SCA

ENVIRONMENTAL, INC.

July 18, 2017

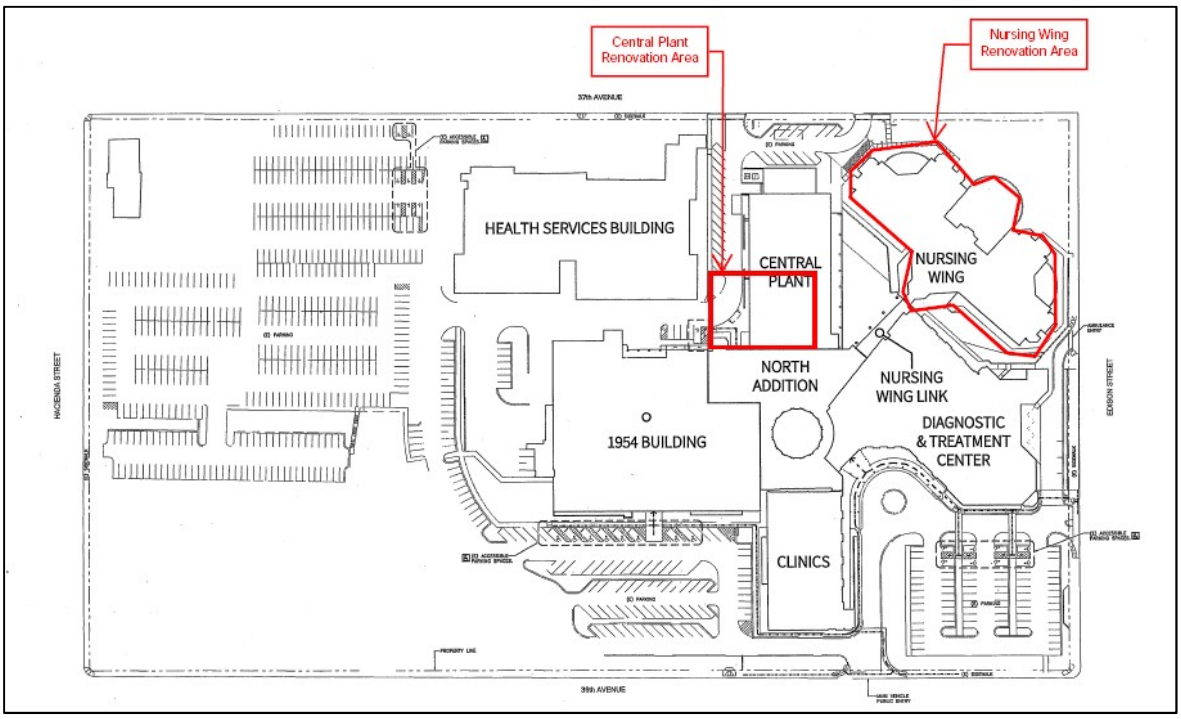
Paul Hundal, PE, LEED Green Associate
Capital Project Manager
Project Development Unit
1402 Maple Street
Redwood City, CA 94063
email: ahundal@smcgov.org

Exhibit 17- Hazardous Materials Testing Survey Report dated July 18 2017

RE: Limited Hazardous Materials Testing
222 W. 39th Avenue, San Mateo, CA
SCA Project No.: F12437

Dear Mr. Hundal:

This letter reports the results of a limited, non-destructive hazardous materials survey conducted at the above-referenced site, which is being planned for renovations. The San Mateo Medical Center campus includes a total of 7 separate buildings. The Scope of work for this survey pertained to portions of the Central Plant and Nursing Wing, outlined in the figure below. The Nursing Wing (constructed in year 1998 and occupied in year 2000) is a four-story building located at intersection of 37th Ave and Edison Street in San Mateo, CA. The Central Plant (constructed in year 1994) is single-story building located on 37th Ave, San Mateo, CA. Please note that this limited survey only included the first floor of the Nursing Wing and selective areas inside of the Central Plant.



The County of San Mateo plans to completely renovate approximately 20,000 SF of the Nursing Wing Ground Floor to house following essential functions:

- Kitchen and cafeteria
- New Food Service Loading Dock
- Hospital Security
- Physical Therapy
- Medical Records
- County PBx Operator

The Central Plant administration/office area (approx. 3,300 SF) will be renovated to house the San Mateo Medical Center new loading/receiving dock functions.

This survey report only pertains to the areas listed above and outlined in the above figure. It is important to note that there may be hazardous materials throughout the rest of these buildings and other structures, which were not included in this scope of work.

SCA was tasked with the following:

1. Limited, non-destructive asbestos sampling was performed for the subject areas prior to renovation. SCA was provided access to both buildings which were occupied or in usage at the time of the survey. As a result, various items had to be assumed asbestos-containing that would require destructive testing. Materials that could not be sampled without destructive means, such as flex joints for HVAC system and roofing materials are listed as assumed asbestos in this report.
2. Collection of one soil sample each at the location of the nursing loading dock and at the Central Plant Loading Dock between 2-3 feet below ground surface (bgs), the anticipated depth of excavation. This sample was collected and analyzed for asbestos contents by the CARB 435 Method. This sample was collected in accordance with the California Air Resources Board (CARB) regulations on Naturally Occurring Asbestos (NOA), as well as California Division of Occupational Safety and Health (CalDOSH, commonly called CalOSHA) Asbestos in Construction regulations (8CCR1529). Note that sampling of other areas of the site for NOA soils was excluded from the scope of work.
3. Visual identification and quantification of mercury-containing lighting tubes.
4. As CalOSHA regulates lead in any detectable concentrations, representative sampling for lead in paints within the renovation areas was performed.
5. Because the buildings were constructed circa 1995, sampling of building materials for PCBs was not performed as part of this project. PCBs were banned in 1978 from manufactured products.

All non-destructive sampling was conducted on June 28, 2017 by Dan Leung, CIH, CSP, CAC #07-4175, CDPH of SCA Environmental, Inc. (SCA). The following sections summarize the results of the limited sampling.

Asbestos

Sampling activities were conducted per Federal AHERA regulations (40 CFR Part 763). Samples of suspect materials were collected following the AHERA sampling protocols, and sample locations were documented on field diagrams (Attachment B). Under these procedures, the first sample is analyzed:

- If it tests positive for asbestos (>1%), the material is considered asbestos, the analysis is suspended for further samples of that material.
- If the first sample tests only trace positive (between 0.1 to 1%), or negative, however, the second and/or third samples are analyzed sequentially, in order to determine the possible presence of asbestos.
- If all samples test negative, the material is considered as non-asbestos.
- If one or more samples test only "trace" positive (<1%), the material is considered to be trace positive. This trace designation should be confirmed by point counting prior to disturbance.
- Certain non-homogenous materials, multiple samples would be gathered at various points in the building, with all samples analyzed to determine the possible presence of asbestos.

All samples collected were submitted to Reservoirs Environmental, Inc. (REI Labs) for analysis by polarized light microscopy with dispersion staining (DS/PLM). REI is a American Industrial Hygiene Association (AIHA) and National Voluntary Laboratory Accreditation Program (NVLAP)-accredited facility.

SCA has entered the sampling data into **Table 1: Materials Matrix Report (MMR)** which shows detailed sample results, locations, and quantity estimates. Materials designated as AAA are assumed to contain asbestos and require destructive testing to confirm their asbestos contents. Sample locations are included on the sample location diagrams in Attachment A and Laboratory results in Attachment B. Note the following:

1. The MMR (Table 1 in Attachment A) lists positive, trace positive, assumed and negative materials, the locations where each material is present, and the quantity estimates in each location. No building materials were found to contain asbestos, although soils at the site were found to contain tract amounts of asbestos.

Sample ID	Asbestos Content (%)	Quantity	Description
SOIL-34	0.50	700 SF, 78 cubic yards*	Soil/ gravel (ND) below concrete walkway outside the Central Plant with asbestos containing debris
SOIL-24	<0.08	700 SF, 78 cubic yards*	Soil/ gravel (ND) below concrete walkway outside Nursing Wing with trace asbestos containing debris

* The overall areas where the samples were collected were 700 SF each. The samples were collected at a depth of 2-3 feet bgs. Assuming 3 feet of soil requiring removal, 78 cubic yards of material would be removed from each area.

2. Any suspect material not sampled due to inaccessibility or requiring destructive testing listed as assumed (AAA) in the MMR. The following items are assumed asbestos, pending additional "destructive testing":

Assumed Asbestos Containing Materials	Locations (Sample ID)
Flex connectors between HVAC ducts	Assumed present throughout the Nursing Wing and boiler/chiller rooms of the Central Plant (FLEX-AAA)
Tar and gravel roofing	Present throughout the roofs of both the Nursing Wing and Central Plant (RFAG-AAA)
Gray rolled roofing felts with black tars/mastics on parapets and curbs (skylights and vents)	Present throughout the roofs of both the Nursing Wing and Central Plant (RFROLL-AAA)
Roofing penetration tars and mastics	Present throughout the roofs of both the Nursing Wing and Central Plant (PENMAS-AAA)

Assumed Asbestos Containing Materials	Locations (Sample ID)
Gray caulking around skylights	Present throughout the roofs of both the Nursing Wing and Central Plant (CAULK-AAA)
Bare concrete floors	Present throughout both the Nursing Wing and the Central Plant (FLOOR-AAA)

3. Although no naturally-occurring asbestos was identified in the soil samples, both soil samples collected and analyzed showed manufactured debris with asbestos content ranging from trace (<0.08%) to 0.50%. Because these debris are manufactured materials and not naturally-occurring asbestos, a DOSH registered abatement contractor would be required to remove this material, if the amount disturbed is over 100 SF.

SCA assumes that in the future, this survey report may be referenced by Demolition and Abatement Contractors providing bids for abatement of materials at the surveyed site. SCA requests that this text portion of the report be provided to bidding contractors for review: Bidding Contractors are hereby notified that the quantities included herein are estimates only, and all quantities shall be field verified by the Contractor for any budgeting, planning or bidding decisions.

Lead

SCA performed limited bulk lead sampling of representative coatings on interior and exterior surfaces of the buildings to confirm the presence and extent of lead-containing paints. Samples were analyzed by McCampbell Analytical, Inc. (McCampbell) in Pittsburg, CA.

The MMR (Table 1) shows detailed lead sample results and locations of the sampled materials. Sample locations are included on the sample location diagrams in Attachment A and laboratory reports in Attachment C.

