

County of Santa Clara

Department of Planning and Development
Planning Office

County Government Center, East Wing, 7th Floor
70 West Hedding Street
San Jose, California 95110-1705
(408) 299-5770 FAX (408) 288-9198
www.sccplanning.org



STAFF REPORT

Item #3

File: 9989-16-65-14A

Architecture and Site Approval for the replacement of emissions control equipment (one 295 foot kiln vent stack and one 116 foot cooling stack) to comply with air emissions requirements of the Bay Area Air Quality Management District (BAAQMD) at the Lehigh Southwest Cement plant.

Staff Recommendation: Approval

Owner / Applicant: Lehigh Southwest Cement Company
Address: 24001 Stevens Creek Boulevard, Cupertino
Project Location: Westerly terminus of Stevens Creek Boulevard, Cupertino
Assessor Parcel No: 351-10-005
General Plan Designation: Cupertino
Current Zoning: A-d1 (Exclusive Agriculture – design review combining district)
Property Size: 76.57 acres
Present Land Use: Cement plant
Supervisorial District: Five
Staff report prepared: March 28, 2014
Prepared by: Marina Rush/Audrey Knight *MR*
Reviewed by: Rob Eastwood, Principal Planner
Approved by: Nash Gonzalez, Director, Department of Planning and Development

PROJECT DESCRIPTION

Proposed project involves the replacement of emissions control equipment (stacks) at the Lehigh Southwest Cement Plant to comply with air emissions requirements of the Bay Area Air Quality Management District (BAAQMD). The Project is required to comply with the BAAQMD's "Hot Spots" Program as directed by a September 2013 compliance agreement between the Applicant and BAAQMD.

Architecture and Site Approval review and approval for the replacement of stacks is required pursuant to Zoning Ordinance Section 4.10.110(B)(5). Emissions from the plant's rotary kiln are currently vented by a series of 34 stacks located on the cement plant rooftop, 43 feet tall. Project proposes to replace this system with a single stack 295 feet tall, 15 feet diameter, and steel construction. The project also proposes a similar replacement of the stacks for the clinker cooler system (clinker is lumps or nodules in the manufacturing of Portland cement during the kiln stage). Presently emissions from the clinker cooler system are routed through ten stacks, 45 feet tall. Project proposes to replace the current emissions structural system with a single stack 116 feet tall, 7 feet diameter, and steel construction. The equipment replacement will not result in any change to the plant's output or production capacity, or to the adjacent surface mining operation. The air emissions requirements established by BAAQMD require the stacks to be of the height and size proposed.

The existing stacks will be cut and removed, and the base ventilation systems incorporated into new overhead manifolds connecting to the new stacks (Exhibit C and D). No new impervious surfaces will be created. Existing concrete surface will be removed to construct the new foundations, totaling 822 square feet.

RECOMMENDED ACTIONS

I. Actions Concerning Environmental Determinations and Findings

Accept determination that project is exempt from environmental review per the California Environmental Quality Act (CEQA) as it qualifies for a Class 1 and Class 2 Categorical Exemption. Notice of Exemption is attached as Exhibit B.

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II. Actions Concerning the Project Proposal

Approve the Architecture and Site Approval for replacement of emissions control equipment (stacks) to comply with air emissions requirements of the Bay Area Air Quality Management District (BAAQMD) subject to the conditions outlined in Exhibit A.

REASONS FOR RECOMMENDATION

Reasons for Recommended Actions Concerning Environmental Determination

This project has been reviewed in accordance with the California Environmental Quality Act (CEQA) and Staff has determined that Class 1 (CEQA Guidelines 15301 – “Existing Facilities”) and Class 2 (CEQA Guidelines 15302 – “Replacement or Reconstruction”) exemptions are applicable to the project. The Class 1 exemption applies because the addition of the two new stacks entails a minor alteration to an existing facility to comply with BAAQMD emissions requirements and will not increase production capacity (Guidelines 15301(f.)) Also, the project is exempt pursuant to the Class 2 exemption (“replacement”) as the new stacks replace portions of existing stack equipment currently used to vent emissions from the plant (Guidelines 15302). The project will enable the Applicant to continue its operation of the Plant with no change in production capacity or use.

The project does not present any unusual circumstances that could result in significant environmental effects (CEQA Guidelines 15300.2). The project proposes installation of ventilation equipment that is typical of similar operations across the nation. Emissions are produced in the cement manufacturing process and elevating the venting of emission with tall stacks more widely disseminates emissions. The visual simulations demonstrate that the new stacks would not result in a significant visual impact due to placement of the stacks contiguous to the cement plant the stacks will blend in with existing views of the cement plant. The proposed stacks are located within a heavy industrial setting and will be compatible with the surrounding cement plant structures, which include a pre-heater tower and other industrial features of similar height and visual profile as the proposed stacks.

II. Reasons for Recommended Actions Concerning Proposal

The ASA Committee may grant an Architecture and Site Approval if it is able to make all of the following findings listed in Section §5.40.040 of the County Zoning Ordinance. Listed below are the individual findings required for an ASA approval joined with a discussion relating to how the proposed project conforms to the respective finding. As the proposed stacks are required to be installed in order to comply with a compliance agreement with BAAQMD to meet air quality emission standards, the focus of review under the ASA application is limited in scope, and not intended to conflict with the mandate under the compliance agreement that the stacks be installed to meet air quality emission standards.

1. ASA Findings

- A. Adequate traffic safety, on site circulation, parking and loading areas, and insignificant effect of the development on traffic movement in the area.

The project is not a new or expanded use, or an enlargement of the existing operation. The impacts to existing traffic, internal circulation, parking and loading areas will be related to construction activities. There will be no changes to traffic, parking, or loading related to the project once operational. No new parking, loading or other areas are being constructed or are required.

- B. Appearance of proposed site development and structures, including signs, will not be detrimental to the character of the surrounding neighborhood or zoning district;

As the existing plant has been in operation since its 1939 use permit approval, construction of the new stacks is compatible with the existing plant and the proposed stacks are lower in height than other buildings associated with the plant. As shown in the visual simulations, the new stacks will not be detrimental to the character of the surrounding neighborhood or zoning district (see Exhibit E).

- C. Appearance and continued maintenance of proposed landscaping will not be detrimental to the character of the surrounding neighborhood or zoning district;

No landscaping will be disturbed and none will be required. All construction would be occurring on existing impervious surfaces within and adjacent to the existing cement plant.

D. No significant, unmitigated adverse public health, safety and environmental effects of proposed development;

The project is exempt under Class 1 and Class 2 of the CEQA Guidelines. Furthermore, no significant environmental impacts were identified in the initial study. The project is specifically proposed to meet new BAAQMD standards from improved dispersion of emissions, which will ultimately improve air quality.

E. No adverse effect of the development on flood control, storm drainage, and surface water drainage;

No new impervious surfaces will be created and facilities will not be placed within any drainage features.

F. Adequate existing and proposed fire protection improvements to serve the development;

Fire protection water supply as well as fire emergency access is already available on the site and no expansion of these facilities is required.

G. No significant increase in noise levels;

The subject operation is required to adhere to the County Noise Ordinance. There will be no significant increase in the noise level of the existing plant as a result of this new exhaust configuration because no change in cement plant capacity, output or operation will occur.

H. Conformance with zoning standards. Standards applicable to non-residential uses may be varied by the ASA committee to promote excellence of development, provided that the deviation from standards will better accomplish the purposes of this chapter.

The cement plant is a conforming use within the A-d1 zoning district, with modifications to accommodate air pollution control equipment subject to securing Architecture and Site Approval. The proposed stacks will replace existing emissions equipment with taller stacks to improve atmospheric dispersion of emissions, to comply with BAAQMD's "Hot Spots program" and a September 2013 compliance agreement between Lehigh and BAAQMD. The project will replace the existing 34 stacks with a freestanding single stack 295 feet in height and 15 feet in diameter, and install a second smaller stack to exhaust gases related to the clinker cooler system of 116 feet in height and 7 feet in diameter replacing ten stacks. The project area is

located in the Cupertino Urban Services Area. Zoning Ordinance General Plan conformance evaluation under is not required because the project entails Architecture and Site Approval.

I. Conformance with the general plan and any applicable specific plan; and

The proposed new stacks will not change the existing land use, and conforms to the General Plan. Policy C-HS 3 promotes efforts to improve air quality and maximize the effectiveness of implementation efforts, and includes coordination and working with BAAQMD for projects of regional significance. Policy C-HS 12 requires measures to reduce particulate matter pollution originating from construction and industrial processes be put in place. As such, the project will comply with the BAAQMD "Hot Spots" Program as directed by a September 2013 compliance agreement between the Applicant and BAAQMD.

The project would provide for the continued operation of the cement plant consistent with Policy C-EC 3 that would support an existing industrial use in the County. The proposed stack improvements would also provide for improved air quality conditions associated with cement plant operational emissions consist with policies C-HS 1, 2 3 and 12.

J. Substantial conformance with the adopted "Guidelines for Architecture and Site Approval" and other applicable guidelines adopted by the County, or by the appropriate city for land within the city's urban service area.

The proposed project is in conformance with Guidelines for Architecture and Site Approval per Exhibit A, proposed ASA Conditions.

BACKGROUND AND HISTORY

County Zoning Ordinance Section 4.20.110(B)(5) requires "[a]ir pollution control equipment required and approved by the Bay Area Air Quality Management District, or other governmental regulatory agency" to be subject to review and approval by the Architecture and Site Approval (ASA) Committee. Lehigh submitted an application for ASA in January 2014.

The Federal Aviation Administration (FAA) made a Determination of No Hazard to Air Navigation under the provisions of 49 U.S.C., Section 44718 and Title 14 of the Code of

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Federal Regulations, part 77 (Exhibit . The FAA conditioned this Determination for the stack 295 feet tall to be marked/lighted in accordance with their regulations (FAA Advisory circular 70/7460-1K Change 2, Obstruction Marking and Lighting, red lights – Chapter 4, 5 (red) and 12).

The subject property is approximately 76.57 acres in size, located at 24001 Stevens Creek Boulevard adjacent to the Lehigh Permanente Quarry (see Exhibit C). Access to the site is through a common driveway and main gate. The cement plant was, and continues to be, operated under a Use Permit issued on May 8, 1939 by the County that authorizes the “erection, construction and operation of a cement mill and the storage of cement...” The cement plant use permit was issued in 1939, consistent with 1937 zoning ordinance under which commercial and manufacturing uses were allowed. The permit has no termination date. In 1977, the original cement plant was replaced with the current plant to utilize a single dry kiln for improved energy efficiency and reduced emissions.

Items Included with this Staff Report

- Exhibit A: Preliminary ASA Conditions of Approval
- Exhibit B: Notice of Exemption
- Exhibit C: Project Site Plan and Elevations
- Exhibit D: Project Scope Presentation, Lehigh Southwest Cement
- Exhibit E: Visual Simulations, February 2014
- Exhibit F: FAA Determination of No Hazard to Air Navigation, March 21, 2014

EXHIBIT A

Preliminary Architecture & Site Approval and Grading Conditions of Approval

File Number: 9989-16-65-14A

Owner /Applicant: Permanente Quarry / Lehigh Southwest Cement Co

Meeting Date: April 3, 2014

Project Description: Architecture and Site Approval for replacement of emissions control equipment (stacks) to comply with air emissions requirements of the Bay Area Air Quality Management District (BAAQMD). Proposed kiln ventilation stack (#1 stack) will be 295 feet height, 15 feet diameter and will replace 34 existing kiln ventilation stacks. Proposed cooling ventilation stack (#2 stack) will be 116 feet height, 7 feet diameter and will replace 10 existing ventilation stacks.

APPLICATION APPROVED SUBJECT TO CONDITIONS STATED BELOW IN ACCORDANCE WITH PLANS AS SUBMITTED.

Items marked with an asterisk (*) must be completed prior to issuance of building permits.

Items marked with a double asterisk (**) must be completed prior to final inspection.

PLANNING OFFICE

Marina Rush, Planner III, please contact at (408)299-5784 and marina.rush@pln.sccgov.org for details regarding the following conditions:

General

1. Construction of the two proposed vent stacks shall take place in accordance with approved plans for the Architecture and Site Approval, dated April 3, 2014, and the conditions of approval outlined herein.

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The project consists of the construction of two new vent stacks, on approximately 822 sq.ft of existing impervious surface, within and adjacent to the existing concrete plant. The stacks will replace existing stacks and are required by the BAAQMD.

- 2.* Obtain building permits in accordance with the approved plans and BAAQMD approvals.
- 3.* Prior to building permit issuance, Lehigh shall prepare building plans that conform with the requirements of the FAA Determination of No Hazard to Air Navigation, dated March 21, 2014 for the installation of safety lighting. Paint color, texture and light reflectivity shall be noted on the approved building plans, and shall not exceed LRV of 45.
4. The following BAAQMD dust control measures will be adhered to during construction for all improvements. Final improvement plans shall contain language requiring that the following control measures be implemented.
 - a. Water all active construction areas at least twice daily.
 - b. Cover all trucks hauling soil, sand, and other loose materials *or* require all trucks to maintain at least two feet of freeboard.
 - c. Pave, apply water three times daily, or apply (non-toxic) soil stabilizers on all unpaved access roads, parking areas and staging areas at construction sites.
 - d. Sweep daily (with water sweepers) all paved access roads, parking areas and staging areas at construction sites.
 - e. Sweep streets daily (with water sweepers) if visible soil material is carried onto adjacent public streets.

LAND DEVELOPMENT ENGINEERING (LDE)

Ryan Fong, please contact at (408)299-5716 and ryan.fong@pln.sccgov.org for details regarding the following conditions:

Plan Review and Format Process:

5. No project clearance ("goldenrod") from the Land Development Engineering Department is required.

Drainage:

6. The project shall provide for the uninterrupted flow of water in swales and natural courses on the property or any access road. No fill or crossing of any swales or watercourses is allowed unless shown on the approved plans. Plans shall demonstrate the adequacy of drainage facilities.

7. Property owner is responsible for the adequacy of any drainage facilities for the project and for the continued maintenance thereof in a manner that will preclude any hazard to life, health or damage to adjoining property as related to the project.

Storm Water Treatment - Construction BMPs

8. Include in the Final Improvement Plans an erosion and sediment control plan showing seasonally- and phase- appropriate and effective BMPs for erosion control, run-on and run-off control, sediment control, and active treatment (as necessary) during the construction period, in accordance with Sections C12-568 through C12-571 of the Grading Ordinance and Municipal Regional Permit (north county) NPDES Phase II and SMSSSS General Permit (south county) . Include the County's Standard Best Management Practice Plan Sheets BMP-1 and BMP-2 with the Plan Set.

Other as Applicable

9. Apply to the Planning Office for grading approval prior to any earthwork that is in excess of the limits as outlined in the County Grading Ordinance, starting at § C12-400. Penalties and rigid abatement procedures are required by ordinance for correction of any grading violation. Once the Planning Office authorizes the grading approval, obtain a Grading Permit from the Land Development Engineering.

