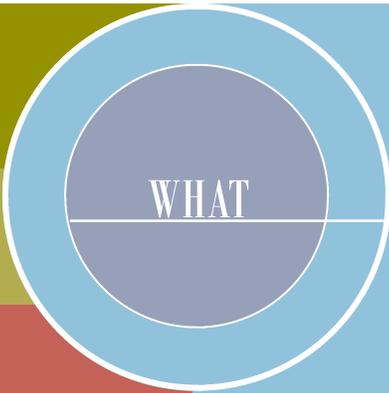


## APPENDIX A

### Public Meeting Flyers, Notes and Presentations

APPENDIX A-1  
Community Meeting #1  
(15 August 2013)



PUBLIC INPUT MEETING →

# Can the Sunnyvale Landfill be Used for New Recreational Activities?

The Sunnyvale Landfill, located near the SMaRT Station at Borregas Avenue and Caribbean Drive, is open to the public for activities like hiking, bicycling and birding. The City is now exploring the possibility of using the site for additional recreational uses, such as therapeutic animal interaction services by Animal Assisted Happiness, sports fields and fenced dog runs (Study Issue DPW 13-13). Please join us to provide input on possible uses for further study.

Attend this public input meeting and bring your ideas.



Sunnyvale Senior Center  
550 E. Remington Drive



Thursday, August 15  
7 – 8 p.m.



Questions?  
Call Department of  
Public Works at  
(408) 730-7415 or  
TDD (408) 730-7501



[Landfill.inSunnyvale.com](http://Landfill.inSunnyvale.com)



# **PUBLIC COMMENT SUMMARY**

## **City of Sunnyvale**

### ***Can the Sunnyvale Landfill be Used for New Recreational Activities?***

#### ***Council Study Issue DPW 13-13***

August 15, 7:00 p.m., Sunnyvale Senior Center, Laurel Room

#### **Meeting Focus: Public Input**

**1) Call to order.**

Manuel Pineda, Assistant Director of Public Works called the meeting to order at 7 p.m.

**2) Welcome and Introductions.**

**Community Members (23 attendees; 20 signed-in)**

**Consultants Attending:**

Fabrizio Settepani, Geosyntec Consultants, Inc.  
Sarah Thomson, Crawford Consulting, Inc.  
Mark Wheeler, Crawford Consulting, Inc.

**Staff Attending:**

Manuel Pineda, Assistant Director of Public Works  
Mark Bowers, Solid Waste Program Manager  
William Theyskens, Environmental Engineering Coordinator  
James Stark, Parks Division Manager  
Patricia Lord, Senior Management Analyst

**3) Presentation**

Project Lead, Manuel Pineda, provided an overview of the project with a power point presentation. The Sunnyvale Landfill, located near the SMaRT Station at Borregas Avenue and Caribbean Drive, is open to the public for activities like hiking, bicycling and birding. The City is currently exploring the possibility of using the site for additional recreational uses, such as therapeutic animal interaction services by Animal Assisted Happiness (AAH), sports fields and fenced dog runs (refer to Study Issue DPW 13-13 *Feasibility of Establishing a Community Animal Farm for Children at the Sunnyvale Landfill*).

**4) Summary of Public Comment**

The following is a summary of public comments regarding the Sunnyvale Landfill:

- The City needs to do something at the Landfill;
- Protect wildlife and rare sightings;
- It's the last wild place in Sunnyvale
- Signage is needed - educational and directional;

- Hunters/cyclists/dog owners not obeying the law;
- Concerned with hunters speeding on the levees;
- Safety issues with Water Pollution Control Plant (WPCP) and dogs off-leash in the area;
- Animal Assisted Happiness - “a beautiful idea”;
- Not supporting dog park or sports field;
- Better signage is needed and should have international symbols for better understanding;
- When parking lot is full, people get turned away
- Third Saturdays of the month (Hazmat program), and starting in October (hunting), parking lot is full.
- Work near the Landfill and frequently take walks/wildlife photography;
- Need to consider the burrowing owl habitat;
- Enjoy open space/hiking in the area;
- Concern/risk with dogs, especially off-leash;
- Support AAH in another location- consider another property in the Sunnyvale area/ not at the Landfill;
- Development poses critical issues for wildlife;
- AAH has barnyard animals; does not have dogs;
- AAH does not want dogs around their animals
- AAH shares barnyard animals with children with special needs;
- AAH co-exists with other wildlife;
- AAH needs minimum one acre;
- Autism community benefits from AAH services;
- AAH provides a service to the community with school field trips;
- Not interested in dog park at the Landfill;
- City already spent money studying dog park options, would be waste of taxpayer money to consider a dog park at the landfill
- Concerned about adding roads and parking;
- If childrens’ playground, people will drive there;
- Favors light use/low-impact uses;
- How will use fit in with Bay Trail;
- Has worked with special - needs children in schools; sees the need (AAH), and its low-impact.
- Doesn’t like jungle jim/swing idea, but really likes AAH idea.
- Doesn’t want to see paved roads;
- AAH has a huge impact on its volunteers; long trip to Gilroy;
- Highly impressed with work done to date;
- Keep the open space as natural as possible;
- Maintain light impact activities at the Landfill;
- Landfill is one of the few quiet places available and free (Baylands Park has an entrance fee);
- Consider connections with the Bay Trail;
- Provide directional/educational signs;
- Concern with litter w/ increased use;