1. Lead concentrations for paints ranged from 2.8 parts per million (ppm) to 4.5 ppm. These paints are considered lead containing paints under the CalOSHA regulations.
2. Lead is assumed present (>1000 ppm) on any ceramic tile glazing associated with the buildings.

None of the applicable regulations require removal of lead paint prior to demolition if the paints are securely adhered to the substrates (i.e., non-flaking or non-peeling). Disposal of the demolition debris in this case can be handled as non-hazardous and non-RCRA waste after the loose and flaking paint have been removed, as long as demolition practices do not compromise worker safety and waste stream characterization testing has been performed by the Contractor on the entire waste stream for verification that the lead contents are below the 1,000 ppm (TTLC) and 5 mg/L (STLC) standards. Vinyl flooring and ceramic tiles with results greater than or equal to 50 ppm should be further analyzed by the contractor by the Waste Extraction Test (WET) and Toxicity characteristic leaching procedure (TCLP) to determine if disposal as hazardous waste is required.

Conventional demolition techniques should be employed for all painted surfaces with the Contractor complying with applicable OSHA and Cal/OSHA statutes regarding:

- Worker awareness training;
- Exposure monitoring, as needed;
- Medical examinations, which may include blood lead level testing; and
- Establishing a written respiratory protection program.

As lead was identified in most paints and a detailed inventory of paints was not performed for the project, for the purpose of complying with the Cal/OSHA lead in construction regulation (8 CCR 1532.1), all coated surfaces shall be considered to contain some lead and require demolition dust control procedures and presumed respiratory protection usage for compliance with Cal/OSHA's Construction Lead Standard under 8 CCR 1532.1. The aforementioned regulation contains requirements for lead air monitoring, work practices, respiratory protection, etc., that are triggered by the presence of any detected levels of lead.

Mercury-Containing Items

SCA quantified mercury-containing, fluorescent lighting fixtures in various locations throughout the buildings.

Quantities and locations of mercury containing fluorescent tubes are listed in Table 1t. Note the following regarding mercury-containing fixtures:

1. Mercury-containing fluorescent tubes were identified in various areas. Fluorescent light tubes are required to be either disposed of as hazardous material, or recycled for their mercury contents. Note that costs for fluorescent tube disposal do not tend to be significant compared to overall abatement costs.

If you have any questions or would like more information, please contact us.

Sincerely,
SCA ENVIRONMENTAL, INC.

Christina Codemo, CHMM, REPA, CAC
Senior Consultant/Principal
415-867-9540
ccodemo@sca-enviro.com

Dan Leung, CIH, CSP, CAC, CDPH
Certified Industrial Hygienist
415-867-9544
deleung@sca-enviro.com

Appendices:

Appendix A: Sample Location Drawings
Appendix B: Asbestos Laboratory Reports
Appendix C: Lead Laboratory Reports

Table 1: Materials Matrix Report- Limited Survey @ 222 West 39th Avenue, San Mateo, Nursing Wing (1st Floor) and Central Plant (Limited to Areas Listed)

Material ID	Material Description	Sub-sample # A	B	C	D	Asbestos Positive? Yes. No. Trace. Assumed	UNITS (LF, SF, EA)	Nursing Wing-1st Floor (all other areas not included in survey)* Elect Rm	Mech Rm	Hallway	SE Offices	SW Offices	Dining Rm	W Offies	NW Offices	E Offices	NE Offices	Central Plant (limited areas-all other areas not included in survey)* SE Offices	Hallway	SW Offices	Shop	Stor	N Office	Boiler Rm	Chiller Rm	Roof	Exterior	TOTAL (+/- 15%)
ASBESTOS																												
SOIL-34	Soi/Gravel (ND) below concrete walkway with asbestos-containing debris (0.50	0.5% CH				**Trace**	SF																				700****	700****
SOIL-24	Soi/Gravel (ND) below concrete walkway with trace (<0.08%) asbestos-containing deb	<0.08% CH					SF																				700****	700****
ASSUMED ASBESTOS (Destructive Testing Required to Confirm)																												
FLEX-AAA***	Flex connectors between HVAC ducts (not observed, but assumed to be preser						EA	2	2	10	15	15	2	10	15	10	15	5						PNQ	PNQ			101
RFAG-AAA***	Tar and gravel roofin						SF																			PNQ		PNQ
RFROLL-AAA***	Gray rolled roofing felts w/black tars/mastic on parapets and curbs (skylights & ver					**Assumed**	SF																			PNQ		PNQ
PENMAS-AAA***	Roofing penetration tars/masti						LF																			PNQ		PNQ
CAULK-AAA***	Gray caulking around skylight						LF																			PNQ		PNQ
FLOORS-AAA	Bare concrete**						SF	750	450		200	200		100		100					1500	1250	145	PNQ	PNQ			4695
NON-ASBESTOS																												
WLSH-1	Wall sheetrock w/tape and joint compoun	ND					SF	800	650	3150	3450	2000	1750	5600	7050			1900		2500								28850
BBMAS-2	4" Tan vinyl baseboard w/off-white glu	ND					LF	55		315	475	200	175	435	705			190	55	150	210	150	50	PNQ	PNQ			3165
STSFP-3	Gray sprayed-on structural fireproofing on beams, columns and decks	ND					SF	1800	1500		1500	1200	1300	3500	x													10800
CAULK-4	Gray caulking around seams of sheetmetal HVAC duc	ND					LF	15			30										180	120						345
CAULK-5	Red/black firecaulk around conduits, piping, bean	ND					LF	15	15	350	350	350	50	350	350	350	350				250	200						2980
12FLVCT/M-6	12"x12" Off-white w/gray streaks vinyl floor tile w/yellow gl	ND					SF			1700		360		100	325	1605	1470			125								5685
PI-7	Fiberglass insulation w/paper jacket on chilled water/heating hot water and domestic hot/cold water pi	ND					LF		250	750	125	150	75	150	450	150	450	100		125	230	200	60			PNQ		3265
HDUTP-8	Off-white duct tape around seams of HVAC duc	ND					LF		15	750	125	180	75	300	500	300	500	50		75	125	100		PNQ	PNQ			3095
CARMAS-9	Gray/yellow carpet glue under various colored carpe	ND					SF				490	200	1300		220			500										2710
CLLI-10	2'x4' Off-white laid-in ceiling tile w/pinholes and fissur	ND					SF			2110	490	560	1365	440	1900		1900			500								9265
HVAC-11	Fiberglass insulation w/foil jacket on HVAC duc	ND					LF			750	125	180	75	300	500	300	500											2730
FORMICA-12	Gray w/specks formica counter top w/yellow glu	ND					SF					40	60	15	140	15	140			40								450
12FLVCT/M-13	12"x12" Green w/white streaks vinyl floor tile w/yellow gl	ND					SF					180																180
12FLVCT/M-14	12"x12" Beige w/brown streaks vinyl floor tile w/yellow gl	ND					SF			1590				1605	1470		1080											5745
SINK-15	Stainless steel sink w/black undercoatin	ND					EA						1		4		4			1								10
FLCER-16	2"x2" Gray w/white specks ceramic floor tile w/yellow glue and gray gr	ND				**No**	SF							325	80	325	80			355								1165
WLCER-17	gray glue and off-white grout associated with 4"x4" Beige/white ceramic wall	ND					SF							830	390	830	390			1000								3440
CLSH-18	Ceiling sheetrock w/tape and joint compoun	ND					SF				65			1635	1675	2075	1675			355								7480
FLVCS-19	Light gray w/blue and red specks vinyl floor sheeting w/gray and yellow g	ND					SF							150	405	150	405											1110
WLMAS-20	Off-white fiberglass-reinforced panels/beige foam wall panels w/yellow gl	ND					SF							80	760	80	760											1680
CLGL-21	12'x12" Off-white glued-on ceiling tiles w/pinholes and yellow gl	ND					SF							220			220											440
12FLVCT/M-22	12"x12" Blue w/gray streaks vinyl floor tile w/yellow gl	ND					SF			520					1080													1600
CONC-23	Gray concrete walkwa	ND					SF																				1400	1400
FL-25	24"x24" Raised flooring panels w/yellow glue under suppo	ND					SF											530										530
CLLI-26	2'x4' Off-white laid-in ceiling tile w/pinhole	ND					SF											690	320	625								1635
12FLVCT/M-27	12"x12" Gray w/black specks vinyl floor tile w/yellow gl	ND					SF												160									160
WLSH-28	Wall sheetrock w/tape, joint compound and textu	ND					SF												1100		4550	3000	650	PNQ	PNQ			9300
CLSH-29	Ceiling sheetrock w/tape, joint compound and textu	ND					SF																145					145
CONC-30	Gray concrete walkwa	ND					SF																				1400	1400
STUCCO-31	Red exterior stucc	ND					SF																				PNQ	PNQ
WLCER-32	Red grout & mortar associated with 8"x8" Red ceramic wall t	ND					SF																				PNQ	PNQ
CAULK-33	Red caulking along bottom of ceramic tiles, stucco and around door fran	ND					LF																				1500	1500
FIREDOOR-NNN	Firedoors (20-min rated, hollow doors					**Not Suspect**	EA	3	1	12	9	3	5	18	35	18	35											139
LEAD						**PPM**																						
OW-1	Off-white paint on walls and ceiling					4.5	SF	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ			PNQ
RD-2	Red exterior stucc					2.8	SF																				PNQ	PNQ
Lead in paints	Lead Containing Paints / Coatings (assumed >1000ppn					Assumed, >1000	SF	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ		PNQ
Lead on steel	Lead Containing Coatings on Structural Steel (assumed >1000ppr					Assumed, >1000	SF	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ			PNQ
Other Hazardous Materials																												
Mercury	Fluorescent Light Tube						EA	18	10	120	22	14	24	60	86	60	86	22	4	28	60	20	4	PNQ	PNQ			638

Notes:

*-Survey limited to areas slated for renovation as depicted on Sample Location Diagrams. All other areas were excluded from the sampling. All materials in these other areas should be assumed asbestos-containing until sampling can be performed to determine asbestos content