10. A drainage permit is required for any revisions to the building plans that would alter the existing drainage pattern. Submit drainage plans to Land Development Engineering and obtain a drainage permit for any revisions to the preliminary building plans that alter the existing drainage pattern. Impervious areas include rooftops, driveways, concrete pads, and any other improvements that prevent storm water from infiltrating into the ground below. Additional information regarding drainage permit requirements is outlined in the County Grading Ordinance, starting at § C12-408.

GEOLOGY

Jim Baker, County Geologist, please contact at (408)299-5774 and jim.baker@pln.sccgov.org for details regarding the following conditions:

- 11.* Prior to building permit issuance, submit a plan review letter by the Project Geotechnical Engineer confirms the final plans conform with the intent of the recommendations of the geotechnical report (Geotechnical Engineering Services Report, PSI, January 6, 2012), including those presented in the Addendum Report dated December 18, 2013.
13. Prior to Final Inspection, submit a Construction Observation Letter that confirms the foundation work was completed in accordance with the recommendations of the project geology reports.

Department of Environmental Health

Darrin Lee, please contact at (408)299-5748 and darrin.lee@pln.sccgov.org for details regarding the following conditions:

14. **Noise**
 - a. All construction activities for the project shall be in conformance with the Santa Clara County Noise Ordinance Section B11-154.
 - b. All project activities must comply with the Santa Clara County Noise Ordinance at all times.

FIRE MARSHAL OFFICE

Mac Bala, please contact at (408)299-5763 and mac.bala@pln.sccgov.org for details regarding the following condition:

15. The scope of this review is for fire protection water supply and fire department access only. An additional review for further compliance with the California Fire and Building Code will be performed by this office when a complete set of construction drawings is submitted for building permit application.

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70 West Hedding Street
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EXHIBIT B

Notice of Exemption from CEQA

To: County Clerk-Recorder
County of Santa Clara

Office of Planning & Research
PO Box 3044, Room 222
Sacramento, CA 95812-3044

Project Title	File Number
Lehigh Cement Plant Ventilation Stack Replacement	9989-16-65-14A
Project Location	APN (s)
Lehigh Southwest Cement Plant, 24001 Stevens Creek Boulevard, Cupertino, California 95014	351-10-005
Public Agency Approving Project	Person or Agency Carrying Out Project
Santa Clara County	Lehigh Southwest Cement Company
Project Description (including purpose and beneficiaries of project)	
<p>Architecture and Site Approval for the replacement of certain emissions control structures. Emissions from the plant's rotary kiln are currently vented by a series of 34 stacks located on the cement plant rooftop, 43 feet tall. Project proposes to replace this system with a single stack 295 feet tall, with a 15 foot diameter, steel construction. Also, gases related to the clinker cooler system are vented by a series of 10 stacks, 46 feet tall, and will be replaced with a single stack 116 feet tall, with a 7 foot diameter, steel construction. Proposed single stacks will improve emission dispersion and further improve overall emissions from the cement plant in order to comply with air quality standards of the Bay Area Air Quality Management District (BAAQMD).</p> <p>ASA review and approval for the replacement of stacks is required pursuant to Zoning Code Section 4.10.110(B)(5). The proposed equipment replacement would result in no change to the plant's output or production capacity, or to the adjacent surface mining operation.</p>	
Exempt Status check one/indicate type of State CEQA Guidelines section number	
<input type="checkbox"/> Statutory Exemption:	
<input checked="" type="checkbox"/> Categorical Exemption:	
Class 1 (CEQA Section 15301(f)). Addition of safety or health protection devices for use in conjunction with existing structures, facilities, or mechanical equipment.	
Class 2 (CEQA Section 15302): Replacement equipment that will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced.	

Reasons why project is Exempt:

The Class 1 (15301(f)) exemption applies because the addition of the two new stacks will not increase production capacity but will meet existing and future emissions requirements of the BAAQMD.

The Class 2 (15302) exemption applies because the project is a replacement as the new stacks replace portions of existing stack structure currently used to vent emissions from the plant. Overall, the project will enable the applicant to continue its operation of the cement plant with no change in production capacity.

The project does not present any unusual circumstances that could entail significant environmental effects (15300.2). The project proposes structures that are typical of similar operations across the nation. Emissions are produced in the cement manufacturing process and elevating the venting of emissions with tall stacks more widely disseminates emissions. The visual simulations demonstrate that the project's new stacks do not present unusual circumstances with respect to visual resources of the cement plant and its surroundings, which include a pre-heater tower and other industrial features of similar height and visual profile as the proposed stacks. Additional analysis regarding the project can be found in the Initial Study on file with the Department of Planning and Development.

County Contact Person
Marina Rush

Title
Planner III

Telephone Number
(408) 299-5784

Date:

3-28-14

Signature:

Marina Rush for Rob Eastwood

Name/Title:

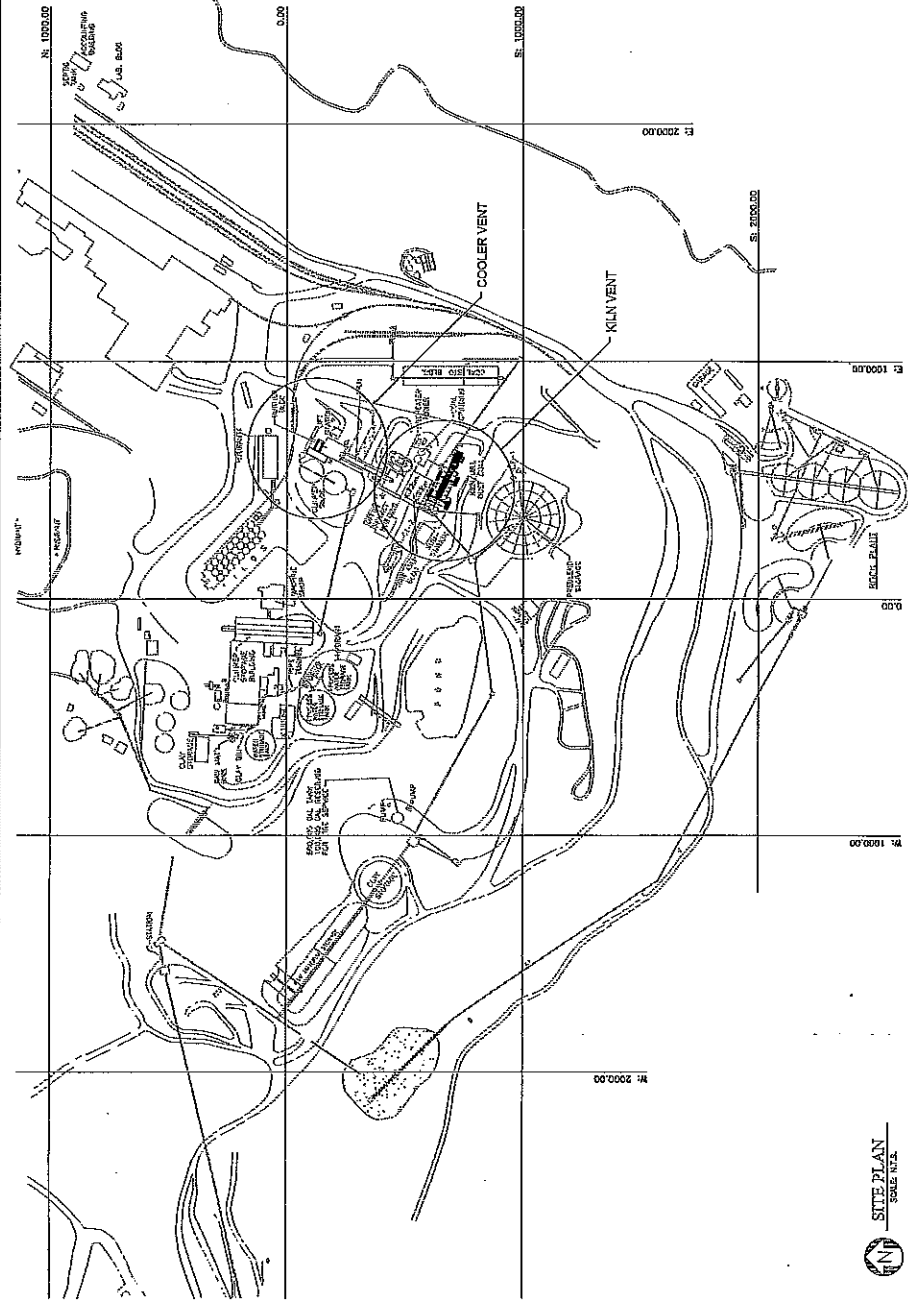
Rob Eastwood / Planner III

Lehigh Hanson

HEIDELBERGCEMENT Group

LEHIGH PERMANENTE PLANT - SANTA CLARA COUNTY, CA

KILN VENT SYSTEM AND CLINKER COOLER VENT SYSTEM REPLACEMENT



SITE PLAN
SCALE N.T.S.

AREA MAP
SCALE N.T.S.

VICINITY MAP
SCALE N.T.S.

PROJECT DIRECTORY

- LEHIGH PERMANENTE PLANT
4801 STEVENSON CREEK BLVD.
COPERTINA, CA 95014
- HEIDELBERGCEMENT TECHNOLOGY CENTER
7633 MERIDA WAY
MARIETTA, GA 30067
- CONSULTING ENGINEER
LEHIGH VALLEY TECHNICAL ASSOCIATES INC.
LEHIGH VALLEY TECHNICAL ASSOCIATES INC.
NORTHAMPTON, PA 18852-5448
- STACK ENGINEER
PETERSEN ENGINEERING INC.
3750 SHELTON ROAD
SAN DIEGO, CA 92108
- INDUSTRIAL ENGINEER
SUNNY PROFESSIONAL ENGINEERS CORPORATION
DUBLINO, CA 94568
- DESIGNER
CONSTRUCTING ENGINEERS
5750 SHELTON ROAD
SAN DIEGO, CA 92108
- CONSTRUCTION SUPERVISOR
BOYD ENGINEERING & CONSTRUCTION INC.
800 UNIVERSITY AVE. SUITE B
SAN FRANCISCO, CA 94133
- PROJECT NO. 032



LYTA
LEHIGH VALLEY TECHNICAL ASSOCIATES, INC.
CONSULTING ENGINEERS & ARCHITECTS
7633 MERIDA WAY
MARIETTA, GA 30067
LYTA PROJ. NO. 85846 | LYTA DWG. NO. TP001

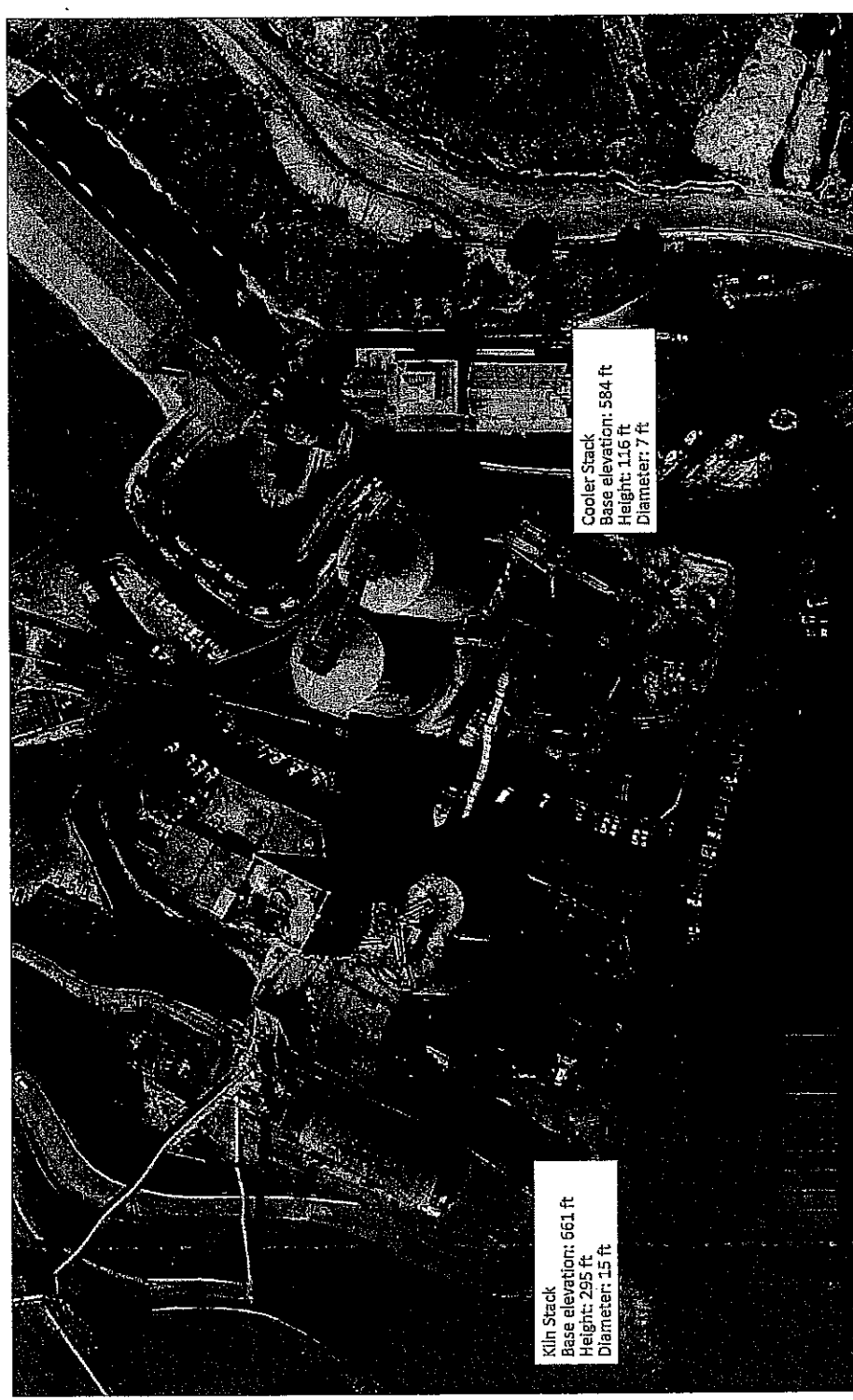
REV.	DATE	BY	CHKD.	APPR.
1	10/01/13	AP	AP	
2		CPA	CPA	
3		AP/VE	AP/VE	

REV.	DATE	BY	CHKD.	APPR.

DATE	BY	CHKD.	APPR.

