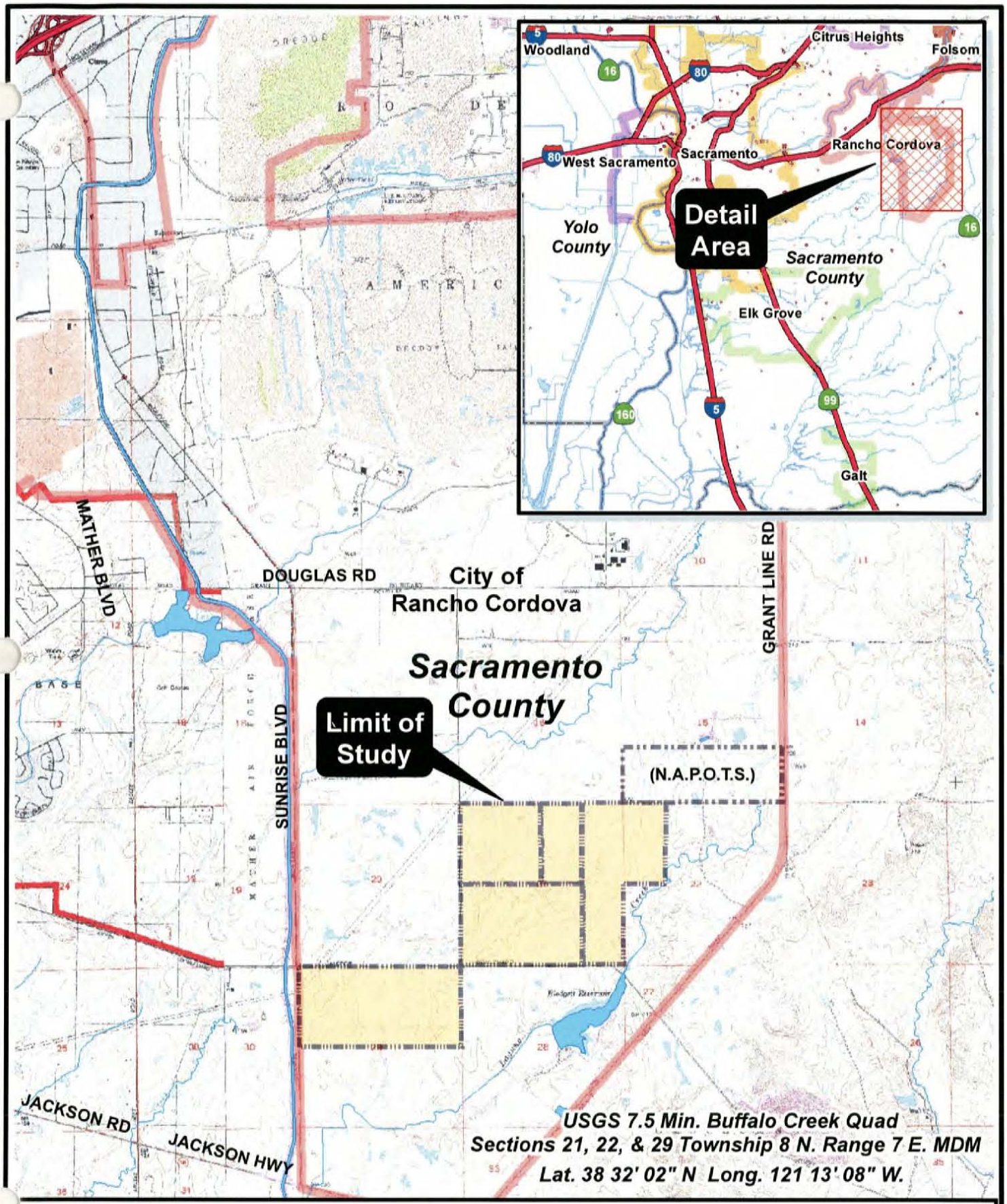
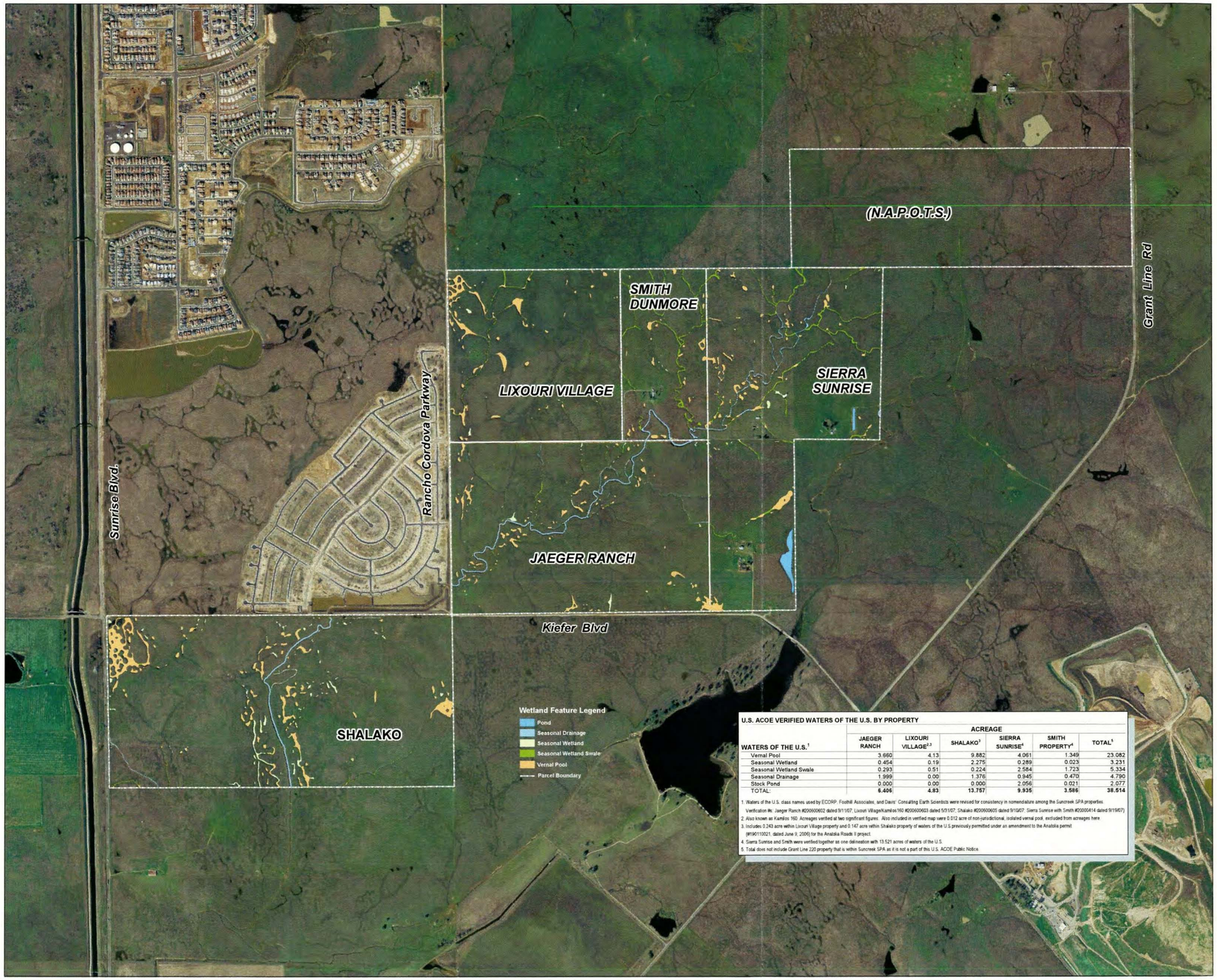


0 1,550 3,100 6,200 Feet

Site and Vicinity

MACKAY & SOMPS
CIVIL ENGINEERS, INC.
CIVIL ENGINEERING LAND PLANNING LAND SURVEYING
SACRAMENTO CALIFORNIA (916) 929-5892

Figure 1 of 19



U.S. ACOE VERIFIED WATERS OF THE U.S. BY PROPERTY

WATERS OF THE U.S.[1]	ACREAGE					
	JAEGER RANCH	LIXOURI VILLAGE[2,3]	SHALAKO[3]	SIERRA SUNRISE[4]	SMITH PROPERTY[4]	TOTAL[5]
Vernal Pool	3.660	4.13	9.882	4.061	1.349	23.082
Seasonal Wetland	0.454	0.19	2.275	0.289	0.023	3.231
Seasonal Wetland Swale	0.293	0.51	0.224	2.584	1.723	5.334
Seasonal Drainage	1.999	0.00	1.376	0.945	0.470	4.790
Stock Pond	0.000	0.00	0.000	2.056	0.021	2.077
TOTAL:	**6.406**	**4.83**	**13.757**	**9.935**	**3.586**	**38.514**

1. Waters of the U.S. class names used by ECORP, Foothill Associates, and Davis' Consulting Earth Scientists were revised for consistency in nomenclature among the Suncreek SPA properties.
Verification #s: Jaeger Ranch #2006060602 dated 9/11/07, Lixouri Village/Kamilos 160 #2006060603 dated 5/31/07, Shalako #2006060605 dated 5/15/07, Sierra Sunrise with Smith #2006060414 dated 9/19/07)
2. Also known as Kamilos 160. Acreages verified at two significant figures. Also included in verified map were 0.012 acre of non-jurisdictional, isolated vernal pool, excluded from acreages here.
3. Includes 0.243 acre within Lixouri Village property and 0.147 acre within Shalako property of waters of the U.S previously permitted under an amendment to the Anatolia permit (#199010021, dated June 9, 2006) for the Anatolia Roads II project.
4. Sierra Sunrise and Smith were verified together as one delineation with 13.521 acres of waters of the U.S.
5. Total does not include Grant Line 220 property that is within Suncreek SPA as it is not a part of this U.S. ACOE Public Notice.