**-Not sampled per Client. No impacts planned for Concrete floors in Nursing Wing.

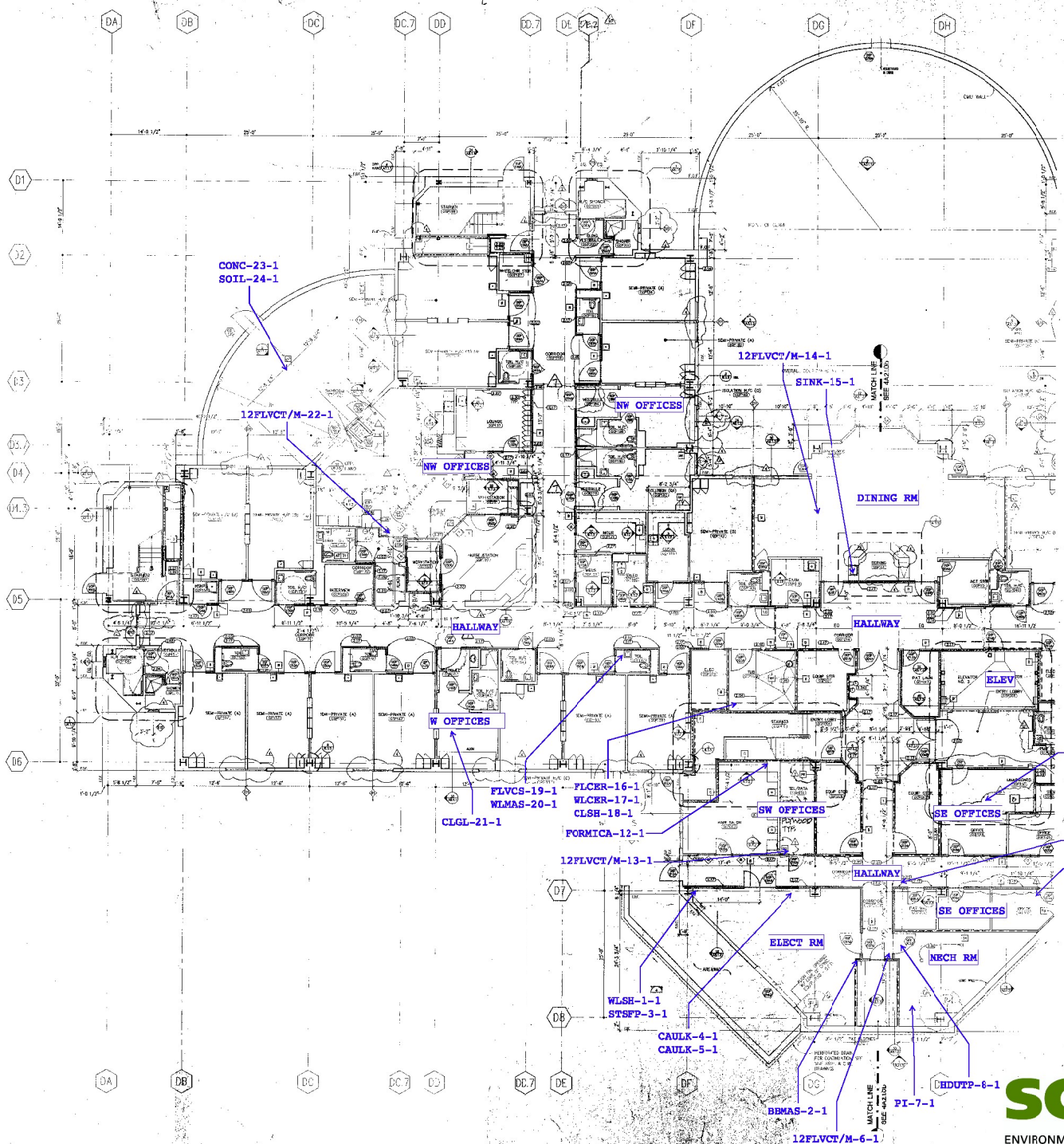
***-Not sampled per Client. Renovations to be scheduled for 2019. Mr. Paul Hundal from SM Co. requested no sampling to avoid leaks prior to renovation.

****-Soil quantities are typicall reported in cubic yards. Sample collected at 2-3 feet below ground surface because the top 3 feet are estimated to be disturbed. The total volume for each soil area is 78 cubic yards in each area.

PNQ = Present, not quantified; CH = Chrysotile; ND = Not detected; NA = Not analyzed

Appendix A

Sample Location Drawings



SHEET NOTES

1. SEE FIRE PROTECTION PLANS TO COORDINATE FIRE RATED CONSTRUCTION.
2. INTERIOR PARTITIONS ARE TYPE A UNLESS OTHERWISE SHOWN. SEE DWG. A0.1.0 FOR PARTITION TYPES.
3. SEE DWG. A5.0.1 FOR STANDARD LOCATIONS AND MOUNTING HEIGHTS OF FIXTURES, EQUIPMENT AND ACCESSORIES.
4. SEE DETAIL 8 / A9.1.7 FOR TYPICAL FURRING AROUND INTERIOR COLUMNS.
5. VERIFY REQUIRED CLEARANCE OF ALL PRE-MANUFACTURED ITEMS PRIOR TO FRAMING.
6. NOT USED.
7. DIMENSION LINES SHOW FACE OF STUD, J.O.N.
8. FOR ROOM FINISHES SEE FINISH PLANS.
9. REFER TO 4-SERIES DRAWINGS FOR ENLARGED PLANS.
10. SEE NORTH ADDITION DRAWINGS FOR SEISMIC JOINT DETAILS @ LINE C1.
11. FOR BACKING PLATES & ANCHORAGE DETAILS FOR EQUIPMENT, SEE EQUIPMENT SCHEDULE IN SPECIFICATIONS.
12. NURSING WING ONLY: FOR PATIENT ROOM ENLARGED PLANS SEE A4.3.1 THRU A4.1.4. ROOM TAGS IDENTIFY PATIENT ROOM TYPES - I.E., 1 DENOTES PATIENT ROOM TYPE "A".
13. ELEVATIONS NOTED AT TOP OF CONCRETE.
14. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR EQUIPMENT PAD REQUIREMENTS.

FIRE RATED TAPES

- 1 HOUR AREA SEPARATION (45 MIN. DOOR)
- 1 HOUR OCCUPANCY SEPARATION (20 MIN. DOOR)
- 1 HOUR CORRIDOR (20 MIN. DOOR)
- 1 HOUR SMOKE COMPARTMENT (20 MIN. DOOR)
- 2 HOUR CONSTRUCTION (1-1/2 HOUR DOOR)
- 2 HOUR AREA SEPARATION (1-1/2 HOUR DOOR)
- 2 HOUR OCCUPANCY SEPARATION (1-1/2 HOUR DOOR)
- 4 HOUR AREA SEPARATION (3 HOUR DOOR)

KEY NOTES

- 2.01 FLOORING CHANGE
- 2.02 NOT USED
- 2.03 CORNER GUARD SEE DETAIL 26 / A5.0.1
- 2.04 RECESS FLOOR SLAB
- 2.05 RECESSED SLAB @ HANDICAPPED SHOWER
- 2.06 EDGE OF CONCRETE SLAB
- 2.07 GUARD RAIL
- 2.08 ADJUSTABLE SHELVING - FUEL HEIGHT
- 2.09 2-1/4" GROMMET @ 2'-0" O.C. - LENGTH OF COUNTER
- 2.10 SKYLIGHT
- 2.11 LADDER
- 2.12 COILING DOOR
- 2.13 COLUMN COVER
- 2.14 ALIGN FACE OF FINISH
- 2.15 LINE OF SOFFIT ABOVE
- 2.16 FIRE EXTINGUISHER CABINET, REFER TO 25 / A5.0.1 FOR HEIGHTS
- 2.17 BUMPER GUARD/HANDRAIL THIS WALL SEE 28 / A5.0.1
- 2.18 OPERABLE PARTITION
- 2.19 RECESSED FLOOR MAT
- 2.20 SEISMIC JOINT
- 2.21 LINE OF FLOOR ABOVE
- 2.22 FIRE VALVE ASSEMBLY
- 2.23 STANDPIPE
- 2.24 ELECTRIC WATER COOLER, REFER TO 24 / A5.0.1
- 2.25 FLOOR DRAIN- SEE PLUMBING DWGS.
- 2.26 FIRE CONTROL PANEL
- 2.27 MARKER BOARD SUPPORT RAIL
- 2.28 PUBLIC TELEPHONE, N.I.C., REFER TO 9 / A5.0.1
- 2.29 PUBLIC TELEPHONE W/TDD ADAPTER, N.I.C., REFER TO 9 / A5.0.1
- 2.30 LOCKERS
- 2.31 PAPER TOWEL DISPENSER/RECEPTACLE (PTD/R)
- 2.32 PNEUMATIC TUBE STATION, (N.I.C.) COORDINATE REQUIREMENTS WITH OWNER'S VENDOR CONCRETE PAD
- 2.33 SECURITY SCREEN IN STEEL WINDOW FRAME
- 2.35 MIRRORED WALL
- 2.36 FLOOR SINK - SEE PLUMBING DRAWINGS

The Ratcliff Architects
5858 Doyle Street
Emeryville, CA 94608
Mail: P.O. Box 1022
Berkeley, CA 94701
Tel: (510) 652-1972
Fax: (510) 655-6654

Structural Engineer
DASSE Design Inc.
33 New Montgomery Street, Suite 880
San Francisco, CA 94105
Tel: (415) 243-8406
Fax (415) 243-9165

Mechanical/Electrical/Plumbing
Ted Jacob Engineering Group, Inc.
1763 Broadway
Oakland, CA 94612
Tel: (510) 763-4860
Fax: (510) 763-5099

Civil Engineer
Sandis Humber Jones
605 Fourth Street
Mountain View, CA 94041-2011
Tel: (415) 969-6580
Fax: (415) 905-5473

Landscape Architect
Oml Lang Associates Inc.
70 Lomita Drive
Mill Valley, CA 94941
Tel: (415) 380-8632
Fax: (415) 389-6011

Color/Fire Consultant
Schirmer Engineering Corporation
2323 Clayton Road
Concord, CA 94520-2104
Tel: (510) 827-2058
Fax: (510) 827-6597

No.	Date	Revision	By
1	10/20/95	ADDENDUM NO. 1	
2	10/30/95	ADDENDUM NO. 2	
3	04/22/96	ADDENDUM NO. 5	
4	12/16/96	RFI FOR REQUEST NO. 2	
5	5/29/97	RFI FOR REQUEST NO. 4	

This Document Has Been Reviewed In Accordance With The Requirements Of Title 24 C.C.R. Office of Statewide Health Planning and Development.
Reviewer Date

OSHPD NOS:
NURSING WING: HS930434-41
County NO.: 570A-0031239
The Ratcliff Architects Project No.: 92031

