

ANAEROBIC DIGESTER FACILITY

CITY OF DESERT HOT SPRINGS, CA

SCOPE OF WORK

NEW ANAEROBIC DIGESTER FACILITY TO PROCESS ORGANIC WASTE AND TURN INTO BIOMETHANE GAS

PARKING CALCULATIONS

NAME & USE OF SPACE	OCC. GROUP	AREA (S.F.)	OCC. FACTOR	REQUIRED
OFFICE BUILDING	B	3000	500	6
ANAEROBIC DIGESTER BUILDING	F	22900	1,000	23
TOTAL REQUIRED				29
TOTAL PROVIDED				30

DEFERRED SUBMITTALS

FIRE SPRINKLER SYSTEM AND FIRE ALARM ARE A DEFERRED SUBMITTAL UNDER SEPARATE PERMIT.

SCOPE OF WORK

- CONSTRUCTION OF AN ANAEROBIC DIGESTER (AD) BUILDING.
- CONSTRUCTION OF AN OFFICE BUILDING.

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING CODES INCLUDING LOCAL AMENDMENTS.

- 2016 CALIFORNIA BUILDING CODE
- 2016 CALIFORNIA RESIDENTIAL CODE
- 2016 CALIFORNIA FIRE CODE
- 2016 CALIFORNIA PLUMBING CODE
- 2016 CALIFORNIA MECHANICAL CODE
- 2016 CALIFORNIA ELECTRICAL CODE
- 2016 CALIFORNIA GREEN BUILDING CODE
- 2016 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS

SHEET INDEX

- A1.0 TITLE PAGE / SITE PLAN
- A2.0 OFFICE BUILDING FLOOR PLAN
- A3.0 ANAEROBIC DIGESTER (AD) FACILITY FLOOR PLAN
- A4.0 OFFICE BUILDING ELEVATIONS
- A5.0 AD FACILITY BUILDING ELEVATIONS
- A5.1 AD FACILITY BUILDING ELEVATIONS

PROJECT INFORMATION

APN : 666-360-015
 LOT COVERAGE : 420,750 SF
BUILDING - 1 : (ANAEROBIC DIGESTER) 22,900 S.F.
 OCCUPANCY GROUP : FACTORY INDUSTRIAL, F-1
 TYPE OF CONSTRUCTION : IIIB
 FIRE SPRINKLERS : YES
BUILDING - 2 : (OFFICE) 3,000 S.F.
 OCCUPANCY GROUP : OFFICE, B
 TYPE OF CONSTRUCTION : IIIB
 FIRE SPRINKLERS : YES
TOTAL BUILDING FOOTPRINT = 25,900 SF
LOT COVERAGE = 16%

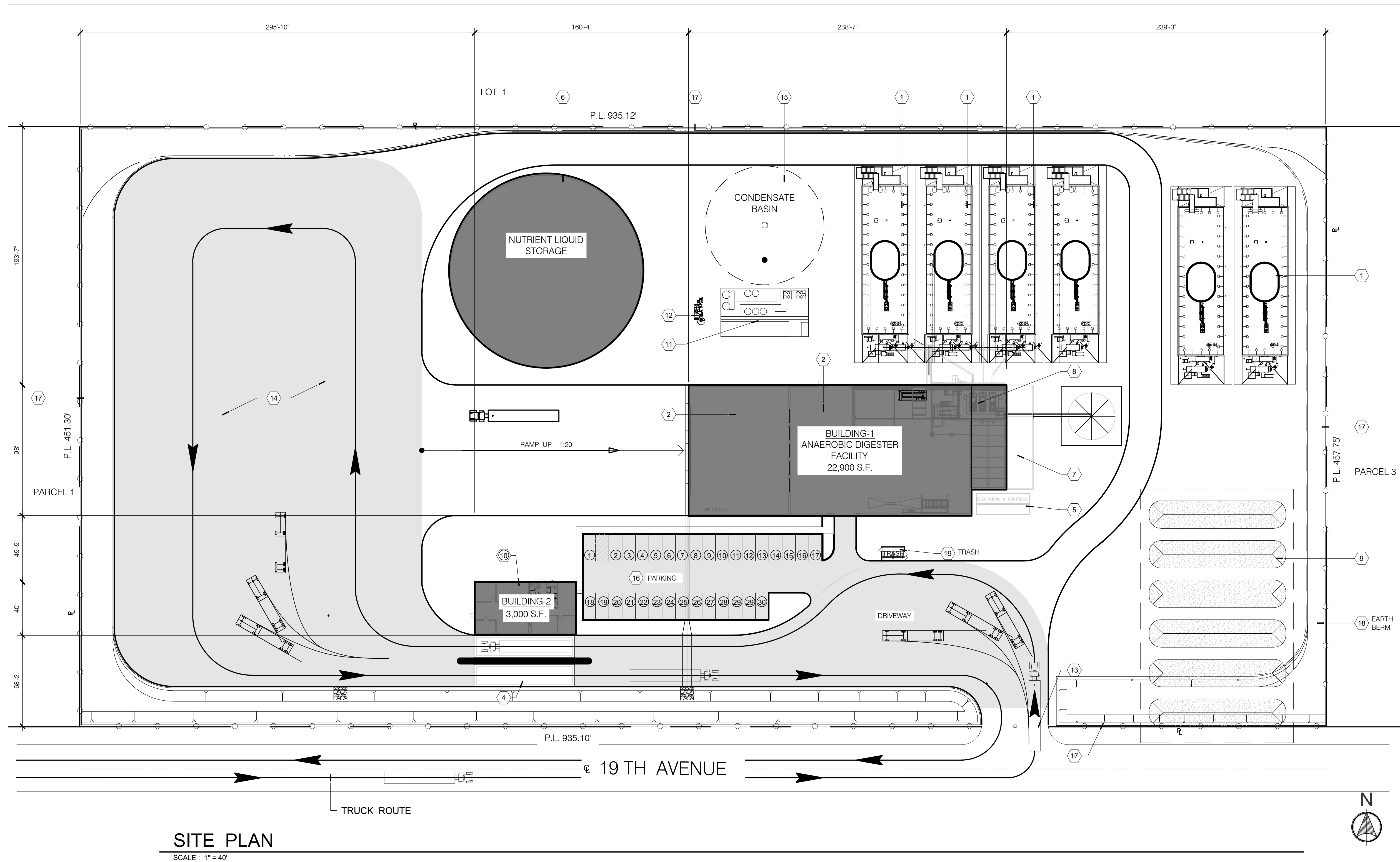
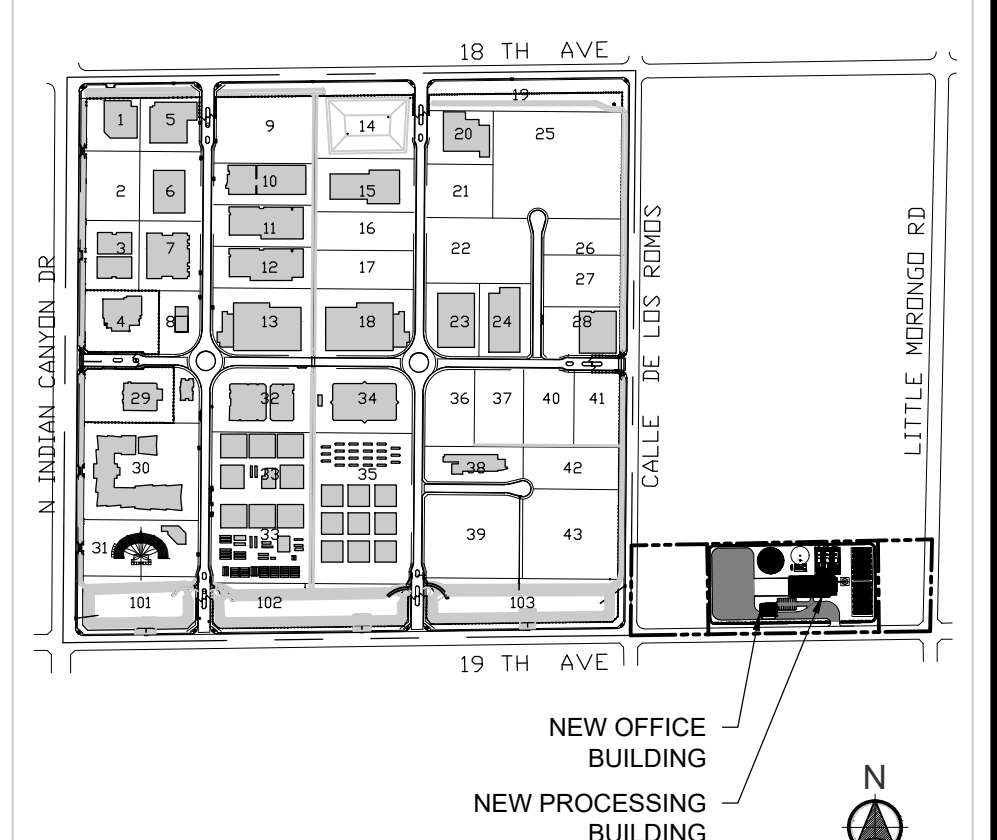
OCCUPANCY CALCULATIONS 2016 CBC TABLE 1004.1.2

	SQ.FT.	OCC. FACTOR	OCC. LOAD
ANAEROBIC DIGESTER (INDUSTRIAL)	2,300	100	27
OFFICE (GROUP B) :	3,000	100	30

KEYNOTES

- 1 550,000 GAL. HIGH SOLIDS TTV DIGESTER
- 2 FEEDSTOCK RECEIVING
- 3 FEEDSTOCK PROCESSING
- 4 TRUCK SCALE
- 5 HEATING, ELECTRICAL & CONTROLS
- 6 NUTRIENT LIQUID STORAGE
- 7 BIO FILTER
- 8 DEWATERING
- 9 DIGESTATE STAGING & BLENDING
- 10 OFFICE (3,000 S.F.)
- 11 BIOGAS UPGRADER
- 12 THERMAL OXIDIZER
- 13 GATED SITE ENTRANCE / EXIT
- 14 TRUCK TURNAROUND
- 15 SAFETY FLARE & CONDENSATE WELL
- 16 STAFF & VISITOR PARKING AREA
- 17 6" PRECISION FACE BLOCK WALL
- 18 PERIMETER EARTH BERM
- 19 TRASH ENCLOSURE

KEY MAP



SITE PLAN
SCALE: 1" = 40'

No. Revision/Issue
 valley design
 230 W AVENIDA VALENCIA, SAN CLEMENTE CA, 92672
 (949) 576-5889

SHEET TITLE
TITLE PAGE / SITE PLAN

CLIENT
AD FACILITY
INDIAN AVENUE
DESERT HOT SPRINGS, CA

SCALE:
AS NOTED

DATE:
01-02-20

DRAWN BY:
TEAM

PROJECT NO:
1942

SHEET NO:
A1.0 OF X