



# County of Fresno

DEPARTMENT OF PUBLIC WORKS AND PLANNING  
STEVEN E. WHITE, DIRECTOR

October 16, 2023

To: Department of Public Works and Planning, Attn: Steven E. White, Director  
Department of Public Works and Planning, Attn: Bernard Jimenez,  
Planning and Resource Management Officer  
Development Services and Capital Projects, Attn: William M. Kettler,  
Deputy Director of Planning  
Development Services and Capital Projects, Attn: Chris Motta, Division  
Manager  
Development Services and Capital Projects, Attn: Tawanda Mtunga,  
Principal Planner  
Development Services and Capital Projects, Current/Environmental  
Planning, Attn: David Randall, Senior Planner  
Development Services and Capital Projects, Policy Planning, Attn:  
Mohammad Khorsand, Senior Planner  
Development Services and Capital Projects, Zoning & Permit Review,  
Attn: James Anders/Daniel Gutierrez, Senior Planners  
Development Services and Capital Projects, Development Engineering,  
Attn: Laurie Kennedy, Office Assistant III  
Water and Natural Resources Division, Attn: Roy Jimenez, Senior Planner  
Transportation Planning Unit, Attn: Hector Luna, Senior Planner  
Water and Natural Resources Division, Community Development, Attn:  
Yvette Quiroga, Principal Planner  
Design Division, Attn: Mohammad Alimi, Division Manager;  
Design Division, Attn: Erin Haagenson, Principal Staff Analyst  
Resources Division, Attn: Daniel Amann, Interim Division Manger  
Resources Division, Special Districts, Attn: Christopher Bump, Principal  
Staff Analyst,  
Road Maintenance and Operations Division, Attn: Wendy Nakagawa,  
Supervising Engineer  
Department of Public Health, Environmental Health Division, Attn: Deep  
Sidhu, Supervising Environmental Health Specialist; Kevin Tsuda,  
U.S. Fish and Wildlife Service, San Joaquin Valley Division, Attn: Matthew Nelson  
CA Regional Water Quality Control Board, Attn:  
[centralvalleyfresno@waterboards.ca.gov](mailto:centralvalleyfresno@waterboards.ca.gov)  
CA Department of Fish and Wildlife, Attn: [R4CEQA@wildlife.ca.gov](mailto:R4CEQA@wildlife.ca.gov)  
State Water Resources Control Board, Division of Drinking Water, Fresno District,  
Attn: Cinthia Reyes  
San Joaquin Valley Unified Air Pollution Control District (PIC-CEQA Division),  
Attn: PIC Supervisor  
Dumna Wo Wah Tribal Government, Attn: Robert Ledger, Tribal Chairman/Eric

Smith, Cultural Resources Manager/Chris Acree, Cultural Resources Analyst  
Picayune Rancheria of the Chukchansi Indians, Attn: Heather Airey/Cultural Resources Director  
Santa Rosa Rancheria Tachi Yokut Tribe, Attn: Ruben Barrios, Tribal Chairman/Hector Franco, Director/Shana Powers, Cultural Specialist II  
Table Mountain Rancheria, Attn: Robert Pennell, Cultural Resources Director/Kim Taylor, Cultural Resources Department/Sara Barnett, Cultural Resources Department  
North Central Fire Protection District, Attn: George D. Mavrikis Fresno

FROM: Ejaz Ahmad, Planner  
Development Services and Capital Projects Division

SUBJECT: Initial Study Application No. 8380, Unclassified Conditional Use Permit Application No. 3762 (**Revision**)

APPLICANT: Toro Energy of California AA. LLC

DUE DATE: October 30, 2023

The Department of Public Works and Planning, Development Services and Capital Projects Division is reviewing the subject application proposing to allow construction and operation of a landfill gas conditioning system on an approximately 1.52-acre portion of a 39.55-acre Fresno County landfill site (Assessor Parcel Number **020-052-09ST**; related APNs 020-210-35ST, 020-052-05ST, 06ST) and an 8-mile pipeline route within road right-of-ways along American Ave and State Route 145 (Madera Avenue) to the PG&E interconnection Receipt Point facility on an approximately 10,000 square feet portion of a 313.6-acre parcel (Assessor parcel Number 030-070-25S). **Note: The subject proposal entails revision to the project routed to agencies for comments on March 30, 2023 (enclosed for reference purposes). This revision include change in size and location of the project site and addition of 1,980 kW engine generators to provide power to the project.**

The Department is also reviewing the project for environmental effects, as mandated by the California Environmental Quality Act (CEQA) and for conformity with plans and policies of the County. Based upon this review, a determination will be made regarding conditions to be imposed on the project, including necessary on-site and off-site improvements.

We must have your comments by October 30, 2023. Any comments received after this date may not be used.

**NOTE - THIS WILL BE OUR ONLY REQUEST FOR WRITTEN COMMENTS. If you do not have comments, please provide a "NO COMMENT" response to our office by the above deadline (e-mail is also acceptable; see email address below).**

Please address any correspondence or questions related to environmental and/or policy/design issues to me, Ejaz Ahmad, Planner, Development Services and Capital Projects Division, Fresno County Department of Public Works and Planning, 2220 Tulare Street, Sixth Floor, Fresno, CA 93721, or call (559) 600-4204, or email [eahmad@fresnocountyca.gov](mailto:eahmad@fresnocountyca.gov)

EA

G:\4360Devs&PIn\PROJSEC\PROJDOCS\CUP\3700-3799\3762\CUP (Revision)\Application\Routing\CUP 3762 Routing Pkg.pdf



Fresno County Department of Public Works and Planning

Date Received: 10-12-2023

CUP3762(R)

(Application No.)

MAILING ADDRESS:

Department of Public Works and Planning
Development Services Division
2220 Tulare St., 6th Floor
Fresno, Ca. 93721

LOCATION:

Southwest corner of Tulare & "M" Streets, Suite A
Street Level
Fresno Phone: (559) 600-4497
Toll Free: 1-800-742-1011 Ext. 0-4497

APPLICATION FOR:

- Pre-Application (Type)
Amendment Application
Amendment to Text
Conditional Use Permit (Revision)
Variance (Class )/Minor Variance
Site Plan Review/Occupancy Permit
No Shoot/Dog Leash Law Boundary
General Plan Amendment/Specific Plan/SP Amendment
Time Extension for
Director Review and Approval
for 2nd Residence
Determination of Merger
Agreements
ALCC/RLCC
Other

DESCRIPTION OF PROPOSED USE OR REQUEST:

Allow the construction and operation of a landfill gas conditioning system and pipeline to receipt point facility in the AE-20 Zone District.

CEQA DOCUMENTATION: Initial Study PER N/A

PLEASE USE FILL-IN FORM OR PRINT IN BLACK INK. Answer all questions completely. Attach required site plans, forms, statements, and deeds as specified on the Pre-Application Review. Attach Copy of Deed, including Legal Description.

LOCATION OF PROPERTY: side of
between and
Street address: 18950 West American Avenue, Kerman, CA93630

APN: 020-210-35ST, 020-052-05ST, 020-052-06T, 020-052-09ST Parcel size: 146.8 acres Section(s)-Twp/Rg: S 32 - T 14 S/R 17 E

ADDITIONAL APN(s): 030-070-25S (PG&E Biomethane Receipt Point Metering Facility)

I, Matt Schmitt Digitally signed by Matt Schmitt Date: 2023.09.18 15:19:07 -07'00' (signature), declare that I am the owner, or authorized representative of the owner, of the above described property and that the application and attached documents are in all respects true and correct to the best of my knowledge. The foregoing declaration is made under penalty of perjury.

Table with 5 columns: County of Fresno, Owner (Print or Type), Address, City, Zip, Phone. Rows include Toro Energy of California AA, LLC and Matt Schmitt.

CONTACT EMAIL: Matt@ColonyEnergyPartners.com

OFFICE USE ONLY (PRINT FORM ON GREEN PAPER)

Application Type / No.: CUP3762 (Revision) Fee: \$ 2,280.75
Application Type / No.: Fee: \$
Application Type / No.: Fee: \$
Application Type / No.: Fee: \$
PER/Initial Study No.: Fee: \$
Ag Department Review: Fee: \$
Health Department Review: Fee: \$
Received By: Eja2 Invoice No.: TOTAL: \$ 2,280.75

UTILITIES AVAILABLE:

WATER: Yes [ ] / No [x]
Agency:
SEWER: Yes [ ] / No [x]
Agency:

STAFF DETERMINATION: This permit is sought under Ordinance Section:

Sect-Twp/Rg: - T S/R E

Related Application(s):
Zone District:
Parcel Size:

APN # - -
APN # - -
APN # - -
APN # - -



**Legend**

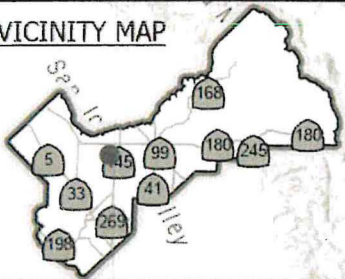


Subject Property



APN: 020-210-35ST

**VICINITY MAP**

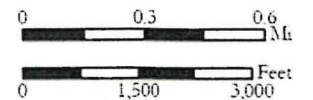


**LOCATION MAP**

**CUP3762**

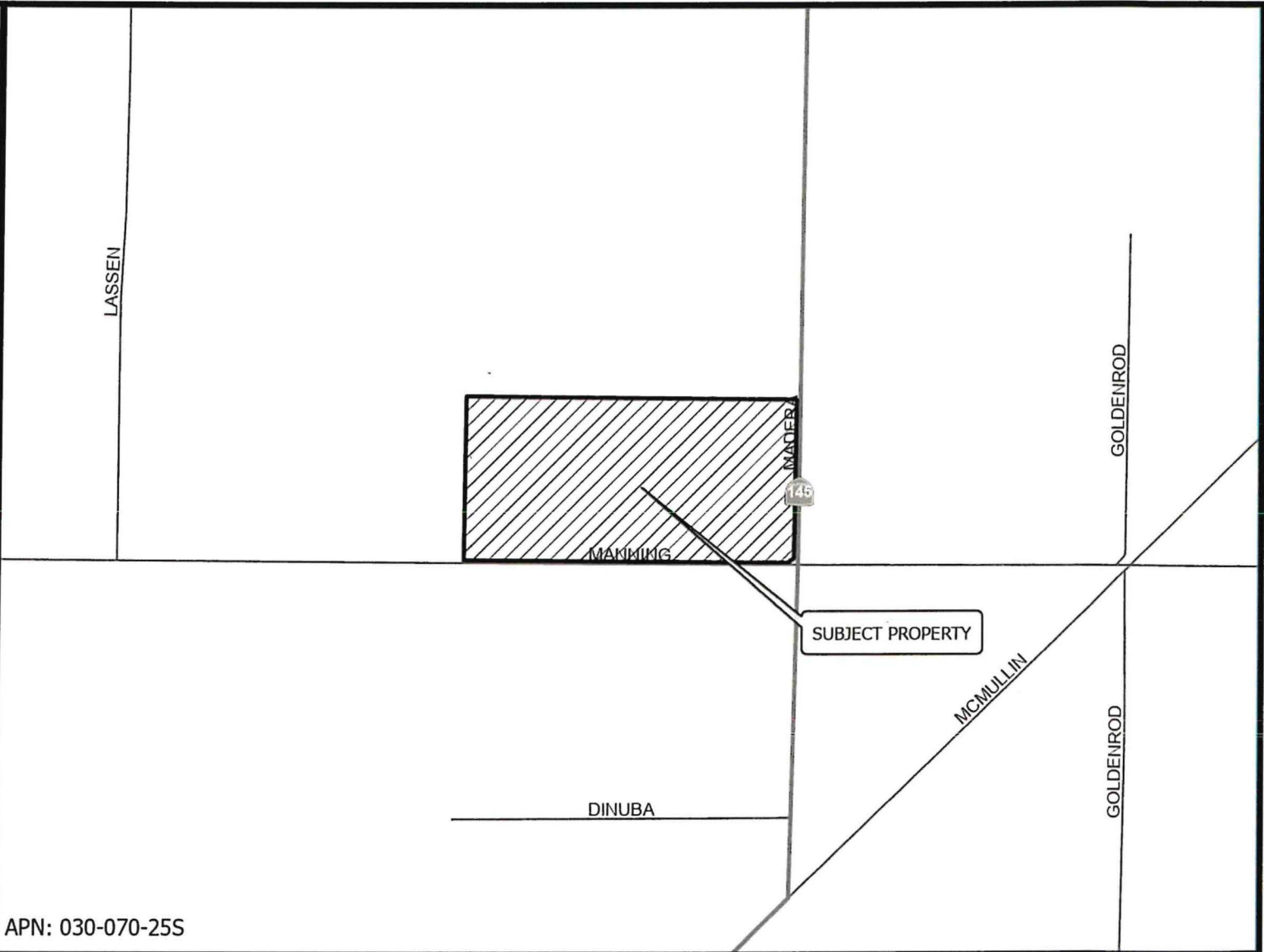
**2023**

Prepared by : County of Fresno, Department of Public Works and Planning, Development Services Division  
Person Prepared by : chuang  
On Date : 4/21/2023

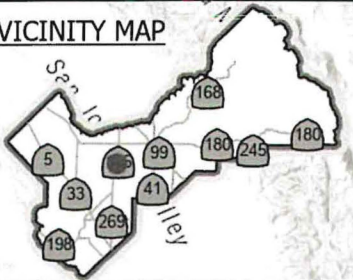


**Legend**

 Subject Property



**VICINITY MAP**



APN: 030-070-25S

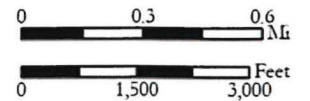


**LOCATION MAP**

**CUP3762**

**2023**

Prepared by : County of Fresno, Department of Public Works and Planning, Development Services Division  
Person Prepared by : chuang  
On Date : 4/21/2023

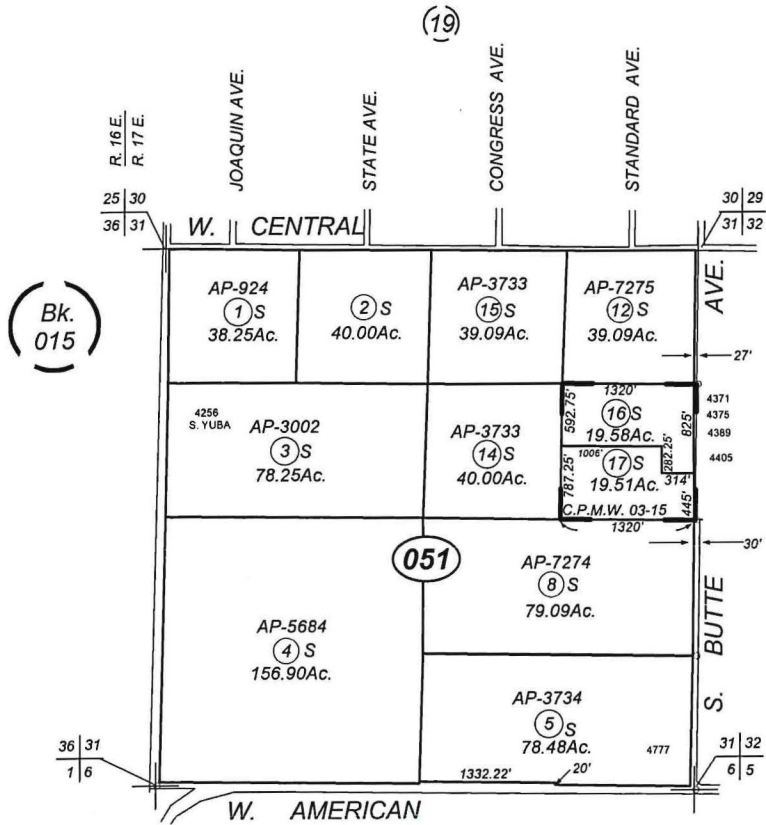


-NOTE-  
 This map is for Assessment purposes only.  
 It is not to be construed as portraying legal  
 ownership or divisions of land for purposes  
 of zoning or subdivision law.

SEC'S' 31, 33 T.14 S., R. 17 E., M.D.B. & M.

Tax Rate Area  
 120-012

020-05

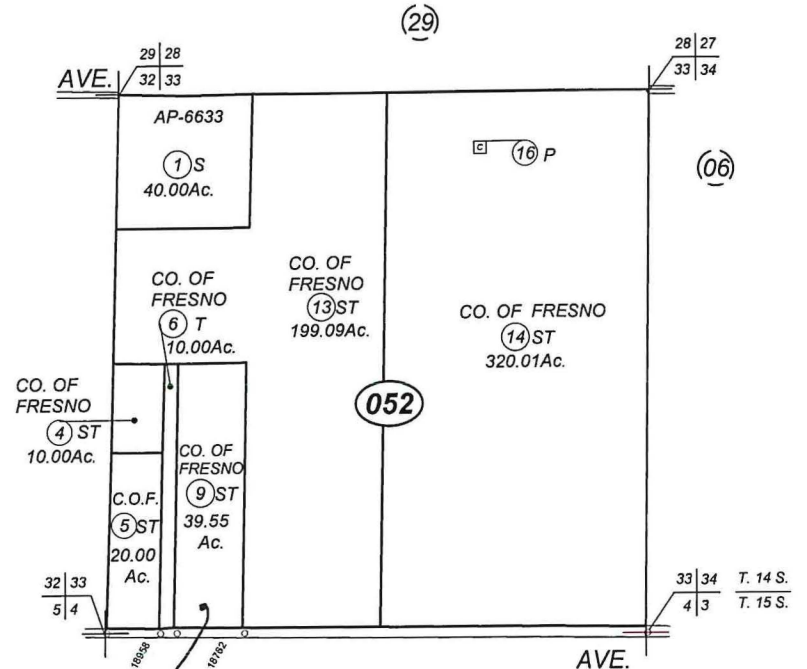


(20)

(23)

(21)

(Bk. 030)



PROJECT SITE

Agricultural Preserve  
 Certificate of Parcel Map Waiver No. 03-15, Doc. 119348, 06-01-06

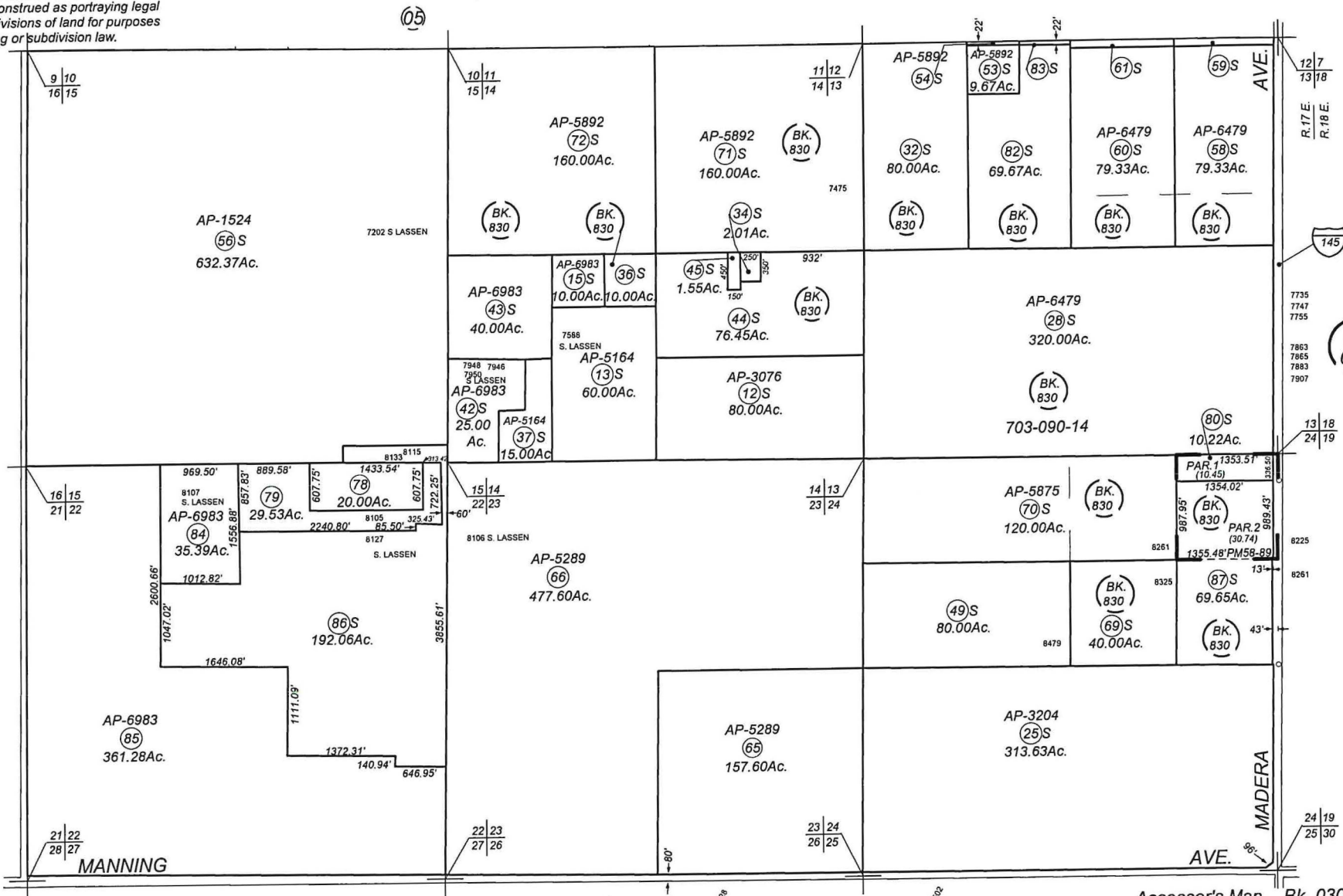
9/22/2020

Assessor's Map Bk. 020 - Pg.05  
 County of Fresno, Calif.

Note - Assessor's Block Numbers Shown in Ellipses  
 Assessor's Parcel Numbers Shown in Circles

SEC'S 13,14,15,22,23,24,, T.15S., R.17E., M.D.B.& M.

-NOTE-  
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ownership or divisions of land for purposes  
of zoning or subdivision law.



(06)

(05)

(12)

Agricultural Preserve  
Parcel Map No. 7670 - Bk.58, Pg. 89

Assessor's Map Bk. 030-Pg. 07  
County of Fresno, Calif.

Note - Assessor's Block Numbers Shown in Ellipses  
Assessor's Parcel Numbers Shown in Circles





## Operational Statement

County of Fresno AADS Landfill Gas to Energy Project (“AALFGTE”)

**Applicant:** Toro Energy of California AA, LLC

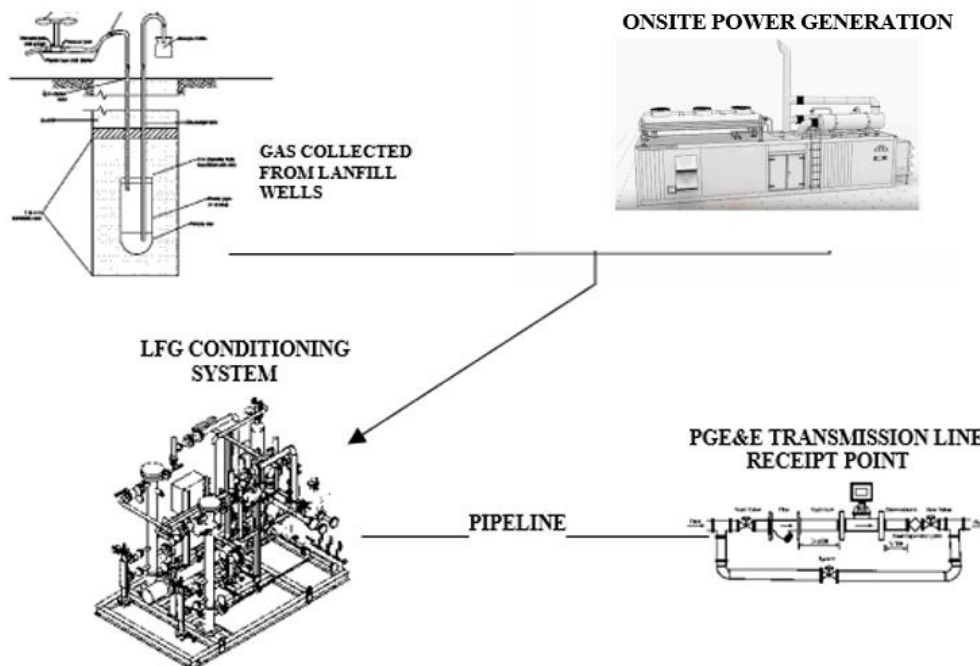
**Owner:** County of Fresno

**Assessor’s Parcel No:** 020-210-35ST (AADS Property),  
030-070-25S (PG&E Biomethane Receipt Point Metering Facility)

**Area:** Located within the AADS Property on one (1) acre 208’ x 208’ area to construct the Landfill Gas Conditioning System (“LFGCS”) and County Roads American Avenue and State Hwy 145 (Madera Ave) utility easement right of way for new (8) mile biomethane feeder pipeline from AADS to PG&E transmission pipeline interconnection Receipt Point facility at Manning Ave and Madera Avenue located on a half-acre easement area.

**Address:** 18950 W. American Avenue, Kerman, CA

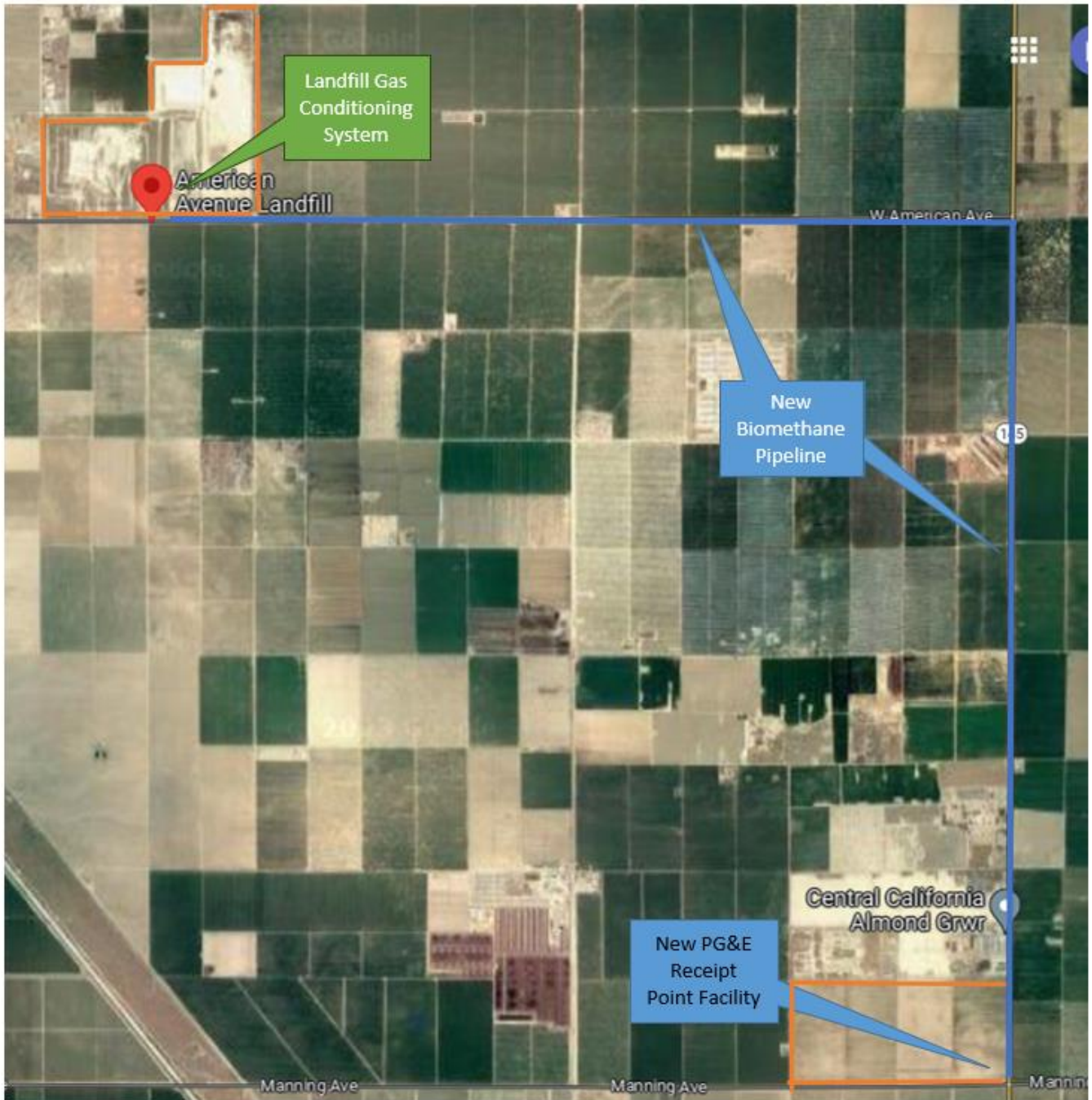
**Proposal:** Allow for the construction and operation of a landfill gas conditioning system (“LFGCS”) powered with onsite natural gas internal combustion engine electric generators, to deliver biomethane through a new eight (8) mile pipeline constructed in the County road right of way to a new PG&E receipt point metering facility to be constructed on an AE-20 Zone District property on the southwest corner of Manning and Madera Avenues.



**Project Background**

The organic decomposition of municipal solid waste in landfills results in the generation LFG consisting primarily of methane (25-50%), carbon dioxide (25-50%), nitrogen and trace amounts of VOC and siloxane gases. Currently AADS burns off the LFG via flare and the County, and the Implementation of a LFGTE Project will reduce the use of the flare system and generate a new source of revenue for the County respective enterprise fund. As such, the Board of Supervisors adopted Ordinance No. 22-004, Agreement No. 22-166 (Revenue Agreement) in April 2022 authorizing the County to enter into a Revenue Agreement with Toro of California AA, LLC whereby the County will sell LFG to Toro with Toro having the responsibility to develop, finance and operate the LFGTE Project.

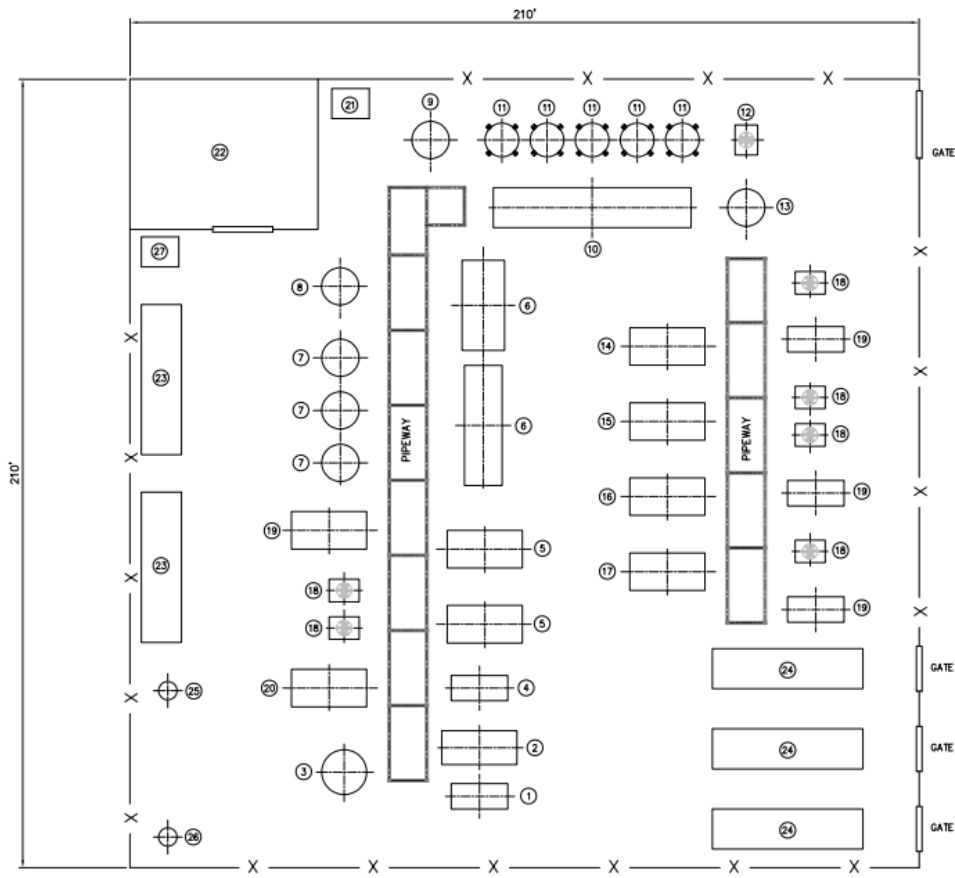
**AADS Project Map**



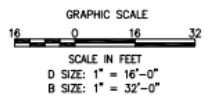
# AADS Landfill Gas Conditioning System Project Site Overhead



# LFGCS Equipment Layout



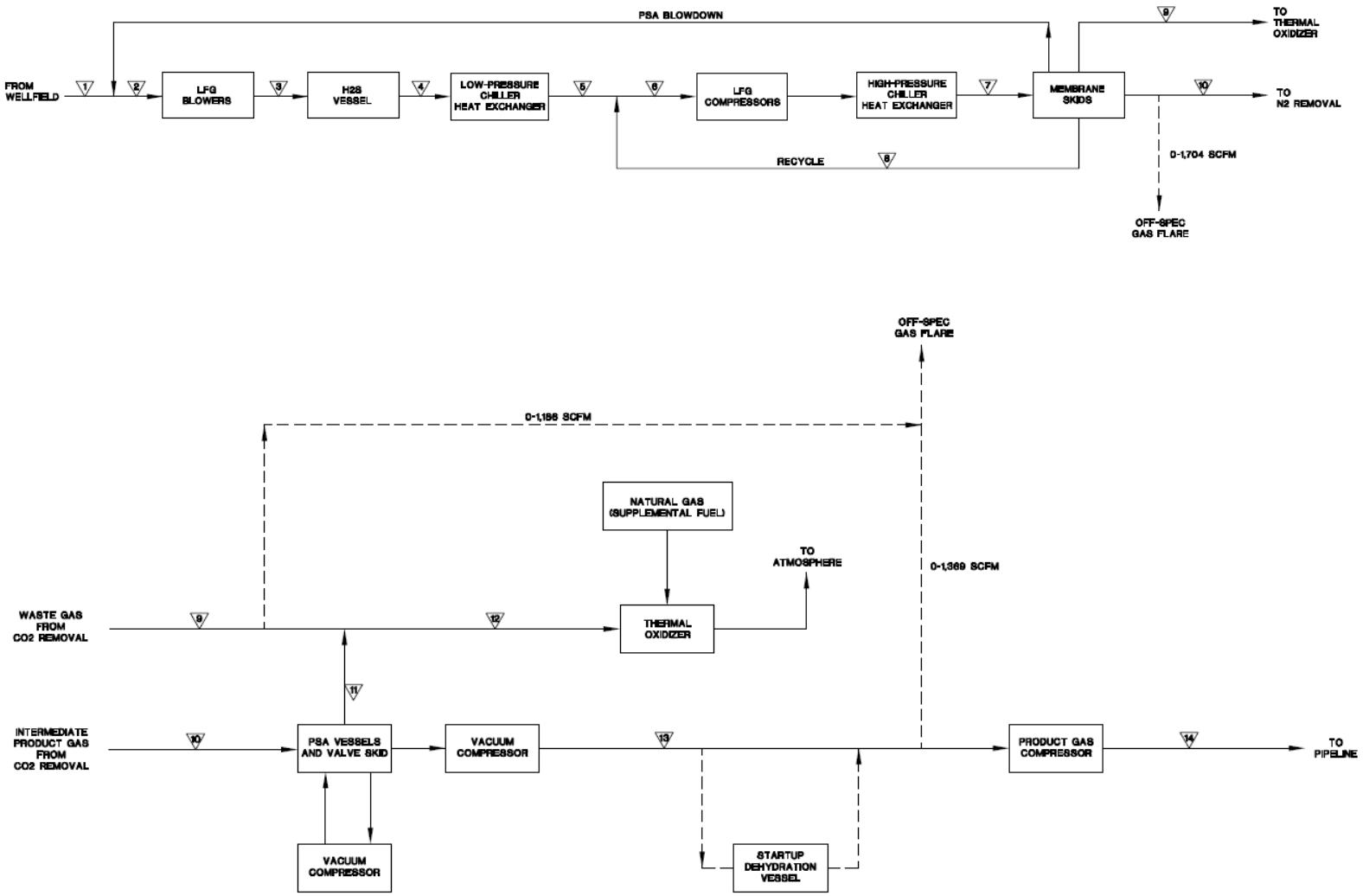
NO	EQUIPMENT DESCRIPTION
1	BLOWER SKID
2	BLOWER COOLER
3	H2S VESSEL
4	CHILLER SKID
5	FEED COMPRESSORS
6	AIR LIQUIDE SKIDS
7	AIR LIQUIDE ACTIVATED CARBON VESSELS
8	CO2 PRODUCT BUFFER VESSEL
9	N2 TAIL GAS BUFFER VESSEL
10	N2 PSA VALVE SKID
11	N2 ADSORBER VESSELS
12	PRODUCT GAS COOLER
13	PRODUCT GAS BUFFER TANK
14	N2 VACUUM COMPRESSOR
15	N2 RECYCLE COMPRESSOR
16	PRODUCT GAS COMPRESSION STAGE 1
17	PRODUCT GAS COMPRESSION STAGE 2
18	OIL COOLERS
19	GAS COOLERS
20	CHILLER CONDENSER
21	PLANT AIR COMPRESSOR
22	POWER DISTRIBUTION CENTER
23	ENGINE/GENERATOR
24	NATURAL GAS UNLOADING BAYS
25	THERMAL OXIDIZER
26	OFF-SPEC GAS FLARE
27	TRANSFORMERS



**ITEM NO. 23 ON THE SITE PLAN SHOWS THE LOCATION OF ENGINE GENERATORS TO PROVIDE POWER TO THE PROJECT**



# Process Flow Diagram



## 1. Nature of the Operation

The LFGCS will be located on a one acre leased portion of AADS property about 300 yards east of the AADS driveway entrance. LFG will be routed to the LFGCS from just prior to the existing LFG flare stack. The proposed equipment will be designed to process up to 3,000 standard cubic feet per minute (“SCFM”) of LFG as shown in the process flow diagram attached. The existing inlet blower (owned by the County) will provide vacuum on the field and deliver gas to the LFGCS at 0 psig. The gas will be initially compressed to 5 psig using an inlet blower. The blower will be protected by an inlet separator and will be followed by an aftercooler and separator for removing water generated by compression.

