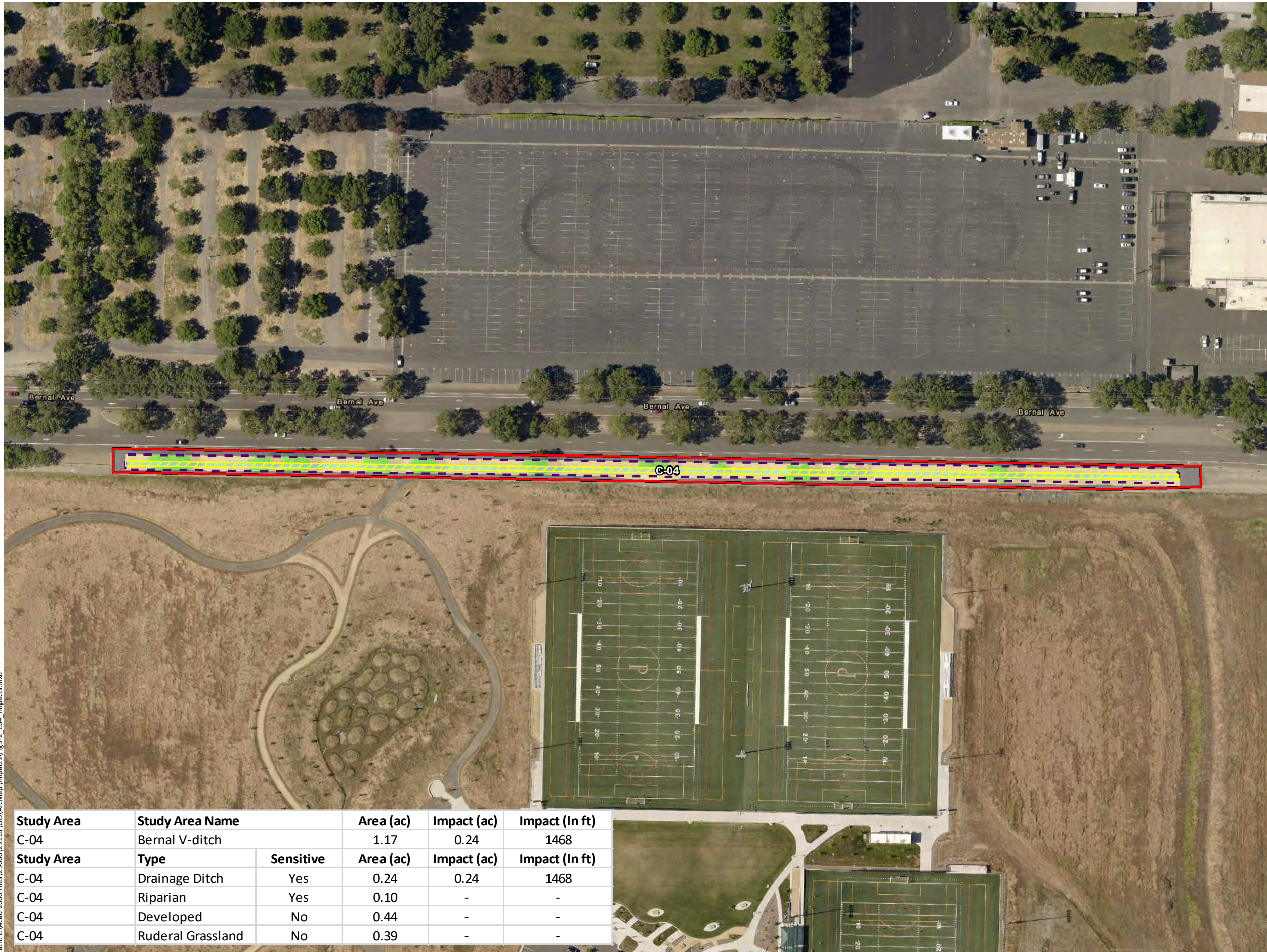
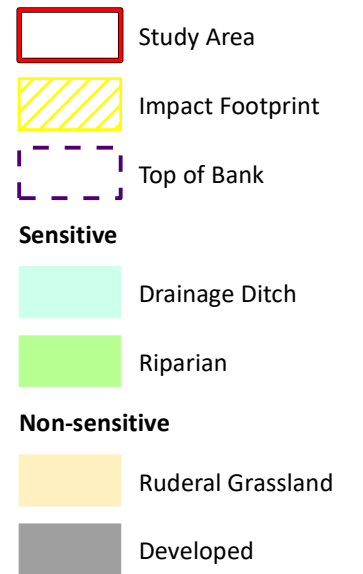
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Sources: Alameda County 2017, WRA | Prepared By: mweidenbach, 6/10/2020