SAN MATEO COUNTY HEALTH CENTER
NURSING WING

Drawing
GROUND FLOOR PLAN AREA A

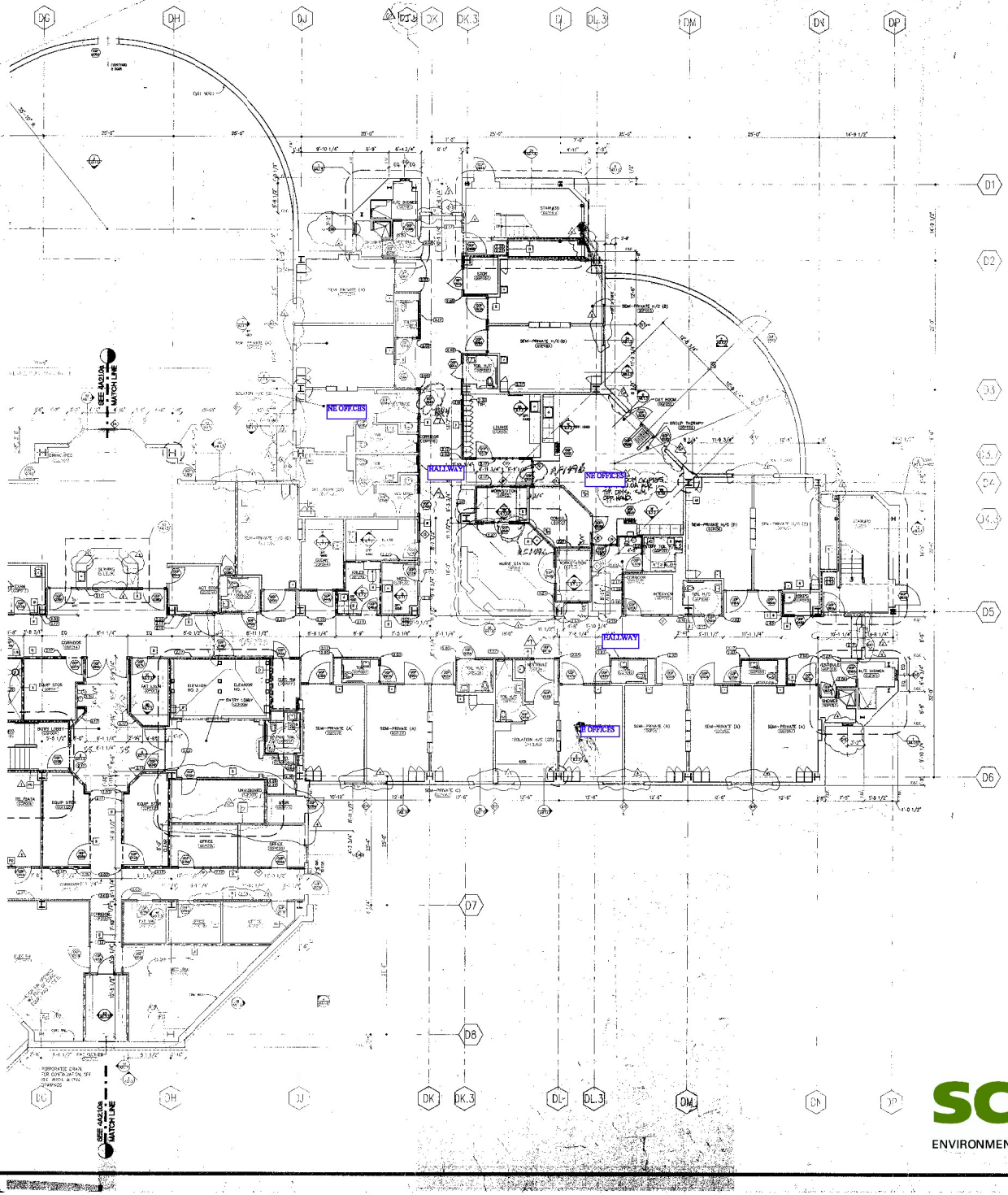
Scale: 1/8"=1'-0" Drawn: MAS Checked: JVP

Drawing No.
4A2.1.0a

Date: 28 JUNE 1995

Figure 1. Sample Location Diagram
San Mateo Medical Center
Nursing Wing, Ground Floor
SCA Proj.#: F-12437
June 28, 2017

SCA ENVIRONMENTAL, INC.



SHEET NOTES

1. SEE FIRE PROTECTION PLANS TO COORDINATE FIRE RATED CONSTRUCTION
2. INTERIOR PARTITIONS ARE TYPE A UNLESS OTHERWISE SHOWN. SEE DWG. A5.1.0 "OR PARTITION TYPES
3. SEE DWG. A5.0.1 FOR STANDARD CONDITIONS AND MOUNTING HEIGHTS OF FIXTURES, EQUIPMENT AND ACCESSORIES
4. SEE DETAIL 8/A9.1.2 FOR TYPICAL FURRING AROUND INTERIOR COLUMNS
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10. SEE NORTH ADDITION DRAWINGS FOR SEISMIC JOIN" DETAILS @ LINE C1.
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- 1 HOUR CORRIDOR (20 MIN. DOOR)
- 1 HOUR SMOKE COMPARTMENT (20 MIN. DOOR)
- 2 HOUR CONSTRUCTION (1-1/2 HOUR DOOR)
- 2 HOUR AREA SEPARATION (1-1/2 HOUR DOOR)
- 2 HOUR OCCUPANCY SEPARATION (1-1/2 HOUR DOOR)
- 2H 4H — 4 HOUR AREA SEPARATION (3 HOUR DOOR)

KEY NOTES

- 2.01 FLOORING CHANGE
- 2.02 NOT USED
- 2.03 CORNER GUARD SEE DETAIL 28/A5.0.1
- 2.04 RECESS FLOOR SLAB
- 2.05 RECESSED SLAB @ HANDICAPPED SHOWER
- 2.06 EDGE OF CONCRETE SLAB
- 2.07 GUARD RAIL
- 2.08 ADJUSTABLE SHELVING - FULL HEIGHT
- 2.09 2-1/4" GROMMET @ 2'-0" O.C. - LENGTH OF COUNTER
- 2.10 SKYLIGHT
- 2.11 LADDER
- 2.12 COILING DOOR
- 2.13 COLUMN COVER
- 2.14 ALIGN FACE OF FINISH
- 2.15 LINE OF SOFFIT ABOVE
- 2.16 FIRE EXTINGUISHER CABINET, REFER TO 25/A5.0.1 FOR HEIGHTS
- 2.17 BUMPER GUARD/HANDRAIL (HS WALL, SEE 25/A5.0.1)
- 2.18 OPERABLE PARTITION
- 2.19 RECESSED FLOOR MAT
- 2.20 SEISMIC JOINT
- 2.21 LINE OF FLOOR ABOVE
- 2.22 FIRE WALL ASSEMBLY
- 2.23 STANDPIPE
- 2.24 ELECTRIC WATER COOLER, REFER TO 24/A5.0.1
- 2.25 FLOOR DRAIN - SEE PLUMBING DWGS.
- 2.26 FIRE CONTROL PANEL
- 2.27 MARKER BOARD SUPPORT RAIL
- 2.28 PUBLIC TELEPHONE, N.I.C., REFER TO 9/A5.0.1
- 2.29 PUBLIC TELEPHONE W/TDD ADAPTER, N.I.C., REFER TO 9/A5.0.1
- 2.30 LOCKERS
- 2.31 PAPER TOWEL DISPENSER/RECEPTACLE (PTD/R)
- 2.32 PNEUMATIC TUBE STATION, (N.I.C.) COORDINATE REQUIREMENTS WITH OWNER'S VENDOR
- 2.33 CONCRETE PAD
- 2.34 SECURITY SCREEN IN STEEL WINDOW FRAME
- 2.35 MIRRORED WALL
- 2.36 FLOOR SINK - SEE PLUMBING DRAWINGS

The Ratcliff Architects
5850 Doyle Street
Emeryville, CA 94608
Mail: P.O. Box 1022
Berkeley, CA 94701
Tel: (510) 652-1972
Fax: (510) 655-6654
LICENSED ARCHITECT No. C-3153 Exp. Mar. 31, 1997 STATE OF CALIFORNIA

Structural Engineer
DASSE Design Inc.
33 New Montgomery Street, Suite 850
San Francisco, CA 94105
Tel: (415) 243-9400
Fax: (415) 243-9165

Mechanical/Electrical/Plumbing
Ted Jacob Engineering Group, Inc.
1763 Broadway
Oakland, CA 94612
Tel: (510) 763-4880
Fax: (510) 763-5599

Civil Engineer
Sandis Humber Jones
605 Castro Street
Mountain View, CA 94041-2011
Tel: (415) 966-9300
Fax: (415) 962-0472

Landscape Architect
Dini Lang Associates Inc.
70 Lomita Drive
Mill Valley, CA 94941
Tel: (415) 383-9128
Fax: (415) 389-1077

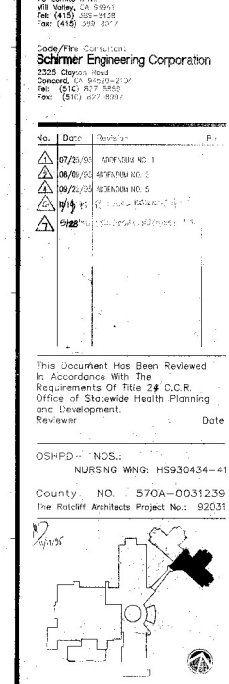
Code/Fire Consultant
Schirmer Engineering Corporation
2325 Clayton Road
Concord, CA 94520-2137
Tel: (510) 827-5865
Fax: (510) 827-8097

No.	Date	Revision	By
1	07/29/96	ADDENDUM NO. 1	
2	08/09/96	ADDENDUM NO. 2	
4	09/23/96	ADDENDUM NO. 5	
5	11/13/96	[illegible]	
7	01/22/97	[illegible]	

This Document Has Been Reviewed In Accordance With The Requirements Of Title 24 C.C.R. Office of Statewide Health Planning and Development.
Reviewer Date