### *H2S Treatment*

A lead-lag carbon treatment will be utilized to remove the H2S from the gas. The carbon system will be able to treat down 4 ppm. The carbon media will be replaced as required by manufacturer recommendations and will be taken off-site for disposal.

### *First Stage Compression*

The gas will then be compressed to approximately 210 psig using flooded screw compressors. Both oil and the compressed gas will be cooled by an air aftercooler.



Picture 2 – Chiller & Dryer Skid

### *NMOC PSA*

Non-methane organic compounds (NMOCs) will be removed by the two bed Pressure Swing Absorption (“PSA”). One bed will treat the gas while the second bed is regenerated by providing a vacuum on the bed. CO2 from the membrane permeate will be heated and used for bed regeneration. The CO2 will then be routed to a thermal oxidizer.

### *Carbon Guard Beds*

A lead-lag system will be installed after the PSA to remove any compounds that are not removed by the NMOC PSA. The beds will use activated carbon for removal of NMOCs before the membranes.

### *Membranes*

A membrane system will be installed after the guard beds to remove carbon dioxide from the biogas. The membrane will be a two-stage system. The first stage permeate will be vented to atmosphere and the retentate will be heated and continue to second stage. The second stage retentate will continue to final compressor and the second stage permeate will be recycled to the inlet of the first stage compressors.



### *NITROGEN PSA*

Nitrogen will be removed using a two bed PSA. One bed will adsorb the Methane while the other is regenerated using the vacuum pump(s). The recovered methane from the regenerated vessel will be conveyed to final compression.



### *Onsite Power Generation*

Two 1,980 kW containerized natural gas fueled reciprocating engine generator sets will be installed to provide power to the LFGCS. Natural gas will be supplied to the generator sets by truck deliveries of LNG about once per day.



LNG will be offloaded to two containerized storage/vaporizer units. The combined LNG storage capacity will be 20,000 gallons which is approximately 2 days supply of fuel for the gensets.



### *Final Compression*

The lateral compression system will be designed to compress gas from 20 psig to approximately 650 psig. Compression will be a single flooded screw compressor. The oil and the compressed gas will be cooled by an air aftercooler.

### *Startup and Upset Flare*

Gas will be routed to the high btu flare during system upsets and during system startup and ramp down where processed gas is not being sent to the PG&E pipeline transmission interconnect. The flare will require a constant natural gas pilot to be able to immediately accept gas on a moments notice during unplanned downturns.

### *Thermal Oxidizer Flare*

A thermal oxidizer will be installed to continuously combust waste gas from the process which will mainly consist of CO<sub>2</sub> and N from the membrane and the Nitrogen PSA. This is low BTU gas and the flare will require supplemental fuel (LNG) to keep the thermal oxidizer up to temperature.

### *Final Site Metering*

The final metering system will include a gas chromatograph for measuring methane, carbon dioxide, and nitrogen levels in the gas. There will also be additional analyzers for measuring oxygen, water, and hydrogen sulfide levels. If any constituent is out of specification, the gas will automatically be diverted to the flare. Product gas will be delivered to the project lateral pipeline.

### *Biomethane Feeder Pipeline*

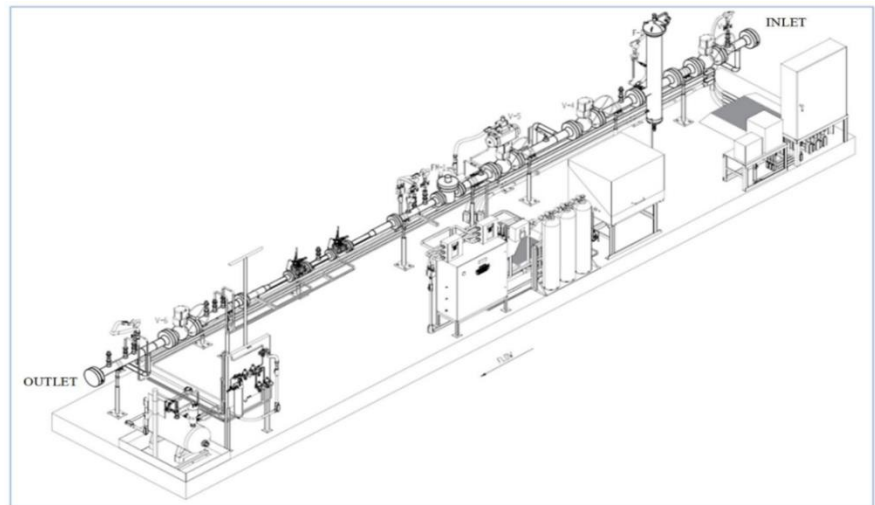
Biomethane gas will flow from the LFGCS through an eight (8) mile newly built four inch (4”) pipeline that will be located within the County Road utility right of way along American Ave east to Madera Ave south to the intersection of Manning and Madera Ave. into a newly constructed PG&E Receipt Point Facility under a private pipeline Franchise Agreement to be approved by the County Board of Supervisors.

### *Booster Compression*

Due to the lateral pipeline MAOP (650 psig) being less than the PG&E transmission pipeline MAOP (700 psig) a booster compressor will be required at the interconnect Receipt Point. Compression will be a single flooded screw compressor. The oil and the compressed gas will be cooled by an air aftercooler.

### *PG&E Receipt Point Facilities*

At the PG&E Receipt Point, located at the corner of Manning and Madera Ave, a facility will be constructed to meter, quality measure and odorize the transition of the Product Gas to the PG&E transmission pipeline. The facility will be constructed on up to 10,000 sqft of property under an Easement Agreement with the Landowner. The



Receipt Point Facility will also be designed and constructed to allow for direct injection of compressed Product Gas via tube trailer delivered by truck. The delivery of compressed Product Gas will be will meet all California Highway Patrol, Department of Transportation and the California Environmental Protection Agency regulations for the handling and transportation of the product gas. Power will be delivered to the receipt point facilities through the PG&E power lines that run along Manning or Madera Ave.



## **2. Operational time limits**

The Project will operate 24/7 365 days per year except for planned and unplanned maintenance and repair.

## **3. Number of customer/visitors**

There are no regularly planned visitors or customers.

## **4. Employees**

There will be two full time employee/technicians that will operate the LFGCS.

## **5. Service / Delivery Vehicles**

One truck per day of LNG delivered to the site in a 10,000 gallon tanker trailer to fuel the onsite power Generators, and one truck per week will pick up LFG condensate approximately 6,000 gallons to be disposed of offsite. In addition, there will be various maintenance and repair vehicle visits, one to two deliveries per quarter.

## **6. Access to the Site**

Employees and maintenance/repair vehicles will enter the site utilizing the main AADS entrance on American Avenue.

## **7. Number of Parking Spaces**

Employees and visitors will utilize 2-4 spaces at a time

## **8. No Goods are sold onsite**

## **9. Equipment Used**

See nature of operations above

## **10. Supplies and Materials Used**

LNG used to fuel onsite power generations, media and filters in CO<sub>2</sub>/membrane/PSA and H<sub>2</sub>S processing equipment is periodically replaced, compressor oil (stored in 55 gallon barrel with secondary spill containment).

## **11. Appearance**

Industrial gas processing equipment and instruments interconnected with piping/electrical on racks around the site, including two flare stacks. Containerized generator sets including exhaust stacks.

## **12. Solid and Liquid wastes produced**

Periodically used compressor and power generator engine oil disposed of offsite, LFG condensate will be disposed of offsite, and used media containing sulfur and carbon disposed of at the landfill.

## **13. Water Usage**

No Landfill Gas Processing water usage, only for domestic use on site.

## **14. Signage**

Small limited signage on office building.

## **15. New Buildings to be constructed.**

Fabricated metal building divided consisting of a Control room, MMC room and office space.

## **16. Building Usage**

Control room and office

## **17. Outdoor lighting and sound amplification**

Pole lighting compatible with existing area.

## **18. Fencing**

Security fencing around site compatible with existing site fencing.

## **19. Other info**

## **20 Owner information**

Developer Toro Energy of CA AA LLC, the applicant, is owned by West Coast RNG LLC in which both Toro and Colony Energy Partners LLC own an interest.





# County of Fresno

DEPARTMENT OF PUBLIC WORKS AND PLANNING  
STEVEN E. WHITE, DIRECTOR

## INITIAL STUDY APPLICATION

### INSTRUCTIONS

Answer all questions completely. An incomplete form may delay processing of your application. Use additional paper if necessary and attach any supplemental information to this form. Attach an operational statement if appropriate. This application will be distributed to several agencies and persons to determine the potential environmental effects of your proposal. Please complete the form in a legible and reproducible manner (i.e., USE BLACK INK OR TYPE).

OFFICE USE ONLY

IS No. \_\_\_\_\_

Project No(s). \_\_\_\_\_

Application Rec'd.: \_\_\_\_\_

### GENERAL INFORMATION

1. **Property Owner :** \_\_\_\_\_ **Phone/Fax** \_\_\_\_\_

**Mailing**

**Address:** \_\_\_\_\_

*Street*

*City*

*State/Zip*

2. **Applicant :** \_\_\_\_\_ **Phone/Fax:** \_\_\_\_\_

**Mailing**

**Address:** \_\_\_\_\_

*Street*

*City*

*State/Zip*

3. **Representative:** \_\_\_\_\_ **Phone/Fax:** \_\_\_\_\_

**Mailing**

**Address:** \_\_\_\_\_

*Street*

*City*

*State/Zip*

4. **Proposed Project:** \_\_\_\_\_

5. **Project Location:** \_\_\_\_\_

6. **Project Address:** \_\_\_\_\_

7. **Section/Township/Range:** \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

8. **Parcel Size:** \_\_\_\_\_

9. **Assessor's Parcel No.** \_\_\_\_\_



10. Land Conservation Contract No. (If applicable): \_\_\_\_\_

11. What other agencies will you need to get permits or authorization from:

- |   |   |
|---|---|
| _____ LAFCo (annexation or extension of services) | _____ SJVUAPCD (Air Pollution Control District) |
| _____ CALTRANS                                    | _____ Reclamation Board                         |
| _____ Division of Aeronautics                     | _____ Department of Energy                      |
| _____ Water Quality Control Board                 | _____ Airport Land Use Commission               |
| _____ Other _____                                 |   |

12. Will the project utilize Federal funds or require other Federal authorization subject to the provisions of the National Environmental Policy Act (NEPA) of 1969? \_\_\_\_\_ Yes \_\_\_\_\_ No

If so, please provide a copy of all related grant and/or funding documents, related information and environmental review requirements.

13. Existing Zone District<sup>1</sup>: \_\_\_\_\_

14. Existing General Plan Land Use Designation<sup>1</sup>: \_\_\_\_\_

**ENVIRONMENTAL INFORMATION**

15. Present land use: \_\_\_\_\_  
Describe existing physical improvements including buildings, water (wells) and sewage facilities, roads, and lighting. Include a site plan or map showing these improvements:

\_\_\_\_\_  
\_\_\_\_\_

Describe the major vegetative cover: \_\_\_\_\_

Any perennial or intermittent water courses? If so, show on map: \_\_\_\_\_

Is property in a flood-prone area? Describe:

\_\_\_\_\_  
\_\_\_\_\_

16. Describe surrounding land uses (e.g., commercial, agricultural, residential, school, etc.):

North: \_\_\_\_\_

South: \_\_\_\_\_

East: \_\_\_\_\_

West: \_\_\_\_\_

17. What land use(s) in the area may be impacted by your Project?: \_\_\_\_\_

\_\_\_\_\_

18. What land use(s) in the area may impact your project?: \_\_\_\_\_

\_\_\_\_\_

19. **Transportation:**

**NOTE:** The information below will be used in determining traffic impacts from this project. The data may also show the need for a Traffic Impact Study (TIS) for the project.

A. Will additional driveways from the proposed project site be necessary to access public roads?  
\_\_\_\_\_ Yes \_\_\_\_\_ No

B. **Daily traffic generation:**

I. **Residential - Number of Units** \_\_\_\_\_  
**Lot Size** \_\_\_\_\_  
**Single Family** \_\_\_\_\_  
**Apartments** \_\_\_\_\_

II. **Commercial - Number of Employees** \_\_\_\_\_  
**Number of Salesmen** \_\_\_\_\_  
**Number of Delivery Trucks** \_\_\_\_\_  
**Total Square Footage of Building** \_\_\_\_\_

III. **Describe and quantify other traffic generation activities:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

20. Describe any source(s) of noise from your project that may affect the surrounding area: \_\_\_\_\_

\_\_\_\_\_

21. Describe any source(s) of noise in the area that may affect your project: \_\_\_\_\_

\_\_\_\_\_

22. Describe the probable source(s) of air pollution from your project: \_\_\_\_\_

\_\_\_\_\_

23. **Proposed source of water:**

( ) private well

( ) community system<sup>3</sup> --name: \_\_\_\_\_

- 24. Anticipated volume of water to be used (gallons per day)<sup>2</sup>: \_\_\_\_\_
- 25. Proposed method of liquid waste disposal:  
 septic system/individual  
 community system<sup>3</sup>-name \_\_\_\_\_
- 26. Estimated volume of liquid waste (gallons per day)<sup>2</sup>: \_\_\_\_\_
- 27. Anticipated type(s) of liquid waste: \_\_\_\_\_
- 28. Anticipated type(s) of hazardous wastes<sup>2</sup>: \_\_\_\_\_
- 29. Anticipated volume of hazardous wastes<sup>2</sup>: \_\_\_\_\_
- 30. Proposed method of hazardous waste disposal<sup>2</sup>: \_\_\_\_\_
- 31. Anticipated type(s) of solid waste: \_\_\_\_\_
- 32. Anticipated amount of solid waste (tons or cubic yards per day): \_\_\_\_\_
- 33. Anticipated amount of waste that will be recycled (tons or cubic yards per day): \_\_\_\_\_
- 34. Proposed method of solid waste disposal: \_\_\_\_\_
- 35. Fire protection district(s) serving this area: \_\_\_\_\_
- 36. Has a previous application been processed on this site? If so, list title and date: \_\_\_\_\_  
 \_\_\_\_\_
- 37. Do you have any underground storage tanks (except septic tanks)? Yes \_\_\_\_\_ No \_\_\_\_\_
- 38. If yes, are they currently in use? Yes \_\_\_\_\_ No \_\_\_\_\_

TO THE BEST OF MY KNOWLEDGE, THE FOREGOING INFORMATION IS TRUE.

Matt Schmitt  
 SIGNATURE

\_\_\_\_\_  
 DATE

<sup>1</sup>Refer to Development Services Conference Checklist

<sup>2</sup>For assistance, contact Environmental Health System, (559) 600-3357

<sup>3</sup>For County Service Areas or Waterworks Districts, contact the Resources Division, (559) 600-4259

# **NOTICE AND ACKNOWLEDGMENT**

## **INDEMNIFICATION AND DEFENSE**

*The Board of Supervisors has adopted a policy that applicants should be made aware that they may be responsible for participating in the defense of the County in the event a lawsuit is filed resulting from the County's action on your project. You may be required to enter into an agreement to indemnify and defend the County if it appears likely that litigation could result from the County's action. The agreement would require that you deposit an appropriate security upon notice that a lawsuit has been filed. In the event that you fail to comply with the provisions of the agreement, the County may rescind its approval of the project.*

## **STATE FISH AND WILDLIFE FEE**

*State law requires that specified fees (effective January 1, 2017: \$3,078.25 for an EIR; \$2,216.25 for a (Mitigated/Negative Declaration) be paid to the California Department of Fish and Wildlife (CDFW) for projects which must be reviewed for potential adverse effect on wildlife resources. The County is required to collect the fees on behalf of CDFW. A \$50.00 handling fee will also be charged, as provided for in the legislation, to defray a portion of the County's costs for collecting the fees.*

*The following projects are exempt from the fees:*

- 1. All projects statutorily exempt from the provisions of CEQA (California Environmental Quality Act).*
- 2. All projects categorically exempt by regulations of the Secretary of Resources (State of California) from the requirement to prepare environmental documents.*

*A fee exemption may be issued by CDFW for eligible projects determined by that agency to have "no effect on wildlife." That determination must be provided in advance from CDFW to the County at the request of the applicant. You may wish to call the local office of CDFW at (559) 222-3761 if you need more information.*

*Upon completion of the Initial Study you will be notified of the applicable fee. Payment of the fee will be required before your project will be forwarded to the project analyst for scheduling of any required hearings and final processing. The fee will be refunded if the project should be denied by the County.*

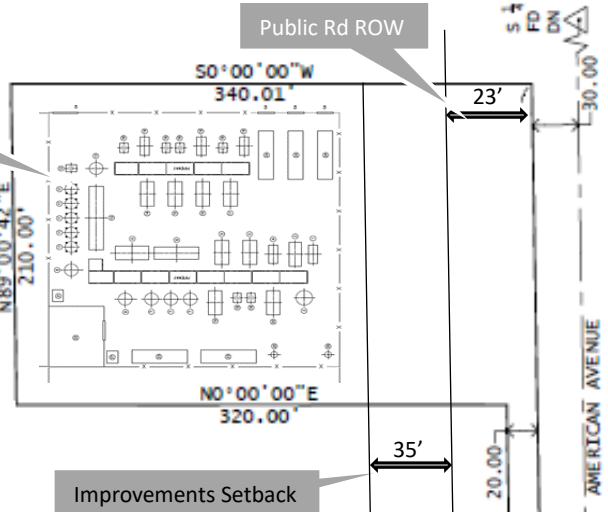
*Matt Schmitt*  
\_\_\_\_\_  
Applicant's Signature

\_\_\_\_\_  
Date

**EXHIBIT 1A**



Lease Parcel Landfill  
Gas Conditioning  
System Improvements



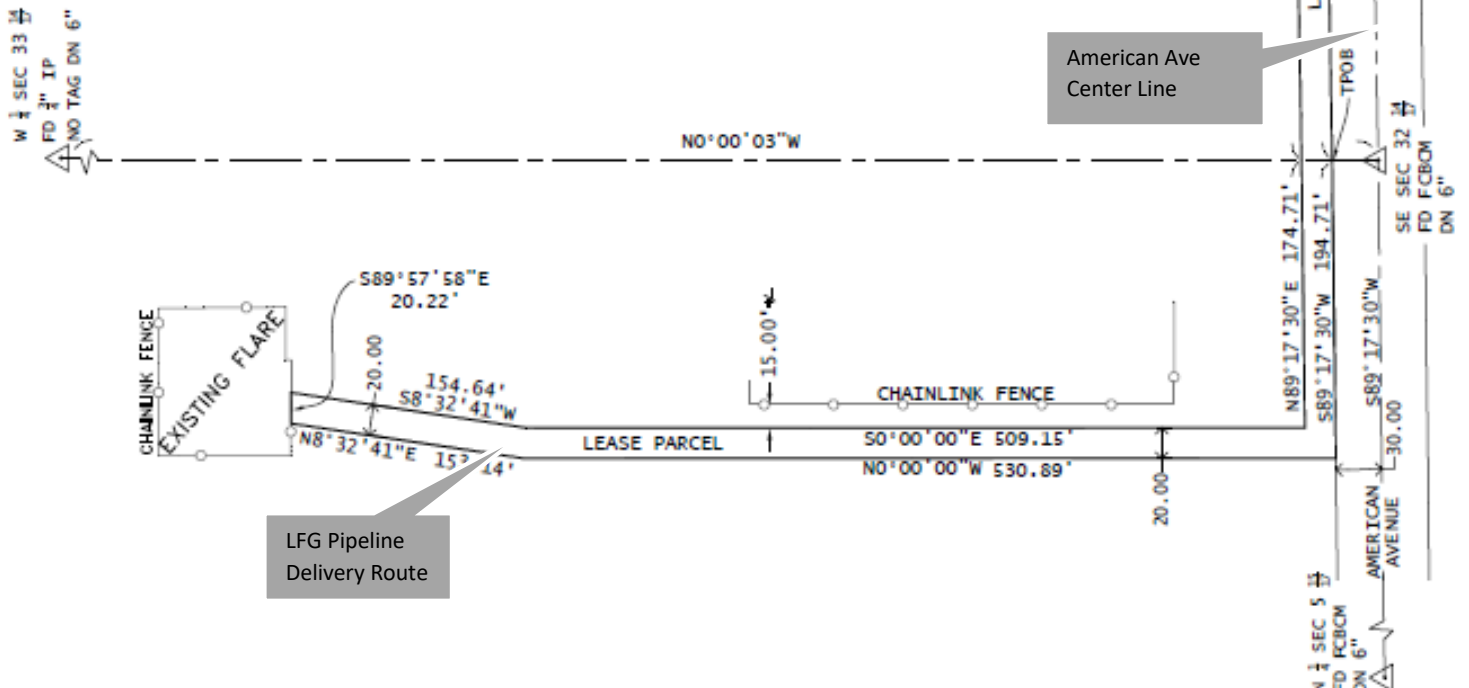
Improvements Setback

Public Rd ROW

**EXHIBIT 1A LEASE PARCEL PROPERTY DESCRIPTION:**

COMMENCING at the Southeast Corner of Section 32, Township 14 South, Range 17 East, Mount Diablo Base and Meridian, according to the Official Government Plat thereof; THENCE N0°00'03"W, 30.00 feet to the North Line of the South 30 feet of said Section 32, said point also being the TRUE POINT OF BEGINNING; THENCE S89°17'30"W along said North Line, 194.71 feet; THENCE N00°00'00"W, 530.89 feet; THENCE N8°32'41"E, 153.14 feet; THENCE S89°57'58"E, 20.22 feet; THENCE S8°32'41"W, 154.64 feet; THENCE S00°00'00"E, 509.15 feet; THENCE N89°17'30"W, 174.71 feet; THENCE N89°00'42"E, 560.28 feet; THENCE N00°00'00"E, 320.00 feet; THENCE N89°00'42"E, 210.00 feet; THENCE S00°00'00"W, 340.01 feet to the North Line of the South 30 feet of Section 33, Township 14 South, Range 17 East, Mount Diablo Base and Meridian; THENCE S89°00'42"W along said North Line, 770.27 feet to the POINT OF BEGINNING.

Approximately 2.290 Acres



American Ave  
Center Line

LFG Pipeline  
Delivery Route

SURVEYED: LV, SA, CC	DATE: 08/23
DRAWN: LV, MM	DATE: 08/23
CHECKED: MM	DATE: 08/23



AMERICAN AVENUE  
DISPOSAL SITE  
LANDFILL GAS TO ENERGY  
LEASE OPTION

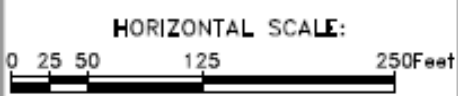




EXHIBIT 1A

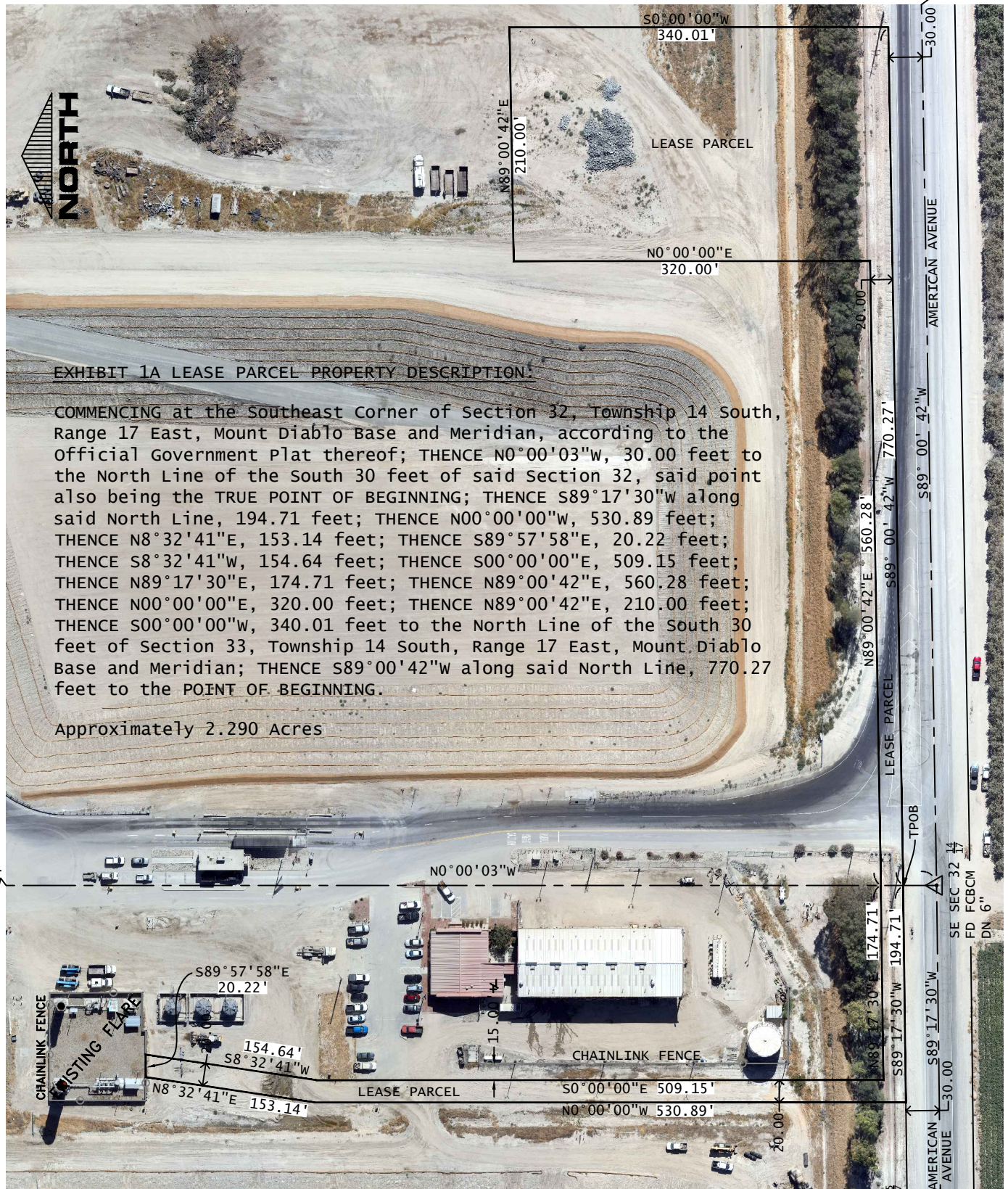


EXHIBIT 1A LEASE PARCEL PROPERTY DESCRIPTION:

COMMENCING at the Southeast Corner of Section 32, Township 14 South, Range 17 East, Mount Diablo Base and Meridian, according to the Official Government Plat thereof; THENCE N0°00'03"W, 30.00 feet to the North Line of the South 30 feet of said Section 32, said point also being the TRUE POINT OF BEGINNING; THENCE S89°17'30"W along said North Line, 194.71 feet; THENCE N00°00'00"W, 530.89 feet; THENCE N8°32'41"E, 153.14 feet; THENCE S89°57'58"E, 20.22 feet; THENCE S8°32'41"W, 154.64 feet; THENCE S00°00'00"E, 509.15 feet; THENCE N89°17'30"E, 174.71 feet; THENCE N89°00'42"E, 560.28 feet; THENCE N00°00'00"E, 320.00 feet; THENCE N89°00'42"E, 210.00 feet; THENCE S00°00'00"W, 340.01 feet to the North Line of the South 30 feet of Section 33, Township 14 South, Range 17 East, Mount Diablo Base and Meridian; THENCE S89°00'42"W along said North Line, 770.27 feet to the POINT OF BEGINNING.

Approximately 2.290 Acres

W 1/4 SEC 33 14  
FD 3" IP  
NO TAG DN 6"

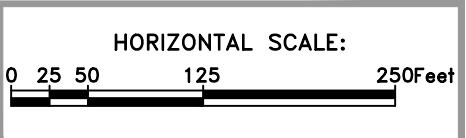
S 1/4 33 14  
FD FCBCM  
DN 6"

N 1/4 SEC 5  
FD FCBCM  
DN 6"

SURVEYED: LV, SA, CC	DATE: 08/23
DRAWN: LV, MM	08/23
CHECKED: MM	08/23

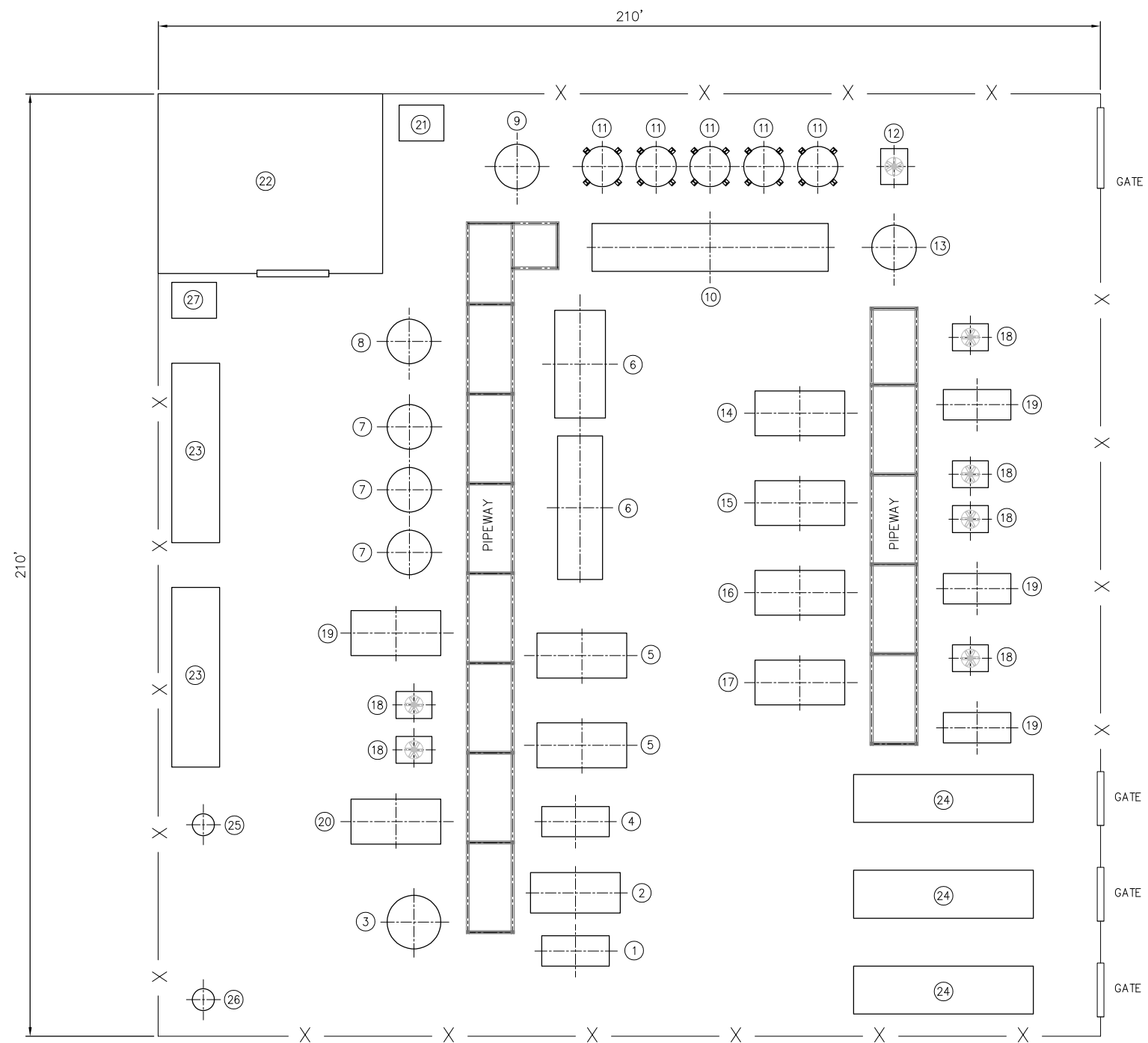


AMERICAN AVENUE  
DISPOSAL SITE  
LANDFILL GAS TO ENERGY  
LEASE OPTION

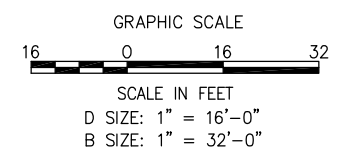


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

A  
B  
C  
D  
E  
F  
G  
H  
I  
J



NO	EQUIPMENT DESCRIPTION
1	BLOWER SKID
2	BLOWER COOLER
3	H2S VESSEL
4	CHILLER SKID
5	FEED COMPRESSORS
6	AIR LIQUIDE SKIDS
7	AIR LIQUIDE ACTIVATED CARBON VESSELS
8	CO2 PRODUCT BUFFER VESSEL
9	N2 TAIL GAS BUFFER VESSEL
10	N2 PSA VALVE SKID
11	N2 ADSORBER VESSELS
12	PRODUCT GAS COOLER
13	PRODUCT GAS BUFFER TANK
14	N2 VACUUM COMPRESSOR
15	N2 RECYCLE COMPRESSOR
16	PRODUCT GAS COMPRESSION STAGE 1
17	PRODUCT GAS COMPRESSION STAGE 2
18	OIL COOLERS
19	GAS COOLERS
20	CHILLER CONDENSER
21	PLANT AIR COMPRESSOR
22	POWER DISTRIBUTION CENTER
23	ENGINE/GENERATOR
24	NATURAL GAS UNLOADING BAYS
25	THERMAL OXIDIZER
26	OFF-SPEC GAS FLARE
27	TRANSFORMERS



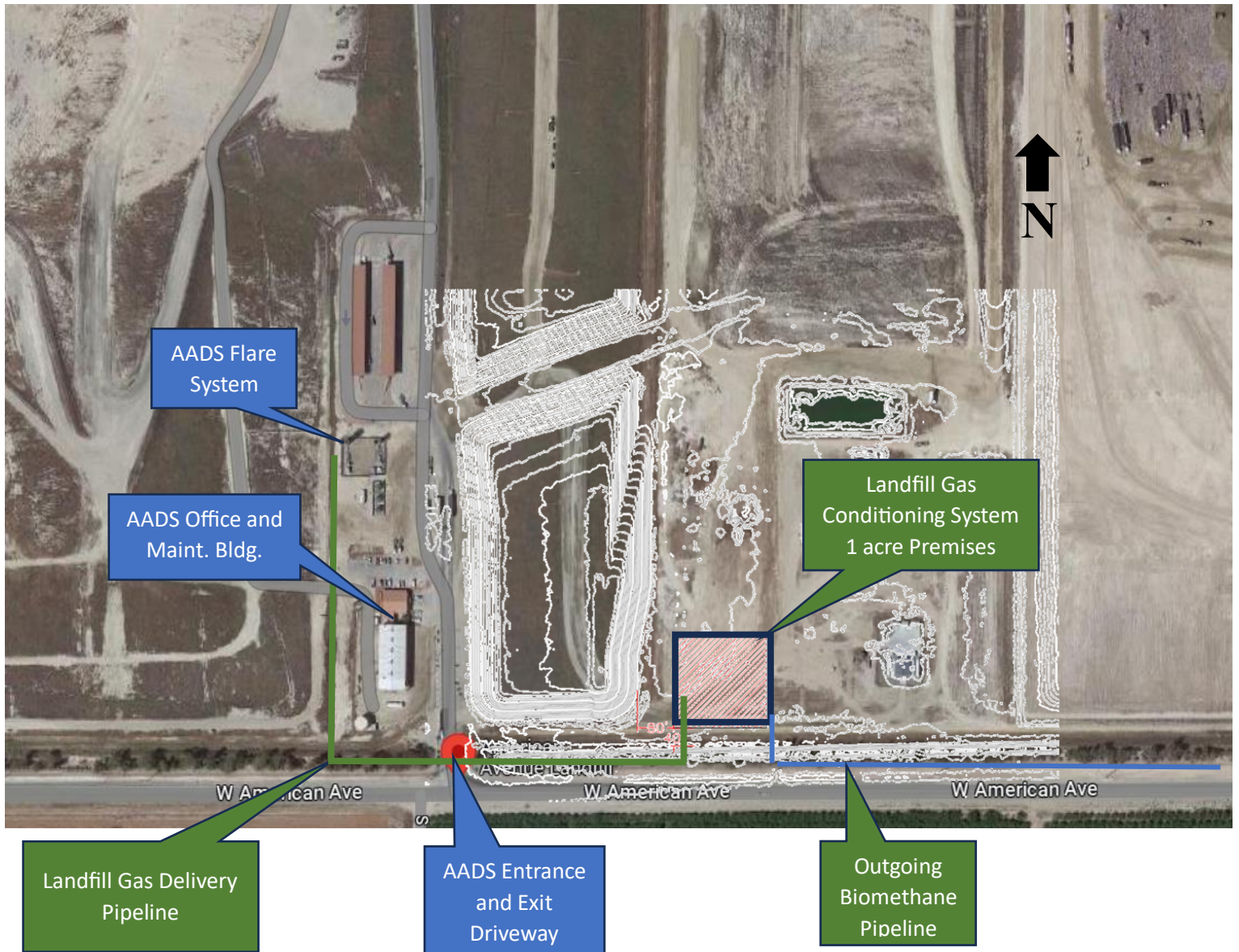
E:\Proposals and Pending Jobs\90000001.06 American Avenue Landfill\General\G-100.dwg Aug 11, 2023 - 7:09am By: dloccarro

**FOR PROPOSAL**

NAME: EXPIRATION DATE: PROFESSIONAL ENGINEER LIC. NO.:	 3900 KILROY AIRPORT WAY LONG BEACH, CA 90806 (562) 426-9544	CLIENT	SHEET TITLE	NO. REVISION DATE PROJECT DATE: 04/23/23 SCALE: AS SHOWN DRAWING NO. <b>G-100</b>
		COLONY ENERGY PARTNERS	<b>GENERAL ARRANGEMENT PLAN</b>	
PROJ. NO. 90000001.06 DSN. BY: DL	DWN. BY: DL CHK. BY: JP	ACAD FILE: APP. BY: JP	PROJECT TITLE <b>AMERICAN AVENUE LANDFILL          RNG PLANT</b>	



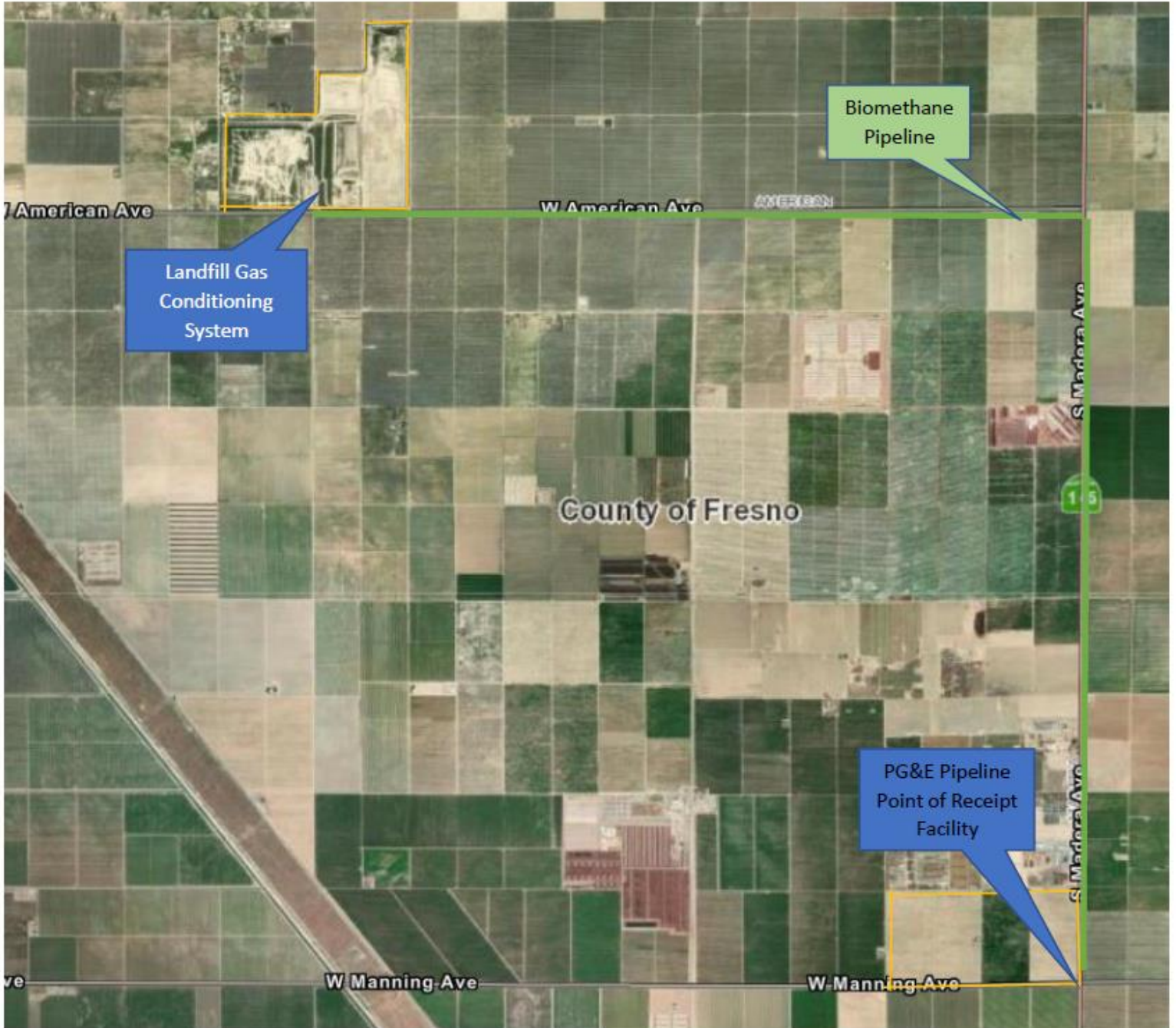
# Toro AADS LFGTE Site Plan



Scale | 200ft |



Toro American Avenue Landfill Gas PG&E Pipeline Point of Receipt location

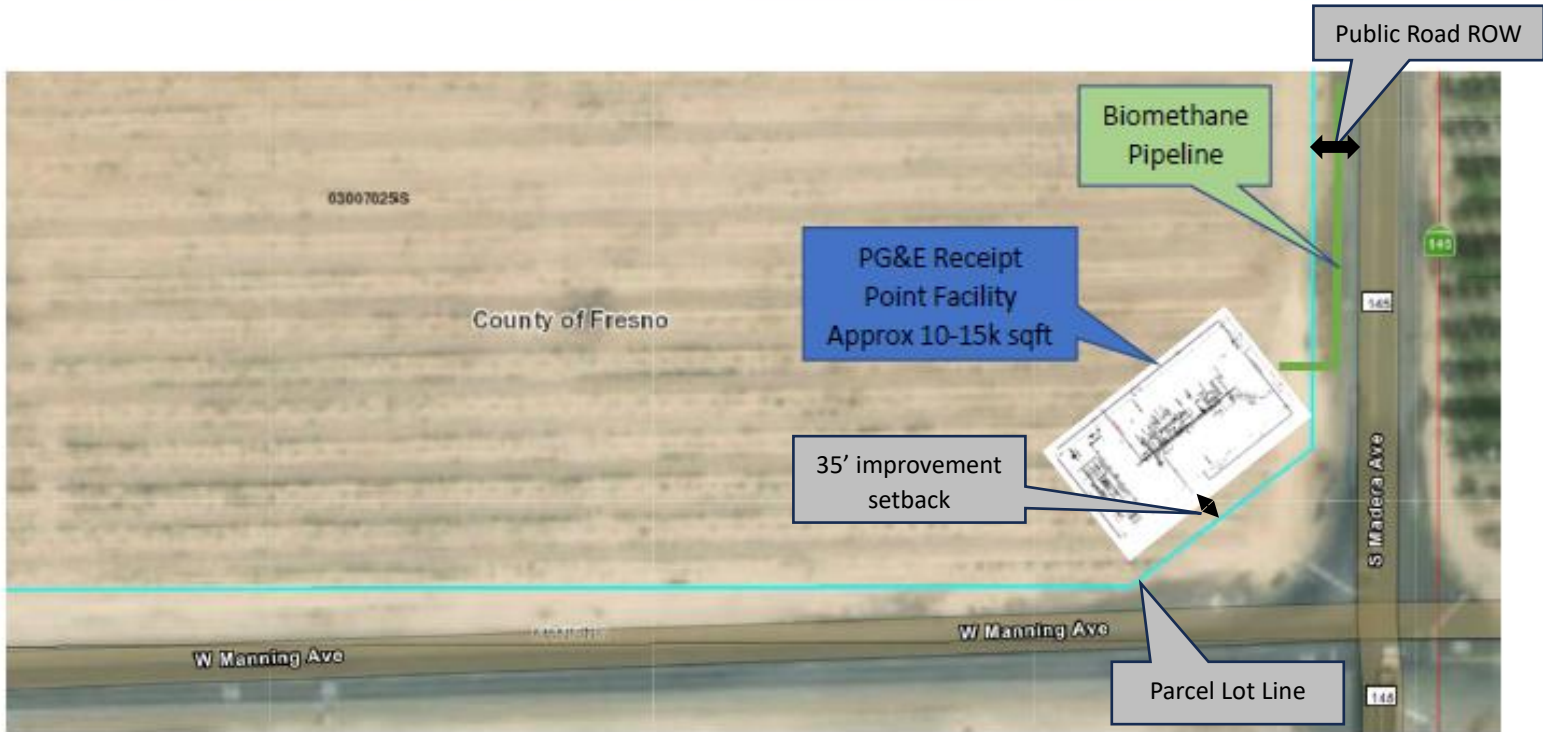


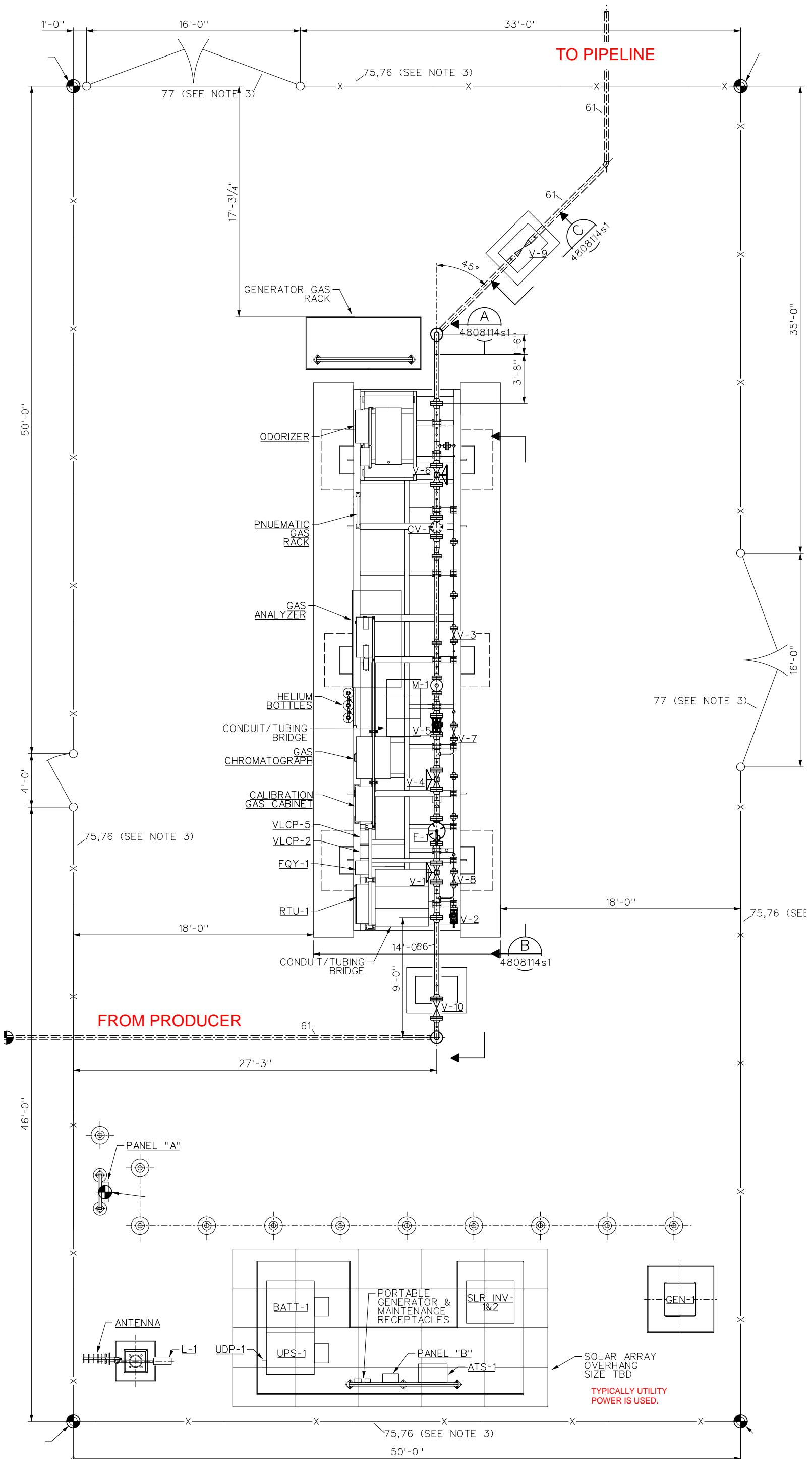
AP # 030-070-25S

Owner: UPPAL AMRIK & JASWINDER SALHOTRA PREM P

Mailing Address: 5918 N Caspian Ave Fresno CA 93723

Parcel Address: 15502 W Manning Kerman CA 9360









# County of Fresno

DEPARTMENT OF PUBLIC WORKS AND PLANNING  
STEVEN E. WHITE, DIRECTOR

DATE: March 30, 2023

TO: Department of Public Works and Planning, Attn: Steven E. White, Director  
Department of Public Works and Planning, Attn: Bernard Jimenez,  
Planning and Resource Management Officer  
Development Services and Capital Projects, Attn: William M. Kettler,  
Division Manager  
Development Services and Capital Projects, Attn: Chris Motta, Principal  
Planner  
Development Services and Capital Projects, Attn: Tawanda Mtunga,  
Principal Planner  
Development Services and Capital Projects, Current/Environmental  
Planning, Attn: David Randall, Senior Planner  
Development Services and Capital Projects, Policy Planning, Attn:  
Mohammad Khorsand, Senior Planner  
Development Services and Capital Projects, Zoning & Permit Review,  
Attn: James Anders, Senior Planner/Daniel Gutierrez, Senior  
Planner  
Development Services and Capital Projects, Development Engineering,  
Attn: Laurie Kennedy, Office Assistant III  
Water and Natural Resources Division, Attn: Augustine Ramirez, Division  
Manager  
Water and Natural Resources Division, Attn: Roy Jimenez, Senior Planner  
Water and Natural Resources Division, Transportation Planning, Attn:  
Hector Luna, Senior Planner  
Water and Natural Resources Division, Community Development, Attn:  
Yvette Quiroga, Principal Planner  
Design Division, Attn: Mohammad Alimi, Division Manager;  
Erin Haagenson, Principal Staff Analyst  
Resources Division, Attn: Daniel Amann, Interim Division Manger  
Resources Division, Special Districts, Attn: Christopher Bump, Principal  
Staff Analyst,  
Road Maintenance and Operations Division, Attn: Wendy Nakagawa,  
Supervising Engineer  
Department of Public Health, Environmental Health Division, Attn: Deep  
Sidhu, Supervising Environmental Health Specialist; Kevin Tsuda,  
Environmental Health Specialist;  
U.S. Fish and Wildlife Service, San Joaquin Valley Division,  
Attn: Matthew Nelson  
CA Regional Water Quality Control Board, Attn:  
[centralvalleyfresno@waterboards.ca.gov](mailto:centralvalleyfresno@waterboards.ca.gov)  
CA Department of Fish and Wildlife, Attn: [R4CEQA@wildlife.ca.gov](mailto:R4CEQA@wildlife.ca.gov)  
State Water Resources Control Board, Division of Drinking Water, Fresno District,  
Attn: Cinthia Reyes  
Dumna Wo Wah Tribal Government, Attn: Robert Ledger, Tribal Chairman/Eric  
Smith, Cultural Resources Manager/Chris Acree, Cultural Resources Analyst

Picayune Rancheria of the Chukchansi Indians, Attn: Heather Airey/Cultural Resources Director  
Santa Rosa Rancheria Tachi Yokut Tribe, Attn: Ruben Barrios, Tribal Chairman, Director/Shana Powers, Cultural Specialist II  
Table Mountain Rancheria, Attn: Robert Pennell, Cultural Resources Director  
San Joaquin Valley Unified Air Pollution Control District (PIC-CEQA Division), Attn: PIC Supervisor  
North Central Fire Protection District, Attn: George D. Mavrikis  
Fresno County Fire Protection District, Attn: FKU.prevention-planning@fire.ca.gov

FROM: Ejaz Ahmad, Planner  
Development Services and Capital Projects Division

SUBJECT: Initial Study Application No. 8380, Unclassified Conditional Use Permit Application No. 3762

APPLICANT: Toro of California AA. LLC

DUE DATE: April 13, 2023

The Department of Public Works and Planning, Development Services and Capital Projects Division is reviewing the subject application proposing to allow the construction and operation of a landfill gas conditioning system on an approximately 21,000 square feet portion of a 78-acre Fresno County landfill site (Assessor Parcel Number 020-210-35ST) and an 8-mile pipeline route within road rights-of-ways along American Ave and State Route 145 (Madera Avenue) to the PG&E interconnection Receipt Point facility on an approximately 10,000 square feet portion of a 313.6-acre parcel (Assessor parcel Number 030-070-25S).

The Department is also reviewing the project for environmental effects, as mandated by the California Environmental Quality Act (CEQA) and for conformity with plans and policies of the County. Based upon this review, a determination will be made regarding conditions to be imposed on the project, including necessary on-site and off-site improvements.

We must have your comments by **April 13, 2023**. Any comments received after this date may not be used.

**NOTE - THIS WILL BE OUR ONLY REQUEST FOR WRITTEN COMMENTS. If you do not have comments, please provide a "NO COMMENT" response to our office by the above deadline (e-mail is also acceptable; see email address below).**

Please address any correspondence or questions related to environmental and/or policy/design issues to me, Ejaz Ahmad, Planner, Development Services and Capital Projects Division, Fresno County Department of Public Works and Planning, 2220 Tulare Street, Sixth Floor, Fresno, CA 93721, or call (559) 600-4204, or email eahmad@fresnocountyca.gov

EA  
G:\4360Devs&PIn\PROJSEC\PROJDOCS\CUP\3700-3799\3762\Routing\CUP 3762 Routing Ltr.doc  
*Activity Code (Internal Review):2432*

Enclosures



Fresno County Department of Public Works and Planning

Date Received:

(Application No.)

MAILING ADDRESS:

Department of Public Works and Planning
Development Services Division
2220 Tulare St., 6th Floor
Fresno, Ca. 93721

LOCATION:

Southwest corner of Tulare & "M" Streets, Suite A
Street Level
Fresno Phone: (559) 600-4497
Toll Free: 1-800-742-1011 Ext. 0-4497

APPLICATION FOR:

- Pre-Application (Type)
Amendment Application
Amendment to Text
Conditional Use Permit
Variance (Class )/Minor Variance
Site Plan Review/Occupancy Permit
No Shoot/Dog Leash Law Boundary
General Plan Amendment/Specific Plan/SP Amendment
Time Extension for
Director Review and Approval
for 2nd Residence
Determination of Merger
Agreements
ALCC/RLCC
Other

DESCRIPTION OF PROPOSED USE OR REQUEST:

Allow the construction and operation of a landfill gas conditioning system and pipeline to receipt point facility in the AE-20 Zone District.

CEQA DOCUMENTATION: Initial Study PER N/A

PLEASE USE FILL-IN FORM OR PRINT IN BLACK INK. Answer all questions completely. Attach required site plans, forms, statements, and deeds as specified on the Pre-Application Review. Attach Copy of Deed, including Legal Description.

LOCATION OF PROPERTY: side of

between and

Street address: 18950 West American Avenue, Kerman, CA93630

APN: 020-210-35ST Parcel size: 0.34 Acre Section(s)-Twp/Rg: S 32 - T 14 S/R 17 E

ADDITIONAL APN(s):

I, Matt Schmitt, declare that I am the owner, or authorized representative of the owner, of the above described property and that the application and attached documents are in all respects true and correct to the best of my knowledge. The foregoing declaration is made under penalty of perjury.

Table with 5 columns: County of Fresno, Owner (Print or Type), Address, City, Zip, Phone. Rows include Toro of California AA, LLC and Toro of California AA, LLC.

CONTACT EMAIL: Matt@ColonyEnergyPartners.com

OFFICE USE ONLY (PRINT FORM ON GREEN PAPER)

Application Type / No.: CUP(U) 3762 Fee: \$ 9,123.00
Application Type / No.: Fee: \$
Application Type / No.: Fee: \$
Application Type / No.: Fee: \$
PER/Initial Study No.: IS 8380 Fee: \$ 5,151.00
Ag Department Review: Fee: \$ 992.00
Health Department Review: Fee: \$ 93.00
Received By: EJM Invoice No.: TOTAL: \$ 15,359.00

UTILITIES AVAILABLE:

WATER: Yes [ ] / No [x]
Agency: \_\_\_\_\_

SEWER: Yes [ ] / No [x]
Agency: \_\_\_\_\_

STAFF DETERMINATION: This permit is sought under Ordinance Section:

Sect-Twp/Rg: - T - S/R - E

Related Application(s):

APN # - -

APN # - -

APN # - -

APN # - -

Zone District:

Parcel Size:



Development Services  
and  
Capital Projects  
Division

Email to:

**Pre-Application Review**

**Department of Public Works and Planning**

NUMBER: 21-004394  
APPLICANT: County of Fresno  
PHONE: \_\_\_\_\_

PROPERTY LOCATION: 18950 W American Avenue, Kerman  
APN(s): 020-210-35ST ALCC: No  Yes # \_\_\_\_\_ VIOLATION NO. None  
CNEL: No  Yes \_\_\_\_\_ (level) LOW WATER: No  Yes \_\_\_\_\_ WITHIN 1/2 MILE OF CITY: No  Yes \_\_\_\_\_  
ZONE DISTRICT: AE-20; SRA: No  Yes \_\_\_\_\_ HOMESITE DECLARATION REQ'D.: No  Yes \_\_\_\_\_  
LOT STATUS: \_\_\_\_\_

Zoning:  Conforms; ( ) Legal Non-Conforming lot; ( ) Deed Review Req'd (see Form #236)  
Merger: May be subject to merger: No  Yes \_\_\_\_\_ ZM# \_\_\_\_\_ Initiated \_\_\_\_\_ In process \_\_\_\_\_  
Map Act: ( ) Lot of Rec. Map;  On '72 rolls; ( ) Other \_\_\_\_\_; ( ) Deeds Req'd (see Form #236)  
SCHOOL FEES: No  Yes \_\_\_\_\_ DISTRICT: \_\_\_\_\_ PERMIT JACKET: No \_\_\_\_\_ Yes   
FMFCD FEE AREA:  Outside ( ) District No.: \_\_\_\_\_ FLOOD PRONE: No  Yes \_\_\_\_\_  
PROPOSAL UCUP to allow the operation of a Landfill Gas Conditioning System and pipeline to receipt point facility.

COMMENTS: Location of pipeline receipt point facility has not been identified at this time - to be located on private property.  
ORD. SECTION(S): 853-B.19 BY: James Anders DATE: 5/6/2021

<b>GENERAL PLAN POLICIES:</b>	<b>PROCEDURES AND FEES:</b>
LAND USE DESIGNATION: <u>AGRICULTURE</u> ( ) GPA: _____ ( ) MINOR VA: _____	COMMUNITY PLAN: _____ ( ) JAA: _____ ( ) HD: <u>\$ 912.00</u>
REGIONAL PLAN: _____ ( ) CUP: <u>\$ 9,123.00</u>	( ) AG COMM: <u>\$ 93.00</u>
SPECIFIC PLAN: _____ ( ) DRA: _____ ( ) ALCC: _____	( ) IS/PER*: <u>\$ 5,151.00</u>
SPECIAL POLICIES: _____ ( ) JA: _____ ( ) Viol. (35%): _____	( ) Other: _____
SPHERE OF INFLUENCE: _____ ( ) JAT: _____	
ANNEX REFERRAL (LU-G17/MOU): _____ ( ) JT: _____	
COMMENTS: _____	Filing Fee: \$ _____
	Pre-Application Fee: <u>- \$247.00</u>
	Total County Filing Fee: <u>\$ 15,359.00</u>

**FILING REQUIREMENTS:**

**OTHER FILING FEES:**

- Land Use Applications and Fees
- This Pre-Application Review Form
- Copy of Deed / Legal Description
- Photographs
- Letter Verifying Deed Review
- IS Application and Fees\* \* Upon review of project materials, an Initial Study (IS) with fees may be required.
- Site Plans - 4 copies (folded to 8.5"x11") + 1 - 8.5"x11" reduction
- Floor Plan & Elevations - 4 copies (folded to 8.5"x11") + 1 - 8.5"x11" reduction
- Project Description / Operational Statement (Typed)
- Statement of Variance Findings
- Statement of Intended Use (ALCC)
- Dependency Relationship Statement
- Resolution/Letter of Release from City of \_\_\_\_\_

- Archaeological Inventory Fee: \$75 at time of filing  
(Separate check to Southern San Joaquin Valley Info. Center)
- CA Dept. of Fish & Wildlife (CDFW): (\$50+\$2,480.25)  
(Separate check to Fresno County Clerk for pass-thru to CDFW. Must be paid prior to IS closure and prior to setting hearing date.)

BY: [Signature] Referral Letter # \_\_\_\_\_  
EJAZ AHMAD DATE: 05/06/21  
PHONE NUMBER: (559) 600-4204

NOTE: THE FOLLOWING REQUIREMENTS MAY ALSO APPLY:

<input type="checkbox"/> COVENANT	<input checked="" type="checkbox"/> SITE PLAN REVIEW
<input type="checkbox"/> MAP CERTIFICATE	<input checked="" type="checkbox"/> BUILDING PLANS
<input type="checkbox"/> PARCEL MAP	<input checked="" type="checkbox"/> BUILDING PERMITS
<input type="checkbox"/> FINAL MAP	<input type="checkbox"/> WASTE FACILITIES PERMIT
<input type="checkbox"/> FMFCD FEES	<input checked="" type="checkbox"/> SCHOOL FEES
<input type="checkbox"/> ALUC or ALCC	<input type="checkbox"/> OTHER (see reverse side)

PLU # 113 Fee: \$247.00  
Note: This fee will apply to the application fee if the application is submitted within six (6) months of the date on this receipt.

OVER.....



# County of Fresno

DEPARTMENT OF PUBLIC WORKS AND PLANNING  
STEVEN E. WHITE, DIRECTOR

## INITIAL STUDY APPLICATION

### INSTRUCTIONS

Answer all questions completely. An incomplete form may delay processing of your application. Use additional paper if necessary and attach any supplemental information to this form. Attach an operational statement if appropriate. This application will be distributed to several agencies and persons to determine the potential environmental effects of your proposal. Please complete the form in a legible and reproducible manner (i.e., USE BLACK INK OR TYPE).

OFFICE USE ONLY	
IS No.	<u>8380</u>
Project No(s)	<u>CWP 3762</u>
Application Rec'd:	_____

### GENERAL INFORMATION

- Property Owner :** County of Fresno **Phone/Fax** 559-600-4497/ 559-600-4200

**Mailing Address:** 2220 Tulare Street, Sixth Floor Fresno CA/93721

*Street City State/Zip*
- Applicant :** Toro of California AA, LLC **Phone/Fax:** 949-842-4827

**Mailing Address:** 2151 Michelson Dr, Suite 164 Irvine CA/92612

*Street City State/Zip*
- Representative:** Toro of California AA LLC **Phone/Fax:** 949-842-4827

**Mailing Address:** 2151 Michelson Dr, Suite 164 Irvine CA/92612

*Street City State/Zip*
- Proposed Project:** The Project will process Landfill Gas ("LFG") onsite to remove generate pipeline grade renewable gas ("RNG") at American Avenue Disposal Site ("AADS") located at 18950 W American Avenue, Kerman CA 93630.

The landfill gas will be transported through a new 8 Mi underground pipeline and injected into an existing PG&E pipeline.
- Project Location:** The American Avenue Disposal Site
- Project Address:** 18950 West American Avenue, Kerman, CA93630
- Section/Township/Range:** 32 / 14 S / 17 E **Parcel Size:** 0.34 Acre
- Assessor's Parcel No.** 020-210-35ST



10. Land Conservation Contract No. (If applicable): NA

11. What other agencies will you need to get permits or authorization from:

<input checked="" type="checkbox"/> LAFCo (annexation or extension of services)	<input type="checkbox"/> SJVUAPCD (Air Pollution Control District)
<input type="checkbox"/> CALTRANS	<input type="checkbox"/> Reclamation Board
<input type="checkbox"/> Division of Aeronautics	<input type="checkbox"/> Department of Energy
<input type="checkbox"/> Water Quality Control Board	<input type="checkbox"/> Airport Land Use Commission
<input type="checkbox"/> Other _____	

12. Will the project utilize Federal funds or require other Federal authorization subject to the provisions of the National Environmental Policy Act (NEPA) of 1969?  Yes  No

If so, please provide a copy of all related grant and/or funding documents, related information and environmental review requirements.

13. Existing Zone District<sup>1</sup>: AE20

14. Existing General Plan Land Use Designation<sup>1</sup>: Exclusive Agricultural

**ENVIRONMENTAL INFORMATION**

15. Present land use: Landfill  
Describe existing physical improvements including buildings, water (wells) and sewage facilities, roads, and lighting. Include a site plan or map showing these improvements:

The physical improvements include the construction and operation of a new Landfill Gas conditioning System (LFGCS) on up to 0.5 acres within the landfill.

8 miles of new underground gas pipeline in county road row.

Describe the major vegetative cover: None

Any perennial or intermittent water courses? If so, show on map: No

Is property in a flood-prone area? Describe:

No

16. Describe surrounding land uses (e.g., commercial, agricultural, residential, school, etc.):

North: Agricultural

South: Agricultural

East: Agricultural

West: Agricultural

17. **What land use(s) in the area may be impacted by your Project?** The project is designed to support the landfill and will not have an impact on landfill operations. The pipeline will be underground and not affect landuse, other than during construction.

18. **What land use(s) in the area may impact your project?** NA

19. **Transportation:**

**NOTE:** The information below will be used in determining traffic impacts from this project. The data may also show the need for a Traffic Impact Study (TIS) for the project.

A. **Will additional driveways from the proposed project site be necessary to access public roads?**  
       Yes         No

B. **Daily traffic generation:**

I. <b>Residential - Number of Units</b>	<u>None</u>
<b>Lot Size</b>	<u>None</u>
<b>Single Family</b>	<u>None</u>
<b>Apartments</b>	<u>None</u>

II. <b>Commercial - Number of Employees</b>	<u>2</u>
<b>Number of Salesmen</b>	<u>0</u>
<b>Number of Delivery Trucks</b>	<u>      </u>
<b>Total Square Footage of Building</b>	<u>      </u>

III. **Describe and quantify other traffic generation activities:** No traffic generating activities

20. **Describe any source(s) of noise from your project that may affect the surrounding area:** the project includes  
low gas compressors on the existing landfill operation. Typically the equipment would have a noise rating of 65 dBA. Given location and design characteristics, off-site noise impacts should be minimal.

21. **Describe any source(s) of noise in the area that may affect your project:** NA

22. **Describe the probable source(s) of air pollution from your project:** Construction of LFGCS and the new pipeline - Temporary.  
The fuel cleanup needs will require periodic reagent store via incineration (10 MMSCfd/hr capacity), minor CO, SO<sub>2</sub> and HAP emissions, and low or non-existing flaring operations. Continuous Supplemental PC for gas flare on 230'

23. **Proposed source of water:**  
( ) private well  
( ) community system<sup>3</sup>--name: NA

- 24. Anticipated volume of water to be used (gallons per day)<sup>2</sup>: NA
- 25. Proposed method of liquid waste disposal:  
 septic system/individual  
 community system<sup>3</sup>-name Treated on site if necessary for offsite disposal
- 26. Estimated volume of liquid waste (gallons per day)<sup>2</sup>: 50 gallons/minute LFG condensate
- 27. Anticipated type(s) of liquid waste: Used compressor oil
- 28. Anticipated type(s) of hazardous wastes<sup>2</sup>: Used compressor oil
- 29. Anticipated volume of hazardous wastes<sup>2</sup>: Approximately 55 Gallons
- 30. Proposed method of hazardous waste disposal<sup>2</sup>: Offsite disposal.
- 31. Anticipated type(s) of solid waste: Gas Conditioning System used media containing sulfur and carbon.
- 32. Anticipated amount of solid waste (tons or cubic yards per day): Solid waste is carbon material from GCS and very infrequent
- 33. Anticipated amount of waste that will be recycled (tons or cubic yards per day): 0
- 34. Proposed method of solid waste disposal: Landfill
- 35. Fire protection district(s) serving this area: North Central Fire Protection District
- 36. Has a previous application been processed on this site? If so, list title and date: No
- 37. Do you have any underground storage tanks (except septic tanks)? Yes \_\_\_\_\_ No
- 38. If yes, are they currently in use? Yes \_\_\_\_\_ No

TO THE BEST OF MY KNOWLEDGE, THE FOREGOING INFORMATION IS TRUE.

**Matt Schmitt**  
 Digitally signed by Matt Schmitt  
 Date: 2023.02.28 10:28:37 -08'00'

2/28/2023  
 DATE

SIGNATURE

<sup>1</sup>Refer to Development Services Conference Checklist  
<sup>2</sup>For assistance, contact Environmental Health System, (559) 600-3357  
<sup>3</sup>For County Service Areas or Waterworks Districts, contact the Resources Division, (559) 600-4259

(Revised 5/2/16)

# NOTICE AND ACKNOWLEDGMENT

## INDEMNIFICATION AND DEFENSE

The Board of Supervisors has adopted a policy that applicants should be made aware that they may be responsible for participating in the defense of the County in the event a lawsuit is filed resulting from the County's action on your project. You may be required to enter into an agreement to indemnify and defend the County if it appears likely that litigation could result from the County's action. The agreement would require that you deposit an appropriate security upon notice that a lawsuit has been filed. In the event that you fail to comply with the provisions of the agreement, the County may rescind its approval of the project.

## STATE FISH AND WILDLIFE FEE

State law requires that specified fees (effective January 1, 2017: \$3,078.25 for an EIR; \$2,216.25 for a Mitigated/Negative Declaration) be paid to the California Department of Fish and Wildlife (CDFW) for projects which must be reviewed for potential adverse effect on wildlife resources. The County is required to collect the fees on behalf of CDFW. A \$50.00 handling fee will also be charged, as provided for in the legislation, to defray a portion of the County's costs for collecting the fees.

The following projects are exempt from the fees:

1. All projects statutorily exempt from the provisions of CEQA (California Environmental Quality Act).
2. All projects categorically exempt by regulations of the Secretary of Resources (State of California) from the requirement to prepare environmental documents.

A fee exemption may be issued by CDFW for eligible projects determined by that agency to have "no effect on wildlife." That determination must be provided in advance from CDFW to the County at the request of the applicant. You may wish to call the local office of CDFW at (559) 222-3761 if you need more information.

Upon completion of the Initial Study you will be notified of the applicable fee. Payment of the fee will be required before your project will be forwarded to the project analyst for scheduling of any required hearings and final processing. The fee will be refunded if the project should be denied by the County.

**Matt Schmitt**

Digitally signed by Matt Schmitt  
Date: 2023.03.01 12:07:10  
-08'00'

Applicant's Signature

2/28/2023

Date



## Operational Statement

County of Fresno AADS Landfill Gas to Energy Project (“AALFGTE”)

**Applicant:** Toro of California AA, LLC

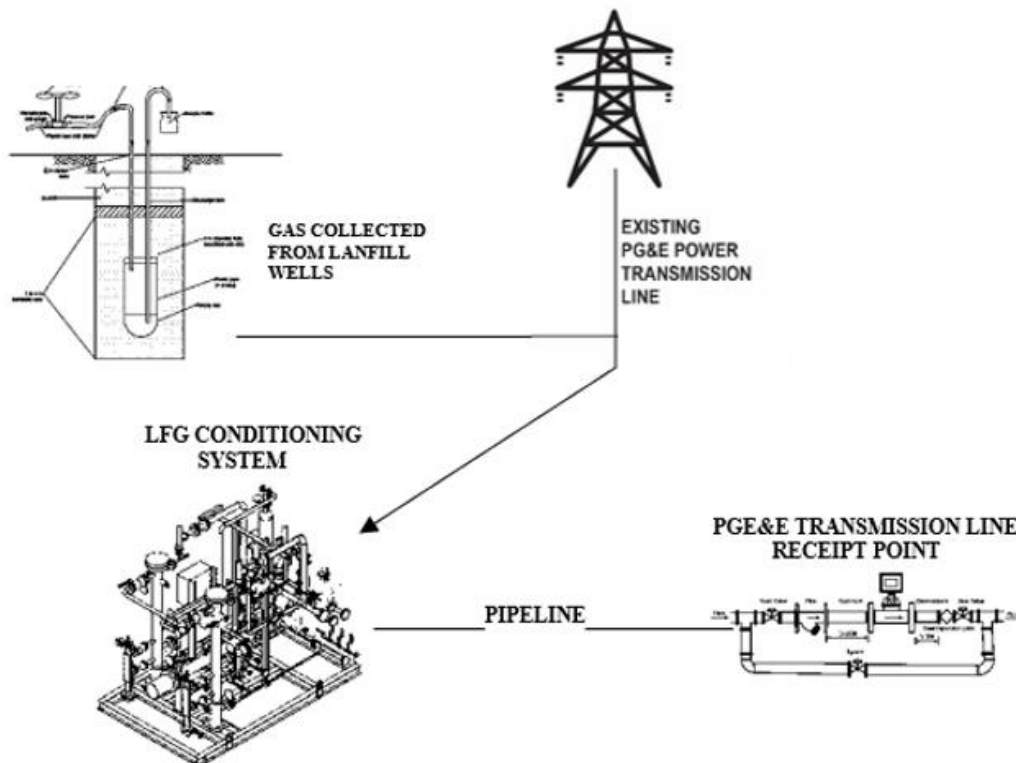
**Owner:** County of Fresno

**Assessor’s Parcel No:** 020-210-35ST

**Area:** Located within the AADS Property, approximately 21,000 square feet area to construct the Landfill Gas Conditioning System (“LFGCS”) and an 8-mile pipeline route along County Road easement to the PG&E interconnection Receipt Point Facility on a 10,000 square foot area.

**Address:** 18950 W. American Avenue, Kerman, CA

**Proposal:** Allow for the construction and operation of a landfill gas conditioning system (“LFGCS”) and a LFG pipeline to a receipt point facility in AE-20 Zone District.



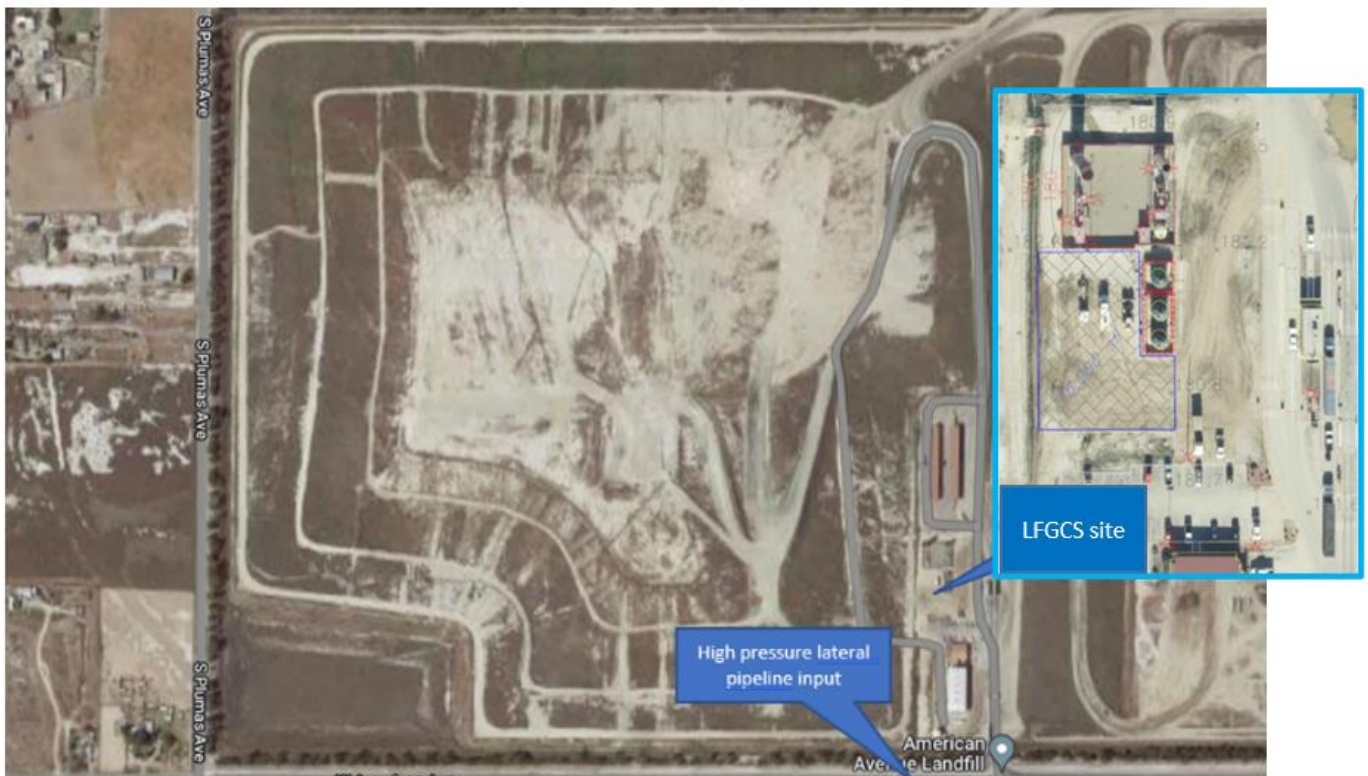
## **Project Background**

The organic decomposition of municipal solid waste in landfills results in the generation LFG consisting primarily of methane (25-50%), carbon dioxide (25-50%), nitrogen and trace amounts of VOC and siloxane gases. Currently AADS burn off the LFG via flare and the County, and the Implementation of a LFGTE Project will reduce the use of the flare system and generate a new source of revenue for the County respective enterprise fund. As such, the Board of Supervisors adopted a resolution #\_\_\_\_\_ in April 2022 to enter into a Revenue Agreement with Toro of California AA, LLC whereby the County will sell LFG to Toro with Toro having the responsibility to develop, finance and operate the LFGTE Project.

### **1. Nature of the Operation**

The LFGCS will be located on an approximately 15,000 square foot leased portion of AADS property adjacent to the LFG flare system plus additional space to run utilities to the street. LFG will be routed to the LFGCS from just prior to the flare stack. The proposed equipment will be designed to process initially approximately 2,100 standard cubic feet per minute (“SCFM”) of LFG as shown in the process flow diagram attached, and eventually a peak volume over 4,000 scfm. The existing inlet blower (owned by the County) will provide vacuum on the field and deliver gas to the LFGCS at 0 psig. The gas will be initially compressed to 5 psig using an inlet blower. The blower will be protected by an inlet separator and will be followed by an aftercooler and separator for removing water generated by compression.

### **AADS Project Site Overview**





### *H2S Treatment*

A lead-lag carbon treatment will be utilized to remove the H<sub>2</sub>S from the gas. The carbon system will be able to treat down 4 ppm. The carbon media will be replaced as required by manufacturer recommendations and will be taken off-site for disposal.

### *First Stage Compression*

The gas will then be compressed to approximately 210 psig using flooded screw compressors. Both oil and the compressed gas will be cooled by an air aftercooler.



Picture 2 – Chiller & Dryer Skid

### *NMOC PSA*

Non-methane organic compounds (NMOCs) will be removed by the two bed Pressure Swing Absorption (“PSA”). One bed will treat the gas while the second bed is regenerated by providing a vacuum on the bed. CO<sub>2</sub> from the membrane permeate will be heated and used for bed regeneration. The CO<sub>2</sub> will then be routed to a thermal oxidizer.

### *Carbon Guard Beds*

A lead-lag system will be installed after the PSA to remove any compounds that are not removed by the NMOC PSA. The beds will use activated carbon for removal of NMOCs before the membranes.

### *Membranes*

A membrane system will be installed after the guard beds to remove carbon dioxide from the biogas. The membrane will be a two-stage system. The first stage permeate will be vented to atmosphere and the retentate will be heated and continue to second stage. The second stage retentate will continue to final compressor and the second stage permeate will be recycled to the inlet of the first stage compressors.



### *NITROGEN PSA*

Nitrogen will be removed using a two bed PSA. One bed will adsorb the Methane while the other is regenerated using the vacuum pump(s). The recovered methane from the regenerated vessel will be conveyed to final compression.



### *Final Compression*

The lateral compression system will be designed to compress gas from 20 psig to approximately 650 psig. Compression will be a single flooded screw compressor. The oil and the compressed gas will be cooled by an air aftercooler.

### *Startup and Upset Flare*

The system will use either the existing County flares during startup and system upsets or install a new flare. Gas will be routed to the flares during system upsets and during system startup. Gas will also be sent to these flares when the upgrading system is not online. The flares will require a constant propane pilot, so gas can be immediately routed to the flares at any point in operation.

### *Thermal Oxidizer*

A thermal oxidizer will be installed to combust CO<sub>2</sub> and N<sub>2</sub> from both the membranes and the Nitrogen PSA. This is low BTU gas and the flare will require supplemental fuel (propane) to keep the thermal oxidizer up to temperature.

### *Final Site Metering*

The final metering system will include a gas chromatograph for measuring methane, carbon dioxide, and nitrogen levels in the gas. There will also be additional analyzers for measuring oxygen, water, and hydrogen sulfide levels. If any constituent is out of specification, the gas will automatically be diverted to the flare. Product gas will be delivered to the project lateral pipeline.

### *Lateral Pipeline*

The product gas will be injected into a new pipeline that runs from across American Ave at the Project site east approximately 4 miles to the intersection of American Ave and Madera Ave where it will then travel south along Madera Avenue approximately 4 miles to a PG&E Receipt Point located at the intersection of Manning and Madera Ave. The new pipeline will utilize the County Road utility right of way under a private pipeline Franchise Agreement.

### *Booster Compression*

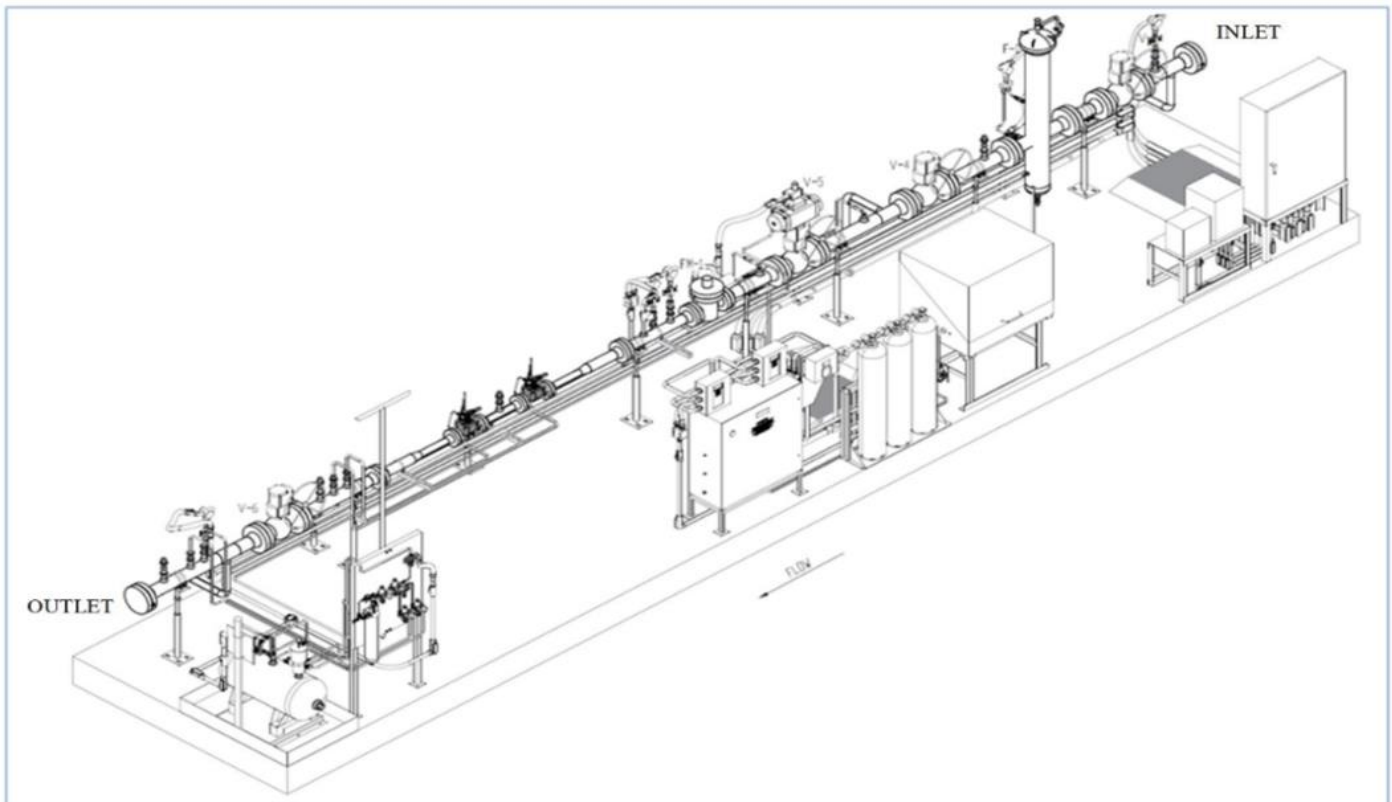
Due to the lateral pipeline MAOP (650 psig) being less than the PG&E transmission pipeline MAOP (700 psig) a booster compressor will be required at the interconnect Receipt Point. Compression will be a single flooded screw compressor. The oil and the compressed gas will be cooled by an air aftercooler.

### *PG&E Receipt Point Facilities*

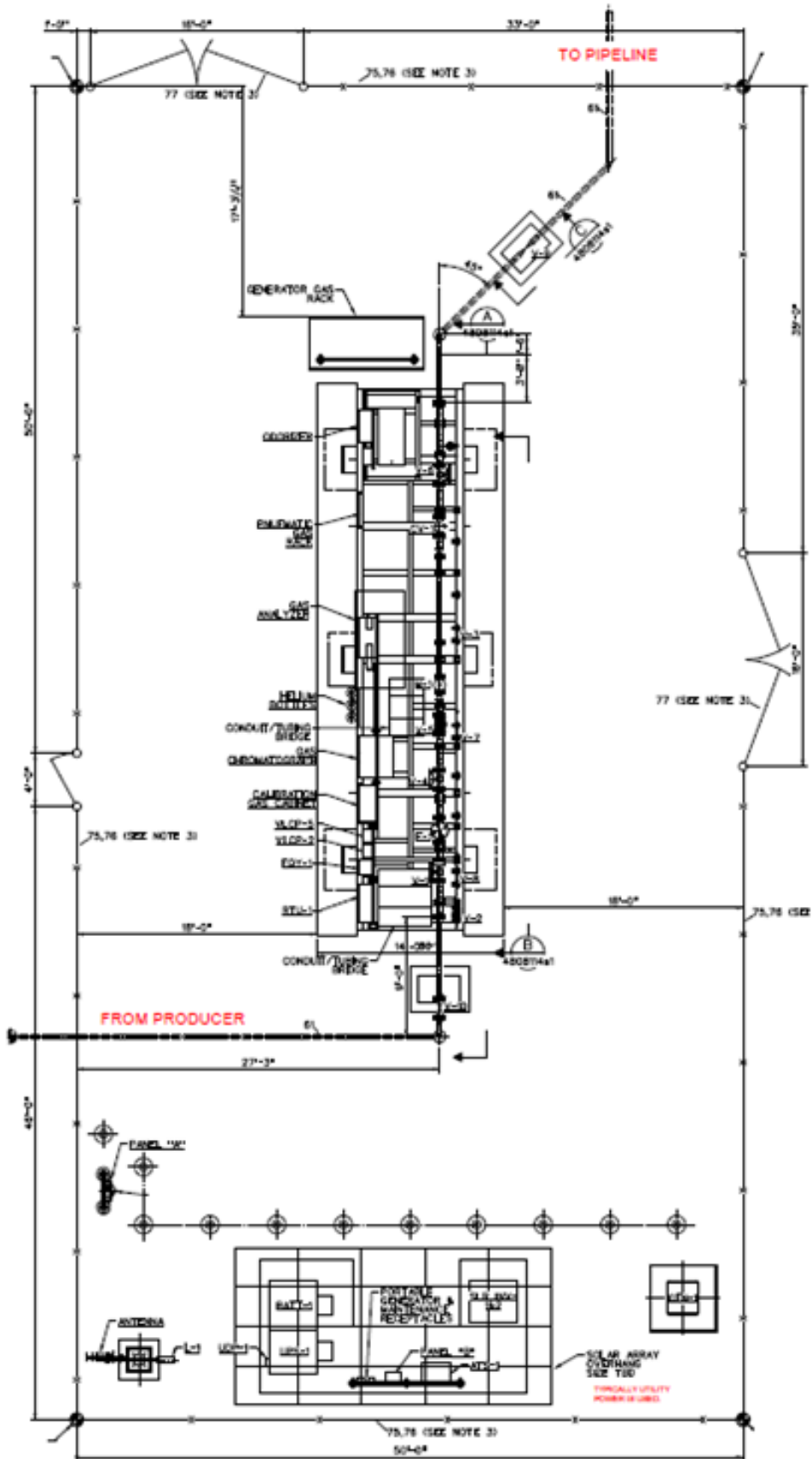
At the PG&E Receipt Point, located at the north west corner of Manning and Madera Ave, a PG&E will construct own and operate a new facility to meter, quality measure and odorize the transition of the



Product Gas to the PG&E transmission pipeline. The facility will be constructed on up to 10,000 sqft of property mostly on Private Land. The Receipt Point Facility will also be designed and constructed to allow for direct injection of compressed Product Gas via tube trailer delivered by truck. The delivery of compressed Product Gas will be will meet all California Highway Patrol, Department of Transportation and the California Environmental Protection Agency regulations for the handling and transportation of the product gas. Power will be delivered to the receipt point facilities through the PG&E power lines that run along Manning or Madera Ave.



# PG&E Receipt Point Facility Site Plan



# Project Pipeline Map



## **2. Operational time limits**

The Project will operate 24/7 365 days per year except for planned and unplanned maintenance and repair.

## **3. Number of customer/visitors**

There are no regularly planned visitors or customers.

## **4. Employees**

There will be two full time employee/technicians that will operate the LFGCS.

## **5. Service / Delivery Vehicles**

There will be various maintenance and repair vehicle visits, one to two deliveries per quarter.

## **6. Access to the Site**

Employees and maintenance/repair vehicles will enter the site utilizing the main AADS entrance on American Avenue and park at the existing AADS employee parking lot that's adjacent to the AADS office and LFGCS.

## **7. Number of Parking Spaces**

Employees and visitors will utilize the existing paved ADDS parking lot adjacent to the LFGCS expected to be no more than 2 spaces at a time

## **8. No Goods are sold onsite**

## **9. Equipment Used**

See nature of operations above

## **10. Supplies and Materials Used**

Media and filters in CO<sub>2</sub>/membrane/PSA and H<sub>2</sub>S processing equipment is periodically replaced, compressor oil (stored in 55-gallon barrel with secondary spill containment).

## **11. Appearance**

Industrial gas processing equipment and instruments interconnected with piping/electrical on racks around the site, including two flare stacks.

## **12. Solid and Liquid wastes produced**

Periodically used compressor oil disposed of offsite, LFG condensate treated if required to meet offsite disposal requirements, and used media containing sulfur and carbon disposed of at the landfill.

## **13. Water Usage**

No Landfill Gas Processing water usage, only for domestic use on site.

## **14. Signage**

Small limited signage on office building.

## **15. New Buildings to be constructed.**

Fabricated metal building divided consisting of a Control room, MMC room and office space.

## **16. Building Usage**

Control room and office

## **17. Outdoor lighting and sound amplification**

Pole lighting compatible with existing area.

## **18. Fencing**

Security fencing around site compatible with existing site fencing.

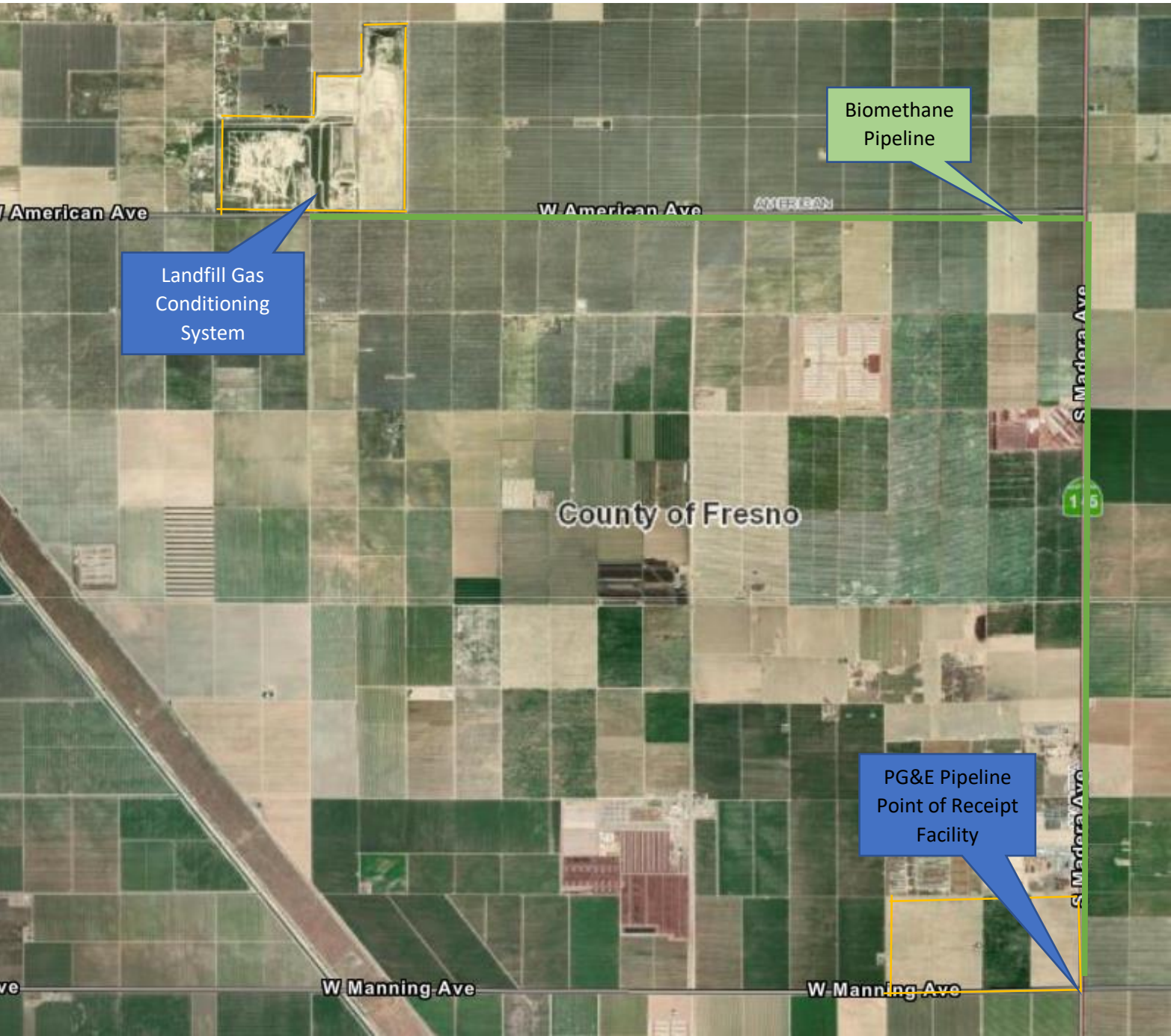
## **19. Other info**

## **20 Owner information**

Developer Toro of CA AA LLC, the applicant, is owned by West Coast RNG LLC in which both Toro and Colony Energy Partners LLC own an interest.



Toro American Avenue Landfill Gas PG&E Pipeline Point of Receipt location



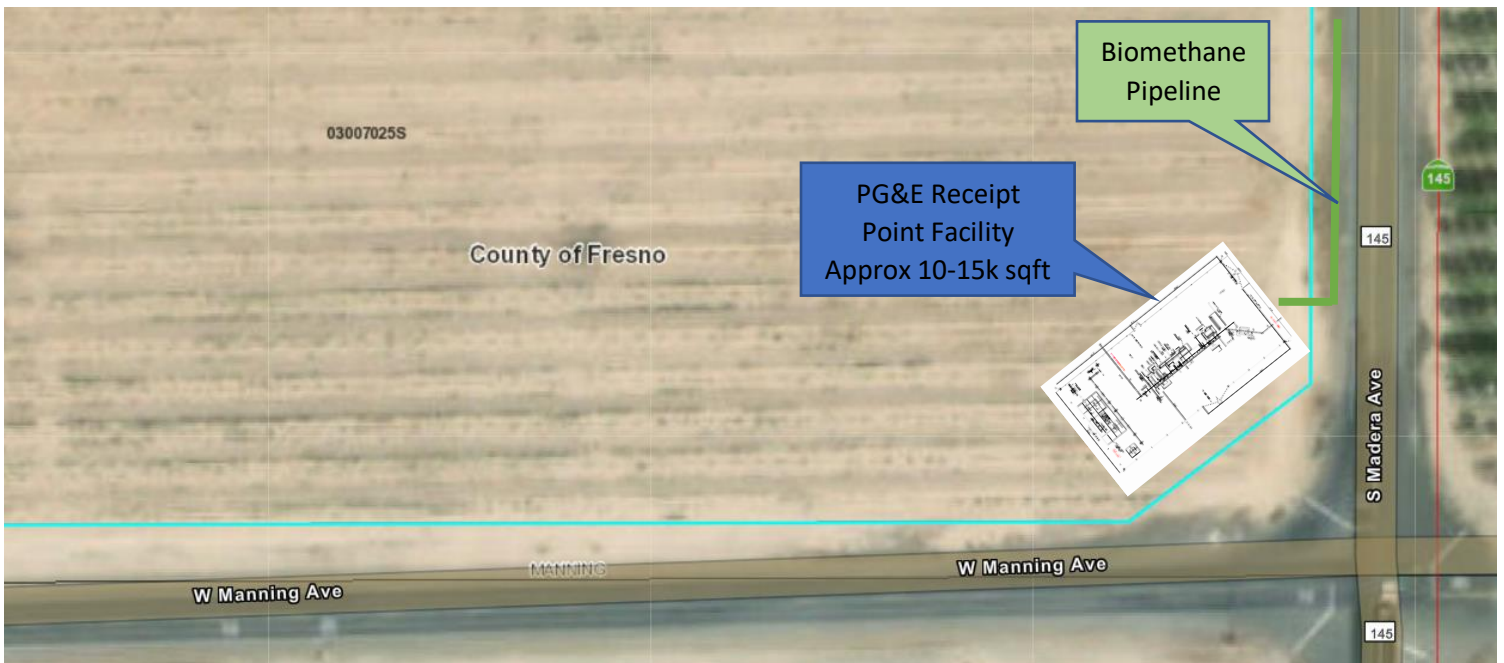
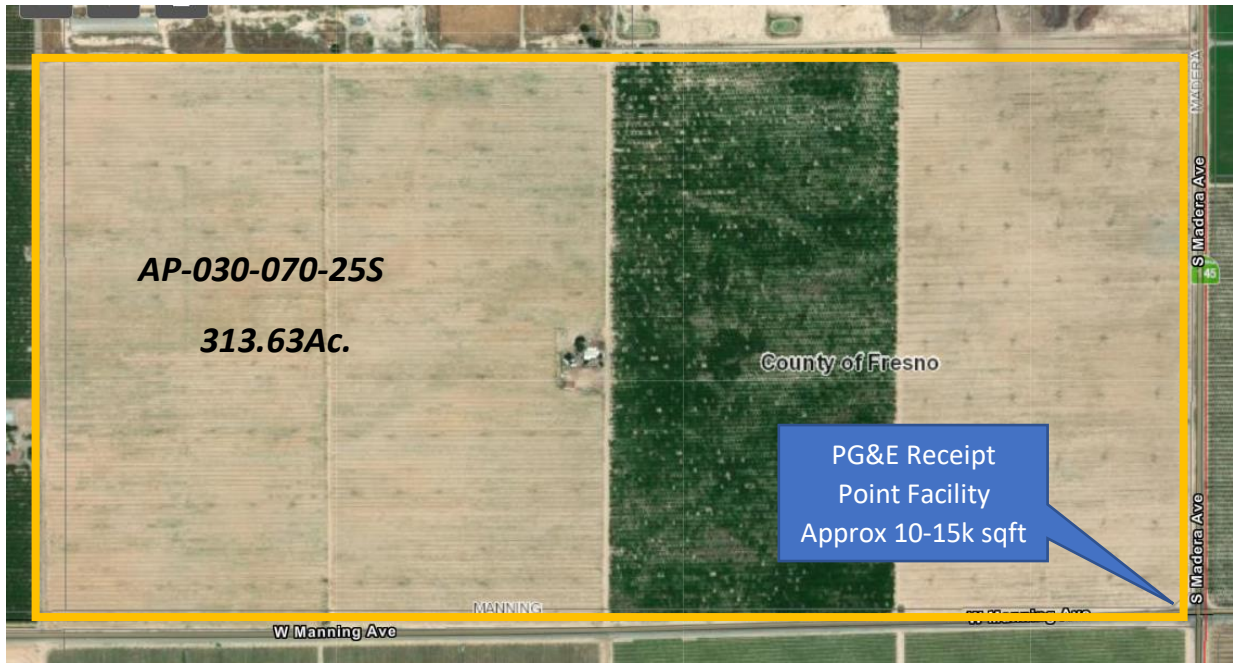


AP # 030-070-25S

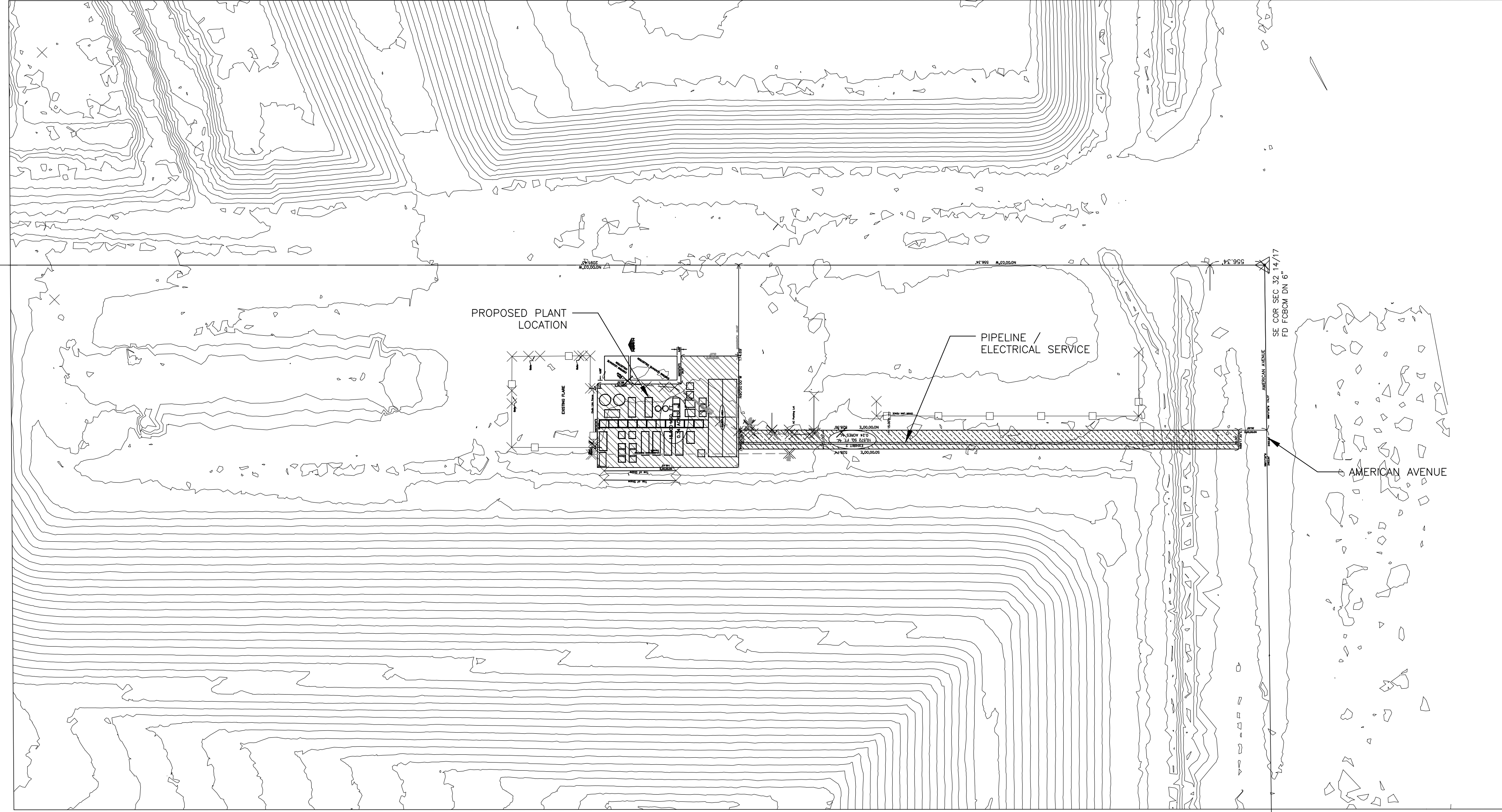
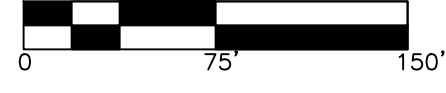
Owner: UPPAL AMRIK & JASWINDER SALHOTRA PREM P

Mailing Address: 5918 N Caspian Ave Fresno CA 93723

Parcel Address: 15502 W Manning Kerman CA 9360



NORTH



**JADE**  
BIOGAS ENGINEERING

JADE BIOGAS ENGINEERING  
10600 NATIONS FORD RD. SUITE 150  
CHARLOTTE, NC 28273

REV.	DATE	DESCRIPTION

STATUS: **DRAFT**

CLIENT: COLONY ENERGY PARTNERS - TULARE, LLC  
4940 CAMPUS DRIVE SUITE C  
NEWPORT BEACH, CA 92660

PROJECT LOCATION: AMAERICAN AVENUE LANDFILL  
18950 WEST AMERICAN AVENUE  
KERMAN, CA 93630

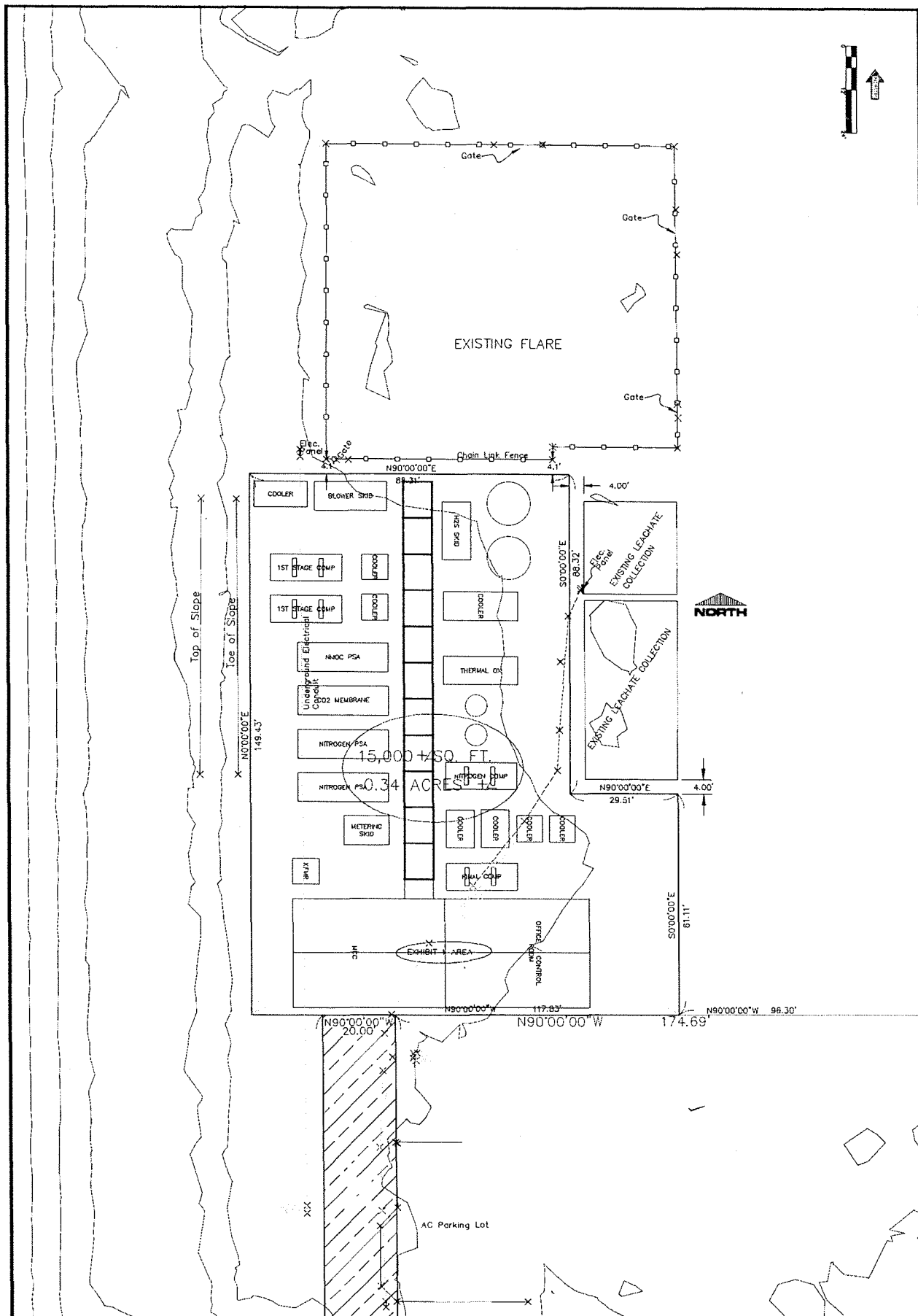
DESCRIPTION: PLANT LAYOUT

PLOT DATE: 9/23/2023 10:15 AM

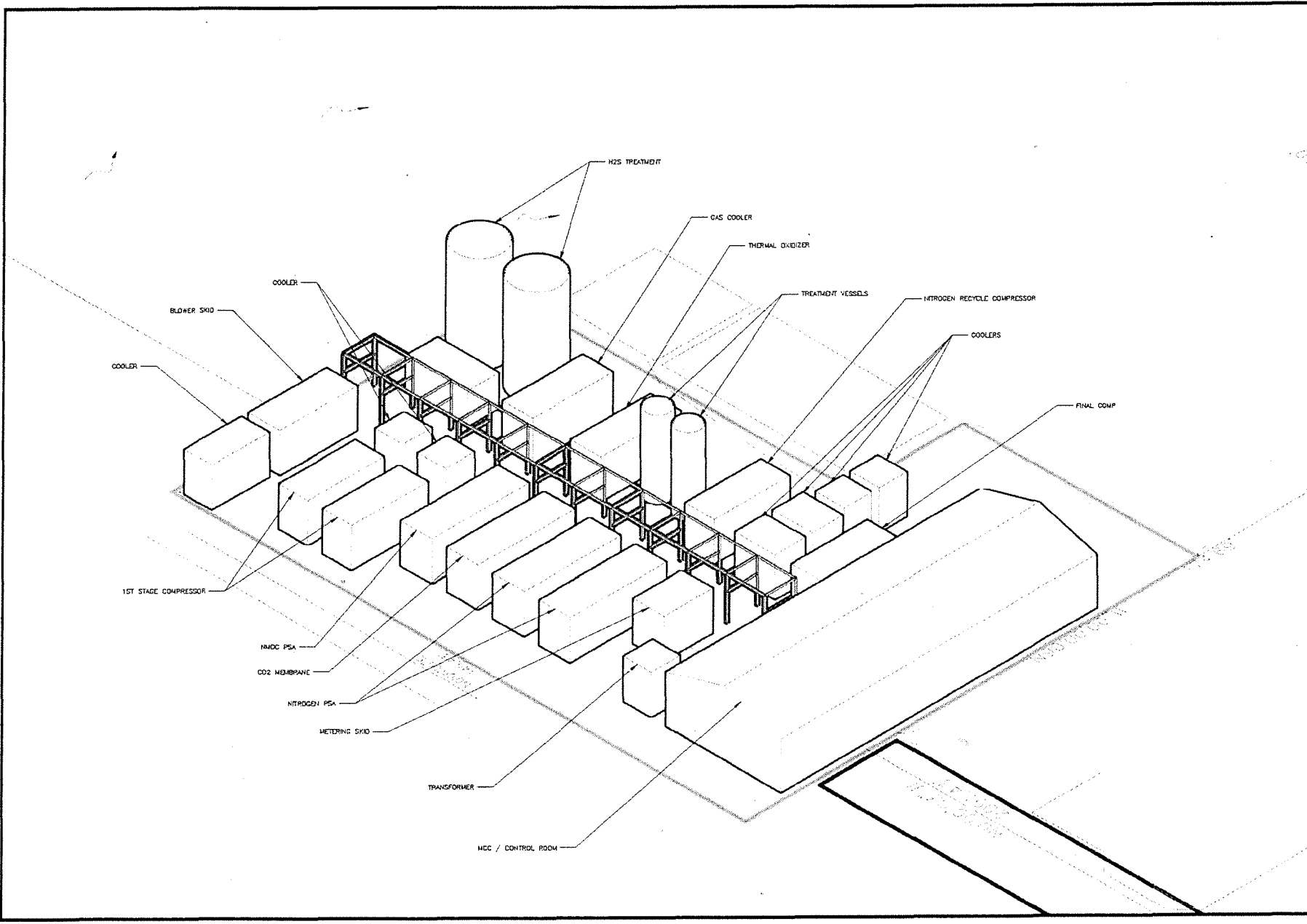
PROJECT NO.

SHEET: **C-3**





C-1	<b>COLONY ENERGY PARTNERS - TULARE, LLC</b> 1840 CALIFORNIA AVENUE, SUITE 100 NEWPORT BEACH, CA 92660	<table border="1"> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>									
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<p style="text-align: center;">JADE BIOGAS ENGINEERING 3000 PATENTING ROAD, SUITE 110 CHARLOTTE, NC 28211</p>															
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<p style="text-align: center;">COLONY ENERGY PARTNERS - TULARE, LLC 1000 COLONY DRIVE, SUITE C TULARE, CALIFORNIA 95326</p>															
<p style="text-align: center;"><b>AMERICAN AVENUE LANDFILL</b> 1530 WEST AMERICAN AVENUE TULARE, CALIFORNIA</p>															
<p><b>PLANT LAYOUT</b></p>															
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