**Figure 3-2.
Project Impacts
(C-04)**

City of Pleasanton
Stream Maintenance Program
Alameda County, California

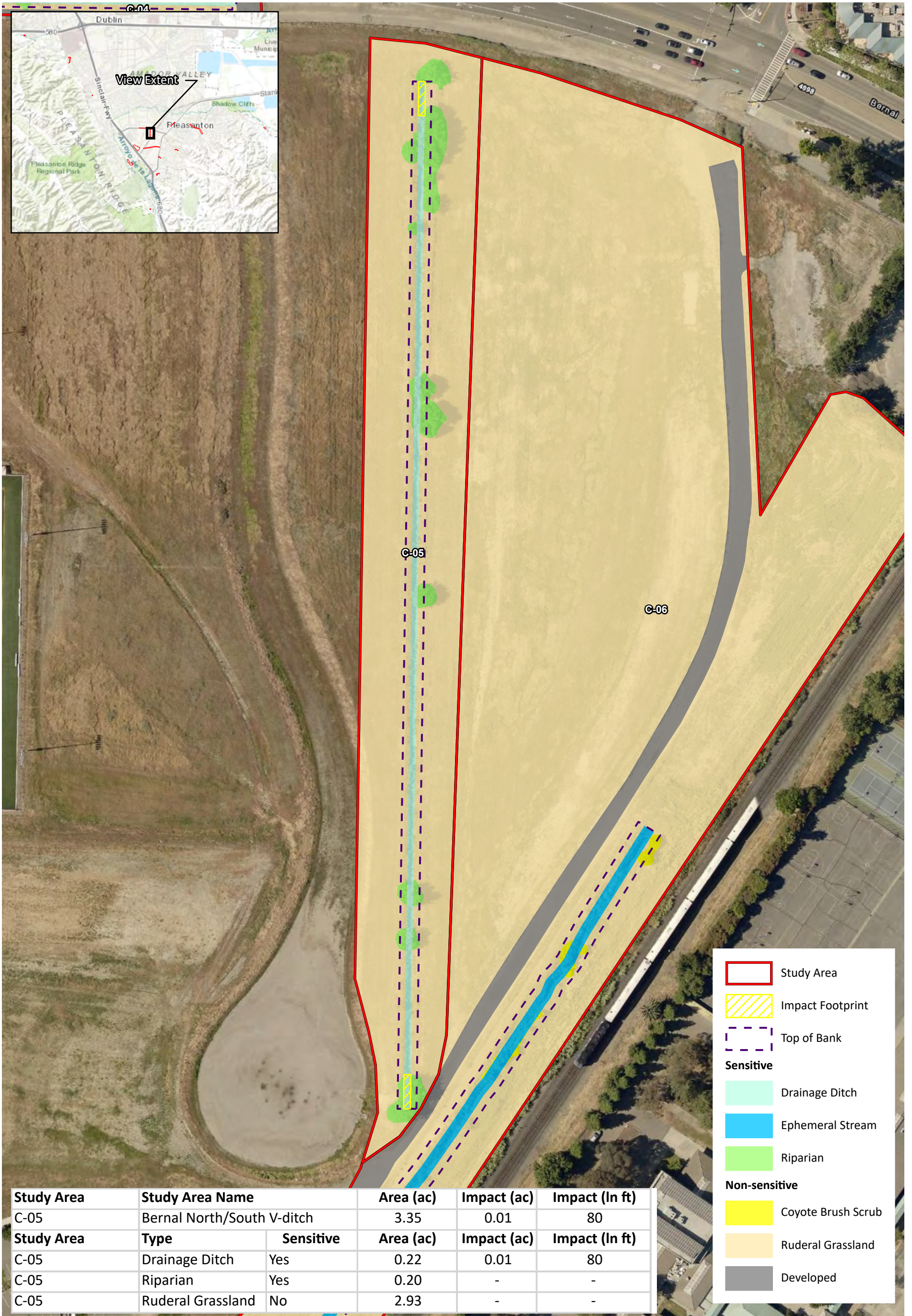


Study Area	Study Area Name	Area (ac)	Impact (ac)	Impact (ln ft)	
C-04	Bernal V-ditch	1.17	0.24	1468	
Study Area	Type	Sensitive	Area (ac)	Impact (ac)	Impact (ln ft)
C-04	Drainage Ditch	Yes	0.24	0.24	1468
C-04	Riparian	Yes	0.10	-	-
C-04	Developed	No	0.44	-	-
C-04	Ruderal Grassland	No	0.39	-	-

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Sources: Alameda County 2017, WRA | Prepared By: mweidenbach, 6/10/2020





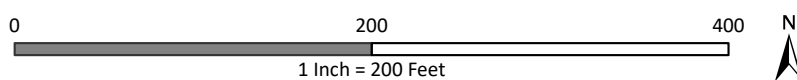
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Study Area	Study Area Name	Area (ac)	Impact (ac)	Impact (ln ft)	
C-05	Bernal North/South V-ditch	3.35	0.01	80	
Study Area	Type	Sensitive	Area (ac)	Impact (ac)	Impact (ln ft)
C-05	Drainage Ditch	Yes	0.22	0.01	80
C-05	Riparian	Yes	0.20	-	-
C-05	Ruderal Grassland	No	2.93	-	-

Sources: Alameda County 2017, WRA | Prepared By: njander, 5/25/2021

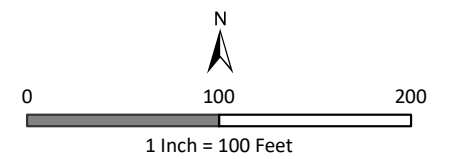
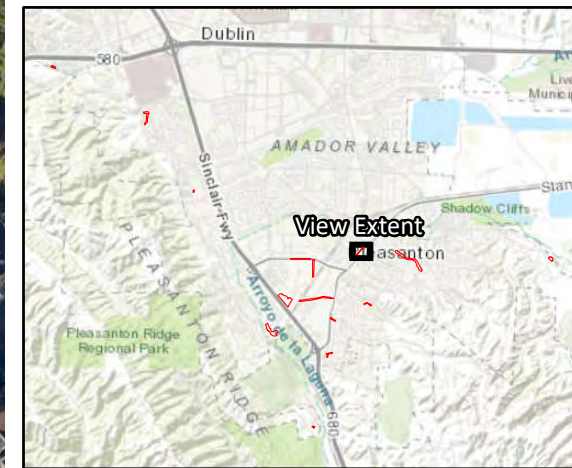
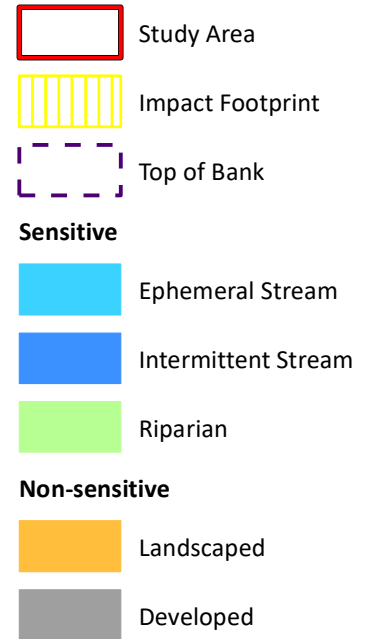
Figure 3-3. Project Impacts (C-05)

City of Pleasanton
Stream Maintenance Program
Alameda County, California



**Figure 3-4.
Project Impacts
(C-07)**

City of Pleasanton
Stream Maintenance Program
Alameda County, California

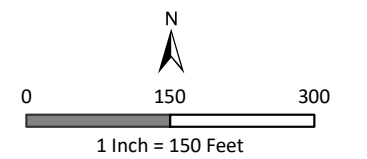
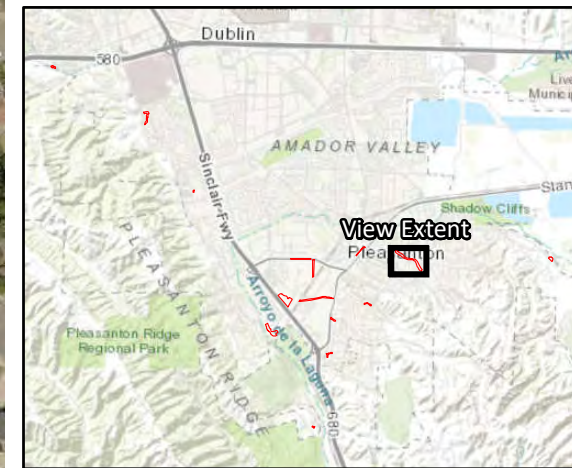
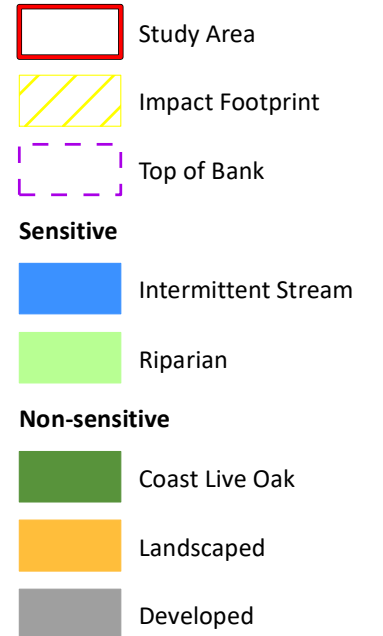


Study Area	Study Area Name	Area (ac)	Impact (ac)	Impact (In ft)	
C-07	Lower Kottinger Creek	0.92	0.06	328	
Study Area	Type	Sensitive	Area (ac)	Impact (ac)	Impact (In ft)
C-07	Ephemeral Stream	Yes	0.10	-	-
C-07	Intermittent Stream	Yes	0.06	0.06	328
C-07	Riparian	Yes	0.23	-	-
C-07	Developed	No	0.04	-	-
C-07	Landscaped	No	0.49	-	-

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**Figure 3-5.
Project Impacts
(C-08)**