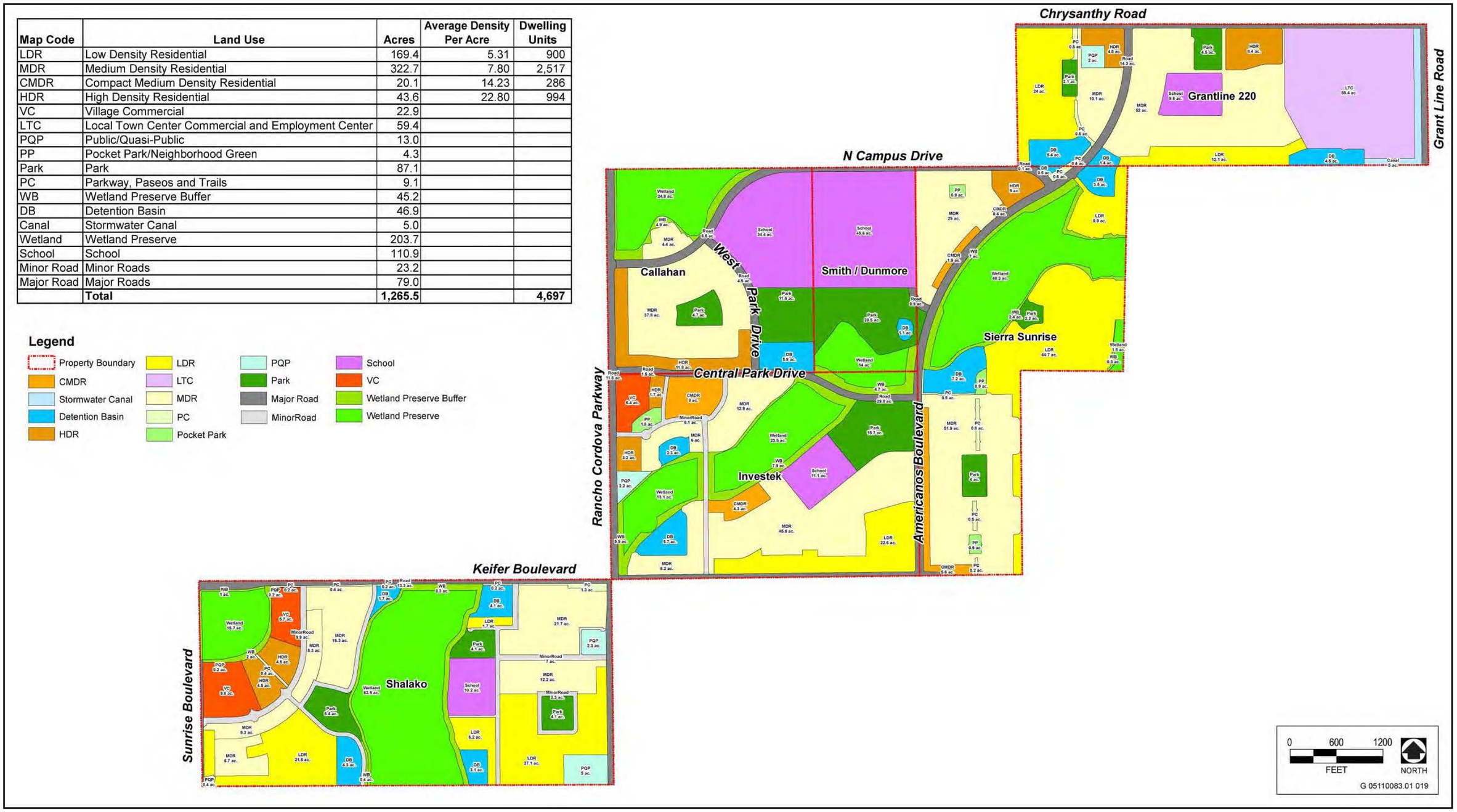
Wetlands Composite Exhibit
SUNCREEK SPECIFIC PLAN AREA
City of Rancho Cordova, California

Notes:
- Property Lines delineated hereon are based upon record information.
- Aerial photography by: Aerials Express Inc. Photo Date: May 2006
- Feature class names have been revised from those given in the verified delineations to provide consistency in nomenclature of waters of the U.S. classes among Suncreek properties.
- MacKay and Somps does not warrant the accuracy or completeness of these data products and therefore disclaims all liability for its fitness of use.
- Exhibit prepared on March 17, 2008

0 250 500 1,000 Feet

MACKAY & SOMPS
CIVIL ENGINEERS, INC.
CIVIL ENGINEERING • LAND PLANNING • LAND SURVEYING
SACRAMENTO, CALIFORNIA (916) 929-4580

Map Code	Land Use	Acres	Average Density Per Acre	Dwelling Units
LDR	Low Density Residential	169.4	5.31	900
MDR	Medium Density Residential	322.7	7.80	2,517
CMDR	Compact Medium Density Residential	20.1	14.23	286
HDR	High Density Residential	43.6	22.80	994
VC	Village Commercial	22.9		
LTC	Local Town Center Commercial and Employment Center	59.4		
PQP	Public/Quasi-Public	13.0		
PP	Pocket Park/Neighborhood Green	4.3		
Park	Park	87.1		
PC	Parkway, Paseos and Trails	9.1		
WB	Wetland Preserve Buffer	45.2		
DB	Detention Basin	46.9		
Canal	Stormwater Canal	5.0		
Wetland	Wetland Preserve	203.7		
School	School	110.9		
Minor Road	Minor Roads	23.2		
Major Road	Major Roads	79.0		
	Total	**1,265.5**		**4,697**



Source: MacKay & Somps 2012

Proposed Project Alternative Land Use Plan **Exhibit 2-4**

Figure 3 of 19

TOTAL AVOIDANCE & IMPACT

	Avoided	Direct Impacts		Wetlands within 250' of Development[2]		Existing Acreage
		Onsite	Offsite[3]	Onsite	Offsite[3]	
Vernal Pool	12.716	13.573	0.930	9.952	7.515	27.219[1]
Seasonal Wetland	1.524	1.021	0.093	1.222	3.136	2.638
Swale	1.943	4.406	0.115	1.677	2.362	6.464
Ephemeral Drainage	0.000	0.903	0.000	0.000	0.000	0.903
Intermittent Drainage	0.808	0.174	0.000	0.543	0.000	0.982
Pond	0.000	2.056	0.000	0.000	0.649	2.056
Stream	2.507	0.831	0.078	1.689	1.633	3.416
Isolated Vernal Pool	0.000	0.012	0.000	0.000	0.000	0.012
Total	*19.498*	*22.976*	*1.216*	*15.083*	*15.295*	*43.690*

NOTES

Gross project acreage: +/- 1265 ac.

Gross preserve acreage: +/- 198 ac.

Base data source: Wade Associates.

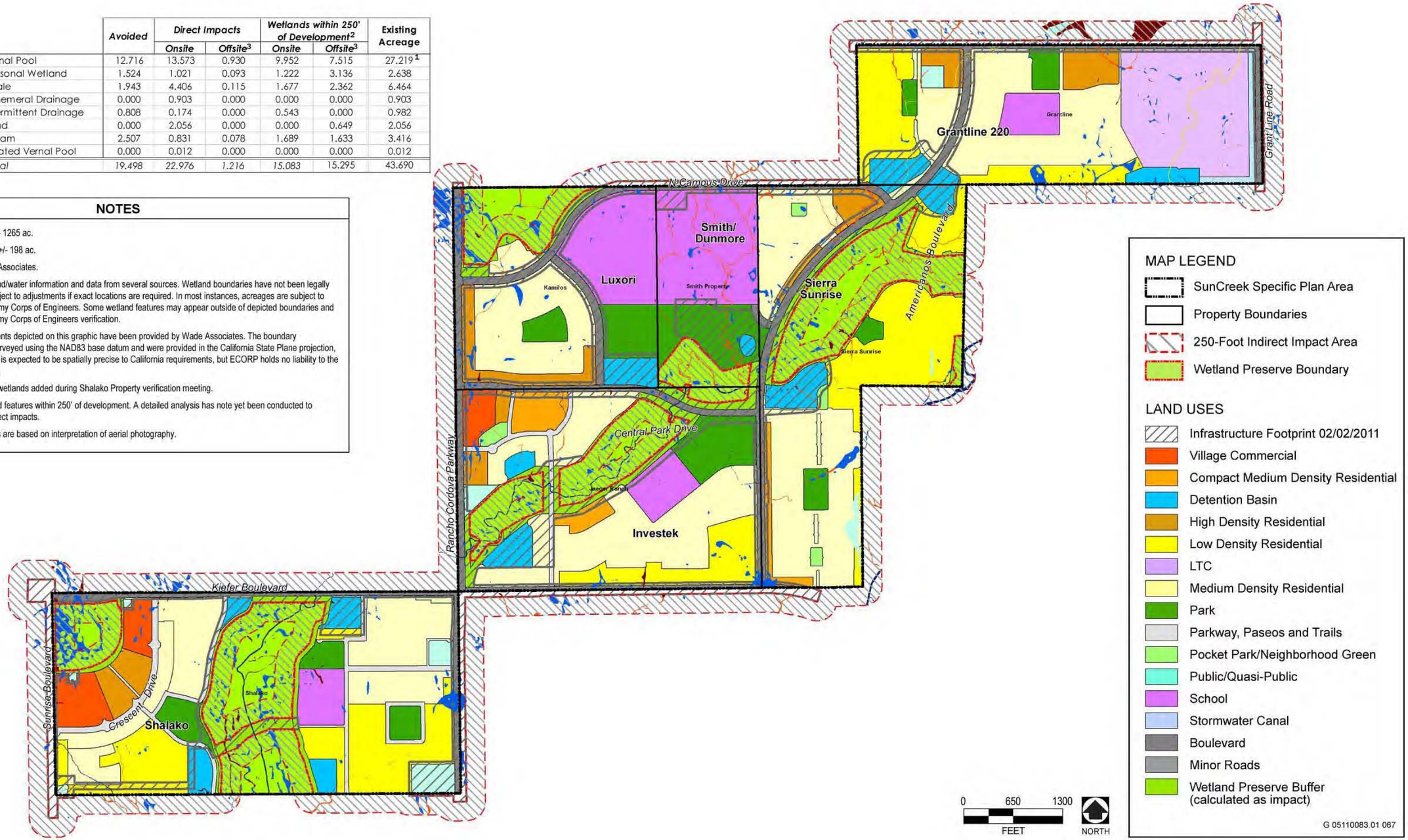
This exhibit depicts wetland/water information and data from several sources. Wetland boundaries have not been legally surveyed and may be subject to adjustments if exact locations are required. In most instances, acreages are subject to verification by the U.S. Army Corps of Engineers. Some wetland features may appear outside of depicted boundaries and were left as is pending Army Corps of Engineers verification.

The project boundary extents depicted on this graphic have been provided by Wade Associates. The boundary coordinates have been surveyed using the NAD83 base datum and were provided in the California State Plane projection, Grid Units. This boundary is expected to be spatially precise to California requirements, but ECORP holds no liability to the accuracy of the boundary.

[1] Includes 0.771 acres of wetlands added during Shalako Property verification meeting.

[2] Acreage is for all wetland features within 250' of development. A detailed analysis has note yet been conducted to determine potential indirect impacts.

[3] Offsite wetland acreages are based on interpretation of aerial photography.



Source: ECORP 2012, Adapted by AECOM in 2012

Proposed Project Alternative – Impacts on Wetlands and Other Waters **Exhibit 3.3-3**