OSHPD PROJECT NOS.:
NURSING WING: HS930434-41

County NO. 570A-0031239
The Ratcliff Architects Project No.: 92031



SAN MATEO COUNTY HEALTH CENTER
NURSING WING

Drawing
GROUND FLOOR PLAN AREA B

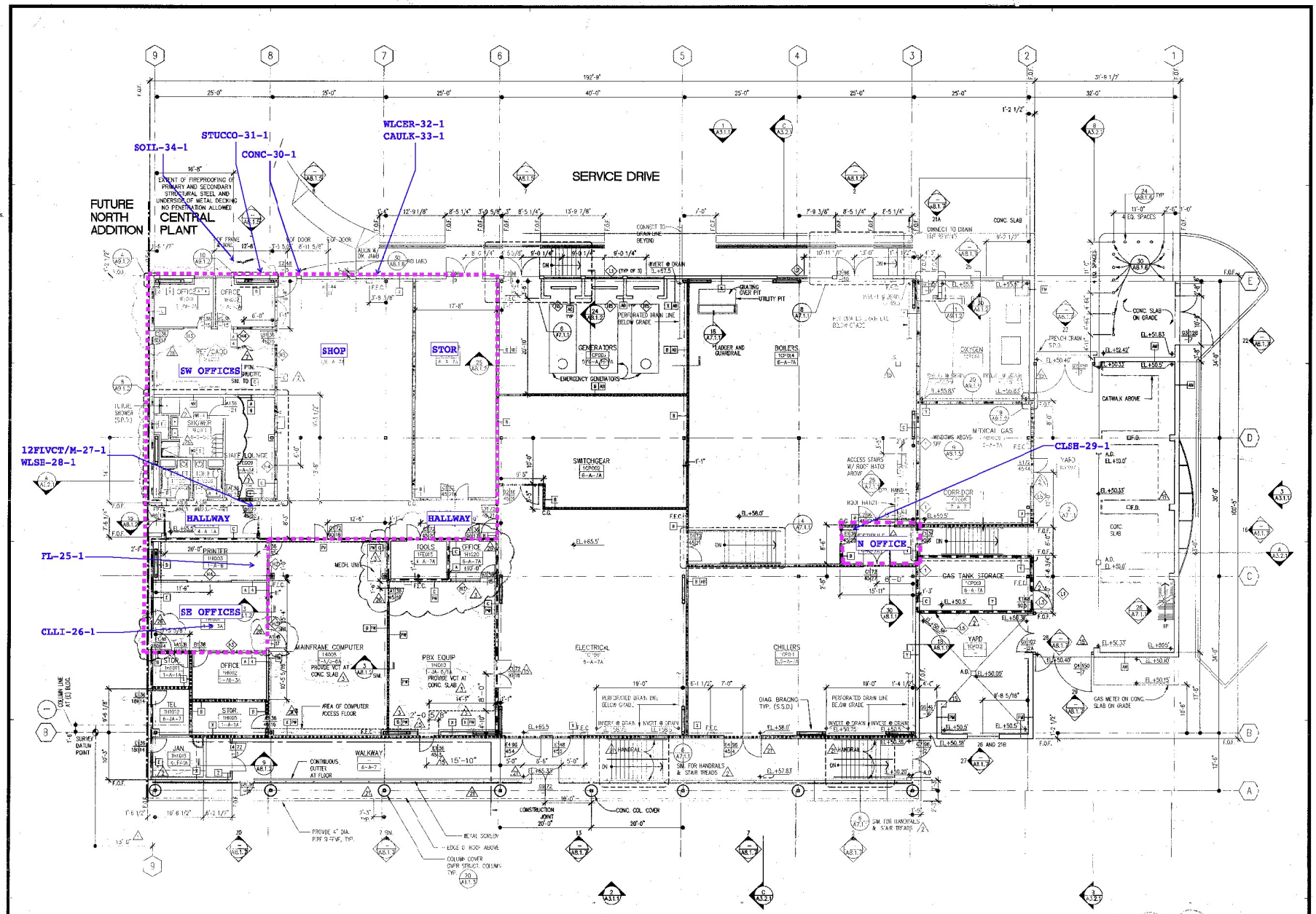
Scale: 1/8"=1'-0" Drawn: MAS Checked: JWT

Date: 26 JUNE 1995

Drawing No.: 4A2.1.0b

SCA ENVIRONMENTAL, INC.

Figure 2. Sample Location Diagram
San Mateo Medical Center
Nursing Wing, Ground Floor
SCA Proj.#: F-12437
June 28, 2017



FIRE RATED PARTITION TYPES

- 1 HOUR CONSTRUCTION (45 MIN. DOOR)
- 1 HOUR OCCUPANCY SEPARATION (60 MIN. DOOR)
- 1 HOUR CORRIDOR (20 MIN. DOOR)
- 1 HOUR SMOKE COMPARTMENT (20 MIN. DOOR)
- 2 HOUR CONSTRUCTION (1-1/2 HOUR DOOR)
- 4 HOUR CONSTRUCTION (3 HOUR DOOR)

GENERAL NOTES:

1. DIMENSIONS AT EXTERIOR TO MEASURE TO FACE OF FINISH, TYP. DIMENSIONS AT INTERIOR TO MEASURE TO FACE OF STUD, TYP.
2. WATERPROOF BELOW GRADE CONCRETE STEM WALLS AND RETAINING WALLS WITHIN BUILDING. SEE STRUCTURAL DRAWINGS FOR WALLS.
3. MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT AND ASSOCIATED CONCRETE HOUSEKEEPING OR ISOLATION PADS NOT SHOWN. SEE STRUCTURAL, MECHANICAL AND ELECTRICAL DWGS.
4. SEE DWG. A8.1.6 FOR PARTITION TYPES.
5. VERIFY CLEARANCES FOR ACCESSORIES, SPECIALTIES, AND EQUIPMENT SUCH AS SHOWER COMPARTMENT.

FINISH SCHEDULE

Ceiling	Wall	Floor	Base
1. Acous. Board 2x4	A. Paint	1. V.C.T.	A. Resil.
2. Acous. Board 2x2	B. Acous. Covering	2. Resil. Sheet	B. Cove
3. Acous. Tile 1x1	C. Wall Covering	3. Carpet	C. Carpet
4. Gyp. Board	D. Wood	4. Carpet Tile	D. Ceramic Tile
5. Acous. Panel	E. Conc.	5. Ceramic Tile	
6. Exposed	F. Wainscot C.T.	6. Access Floor	
7. Cement Plas.	G. C.T.	7. Conc., Sealed	
	H. Acous. Panel		
	J. Ply Wd.		
	K. C.M.U.		

NOTE: SEE SHT. A2.1.1a FOR DETAIL OF ADDENDUMS 2 AND 3 SKETCHES, ALSO FOR DETAIL OF P.R. 2/I.B. 2, P.R. 10/I.B.8, P.R. 26/I.B. 38, AND P.R. 16/I.B. 16 SKETCHES.

NOMINAL

Limit of Survey Area

SCA ENVIRONMENTAL, INC.

Figure 3. Sample Location Diagram
San Mateo Medical Center
Central Plant, First Floor
SCA Proj.#: F-12437
June 28, 2017

The Ratcliff Architects
5856 Doyle Street
Emeryville, CA 94608
Mail: P.O. Box 1022
Berkeley, CA 94701
Tel: (510) 652-1972
Fax: (510) 655-6654

Structural Engineer
DASSE Design Inc.
33 New Montgomery Street, Suite 850
San Francisco, CA 94105
Tel: (415) 243-8400
Fax: (415) 243-9165

Mechanical/Electrical/Plumbing
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Tel: (415) 969-6300
Fax: (415) 969-6472

Landscape Architect
Omi Lang Associates Inc.
2566 California Street
San Francisco, CA 94115
Tel: (415) 922-6104
Fax: (415) 922-1685

Code/Fire Consultant
Schirmer Engineering Corporation
2325 Clayton Road
Concord, CA 94520-2104
Tel: (510) 827-5858
Fax: (510) 827-9991

No:	Date	Revision	Sy
2	23 DEC 93	Addendum No. 2	
3	6 JAN 94	Addendum No. 3	
7	31 MAY 94	PR No. 02/ I.B. No. 32	
10	14 JUL 94	PR #10/ I.B. # 8	
26	5-19-95	PR #26/ I.B. # 38	
16	10-11-94	PR #16/ I.B. # 16	

RECORD DRAWINGS

This Document Has Been Reviewed In Accordance With The Requirements Of Title 24 C.C.R. Office of Statewide Health Planning and Development.
Reviewer Date

OSHPD NO. HS920974-41
County NO. 570A-0031239
The Ratcliff Architects Project No.: 92031

Architectural/Engineering Stamp

SAN MATEO COUNTY HEALTH CENTER

Building
CENTRAL PLANT

Drawing
FIRST FLOOR PLAN

Scale: 1/8"=1'-0" Drawn: BEA Checked: SWG

0 4 8 16 24

Drawing No.:

Date: 1 DECEMBER 1993

A2.1.1

Appendix B

Asbestos Laboratory Reports

REI LAB **Reservoirs Environmental, Inc.**

July 6, 2017

Subcontract Number:	**NA**
Laboratory Report:	**RES 383574-1**
Project # / P.O. #	**F12437**
Project Description:	**City of SM 222 W. 39th Ave., 222 W 39th Ave., San Mateo**

SCA Environmental, Inc.
650 Delancey St. Ste. 222
San Fransisco CA 94107

Dear Customer,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 101896-0 for Transmission Electron Microscopy (TEM) and Polarized Light Microscopy (PLM) analysis and the American Industrial Hygiene Association (AIHA), Lab ID 101533 - Accreditation Certificate #480 for Phase Contrast Microscopy (PCM) analysis. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

RES 383574-1 is the job number assigned to this study. This report is considered highly confidential and the sole property of the customer. Reservoirs Environmental, Inc. will not discuss any part of this study with personnel other than those of the client. The results described in this report only apply to the samples analyzed. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without written approval from Reservoirs Environmental, Inc. Samples will be disposed of after sixty days unless longer storage is requested. If you have any questions about this report, please feel free to call 303-964-1986.