City of Pleasanton
Stream Maintenance Program
Alameda County, California



Study Area	Study Area Name		Area (ac)	Impact (ac)	Impact (ln ft)
C-08	Upper Kottinger Creek		8.01	0.34	2450
Study Area	Type	Sensitive	Area (ac)	Impact (ac)	Impact (ln ft)
C-08	Intermittent Stream	Yes	0.34	0.34	2450
C-08	Riparian	Yes	3.97	-	-
C-08	Coast Live Oak	No	1.48	-	-
C-08	Developed	No	1.12	-	-
C-08	Landscaped	No	1.10	-	-

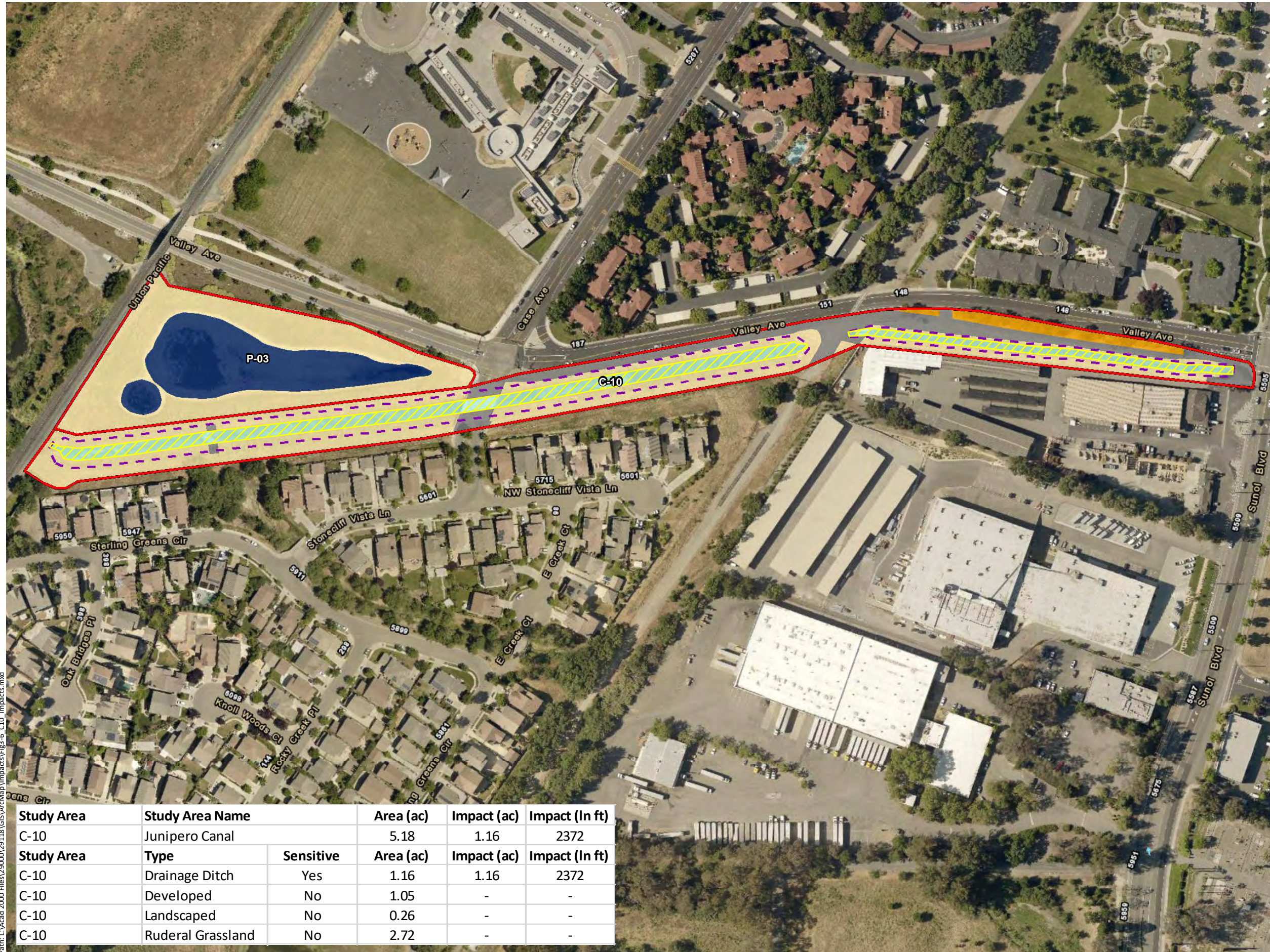
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Sources: Alameda County 2017, WRA | Prepared By: mweidenbach, 6/10/2020

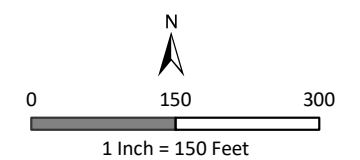
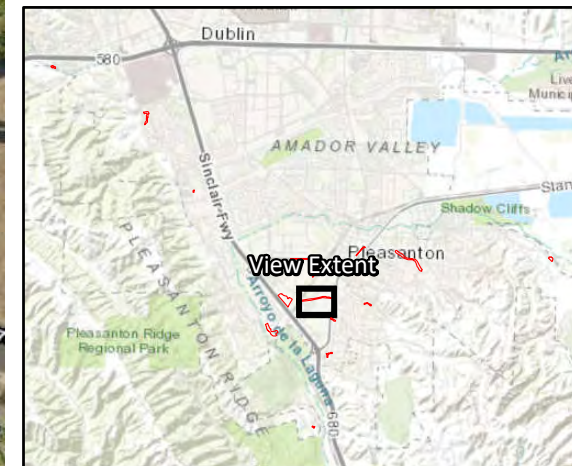


**Figure 3-6.
Project Impacts
(C-10)**

City of Pleasanton
Stream Maintenance Program
Alameda County, California



- Study Area
- Impact Footprint
- Top of Bank
- Sensitive**
- Detention Basin
- Drainage Ditch
- Non-sensitive**
- Landscaped
- Ruderal Grassland
- Developed



Study Area	Study Area Name	Area (ac)	Impact (ac)	Impact (ln ft)	
C-10	Junipero Canal	5.18	1.16	2372	
Study Area	Type	Sensitive	Area (ac)	Impact (ac)	Impact (ln ft)
C-10	Drainage Ditch	Yes	1.16	1.16	2372
C-10	Developed	No	1.05	-	-
C-10	Landscaped	No	0.26	-	-
C-10	Ruderal Grassland	No	2.72	-	-

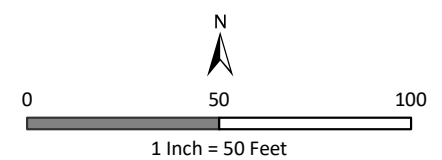
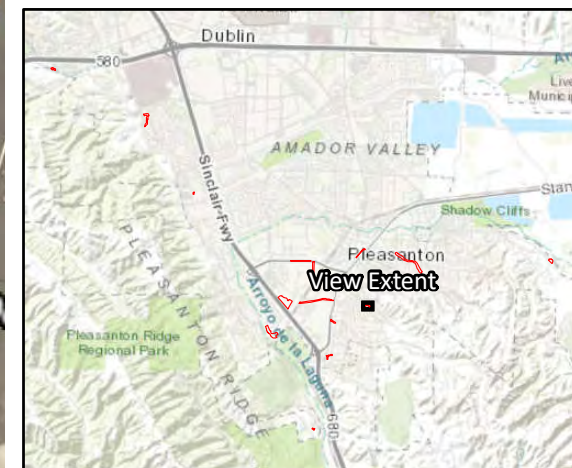
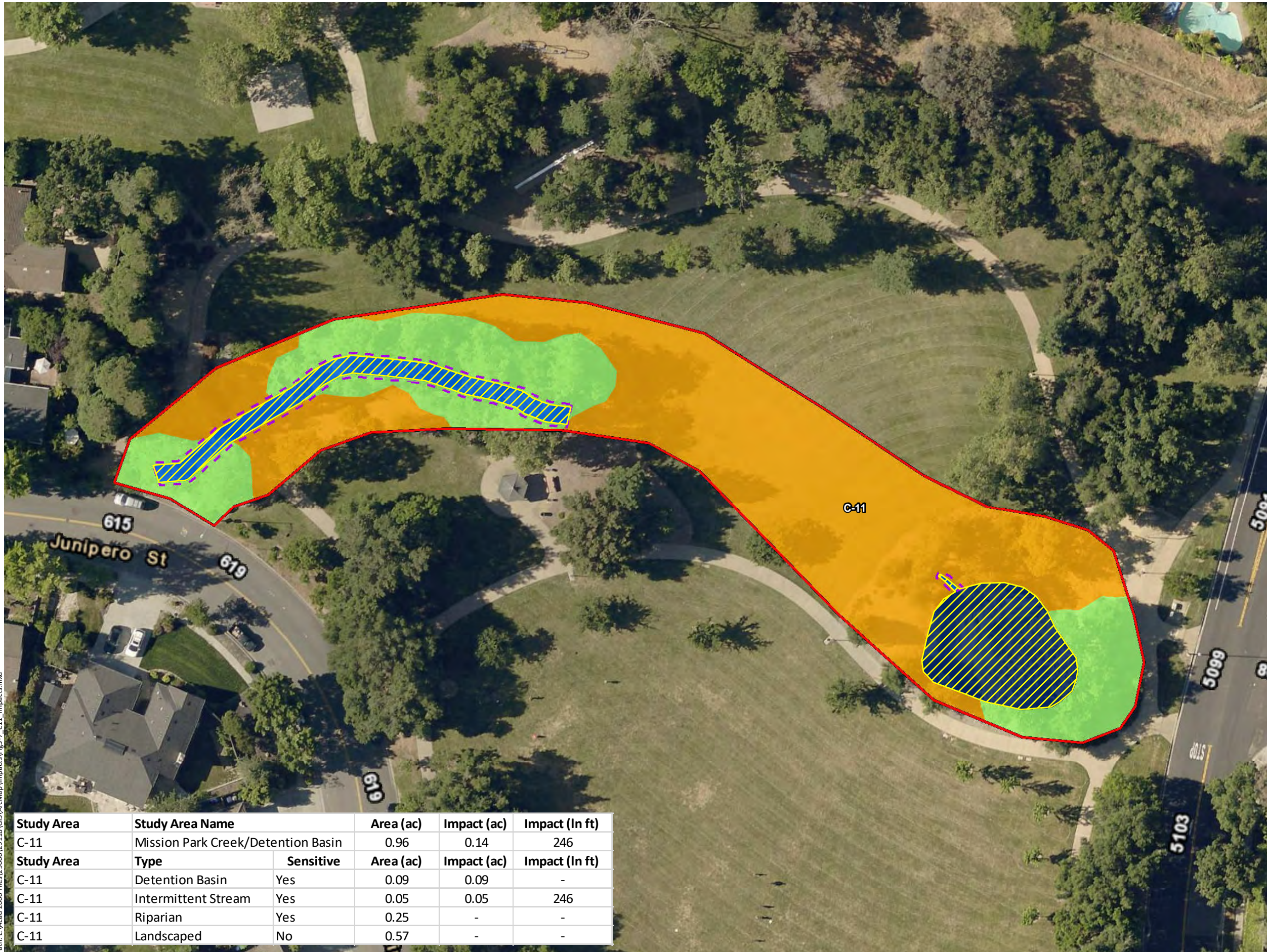
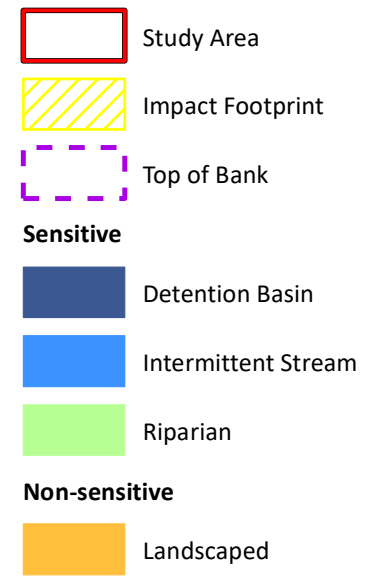
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Sources: Alameda County 2017, WRA | Prepared By: mweidenbach, 6/10/2020



**Figure 3-7.
Project Impacts
(C-11)**

City of Pleasanton
Stream Maintenance Program
Alameda County, California



Study Area	Study Area Name		Area (ac)	Impact (ac)	Impact (In ft)
C-11	Mission Park Creek/Detention Basin		0.96	0.14	246
Study Area	Type	Sensitive	Area (ac)	Impact (ac)	Impact (In ft)
C-11	Detention Basin	Yes	0.09	0.09	-
C-11	Intermittent Stream	Yes	0.05	0.05	246
C-11	Riparian	Yes	0.25	-	-
C-11	Landscaped	No	0.57	-	-

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Sources: Alameda County 2017, WRA | Prepared By: mweidenbach, 6/10/2020

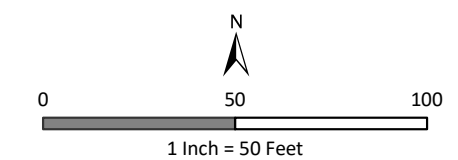
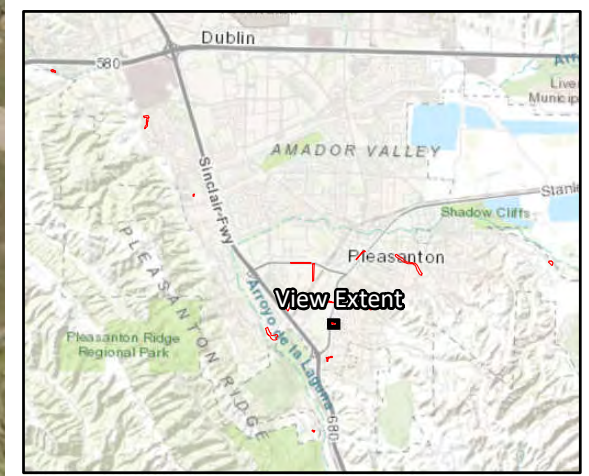




**Figure 3-8.
Project Impacts
(C-12)**

City of Pleasanton
Stream Maintenance Program
Alameda County, California

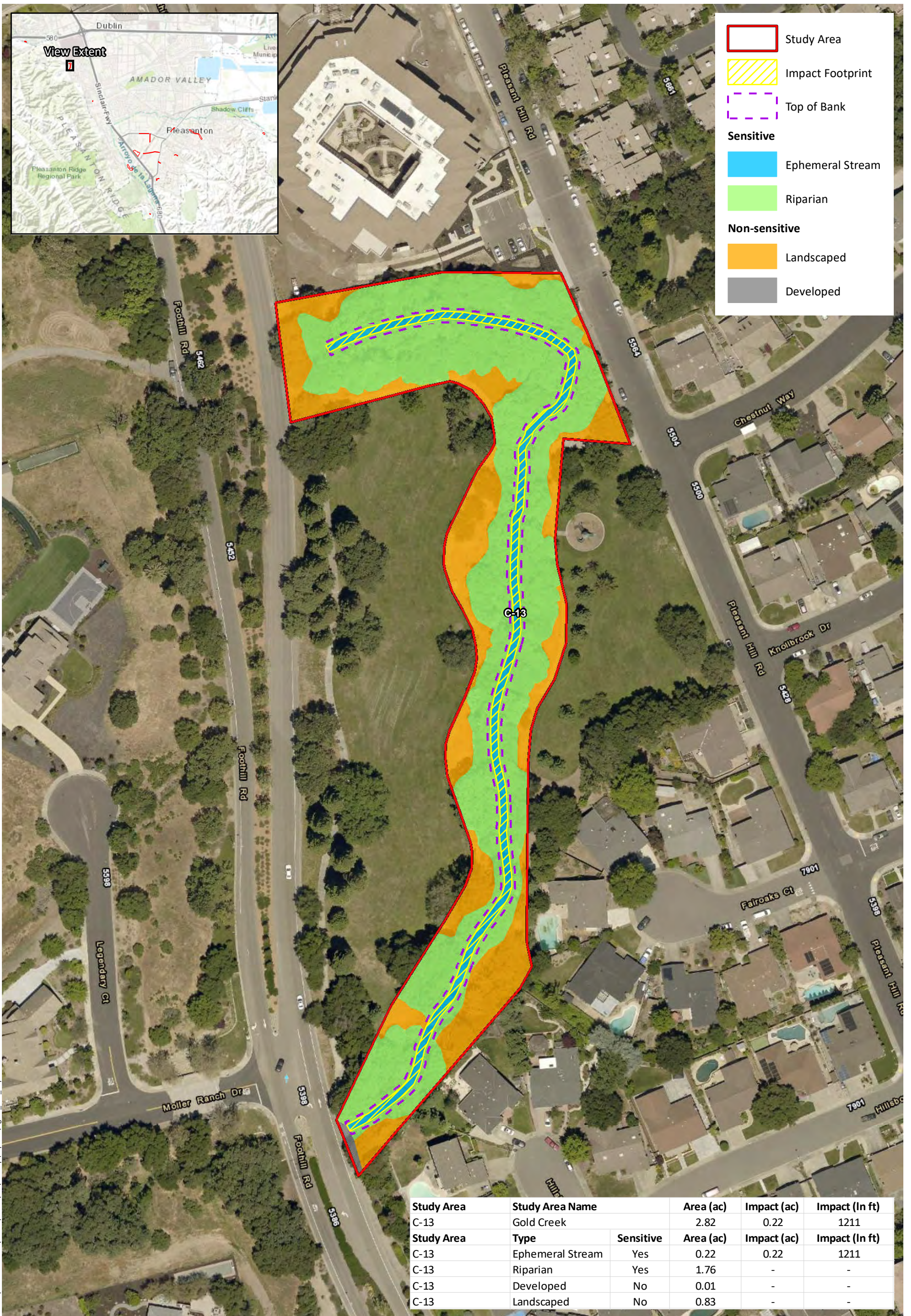
- Study Area
- Impact Footprint
- Top of Bank
- Sensitive**
- Ephemeral Stream
- Riparian
- Non-sensitive**
- Ruderal Grassland
- Developed



Study Area	Study Area Name		Area (ac)	Impact (ac)	Impact (In ft)
C-12	Cemetery Creek		0.81	0.003	20
Study Area	Type	Sensitive	Area (ac)	Impact (ac)	Impact (In ft)
C-12	Ephemeral Stream	Yes	0.05	0.003	20
C-12	Riparian	Yes	0.55	-	-
C-12	Developed	No	0.02	-	-
C-12	Ruderal Grassland	No	0.19	-	-

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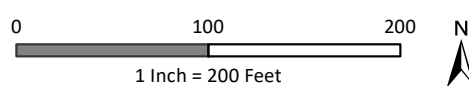




Sources: Alameda County 2017, WRA | Prepared By: mweidenbach, 6/10/2020

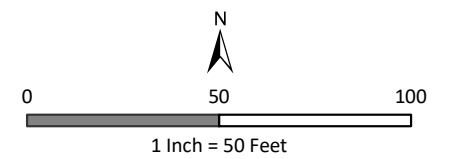
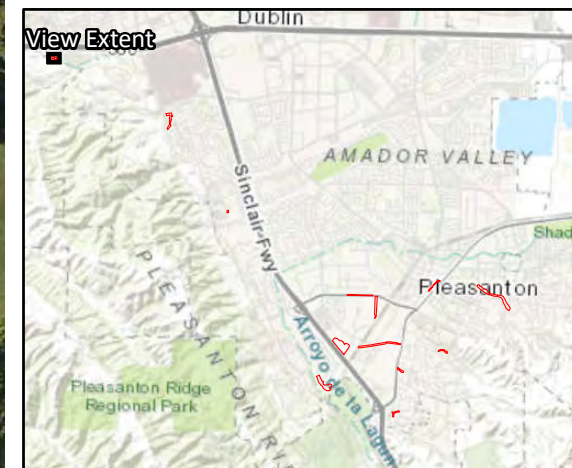
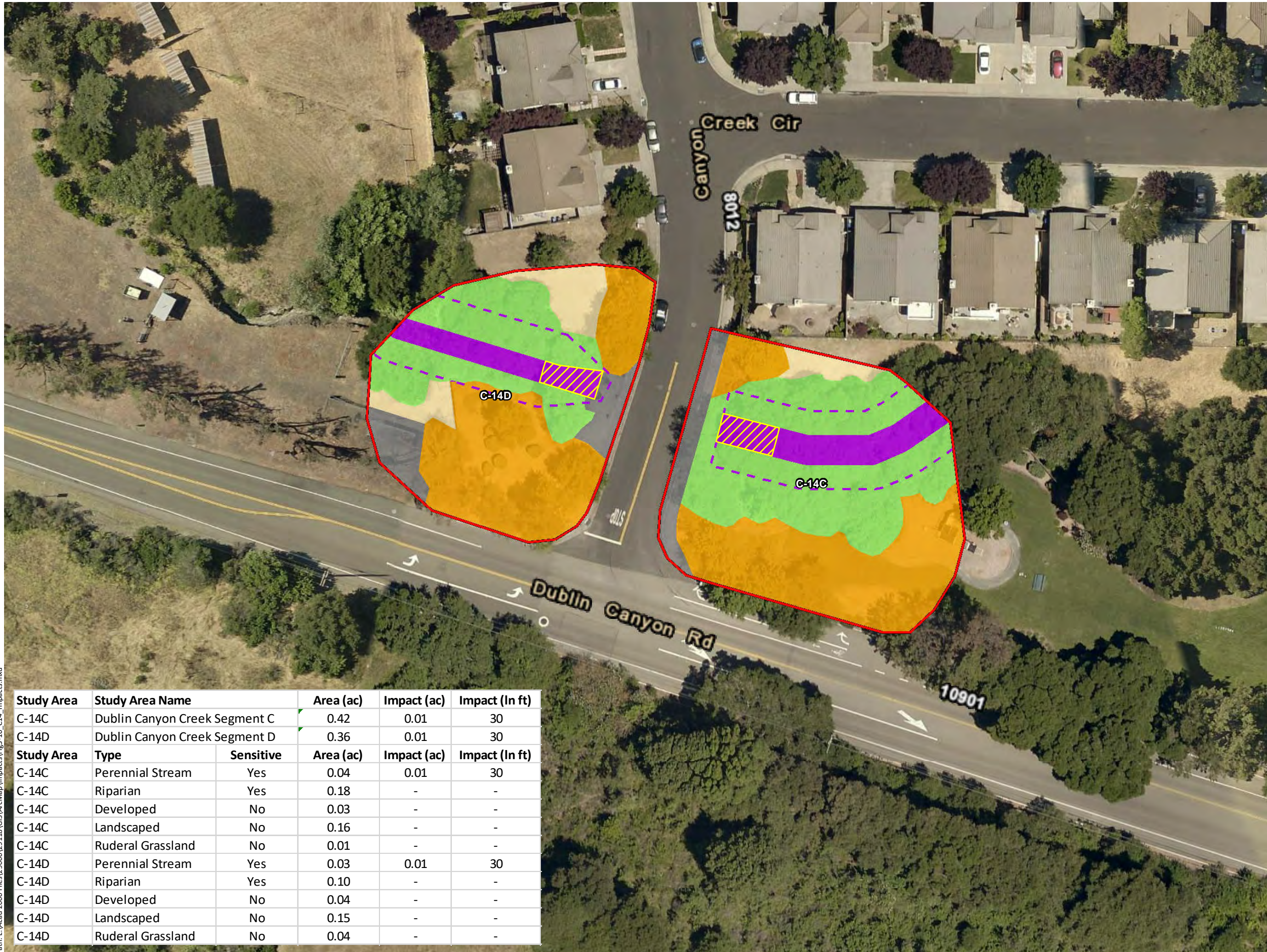
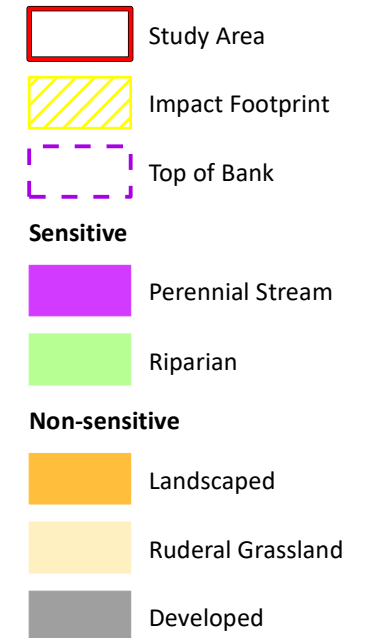
Figure 3-9. Project Impacts (C-13)

City of Pleasanton
Stream Maintenance Program
Alameda County, California



**Figure 3-10.
Project Impacts
(C-14C, C-14D)**

City of Pleasanton
Stream Maintenance Program
Alameda County, California



Study Area	Study Area Name	Area (ac)	Impact (ac)	Impact (In ft)	
C-14C	Dublin Canyon Creek Segment C	0.42	0.01	30	
C-14D	Dublin Canyon Creek Segment D	0.36	0.01	30	
Study Area	Type	Sensitive	Area (ac)	Impact (ac)	Impact (In ft)
C-14C	Perennial Stream	Yes	0.04	0.01	30
C-14C	Riparian	Yes	0.18	-	-
C-14C	Developed	No	0.03	-	-
C-14C	Landscaped	No	0.16	-	-
C-14C	Ruderal Grassland	No	0.01	-	-
C-14D	Perennial Stream	Yes	0.03	0.01	30
C-14D	Riparian	Yes	0.10	-	-
C-14D	Developed	No	0.04	-	-
C-14D	Landscaped	No	0.15	-	-
C-14D	Ruderal Grassland	No	0.04	-	-

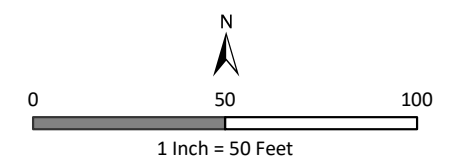
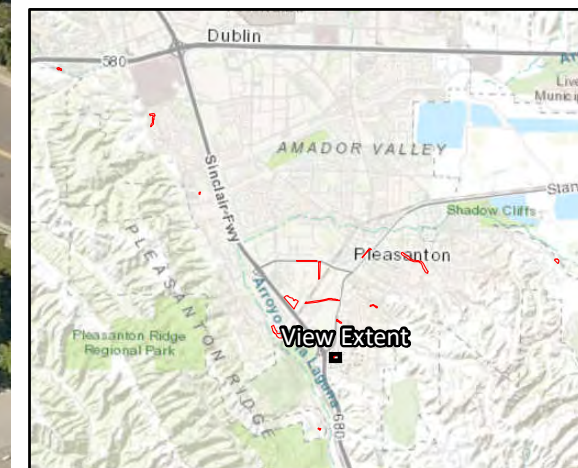
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**Figure 3-11.
Project Impacts
(C-16)**

City of Pleasanton
Stream Maintenance Program
Alameda County, California

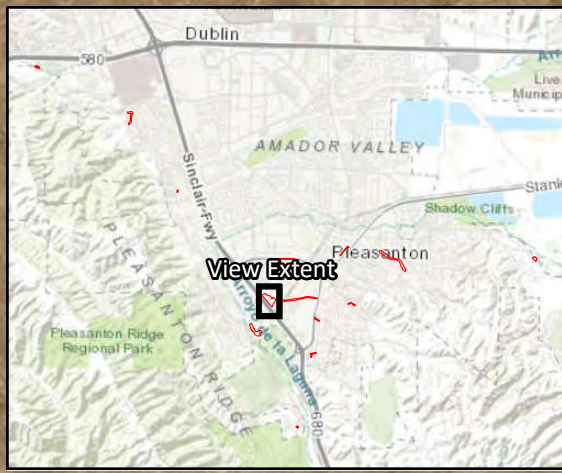
- Study Area
- Impact Footprint
- Sensitive**
- Intermittent Stream
- Perennial Marsh
- Riparian
- Non-sensitive**
- Coast Live Oak
- Landscaped
- Ruderal Grassland
- Developed



Study Area	Study Area Name		Area (ac)	Impact (ac)	Impact (In ft)
C-16	Arlington Creek		1.02	0.03	225
Study Area	Type	Sensitive	Area (ac)	Impact (ac)	Impact (In ft)
C-16	Intermittent Stream	Yes	0.05	0.03	225
C-16	Perennial Marsh	Yes	0.04	-	-
C-16	Riparian	Yes	0.27	-	-
C-16	Coast Live Oak	No	0.20	-	-
C-16	Developed	No	0.08	-	-
C-16	Landscaped	No	0.16	-	-
C-16	Ruderal Grassland	No	0.22	-	-

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Study Area	Study Area Name	Area (ac)	Impact (ac)	Impact (In ft)	
P-02	Bernal Detention Pond Central	9.86	0.08	-	
Study Area	Type	Sensitive	Area (ac)	Impact (ac)	Impact (In ft)
P-02	Detention Basin	Yes	4.08	0.08	-
P-02	Riparian	Yes	0.18	-	-
P-02	Developed	No	0.03	-	-
P-02	Ruderal Grassland	No	5.57	-	-

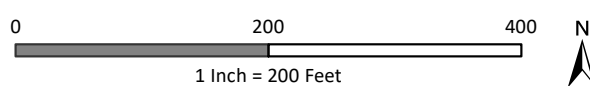


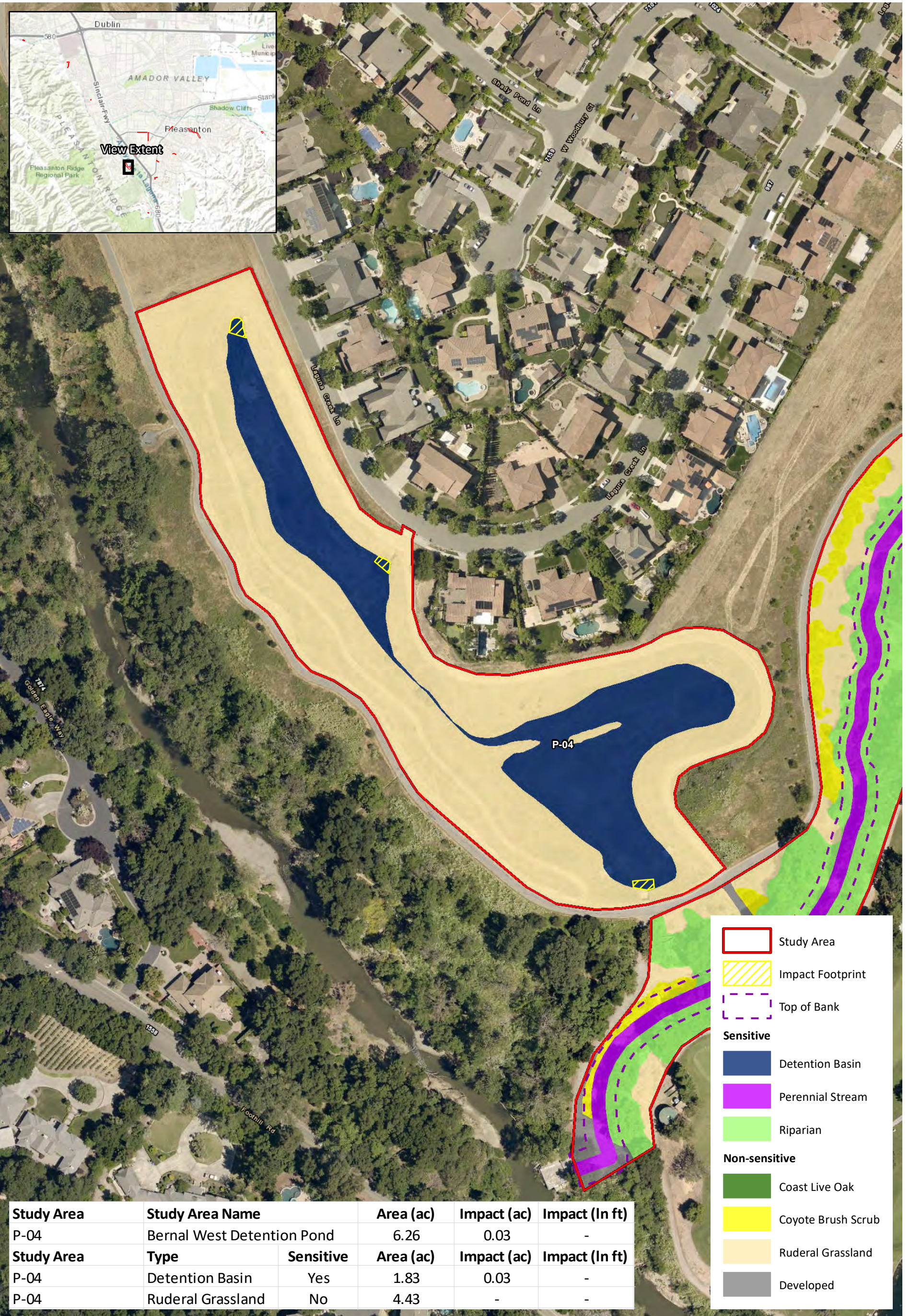
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Sources: Alameda County 2017, WRA | Prepared By: mweidenbach, 6/10/2020

Figure 3-12. Project Impacts (P-02)

City of Pleasanton
Stream Maintenance Program
Alameda County, California





Study Area	Study Area Name	Area (ac)	Impact (ac)	Impact (ln ft)	
P-04	Bernal West Detention Pond	6.26	0.03	-	
Study Area	Type	Sensitive	Area (ac)	Impact (ac)	Impact (ln ft)
P-04	Detention Basin	Yes	1.83	0.03	-
P-04	Ruderal Grassland	No	4.43	-	-

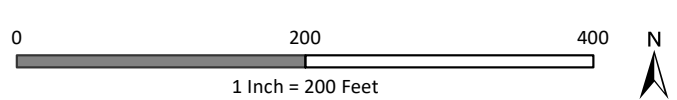
- Study Area
- Impact Footprint
- Top of Bank
- Sensitive**
- Detention Basin
- Perennial Stream
- Riparian
- Non-sensitive**
- Coast Live Oak
- Coyote Brush Scrub
- Ruderal Grassland
- Developed

Path: L:\Acad 2000 Files\29000\29118\GIS\ArcMap\Impacts\Figs-13_P04_Impacts.mxd

Sources: Alameda County 2017, WRA | Prepared By: mweidenbach, 6/10/2020

Figure 3-13. Project Impacts (P-04)

City of Pleasanton
Stream Maintenance Program
Alameda County, California



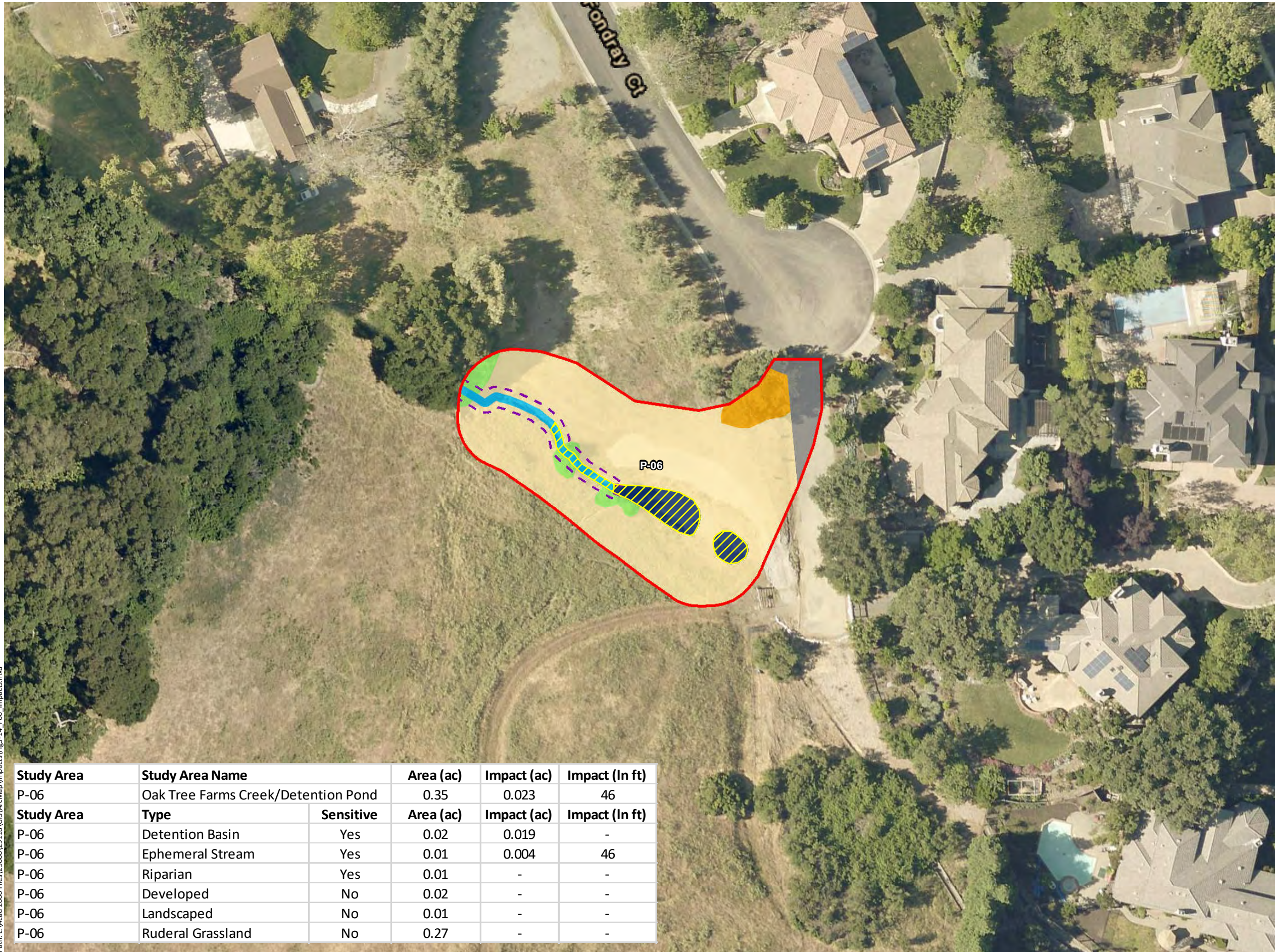
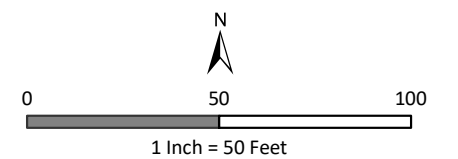
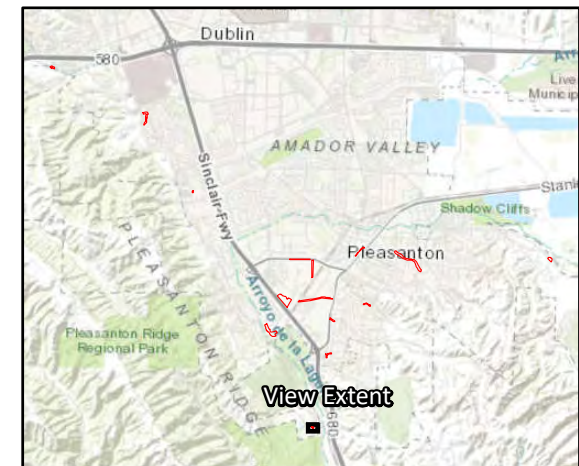
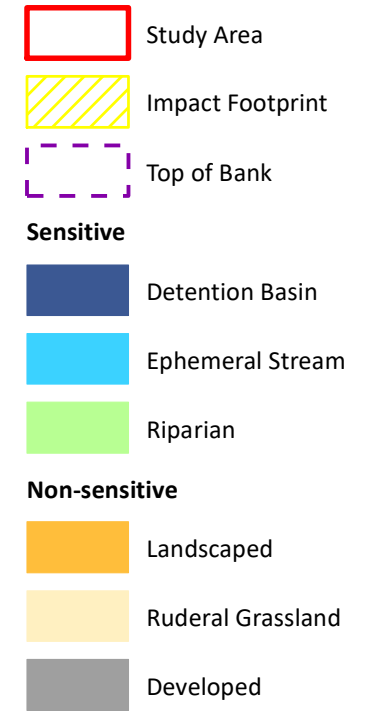


Figure 3-14.
Project Impacts
(P-06)

City of Pleasanton
Stream Maintenance Program
Alameda County, California



Study Area	Study Area Name	Area (ac)	Impact (ac)	Impact (In ft)	
P-06	Oak Tree Farms Creek/Detention Pond	0.35	0.023	46	
Study Area	Type	Sensitive	Area (ac)	Impact (ac)	Impact (In ft)
P-06	Detention Basin	Yes	0.02	0.019	-
P-06	Ephemeral Stream	Yes	0.01	0.004	46
P-06	Riparian	Yes	0.01	-	-
P-06	Developed	No	0.02	-	-
P-06	Landscaped	No	0.01	-	-
P-06	Ruderal Grassland	No	0.27	-	-

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Sources: Alameda County 2017, WRA | Prepared By: mweidenbach, 6/10/2020

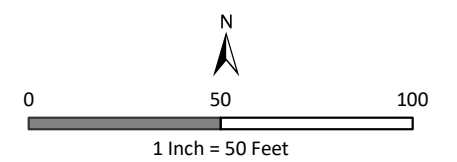
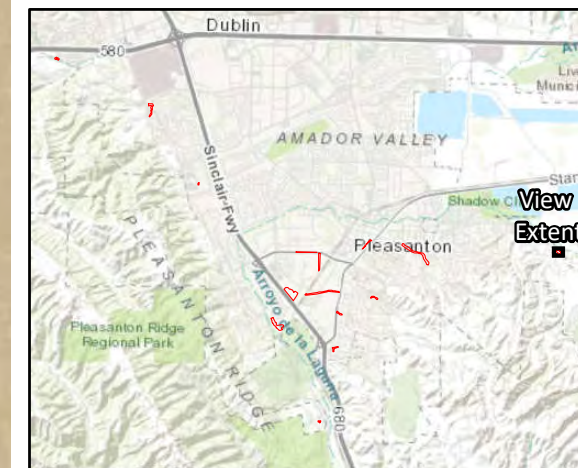




**Figure 3-15.
Project Impacts
(P-08)**

City of Pleasanton
Stream Maintenance Program
Alameda County, California

- Study Area
- Impact Footprint
- Top of Bank
- Sensitive**
- Detention Basin
- Riparian
- Non-sensitive**
- Ruderal Grassland
- Developed



Study Area	Study Area Name	Area (ac)	Impact (ac)	Impact (In ft)	
P-08	Vineyard East Detention Pond	1.33	0.07	-	
Study Area	Type	Sensitive	Area (ac)	Impact (ac)	Impact (In ft)
P-08	Detention Basin	Yes	0.23	0.07	-
P-08	Riparian	Yes	0.01	-	-
P-08	Developed	No	0.33	-	-
P-08	Ruderal	No	0.76	-	-

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Sources: Alameda County 2017, WRA | Prepared By: mweidenbach, 6/22/2020

