

Aerial Source: USGS High Resolution Orthoimagery: http://viewer.nationalmap.gov/basic. Data Source: NRCS Soils: http://websoilsurvey.asc.egov.usda.gov/App/WebSoilSurvey.aspx.

0 70 140



OAKMONT OF AGOURA HILLS - JURISDICTIONAL DELINEATION REPORT

3.0 DELINEATION RESULTS

3.1 Local Watershed

The survey area is located in the Medea Creek watershed (HUC 180701040102) within the larger Santa Monica Bay watershed (HUC 18070104). The un-named drainage conveys waters from upland residential areas and traverses through the property from north to south, en route to a culvert under US-101 to Medea Creek, and the Pacific Ocean.

3.2 Local Soil Types

The survey area is characterized by two (2) soil type that primarily consist of loams and sandy/silt loams (Figure 5). A brief description of the soil type is given below:

- URBAN LAND-CROPLEY, FILL COMPLEX 0 TO 8 PERCENT SLOPES, COMMERCIAL (437) The Cropley series consists of very deep, moderately well and well drained soils that formed in alluvium from mixed rock sources. Cropley soils are on alluvial fans, floodplains and in small basins. Slopes range from 0 to 15 percent. This soil association does not meet hydric criteria.
- URBAN LAND-SAPWI, LANDSCAPED-KAWENGA, LANDSCAPED COMPLEX, 0 TO 20
 PERCENT SLOPES, RESIDENTIAL (452) The Kawenga and Sapwi series consists of
 moderately deep to bedrock, well drained soils that formed in residuum and colluvium derived
 from sandstone. Sapwi soils are on hills and mountains. Slopes are 15 to 75 percent. This soil
 association does not meet hydric criteria.

3.3 Vegetation Communities

Habitats for plants and animals consist primarily of riparian woodland in the northern portion supplanted by annual and herbaceous cover in the remaining areas where it has been mechanically disced, or planted with landscape ornamentals and trees along the western property boundary.

The vegetative cover in the riparian area is virtually complete. This vegetation community is classified as valley oak woodland, which occurs valley bottoms seasonally saturated soils that may intermittently flooded, lower slopes, summit valleys. The drainage enters near the northwestern corner of the site where a terrace drain feeds surface water directly to the head of the drainage. Historically, the drainage may have continued further north, upstream, into the hills that are now developed as a residential subdivision and a system of terrace drains. The status of the flow regime of the original stream is unknown. Wetlands were identified within the riparian woodland in 2005 and were presumed to be fed by water associated with irrigation from private residences north of the project site that had percolated into the ground and either created, or augmented sub-surface water flows, emanating as a spring at the base of the fill slope. There, it flowed onto the surface under the riparian tree canopy, and saturates. Currently, there is no surface or subsurface flow of water within the riparian canopy and no wetlands were identified. The prolonged drought and related irrigation restrictions likely reduced the available water sources. Nevertheless, potential contributions from an unknown spring plus current irrigation practices continue to support a well-developed riparian community. Still, the lack of obligate wetland species and the emergence of coast live oak, European olive (Olea europaea), and Peruvian peppertree (Schinus molle) compared to species observed in 2005 suggest a transition to drier conditions.

The drainage continues south, downstream from the oak-willow woodland and contains a large patch of Baltic rush (*Juncus balticus*) (FACW), bristly ox-tongue (*Helminthotheca echioides*) (FAC) and an emergent valley oak. This vegetation community is classified as Baltic rush marsh, which occurs in wet and mesic meadows; along stream banks, rivers, lakes, ponds, fens, and sloughs; and freshwater, brackish, and alkaline marshes were soils are poorly drained, often with a thick, organic layer.

The remaining portion of the drainage continues south (downstream) from the Baltic rush marsh community and transitions into a native and non-native annual grasses and forbs vegetation community. Dominant species observed were various annual, non-native herbaceous plants such as bristly-ox tongue, Italian thistle (*Carduus pycnocephalus*), slender wild oats (*Avena barbata*) and Mediterranean mustard (*Hirschfeldia incana*). Few hydrophytic plants were observed, but not in numbers sufficient to meet the hydrophytic dominance criterion for wetland determination.

Two (2) small wetted areas were observed within the study area just north of the culvert and adjacent to a culvert outfall from the adjacent Center Court Medical Plaza. These areas supported hydrophytic species including southern cattail (*Typha domingensis*) (OBL) and a non-native dock (*Rumex* sp.) (OBL). The presence of these species appears to be directly attributable to irrigation and landscape practices from the adjacent development.

Table 1, Dominant Plant Species Including Wetland Indicator Status at All Plot Locations, lists the plant species that were determined to be dominant at the test plots, and gives their Wetland Indicator Status (Lichvar 2016).

<u>Table 1</u>
Dominant Plant Species Including Wetland Indicator Status at All Plot Locations

Scientific Name	Common Name	Indicator Status*
Avena barbata	slender oat	none
Helminthotheca echioides	bristly-ox tongue	FAC
Juncus balticus	Baltic rush	FACW
Malvella leprosa	alkali mallow	FACU
Quercus agrifolia	coast live oak	none
Quercus lobata	valley oak	FACU
Salix lasiolepis	arroyo willow	FACW
Typha domingensis	southern cattail	OBL
Vitis vinifera	wine grape	none

Codes:

OBL = Obligate Wetland - Occur almost always (estimated probability>99%) under natural conditions in wetlands

FACW = Facultative Wetland – Usually occur in wetlands (estimated probability 67%-99%), but occasionally found in non-wetlands.

FAC = Facultative - Equally likely to occur in wetlands or non-wetlands (estimated probability 34%-66%).

FACU = Facultative Upland – Usually occur in non-wetlands (estimated probability 67%-99%), but occasionally found in wetlands (estimated probability 1%-33%).

UPL = Obligate Upland - Occur in wetlands in another region, but occur almost always (estimated probability>99%) under natural conditions in non-wetlands in the region specified. If a species does not occur in wetlands in any region, it is not on the <u>National List</u>.

* None = Plant species not listed are considered UPL for wetland delineation purposes (Lichvar 2016).

3.4 Wildlife

Wildlife species observed during the survey of the site by Envicom in 2016 were species common or relatively common to the region. In general, species observed constitute a sample of the non-special-status wildlife species that can be expected to utilize habitats at the site for cover, foraging, and reproduction. Several species (e.g., reptiles, birds, small mammals) undoubtedly reproduce at the site, and a wide range of larger or mobile species can be expected to utilize the site's resources routinely, such as foraging raptors, and medium to large-sized mammals, such as for example striped skunk, coyote, and mule deer. Bird species observed consisted primarily of year-round and summer residents, and potential migrants. Several bird species likely nest at the site in any given year.

3.5 Jurisdictional Waters/Habitat

The ephemeral drainage would be regulated as a federal and state jurisdictional feature (**Table 2**, **Potential Jurisdictional Feature in Survey Area** and **Figure 8**). The drainage (DR1) appears to be hydrologically connected to the Pacific Ocean, which is navigable water. Therefore, the drainage is subject to both federal and state jurisdiction. Thus, all features observed were recorded per both ACOE and CDFW guidance. Within the survey area, data for five (5) soil test points were collected using ACOE methodology described above to delineate wetlands. One (1) area within the drainage met all three (3) ACOE wetland parameters (hydrophytic vegetation, hydric soils, and hydrology) to be classified as a wetland. Based on the results of the test plots, the remainder of the drainage does not meet wetland criteria and is classified as non-wetland waters, a significant departure from the previous 2005 report.

The drainage is incised in the northern portion of the site and conveys water from upland areas to the south and off-site via a culvert under Canwood Street. Here, the drainage has a discernible bed and OHWM indicators. Upland environs were determined based on the limits of upland indicators including breaks in the bank, drainage pattern, woody debris, and the development of soil. Riparian habitat associated with drainage includes the contiguous tree canopy, which is dependent on the perennial spring and irrigation flow. As the drainage trends to the south, including areas of mechanical discing, the channel flattens out and water is conveyed across the site through a loosely defined channel along the western margins of the property, bounded by fill from the adjacent site and landscape plantings. A box culvert from the adjacent development that drains into the project site had standing water and a well-established hydrophytic plant community. This water source drains into the main channel and provides a supplemental source that supports a wetland depression area just north of the culvert under Canwood Street.



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0 25 50 Feet

<u>Table 2</u> Potential Jurisdictional Feature in Survey Areas

	Location Coordin	•	Size**			
Feature	Latitude	Longitude	ACOE Non- Wetland Waters/RWQCB (Acres/Linear Feet)	ACOE Wetland Waters/RWQCB (Acres/Linear Feet)	CDFW Riparian (Acres/Linear Feet)	
DR1	34.148747	-118.766185	0.09/713	0.004/27	0.41/760	

^{*} North American Datum 1983, California State Plane Zone V. GPS coordinates are given for the upstream point of the feature as accessed during field survey.

^{**} Linear feet calculations are based on the centerline of the feature within the extent of the surveyed areas. CDFW Riparian habitat based on aerial and field assessment. ACOE/RWQCB value based on field assessment. Values are approximate due to rounding.

4.0 IMPACTS AND MITIGATION

4.1 Impacts

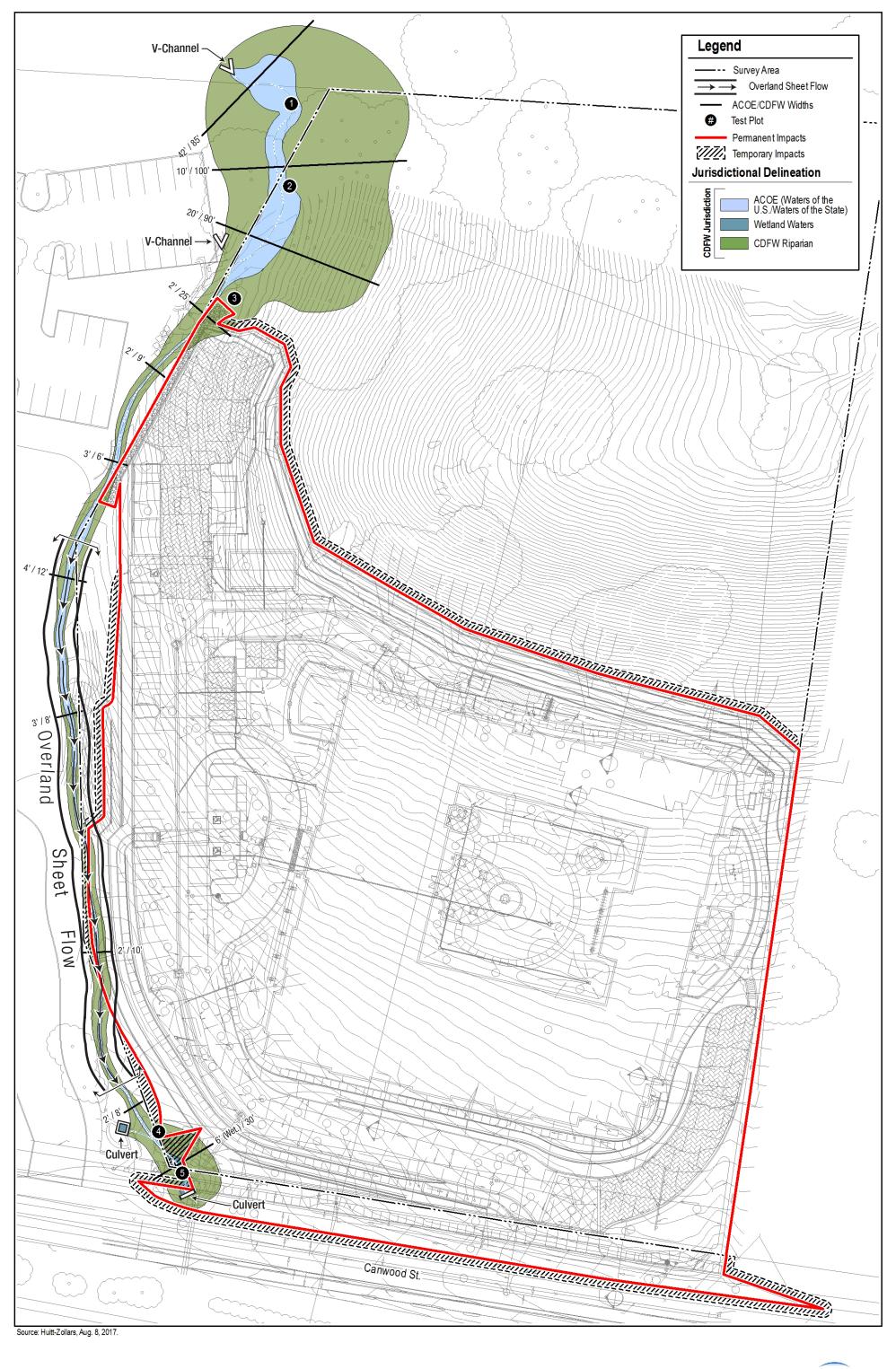
Based on the information provided in the project's Application, we understand the project includes the construction of a senior living facility. A site plan prepared by Huitt-Zollars dated August 8, 2017 is provided as Appendix 1.