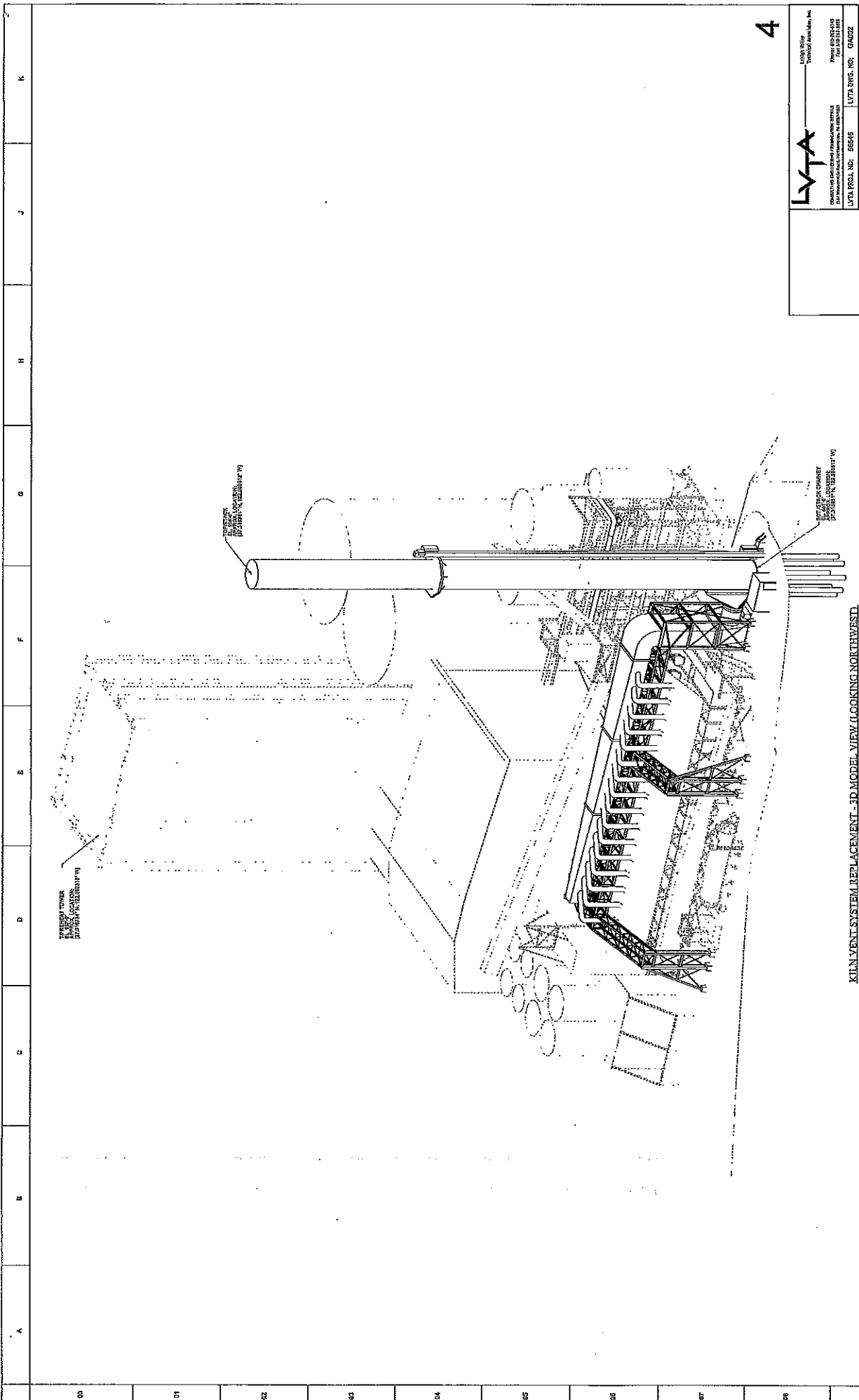
HEIDELBERG TECHNOLOGY CENTER		KILN VENT AND CLINKER COOLER SYSTEM REPLACEMENT	
Heidelberg Construction Group			
SCALE N.T.S.	SCALE N.T.S.	SCALE N.T.S.	SCALE N.T.S.
PLANT	PERMANENTE, CA	REV.	1
PROJECT NO.	85846	DWG. NO.	TP001

00 01 02 03 04 05 06 07 08 09



AERIAL VIEW

		CONSULTING ENGINEERS & ARCHITECTS 1515 Westwood Blvd., Suite 200, Los Angeles, CA 90024 LYTA PROJ. NO.: 56546 LYTA DWG. NO.:	
SEAL DESIGNED BY DRAWN BY CHECKED BY APPROVED BY	DATE DATE DATE DATE	SCALE PART SHEET NO. OF	PROJECT PERMANENTE, CA SHEET NO. REV.
HEIDELBERG TECHNOLOGY CENTER HEIDELBERG CEMENT Group		KILN VENT AND CLINKER COOLER SYSTEM REPLACEMENT AERIAL VIEW	
DESIGNED BY DATE	CHECKED BY DATE	DRAWN BY DATE	APPROVED BY DATE
DESIGNED BY DATE	CHECKED BY DATE	DRAWN BY DATE	APPROVED BY DATE
DESIGNED BY DATE	CHECKED BY DATE	DRAWN BY DATE	APPROVED BY DATE



A B C D E F G H I J K

00 01 02 03 04 05 06 07 08 09

**HEIDELBERG CENTER
HEIDELBERG CEMENT GROUP**

MAIN VENT SYSTEM REPLACEMENT - 3D MODEL VIEW (LOOKING NORTHWEST)

DATE	REV.	DATE	REV.	DATE	REV.

NO.	DATE	REV.	DATE	REV.	DATE	REV.

DATE	REV.	DATE	REV.	DATE	REV.

DATE	REV.	DATE	REV.	DATE	REV.

DATE	REV.	DATE	REV.	DATE	REV.

LYTA
LYTA Engineering & Construction
12500 E. 1st Avenue, Suite 200
Denver, CO 80231
Tel: 303.733.8888
Fax: 303.733.8889
www.lyta.com

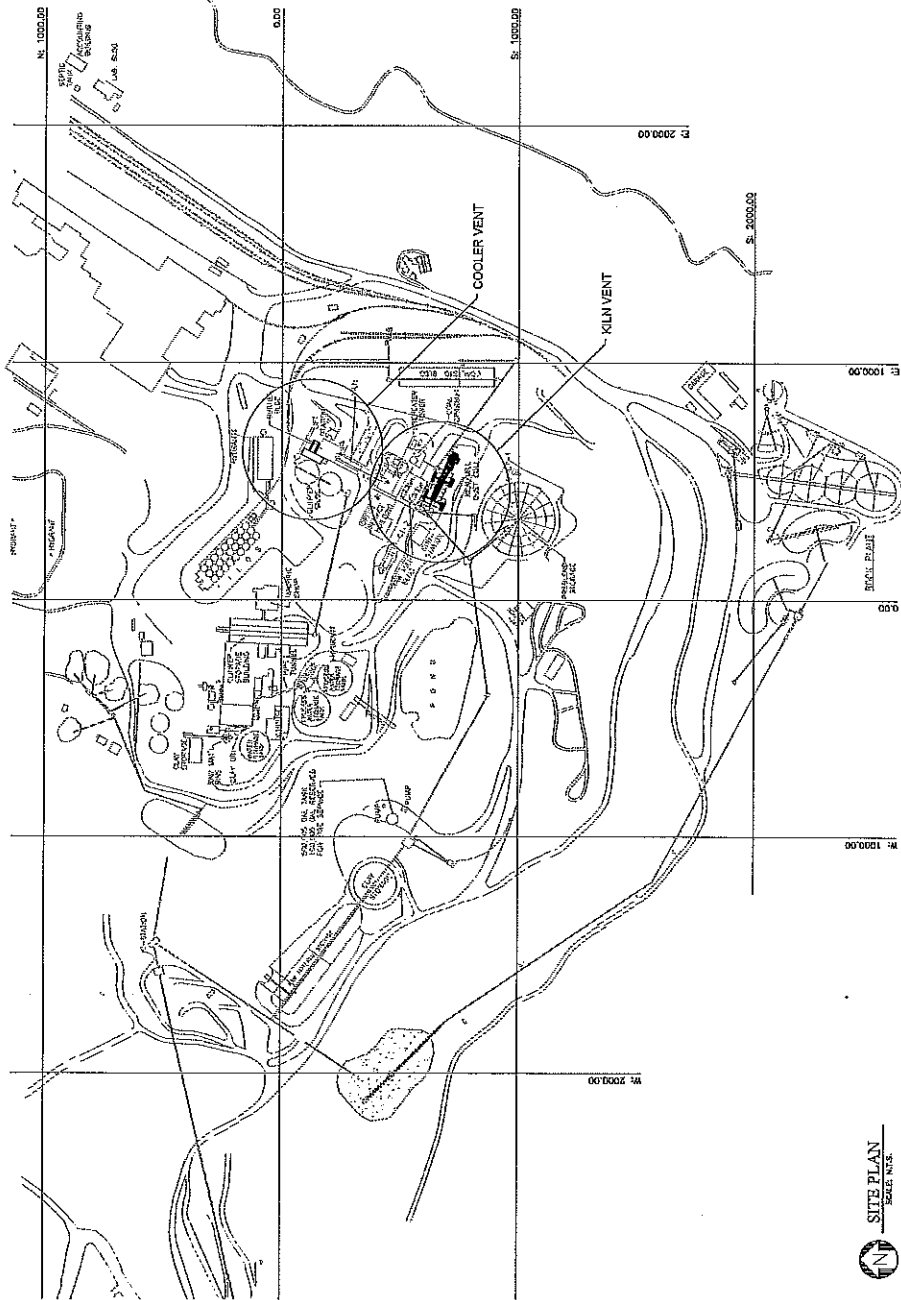
LYTA PROJ. NO.: 55256
LYTA SPEC. NO.: 6402Z

PROJECT: MAIN VENT SYSTEM REPLACEMENT
CLIENT: HEIDELBERG CEMENT GROUP
LOCATION: PERMANENTE, CA
SCALE: AS SHOWN
SHEET NO.: 4
SHEET TOTAL: 4

Lehigh Hanson

HEIDELBERGCEMENT Group

LEHIGH PERMANENTE PLANT - SANTA CLARA COUNTY, CA KILN VENT SYSTEM AND CLINKER COOLER VENT SYSTEM REPLACEMENT



SITE PLAN
SCALE: N.E.

AREA MAP
SCALE: N.E.

VICINITY MAP
SCALE: N.E.

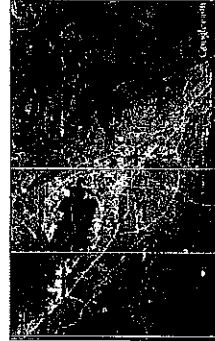


EXHIBIT C

1

PROJECT PURPOSE
THE PROJECT'S PURPOSE IS TO REPLACE CERTAIN EMISSIONS EQUIPMENT, THE KILN VENT SYSTEM AND CLINKER COOLER VENT SYSTEM, AT THE LEHIGH PERMANENTE PLANT, SANTA CLARA COUNTY, CALIFORNIA. THE PROJECT ALSO IS BASED ON A 2007 AIR QUALITY IMPACT STATEMENT (AQIS) PREPARED BY THE SAN JOAQUIN COUNTY AIR QUALITY MANAGEMENT DISTRICT (SJCQAQMD), INCLUDING A 2007 AIR QUALITY IMPACT STATEMENT (AQIS) PREPARED BY THE SJCQAQMD. THE PROJECT ALSO IS BASED ON A 2007 AIR QUALITY IMPACT STATEMENT (AQIS) PREPARED BY THE SJCQAQMD, WHICH REQUIRES LEHIGH TO REDUCE THE POTENTIAL HEALTH RISKS ASSOCIATED WITH CURRENT MANUFACTURING EMISSIONS.

PROJECT DESCRIPTION
LEHIGH PERMANENTE CEMENT COMPANY (LEHIGH PERMANENTE CEMENT CO.) IS PROPOSING REPLACEMENT OF EXISTING MULTIPLE EXHAUST SOURCES AT THE KILN VENT SYSTEM AND CLINKER COOLER VENT SYSTEM. THE PROPOSED KILN VENT SYSTEM WILL BE A NEW SYSTEM THAT WILL BE INSTALLED IN AND INTO A BUILDING THAT CURRENTLY IS USED AS A STORAGE AREA FOR CEMENT. THE PROPOSED CLINKER COOLER VENT SYSTEM WILL BE A NEW SYSTEM THAT WILL BE INSTALLED IN AND INTO A BUILDING THAT CURRENTLY IS USED AS A STORAGE AREA FOR CEMENT. THE NEW KILN VENT SYSTEM AND CLINKER COOLER VENT SYSTEM WILL BE INSTALLED IN AND INTO EXISTING BUILDING CODES.

PROJECT DATA
PROJECT NO. 56554B
DATE: 08/14/13
SCALE: N.E.
PROJECT LOCATION: SANTA CLARA COUNTY, CALIFORNIA
PROPOSED: NO CHANGE TO EXISTING SITE DRAINAGE OR UTILITIES.

PROJECT DIRECTORY

OWNER:
LEHIGH PERMANENTE CEMENT CO.
2401 FRYING CREEK BLVD.
CUPERTINO, CA 95014

CONSULTING ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING ARCHITECT:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING ELECTRICAL ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING MECHANICAL ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING CIVIL ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING ENVIRONMENTAL ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING GEOTECHNICAL ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING STRUCTURAL ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING TRAFFIC ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING WATER ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING WASTE ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING METEOROLOGICAL ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING HISTORICAL ARCHITECTURE ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING LANDSCAPE ARCHITECT:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING PLANNING ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING PUBLIC RELATIONS ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING SAFETY ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING SECURITY ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING SOFTWARE ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING SYSTEMS ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING TELECOMMUNICATIONS ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING TRAINING ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING VIDEO ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING WEBSITE ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING WIRELESS ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING X-RAY ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING YOUTH SERVICES ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

CONSULTING ZONING ENGINEER:
LEHIGH PERMANENTE CEMENT CO. PROJECT CENTER
7801 IMPERIAL WAY
FOLSOM, CA 95630

<p>LEHIGH PERMANENTE CEMENT CO. CONSULTING ENGINEERING & ARCHITECTURE 101 WASHINGTON BLVD., SUITE 200 FOLSOM, CA 95630 PHONE: 916.932.5100 FAX: 916.932.5100</p> <p>LVA PROJ. NO. 56554B LVA DWG. NO. TP-001 EXTERNAL CONTRACTOR</p>		<p>SCALE: N.T.S.</p> <p>SHEET 1</p> <p>OF 1</p> <p>DATE: 08/14/13</p> <p>DRAWN BY: AJP</p> <p>CHECKED BY: []</p> <p>APP'D BY: []</p>
<p>HEIDELBERG TECHNOLOGY CENTER HEIDELBERG CEMENT Group</p>		<p>SCALE: N.E.</p> <p>KILN VENT AND CLINKER COOLER SYSTEM REPLACEMENT</p>
<p>REV. NO. 01</p> <p>DATE: 08/14/13</p> <p>BY: []</p> <p>DESCRIPTION: []</p>	<p>REV. NO. 02</p> <p>DATE: []</p> <p>BY: []</p> <p>DESCRIPTION: []</p>	<p>REV. NO. 03</p> <p>DATE: []</p> <p>BY: []</p> <p>DESCRIPTION: []</p>