- Site needs a restroom and drinking fountain;
- Opposed to dogs in the area/remote area/hard to patrol;
- ?Has there been a study on parking needs for AAH?
- Study will look conceptually at what needs will be;
- Contain AAH with minimal impact to the Landfill;
- Compare with the wetlands area in Mt. View for trails and signage;
- What would happen to Audubon Society and birding opportunities?
- Better signage is needed;
- Provide waste bags for dog owners to clean up after their dogs;
- Concerned about irresponsible cyclists and hunters;
- Park rangers needed; trends toward lawlessness;
- Does not support children playground at Landfill; keep the area natural for children;
- Supports AAH and programs for special needs;
- Study will need to look at all three hills and potential uses?
- For example, West Hill may lend better to AAH use;
- What is the future of the landfill? Still collecting gas;
- Does not support paved roads on West Hill if that is the site where AAH is being considered;
- Top deck of West Hill approximately two acres;
- AAH could be accessible with gravel road (not asphalt);
- Still need to consider air pollution/air quality with dust;
- Consider paragliding and hang gliding from the highest area on West Hill;
- Would love to have AAH; promotes community service and recognition of volunteer services;
- Need a survey to determine interest of Sunnyvale residents, then an analysis of results;
- 2009 Parks of the Future Study;
- Need a balance of open space and developed park space.

**Announcement made regarding Upcoming Meetings:**

- September 12, 2013 - Preliminary Findings
- November 13, 2013 - Parks and Recreation Commission Meeting
- December 10, 2013 - Sunnyvale City Council Meeting

The meeting adjourned at approximately 8:30 p.m.

Summary meeting notes prepared by:

*Patricia Lord*

Patricia Lord, Senior Management Analyst

# ***Landfill Recreational Uses***



***Community Meeting  
August 15, 2013***

# ***Agenda***

- n Introductions***
- n Background***
- n Landfill “Basics”***
- n Feasibility Analysis***
- n Next Steps***
- n Open Discussion***

# ***Background***

- n 2009 Consideration of Parks of the Future study report***
- n Council Study Issue - Funding***
- n Study Feasibility of Using the Sunnyvale Landfill for Recreational Purposes***
- n Request for Proposals to Hire a Consultant***
- n Contract Awarded July 16th***



# Project Description

- n **Analyze Possible Recreational Uses**
  - *Public improvements*
  - *Infrastructure*
  - *Construction*
- n **Animal Assisted Happiness**
  - *Children and their family members interact with animals to help alleviate physical or family challenges*
  - *Currently located in Gilroy*
- n **Other Possible Uses**
  - *Trails for biking, hiking, birding*
  - *Bicycle Moto-cross*
  - *Athletic fields*
  - *Dog park*
  - *Park amenities (tables, benches, drinking fountains)*



# Landfill “Basics”

- n **93 Acres**
- n **Closed In Eight Separate Phases from Mid 1980’s – 1994**
- n **Currently Designated as Public Facility for Recreation**
  - *Hiking*
  - *Bird watching*
- n **Four Different Zones**
  - *West Hill*
  - *Recycle Hill*
  - *South Hill*
  - *East Hill (not part of the study)*



# Landfill



West Hill

Recycle Hill

South Hill

East Hill

301 Carl Rd, Sunnyvale, CA 94089, USA

© 2013 Google

Google earth

37°25'03.61"N 122°00'37.94"W elev. 7 ft eye alt 6930 ft

# *Feasibility Analysis*

## *n Constraints*

- Gas collection system*
- Landfill final cover*
- Differential Settlement*
- Slopes*
- Depth of excavation*
- Groundwater wells*
- Minimize water use*
- Height limits*
- Animal habitat*