As described above, Envicom conducted a jurisdictional delineation within the survey area. One (1) feature was identified within the survey area and delineated in accordance with the ACOE Wetlands Delineation Manual and the Regional Supplement. The project limits of disturbance are based on the limits of disturbance overlaid on potential jurisdictional areas as illustrated in **Figure 9**, **Jurisdictional Delineation Impacts Map**. Temporary impacts associated with the construction process include a five-foot buffer from the edge of the planned retaining walls and hydraulic energy dissipators on the western edge of the development. The jurisdictional acreage within the drainage that would be impacted by the project is provided in **Table 3**.

Table 3
Impacts to ACOE and CDFW Jurisdictional Areas

	Wetland Waters (Acres / Li		Non-wetla Waters (Acres / Li	of U.S.	CD (Acres / Li	- ' '
	Temporary	Permanent	Temporary	Permanent	Temporary	Permanent
DR1	0.002/87	0.001/44	0.002/87	0.004/174	0.013/566	0.034/1,481

The proposed project's impacts to potential jurisdictional areas would be subject to the review and approval of the Trustee Resource Agencies. Impacts to jurisdictional areas would be considered a significant impact. Implementation of Mitigation Measure (MM) BIO-1 would reduce potentially significant impacts to a less-than-significant level.



4.2 Recommended Mitigation Measures

The following mitigation measures are recommended to reduce potentially significant impacts to a less than significant level:

BIO -1(a) Agency Consultation: The applicant shall (prior to issuance of grading permits) consult with CDFW, ACOE, and the RWQCB and obtain applicable permits for the proposed impacts to jurisdictional waters. A Clean Water Act Section 404 permit would be required from the ACOE for the discharge of fill to any of the ACOE-jurisdictional wetlands or non- wetland waters of the U.S. onsite. Additionally, a Section 401 water quality certification would be required from the RWQCB. These permits typically require mitigation to reduce impacts to water quality and quantity, vegetation, and wildlife. The project applicant shall demonstrate to the City of Agoura Hills that the requirements of agencies with jurisdiction over waters and riparian habitat onsite can be met prior to obtaining grading permits. This will include, but not be limited to, consultation with those agencies, securing the appropriate permits, waivers or agreements, and arrangements with a local or regional mitigation bank including in lieu fees, as needed.

Although the ACOE and CDFW will require specific mitigation as part of their permitting processes, the following measures provide minimum mitigation requirements for impacts to the important water resources habitats under the City's jurisdiction.

- BIO-1 (b) Replacement Ratio. Federal and State protected waters and riparian habitat shall be replaced at a minimum ratio of 2:1 of habitat, at the same or greater quality, for every 1.0-acre removed. Replacement shall be at an Agoura Hills Planning and Community Development Department approved location or by providing adequate funding for the replacement of suitable equivalent habitat to an organization currently conducting restoration of habitat. The organization and its activities are to be approved by an Agoura Hills Planning and Community Development Department approved biologist prior to issuance of grading permits.
- BIO-1 (c) Habitat Mitigation and Monitoring Program. In the event that onsite mitigation is to be done instead of the use of in-lieu fees or offsite mitigation, the project applicant shall submit a Habitat Mitigation and Monitoring Program (HMMP) for review and approval by an Agoura Hills Planning and Community Development Department staff and, as necessary, a City approved biologist or qualified landscape specialist. The project shall implement the requirements of the final approved Habitat Mitigation and Monitoring Program, which shall mitigate for impacts to CDFW jurisdictional habitat and ACOE "non-wetland" Waters of the United States at a 2:1 ratio for permanent impacts and a 1:1 ratio for temporary impacts, or as otherwise approved by the Trustee Agencies.

The Habitat Mitigation and Monitoring Program shall mitigate for impacts to jurisdictional areas via an acceptable mitigation approach that involves one or a combination of the on-site or off-site restoration or enhancement of degraded in-kind habitats, preservation of in-kind habitats, or by a contribution to an in-lieu fee program approved by the City, ACOE, RWQCB, and the CDFW.

The final Habitat Mitigation and Monitoring Program shall be developed by a qualified biologist, restoration ecologist or resource specialist and submitted to and approved by the

City, ACOE, RWQCB, and CDFW, in compliance with Clean Water Act Sections 401 and 404 and California Fish and Game Code 1602 and supporting regulations, prior to issuance of a grading permit for the project. The Program shall be based on the ACOE Final Mitigation Guidelines and Monitoring Requirements (April 19, 2004) and the ACOE Los Angeles District's Recommended Outline for Draft and Final Compensatory Mitigation and Monitoring Plans. In broad terms, this Program shall at a minimum include:

- Description of the project/impact and mitigation sites;
- Specific objectives;
- Success criteria;
- Plant palette;
- Implementation plan;
- Maintenance activities;
- Monitoring plan; and
- Contingency measures.

Success criteria shall at a minimum be evaluated based on appropriate survival rates and percent cover of planted native species, as well as eradication and control of invasive species within the restoration area.

The target species and native plant palette, as well as the specific methods for evaluating whether the project has been successful at meeting the above-mentioned success criteria shall be determined by the qualified biologist, restoration ecologist, or resource specialist and included in the mitigation program.

The mitigation project shall be implemented over a five-year period and shall incorporate an iterative process of annual monitoring and evaluation of progress and allow for adjustments to the program, as necessary, to achieve desired outcomes and meet success criteria. Annual reports discussing the implementation, monitoring, and management of the mitigation project shall be submitted to the City, ACOE, RWQCB, and the CDFW. Five years after project start, a final report shall be submitted to the City, ACOE, RWQCB, and CDFW, which shall at a minimum discuss the implementation, monitoring and management of the mitigation project over the five-year period, and indicate whether the mitigation project has been successful based on established success criteria. The annual reports and the final report shall include asbuilt plans submitted as an appendix to the report. Restoration will be considered successful after the success criteria have been met for a period of at least 2 years without any maintenance or remediation activities other than invasive species control. The project shall be extended if success criteria have not been met at the end of the five-year period to the satisfaction of the City, ACOE, RWQCB, and the CDFW.

5.0 CONCLUSION

Based on the delineation, a total of approximately 0.094 acres (740 linear feet) are considered potential jurisdictional WOUS by the ACOE and WOS by the RWQCB and 0.41 acres (760 linear feet) are potential CDFW jurisdiction. Activities that affect the delineated features within the survey area would potentially be subject to requirements under Section 404 and 401 of the CWA and California Fish and Game Code section 1600 et seq.

6.0 REFERENCES

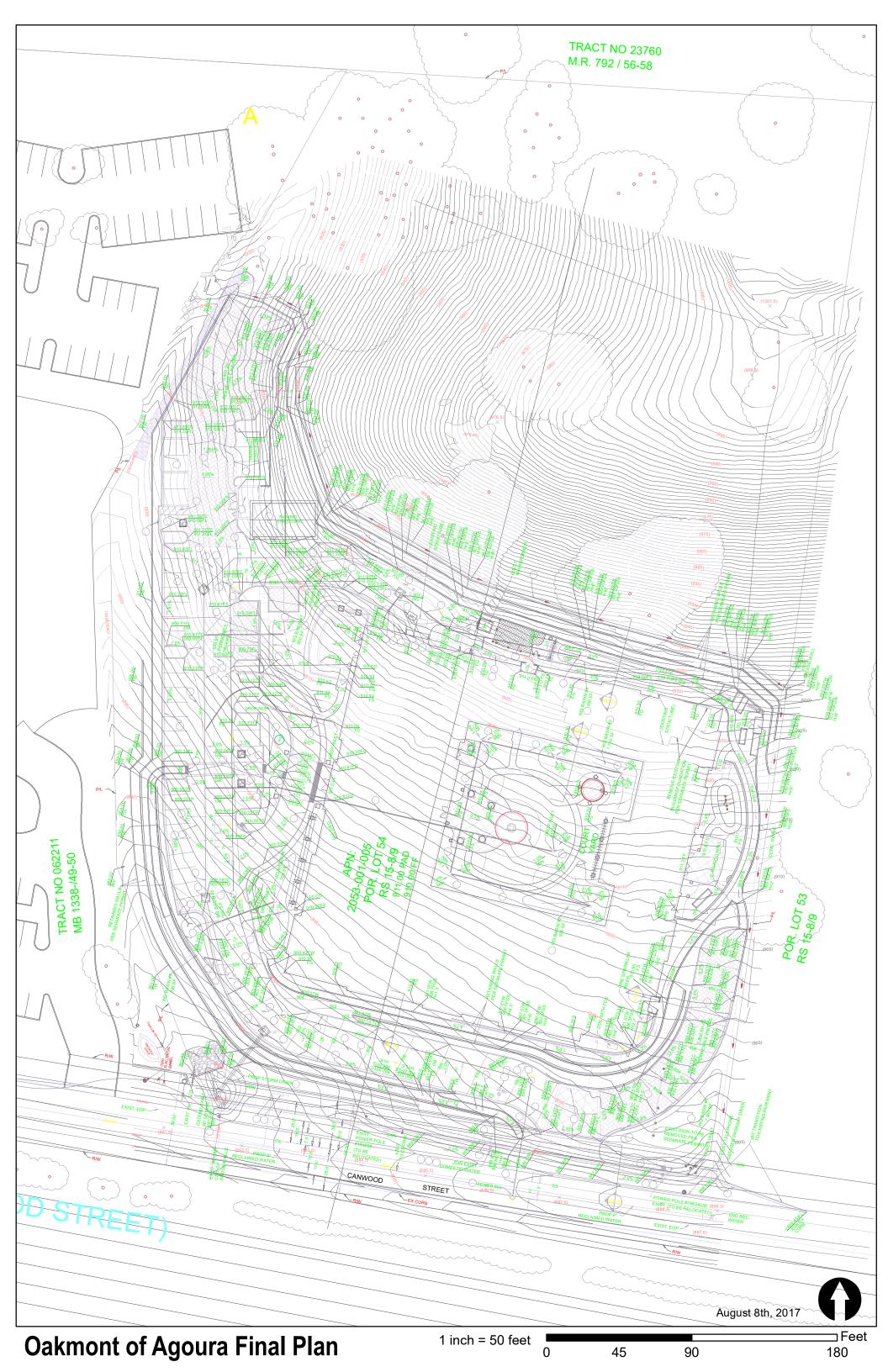
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APPENDIX 1