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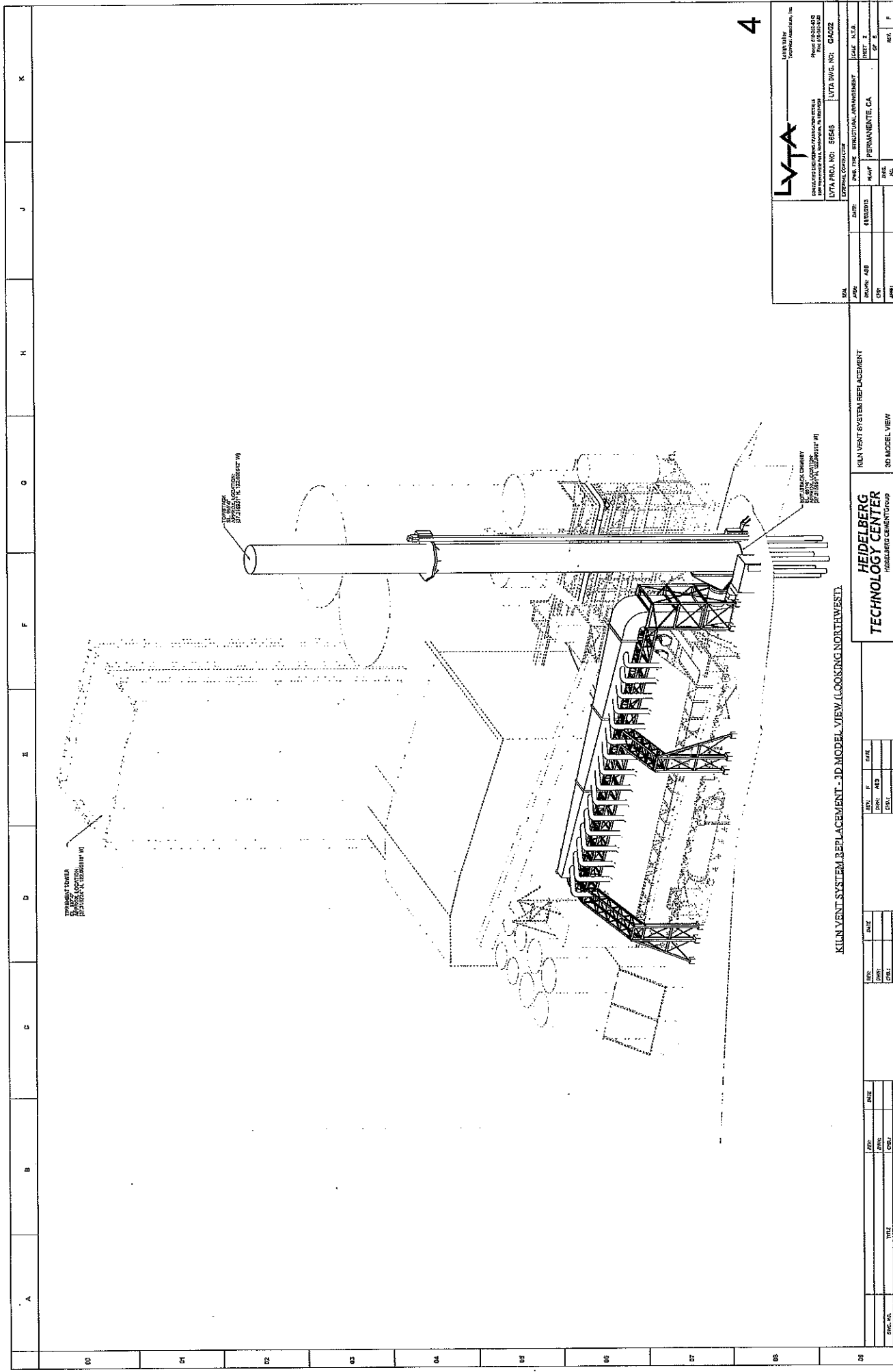


Kiln Stack
 Base elevation: 661 ft
 Height: 295 ft
 Diameter: 15 ft

Cooler Stack
 Base elevation: 584 ft
 Height: 116 ft
 Diameter: 7 ft

AERIAL VIEW

HEIDELBERG TECHNOLOGY CENTER <small>HEIDELBERG CEMENT Group</small>		KILN VENT AND CLINGER COOLER SYSTEM REPLACEMENT <small>AERIAL VIEW</small>		SCALE: _____ SHEET: _____ OF: _____
DATE: _____ DESIGNED BY: _____ CHECKED BY: _____ APPROVED BY: _____	DATE: _____ DESIGNED BY: _____ CHECKED BY: _____ APPROVED BY: _____	DATE: _____ DESIGNED BY: _____ CHECKED BY: _____ APPROVED BY: _____	DATE: _____ DESIGNED BY: _____ CHECKED BY: _____ APPROVED BY: _____	DATE: _____ DESIGNED BY: _____ CHECKED BY: _____ APPROVED BY: _____
REFERENCE DRAWINGS: _____		TITLE: _____		SHEET NO.: _____ OF _____
LYTAL PROJ. NO.: 56546		LYTAL DWG. NO.: _____		LYTAL <small>LYTAL INC. TECHNICAL SERVICES, INC.</small> <small>CONTRACTING ENGINEERING / ARCHITECTURE SERVICES</small> <small>125 Westwood Blvd., Westborough, MA 01581</small> <small>Phone: 508-342-3442 Fax: 508-342-3344</small>



EXISTING TOWER
TO BE DEMOLISHED
BY CONTRACTOR

EXISTING TOWER
TO BE DEMOLISHED
BY CONTRACTOR

EXISTING CHIMNEY
TO BE DEMOLISHED
BY CONTRACTOR

KILN VENT SYSTEM REPLACEMENT - 3D MODEL VIEW (LOOKING NORTHWEST)

4

LYTA
 CONSULTING ENGINEERS / ARCHITECTS / INTERIORS
 1000 UNIVERSITY AVENUE, SUITE 200
 BERKELEY, CA 94702
 LYTA PROJ. NO: 8648 LYTA DWG. NO: 04022
 EXISTING CONTRACTOR

DATE: 08/28/13
 DRAWN: ABB
 CHECK: []
 APPR: []

SCALE: N.T.S.
 SHEET: 4
 OF: 5

PROJECT: KILN VENT SYSTEM REPLACEMENT
 LOCATION: PERMANENTE, CA
 DATE: []
 NO. []
 REV. []

**HEIDELBERG
 TECHNOLOGY CENTER**
 Heidelberg Cement Group

REV.	DATE
001	08/28/13
002	
003	
004	
005	

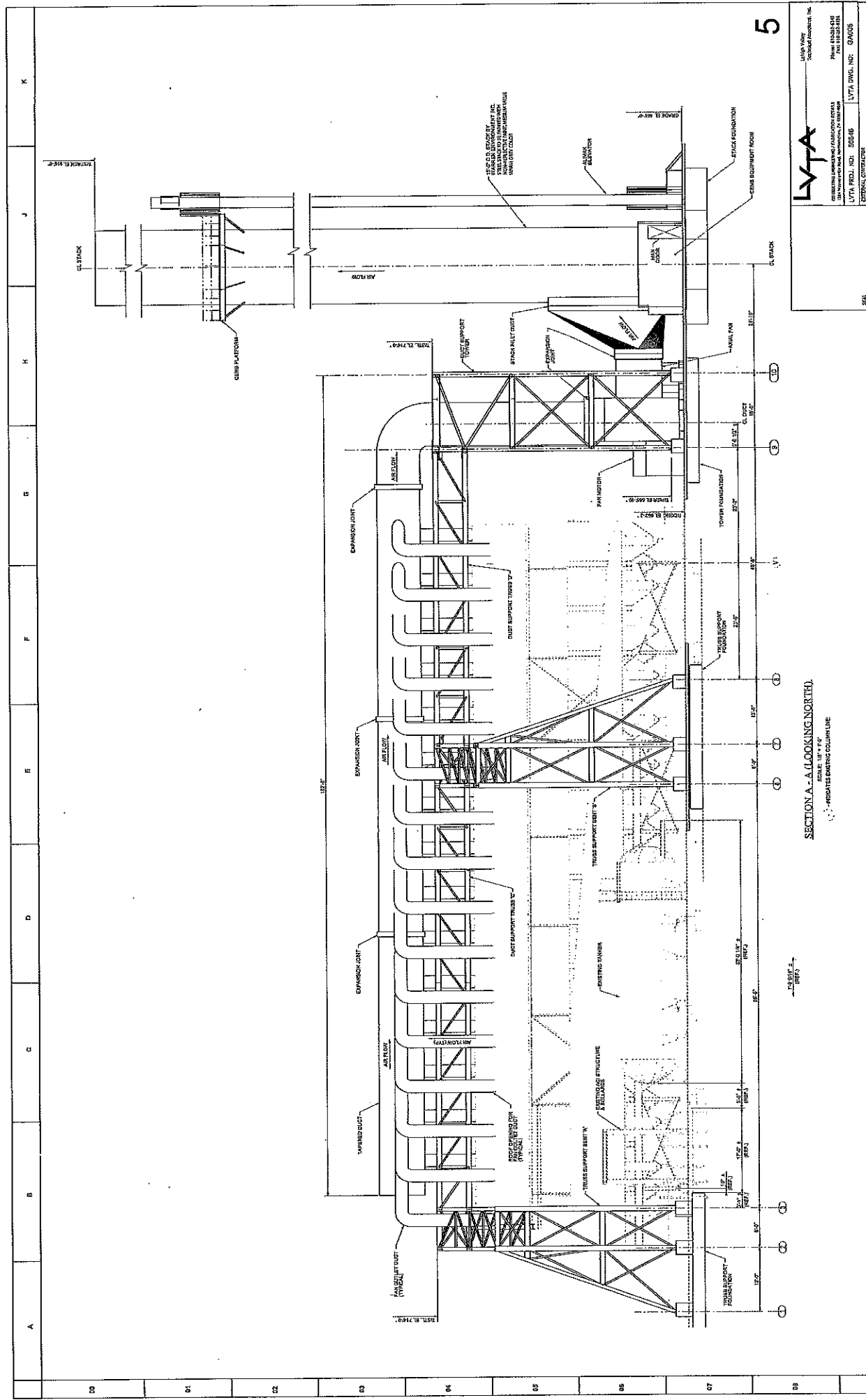
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REV.	DATE
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A B C D E F G H J K

00 01 02 03 04 05 06 07 08 09



5

LYTA
 LYNCH YOUNG TECHNICAL ASSOCIATES, INC.
 CONSULTING ENGINEERS / ARCHITECTS / INTERIORS
 1011 UNIVERSITY AVENUE, SUITE 1000, BERKELEY, CA 94702
 LYTA PROJ. NO. 88548 LYTA DWG. NO. 04005

DATE	DATE	DATE	DATE
REV. 1	REV. 2	REV. 3	REV. 4
APP. _____	APP. _____	APP. _____	APP. _____

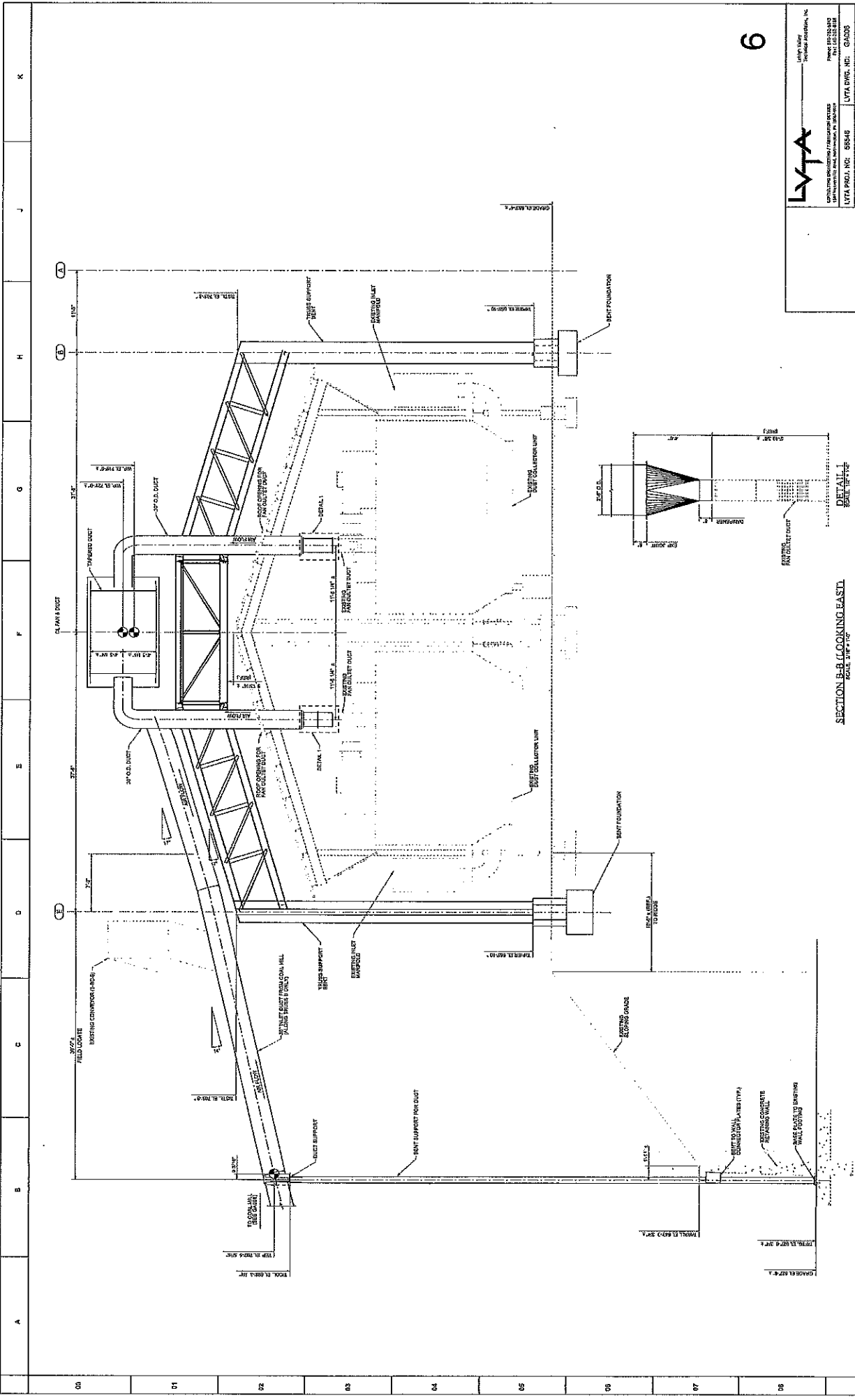
SCALE AS NOTED
 SHEET 5 OF 8
 REV. #

HEIDELBERG TECHNOLOGY CENTER
 HEIDELBERG CENTER / resp

KELN VENT SYSTEM REPLACEMENT
 SECTION A-A

SECTION A-A (LOOKING NORTH)
 SCALE: 1/8" = 1'-0"
 * INDICATES STARTING COLUMN LINE

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REV.		DATE		BY		CHK.		APP.	
1	11/04/14	1	11/04/14	1	11/04/14	1	11/04/14	1	11/04/14
2	11/04/14	2	11/04/14	2	11/04/14	2	11/04/14	2	11/04/14

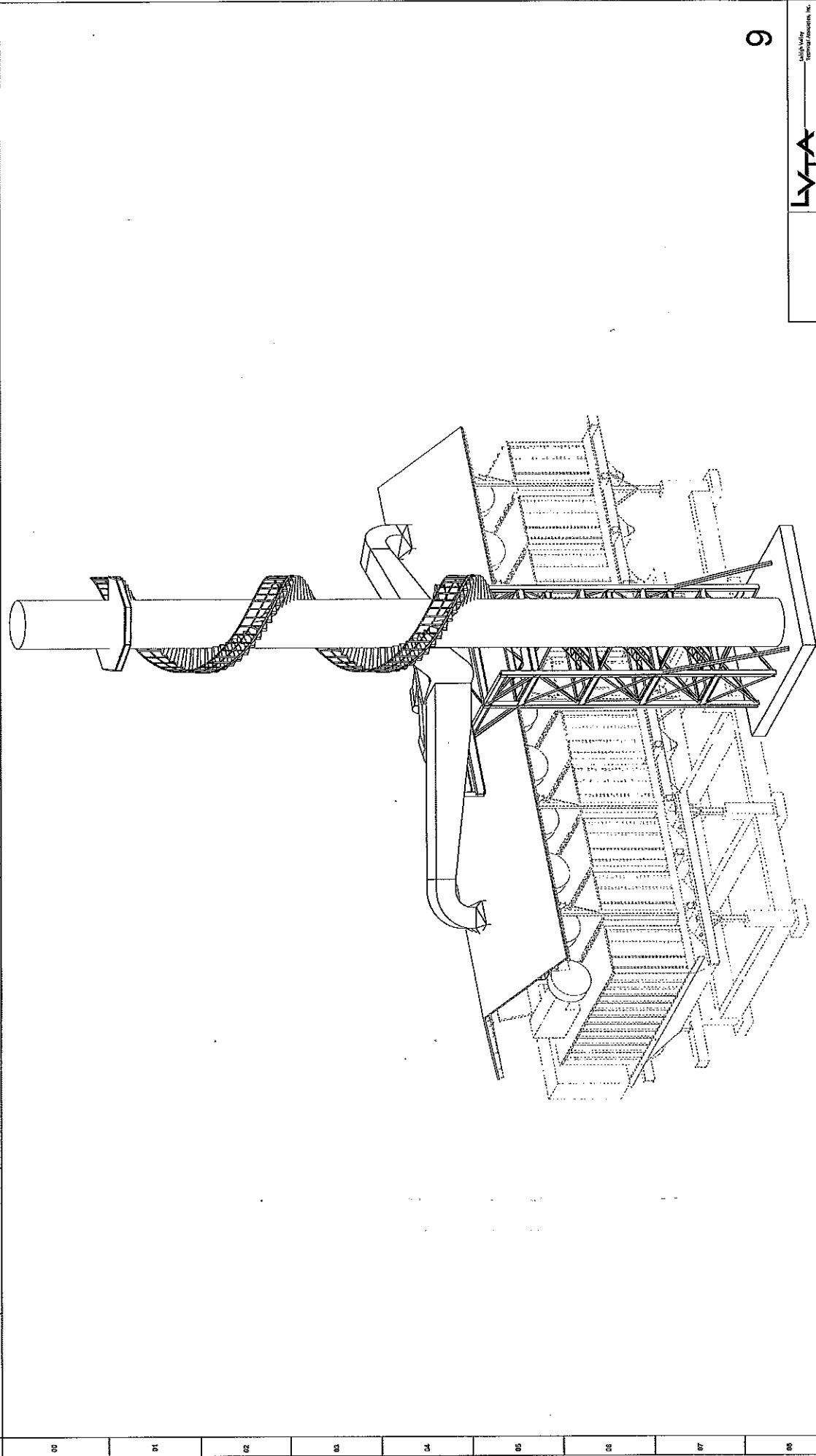
DATE:		SCALE:		PROJECT:	
11/04/14	11/04/14	1:4	1:4	HEIDELBERG CENTER	HEIDELBERG CEMENTS ROAD

SECTION B-B (LOOKING EAST)			
SCALE 1/4" = 1'-0"			
MILL VENT SYSTEM REPLACEMENT			
SECTION B-B			

6

LYTA		Lytton Valley Technical Services, Inc.	
15802 DEVERAUX DRIVE, SUITE 100 LYTTON, CA 95759 TEL: (925) 438-4400 WWW.LYTA.COM		LITTON VALLEY TECHNICAL SERVICES, INC. 15802 DEVERAUX DRIVE, SUITE 100 LYTTON, CA 95759 TEL: (925) 438-4400 WWW.LYTA.COM	
LYTA PROJ. NO. 8846 SHEET NO. 03438		LYTA PROJ. NO. 8846 SHEET NO. 03438	
DATE: 11/04/14		DATE: 11/04/14	
DRAWN: [Name]		DRAWN: [Name]	
CHECK: [Name]		CHECK: [Name]	
APP: [Name]		APP: [Name]	
DATE:	SCALE:	PROJECT:	SHEET NO. / OF

A B C D E F H J K



9

**COOLER VENT SYSTEM REPLACEMENT
3D MODEL VIEW (LOOKING NORTHWEST)**
NO SCALE

DATE: _____

SCALE: _____

SHEET: _____ OF _____

PROJECT: _____

CLIENT: _____

LOCATION: _____

DESIGNER: _____

CHECKER: _____

APPR.: _____

PROJECT NO.: _____

DATE: _____

SCALE: _____

SHEET: _____ OF _____

CLIENT: _____

PROJECT: _____

LOCATION: _____

PROJECT NO.: _____

DATE: _____

SCALE: _____

SHEET: _____ OF _____

HEIDELBERG TECHNOLOGY CENTER
HEIDELBERG CENTER NORTHWEST

PROJECT NO.: _____

DATE: _____

SCALE: _____

SHEET: _____ OF _____

CLIENT: _____

PROJECT: _____

LOCATION: _____

DESIGNER: _____

CHECKER: _____

APPR.: _____

PROJECT NO.: _____

DATE: _____

SCALE: _____

SHEET: _____ OF _____

CLIENT: _____

PROJECT: _____

LOCATION: _____

PROJECT NO.: _____

DATE: _____

SCALE: _____

SHEET: _____ OF _____

HEIDELBERG TECHNOLOGY CENTER
HEIDELBERG CENTER NORTHWEST

PROJECT NO.: _____

DATE: _____

SCALE: _____

SHEET: _____ OF _____

CLIENT: _____

PROJECT: _____

LOCATION: _____

DESIGNER: _____

CHECKER: _____

APPR.: _____

PROJECT NO.: _____

DATE: _____

SCALE: _____

SHEET: _____ OF _____

CLIENT: _____

PROJECT: _____

LOCATION: _____

PROJECT NO.: _____

DATE: _____

SCALE: _____

SHEET: _____ OF _____

Kiln Vent System Replacement

County of Santa Clara – Building Permit Pre-Application Meeting

December 17th, 2013

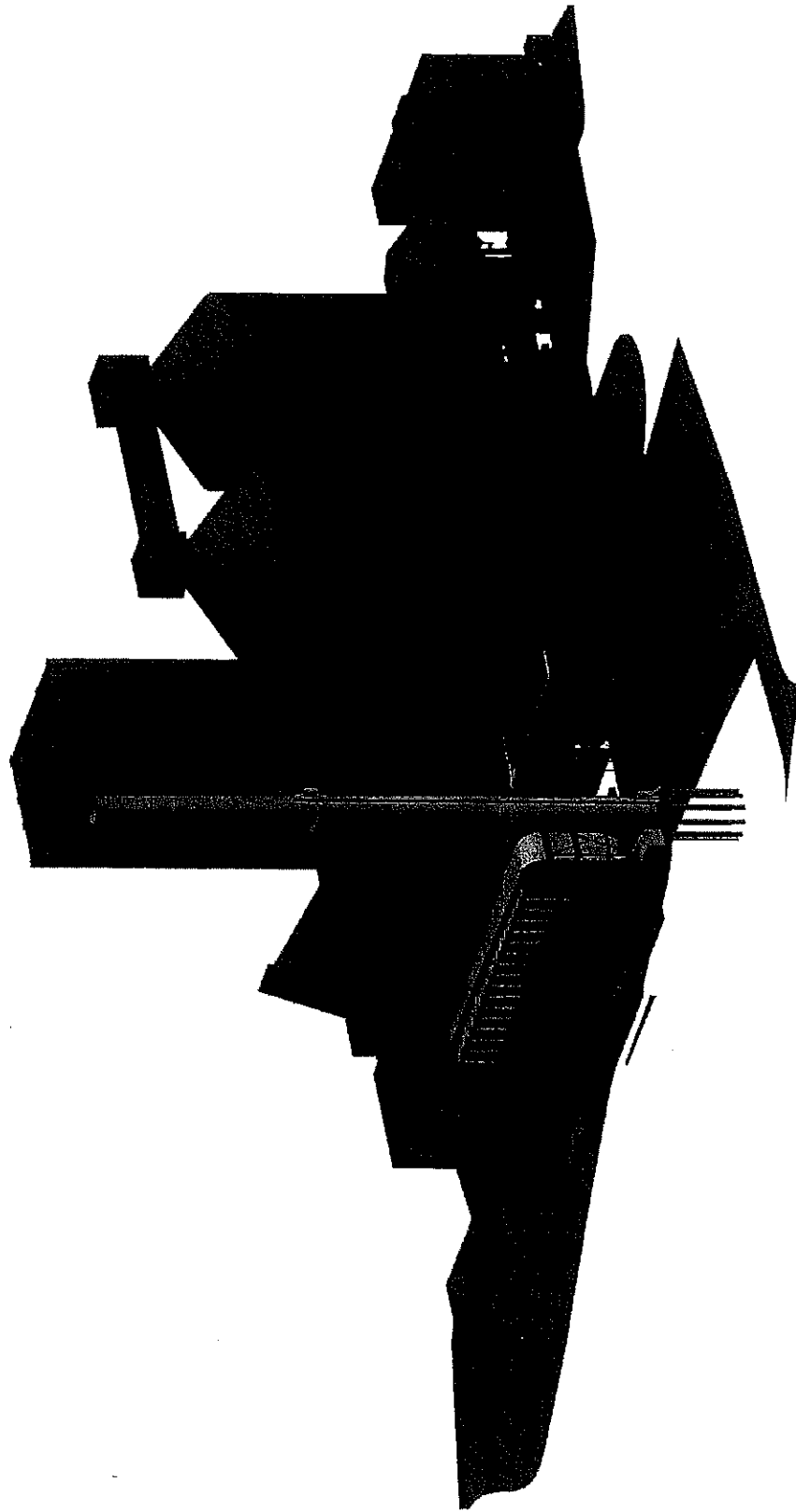
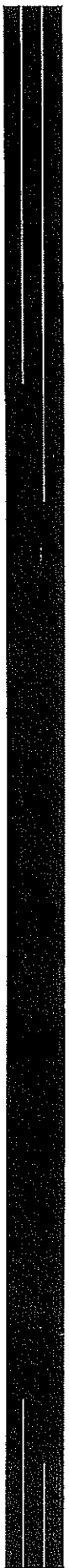


EXHIBIT D



Project Information

Project Title: Kiln Vent System Replacement

Project Applicant: Lehigh Southwest Cement Company

Project Location: Santa Clara County, California

Project Description: Lehigh Southwest Cement Company is proposing to replace the current 34-stack kiln vent system at its Permanente Cement Plant with a single stack. The project requires directing the current stacks into a manifold, running this through a booster fan and into a 15ft diameter, 295ft tall, free-standing steel stack. The new single stack system will be built to meet or exceed all applicable building code standards. Once implemented, two main objectives will be achieved: minimizing the number of emission points, and more efficiently dispersing these emissions. This will not only result in an overall environmental benefit, but will also allow us to timely comply with California Air Toxics Hot Spots Information and Assessment Act (the "Hot Spots Program") as well as the Bay Area Air Quality Management District's (BAAQMD) Regulation 9, Rule 13. In addition, the project will allow us to address NESHAP's requirement of continuously monitor process exhaust emissions ahead of September 2015 deadline.

Project Objectives

- ✓ Minimize number of emission sources
- ✓ More efficiently disperse emissions

This will not only result in an overall environmental benefit, but will also allow us to timely comply with:

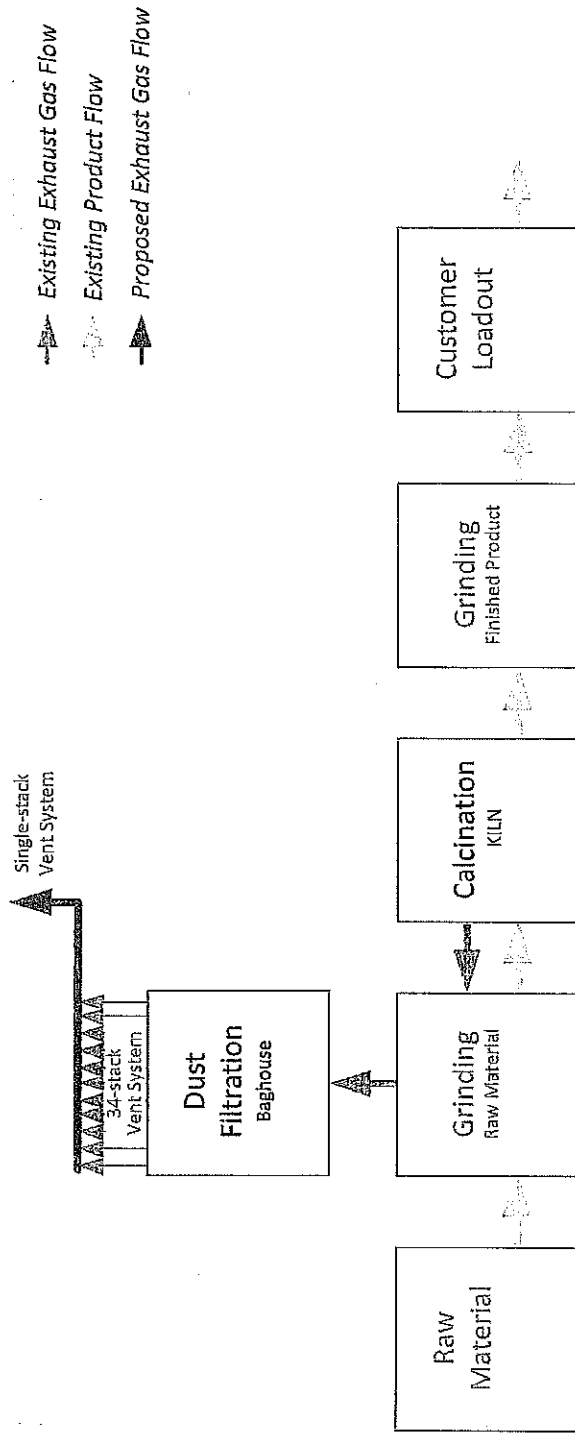
- *California Air Toxics Hot Spots Information and Assessment Act;*
- *Bay Area Air Quality Management District's Regulation 9, Rule 13;*
- *NESHAP Final Rule.*

How are we achieving these...

- Replacing the current 34-stack kiln vent system with a single stack.

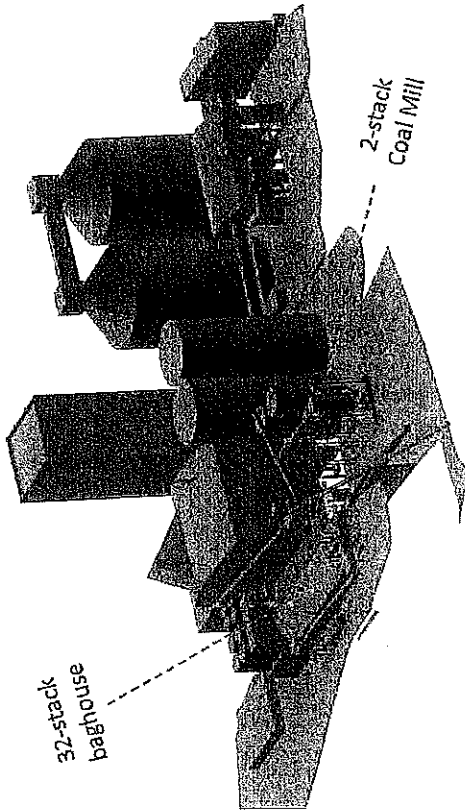
Project will not change existing manufacturing process - the system replacement is limited to re-directing process exhaust emissions.

Manufacturing Process at Permanente

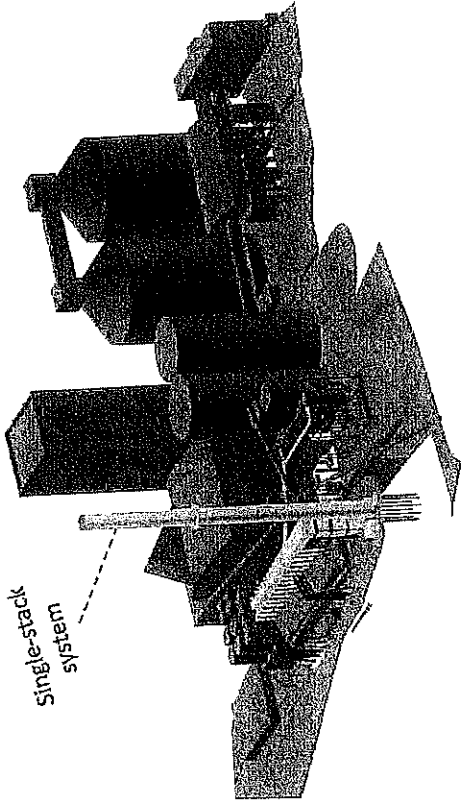


Project Scope

- Project requires directing the current stacks into a new manifold, running this through a booster fan and into a 15ft diameter, 295ft tall, steel stack.



ACTUAL

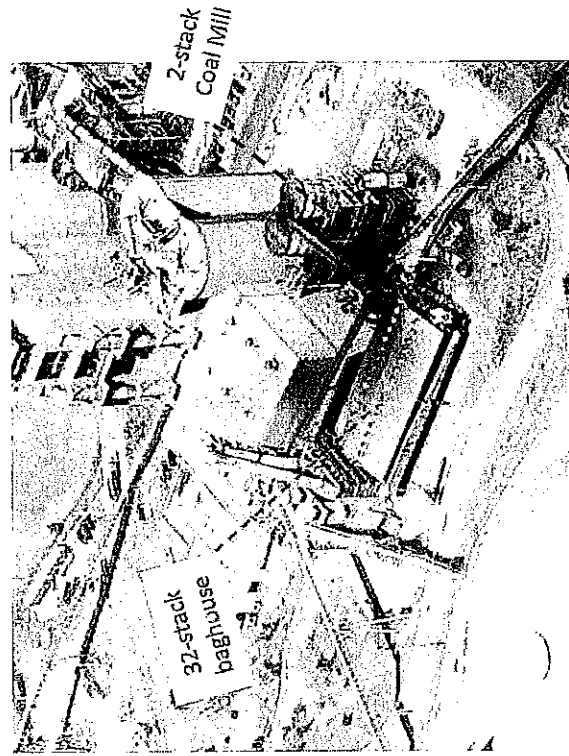


PROPOSED

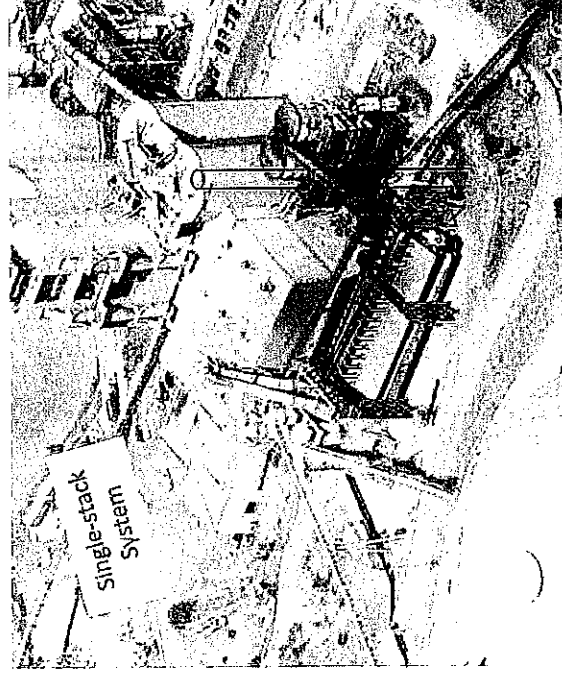
* Figures in gray represent existing structures/equipment

Project Scope

- All new equipment will be supported by new structures and foundations. No loads will be added to any existing structure, equipment or foundation.



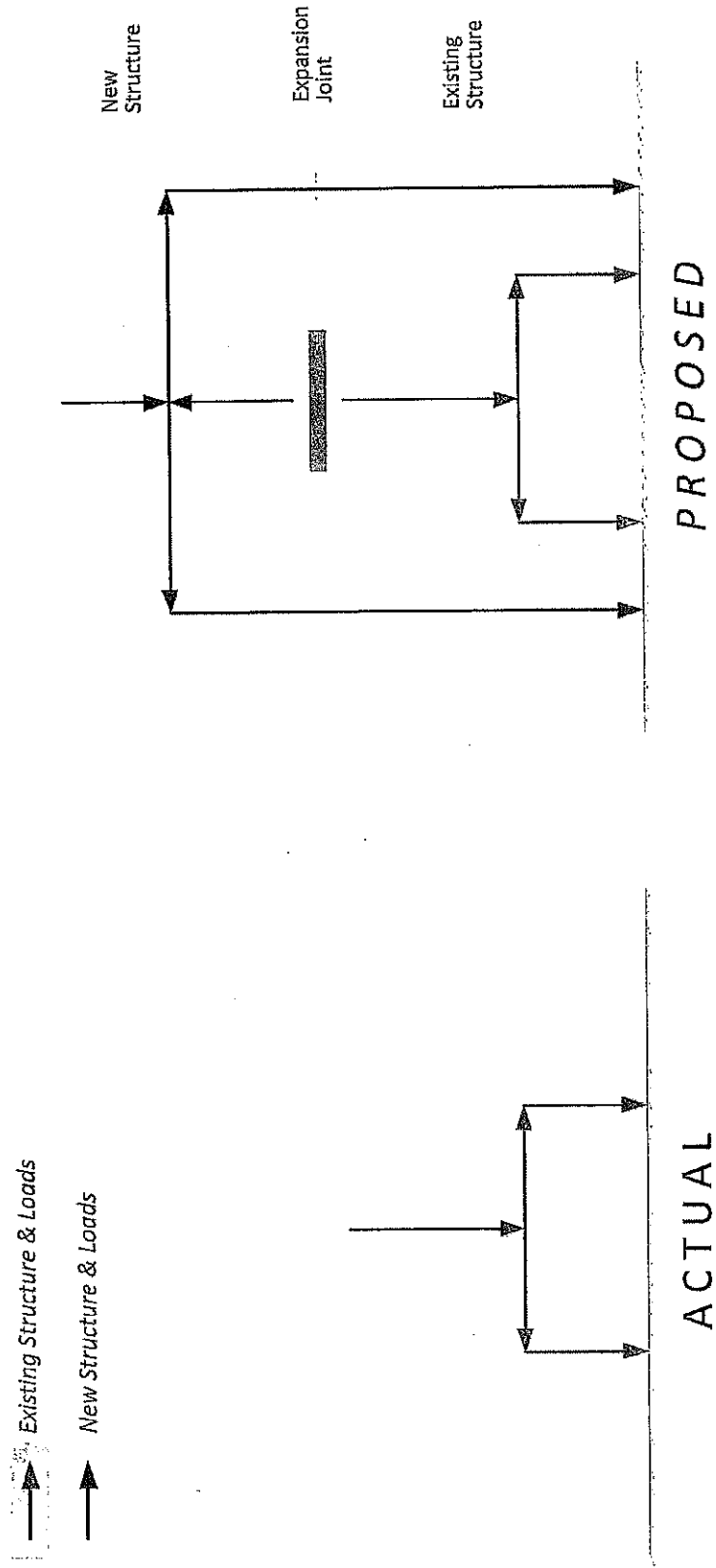
ACTUAL



PROPOSED

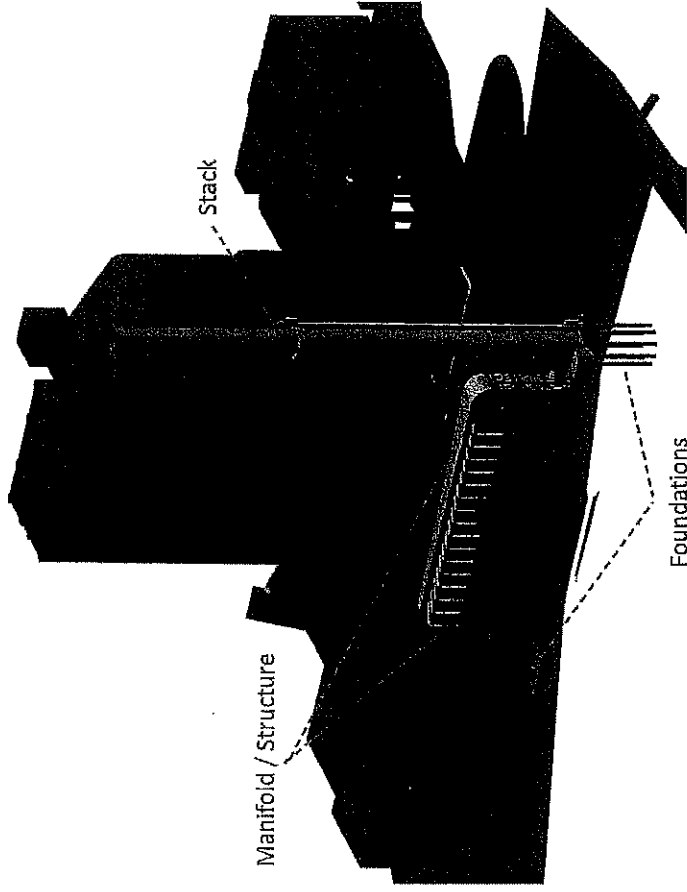
All new equipment will be self-supported

- To achieve this, an expansion joint will connect the existing ductwork with the new one, effectively isolating the loads.



■ Main Project Components

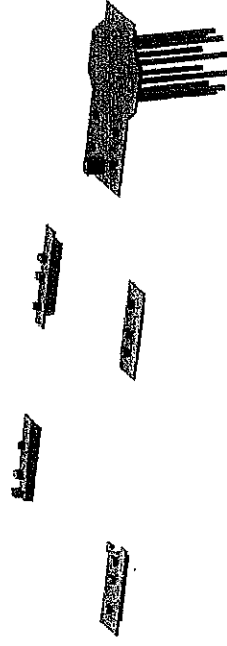
- I. Foundations
- II. Manifold & Structure
- III. Stack
- IV. Booster Fan & Dampers



* Figures gray represent existing structures/equipment

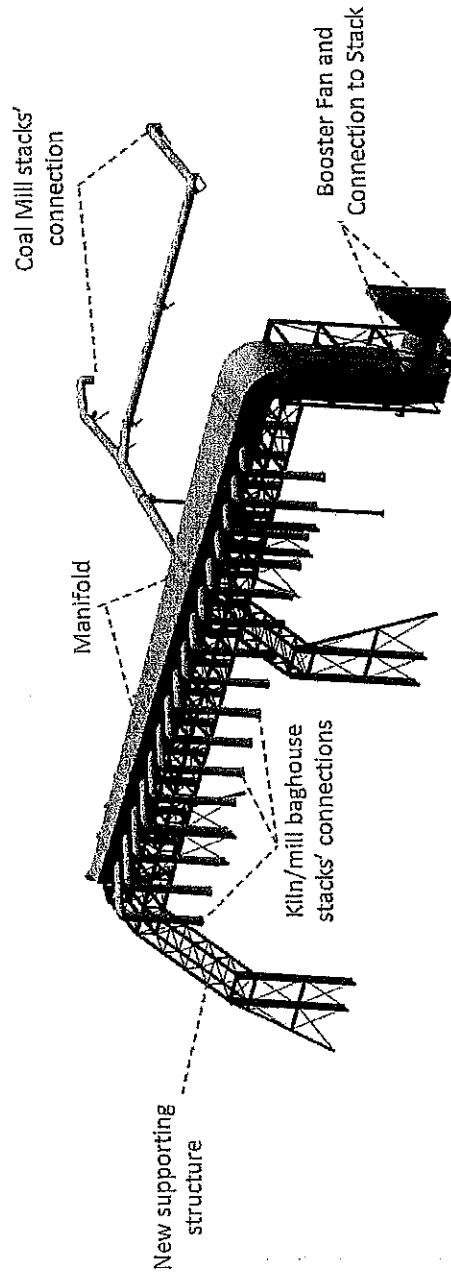
I. Foundations

- **Designer:** Lehigh Valley Technical Associates, Inc. / S.Y. Kim
- 5 New reinforced concrete foundation slabs will be built to support the new structure and stack.
- The existing surface where the new foundation slabs will be located is mostly concrete – the project will add approximately 800 sq. ft. of impervious surface, thus qualifying as a minor project under the “*Drainage Alteration Exemptions*” (Sec. C12-423 (a))
- The focal point of the foundation work is the area supporting the new stack.
 - A system of reinforced concrete underground piles is being designed to support the new stack.
 - A geotechnical study was performed to determine the subsurface constituents to be used for the pile system design.



II. Manifold / Structure

- **Designer:** Lehigh Valley Technical Associates, Inc. / S.Y. Kim
- **Overall Height:** 51 ft.
- The existing 32 stacks in the kiln/mill baghouse and the 2 stacks in the coal mills will be connected to a new manifold.
- The new manifold and connecting ducts will be supported by a new structure designed around the existing baghouse.
- The new structure will be supported by the 5 new foundation slabs.



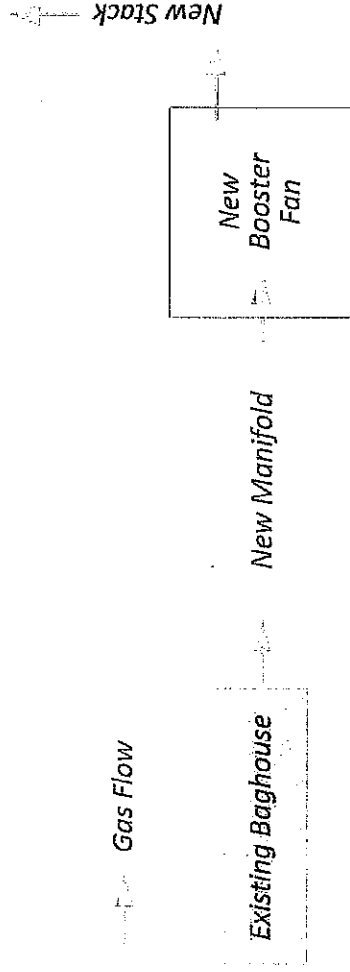
III. STACK

- **Designer:** Warren Environment, Inc.
- **Overall Height:** 295 ft.
- **Material:** ASTM A-36 Carbon Steel
- **Lightning Protection:** NFPA 780-18 Ch 6.
- **Foundation Design Criteria:**
 - **Wind Code:** ASCE 7-05
 - **Seismic Code:** IBC 2006
 - **Seismic Zone:** 2.509, 0.958



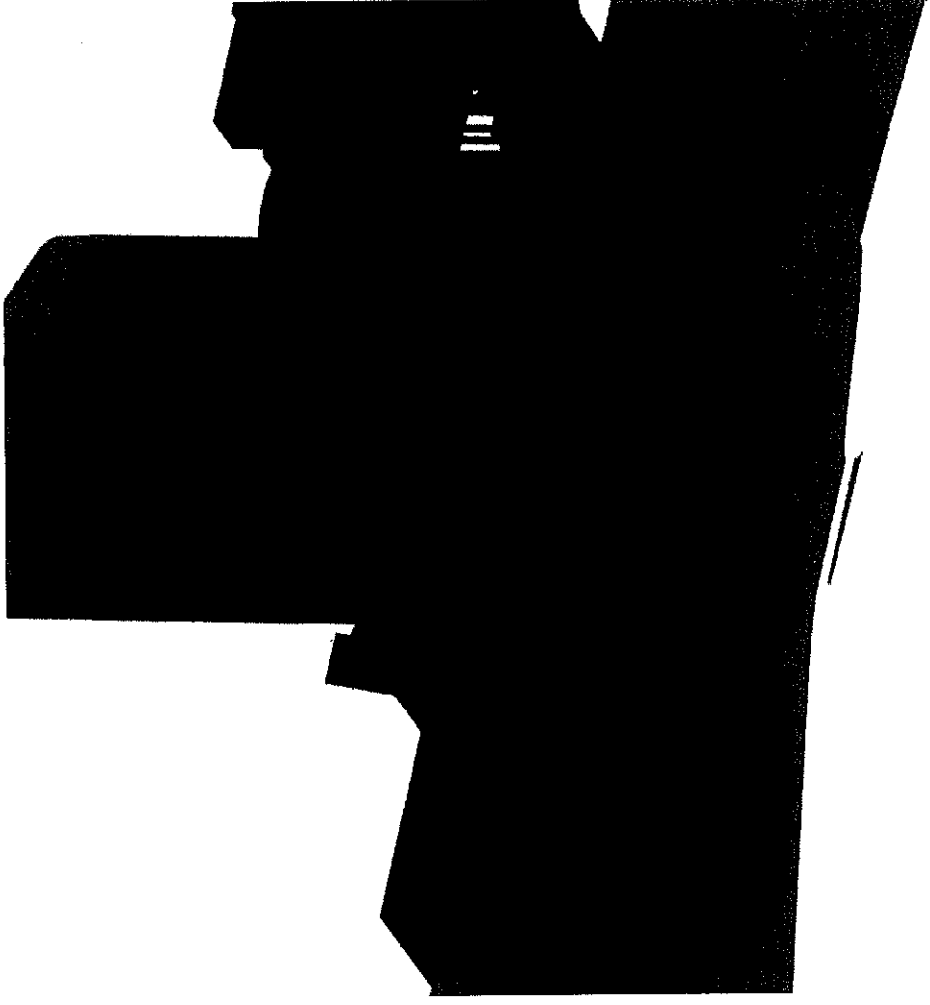
IV. Booster Fan / Dampers

- A new axial fan located between the new manifold and the stack will provide the additional energy required to move the exhaust gases through the new system.
- Final design of the fan will be submitted with the building permit package, preliminary specifications are: 110" diameter, A-36 carbon steel, 700hp.
- The fan will be controlled with a latest technology variable frequency drive (VFD) for maximum energy efficiency.
- All connections between the new and existing vent system will include an automated damper for maximum energy efficiency.



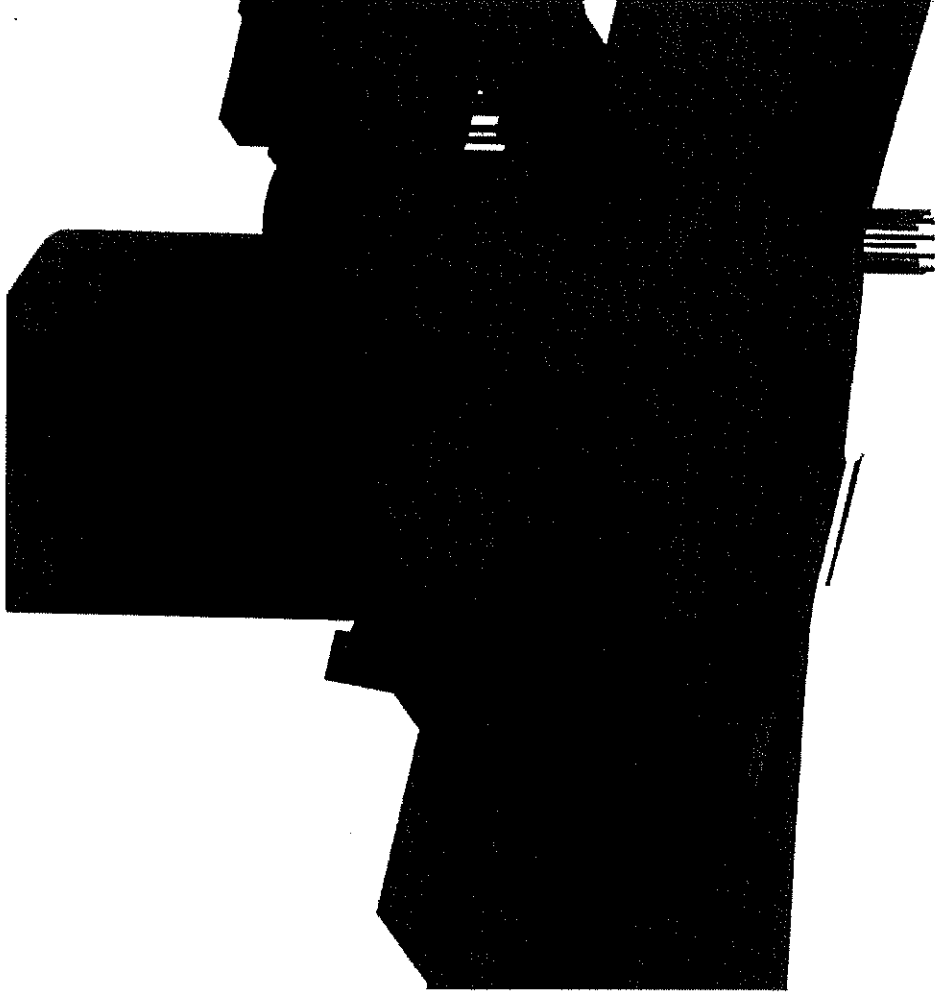
■ Main Project Components

- ✓ Existing System



■ Main Project Components

- ✓ Existing System
- ✓ Foundations



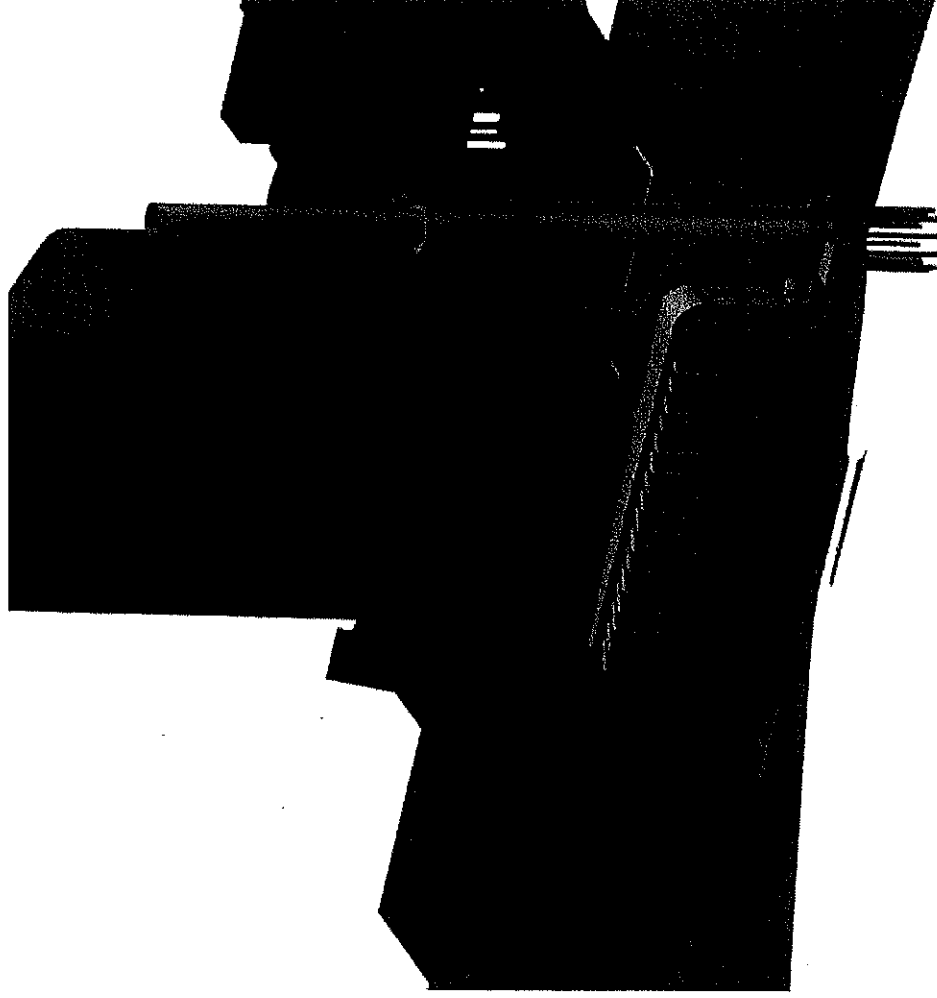
■ Main Project Components

- ✓ Existing System
- ✓ Foundations
- ✓ Manifold & Structure

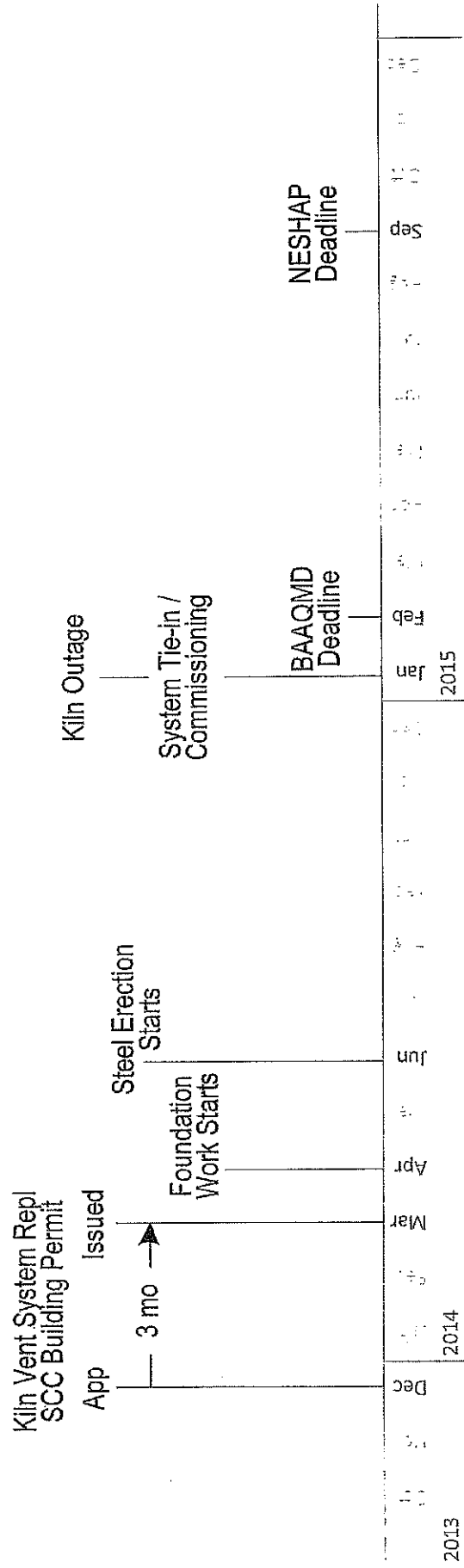


■ Main Project Components

- ✓ Existing System
- ✓ Foundations
- ✓ Manifold & Structure
- ✓ Stack



Project Schedule



■ *County of Santa Clara - Building Permit*

- The new single stack system is designed to meet or exceed all applicable building code standards, including:
 - 2010 California Building Code (2009 IBC)
 - 2010 California Electrical Code (2008 NEC)

Building Permit Submission Documents

- Permit Application
- Plan Check Fees
- Construction Plans and Notes
 - General Notes
 - Site
 - Structural
 - Steel Stack
 - Electrical
- Geotechnical Report
- Structural Calculations

■ Clinker Cooler Vent System Replacement

- System will replace the existing 10-stack cooler dust collector system with a single stack.
- Building permit package to be submitted late January.

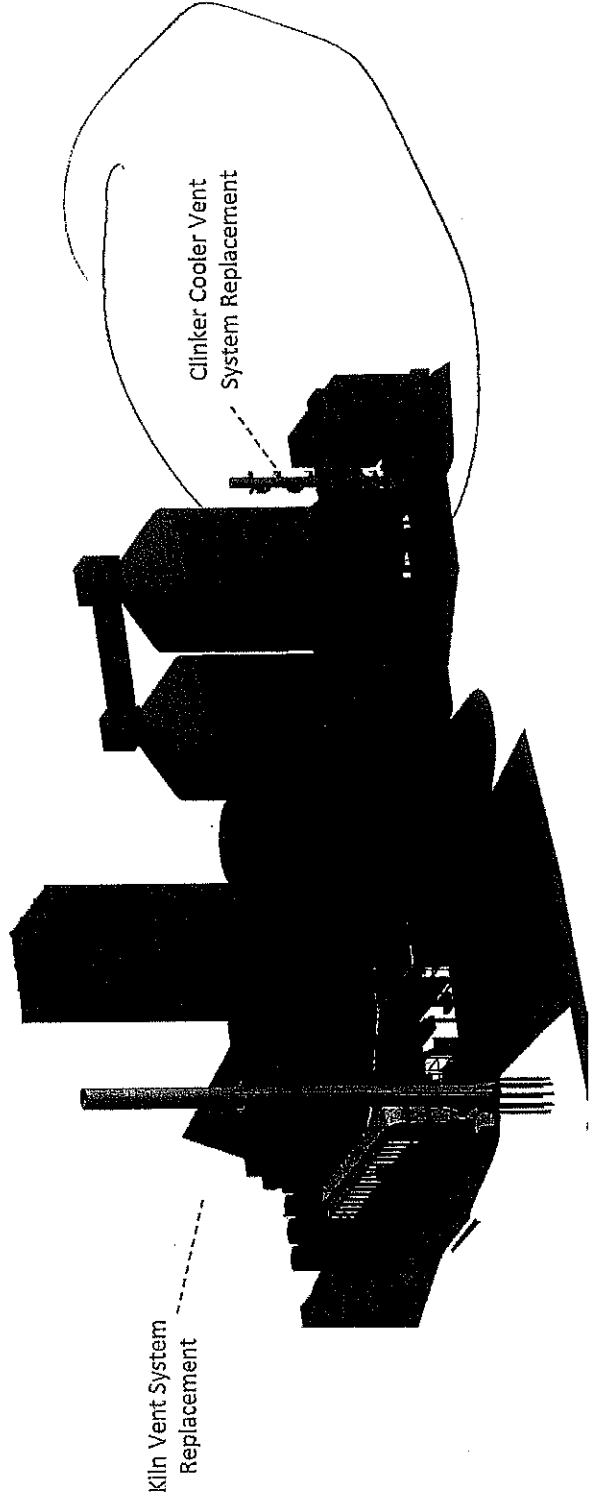


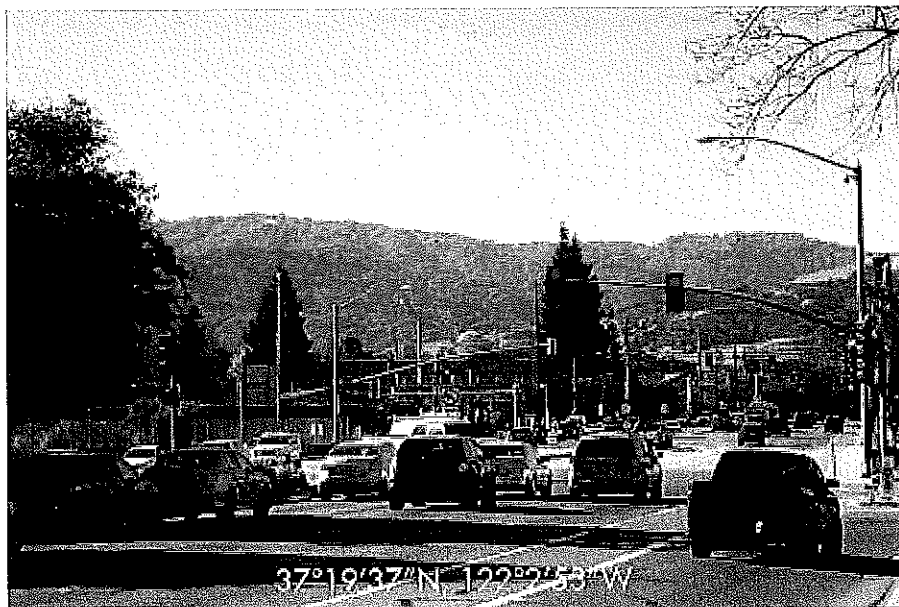
EXHIBIT E



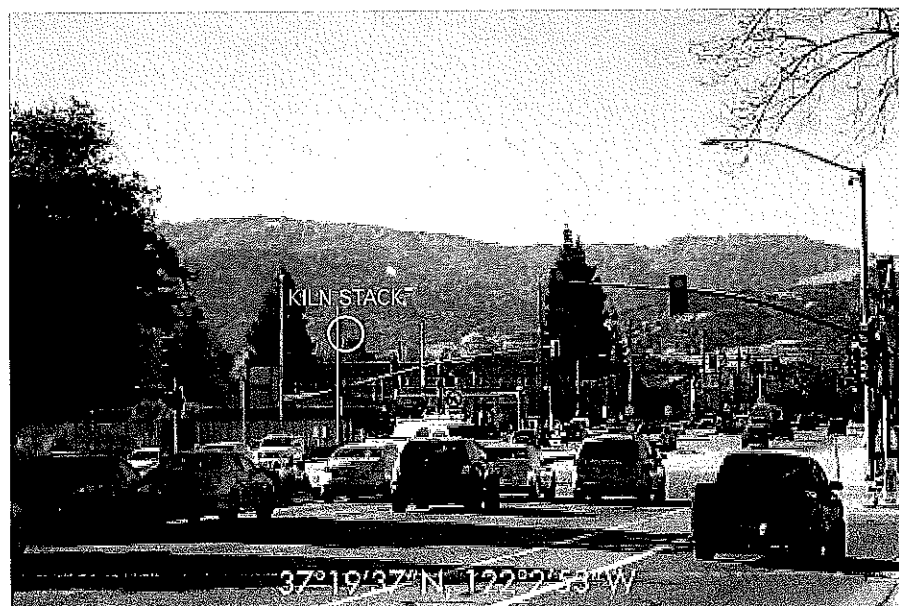
LEHIGH PERMANENTE PLANT
Cupertino, CA

001_LOCATION

Oaks Shopping Center, Stevens Creek Blvd & Mary Ave



Existing Condition



After Cooler and Kiln Stacks

002_LOCATION

Parking Structure at De Anza College



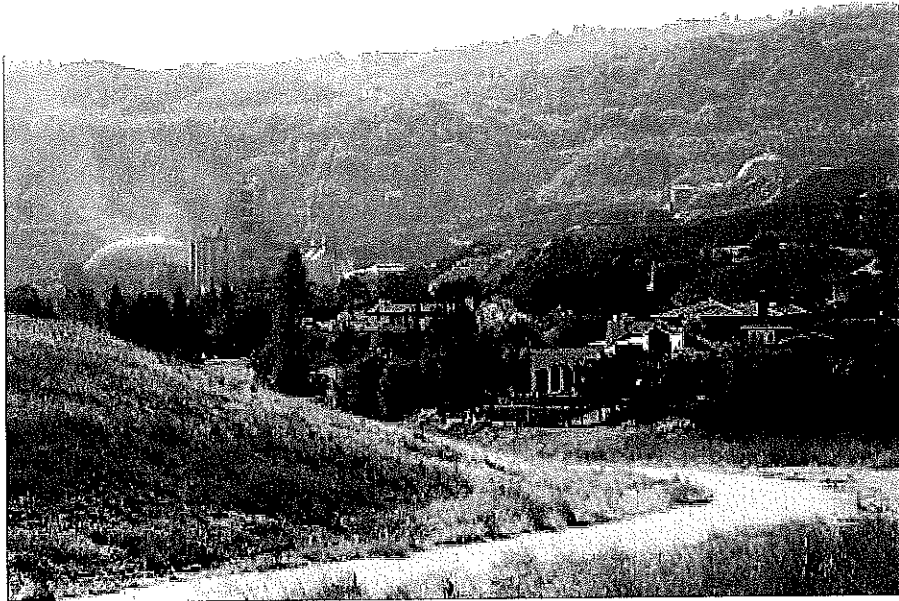
Existing Condition



After Cooler and Kiln Stacks

003_LOCATION

Cristo Rey Dr & Cristo Rey Pl



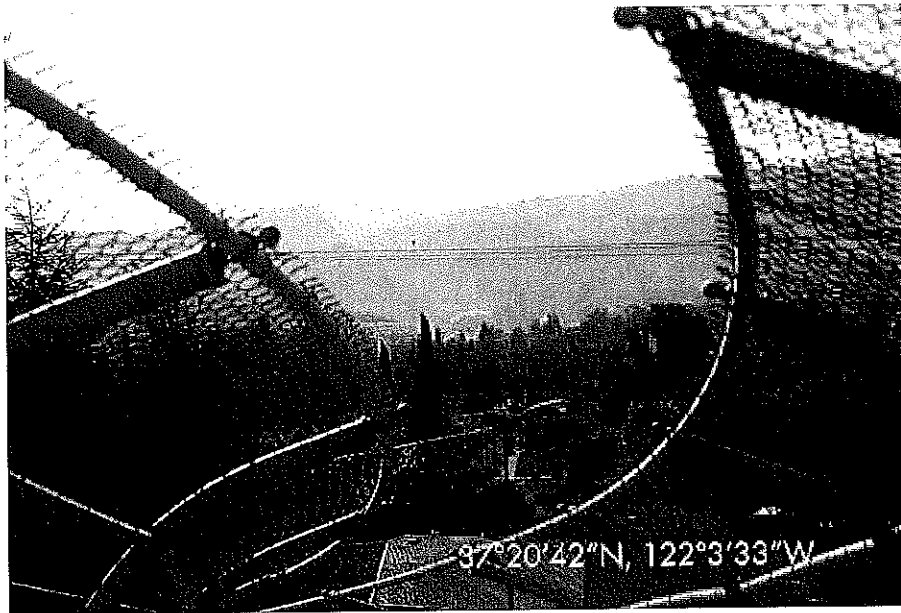
Existing Condition



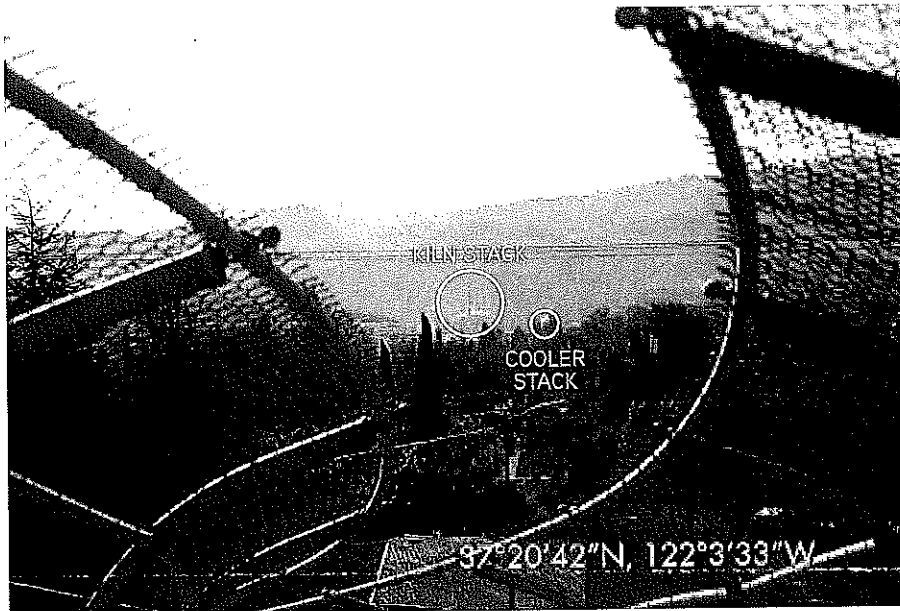
After Cooler and Kiln Stacks

004_LOCATION

Pedestrian Bridge on CA-85 at The Dalles Ave



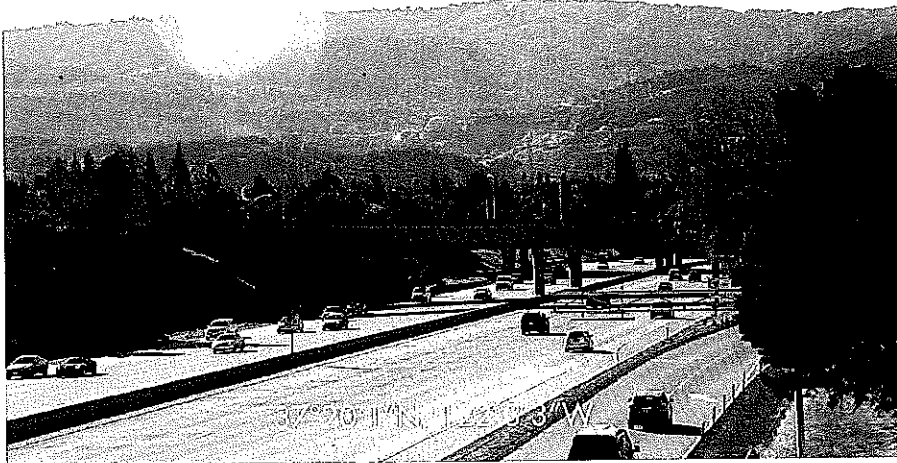
Existing Condition



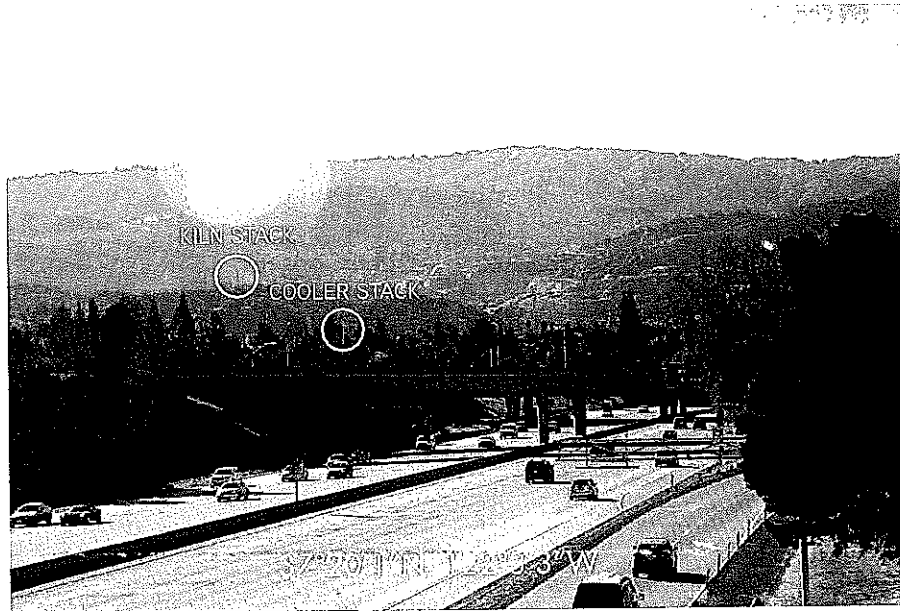
After Cooler and Kiln Stacks

005_LOCATION

The Don Burnett Bicycle Pedestrian Bridge on I-280



Existing Condition



After Cooler and Kiln Stacks



Mail Processing Center
 Federal Aviation Administration
 Southwest Regional Office
 Obstruction Evaluation Group
 2601 Meacham Boulevard
 Fort Worth, TX 76193

Aeronautical Study No.
 2014-AWP-869-OE

EXHIBIT F

Issued Date: 03/21/2014

Marcelo Barajas
 Lehigh Southwest Cement Company
 12667 Alcosta Blvd. Suite #400
 San Ramon, CA 94583

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77; concerning:

Structure: Stack - Kiln Vent
 Location: Cupertino, CA
 Latitude: 37-18-57.59N NAD 83
 Longitude: 122-05-25.97W
 Heights: 661 feet site elevation (SE)
 295 feet above ground level (AGL)
 956 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, red lights - Chapters 4,5(Red),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part 1)
- Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

This determination expires on 09/21/2015 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (310) 725-6558. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2014-AWP-869-OE.

Signature Control No: 207986982-211541778
LaDonna James
Technician

(DNE)

Attachment(s)
Map(s)