Sincerely,

Elisa Mari
Elisa Mari for

Jeanne Spencer
President

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 383574-1**
Client: **SCA Environmental, Inc.**
Client Project Number / P.O.: **F12437**
Client Project Description: **City of SM 222 W. 39th Ave., 222 W 39th Ave., San Mateo**
Date Samples Received: **July 03, 2017**
Method: **EPA 600/R-93/116 - Short Report, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **July 06, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
WLSH1-1	EM 1889577	A	White tape	15		**ND**	99	1
		B	White compound w/ gray paint	15		**ND**	0	100
		C	White joint compound	20		**ND**	0	100
		D	Off white/tan drywall	50		**ND**	25	75
BBMAS-2-1	EM 1889578	A	Off white mastic	20		**ND**	0	100
		B	Tan cove base	80		**ND**	0	100
STSFP-3-1	EM 1889579	A	Gray fireproofing	100		**ND**	25	75
CAULK-4-1	EM 1889580	A	Gray/white caulk	100		**ND**	0	100
CAULK-5-1	EM 1889581	A	Red resinous material	100		**ND**	2	98
12FLVCT/M-6-1	EM 1889582	A	White/gray tile	100		**ND**	0	100
PL-7-1	EM 1889583	A	Yellow insulation	15		**ND**	99	1
		B	White/silver wrap	25		**ND**	80	20
		C	White sealant	60		**ND**	3	97
HDUTP-8-1	EM 1889584	A	White resinous material w/ white fibrous woven material	100		**ND**	60	40

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

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ND=None Detected
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Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
CARMAS-9-1	EM 1889585	A	Tan mastic	25		**ND**	0	100
		B	Gray resinous material	75		**ND**	0	100
CLLI-10-1	EM 1889586	A	Gray/white ceiling tile	100		**ND**	65	35
HVAC-11-1	EM 1889587	A	Yellow insulation	50		**ND**	99	1
		B	Tan/silver wrap	50		**ND**	80	20
FORMICA-12-1	EM 1889588	A	Tan mastic	30		**ND**	0	100
		B	White/gray speckled counter top	70		**ND**	60	40
12FLVCT/M-13-1	EM 1889589	A	White resinous material	30		**ND**	0	100
		B	Blue tile	70		**ND**	0	100
12FLVCT/M-14-1	EM 1889590	A	Tan mastic	TR		**ND**	0	100
		B	Off white tile	100		**ND**	0	100
SINK-15-1	EM 1889591	A	Black sink undercoating	100		**ND**	0	100
FLCER-16-1	EM 1889592	A	White granular material	30		**ND**	0	100
		B	Gray/black speckled ceramic tile	70		**ND**	0	100

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

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Date Samples Analyzed: **July 06, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
WLCER-17-1	EM 1889593	A	White plaster	35		**ND**	0	100
		B	Gray resinous material	65		**ND**	0	100
CLSH-18-1	EM 1889594	A	White compound w/ light pink paint	35		**ND**	0	100
		B	Pink/tan drywall	65		**ND**	25	75
FLVCS-19-1	EM 1889595	A	Tan mastic	3		**ND**	0	100
		B	White/gray sheet vinyl w/ gray fibrous backing material	97		**ND**	30	70
WLMAS-20-1	EM 1889596	A	White compound w/ yellow paint & tan fibrous material	100		**ND**	20	80
CLGL-21-1	EM 1889597	A	Tan mastic	35		**ND**	0	100
		B	Gray/white ceiling tile	65		**ND**	65	35
12FLVCT/M-22-1	EM 1889598	A	Tan mastic	TR		**ND**	0	100
		B	Blue tile	100		**ND**	0	100
CONC-23-1	EM 1889599	A	Gray granular cementitious material	100		**ND**	0	100
FL-25-1	EM 1889600	A	Tan mastic w/ red paint	100		**ND**	0	100
CLLI-26-1	EM 1889601	A	Gray/white ceiling tile	100		**ND**	65	35

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

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Turnaround: **3-5 Day**
Date Samples Analyzed: **July 06, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
12FLVCT/M-27-1	EM 1889602	A	Tan mastic	5		**ND**	0	100
		B	Gray/black speckled tile	95		**ND**	0	100
WLSH-28-1	EM 1889603	A	White joint compound	10		**ND**	0	100
		B	Tan/white drywall	30		**ND**	80	20
		C	White tape	30		**ND**	99	1
		D	White compound w/ white paint	30		**ND**	0	100
CLSH-29-1	EM 1889604	A	Tan/white drywall	25		**ND**	80	20
		B	White compound w/ white paint	25		**ND**	0	100
		C	White tape	25		**ND**	99	1
		D	White joint compound	25		**ND**	0	100
CONC-30-1	EM 1889605	A	Gray granular cementitious material	100		**ND**	0	100
STUCCO-31-1	EM 1889606	A	Red stucco	100		**ND**	TR	100
WLCER-32-1	EM 1889607	A	Red granular material	100		**ND**	0	100
CAULK-33-1	EM 1889608	A	Pink caulk	100		**ND**	0	100

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

Kelly Nuccio

Kelly Nuccio
Analyst / Data QA

Due Date: 7-7
Due Time:

Reservoirs Environmental, Inc.

5801 Logan St. Denver, CO 80216 • Ph: 303 964-1986 • Fax 303-477-4275 • Toll Free :866 RESI-ENV
After Hours Cell Phone: 720-339-9228

RES 383574

SUBMITTED BY:

Company: SCA Environmental, Inc.
Address: 650 Delancey St. Ste. 222
San Fransisco CA 94107

INVOICE TO: (IF DIFFERENT)

Company:
Address:

CONTACT INFORMATION:

Contact: Christina Codemo
Phone:
Fax:
Cell/pager:

Contact:
Phone:
Fax:
Cell/pager:

Project Number and/or P.O. #: F12437
Project Description/Location: City of SM 222 W 39th Ave 222 W 39th Ave SAN Mateo

Final Data Deliverable Email Address:
ccodemo, dleung & pgervasio@scaehs.com

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm & Sat. 8am - 5pm

PLM / PCM / TEM ___ RUSH (Same Day) ___ PRIORITY (Next Day) X STANDARD (3-5 Day) Delay
(Rush PCM = 2hr, TEM = 6hr.)

CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm

Metal(s) / Dust** ___ RUSH ___ 24 hr. ___3-5 Day
RCRA 8 / Metals & Welding Fume Scan / TCLP** ___RUSH (3 Day)___5 Day ___10 Day
Organics ___ 24 hr. ___ 3 day ___5 Day

Prior notification is required for RUSH turnarounds.

MICROBIOLOGY LABORATORY HOURS: Weekdays: 9am - 6pm

E.coli and/or Coliforms* ___ 24-48 Hour Other: _____
Pathogens* ___ 24-48 Hour
Microbial Growth* ___ 5-10 Day
Legionella ___ 10 Day
Mold ___ RUSH ___24 Hr ___48 Hr ___3 Day ___5 Day

TAT dependent on speed of microbial growth.

Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.

Special Instructions:

REQUESTED ANALYSIS

VALID MATRIX CODES

Air = A	Bulk = B
Dust = D	Paint = P
Soil = S	Wipe = W
Swab = SW	F = Food
Drinking Water = DW	Waste Water = WW
O = Other	

ASTM E1792 approved wipe media only

Client sample ID number (Sample ID's must be unique)	PLM - Short report, Point Count, Long report, Qualitative	TEM - AHERA, Level II, 7402, ISO, +/- (Air, Bulk or Dust), Quant, Semi-Quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) ___ RCRA 8, TCLP, Welding Fume, Metals Scan, pH	ORGANICS - METH, TSS	MICROBIOLOGY: Pathogens: Aerobic Plate Count, Salmonella, E.coli O157:H7, Listeria, S.aureus, Camphlobacter: +/- or Quantification	MICROBIOLOGY: E.coli and/or Coliforms: +/- or Quantification State Water (Please Circle One) Yes / No	MICROBIOLOGY: Viables: Microbial Growth: Aerobic Plate Count ID, Y & M or Bacteria, Fungal, +/- or Quantification	MICROBIOLOGY: Viables: Legionella: +/- or Quantification	MICROBIOLOGY: Viables: Other: Bioburden, LAL or Environmental	MICROBIOLOGY: Viables: Mold: Spore Trap or Bulk: +/- , Identification , Quantification, Viable or Non-Viable	SAMPLER'S INITIALS OR OTHER NOTES:	Sample Volume (L) / Area	Matrix Code	# Containers	Date Collected mm/dd/yy	Time Collected hh/mm a/p	EM Number (Laboratory Use Only)
1 WLSH-1-1																			1889577
2 BBMAS-2-1																			1889578
3 STSFP-3-1																			1889579
4 CAULK-4-1																			1889580
5 CAULK-5-1																			1889581
6 12FLVCT/M-6-1																			1889582
7 PL-7-1																			1889583
8 HDUTP-8-1																			1889584
9 CARMAS-9-1																			1889585
10 CLLI-10-1																			1889586

LAB NOTES:

Number of samples received: ~~32~~ 33 (Additional samples shall be listed on attached long form.)

NOTE: REI will analyze incoming samples based upon information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET 30 days, failure to comply with payment terms may result in a 1.5% monthly interest surcharge.

Relinquished By: Date/Time:
Laboratory Use Only Received By: Elisa Nu Date/Time: 7-5-17 11 Carrier: Hand / FedEx / UPS / USPS / Drop Box / Courier

Sample Condition: On Ice Yes / No Sealed Yes / No Intact Yes / No
Temp. (F°) _____

Data Entry QA:	Contact	Phone Email Fax	Date	Time	Initials	Contact	Phone Email Fax	Date	Time	Initials
	Contact	Phone Email Fax	Date	Time	Initials	Contact	Phone Email Fax	Date	Time	Initials

Reservoirs Environmental, Inc.
5801 Logan St. Denver, CO 80216 • Ph: 303 964-1986 • Fax 303-477-4275 • Toll Free :866 RESI-ENV

RES Job # 353574

Page 2 of ____

Submitted by: SCA Environmental, Inc.