Site Plan, Huitt-Zollars, August 8, 2017



APPENDIX 2

Wetland Determination Data Forms

Project/Site: <u>DAKMONT</u> Stream / CANWOD		(Citv) Count	v: A600	RA HELLS		Sampling D	ata: /0/	131/16
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Investigator(s):		Section, To	ownship. Ra	ange: Las V				
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Are Vegetation	significantly	/ disturbed?		"Normal Circu	•		-	
Are Vegetation _ N , Soil _ N , or Hydrology _ N				eeded, explair				NO
SUMMARY OF FINDINGS - Attach site map								es, etc.
Hydrophytic Vegetation Present? Yes								<u> </u>
Hydric Soil Present? Yes	7		ie Sampled		_		/	
Wetland Hydrology Present? Yes		With	iin a Wetla	nd?	Yes	No		
Remarks:	, -0,						. /-	
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VEGETATION - Use scientific names of plan	its. N	logen	e wef	and,				
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		istic (A3)		Loamy Muc		al (F1)		Reduc	ced Vertic (F18)
-	Hydroge	en Sulfide (A4)		Loamy Gley	yed Matrix	(F2)			Parent Material (TF2)
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1	Depth (In Remarks: Streened For str HYDROLO Wetland Hy	indence of pre herously, en thuck legens				rough n	edur in	pore living. not mee	
	Depth (In Remarks: Sistence For Sin HYDROLO Wetland Hy Primary India	indence of pre herously, sh thank layens GY drology Indicators:			(y)	rough r	edur in	pore lunny. Hot mee	s but no other industration reg's
profession (School School Scho	Depth (In Remarks: Sistence For Signature HYDROLO Wetland Hy Primary India Surface	indence of pro- Philosopy, Shifted layers, GY drology Indicators; cators (minimum of communication)		check all that appl	y)(B11)	rough to	edur in	pore lunny. Hot mee Secol	s but no other indicated the puncional regis
	Depth (In Remarks: Second For Sfa HYDROLO Wetland Hy Primary India Surface High Wa	indence of pro- Period byers GY drology Indicators: cators (minimum of comparts) Water (A1) ater Table (A2)		: check all that appl	(B11) st (B12)		edur in	pore luning. not mee Secon	s bot no of her indicate I the principul regis Indary Indicators (2 or more required Water Marks (B1) (Riverine)
- Line Control	Depth (In Remarks: Second For Sfr HYDROLO Wetland Hy Primary India Surface High Wa Saturati	Hence of pre- Hence of pre- Hence by Paragram GY drology Indicators: cators (minimum of comparts) Water (A1) ater Table (A2) on (A3)	ne required	check all that appl Salt Crust Biotic Cru Aquatic In	(B11) st (B12) vertebrate	es (B13)	edur in	pore luning. not mee Secon V	s bot no other industration of the punicipum regis I the punicipum regis Indary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
private to the control of the contro	Depth (In Remarks: Second For Sfr HYDROLO Wetland Hy Primary India Surface High Water Mater Mat	Hemously, Shifted layers, GY drology Indicators; cators (minimum of comparts) Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriver	one required	check all that appl Salt Crust Biotic Cru Aquatic In	y) (B11) st (B12) vertebrate Sulfide O	es (B13)		pore luning. not mee Secol V	ndary Indicators (2 or more required Nater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10)
- And	Depth (In Remarks: Second For Start AUDROLO Wetland Hy Primary India Surface High Water Wa	Hemously, Shifted layers, GY drology Indicators; cators (minimum of comparer (A1) ater Table (A2) on (A3) larks (B1) (Nonriver on to Deposits (B2) (No	one required ine) nriverine)	check all that appl Salt Crust Biotic Crust Aquatic In Hydrogen	y) (B11) st (B12) vertebrate Sulfide O Rhizosphe	es (B13) Idor (C1) eres along	Living Roc	pore lungue not mee Secon Se	ndary Indicators (2 or more required Water Marks (B1) (Riverine) Orift Deposits (B3) (Riverine) Orajinage Patterns (B10) Ory-Season Water Table (C2)
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	Depth (In Remarks: Second For Sfa HYDROLO Wetland Hy Primary India Surface High Water M Sedimen Drift Del Surface Inundati Water-S Field Obser	Grudence of pre Revously, 29 Andred Lagens GY drology Indicators: cators (minimum of	one required ine) nriverine) rine)	check all that applications in the control of the c	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduct to Surface plain in Re	es (B13) Idor (C1) Idor (C1) Idor (C1) Idor (C1) Idor (C1) Idor (C7) Idor (C	J Living Roc 4) ad Soils (C6	Second S	ndary Indicators (2 or more required Nater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3)
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	Depth (In Remarks: Second For Sfa HYDROLO Wetland Hy Primary India Surface High Water M Sedimen Drift Del Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes cal	Grudence of pre Revously, 29 Andred Lagens, GY drology Indicators; cators (minimum of	ine) inei) inriverine) irine) Imagery (87 /es N /es N	Salt Crust Salt Crust Biotic Crust Aquatic in Hydrogen Oxidized F Presence Recent Irc Thin Muck Other (Ex) Depth (in	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduct on Reduct c Surface plain in Ro ches): ches):	es (B13) Idor (C1) Idor (C1) Idor (C1) Idor (C1) Idor (C1) Idor (C7) Idor (C	J Living Roc 4) ad Soils (Co	Second Se	ndary Indicators (2 or more required Nater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3)
- Park	Depth (In Remarks: Primarks: Primary India Surface High Water Water Water Water-S Field Obser Surface Water Water Table Saturation P (includes cal Describe Re	fruience of pre- fruience of control fruience of pre- fruience of pr	one required	Salt Crust Salt Crust Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Thin Muck Other (Exp	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduct on Reduct c Surface plain in Re ches): ches): photos, p	es (B13) idor (C1) eres along ed Iron (C ion in Tille (C7) emarks)	J Living Rock 4) ad Soils (Co	Second Se	ndary Indicators (2 or more required Nater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Originage Patterns (B10) Ory-Season Water Table (C2) Orayfish Burrows (C8) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3) FAC-Neutral Test (D5)
- T- M	Depth (In Remarks: Primarks: Primary India Surface High Water Water Water Water-S Field Obser Surface Water Water Table Saturation P (includes cal Describe Re	fruience of pre- fruience of control fruience of pre- fruience of pr	one required	Salt Crust Salt Crust Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Thin Muck Other (Exp	(B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduct on Reduct c Surface plain in Re ches): ches): photos, p	es (B13) idor (C1) eres along ed Iron (C ion in Tille (C7) emarks)	J Living Rock 4) ad Soils (Co	Second Se	ndary Indicators (2 or more required Water Marks (B1) (Riverine) Orift Deposits (B3) (Riverine) Originage Patterns (B10) Ory-Season Water Table (C2) Orayfish Burrows (C8) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3) FAC-Neutral Test (D5)

Project/Site: <u>OALMONT SEMION</u> / CHNWOD	
Applicant/Owner: Obskirrory SENIOR CIVING	State: CA Sampling Point: 7P2
Investigator(s): 7. ISMINS	Section, Township, Range: Las Vielenes Plvi Land REANT
Landform (hillslope, terrace, etc.): hallslope w/ dvaninge	Local relief (concave, convex, none): Concave Slope (%): 3
Subregion (LRR):	Lat: 37, 140 + 170 0 1 cong - 118, 16600 4 0 0 0 0 0 0 0
Soil Map Unit Name: Whan land-Sapari, landsenged-Kaw	wenger, landscaped complia, 0-20% rs. NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this	nis time of year? Yes No (If no, explain in Remarks.)
Are Vegetation	•
Are Vegetation, Soil, or Hydrology r	(10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -
	naturally problematic? (If needed, explain any answers in Remarks.) showing sampling point locations, transects, important features, etc
Hydrophytic Vegetation Present?	No. V
Hydric Soil Present? Wetland Hydrology Present? Yes N	Is the Sampled Area
Remarks:	10
Downstream from TPI - under reparison CA	pappy Seven dought conditions
,	'
VEGETATION 11- 11- 11-	
VEGETATION – Use scientific names of plan	
Tree Stratum (Plot size: 20'	Absolute Dominant Indicator Dominance Test worksheet: **Cover Species? Status Number of Deminant Covering the Cover Species Status Number of Deminant Covering the Covering t
1. Querus lopota	40 Y FACY That Are OBL FACW or FAC: 0
2. Querus agrifolis	30 Y NL
3. Fraxings latifolia	Total Number of Dominant Species Across All Strata: 3 (B)
4. Schimus molle	5 N' NL
Sapling/Shrub Stratum (Plot size: 15 /	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
1. Querus lobota	· · · · · · · · · · · · · · · · · · ·
2. OHA enropeA	2 N NV Total % Cover of: Multiply by:
3.	
4.	FACW species 10 x2= 20
5	FAC species x 3 =
Herb Stratum (Plot size: /º'	22 = Total Cover FACU species 60 x4 = 240
1. N/A -	UPL species <u>37</u> x5= <u>185</u>
2	Column Totals: 107 (A) 445 (B)
3.	Prevalence Index = B/A =
4	Hydrophytic Vegetation Indicators;
5	Dominance Test is >50%
6.	Prevalence Index is ≤3,0 ¹
7	Morphological Adaptations ¹ (Provide supporting
8	= Total Cover Problematic Hydrophytic Vegetation (Explain)
Woody Vine Stratum (Plot size:)	fundamental of the second of t
1. <u> </u>	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	= Total Cover Hydrophytic
% Bare Ground in Herb Stratum % Cover	
Remarks: Ground 100% covered of least little	
<i>f</i>	

	uthtion. (begoine t	o the depth r	needed to docu			or contirm	tne absence	or indicators.)
epth.	Matrix Color (moist)	%	Rede	ox Feature %		Loc ²	Texture	Remarks
nches)	LEAT LITTLE		Color (moist)	, 79	_IYPE_	LUC	Texture	leaf litter
-0		0 0	z-un 31.			- lac		m L
-3	10 YR 3/2		54R 3/4			Mype	clay loom	70073
-12_	10 1/2 3/v	100				•		Mark the second
						10-10-	21 -	
ype: C=Co	oncentration, D=Deple Indicators: (Applica	etion, RM≓Re ble to all I Ri	duced Matrix, C	S=Covere	o or Coate	a Sana Gr	ains. Lo	cation: PL=Pore Lining, M=Matrix. s for Problematic Hydric Soils³:
		ibie to all Ele	Sandy Rec		,			Muck (A9) (LRR C)
Histosol Histic Ed	oipedon (A2)		Stripped M					Muck (A10) (LRR B)
	stic (A3)		Loamy Mu		al (F1)			ced Vertic (F18)
	n Sulfide (A4)		Loamy Gle	-			Red P	arent Material (TF2)
Stratified	d Layers (A5) (LRR C)	Depleted N				Other	(Explain in Remarks)
	ick (A9) (LRR D)		Redox Dar					
	d Below Dark Surface	(A11)	Depleted E				31 12 1	or to do to to to one best and
	ark Surface (A12)		Redox Dep		,F8) .			of hydrophytic vegetation and hydrology must be present,
	lucky Mineral (S1)		Vernal Poo	มร (คอ)				fisturbed or problematic.
	Bleyed Matrix (S4) Layer (if present):		.				111000	social poor of prodictions.
SHICHYCI	Layer (ii present).			J.]	
Type:			-				I to adult a O a l	I Dunnanto Van
Type: Depth (in	drenul phakakur		Inc soils	Oxida hu	ain po	re lange,	<u>l. </u>	Present? Yes No V
Type: Depth (in	duence Indicator		Inc soils	Dx(du hr	n sh po	re langs,	<u>l. </u>	
Type: Depth (incomarks: /v Gold /	brenul phdicator		Inc soils	Dx(da hr	n in po	re linys,	<u>l. </u>	
Type:	brens / phdicator GY drology Indicators:	sol hyd			n ih po	re lenys,	Ast no	t on living roots.
Type:	GY drology Indicators: cators (minimum of or	sol hyd	heck all that app	oly)	n in po	re lenys,	but no	ndary indicators (2 or more required)
Type: Depth (incomarks: // Gold/ DROLO etland Hydicary Indicary Indicary	GY drology Indicators: cators (minimum of or	sol hyd	heck all that app	oly) t (B 1 1)	ain po	re lang,	but no	ndary indicators (2 or more required) Water Marks (B1) (Riverine)
Type: Depth (incomarks: // Gold incomarks: DROLO etland Hydical Surface High Wa	GY drology Indicators: cators (minimum of or Water (A1) ater Table (A2)	sol hyd	heck all that app Sait Crus Biotic Cru	oly) t (B11) ust (B12)		re lang,	Seco	ndary indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Depth (incomarks: Orodor DROLO etland Hydrary Indical Surface High Wa Saturation	GY drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3)	ne required; c	heck all that app Salt Crus Biotic Cru Aquatic fr	oly) t (B11) ust (B12) nvertebrate	es (B13)	re lange	Seco	ndary indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Depth (incomarks: DROLO etland Hydrary Indico High Wa Saturatic Water M	GY drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriverla	ne required; co	heck all that app Salt Crus Biotic Cru Aquatic fr Hydroger	oly) t (B11) ust (B12) nvertebrate n Sulfide C	es (B13)		Seco	ndary indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
DROLO Type: Depth (incomarks: Order DROLO Etland Hyrimary Indicate High Water Manager Mater Manager Mana	GY drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriverlint Deposits (B2) (Nonriverlint Deposits	ne required; conne)	heck all that app Salt Crus Biotic Cru Aquatic In Hydroger Oxidized	oly) t (B11) ust (B12) nvertebrate n Sulfide C Rhizosphe	es (B13) Idor (C1) eres along	Living Roo	Seco \ Seco \ Seco \ Seco \ Seco	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
DROLO Coldi Co	GY drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriverlint Deposits (B2) (Nonroesits (B3))	ne required; conne)	heck all that app Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence	oly) t (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduce	es (B13) Idor (C1) eres along ed Iron (C4	Living Roo	Seco \\ \text{Seco} \text{Vi} ts (C3) I	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
DROLO DROLO Etland Hymary Indic Surface High Water M Sedimer Drift Der Surface	GY drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriverli nt Deposits (B2) (Non posits (B3) (Nonriverli Soil Cracks (B6)	ne required; conne) ne) nriverine)	heck all that app Salt Crus Biotic Cru Aquatic in Hydroger Oxidized Presence Recent in	oly) t (B11) ust (B12) nvertebrate n Sulfide C Rhizosphe e of Reduct	es (B13) dor (C1) eres along ed Iron (C4 ion in Tille	Living Roo	Seco	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8)
Depth (incomarks: Or Gold/ DROLO ettland Hydrace High Water Many Saturatic Water Many Sedimer Drift Depth Surface Inundation	GY drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriverla to Deposits (B2) (Nonriverla Soil Cracks (B6) on Visible on Aerial Ir	ne required; conne) ne) nriverine)	heck all that app Salt Crus Biotic Cru Aquatic in Hydroger Oxidized Presence Recent Ir	oly) t (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduct on Reduct	es (B13) dor (C1) eres along ed Iron (C4 ion in Tille (C7)	Living Roo	Seco	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
Depth (incomarks: Or Gold / DROLO ettland Hydrace High Water M Sedimer Drift Dep Surface Inundati Water-S	GY drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriverla to Deposits (B2) (Nonriverla Soil Cracks (B6) on Visible on Aerial in stained Leaves (B9)	ne required; conne) ne) nriverine)	heck all that app Salt Crus Biotic Cru Aquatic in Hydroger Oxidized Presence Recent Ir	oly) t (B11) ust (B12) nvertebrate n Sulfide C Rhizosphe e of Reduct	es (B13) dor (C1) eres along ed Iron (C4 ion in Tille (C7)	Living Roo	Seco	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8)
DROLO etland Hydrace High Water M Sedimer Drift Deg Surface Unification Water Sedimer Unification Water-Sedi Obser	GY drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriverla to posits (B3) (Nonriverla Soil Cracks (B6) on Visible on Aerial in tained Leaves (B9) vations:	ne required; conne) uriverine) ine) magery (B7)	heck all that app Salt Crus Biotic Cru Aquatic in Hydroger Oxidized Presence Recent Ir Thin Muc	oly) t (B11) ust (B12) nvertebrate n Sulfide C Rhizosphe e of Reduce on Reduct k Surface k plain in Re	es (B13) Idor (C1) Peres along ed Iron (C4 Ion in Tille (C7) emarks)	Living Roo 4) d Soils (C6	Seco	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
Depth (incomarks: Orodor DROLO etland Hydinary Indical Surface High Water Marco Sedimer Drift Depth (incomarks) Surface Inundati Water-Seld Observated	GY drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriverla to Deposits (B2) (Nonriverla Soil Cracks (B6) on Visible on Aerial in tained Leaves (B9) vations: er Present?	ne required; conne) uriverine) ine) magery (B7)	heck all that app Salt Crus Biotic Cru Aquatic in Hydroger Oxidized Presence Recent Ir Thin Muc Other (E)	oly) t (B11) ust (B12) nvertebrate n Sulfide C Rhizosphe of Reduct on Reduct k Surface kplain in Re	es (B13) Idor (C1) Bres along Ed Iron (C4 Ion in Tille (C7) Emarks)	Living Roo 4) d Soils (C6	Seco	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
DROLO Type: Depth (incomarks: Order DROLO Stand Hyding India Surface High Water M Sedimer Drift Dep Surface Inundati Water-S Eld Obser Inface Water Table	GY drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) darks (B1) (Nonriverla nt Deposits (B2) (Non cosits (B3) (Nonriverla c	ne required; cone) ine) ine) magery (B7) es No.	heck all that app Salt Crus Biotic Cru Aquatic in Hydroger Oxidized Presence Recent in Thin Muc Other (Ex	oly) t (B11) ust (B12) nvertebrate n Sulfide C Rhizosphe of Reduct on Reduct k Surface kplain in Re nches):	es (B13) dor (C1) eres along ed Iron (C4 ion in Tille (C7) emarks)	Living Roo 4) d Soils (C6	Seco Se	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (incomarks: DROLO etland Hyrimary India Surface High Water M Sedimer Drift Der Surface Inundati Water-Seld Obserurface Water Table	GY drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriverla nt Deposits (B2) (Non cosits (B3) (Nonriverla soil Cracks (B6) on Visible on Aerial Ir stained Leaves (B9) vations: er Present? Present? Ye resent? Ye resent?	ne) magery (B7) magery No.	heck all that app Salt Crus Biotic Cru Aquatic in Hydroger Oxidized Presence Recent in Thin Muc Other (Ex	oly) t (B11) ust (B12) nvertebrate n Sulfide C Rhizosphe of Reduct on Reduct k Surface kplain in Re nches):	es (B13) dor (C1) eres along ed Iron (C4 ion in Tille (C7) emarks)	Living Roo 4) d Soils (C6	Seco Se	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3)
Depth (incomarks: DROLO etland Hymary India Surface High Water M Sedimer Drift Der Surface Inundati Water-Seld Obser rface Wat ater Table turation P cludes car	drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriverla nt Deposits (B2) (Non posits (B3) (Nonriverla Soil Cracks (B6) on Visible on Aerial In tained Leaves (B9) vations: er Present? Present? Yesent? Yesent?	ne) magery (B7) magery No.	heck all that app Salt Crus Biotic Cru Aquatic in Hydroger Oxidized Presence Recent in Thin Muc Other (Ex	oly) t (B11) ust (B12) nvertebrate n Sulfide C Rhizosphe of Reduct on Reduct k Surface kplain in Re nches):	es (B13) dor (C1) eres along ed Iron (C4 ion in Tille (C7) emarks)	Living Roo 4) d Soils (C6	Seco Se	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (incomarks: DROLO PROLO Patland Hydinary India Surface High Water M Sedimer Drift Depth (incomary India Water M Sedimer For India Mater Sedimer India Mater Sedi	GY drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriveri atorsits (B3) (Nonriveri Soil Cracks (B6) on Visible on Aerial in tained Leaves (B9) vations: er Present? Present? Ye polilary fringe) corded Data (stream	ne) nerequired; cl	heck all that app Salt Crus Biotic Cru Aquatic in Hydroger Oxidized Presence Recent in Thin Muc Other (E) Depth (in Depth (in	oly) t (B11) ust (B12) nvertebrate n Sulfide C Rhizosphe of Reduct on Reduct on Reduct ok Surface cplain in Re nches):	es (B13) Idor (C1) Peres along ed Iron (C4 ion in Tille (C7) Pemarks)	Living Roo 4) d Soils (C6	Seco	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS) Shallow Aquitard (D3) FAC-Neutral Test (D5)

Project/Site: <u>OMEMONT SENIOR/CANNOD</u>		- XA 1476L3 Sampling Date: 10/31/16
Applicant/Owner: OAKMONT SENIOR LIVING		State: CA Sampling Point: 793
Investigator(s): 7. BAKNS	Section, Township R	ange: Las Virgenes Civil Lamo GEANT
Landform (hillslope, terrace, etc.): dyression/hillslope/foe of st	De Local relief (concave	CORVEY POPO): CARRAGE CITY 2
Subregion (LRR): LRR C Lat:	34. 14853144	Long:
Soil Map Unit Name: Vrban land - Saperi, landsupped-Kawenga, 1	and reased comple n-20	Long
Are climatic / hydrologic conditions on the site typical for this time o	timorique congras o-207	NVVI classification: 10/14
Are Vegetation		·
Are Vegetation , Soil , or Hydrology naturally		"Normal Circumstances" present? Yes No
		needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showi	ng sampling point	locations, transects, important features, et
Hydrophytic Vegetation Present? Yes No		THE STATE OF THE S
Hydric Soil Present? Yes No	─ Is the Sample	/
Wetland Hydrology Present? YesNo	─ within a Wetla	nd? YesNo
Remarks:	dela	
773 18 located at contivence of concrete V	arren and primine	y drawage Colotion 1's at toe
Remarks: TP3 is located at confluence at Concrete V- at slape (east) and termines at oak woods	and (north ciderie	ant to developed area (uest). That is
VEGETATION – Use scientific names of plants.	475	evere aweght-continons
Tree Stratum (Plot size: 15') Absolu	ite Dominant Indicator er Species? Status	Dominance Test worksheet:
1. SMIL Jusiolegia 10	Y FALW	Number of Dominant Species That Are OBL, FACW, or FAC:
2. Queres 1. bata 10	Y FACU	
3		Total Number of Dominant Species Across All Strata: (B)
4,		
Sapling/Shrub Stratum (Plot size: 10' 20	= Totał Cover	Percent of Dominant Species That Are OBL, FACW, or FAC:
1. Querus /obata 2:	Y FALU	Prevalence Index worksheet:
2		T. 100 -
3.		OBL species 44011 x1= 44 78
4		FACW species
5		FAC species x3 =
Herb Stratum (Plot size:	= Total Cover	FACU species 12 x4 = 48
1. Juneus baltus 100	V	UPL species x 5 =
2	Y PACW	Column Totals: 122 (A) 268 (B)
3		Prevalence Index = B/A = 2, /9
4		Hydrophytic Vegetation Indicators:
5		Dominance Test is >50%
6		Prevalence Index is ≤3.0 ¹
7		Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8		
Woody Vine Stratum (Plot size:)	= Total Cover	Problematic Hydrophytic Vegetation¹ (Explain)
•		11-21-1-1-1
2		Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	= Total Cover	
	_	Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cover of Biotic	Crust	Present? Yes No
Remarks:	Aren appenses to	be pansitioning from weller aven
Pessicated Inners with emergent averus laborta.	100 11/100 - 10	Mansoland Jane order com
to drier splands		

Depth inches)	ription: (Describe	e to the dep	th needed to docu			or confirm	n the absence o	f indicators.)
inches)	Matrix Color (moist)	%	Redo Color (moist)	ox Features %	Type ¹ _	Loc ²	Texture	Remarks
· /	10 4 2/1	95	7,5 4P4/6			PL	clay long	
) - 6			40 17 17	- 			clay lorn	
-18	10 YR 2/1	100			••	·	CIAG 10HIC	
		· ·				 		
							1	
, /i,								
ype: C≃C	oncentration, D=De	epletion, RM	=Reduced Matrix, C	S=Covere	d or Coat	ted Sand G		ation: PL=Pore Lining, M=Matrix.
ydric Soll	Indicators: (Appl	icable to all			ed.)			or Problematic Hydric Soils*:
_ Histosol			Sandy Rec				_	uck (A9) (ŁRR C) uck (A10) (LRR B)
	pipedon (A2) istic (A3)	•	Stripped M Loamy Mu-		l (F1)	•		d Vertic (F18)
-	en Sulfide (A4)		Loamy Gle	-				rent Material (TF2)
	d Layers (A5) (LRF	R C)	Depleted M				Other (8	Exptain in Remarks)
	ick (A9) (LRR D)		Redox Dar	rk Surface	(F6)	•		•
	d Below Dark Surfa	ace (A11)	Depleted D				2	
_ Thick D	ark Surface (A12)		Redox Der		F8)			of hydrophytic vegetation and
_	Mucky Mineral (S1)		Vernal Poo	ols (F9)				ydrology must be present,
	Gleyed Matrix (S4)	·					uniess dis	sturbed or problematic.
lestrictive	Layer (if present)	;						
Туре:		,			*			
							Hydric Soil I	Present? Yes No
	ches):	dena for	gaptified h	Pryees.;	nearly	Vaisoin		on it convertinations in
Remarks: So.1 doe The por	es in-timect cr re linings.	sterna for	statified 1	Pryers;	nearly	Varforn		on it constitutions in
Remarks: Soldon The por YDROLO	es in timeet cr re linings. DGY		gratified h	Inyers;	nearly	Uniforn		
Remarks: Soldon The por YDROLO Vetland Hy	es in timect cr re linings. DGY rdrology Indicator	's:			newly	VANGOVA	n les except	on it construtions in
Remarks: Soldon The Por YDROLO Vetland Hy	es in ings. OGY redrology Indicator cators (minimum o	's:	id; check all that app	pły)	Newly	Vavlova	n les except	on it convertinations in dary Indicators (2 or more required)
temarks: Sold doe The por YDROLO Vetland Hy Primery Indi Surface	es in ingel Crack	's:	d; check all that app	pły) st (B11)	nearly	Vavlorn	n le/ except	on If Convertinations In dary Indicators (2 or more required) ater Marks (B1) (Riverine)
emarks: So / doe The por YDROLC Vetland Hy rimary Indi Surface High W	es in inject crack	's:	ed; check all that app Salt Crus Biotic Cru	ply) st (B11) ust (B12)		Unitour	Secon	on If Convertinations In dary Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine)
Primary India Surface High W. Saturati	ogy Included the second of th	's: f one require	ed; check all that app Salt Crus Biotic Cru Aquatic in	pły) st (B11) ust (B12) nvertebrate	es (B13)		Secon Secon	dery Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine)
Primary Indi Surface High Water Marks: YDROLC Yetland Hy Primary Indi Surface High W. Saturati Water M	Por Interfer Crack Crack Control of Cators (minimum of Water (A1) ater Table (A2) ion (A3).	s: f one require rerine)	ed; check all that app Salt Crus Biotic Cru Aquatic in Hydroger	ply) st (B11) ust (B12) nvertebrate n Sulfide C	es (B13) Odor (C1)		Secon	dary Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10)
Remarks: Soldon YDROLO Vetland Hy Primary Indi Surface High W Saturati Water N Sedime	Por Interfer Crack Control of Interfer Crackers (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrivent Deposits (B2) (Nonrivent Dep	s: f one require erine) Nonriverine)	ed; check all that app Salt Crus Biotic Cru Aquatic in Hydroger	ply) st (B11) ust (B12) invertebrate n Sulfide C	es (B13) odor (C1) eres alon	g Living Ro	Secon. Secon. Dr. Do	dary Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2)
Remarks: Soldon YDROLO YDROLO Vetland Hy Primary Indi Surface High W Saturati Water M Sedime Drift De	Por Interference of Interferen	s: f one require erine) Nonriverine)	ed; check all that app Salt Crus Biotic Cru Aquatic in Hydroger Dxidized Presence	ply) st (B11) ust (B12) invertebrate n Sulfide C I Rhizospha e of Reduc	es (B13) Idor (C1) eres alon ed Iron (g Living Ro	Secon Secon Secon Do Cots (C3) Do Co	dary Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8)
Primary Indi Saturati Water M Sedime Drift De Surface Surface Surface Surface Surface Surface Surface Surface	or Inlings. OGY Idrology Indicator Cators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrivent Deposits (B2) (Nonrivent Deposits (B3) (Nonrivent Soll Cracks (B6)	s: fone require rerine) Nonriverine) verine)	ed; check all that app Salt Crus Biotic Cru Aquatic in Hydroger Dxidized Presence Recent in	pty) st (B11) ust (B12) invertebrate n Sulfide C I Rhizosphe e of Reduc	es (B13) Odor (C1) eres alon ed Iron ('	g Living Ro	Secon W Se Di Oots (C3) Di C1 C6 S6	dery Indicators (2 or more required) ater Marks (B1) (Riverine) addiment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9)
PROLO POROLO Vetland Hy Inimary Indi Surface High W Saturati Water M Sedime Drift De Surface Inundati	or Inlings. OGY Idrology Indicator Idrology	s: fone require verine) Nonriverine) verine)	ed; check all that app Salt Crus Biotic Cru Aquatic in Hydroger Oxidized Presence Recent in	ply) st (B11) ust (B12) nvertebrate n Sulfide C I Rhizosphe e of Reduc ron Reduck Surface	es (B13) Odor (C1) eres alon ed Iron (tion in Til (C7)	g Living Ro	Secon W Di Oots (C3) Di C6 S6 S1 S1 S1 S1 S1 S1 S	dary Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8)
Primary Indi Surface High W Saturati Water M Surface Inundat Water-S	ry hard Cries Inlings. OGY rectors (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrivent Deposits (B2) (Noriries Soil Cracks (B6) ition Visible on Aericstained Leaves (B8)	s: fone require verine) Nonriverine) verine)	ed; check all that app Salt Crus Biotic Cru Aquatic in Hydroger Oxidized Presence Recent in	pty) st (B11) ust (B12) invertebrate n Sulfide C I Rhizosphe e of Reduc	es (B13) Odor (C1) eres alon ed Iron (tion in Til (C7)	g Living Ro	Secon W Di Oots (C3) Di C6 S6 S1 S1 S1 S1 S1 S1 S	dery Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) iff Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) nallow Aquitard (D3)
YDROLO Vetland Hy Surface High W. Saturati Water M. Surface Inundat Water-S Field Obse	ry horizon construction (A3) Marks (B1) (Nonrivent Deposits (B2) (Nonrivent Deposits (B6) (Nonri	s: fone require erine) Nonriverine) verine) al Imagery (E	d; check all that apr Salt Crus Biotic Cru Aquatic in Hydroger Oxidized Presence Recent in Thin Muc	ply) st (B11) ust (B12) nvertebrate n Sulfide C I Rhizosphe e of Reduc ron Reduck sk Surface xplain in R	es (B13) dor (C1) eres alon ed Iron (i tion in Til (C7) emarks)	g Living Ro C4) led Solis (C	Secon W Di Oots (C3) Di C6 S6 S1 S1 S1 S1 S1 S1 S	dery Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) iff Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) nallow Aquitard (D3)
Remarks: Soldon Primary Indi Surface High W Saturati Water M Surface Inundat Water-S Field Obse	ry horizon construction (A3) Marks (B1) (Nonrivent Deposits (B3) (Nonrivent Deposits (B6) (Nonri	s: fone require erine) Nonriverine) verine) al Imagery (E	d; check all that apr Salt Crus Biotic Cru Aquatic in Hydroger Oxidized Presence Recent in Thin Muc Other (E:	ply) st (B11) ust (B12) nvertebrate n Sulfide C I Rhizosphe e of Reduct ron Reduct ck Surface xplain in R	es (B13) dor (C1) eres alon ed Iron (i tion in Til (C7) emarks)	g Living Ro C4) led Solis (C	Secon W Di Oots (C3) Di C6 S6 S1 S1 S1 S1 S1 S1 S	dery Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) iff Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) nallow Aquitard (D3)
Primary Indi Surface High W Saturati Water M Surface Inundat Water-Sield Obse Gurface Water Table	or Inlings. OGY Idrology Indicator Cators (minimum of Water (A1) Ater Table (A2) Ion (A3) Marks (B1) (Nonrivent Deposits (B3) (Nonrivent Deposits (B6) Idron Visible on Aeric Stained Leaves (B5) Ivations: Iter Present?	s: fone require verine) Nonriverine) verine) al Imagery (E	d; check all that app Salt Crus Biotic Cru Aquatic in Hydroger Oxidized Presence Recent in Thin Muc Other (E: No Depth (i	ply) st (B11) ust (B12) invertebrate in Sulfide C Rhizosphe e of Reduct ron Reduct ck Surface xplain in R inches):	es (B13) odor (C1) eres alon ed Iron (tion in Til (C7) emarks)	g Living Ro C4) led Solls (C	Secon. — W — Se — Dr — Dr — Dr — Cr — Cr — Si — Si — Fr	dary Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
Remarks: Soldon YDROLO Vetland Hy Primary Indi Surface High W Saturati Water M Sedime Drift De Surface Inundat Water-Selid Obse Surface Wa Water Table Saturation Seliculus Seliculu	or Inlings. OGY Idrology Indicator Cators (minimum of Water (A1) Ater Table (A2) Ion (A3) Marks (B1) (Nonrivent Deposits (B3) (Nonrivent Deposits (B6) Idron Visible on Aeric Stained Leaves (B5) Ivations: Iter Present?	s: fone require erine) Nonriverine) verine) al Imagery (E	od; check all that approximate the control of the c	ply) st (B11) ust (B12) nvertebrate n Sulfide C I Rhizosphe e of Reduct ck Surface xplain in R inches): inches):	es (B13) dor (C1) eres alon ed Iron (tion in Til (C7) emarks)	g Living Ro C4) led Solis (C	Secon W Di Di Di Di Di Di Di	dary Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) raillow Aquitard (D3) AC-Neutral Test (D5)

Project/Site: DAKMON7 SEMOK / CANWOOD		City/0	Dounty: _ 4600	14 12 Sampling Date: 10/2/16
Applicant/Owner: DAKMONT SEMON LIMING				State: M Sampling Point: 7P4
				ange: LAS Virgenes Civil Lond GRANT
Landform (hillslope, terrace, etc.): hillslipe		Loca	l relief (concave	convey none). Caulave Slave 100). 7
Subregion (LRR): LRR C	Lat: 3	4.14	1721075	
Soil Map Unit Name: Urban land - Cropley, Fill Comp	יים אינו אינו אינו אינו אינו אינו אינו אינו	1 % 6	has some	Long://8.
Are climatic / hydrologic conditions on the site typical for th	in time and	70 8	10015, comme	NVVI classification: _/V ///
Are Vegetation	as unie or y	ear? Y		·
Are Vegetation	signilicantly	/ aistur		"Normal Circumstances" present? Yes No
				eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing	g san	apling point l	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? YesN	10 J.			
Hydric Soil Present? Yes N			Is the Sampled	•
Wetland Hydrology Present? Yes N			within a Wetla	nd? YesNo
Remarks:				
Pit bocated north of wheet under Con	rewood in	n ad	rea claminate	d by Hilminthothern echibides but
adjust to wet area. Area to theme	tilled	gorp	on of the	site
VEGETATION - Use scientific names of plan				
	Absolute	Dom	ninant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: ///)	% Cover	Spe	cies? Status	Number of Dominant Species
1. N/A	· - 			That Are OBL, FACW, or FAC:
2				Total Number of Dominant
3		-		Species Across All Strata: (B)
4				Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: /v'		_ = To	tal Cover	That Are OBL, FACW, or FAC: (A/B)
1. <u>r/A</u>				Prevalence Index worksheet:
2				Total % Cover of:Multiply by:
3,				OBL species x 1 =
4	-			FACW species x 2 =
5				FAC species <u>40</u> x3 = <u>120</u>
Herb Stratum (Plot size:)		_ = Tot	al Cover	FACU species 20 x4 = 80
1. Halminthe theer echiates	40	Y	FAC	UPL species x5=
2. Malvelle leprosp	_	4	FACU	Column Totals: <u>95</u> (A) <u>375</u> (B)
3. Bounus disadors		,K	NL	Prevalence Index = B/A =3, 9
4. AMA Barbote	20	Y	NL	Hydrophytic Vegetation Indicators:
5. Hohanthus annus	- 41	N		Dominance Test is >50%
6. Rumex Crispie	41	N		Prevalence Index is ≤3.01
7				Morphological Adaptations ¹ (Provide supporting
8				data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot size:)		= Tot	al Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
1				¹ Indicators of hydric soil and wetland hydrology must
2.	· 			be present, unless disturbed or problematic.
			al Cover	Hydrophytic
% Boro Ground in Harb Stratum		-		Vegetation
% Bare Ground in Herb Stratum % Cover Remarks:	of Biotic C	rust		Present? Yes No
· Lensing:				
				•

Depth	scription: (Describe	to the depth	needed to docu	ment the i	ndicator o	or confirm	the absence o	f indicators.)
			Red	ox Feature:	5			•
nches)	Color (moist)	<u>%</u>	Color (moist)	%	Type¹	Loc ²	Texture	Remarks
0-12	10 YR 3/3	95	104R 5/6	<u> 2.5 </u>	<u> </u>	M	Clay lown	
			10 42 5/2	2,5	_ <i>P</i>	M		
	3,00, 0,000		3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3					
••								
	-							
	4 	. —— -		··· ···		<u> </u>		
ype: C=	Concentration, D=Dep	letion, RM=F	leduced Matrix, C	S=Covered	or Coate	d Sand Gr		tion: PL=Pore Lining, M=Matrix.
	il Indicators: (Applic	able to all L			ed.)			or Problematic Hydric Soils ³ :
-	ol (A1)		Sandy Red Stripped M					ick (A9) (LRR C) ick (A10) (LRR B)
	Epipedon (A2) Histic (A3)			cky Minera	L/E4)	•		d Vertic (F18)
	gen Sulfide (A4)	,	Loamy Gle	-				ent Material (TF2)
	ied Layers (A5) (LRR (C)	Depleted N		V -7	1		xplain in Remarks)
	Muck (A9) (LRR D)	•	· ·	rk Surface	(F6)			
_ Deple	ted Below Dark Surfac	e (A11)	Depleted D	Dark Surfac	e (F7)		_	
_ Thick	Dark Surface (A12)			pressions (F8)			f hydrophytic vegetation and
	Mucky Mineral (S1)		Vernal Poo	ols (F9)				drology must be present,
	Gleyed Matrix (S4) e Layer (if present):	<u> </u>					unless dis	turbed or problematic.
coner	hons and depte	.,,,,,,,		97				/
DROL	OGY			. ,		· .		
etland F	lydrology Indicators:			 .				
etland F			check all that app	oly)		•	Second	lary Indicators (2 or more required)
etland H mary In Surfac	lydrology Indicators: dicators (minimum of c ce Water (A1)		Salt Crus	it (B11)			Second	iter Marks (B1) (Riverine)
etland H imary In Surfac	lydrology Indicators: dicators (minimum of c		Salt Crus	st (B11) ust (B12)			Second — Wa	ster Marks (B1) (Riverine) diment Deposits (B2) (Riverine)
etiand H imary In Surfac High V Satura	diverology Indicators: dicators (minimum of c se Water (A1) Water Table (A2) ation (A3)	one required;	Salt Crus Biotic Cru Aquatic I	st (B11) ust (B12) nvertebrate			Second — Wa — Se	ster Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine)
etland H Imary In Surfac High V Satura Water	dydrology Indicators: dicators (minimum of c se Water (A1) Water Table (A2) ation (A3) Marks (B1) (Nonriver	one required; rine)	Salt Crus Biotic Cru Aquatic II Hydroger	st (B11) ust (B12) nvertebrate n Sulfide O	dor (C1)		Second We Se Dri	ster Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10)
etland F imary In Surfac High V Satura Water Sedim	dydrology Indicators: dicators (minimum of c ce Water (A1) Vater Table (A2) ation (A3) Marks (B1) (Nonriver nent Deposits (B2) (No	one required; rine) onriverine)	Salt Crus Blotic Cru Aquatic II Hydrogei Oxidized	st (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe	dor (C1) res along		Second Wa Se Dri Dra bts (C3) Dra	ster Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2)
etland H imary In Surfac High V Satura Water Sedim Drift D	dicators: (minimum of content of the Water (A1) Vater Table (A2) Ation (A3) Marks (B1) (Nonriversient Deposits (B2) (Nonriversient Opposits (B3) (B3) (Nonriversient Opposits (B3) (B3) (B3) (B3) (B3) (B3) (B3) (B3)	one required; rine) onriverine)	Sait Crus Biotic Cru Aquatte II Hydrogei Oxidized Presence	st (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduce	dor (C1) res along ed Iron (C4	()	Second We War Se Dri Dra Drs (C3) Dra Cre	ater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8)
etland H imary In Surfac High V Satura Water Sedim Drift D	dicators (minimum of content of the Water (A1) Water Table (A2) Aution (A3) Marks (B1) (Nonriversent Deposits (B2) (Nonriverse Soil Cracks (B6)	ne required; ine) nriverine) rine)	Salt Crus Biotic Cru Aquatic II Hydrogei Oxidized Presence Recent Ir	st (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduce ron Reducti	dor (C1) res along ed Iron (C4 on in Tille	()	Second We Se Diff Draw Ots (C3) Craw Sa	ater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (C
etland F imary In Surfac High V Satura Water Sedim Drift D Surfac Inunda	dicators (minimum of content of the	ne required; ine) nriverine) rine)	Salt Crus Biotic Cru Aquatic II Hydrogei Oxidized Presence Recent Ir	st (B11) ust (B12) nvertebrate Sulfide O Rhizosphe of Reduce ron Reducti ck Surface	dor (C1) res along ed Iron (C4 on in Tille (C7)	()	Second We Se Diff Dr. Ots (C3) Dr. Cr. Sa Sh	ster Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (Callow Aquitard (D3)
etiand F mary In Surfac High V Satura Water Sedim Drift D Surfac Inunda	dicators: dicators: dicators (minimum of context) Water (A1) Water Table (A2) Ation (A3) Marks (B1) (Nonrivert) Ment Deposits (B2) (Nonrivert) Deposits (B3) (Nonrivert) Deposits (B6) Description Visible on Aerial Stained Leaves (B9)	ne required; ine) nriverine) rine)	Salt Crus Biotic Cru Aquatic II Hydrogei Oxidized Presence Recent Ir	st (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduce ron Reducti	dor (C1) res along ed Iron (C4 on in Tille (C7)	()	Second We Se Diff Dr. Ots (C3) Dr. Cr. Sa Sh	ater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (C
etland F imary In Surfac High V Satura Water Sedim Drift D Surfac Inunda Water	dicators: dicators: dicators (minimum of complete (MA1) Water Table (A2) Ation (A3) Marks (B1) (Nonriversent Deposits (B2) (Nonriverse Soil Cracks (B6) Action Visible on Aerial Stained Leaves (B9) Ervations:	ne required; rine) nriverine) rine) Imagery (B7)	Sait Crus Biotic Crus Aquatic In Hydroger Oxidized Presence Recent In Thin Muc	st (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduce ron Reducti ck Surface (xplain in Re	dor (C1) res along ed Iron (C4 on in Tilled (C7) emarks)	l) d Soils (C6	Second We Se Diff Dr. Ots (C3) Dr. Cr. Sa Sh	ster Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (Callow Aquitard (D3)
etland F imary In Surfac High V Satura Water Sedim Drift D Surfac Inunda Water	dicators: (minimum of come water (A1) Water Table (A2) Ation (A3) Marks (B1) (Nonriversent Deposits (B2) (Nonriverse Soil Cracks (B6) Action Visible on Aerial Stained Leaves (B9) Ervations: Vater Present?	one required; rine) onriverine) rine) Imagery (B7)	Sait Crus Biotic Crus Aquatic In Hydroger Oxidized Presence Recent In Thin Muc Other (Ex	st (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduce ron Reducti ck Surface (xplain in Re	dor (C1) res along ed Iron (C4 on in Tille (C7) emarks)	F) d Solis (Ce	Second We Se Diff Dr. Ots (C3) Dr. Cr. Sa Sh	ster Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (Callow Aquitard (D3)
etland F imary In Surface High V Satura Water Sedim Drift D Surface Inunda Water eld Obs urface W ater Tab	dicators (minimum of one Water (A1) Water Table (A2) Aution (A3) Marks (B1) (Nonriversent Deposits (B2) (Nonriverse Soil Cracks (B6) Aution Visible on Aerial Stained Leaves (B9) Ervations: Vater Present?	rine) nriverine) rine) Imagery (B7) //es N	Sait Crus Biotic Crus Aquatte In Hydroger Oxidized Presence Recent In Thin Muc Other (Ex	st (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduce con Reducti ck Surface (xplain in Re nches):	dor (C1) res along ed Iron (C4 on in Tiller (C7) emarks)	H) d Solis (C6	Second Wa Se Dri Drs Ots (C3) Drs Crs S) Sa Sh FA	ster Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (Callow Aquitard (D3) C-Neutral Test (D5)
Surface High V Satura Water Sedim Drift D Surface Inunda Water Water Water Feld Obs Aurface W Saturation	dicators (minimum of complete (A1) Water Table (A2) Ation (A3) Marks (B1) (Nonriverset (B2) (Nonriverset (B3) (Nonrivers	one required; rine) onriverine) rine) Imagery (B7)	Sait Crus Biotic Crus Aquatte In Hydroger Oxidized Presence Recent In Thin Muc Other (Ex	st (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduce ron Reducti ck Surface (xplain in Re	dor (C1) res along ed Iron (C4 on in Tiller (C7) emarks)	H) d Solis (C6	Second Wa Se Dri Drs Ots (C3) Drs Crs S) Sa Sh FA	ster Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (Callow Aquitard (D3)
etland F imary In Surface High V Satura Water Sedim Drift D Surface Inunda Water eld Obs rface W ater Tab	dicators (minimum of one Water (A1) Water Table (A2) Aution (A3) Marks (B1) (Nonriversent Deposits (B2) (Nonriverse Soil Cracks (B6) Aution Visible on Aerial Stained Leaves (B9) Ervations: Vater Present?	rine) nriverine) rine) Imagery (B7) 'es No 'es No	Sait Crus Biotic Crus Aquatic In Hydroger Oxidized Presence Recent In Thin Muc Other (Ex	st (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduce con Reducti ck Surface o xplain in Re nches):	dor (C1) res along ed Iron (C4 on in Tiller (C7) emarks)	d Soils (Ce	Second Wa Se Dri Dro Dro Cro So Sh FA	ster Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (Callow Aquitard (D3) C-Neutral Test (D5)
etland F imary In Surface High V Satura Water Sedim Drift D Surface Inunda Water eld Obs rface W ater Tab	dicators (minimum of complete (A1) Water Table (A2) Ation (A3) Marks (B1) (Nonrivertient Deposits (B2) (Nonrivertient Deposits (B3) (Nonrivertien (B4)) Ation Visible on Aerial (Stained Leaves (B9)) ervations: Vater Present? Present? Present? Yeapillary frince)	rine) nriverine) rine) Imagery (B7) 'es No 'es No	Sait Crus Biotic Crus Aquatic In Hydroger Oxidized Presence Recent In Thin Muc Other (Ex	st (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduce con Reducti ck Surface o xplain in Re nches):	dor (C1) res along ed Iron (C4 on in Tiller (C7) emarks)	d Soils (Ce	Second Wa Se Dri Dro Dro Cro So Sh FA	ster Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (Callow Aquitard (D3) C-Neutral Test (D5)
etland F imary In Surface High V Satura Water Sedim Drift D Surface Inunda Water eld Obs orface W ater Tab atturation cludes c escribe F	dicators (minimum of complete (A1) Water Table (A2) Ation (A3) Marks (B1) (Nonrivertient Deposits (B2) (Nonrivertient Deposits (B3) (Nonrivertient Visible on Aerial Stained Leaves (B9) ervations: Vater Present? Present? Present? Appillary fringe) Recorded Data (stream	rine) Imagery (B7) /es Now /es Now /es Now Imagery (B7)	Sait Crus Biotic Crus Aquatic In Hydroger Oxidized Presence Recent In Thin Muc Other (Ex	st (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduce con Reducti ck Surface (xplain in Re nches):	dor (C1) res along ed Iron (C4 on in Tiller (C7) emarks)	d Soils (Ce	Second Wa Se Dri Dro Dro Cro So Sh FA	ster Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (Callow Aquitard (D3) C-Neutral Test (D5)
etland Finary In Surface High V Satura Water Sedim Drift D Surface Inunda Water eld Obs reface W ater Tab sturation cludes o	dicators (minimum of complete (A1) Water Table (A2) Ation (A3) Marks (B1) (Nonrivertient Deposits (B2) (Nonrivertient Deposits (B3) (Nonrivertient Visible on Aerial Stained Leaves (B9) ervations: Vater Present? Present? Present? Appillary fringe) Recorded Data (stream	rine) Imagery (B7) /es Now /es Now /es Now Imagery (B7)	Sait Crus Biotic Crus Aquatic In Hydroger Oxidized Presence Recent In Thin Muc Other (Ex	st (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduce con Reducti ck Surface (xplain in Re nches):	dor (C1) res along ed Iron (C4 on in Tiller (C7) emarks)	d Soils (Ce	Second Wa Se Dri Dro Dro Cro So Sh FA	ster Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (Callow Aquitard (D3) C-Neutral Test (D5)
etiand F imary In Surfac High V Satura Water Sedim Drift D Surface Inunda Water eld Obs reface W ater Tab attration cludes c escribe F	dicators (minimum of complete (A1) Water Table (A2) Ation (A3) Marks (B1) (Nonrivertient Deposits (B2) (Nonrivertient Deposits (B3) (Nonrivertien (B4)) Ation Visible on Aerial (Stained Leaves (B9)) ervations: Vater Present? Present? Present? Yeapillary frince)	rine) Imagery (B7) /es Now /es Now /es Now Imagery (B7)	Sait Crus Biotic Crus Aquatic In Hydroger Oxidized Presence Recent In Thin Muc Other (Ex	st (B11) ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduce con Reducti ck Surface (xplain in Re nches):	dor (C1) res along ed Iron (C4 on in Tiller (C7) emarks)	d Soils (Ce	Second Wa Se Dri Dro Dro Cro So Sh FA	ster Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ft Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (Callow Aquitard (D3) C-Neutral Test (D5)

Project/Site: ONL MONT SENIOR / CANUOD		nty: <i>A60U</i>	ra Huis	Sampling Date: 10/31/16
Applicant/Owner: <u>DALMONT SEMOL LIVING</u>				Sampling Point:
Investigator(s):	Section.	Township, Ra		Paril Land Grant
Landform (hillslope, terrace, etc.): hollslope	Local re	lief (concave	convex none). Care	PAINE Slone (9/.)
Subregion (LRR): LRRC	Lat: 34, /47/	4482	Long: -118 766	259 7 Datum 6.8 9
Soil Map Unit Name: Urbanland - Cropky, Fill comp	10x 12 - 8 % ston	es maner	Long, / / / / / / / / / / / / / / / / / /	20 Datum: <u>12415 8 5</u>
Are climatic / hydrologic conditions on the site typical for the	10K, 0 - 0 70 250p	S. Commer	NWI classi	fication:
Are VegetationY, SoilY, or HydrologyY	is time of year? Yes		•	
Are Vegetation , Soil N, or Hydrology N				"present? Yes No
SUMMARY OF FINDINGS – Attach site map		•	eeded, explain any ansv	
			- auriseo	is, important reatures, etc.
Hydrophytic Vegetation Present? Yes	No Is	the Sample	d Area	1
Hydric Soil Present? Wetland Hydrology Present? Yes Yes	No wi	ithin a Wetla	nd? Yes\	No
Remarks:				
Pet located in submited area sout	h of exhert 1	rom ad	meent developmen	nt (w/water) and
and mostly of cultert under Coars.				
TIP TOPA SIEDMS.		000 399	NEW MENTS 18 - SOLA	
VEGÉTATION – Use scientific names of pla	nts.			
Tree Chesture /District		nt Indicator	Dominance Test wo	rksheet:
Tree Stratum (Plot size:) 1. Ma	% Cover Species		Number of Dominant	Species ,
			That Are OBL, FACW	/, or FAC: 2 (A)
3.			Total Number of Dom	inant 2
4			Species Across All St	inant trata: 3 (B)
Sapling/Shrub Stratum (Plot size:)	= Total (Cover	Percent of Dominant That Are OBL, FACW	
1. N/A	•		Prevalence Index wo	orksheet.
2.			Total % Cover of	
3.				x1=
4			3	x 2 =
5				x 3 =
Herb Stratum (Plot size: /0')	= Total C	Cover	FACU species	x 4 =
1. Helmonthe them exhibites	40 V	MH.	UPL species	x 5 =
2. Typho tota dominginsis	25 Y	- ND	Column Totals:	(A) (B)
2 Hela H a.		<u>BL</u> FACV	Prevalence Inde	ex = B/A =
4. Sortsola tragus	- 	FACU	Hydrophytic Vegeta	
5 Louis bothers	25 Y	FACW	✓ Dominance Test	
6. Malvelle legresa	5 N	FACU	Prevalence index	
7. Bromes diandres	2.5 N	NL	l —	laptations ¹ (Provide supporting
8. Avena bo-sata	2.5 N	NL	data in Remar	ks or on a separate sheet)
Woody Vine Stratum (Plot size:)	//o = Total C	over	Problematic Hydr	rophytic Vegetation ¹ (Explain)
•			Indicators of hydric o	oil and wetland hydrology must
2.			be present, unless dis	on and welland hydrology must sturbed or problematic.
	= Total C			'
\$100 00 11 11 11 11 11 11 11 11 11 11 11	_	~~	Hydrophytic Vegetation	
% Bare Ground in Herb Stratum % Cove	r of Biotic Crust		Present? Y	'es No
Remarks:	1 lander -	ann alla	en de de de	h M L han
Vegetarnon inay orrested to ingitaling	i landsvertjing F.	nora o appr	ent acceptance	1 1945 1105
** Bare Ground in Herb Stratum ** Cover Remarks: Vegetation likely attributed to importion, found depressoural aven.				
worn a di money				

			TD 5
	_		//

c	\sim	1	ı
a	u	1	ட

Depth	Matrix		Red	lox Features	š				
inches)	Color (moist)	%	Color (moist)	%	_Type ¹	Loc2	Texture	Remarks	
1-6	10 YR 3/3	95	10 4R 5/6	5	_ C	m	clay loum	nots	
1-18	10 42 3/2	95	10 725/6	25	<u> </u>	n			
			1045/2	2.5	D	pu			
		,							
					·				
	<u></u>								
	oncentration, D=Deplications					d Sand C	Brains. ² Loc	ation: PL=Pore Lining, M=Matrix. for Problematic Hydric Solls ³ :	
	,	able to all			eu.,			fluck (A9) (LRR C)	
Histosol (A1) Histic Epipedon (A2)		•	Sandy Redox (S5) Stripped Matrix (S6)						
	istic (A3)			icky Minera	(F1)	·	2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2)		
-	en Sulfide (A4)	-		eyed Matrix					
	d Layers (A5) (LRR	C)		Matrix (F3)				(Explain in Remarks)	
	uck (A9) (LRR D)	*		rk Surface (F6)			· ,	
	d Below Dark Surfac	ce (A11)		Dark Surfac				<u>.</u>	
	ark Surface (A12)		Redox De	pressions (l	F8)		³ Indicators	of hydrophytic vegetation and	
_ Sandy M	lucky Mineral (S1)		Vernal Po	ols (F9)			wetland	hydrology must be present,	
_ Sandy G	Gleyed Matrix (\$4)						unless d	isturbed or problematic.	
estrictive l	Layer (if present):								
Туре:								/ ~/	
Depth (in	ches):						11	Dunganta Van W No 12 V	
emarks: L <i>AM</i> hloo Hoo ao l	nume + larval bo	dies. Gir	ven drught con	udihous,	Ancero on od	bic cons	dihons no	longer present and	
		dies. Gir entron	ven drught com	adihous,	Ansero	bic cons h-cent	dilions no	longer present and	
DROLO	GY		ven drught com oppense displ	adihous, baced fro	Ansero	bic cons	dihons no	longe present and	
DROLO	GY drology Indicators	:	-		Ansero	bic const	dihons no	longe present and	
DROLO etland Hydrimary Indic	GY drology Indicators cators (minimum of	:	d: check all that ap	ply)	Ansero	heent	dihons no Contrahor Secon	longer present and	
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Biological Resources Assessment Report



Biological Resources Assessment Report Oakmont of Agoura Hills City of Agoura Hills, Los Angeles County, California

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Date: June 10, 2016

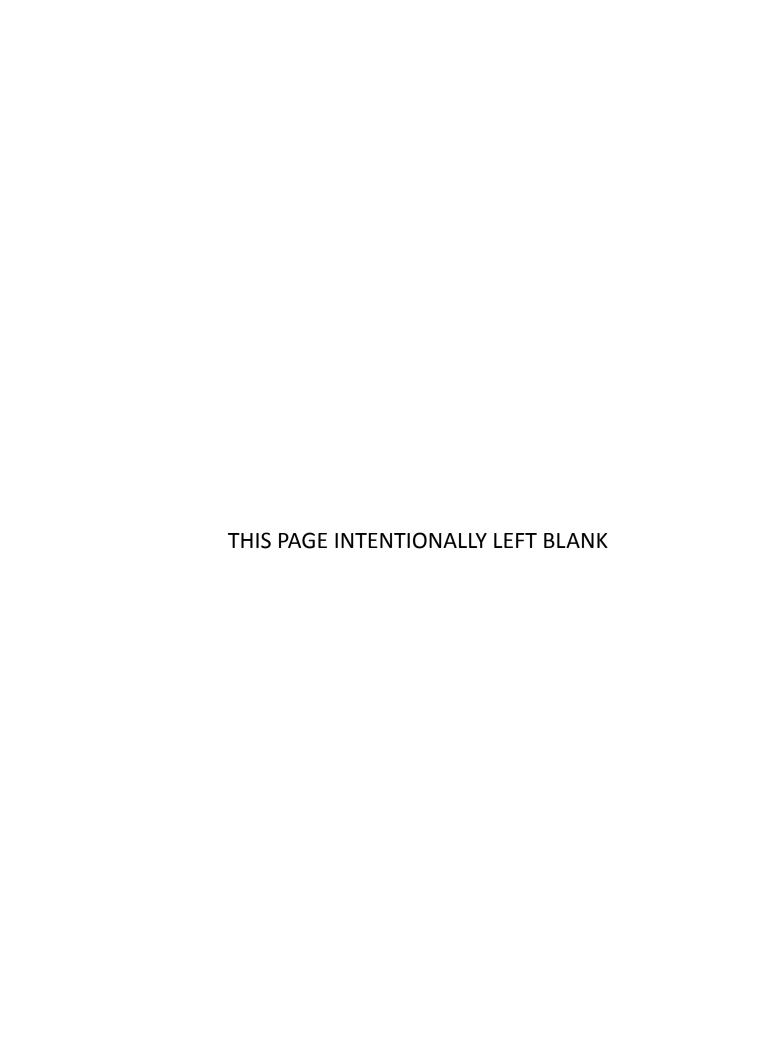
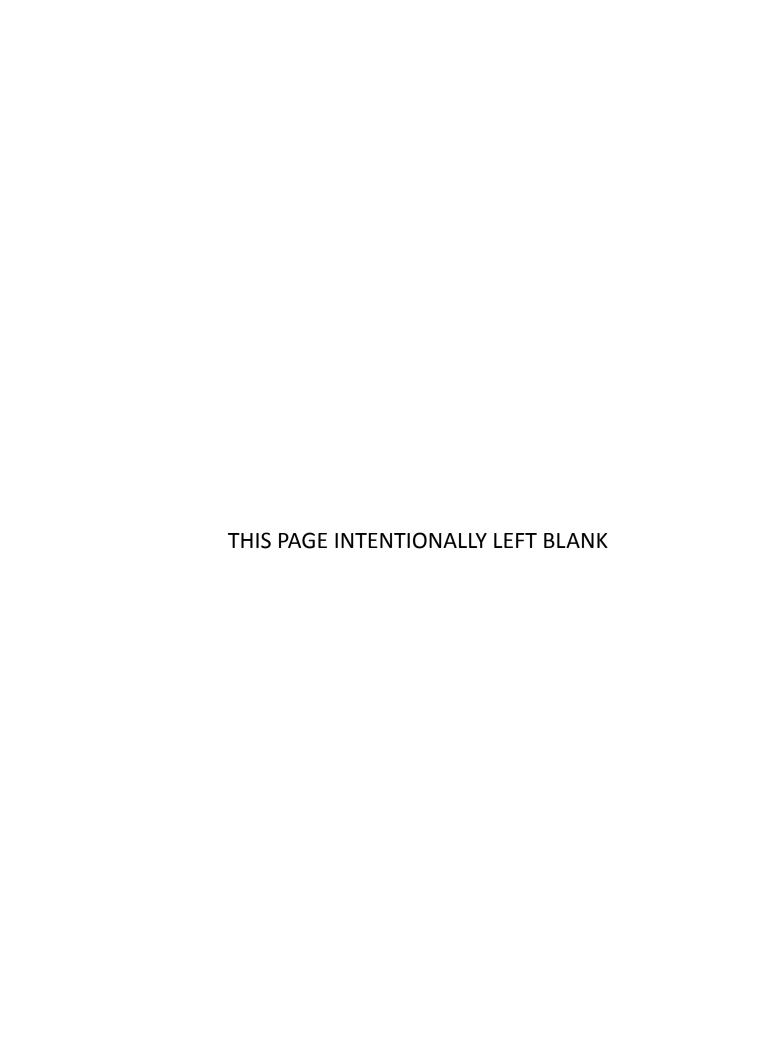


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ACRONYMS AND ABBREVIATIONS

BGEPA Bald and Golden Eagle Protection Act
CDFG California Department of Fish and Game

CDFW California Department of Fish and Wildlife

CEQA California Environmental Quality Act
CESA California Endangered Species Act

CNDDB California Natural Diversity Database

CNPS California Native Plant Society

CWA Clean Water Act
EO Executive Order

EPA United States Environmental Protection Agency

FESA Federal Endangered Species Act

FGC Fish and Game Code

MBTA Migratory Bird Treaty Act

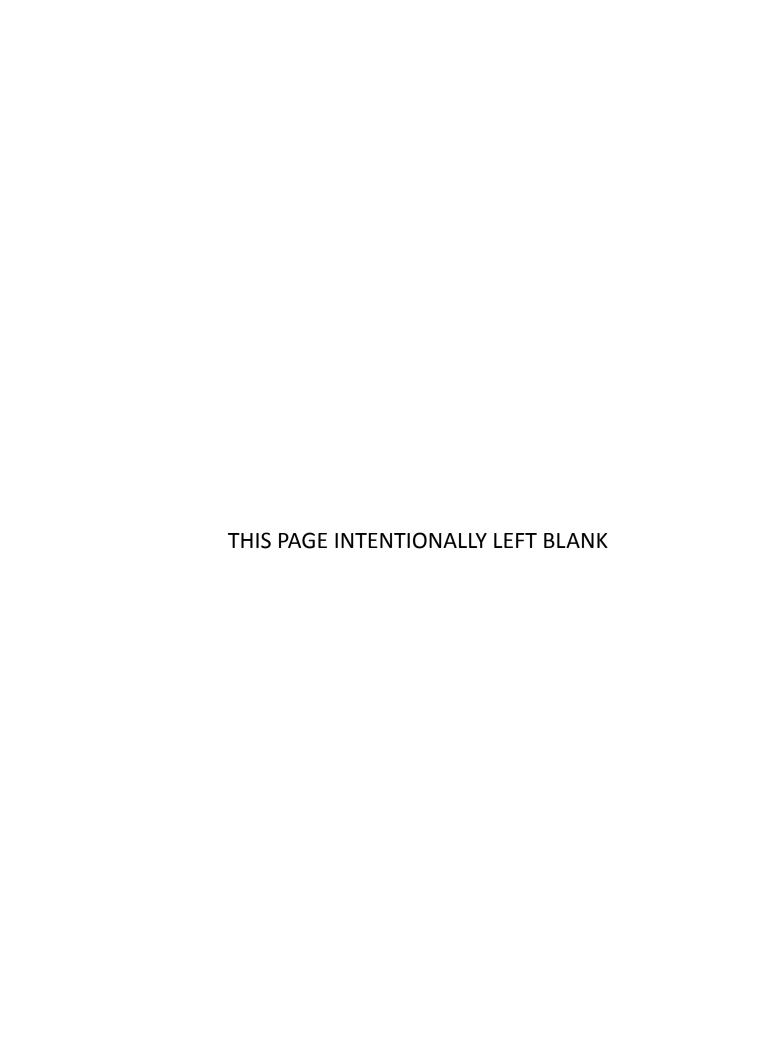
RWQCB Regional Water Quality Control Board
USACE United States Army Corps of Engineers

USC United States Code

USDA United States Department of Agriculture
USFWS United States Fish and Wildlife Service

USGS United States Geological Survey

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SECTION 1: INTRODUCTION AND BACKGROUND

Oakmont of Agoura Hills submitted an application to the City of Agoura Hills to develop an assisted living and memory care community at 29353 Canwood Street in Agoura Hills.

The State of California Department of Social Services will license the two-story structure as a Residential Care Facility for the Elderly. To facilitate the environmentally sustainable and regulatory-compliant construction of the project, FCS proposes to prepare technical studies analyzing the potential impacts of the proposed assisted-living facility on air quality, noise, and biological resources on-site.

This survey and report addresses potential impacts to biological resources by the proposed development of the site. Potential impacts to special-status plant or wildlife species known from the general area are specifically discussed.

1.1 - Project Location

The project site consists of 5.7 acres located within the city limits of Agoura Hills, California. The project site is bordered by an existing single-family residential development to the north, by commercial office land use to the west, and by a vacant, undeveloped parcel to the east. U.S. Highway 101 is immediately south of Canwood Street with commercial and light industrial uses located beyond. The project site is located in an unincorporated section of the City of Agoura Hills U.S. Geological Survey (USGS) Thousand Oaks 7.5-minute Quadrangle.

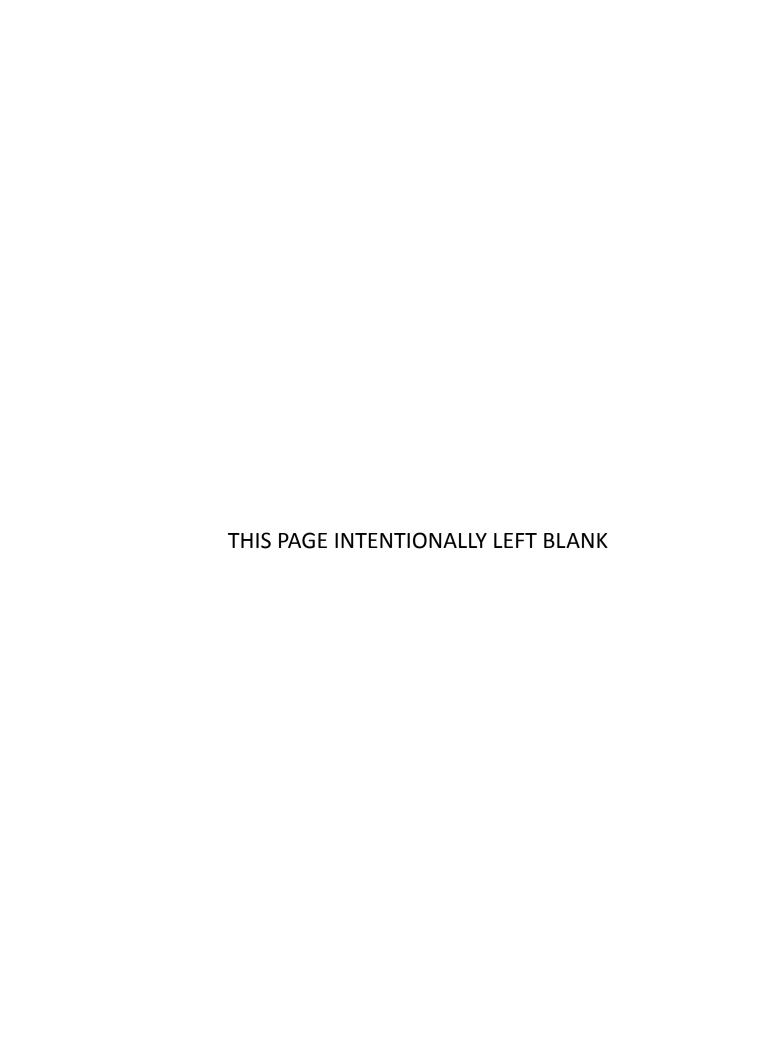
The site is bounded as follows:

- North—single-family residential development
- West—commercial office land use
- South—Canwood Street and U.S. Highway 101
- East—undeveloped parcel

1.2 - Project Description

Oakmont of Agoura Hills submitted an application to the City of Agoura Hills to develop an assisted living and memory care community (project) on a 5.7-acre site at the southwest corner of Haven Avenue and Church Street (Exhibit 1, Exhibit 2, and Exhibit 3). The State of California Department of Social Services will license the two-story structure as a Residential Care Facility for the Elderly.

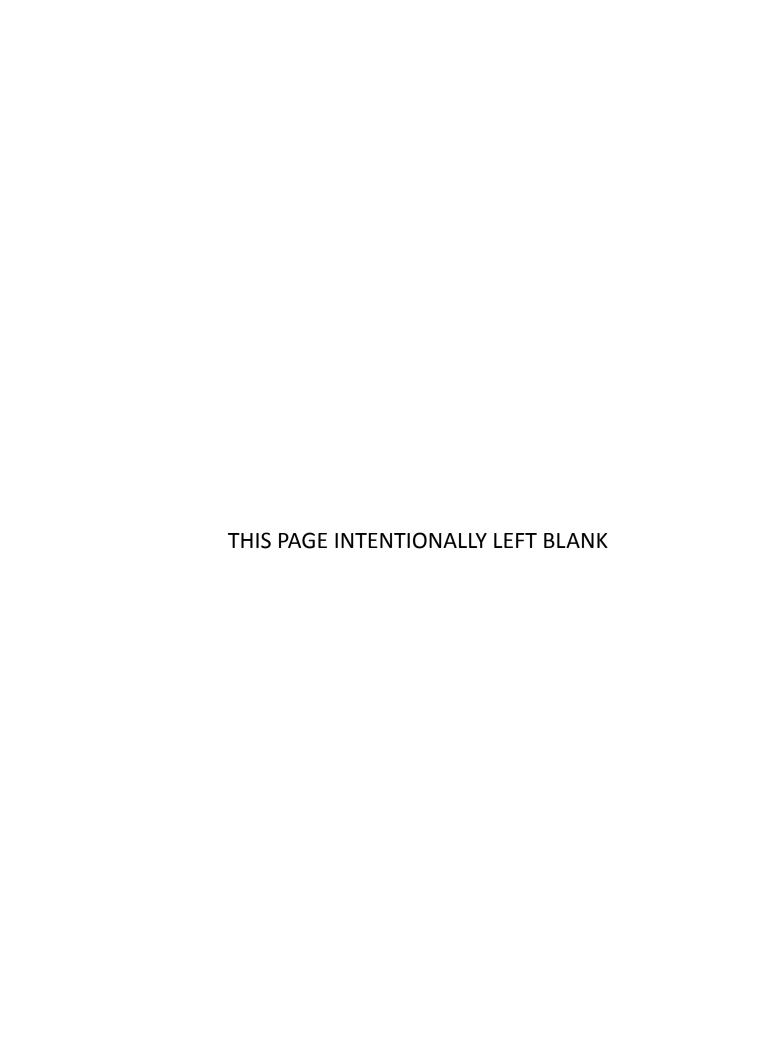
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Source: Census 2000 Data, The CaSIL, FCS GIS 2013.







Source: ESRI Imagery, 2014



Exhibit 2 Local Vicinity Map Aerial Base