Figure 4 of 19

INFRASTRUCTURE ABBREVIATIONS

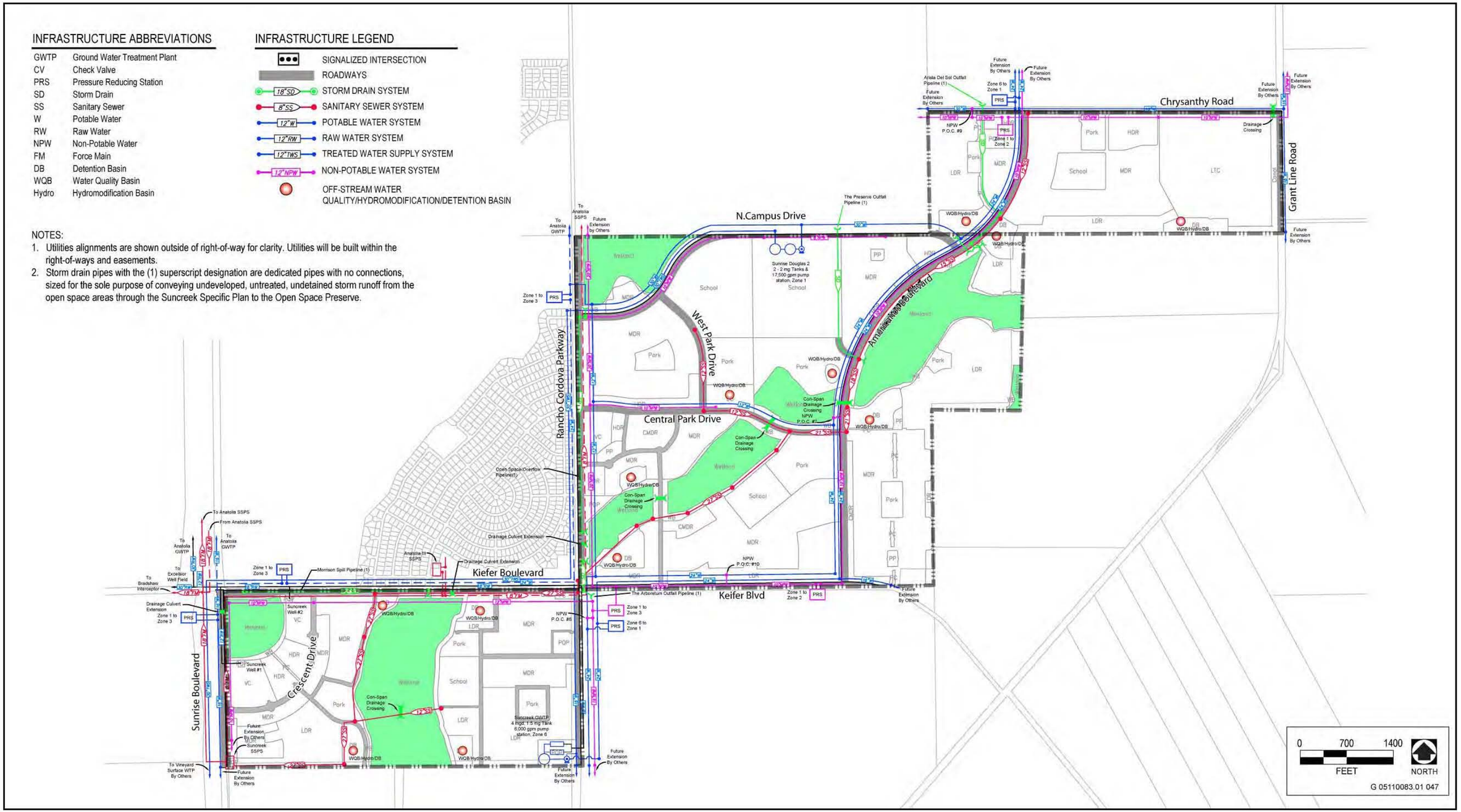
GWTP	Ground Water Treatment Plant
CV	Check Valve
PRS	Pressure Reducing Station
SD	Storm Drain
SS	Sanitary Sewer
W	Potable Water
RW	Raw Water
NPW	Non-Potable Water
FM	Force Main
DB	Detention Basin
WQB	Water Quality Basin
Hydro	Hydromodification Basin

INFRASTRUCTURE LEGEND

- SIGNALIZED INTERSECTION
- ROADWAYS
- 18"SD — STORM DRAIN SYSTEM
- 8"SS — SANITARY SEWER SYSTEM
- 12"W — POTABLE WATER SYSTEM
- 12"RW — RAW WATER SYSTEM
- 12"TWS — TREATED WATER SUPPLY SYSTEM
- 12"NPW — NON-POTABLE WATER SYSTEM
- OFF-STREAM WATER QUALITY/HYDROMODIFICATION/DETENTION BASIN

NOTES:

1. Utilities alignments are shown outside of right-of-way for clarity. Utilities will be built within the right-of-ways and easements.
2. Storm drain pipes with the (1) superscript designation are dedicated pipes with no connections, sized for the sole purpose of conveying undeveloped, untreated, undetained storm runoff from the open space areas through the Suncreek Specific Plan to the Open Space Preserve.



Source: MacKay & Somps 2012

Proposed Project Alternative Backbone Infrastructure **Exhibit 2-5**

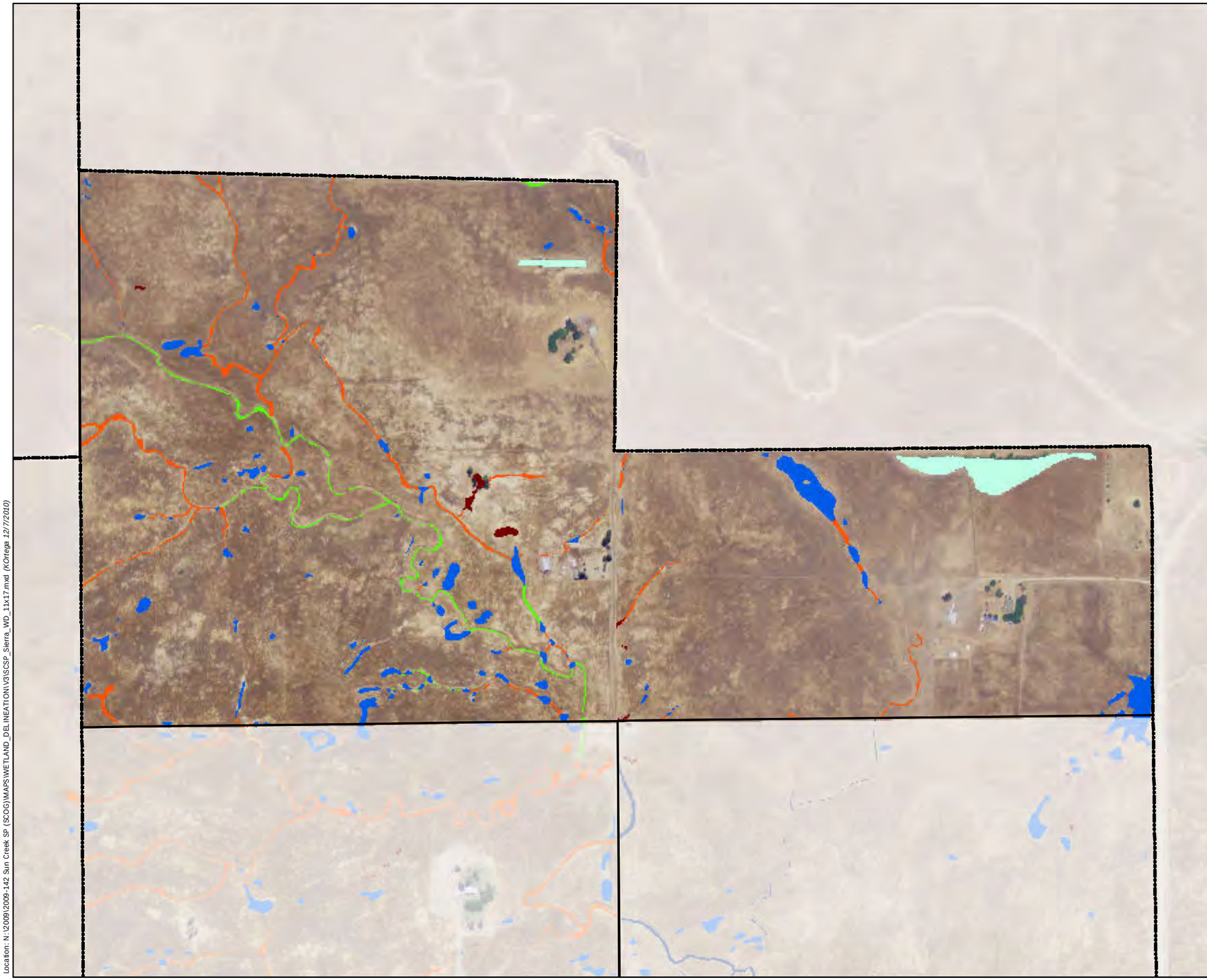


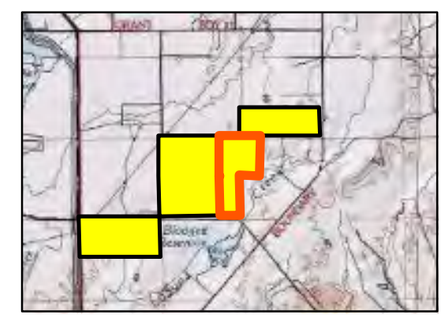
Figure 3. Wetland Delineation

Sierra Sunrise

Project Boundary

Property Boundaries

	Existing Acreage
Vernal Pool	4.060
Seasonal Wetland	0.289
Swale	2.584
Ephemeral Drainage	0.000
Intermittent Drainage	0.943
Pond	2.056
Stream	0.000
Isolated Vernal Pool	0.000
Total	*9.932*



Scale in Feet

0 500

1 " = 500 '

ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

Location: N:\2009\2009-142 Sun Creek SP (SCOG)\MAPS\WETLAND_DELINEATION\V3\SCSP_Sierra_WD_11x17.mxd (KOrtega 12/7/2010)

Map Date: 12/7/2010

PROJECT NAME: Jaeger Ranch - WETLAND DELINEATION

WETLANDS

VERNAL POOL ID	EXISTING ACREAGE	EXISTING SQUARE FEET
VP-1	0.038	1661
VP-2	0.132	5755
VP-3	0.034	1499
VP-4	0.066	2893
VP-5	0.124	5415
VP-6	0.032	1382
VP-7	0.006	253
VP-8	0.202	8802
VP-9	0.048	2100
VP-10	0.050	2183
VP-11	0.159	6941
VP-12	0.034	1493
VP-13	0.072	3139
VP-14	0.043	1874
VP-15	0.033	1424
VP-16	0.003	145
VP-17	0.017	749
VP-18	0.013	555
VP-19	0.025	1105
VP-20	0.007	311

VERNAL POOL ID	EXISTING ACREAGE	EXISTING SQUARE FEET
VP-21	0.018	782
VP-22	0.126	5483
VP-23	0.049	2113
VP-24	0.085	3717
VP-25	0.105	4570
VP-26	0.073	3158
VP-27	0.009	400
VP-28	0.203	8847
VP-29	0.054	2359
VP-30	0.015	642
VP-31	0.020	882
VP-32	0.252	10974
VP-33	0.025	1078
VP-34	0.003	141
VP-35	0.005	232
VP-36	0.009	405
VP-37	0.019	829
VP-38	0.005	206
VP-39	0.021	912
VP-40	0.003	146

VERNAL POOL ID	EXISTING ACREAGE	EXISTING SQUARE FEET
VP-41	0.013	552
VP-42	0.008	363
VP-43	0.018	785
VP-44	0.008	330
VP-45	0.004	184
VP-46	0.037	1613
VP-47	0.010	456
VP-48	0.009	407
VP-49	0.008	362
VP-50	0.005	237
VP-51	0.041	1799
VP-53	0.381	16577
VP-54	0.035	1548
VP-55	0.010	444
VP-56	0.012	535
VP-57	0.004	184
VP-58	0.003	124
VP-59	0.010	441
VP-60	0.010	433
VP-61	0.007	322

VERNAL POOL ID	EXISTING ACREAGE	EXISTING SQUARE FEET
VP-62	0.006	261
VP-63	0.050	2157
VP-64	0.024	1029
VP-65	0.037	1622
VP-66	0.006	265
VP-67	0.008	344
VP-68	0.019	836
VP-69	0.010	450
VP-70	0.007	296
VP-71	0.004	178
VP-72	0.020	875
VP-73	0.005	229
VP-74	0.023	1003
VP-75	0.014	622
VP-76	0.005	200
VP-77	0.002	104
VP-78	0.002	71
VP-79	0.002	88
VP-81	0.027	1193
VP-82	0.068	2953

VERNAL POOL ID	EXISTING ACREAGE	EXISTING SQUARE FEET
VP-83	0.005	202
VP-84	0.004	171
VP-85	0.007	294
VP-86	0.012	530
VP-87	0.006	270
VP-88	0.020	867
VP-89	0.007	285
VP-90	0.004	189
VP-91	0.009	403
VP-92	0.010	422
VP-93	0.029	1275
VP-94	0.005	225
VP-95	0.005	197
VP-96	0.039	1680
VP-97	0.000	0
VP-98	0.005	202
VP-99	0.017	743
VP-100	0.016	683
VP-101	0.100	4377
VP-102	0.010	430

VERNAL POOL ID	EXISTING ACREAGE	EXISTING SQUARE FEET
VP-103	0.030	1289
VP-104	0.046	1987
VP-105	0.017	728
VP-106	0.009	372
VP-107	0.003	143
VP-108	0.015	667
VP-109	0.007	315
VP-110	0.004	188

SEASONAL WETLAND ID	EXISTING ACREAGE	EXISTING SQUARE FEET
SW-2	0.145	6317
SW-3	0.022	976
SW-4	0.025	1086
SW-5	0.008	355
SW-6	0.029	1244
SW-8	0.014	591
SW-9	0.007	291
SW-10	0.142	6187
SW-11	0.002	100
SW-12	0.006	287
SW-13	0.005	218
SW-14	0.005	198
SW-15	0.001	49
SW-16	0.003	133
SW-17	0.001	46
SW-18	0.001	22
SW-19	0.018	776
SW-20	0.007	306
SW-21	0.007	314
SW-22	0.007	322

SEASONAL WETLAND SWALE ID	EXISTING ACREAGE	EXISTING ACREAGE
SWS-1	0.034	1461
SWS-2	0.030	1303
SWS-3	0.008	365
SWS-4	0.010	455
SWS-5	0.012	507
SWS-6	0.112	4898
SWS-7	0.010	415
SWS-8	0.013	549
SWS-9	0.004	161
SWS-10	0.022	964
SWS-11	0.019	848
SWS-12	0.005	199
SWS-13	0.015	640

OTHER WATERS

SEASONAL DRAINAGE ID	EXISTING ACREAGE	EXISTING SQUARE FEET
SD-1	0.153	6674
SD-2	1.573	68531
SD-3	0.004	161
SD-4	0.018	798
SD-5	0.042	1834
SD-6	0.051	2204
SD-7	0.028	1231
SD-8	0.036	1585
SD-9	0.068	2956
SD-10	0.026	1112

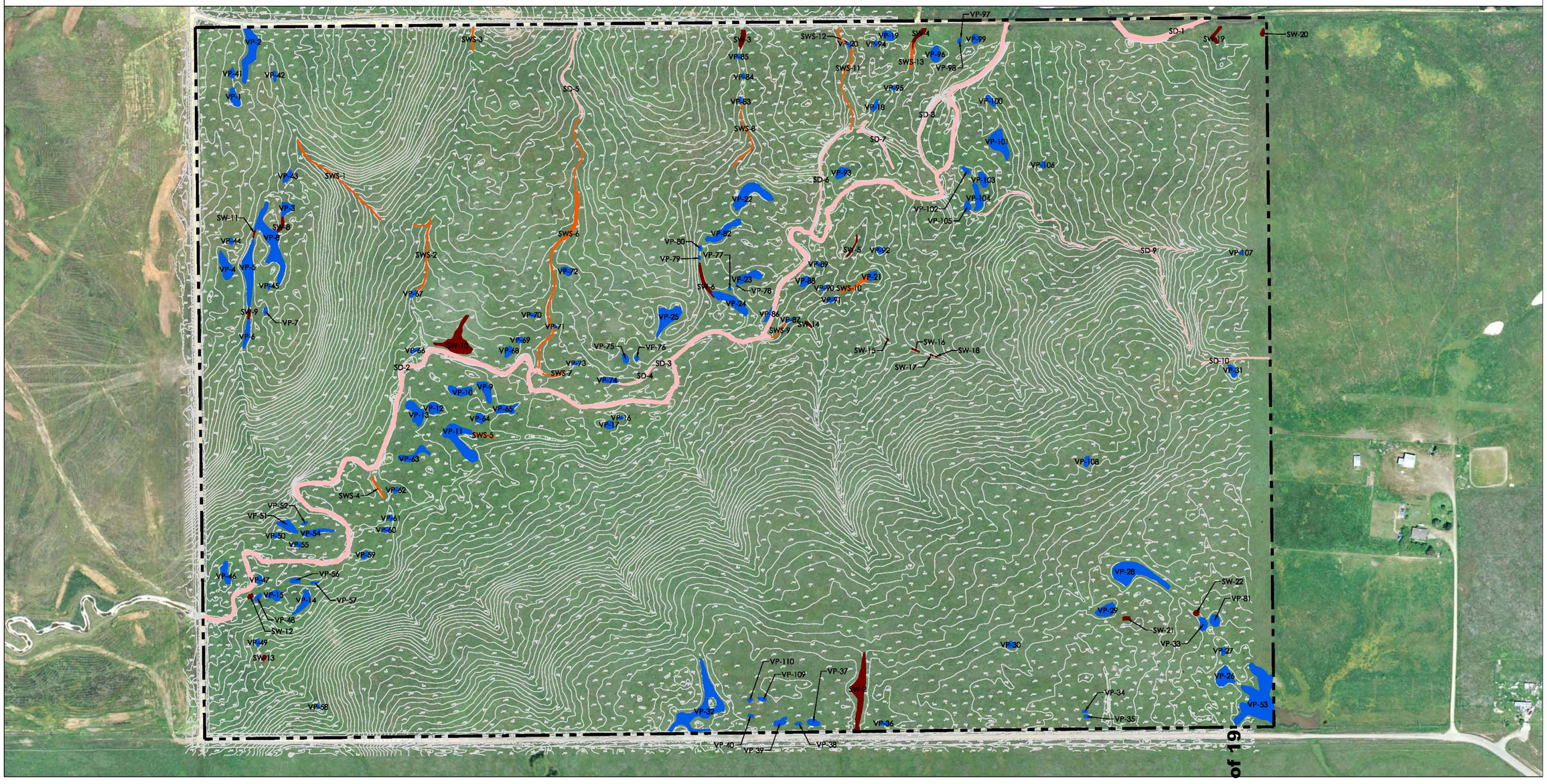


Figure 7 of 19

Kevin Ortega 9/20/12 9:51 AM

JOB NAME: Jaeger Ranch - WD
PROJECT NO: 2004-049
MAP SCALE: 1"=200'
DATE: 15 DECEMBER 2005
REVISION: 16 JULY 2008
FILE NAME: JR-WD3.dwg

WATERS OF THE U.S. ACREAGE[1]

CLASSIFICATION	EXISTING ACREAGE
WETLANDS:	
Vernal Pool	3.660
Seasonal Wetland	0.454
Seasonal Wetland Swale	0.293
OTHER WATERS:	
Seasonal Drainage	1.999
TOTAL:	6.406

NOTES

Gross project acreage: ± 240 ac

Original wetland data source: DAVIS[2] Consulting Earth Scientists, Inc.

Aerial photo source: GlobeXplorer April 2004

Topographic data source: Wood Rogers

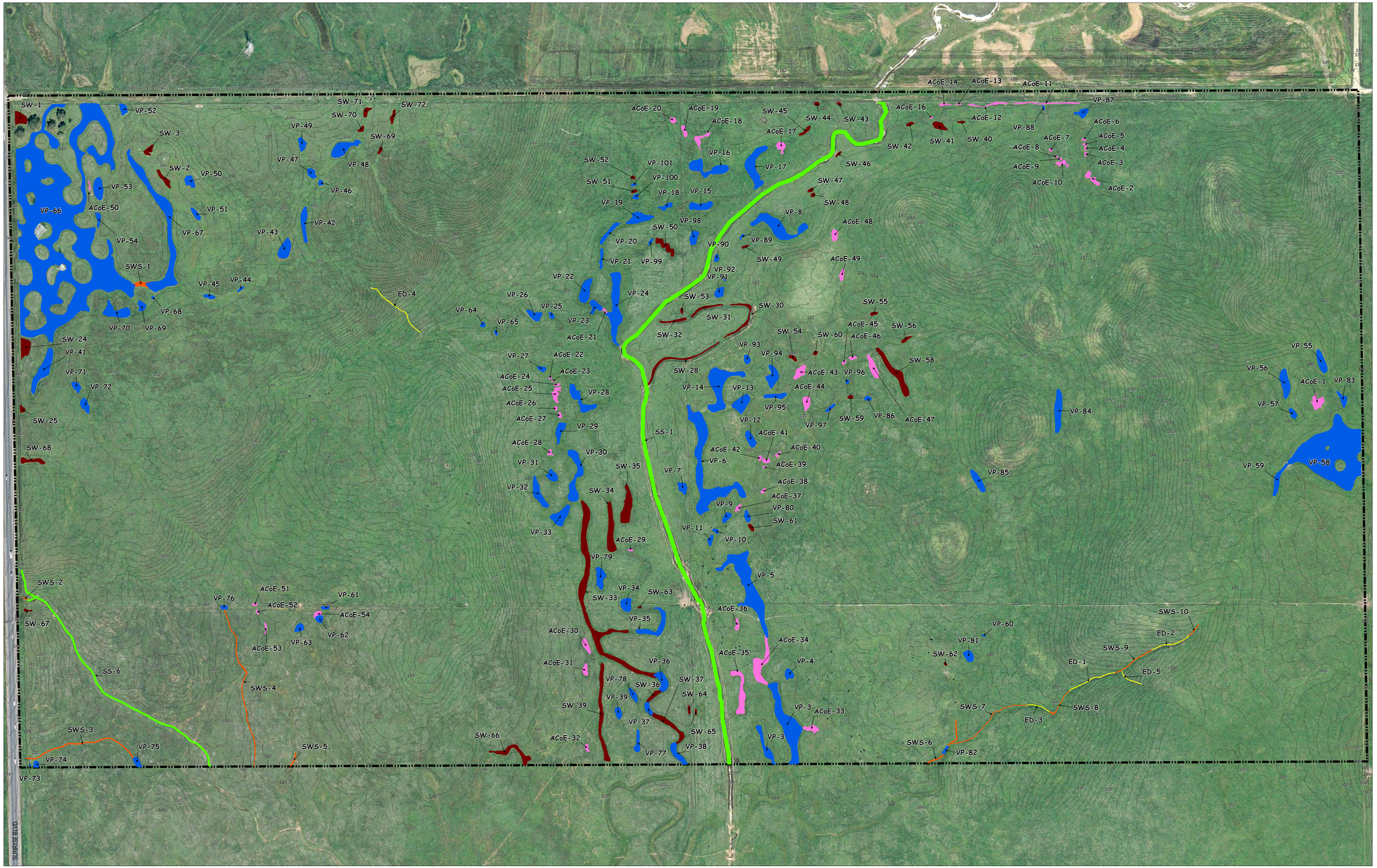
Boundary source: Wood Rogers

Wetland delineation field verification visits were conducted on 12 April 2007 and 23 April 2007 by A. Sutton (Corps) and A. Ballard (Ecorp)

This exhibit depicts information and data produced in strict accord with the U.S. Army Corps of Engineers wetland delineation methods described in the 1987 Corps of Engineers Wetlands Delineation Manual and conforms to specifications per the Corps Sacramento District. However, wetland boundaries have not been legally surveyed and may be subject to minor adjustments if exact locations are required.

SCALE IN FEET
0 100 200 400
SCALE: 1"=200'

VICINITY MAP



WETLANDS [3]

VERNAL POOL

ID	EXISTING SQ FT	EXISTING ACREAGE	ID	EXISTING SQ FT	EXISTING ACREAGE
VP-3	15609	0.358	VP-57	794	0.018
VP-4	1083	0.025	VP-58	44353	1.018
VP-5	16087	0.369	VP-59	2121	0.049
VP-6	19426	0.446	VP-60	87	0.002
VP-7	1215	0.028	VP-61	349	0.008
VP-8	7847	0.180	VP-62	766	0.018
VP-9	885	0.020	VP-63	859	0.020
VP-10	327	0.008	VP-64	312	0.007
VP-11	605	0.014	VP-65	211	0.005
VP-12	1680	0.039	VP-66	157995	3.627
VP-13	3046	0.070	VP-67	16717	0.384
VP-14	9405	0.216	VP-68	118	0.003
VP-15	2336	0.054	VP-69	934	0.021
VP-16	4822	0.111	VP-70	3678	0.084
VP-17	5935	0.136	VP-71	986	0.023
VP-18	834	0.019	VP-72	1371	0.031
VP-19	2885	0.066	VP-73	65	0.001
VP-20	1473	0.034	VP-74	484	0.011
VP-21	783	0.018	VP-75	840	0.019
VP-22	3018	0.069	VP-76	384	0.009
VP-23	1519	0.035	VP-77	1200	0.028
VP-24	8839	0.203	VP-78	968	0.022
VP-25	398	0.009	VP-79	2237	0.051
VP-26	1552	0.036	VP-80	783	0.018
VP-27	558	0.013	VP-81	1343	0.031
VP-28	3528	0.081	VP-82	334	0.008
VP-29	1787	0.041	VP-83	1128	0.026
VP-30	5607	0.129	VP-84	3937	0.090
VP-31	1389	0.032	VP-85	2215	0.051
VP-32	2963	0.068	VP-86	391	0.009
VP-33	3274	0.075	VP-87	1166	0.027
VP-34	1861	0.043	VP-88	126	0.003
VP-35	3355	0.077	VP-89	174	0.004
VP-36	2384	0.055	VP-90	427	0.010
VP-37	990	0.023	VP-91	1120	0.026
VP-38	2084	0.048	VP-92	75	0.002
VP-39	917	0.021	VP-93	742	0.017
VP-41	5219	0.120	VP-94	2672	0.061
VP-42	2359	0.054	VP-95	1370	0.031
VP-43	2789	0.064	VP-96	176	0.004
VP-44	256	0.006	VP-97	449	0.010
VP-45	597	0.014	VP-98	1394	0.032
VP-46	339	0.008	VP-99	241	0.006
VP-47	1015	0.023	VP-100	376	0.009
VP-48	3743	0.086	VP-101	182	0.004
VP-49	1208	0.028			
VP-50	1337	0.031			
VP-51	913	0.021			
VP-52	1020	0.023			
VP-53	2668	0.061			
VP-54	748	0.017			
VP-55	2210	0.051			
VP-56	3091	0.071			

SEASONAL WETLAND

ID	EXISTING SQ FT	EXISTING ACREAGE
SW-1	1907	0.044
SW-2	1144	0.026
SW-3	847	0.019
SW-24	2302	0.053
SW-25	415	0.010
SW-28	2208	0.051
SW-30	1537	0.035
SW-31	914	0.021
SW-32	751	0.017
SW-33	17209	0.395
SW-34	4223	0.097
SW-35	4014	0.092
SW-36	861	0.020
SW-37	2668	0.061
SW-39	5056	0.116
SW-40	184	0.004
SW-41	1205	0.028
SW-42	296	0.007
SW-43	199	0.005
SW-44	258	0.006
SW-45	537	0.012
SW-46	190	0.004
SW-47	249	0.006
SW-48	212	0.005
SW-49	198	0.005
SW-50	1724	0.040
SW-51	228	0.005
SW-52	172	0.004
SW-53	190	0.004
SW-54	425	0.010
SW-55	302	0.007
SW-56	435	0.010
SW-58	4673	0.107
SW-59	265	0.006
SW-60	219	0.005
SW-61	396	0.009
SW-62	119	0.003
SW-63	82	0.002
SW-64	263	0.006
SW-65	152	0.003
SW-66	2784	0.064
SW-67	212	0.005
SW-68	1313	0.030
SW-69	322	0.007
SW-70	358	0.008
SW-71	633	0.015
SW-72	611	0.014

SEASONAL WETLAND SWALE

ID	EXISTING SQ FT	EXISTING ACREAGE
SWS-1	902	0.021
SWS-2	102	0.002
SWS-3	2361	0.054
SWS-4	2683	0.062
SWS-5	293	0.007
SWS-6	367	0.008
SWS-7	1667	0.038
SWS-8	470	0.011
SWS-9	680	0.016
SWS-10	242	0.006

ACoE

ID	EXISTING SQ FT	EXISTING ACREAGE
ACoE-1	1764	0.040
ACoE-2	1025	0.024
ACoE-3	146	0.003
ACoE-4	117	0.003
ACoE-5	129	0.003
ACoE-6	127	0.003
ACoE-7	129	0.003
ACoE-8	71	0.002
ACoE-9	133	0.003
ACoE-10	638	0.015
ACoE-11	1014	0.023
ACoE-12	716	0.016
ACoE-13	99	0.002
ACoE-14	322	0.007
ACoE-16	76	0.002
ACoE-17	1002	0.023
ACoE-18	1039	0.024
ACoE-19	626	0.014
ACoE-20	422	0.010
ACoE-21	148	0.003
ACoE-22	77	0.002
ACoE-23	54	0.001
ACoE-24	193	0.004
ACoE-25	1161	0.027
ACoE-26	172	0.004
ACoE-27	261	0.006
ACoE-28	334	0.008
ACoE-29	144	0.003
ACoE-30	1014	0.023
ACoE-31	739	0.017
ACoE-32	341	0.008
ACoE-33	1058	0.024
ACoE-34	4719	0.108
ACoE-35	3683	0.085
ACoE-36	541	0.012
ACoE-37	375	0.009
ACoE-38	234	0.005
ACoE-39	89	0.002
ACoE-40	203	0.005
ACoE-41	448	0.010
ACoE-42	232	0.005
ACoE-43	1470	0.034
ACoE-44	1234	0.028
ACoE-45	181	0.004
ACoE-46	328	0.008
ACoE-47	1908	0.044
ACoE-48	886	0.020
ACoE-49	618	0.014
ACoE-50	149	0.003
ACoE-51	204	0.005
ACoE-52	118	0.003
ACoE-53	250	0.006
ACoE-54	443	0.010

OTHER WATERS [3]

SEASONAL STREAM

ID	EXISTING SQ FT	EXISTING ACREAGE
SS-1	50063	1.149
SS-6	8214	0.189

EPHEMERAL DRAINAGE

ID	EXISTING SQ FT	EXISTING ACREAGE
ED-1	395	0.009
ED-2	317	0.007
ED-3	190	0.004
ED-4	545	0.013
ED-5	193	0.004

JOB NAME:	Shalako Property - WD
PROJECT NO:	2005-177
MAP SCALE:	1"=200'
DATE:	25 April 2007
REVISION:	1 June 2007
FILE NAME:	J:\GIS_Maps\2005-177_Shalako_Property\WD\Shalako_WD_v2.mxd

WATERS OF THE U.S. ACREAGE [1]

CLASSIFICATION	EXISTING ACREAGE
WETLANDS:	
Vernal Pool	9.882
Seasonal Wetland	1.503
Seasonal Wetland Swale	0.224
ACoE	0.772
OTHER WATERS:	
Seasonal Stream	1.338
Ephemeral Drainage	0.038
TOTAL:	13.757

OTHER FEATURES

Project Boundary[2]

NOTES

Gross project acreage: +/- 321 ac.

Aerial photo source: AirPhoto USA April 2004

Topographic data: G.C. Wallace

Delineators: Davis Consulting Earth Scientists, Inc.

Wetland Delineation Verification Visit Conducted on 23 April 2007 and 14 May 2007 by A. Sutton (Corps) and A. Ballard (ECORP).

[1] *Subject to U.S. Army Corps of Engineers verification*

This exhibit depicts information and data produced in strict accord with the wetland delineation methods described in the 1987 Corps of Engineers Wetland Delineation Manual and conforms to Sacramento District specifications. However, wetland boundaries have not been legally surveyed and may be subject to minor adjustments if exact locations are required.

[2] *Boundary Source:*
The project boundary extents depicted on this graphic have been provided by G.C. Wallace. The boundary coordinates have been surveyed using the NAD83 base datum and were provided in the California State Plane projection, Grid Units. This boundary is expected to be spatially precise to California requirements, but ECORP holds no liability to the accuracy of the boundary

[3] *The acreage value for each feature has been rounded to the nearest 1/100 decimal. Summation of these values may not equal the total potential Waters of the U.S. acreage reported.*

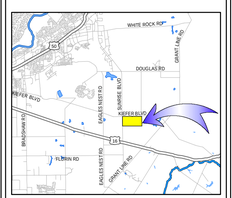
N

SCALE IN FEET

0 100 200 400

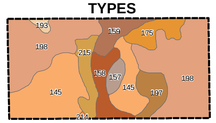
1"=200'

VICINITY MAP



USGS: Buffalo Creek, CA, 7.5 Min. Quadrangle

NATURAL RESOURCES CONSERVATION SERVICE SOIL TYPES



SERIES CODE - SERIES NAME

145 - FIDDYMENT FINE SANDY LOAM
157 - HEDGE LOAM
158 - HICKSVILLE LOAM
159 - HICKSVILLE GRAVELLY LOAM
175 - MADERA LOAM
193 - RED BLUFF-REDDING COMPLEX
197 - REDDING LOAM
198 - REDDING GRAVELLY LOAM
214 - SAN JOAQUIN SILT LOAM
215 - SAN JOAQUIN SILT LOAM

SHALAKO PROPERTY

WETLAND DELINEATION [1]

Date: April 25, 2007	REVISION DATE: June 1, 2007	PROJECT NUMBER:	2005-177
GIS SPECIALIST: JDS	SCALE: 1"=200'	MAP NAME:	Shalako_WD_v2.mxd
MAP LOCATION: J:\GIS_Maps\2005-177_Shalako_Property\WD\		QA/QC:	
WETLAND VERIFICATION LETTER DATE:		PM:	HIATTC

ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

Sacramento Region
2525 Warren Drive
Rocklin, CA 95677
Ph: (916) 782-9100

Bay Area
2100 Embarcadero, Ste. 202
Oakland, CA 94606
Ph: (510) 434-0150

Orange County
1801 Park Court Place Bldg B. Ste. 103
Santa Ana, CA 92701
Ph: (714) 648-0630

Inland Empire
215 North 5th St
Redlands, CA 92374
Ph: (909) 307-0046

San Diego Region
4709 Biona Drive
San Diego, CA 92124
Ph: (619) 521-0303

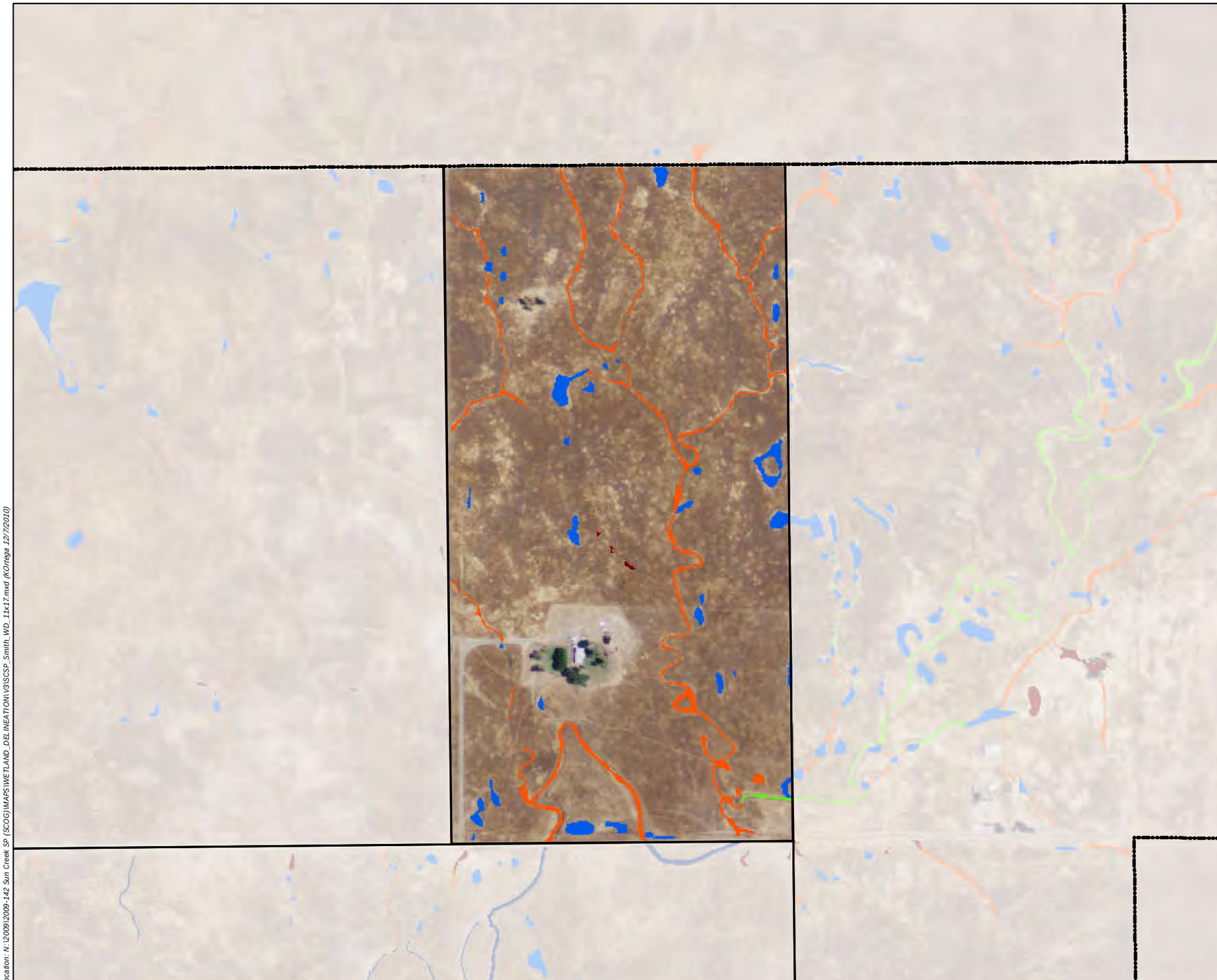


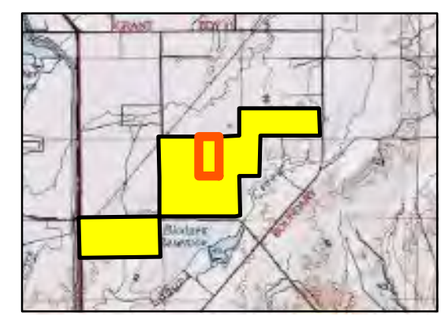
Figure 3. Wetland Delineation

Smith Property

Project Boundary

Property Boundaries

		Existing Acreage
	Vernal Pool	1.350
	Seasonal Wetland	0.023
	Swale	2.181
	Ephemeral Drainage	0.000
	Intermittent Drainage	0.039
	Pond	0.000
	Stream	0.000
	Isolated Vernal Pool	0.000
	Total	*3.593*



Scale in Feet

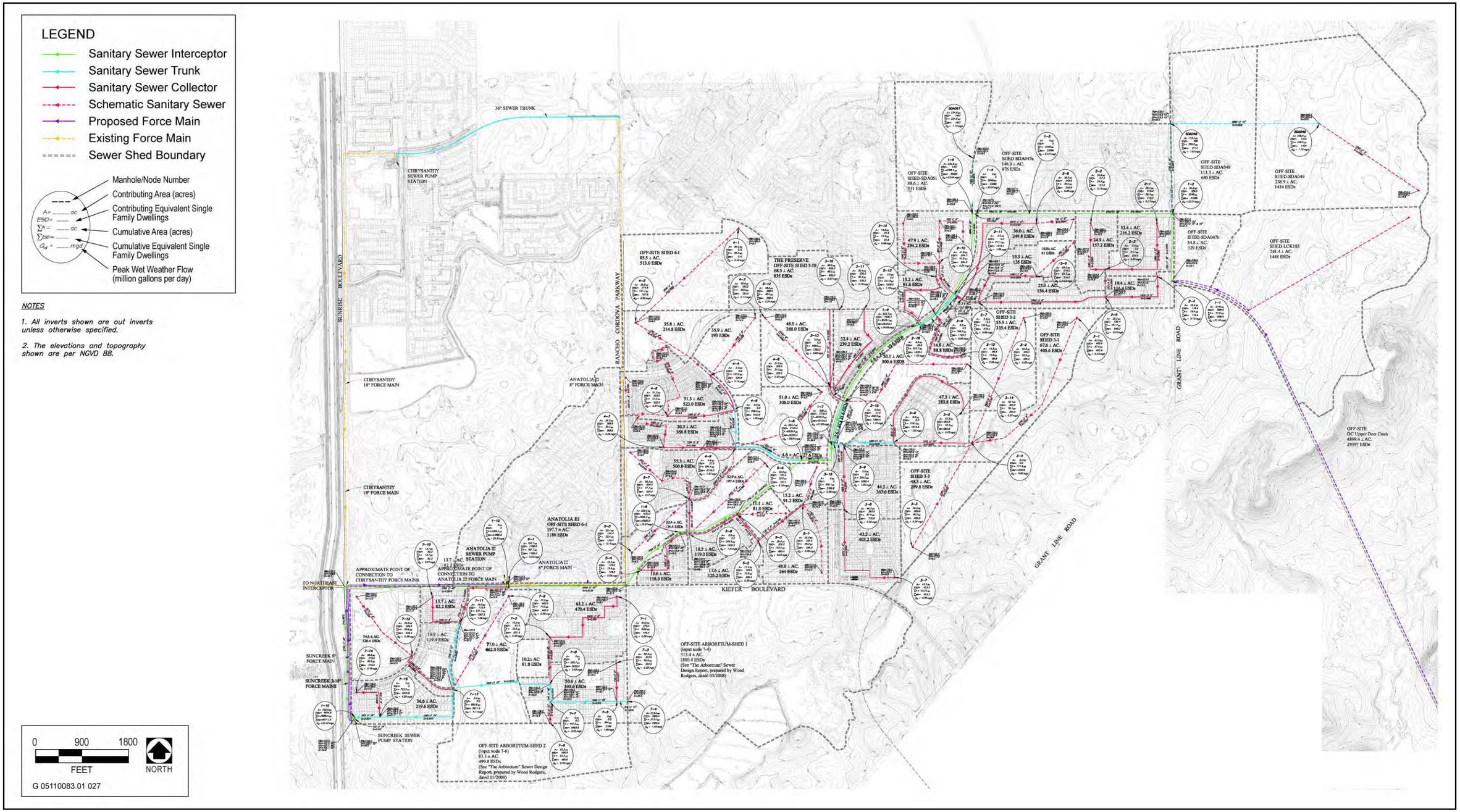
0 400

1 " = 400 '

ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

Location: N:\2009\2009-142 Sun Creek SP (SCOG)\MAPS\WETLAND_DELINEATION\V3\SCSP_Smith_WD_11x17.mxd (KOrtega 12/7/2010)

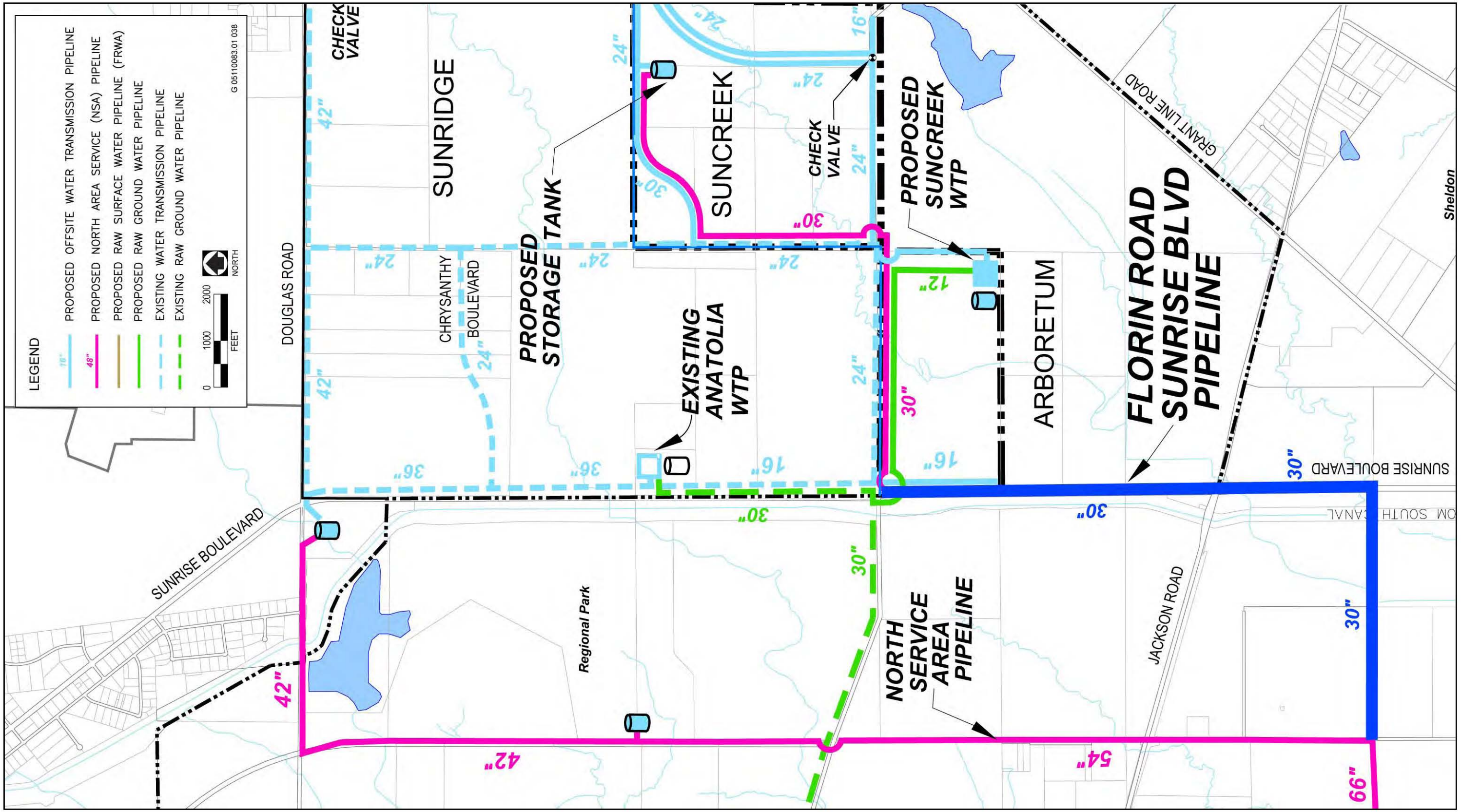
Map Date: 12/7/2010



Source: MacKay & Somps 2009

Proposed Sanitary Sewer Plan **Exhibit 2-16**

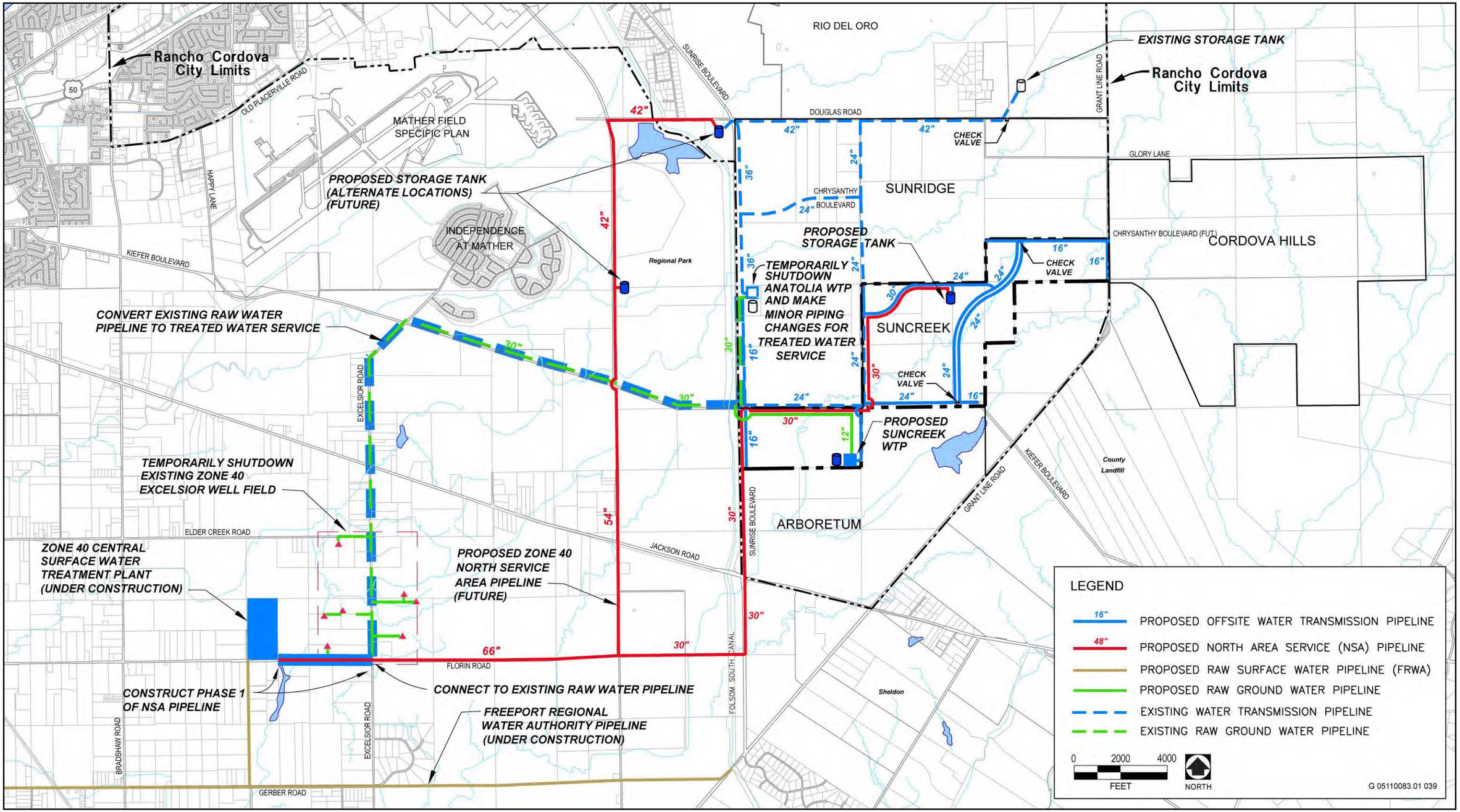
Figure 10 of 19



Source: MacKay & Somps 2011b

Proposed Off-Site Florin Road/Sunrise Boulevard Water Pipeline **Exhibit 2-11**

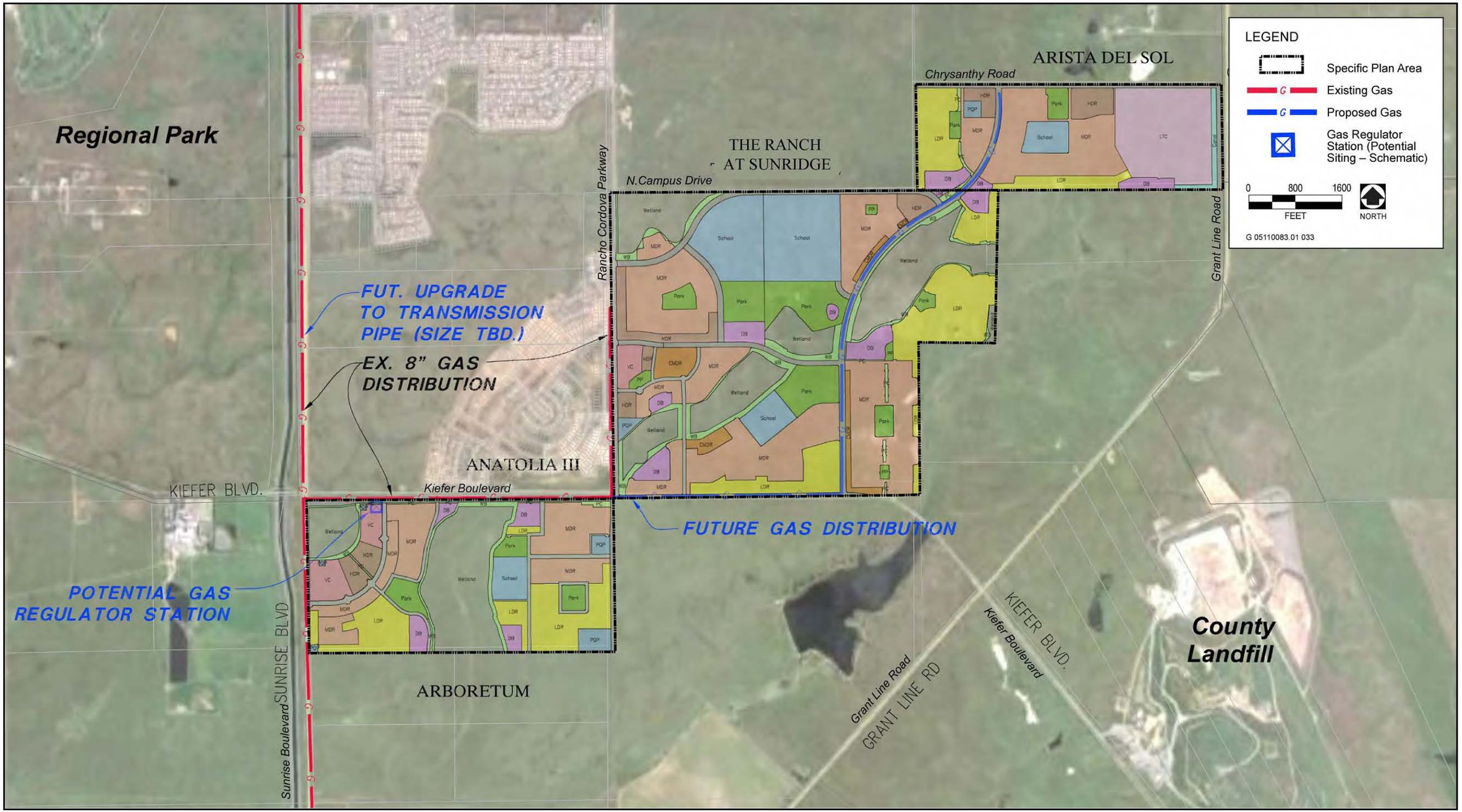
Figure 11 of 19



Source: MacKay & Somps 2011b

Proposed Off-Site Anatolia Pipeline Conversion **Exhibit 2-13**

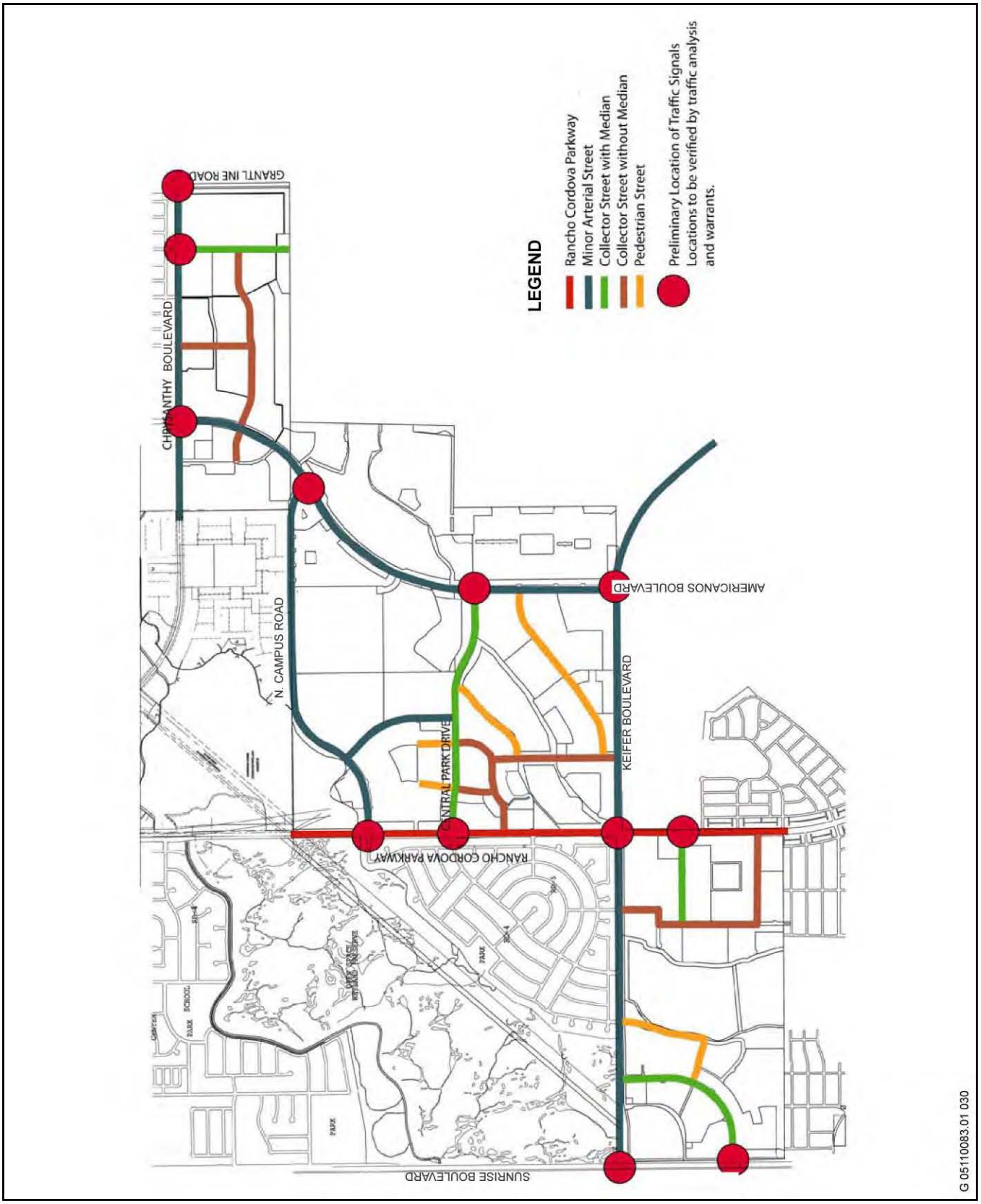
Figure 12 of 19



Source: MacKay & Somps 2012

Proposed Natural Gas Facilities Plan **Exhibit 2-18**

Figure 13 of 19



Source: Wade Associates 2010

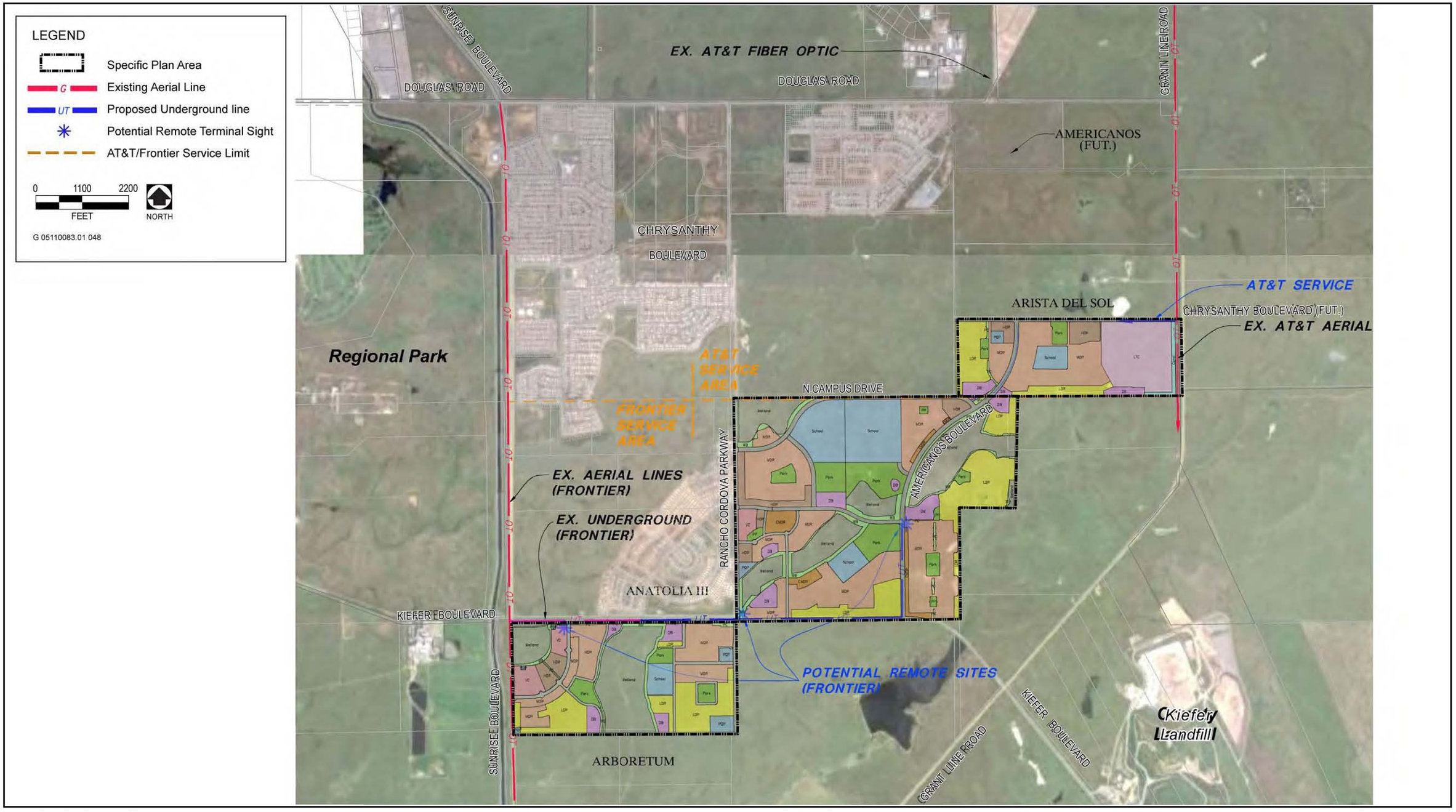
Proposed Major Roadway Circulation Plan **Exhibit 2-20**

Figure 14 of 19

Source: MacKay & Somps 2012

Proposed Electrical Facilities Plan **Exhibit 2-17**

Figure 15 of 19



Source: MacKay & Somps 2012

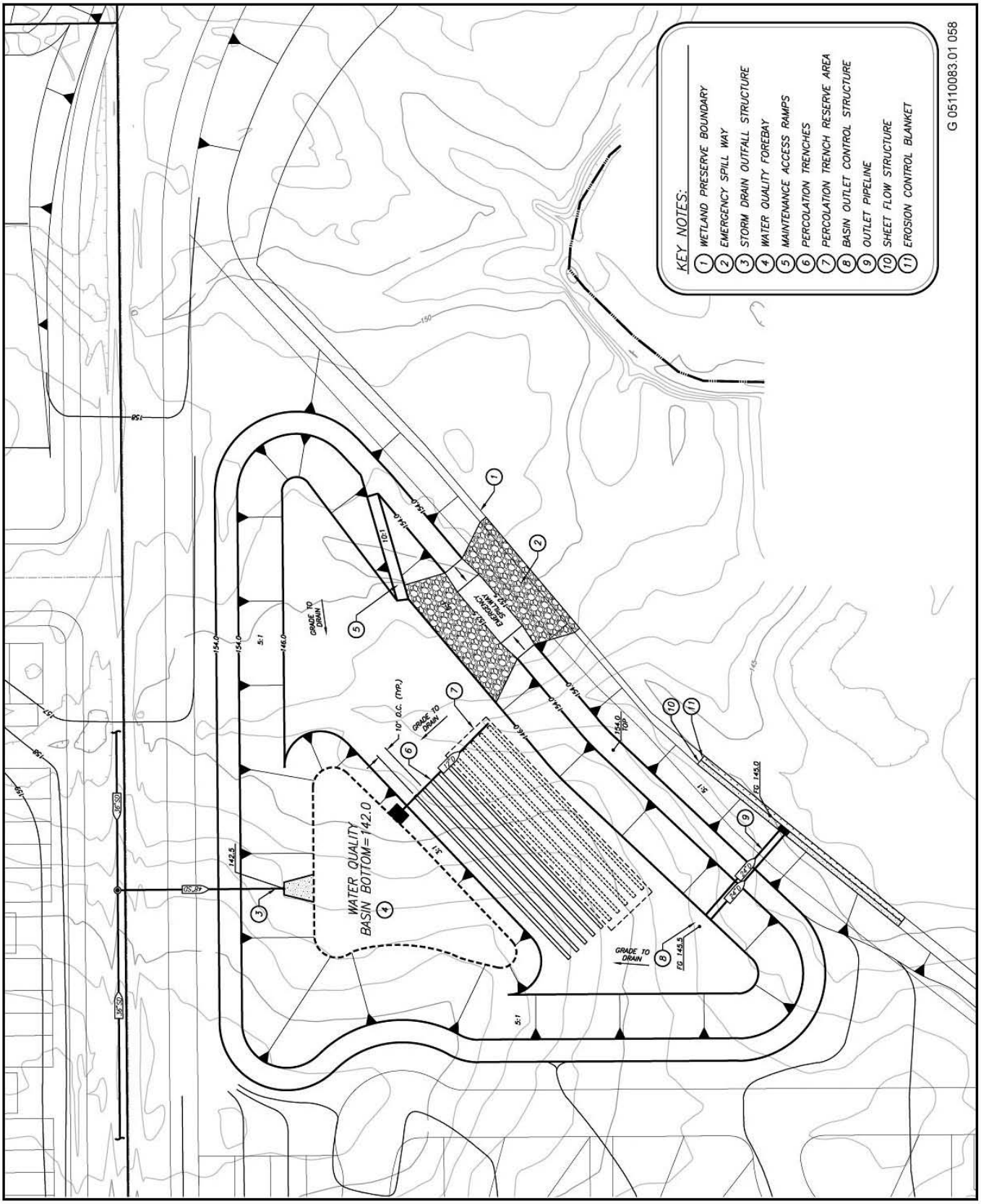
Proposed Communications Facilities Plan **Exhibit 2-19**

Figure 16 of 19

Source: Wade Associates 2010, Adapted by AECOM in 2010

Proposed Bike Trail Master Plan **Exhibit 2-21**

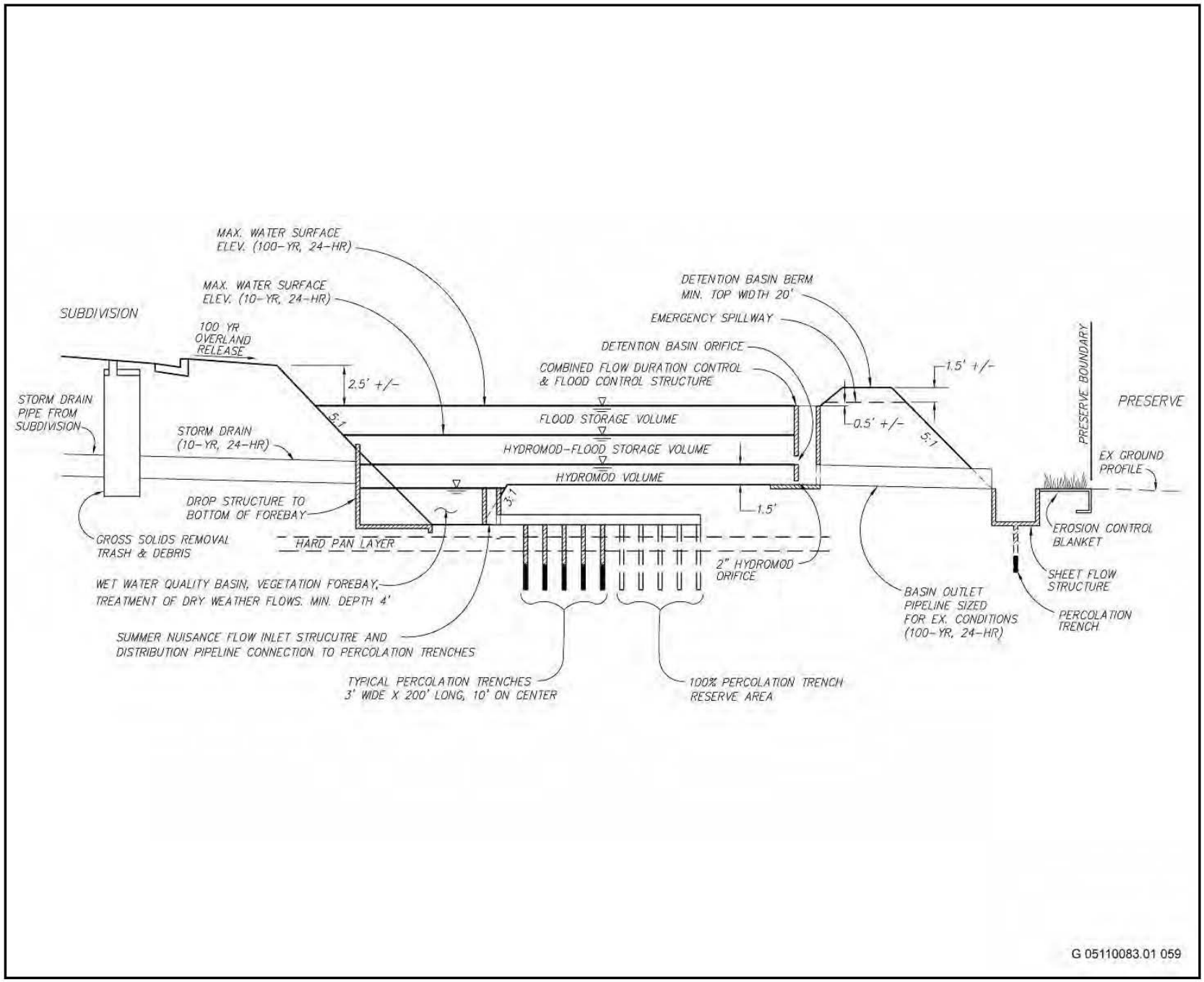
Figure 17 of 19



Source: MacKay & Somps 2011c

Typical Hydromodification Detention Basin Plan **Exhibit 2-6**

Figure 18 of 19



Source: MacKay & Somps 2011c

Cross-Section Detail of Typical Hydromodification Detention Basin

Exhibit 2-7