REQUESTED ANALYSIS

VALID MATRIX CODES

Air = A	Bulk = B
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Swab = SW	F = Food
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O = Other	

ASTM E1792 approved wipe media only

Client sample ID number (Sample ID's must be unique)	PLM - Short report, Long report, Point Count	TEM - AHERA, Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) RCRA 8, TCLP, Welding Fume, Metals Scan	ORGANICS - METH	MICROBIOLOGY: Pathogens: Aerobic Plate Count, Salmonella, E.coli O157:H7, Listeria, S.aureus, Camphlobacter: +/- or Quantification	MICROBIOLOGY: E.coli and/or Coliforms: +/- or Quantificatino	MICROBIOLOGY: Microbial Growth: Aerobic Plate Count ID, Bacteria or Y & M: +/- or Quantification	MICROBIOLOGY: Legionella: +/- or Quantification	MICROBIOLOGY: Other: Bioburden, LAL or Environmental	MICROBIOLOGY: Mold: Spore Trap or Bulk: +/- or Quantification	SAMPLER'S INITIALS OR OTHER NOTES:	Sample Volume (L) / Area	Matrix Code	# Containers	Date Collected mm/dd/yy	Time Collected hh/mm a/p	EM Number (Laboratory Use Only)
11 HVAC-11-1																			1889587
12 FORMICA-12-1																			1889588
13 12FLVCT/M-13-1																			1889589
14 12FLVCT/M-14-1																			1889590
15 SINK-15-1																			1889591
16 FLCER-16-1																			1889592
17 WLCER-17-1																			1889593
18 CLSH-18-1																			1889594
19 FLVCS-191																			1889595
20 WLMAS-20-1 EM 1889598																			1889596
21 CLGL-21-1																			1889597
22 12FLVCT/M-22-1																			1889598
23 CONC-23-1																			1889599
24 FL-25-1																			1889600
25 CLLI-26-1																			1889601
26 12FLVCT/M-27-1																			1889602
27 WLSH-28-1																			1889603
28 CLSH-29-1																			1889604
29 CONC-30-1																			1889605
30 STUCCO-31-1																			1889606
31 WLCER-32-1																			1889607
32 CAULK-33-1																			1889608
33																			
34																			
35																			
36																			
37																			
38																			
39																			
40																			
41																			

LAB NOTES:

SCA Environmental, Inc.

CHAIN OF CUSTODY FORM

650 Delaneey St., Ste. 222, San Francisco, CA 94107 — Tel 415-882-1675 — Fax 415-962-0736
1 Lakeside Drive, Ste. 215, Oakland, CA 94612 — Tel 510-645-6200 — Fax 415-962-0736

CALL/TXT with results:

@messaging.sprintpcs.com

Email rpt / COC & invoice:
dleung@sca-enviro.com & pgervasio@scaehs.com

Email Prj Mgr Name:
Chuck Siu Glenn Cass (Christina Codemo)

Accounting Data:

EMAIL HEADING: (Project #) - (Project Manager Initials) - (Site Name/Address) - (Date MMDD)			
CITY OF SM 222 W 3RH AVE	F12437	CC	222 W 3RH AVE SAN MATEO	6/28

LAB: REI

COURIER:
LAB REP NOTIFIED: — Notification DATE/TIME:
AIRBILL/FLIGHT NO.: — Shipper REFERENCE I.D.:
EST. ARRIVAL DATE: — EST. ARRIVAL TIME:

Method Reference: 7400 PCM — AHERA TEM (≥0.005 s/cc Ana/Sen) — CARB-AHERA TEM 0.001 s/cc Ana Sensitivity
(PLM (asbestos)) — Flame AA (Lead)

Sample Media: 25 37 mm 0.45 0.8 micron — MCEF (Bulk) Water Wipe

RESULTS DUE: 3 DAYS — AM / PM

CHAIN OF CUSTODY DATA:
Sending Info: 32 samples submitted by DL (SCA) on 6/29 at 12:00P
Received by Lab: _____ samples received by _____ on _____ at _____
Received by Analyst: _____ samples received by _____ on _____ at _____

SAMPLE ID	LITERS	~~Results~~ SAMPLE ID	Ins/Blanks/Outs
WLSH-1-1		WLMAS-20-1	
BBMAS-2-1		CLGL-21-1	
SIGFP-3-1		12FLVCT/M-22-1	
CAULK-4-1		CONC-23-1	
CAULK-5-1		FL-25-1	
12FLVCT/M-6-1		CLL-26-1	
PL-7-1		12FLVCT/M-27-1	
HDUTP-8-1		WLSH-28-1	
CARMAS-9-1		CLSH-29-1	
CLL-10-1		CONC-30-1	
HVAC-11-1		STUCCO-31-1	
FORMICA-12-1		WLCER-32-1	
12FLVCT/M-13-1		CAULK-33-1	
12FLVCT/M-14-1			
SINK-15-1			
FLCER-16-1			
WLCER-17-1	0 LITERS		BLANK
CLSH-18-1	0 LITERS		BLANK
FLVCS-19-1	0 LITERS		BLANK

INSTRUCTIONS TO LAB (delete items not applicable AND circle items applicable):
~~1. Pickup requested~~
~~Contact:~~ _____ ~~Time of Call:~~ _____
~~2. Call SCA's contact to acknowledge receipt of samples.~~
~~3. Analyze samples by PCM only.~~
4. Analyze inside samples by PCM first; ~~if any sample >0.01 f/cc, contact SCA.~~
~~5. If all samples are <0.01 f/cc, proceed with items 6, 7 or 8, as noted.~~
6. Analyze inside samples only; stop ~~if Avg > 70 su/mm^2, contact SCA before analyzing outsides or blanks.~~
~~7. Analyze all samples, including outside samples and blanks.~~
~~8. Do NOT analyze outside or blank samples.~~
~~9. Analyze by TEM only the inside air sample with the highest PCM result.~~
~~10. Serial analysis; stop at first positive (>1%); first trace (<0.1%) except sheetrock and plaster samples.~~
(11) Analyze all bulk samples, unless otherwise indicated.
~~12. PCB: 1 PPM detection limit required. Authorized to perform Florisil cleanup to meet the detection limit.~~
~~13. For AHERA TEM, only analyze for REGULATED ASBESTOS.~~
14. _____

Report Number:

Invoice Number:

Supplies /Equipment	Qty
Hi-Vol (3040)	
Lo-Vol (3020)	
TEM / Pb cassettes (3520)	
PCM cassettes (3500)	
Bulk sampling supply (3710)	32

| | Wipes | Flame AA | Units (each) | LEAD | | |

ALSF ANALYTICAL LABS SAN FRANCISCO INC.

POLARIZED LIGHT MICROSCOPY ANALYSIS FOR ASBESTOS CONTENT (CARB 435)

Client: SCA ENVIRONMENTAL, INC.
650 DELANCEY ST. #222
SAN FRANCISCO, CA 94107

Project No.: F12437
Project: CITY OF SM 222 W 39TH AVE.
Location: 222 W 39TH AVE., SAN MATEO

Report Number: DF23001
Date: JULY 10, 2017
Analyst: OLGA KIST
Date Analyzed: JULY 10, 2017
Sample Collector: DAN LEUNG
Collection Date: JUNE 28, 2017
2 Sample(s) containing Asbestos

2 Sample(s) Analyzed
2 Sample(s) Received 06/29/17 14:05

Sample #	Location / Description	ASBESTOS Type and Range % or NONE DETECTED	NONASBESTOS Other Fibers (%) Balance
1. SOIL-24-1	**A) BROWN CLAY SOIL WITH GRAVEL, RED BRICK, WHITE COARSE PLASTER, WOOD, SHELLS, GLASS AND ASH** B) BLACK ASPHALT	**CHRYS <1***	CELL, ARAGONITE 2-5, SILI, IRON OXIDES, OPAQUES, CARB, MICA, (BIOTITE), ASPHALT, MISC.
		NONE DETECTED	
		***CHRYSOTILE <0.25% (400 PTS) FOUND IN PLASTER MATRIX.**	
2. SOIL-34-1	**BROWN CLAY SOIL WITH GRAVEL AND SHELLS**	**CHRYS <1***	CELL, GL <1-2, SILI, IRON OXIDES, OPAQUES, CARB, MICA, (BIOTITE), MISC.
		***CHRYSOTILE 0.50% (400 PTS) FOUND AS LOOSE INSULATION.**	
071017	LABORATORY BLANK (1866 GLASS FIBERS)	NONE DETECTED	

PAGE 1 OF 2

ASBESTOS TYPES
CHRYS: Chrysotile
AMOS: Amosite
CROC: Crocidolite
TREM: Tremolite/Actinolite
ANTH: Anthophyllite

NONASBESTOS
CELL: Cellulose
GL: Fiberglass/Mineral Wool
SYN: Synthetic
CARB: Carbonates
SILI: Mixed Silicates
POLY: Polyethylene
FTALC: Fibrous Talc
FGYP: Fibrous Gypsum
FELD: Feldspar
CASI: Calcium Silicates

Bulk samples analyzed in accordance with "Method for the Determination of Asbestos in Bulk Building Materials" EPA/600/R-93/116, July 1993 and EPA/M4-82-020 "Interim Method for the Determination of Asbestos in Bulk Insulation Samples". The detection limit is less than 1% asbestos by calibrated visual estimation. Asbestos fibers less than 0.2 microns cannot be resolved by light microscope. Analytical Labs San Francisco, Inc. (ALSF) is accredited for bulk asbestos fiber analysis by the California State Environmental Accreditation Program (ELAP #1050). This report must not be reproduced except in full, without the written approval of ALSF and pertains only to the samples analyzed.

AUTHORIZED SIGNATURE _____ DATE 7/10/17

467 Potrero Avenue, San Francisco, CA 94110 (415) 552-4595 FAX 552-0730

ALSF ANALYTICAL LABS SAN FRANCISCO INC.
467 Potrero Avenue, San Francisco, CA 94110 (415) 552-4595 FAX 552-0730

QUANTITATION OF ASBESTOS CONTENT USING POINT COUNTING METHOD AND POLARIZED LIGHT MICROSCOPY (CARB 435)

CLIENT: SCA ENVIRONMENTAL, INC.
650 DELANCEY ST. #222
SAN FRANCISCO, CA 94107

REPORT #: DF23001.PT
DATE COMPLETED: JULY 10, 2017
ANALYST: O. KIST

Project No.: F12437
Project: CITY OF SM 222 W 39TH AVE.

SUPPLEMENTAL TO:
PLM BULK REPORT DF23001

SAMPLE NO. RESULT	DESCRIPTION	TOTAL POINTS	ASBESTOS AREA PERCENT BY POINT-COUNTING	STATISTICAL LIMIT
1. SOIL-24-1				
CHRYS <1	A) BROWN CLAY SOIL WITH GRAVEL, RED BRICK, WHITE COARSE PLASTER, WOOD, SHELLS, GLASS AND ASH	400	<0.25%	0.25%
2. SOIL-34-1				
CHRYS <1	BROWN CLAY SOIL WITH GRAVEL AND SHELLS	400	0.50%	0.25%

AUTHORIZED SIGNATURE

DATE 7/10/17

ALSF ANALYTICAL LABS SAN FRANCISCO INC.
467 Potrero Avenue, San Francisco, CA 94110 (415) 552-4595 FAX 552-0730

QUANTITATION OF ASBESTOS CONTENT USING POINT COUNTING METHOD AND POLARIZED LIGHT MICROSCOPY (CARB 435)

CLIENT: SCA ENVIRONMENTAL, INC.
650 DELANCEY ST. #222
SAN FRANCISCO, CA 94107

REPORT #: DF23001.PT
DATE COMPLETED: JULY 12, 2017
ANALYST: O. KIST

Project No.: F12437
Project: CITY OF SM 222 W 39TH AVE.