## *n Federal, State, and Local Agency requirements*



# ***Feasibility Analysis***

## **n Constructability Analysis**

- *Permitting*
- *Earthwork*
- *Foundations*



## **n Infrastructure**

- *Water*
- *Sanitary sewer*
- *Storm sewer*

## **n Transportation/Circulation**

- *Access*
- *Parking*
- *Emergency vehicles*

## **n Conceptual Costs**



# Recreational Options

- n *Animal Assisted Happiness*
- n *Additional Recreational Uses*
- n *Ideas?*



# ***Next Steps***

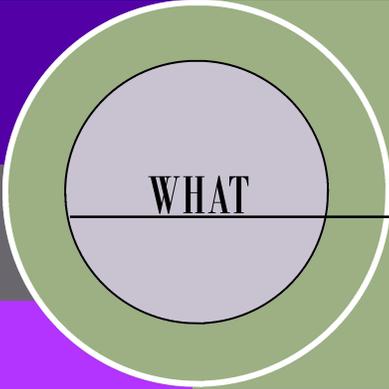
- n Refine Options and Select Alternatives***
- n Public Meeting on September 12th***
- n Complete Feasibility Analysis***
- n Parks and Recreation Commission in November***
- n City Council in December***

# ***Landfill Recreational Uses***



***Community Meeting  
August 15, 2013***

APPENDIX A-2  
Community Meeting #2  
(12 September 2013)



## PUBLIC OUTREACH MEETING

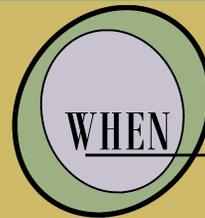
# Join the Discussion: Recreational Uses of the Landfill

The Sunnyvale Landfill, located near the SMaRT Station® at Borregas Avenue and Caribbean Drive, is open to the public for activities like hiking, bicycling and birding. The City is now exploring the possibility of using the site for additional recreational uses, such as: therapeutic animal interaction services by Animal Assisted Happiness, sports fields, bicycle motocross BMX area, and fenced dog runs. Please join the discussion with City staff and consultants on preliminary findings of possible uses of the Landfill for further study.

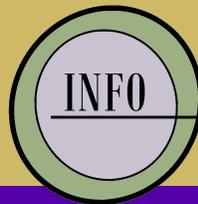
Attend this public outreach meeting on the feasibility of options.



Sunnyvale  
Community Center  
550 E. Remington



Thursday,  
September 12  
6:30 to 7:30 p.m.



Questions?  
Call Department of  
Public Works at  
(408) 730-7415 or  
TDD (408) 730-7501



[Landfill.inSunnyvale.com](http://Landfill.inSunnyvale.com)



***PUBLIC COMMENT SUMMARY***  
**City of Sunnyvale**  
***Join the Discussion:***  
***Recreational Uses of the Landfill***

***Council Study Issue DPW 13-13 Feasibility of Establishing a Community Animal Farm for Children at the Sunnyvale Landfill***

September 12, 6:30 p.m., Sunnyvale Community Center, 550 E. Remington Drive

**Meeting Focus: Preliminary Findings of Possible Uses of the Sunnyvale Landfill for further study**

**1) Call to order.**

Manuel Pineda, Assistant Director of Public Works called the meeting to order at 6:30 p.m.

**2) Welcome and Introductions.**

**Community Members (Approx. 16 Attending - 13 signed-in)**

**Consultants Attending:**

Fabrizio Settepani, Geosyntec Consultants, Inc.  
Sarah Thomson, Crawford Consulting, Inc.  
Mark Wheeler, Crawford Consulting, Inc.

**Staff Attending:**

Manuel Pineda, Assistant Director of Public Works  
Mark Bowers, Solid Waste Programs Division Manager  
William Theyskens, Environmental Engineering Coordinator  
Scott Morton, Superintendent of Parks, Golf & Trees  
Patricia Lord, Senior Management Analyst

**3) Presentation**

Project Lead, Manuel Pineda, provided an overview of the project and introduced staff and the consultants. The Sunnyvale Landfill, located near the SMaRT Station at Borregas Avenue and Caribbean Drive, is open to the public for activities like hiking, bicycling and birding. The City is currently exploring the possibility of using the site for additional recreational uses, such as therapeutic animal interaction services by Animal Assisted Happiness (AAH), sports fields and fenced dog runs (refer to Study Issue DPW 13-13).

Mark Wheeler, P.G., with Crawford Consulting, Inc. presented a power point on possible landfill recreational uses. Four main study options, from high-intensity use to low intensity use, were examined: 1) Animal Assisted Happiness 2) athletic fields 3) bicycle skills park, and 4) park enhancements for existing uses were discussed, including: tables, benches, drinking fountains, and improved signage.

#### 4) Summary of Public Comment

The following is a summary of public comments regarding the Sunnyvale Landfill:

- Bike Skills Park - keep to non-motorized vehicles; no motorcycles;
- Consider running clubs and preserve trails for runners;
- Keep trail connection with enhancements, such as, better signage;
- Erosion control is important;
- Bike skills park and AAH - can we do both?
- Keep connections with the Bay Trail;
- Make sure there is access for bicycles;
- Are there more burrowing owls and wildlife in certain areas? If so, consider ways to protect wildlife;
- What is there at the moment? It is a natural environment; maintain bird watching opportunities;
- Irrigated turf? Not looking to change the character of the site;
- We should have the right to fly; allow paragliding and hang gliding from the landfill;
- Priority should be given for the burrowing owls and protecting their habitat;
- Keep burrowing owl habitat in each option;
- "Mitigated to death";
- Park enhancements are needed with more signage for environmental education field trips;
- Off-hour use should not be developed if it cannot be enforced or monitored;
- Need Park Rangers at the landfill site to ensure good behavior;
- The landfill is the last wild place in Sunnyvale; I found a possum killed by a bobcat;
- Huge developments and increased use leads to bad behavior; we can't enforce laws if everyone disobeys them;
- Homeless individuals encountered on the trails; not safe to go hiking/running alone;
- Development would be destructive to migratory birds;
- We don't need another athletic field; Twin Creeks is next door;
- Dog park? Don't think there are enough residents to support that;
- Birders cringe at the idea of building anything on top of the hills;
- What are some of the mitigating measures to protect the burrowing owls?
- Majority of attendees want to preserve nature and protect wildlife at the landfill;
- What should we do? How can we keep the area natural?

- Assistant Director Pineda stated the upcoming opportunities for public input included: speaking at the November 13 Parks & Recreation Commission meeting, completing an online survey (open in October), and attending/speaking at the December 10 Council meeting;
- No budget for burrowing owl study?
- Superintendent Morton stated that pending grant funding, the burrowing owl study could move forward and welcomed help in identifying grant funding for the study issue;
- Wind and solar power options at the landfill?
- Assistant Director Pineda stated that another study issue is underway regarding a Community Solar Array System and will be presented to the Sustainability Commission on October 21 and presented to Council on November 19, 2013

**Announcements made regarding Upcoming Meetings and opportunities for public input:**

- October 5-15, 2013 - Online survey
- November 13, 2013 - Parks and Recreation Commission Meeting
- December 10, 2013 - Sunnyvale City Council Meeting

The meeting adjourned at approximately 8:00 p.m.

Summary meeting notes prepared by:

*Patricia Lord*

Patricia Lord, Senior Management Analyst

# Landfill Recreational Uses



**Community Meeting  
September 12, 2013**

# ***Agenda***

- ***Introductions***
- ***Background***
- ***Four Main Study Options***
- ***Next Steps***
- ***Open Discussion***

# ***Background***

- ***2009 Consideration of Parks of the Future study report***
- ***Council Study Issue - Funding***
- ***Study Feasibility of Using the Sunnyvale Landfill for Additional Recreational Purposes***
- ***Community meeting August 15, 2013***



# Project Description

- **Analyze Possible Recreational Uses**
  - Public improvements
  - Infrastructure
  - Construction
- **Animal Assisted Happiness**
  - Children and their family members interact with animals to help alleviate physical or family challenges
  - Currently located in Gilroy
- **Other Possible Uses**
  - Trails for biking, hiking, birding
  - Bicycle Skills Park
  - Athletic fields
  - Dog park
  - Park amenities (tables, benches, drinking fountains)



# ***Study Options***

- ***Community meeting feedback***
- ***High Intensity Use***
- ***Mid Intensity Use***
- ***Low Intensity Use***

# 4 Main Study Options

- *Animal Assisted Happiness*



- *Sports Fields*



*Adult size, dual use, Soccer/Baseball Field*

- *Bike Skills Park*



- *Park Enhancements*



# *Feasibility Analysis*

- **Constraints**
  - *Gas collection system*
  - *Landfill final cover*
  - *Differential Settlement*
  - *Slopes*
  - *Depth of excavation*
  - *Groundwater wells*
  - *Minimize water use*
  - *Height limits*
  - *Animal habitat*
- **Federal, State, and Local Agency requirements**



# Feasibility Analysis

- **Constructability Analysis**

- *Permitting*
- *Earthwork*
- *Foundations*

- **Infrastructure**

- *Water*
- *Sanitary sewer*
- *Storm sewer*

- **Transportation/Circulation**

- *Access*
- *Parking*
- *Emergency vehicles*

- **Conceptual Costs**



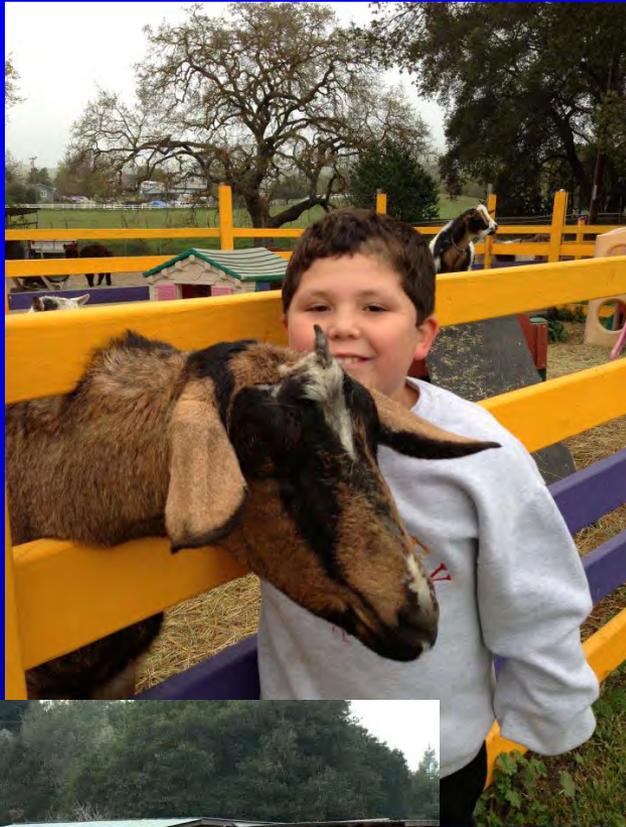
# *Study Areas*



# ***Option Layout***

	<b>West Hill</b>	<b>Recycle Hill</b>	<b>South Hill</b>
<b>Option 1</b>	<b>AAH</b> (and Park Enhancements)	Park Enhancements (including Dog Park)	Park Enhancements
<b>Option 2</b>	<b>Baseball/Soccer Field</b> (and Park Enhancements)	Park Enhancements (including Dog Park)	Park Enhancements
<b>Option 3</b>	<b>Bike Skills Park</b> (and Park Enhancements)	Park Enhancements (including Dog Park)	Park Enhancements
<b>Option 4</b>	Park Enhancements	Park Enhancements (including Dog Park)	Park Enhancements

# ***Animal Assisted Happiness (AAH)***



# ***AAH Features***

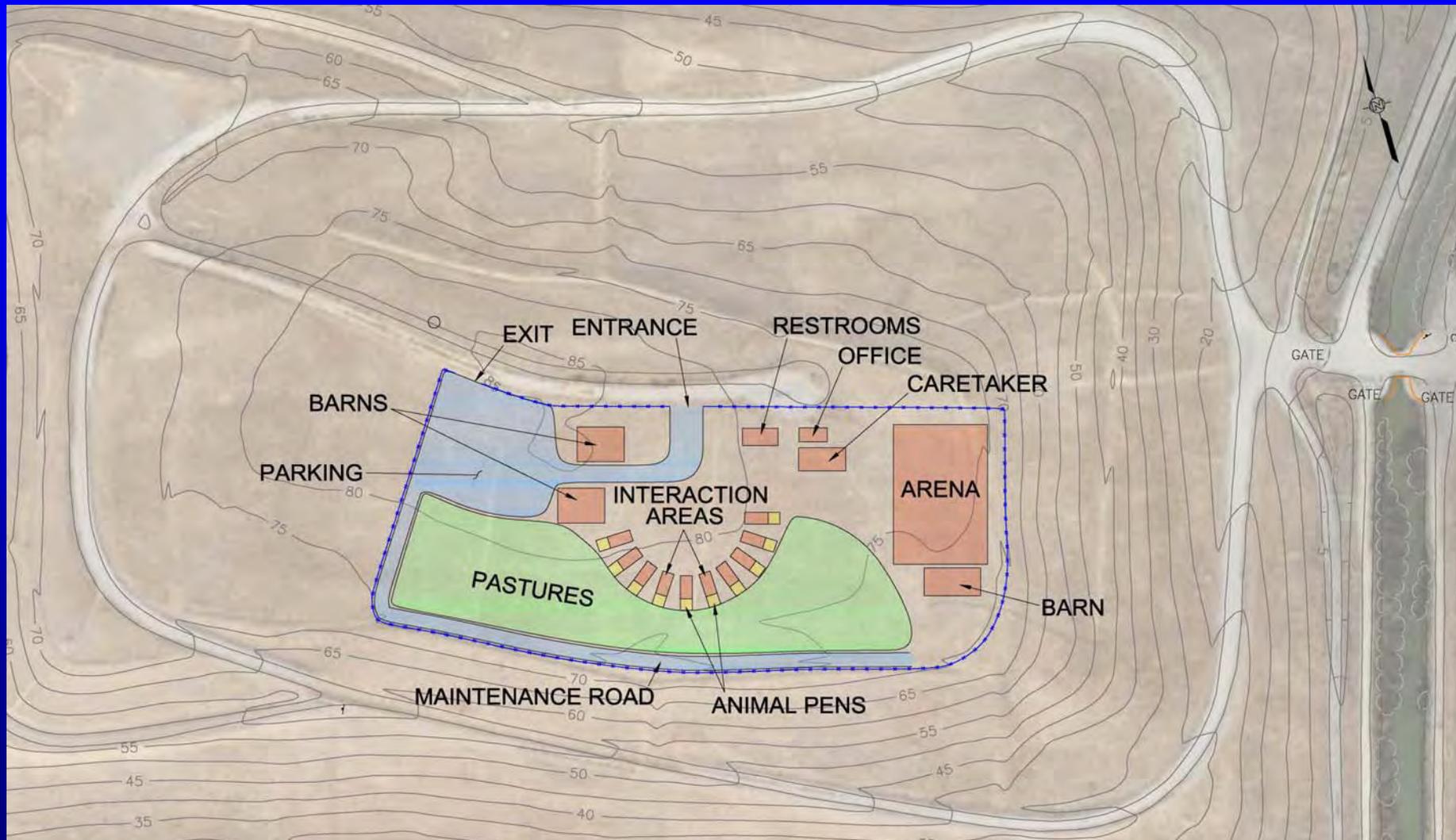
## ***Long Term, Full Build-Out***

- ***Animal Pens with attached pasture land***
- ***Feed/Equipment/Vehicle storage shed***
- ***Riding arena***
- ***Barn/tack room***
- ***Office***
- ***Caretaker residence***
- ***Parking on top of the hill***
- ***Rest area***
- ***Perimeter fencing***
- ***Interior fencing***
- ***Full utilities – Water/Sewer/Power***

# AAH Layout



# AAH Layout



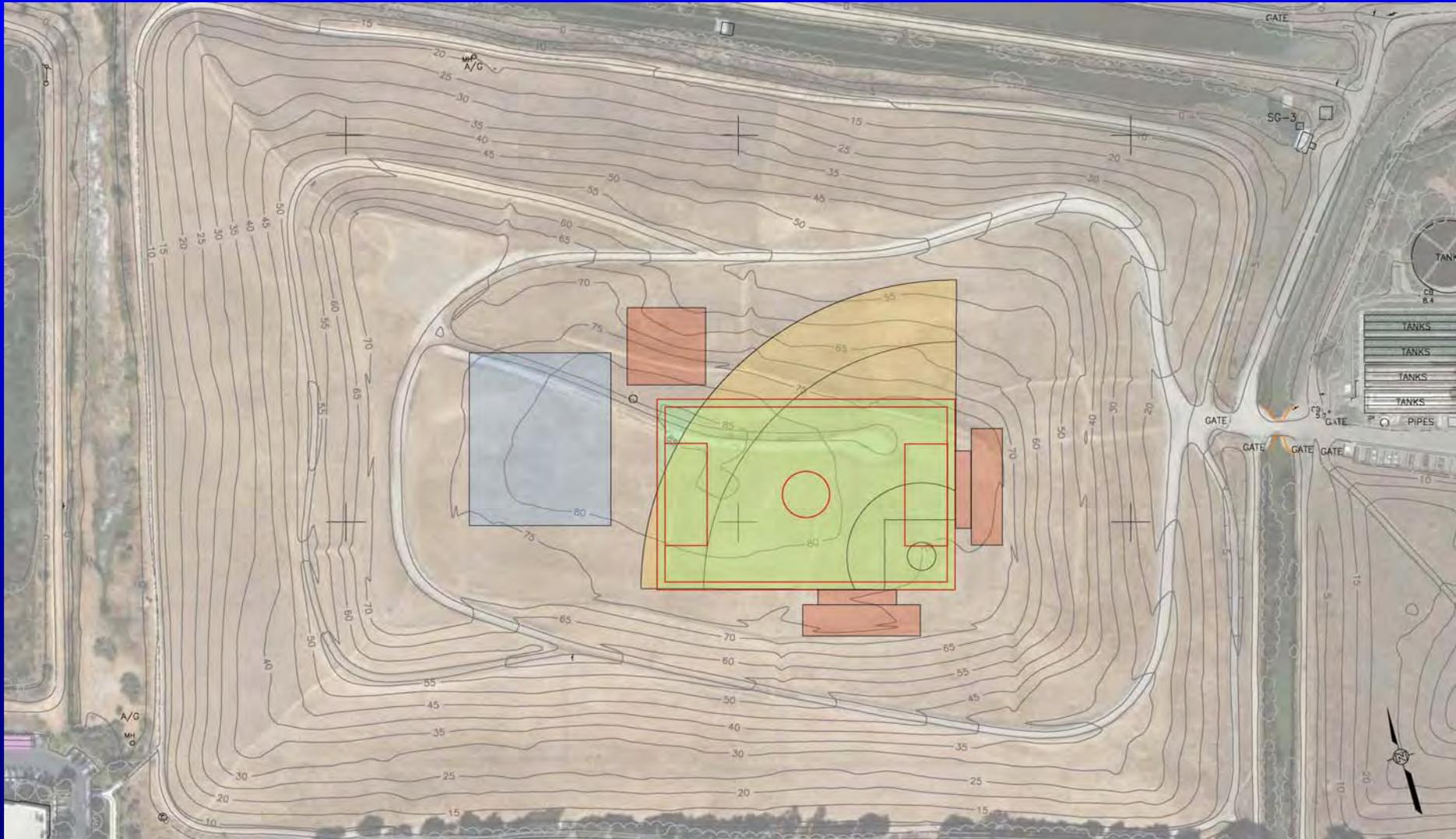
# Sports Fields



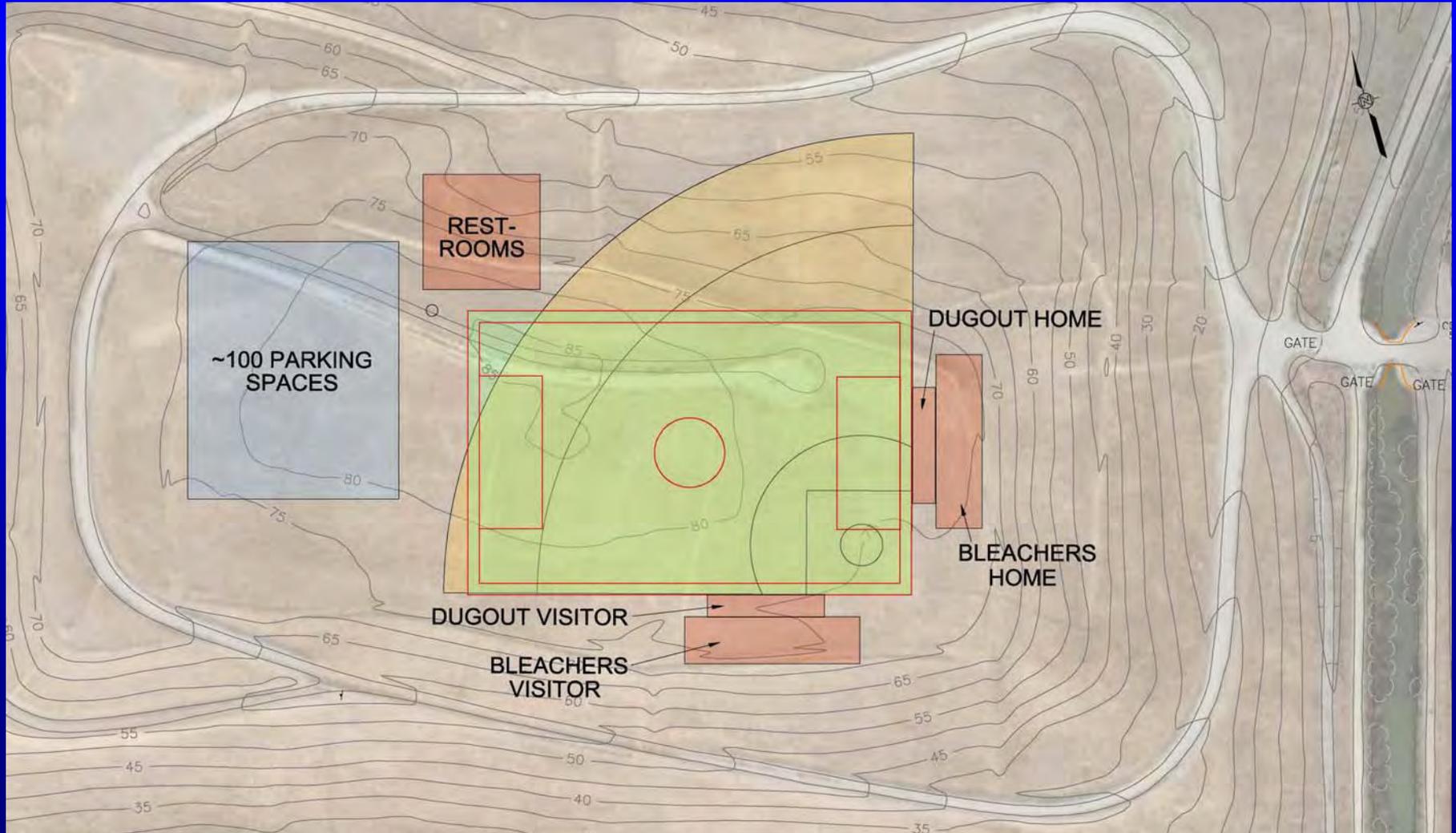
# ***Sports Fields Features***

- ***Adult size, dual-use baseball/soccer field (the two fields will overlay each other)***
- ***Lighting***
- ***Artificial turf***
- ***Full utilities – Water/Sewer/Power***
- ***Full bathrooms***
- ***Parking on top of the hill***

# Sports Field Layout



# *Sports Fields Layout*



# ***Bike Skills Park***



# ***Bike Skills Park Features***

- ***Mountain bike skill features***
- ***Motocross/BMX bike skill features***
- ***Trick bike skill features***
- ***Portable bathrooms***
- ***Water***
- ***No lighting***
- ***Parking at bottom of hill***

# ***Bike Skills Park Location***



# ***Park Enhancements***



# ***Park Enhancement Features***

- ***Habitat enhancement***
- ***Additional trails along the side slopes of the Hills***
- ***Trail connections between Hills***
- ***Benches***
- ***Picnic Tables***
- ***Drinking fountains***
- ***Restrooms***
- ***Shade features***
- ***Landscaping***
- ***Educational kiosks***
- ***Dog park***
- ***Parcourse***
- ***Water***
- ***Parking at the bottom of the hill***

# ***Park Enhancements Areas***



# ***Next Steps***

- ***Present findings to Parks and Recreation Commission on November 13***
- ***Present findings to City Council on December 10***

## APPENDIX B

### Title 27 Post-closure Land Use Regulations for Waste Management Units

## **Title 27 Post-closure Land Use Regulations for Waste Management Units**

### **Section 21190. CIWMB – Post-closure Land Use. (T14:Section 17796)**

- (a) Proposed post-closure land uses shall be designed and maintained to:
- (1) protect public health and safety and prevent damage to structures, roads, utilities and gas monitoring and control systems;
  - (2) prevent public contact with waste, landfill gas and leachate; and
  - (3) prevent landfill gas explosions.
- (b) The site design shall consider one or more proposed uses of the site toward which the operator will direct its efforts, or shall show development as open space, graded to harmonize with the setting and landscaped with native shrubbery or low maintenance ground cover.
- (c) All proposed post-closure land uses, other than non-irrigated open space, on sites implementing closure or on closed sites shall be submitted to the EA, RWQCB, local air district and local land use agency. The EA shall review and approve proposed post-closure land uses if the project involves structures within 1,000 feet of the disposal area, structures on top of waste, modification of the low permeability layer, or irrigation over waste.
- (d) Construction on the site shall maintain the integrity of the final cover, drainage and erosion control systems, and gas monitoring and control systems. The owner or operator shall demonstrate to the satisfaction of the EA that the activities will not pose a threat to public health and safety and the environment. Any proposed modification or replacement of the low permeability layer of the final cover shall begin upon approval by the EA, and the RWQCB.
- (e) Construction of structural improvements on top of landfilled areas during the post-closure period shall meet the following conditions:
- (1) automatic methane gas sensors, designed to trigger an audible alarm when methane concentrations are detected, shall be installed in all buildings;
  - (2) enclosed basement construction is prohibited;
  - (3) buildings shall be constructed to mitigate the effects of gas accumulation, which may include an active gas collection or passive vent systems;
  - (4) buildings and utilities shall be constructed to mitigate the effects of differential settlement. All utility connections shall be designed with flexible connections and utility collars;
  - (5) utilities shall not be installed in or below any low permeability layer of final cover;
  - (6) pilings shall not be installed in or through any bottom liner unless approved by the RWQCB;
  - (7) if pilings are installed in or through the low permeability layer of final cover, then the low permeability layer must be replaced or repaired; and

## **Title 27 Post-closure Land Use Regulations for Waste Management Units**

(8) periodic methane gas monitoring shall be conducted inside all buildings and underground utilities in accordance with section 20933 of Article 6, of Subchapter 4 of this Chapter.

(f) The EA may require that an additional soil layer or building pad be placed on the final cover prior to construction to protect the integrity and function of the various layers of final cover.

(g) All on site construction within 1,000 feet of the boundary of any disposal area shall be designed and constructed in accordance with the following, or in accordance with an equivalent design which will prevent gas migration into the building, unless an exemption has been issued:

(1) a geomembrane or equivalent system with low permeability to landfill gas shall be installed between the concrete floor slab of the building and subgrade;

(2) a permeable layer of open graded material of clean aggregate with a minimum thickness of 12 inches shall be installed between the geomembrane and the subgrade or slab;

(3) a geotextile filter shall be utilized to prevent the introduction of fines into the permeable layer;

(4) perforated venting pipes shall be installed within the permeable layer, and shall be designed to operate without clogging;

(5) the venting pipe shall be constructed with the ability to be connected to an induced draft exhaust system;

(6) automatic methane gas sensors shall be installed within the permeable gas layer, and inside the building to trigger an audible alarm when methane gas concentrations are detected; and

(7) periodic methane gas monitoring shall be conducted inside all buildings and underground utilities in accordance with Article 6, of Subchapter 4 of this chapter (section 20920 et seq.).

### **Note:**

#### **Authority cited:**

Sections 40502 and 43020, [Public Resources Code](#); and Section 66796.22(d), *Government Code*.

#### **Reference:**

Sections 43021, 43103 and 44105, [Public Resources Code](#); and Section 66796.22(d), *Government Code*.

<http://www.calrecycle.ca.gov/Laws/Regulations/Title27/ch3sb5.htm#Article2>