SUPPLEMENTAL TO:
PLM BULK REPORT DF23001

SAMPLE NO. RESULT	DESCRIPTION	TOTAL POINTS	ASBESTOS AREA PERCENT BY POINT-COUNTING	STATISTICAL LIMIT
1. SOIL-24-1				
CHRYS <1	A) BROWN CLAY SOIL WITH GRAVEL, RED BRICK, WHITE COARSE PLASTER, WOOD, SHELLS, GLASS AND ASH	1200	<0.08%	0.08%

AUTHORIZED SIGNATURE

DATE 7/12/17

DF 23001

SCA Environmental, Inc.

CHAIN OF CUSTODY FORM

650 Delancey St., Ste. 222, San Francisco, CA 94107 — Tel 415-882-1675 — Fax 415-962-0736
1 Lakeside Drive, Ste. 215, Oakland, CA 94612 — Tel 510-645-6200 — Fax 415-962-0736

CALL/TXT with results:

@messaging.sprintpcs.com

Email rpt / COC & invoice:
dleung@sca-enviro.com & pgervasio@scaehs.com

Email Prj Mgr Name:
Chuck Siu Glenn Cass (Christina Codemo)

Accounting Data:

EMAIL HEADING:	(Project #) -	(Project Manager Initials) -	(Site Name/Address) -	(Date MMDD)
CITY OF SM 222 W 39TH AVE	F12437	CC	222 W 39TH AVE, SAN MATEO	6/28

LAB: ALGF

COURIER
LAB REP NOTIFIED: | Notification DATE/TIME:
AIRBILL/FLIGHT NO.: | Shipper REFERENCE I.D.
EST ARRIVAL DATE: | EST. ARRIVAL TIME:

Method Reference: 7400 PCM; AHERA TEM (≤0.005 s/cc AnaSens); ~~CARB AHERA TEM 0.001 s/cc Ana Sensitivity~~
PLM (asbestos); Flame AA (Lead); (CARB 435)

Sample Media: 25 37 mm 0.45 0.8 micron; MCEF Bulk Water Wipe (SOIL)

RESULTS DUE: 5 DAYS AM / PM

CHAIN OF CUSTODY DATA:
Sending Info: 2 samples submitted by DL (SCA) on 6/29 at 2:05P
Received by Lab: 2 samples received by OH on 6/29 at 11:15
Received by Analyst: 2 samples received by " on " at "

SAMPLE ID	LITERS	Results	Ins/Blanks/Outs
SOIL-24-1		-1	
SOIL-34-1		-2	
	0 LITERS		BLANK
	0 LITERS		BLANK
	0 LITERS		BLANK

INSTRUCTIONS TO LAB (delete items not applicable AND circle items applicable):
~~1. Pickup requested~~:
~~Contact~~: _____ ~~Time of Call~~: _____
~~2. Call SCA's contact to acknowledge receipt of samples.~~
~~3. Analyze samples by PCM only.~~
4. Analyze inside samples by PCM first, if any sample >0.01 f/cc, ~~contact SCA~~.
~~5. If all samples are <0.01 f/cc, proceed with items 6, 7 or 8, as noted.~~
~~6. Analyze inside samples only, stop if Avg >70 str/mm^2, contact SCA before analyzing outsides or blanks.~~
~~7. Analyze all samples, including outside samples and blanks.~~
~~8. Do NOT analyze outside or blank samples.~~
~~9. Analyze by TEM only the inside air sample with the highest PCM result.~~
~~10. Serial analysis; stop at first positive (>1%); first trace (<0.1%), except sheetrock and plaster samples.~~
11. Analyze all bulk samples, unless otherwise indicated.
~~12. PCB: 1 PPM detection limit required. Authorized to perform Florisil cleanup to meet the detection limit.~~
~~13. For AHERA TEM, only analyze for REGULATED ASBESTOS.~~
14. _____

Report Number: DF 23001

Invoice Number:

Supplies /Equipment	Qty
Hi-Vol (3040)	
Lo-Vol (3020)	
TEM / Pb cassettes (3520)	
PCM cassettes (3500)	
Bulk sampling supply (3710)	2

| | | |

Appendix C

Lead Laboratory Reports

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1706E09

Report Created for: SCA Environmental, Inc.

1 Lakeside Drive, Suite 215
Oakland, CA 94612

Project Contact: Dan Leung
Project P.O.:
Project Name: F12437; City of SM 222 W 39th Ave. Sampling

Project Received: 06/29/2017

Analytical Report reviewed & approved for release on 07/07/2017 by:

Angela Rydelius,
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: SCA Environmental, Inc.
Project: F12437; City of SM 222 W 39th Ave. Sampling
WorkOrder: 1706E09

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	SCA Environmental, Inc.	**WorkOrder:**	1706E09
Date Received:	6/29/17 15:20	**Extraction Method:**	SW3050B
Date Prepared:	6/29/17	**Analytical Method:**	SW6020
Project:	F12437; City of SM 222 W 39th Ave. Sampling	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
OW-1	**1706E09-001A**	**Solid**	**06/28/2017**	**ICP-MS1**	**141283**

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.5**	0.50	1	07/07/2017 18:00

Surrogates	REC (%)	Limits	
Terbium	102	70-130	07/07/2017 18:00

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RD-2	**1706E09-002A**	**Solid**	**06/28/2017**	**ICP-MS1**	**141283**

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.8**	0.50	1	07/07/2017 18:06

Surrogates	REC (%)	Limits	
Terbium	101	70-130	07/07/2017 18:06

Analyst(s): JC

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	SCA Environmental, Inc.	**WorkOrder:**	1706E09
Date Prepared:	6/29/17	**BatchID:**	141283
Date Analyzed:	6/30/17	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2, ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	F12437; City of SM 222 W 39th Ave. Sampling	**Sample ID:**	MB/LCS-141283 1706E08-002AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	46.8	0.50	50	-	94	75-125
Surrogate Recovery							
Terbium	484.7	482		500	97	96	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	57.2	57.0	50	5.453	103	103	75-125	0	20
Surrogate Recovery									
Terbium	496	502	500		99	100	70-130	1.12	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Lead	5.65	5.453	3.61	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1706E09 **ClientCode: SCAO**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Dan Leung
SCA Environmental, Inc.
1 Lakeside Drive, Suite 215
Oakland, CA 94612
(510) 267-2726 FAX: (510) 839- 6200

Email: dleung@sca-enviro.com; pgervasio@scae
cc/3rd Party:
PO:
ProjectNo: F12437; City of SM 222 W 39th Ave. Sampling

Bill to:
Accounts Payable
SCA Environmental, Inc.
1 Lakeside Drive, Suite 215
Oakland, CA 94612
emuise@sca-ic.com; pgervasio@scaeh

Requested TAT: 5 days;

Date Received: 06/29/2017
Date Logged: 06/29/2017

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1706E09-001	OW-1	Solid	6/28/2017 00:00	☐	A											
1706E09-002	RD-2	Solid	6/28/2017 00:00	☐	A											

Test Legend:

1	PBMS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Kena Ponce

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: SCA ENVIRONMENTAL, INC.
Client Contact: Dan Leung
Contact's Email: dleung@sca-enviro.com; pgervasio@scaehs.com

Project: F12437; City of SM 22 W 39th Ave. Sampling
Comments:

Work Order: 1706E09
QC Level: LEVEL 2
Date Logged: 6/29/2017

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1706E09-001A	OW-1	Solid	SW6020 (Lead)	1	2Oz plastic Cap	☐	6/28/2017	5 days		☐	
1706E09-002A	RD-2	Solid	SW6020 (Lead)	1	2Oz plastic Cap	☐	6/28/2017	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1706E09

McCampbell Analytical, Inc.

1534 Willow Pass Rd. / Pittsburg, CA 94565-1701
www.mccampbell.com / main@mccampbell.com
Telephone: (877) 252-9262 / Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH ☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☒

GeoTracker EDF ☐ PDF ☒ EDD ☐ Write On (DW) ☐ EQuIS ☐ 10 DAY ☐

Effluent Sample Requiring "J" flag ☐ **UST Clean Up Fund Project** ☐; **Claim #**_____

Report To: Dan Leung **Bill To: SCA Environmental, Inc.**

Company: SCA Environmental, Inc.

1 Lakeside Dr., #215 Oakland, CA 94612 pgervasio@scaehs.com and

Tele: (415) 867-9544 **E-Mail: dleung@sca-enviro.com**

Project #: F12437 **Project Name:** Cty of SM 222 W 39th Ave Sampling

Project Location: 222 W 39th Ave, San Mateo **Purchase Order#**

Sampler Signature: Dan Leung

Analysis Request

SAMPLE ID	Location/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	MATRIX Ground Water	MATRIX Waste Water	MATRIX Drinking Water	MATRIX Sea Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX & TPH as Gas (8021/ 8015)MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)***	LUFT 5 Metals (200.8 / 6020)***	Metals (200.8 / 6020)***	Lab to Filter sample for Dissolved metals analysis	LEAD (7420)				
OW-1		6/28		1								X																			X				
RD-2		6/28		1								X																			X				

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

*** If metals are requested for water samples and the water type is not specified on the chain of custody, then MAI will default to metals by E200.8.

Relinquished By:	Date:	Time:	Received By:
Dan Leung	6/29	3:20P	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t°_____
GOOD CONDITION_____
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____
APPROPRIATE CONTAINERS_____
PRESERVED IN LAB_____

VOAS O&G METALS OTHER HAZARDOUS:
PRESERVATION_____pH<2_____

COMMENTS:
PCBs: 1 PPM detection limit required. Authorized to perform Florisil cleanup to meet the detection limit.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	**SCA Environmental, Inc.**	Date and Time Received	**6/29/2017 15:20**
Project Name:	**F12437; City of SM 22 W 39th Ave. Sampling**	Date Logged:	**6/29/2017**
		Received by:	Kena Ponce
WorkOrder №:	**1706E09** Matrix: Solid	Logged by:	Kena Ponce
Carrier:	Client Drop-In		

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☑	No ☐	

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Sample/Temp Blank temperature	Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	NA ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☐	No ☑	

UCMR Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes ☐	No ☐	NA ☑

Comments: