ENVIRONMENTAL CONNECTION INC
A Vertical Technologies Corporation

REPORT

Asbestos Containing Material Inspection
Richard Stockton University
Multiple Buildings

Prepared For:

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SECTION 1.0 EXECUTIVE SUMMARY

Environmental Connection, Inc., (EC) was contracted by Richard Stockton University (Stockton) of Galloway, New Jersey to perform an asbestos containing material inspection of multiple buildings located on the main and satellite campuses throughout the University system. The purpose of the inspection was to identify suspect asbestos containing materials (ACMs) in anticipation of future renovation projects, and to formulate a comprehensive asbestos containing material inventory/ management plan for each building. The asbestos containing material inspection and inventory were performed by two (2) of EC's United States Environmental Protection Agency (USEPA) accredited Asbestos Building Inspectors. The inspection was performed in multiple phases between April 14, 2018 and June 20, 2018.

During the inspection, EC identified approximately 700 suspect asbestos containing materials. EC collected approximately 804 samples of suspect asbestos containing materials to be analyzed for asbestos content. Of the approximately 700 materials identified, five (5) were found to contain asbestos concentrations greater than 1% by weight, the threshold for classification as ACM established by the USEPA. The confirmed asbestos containing materials are listed below sorted by building. The percentage of asbestos content found in each material is also included:

Housing II (Founder's Hall)
1.12"x12" Red Brown Marble Floor Tile (2%)
2. Mastic assoc. with Red Brown Marble Tile (3.4%)
3. White Sink Undercoat (6.1%)

Scott House
1. Exterior Siding (20%)

Nacote Creek
1. Sink Undercoating (5%)

Analysis also revealed three (3) materials that contain less than 1% asbestos content by weight. Per USEPA regulations these materials are not considered asbestos containing. Materials containing less than 1% asbestos content by weight are classified as trace asbestos containing. Those materials are listed below organized by building.

Housing IV Building 83
1. Door/Window Caulk (0.1%)

Lodge at Lakeside
3. Building Caulk (0.40%)

Sam Azeez Museum
2. Glazing on Window Panes (0.1%)

As per Stockton University's directive to avoid destructive sampling, some identified suspect asbestos containing materials could not be sampled during the inspection. Those materials are classified as assumed asbestos containing materials. As a precautionary measure, these materials should be treated as asbestos containing until proven otherwise by the appropriate analytical methods. EC's inspectors recorded the approximate quantity and location of all confirmed and assumed asbestos containing materials during the course of the inspections. EC's inspectors also photographed each identified suspect material to aid identification. Photograph logs, for each building are included in Asbestos Inventory/Management Plan binders.

The information gatherd during the asbestos containing material inspections was compiled into an asbestos material inventory/management plan for the University. The inventory/management plan documents the location, type, condition, and recommended response actions for confirmed and assumed

asbestos containing materials. The Asbestos Inventory/Management Plan is included in the binders attached to this report. The following sections detail the methodology and findings of the inspections.

SECTION 2.0 ASBESTOS CONTAINING MATERIAL INSPECTION

Asbestos is a naturally occurring mineral categorized into two (2) groups, Serpentine and Amphibole. It was utilized in more than 3,600 products for its fire resistance, tensile strength, inertness, and chemical binding properties. The Serpentine group is comprised of Chrysotile asbestos, while the Amphibole group consists of Amosite, Crocidolite, Tremolite, Anthophyllite, and other forms of asbestos.

The inspections for asbestos containing materials were performed in accordance with 40 CFR, Part 763, AHERA/ASHARA, and encompassed accessible interior and exterior spaces. Samples were collected in sufficient quantity as mandated by 40 CFR, Part 763.86.

Samples were submitted to EMSL Analytical, Inc., located in Cinnaminson, New Jersey. EMSL Analytical, Inc., is accredited by the American Industrial Hygiene Association (AIHA) and participates in the National Voluntary Laboratory Accreditation Program (NVLAP). Samples were analyzed utilizing Polarized Light Microscopy (PLM) via EPA Method 600/R-93/116.

Emergency Regulatory Adoptions to New Jersey Administrative Codes (N.J.A.C.) 8:60 and 12:120, Volume 38, Issue 11, dated June 5, 2006, mandate that non-friable organically bound (NOB) suspect asbestos containing materials be analyzed via Transmission Electron Microscopy (TEM) analysis when PLM analysis yields results of less than 1% asbestos by weight or “None Detected” for asbestos fibers. TEM uses electron imaging to identify asbestos fibers at a higher magnification. A select number of NOB materials were analyzed via TEM.

Results for PLM and TEM analysis methods are reported in percentage by weight. According to the USEPA, materials containing greater than 1% asbestos content by weight are classified as asbestos containing materials. Materials containing <1% asbestos content by weight are classified as “Trace” asbestos containing materials. Trace asbestos containing materials are not recognized by the USEPA but are regulated by the United States Department of Labor Occupational Safety and Health Administration (OSHA). The tables in the following sections summarize the analytical results.

Note: Some of the identified suspect asbestos containing materials were present in multiple buildings throughout the university system (e.g., Drywall and Joint Compound). Per USEPA regulations governing ACM inspections, materials present in multiple buildings were sampled in each building separately.

Due to a lack of material, some NOB materials were not analyzed via PLM prior to TEM analysis. A dash appears in the PLM Results column of the tables below for all NOB materials that were not analyzed via PLM.

SECTION 3.0 ASBESTOS SAMPLING RESULTS SUMMARY TABLES

3.01 Free to Be

Table 1 - Analytical Results Summary
Stockton University
Free to Be – Building 6

ID #	Material	PLM Results	TEM Results
01	12” x 12” White with Olive Speck Floor Tile	None Detected	None Detected
01A	Glue assoc. with White with Olive Speck Floor Tile	-	None Detected
02	Tan Cove Baseboard	None Detected	None Detected
02A	Glue with Tan Cove Baseboard	None Detected	None Detected
03	Sheetrock	None Detected	N/A
03A	Joint Compound	None Detected	N/A
04	2’ x 2’ Fissure Dot Ceiling Tile	None Detected	N/A
05	Faux Stone Linoleum	None Detected	None Detected
05A	Glue assoc. with Faux Stone Linoleum	None Detected	None Detected
06	Brown Cove Baseboard	None Detected	None Detected
06A	Glue assoc. with Brown Cove Baseboard	None Detected	None Detected
07	Tan Marble Linoleum	None Detected	None Detected
07A	Glue assoc. with Tan Marble Linoleum	-	None Detected
08	Tan Linoleum Underlay	None Detected	None Detected
09	Black Cove Baseboard	None Detected	None Detected
09A	Glue assoc. with Black Cove Baseboard	None Detected	None Detected
10	Black Linoleum	None Detected	None Detected
10A	Glue assoc. with Black Linoleum	None Detected	None Detected
11	Sink Undercoat	None Detected	None Detected
12	Wood Laminate Underlayment	Assumed	
13	Fire Door	Assumed	
14	Roofing	Assumed	
15	Hardwood Underlayment	Assumed	
16	Ceramic Tile Wet Bed	Assumed	
17	Exterior Siding Paper Backing	Assumed	
18	Door/Window Caulk	Assumed	

N/A – Not Applicable

3.02 Observatory

Table 2 - Analytical Results Summary Stockton University Observatory – Building 6A			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Drywall	None Detected	N/A
01A	Joint Compound	None Detected	N/A
02	12” x 12” Gray Floor Tile (No Glue)	None Detected	None Detected
03	Door Caulk	None Detected	None Detected

N/A – Not Applicable

3.03 Sam Azeez Hall

Table 3 - Analytical Results Summary Stockton University Sam Azeez Hall - Building 13			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Drywall	None Detected	N/A
01A	Joint Compound	None Detected	N/A
02	2’ x 4’ Ceiling Tiles with Fissures and Holes	None Detected	N/A
03	2’ x 2’ Textured Finish Ceiling Tile	None Detected	N/A
04	2’ x 2’ Fissure Hole Ceiling Tile	None Detected	N/A
05	White sink undercoating	None Detected	None Detected
06	Gray Marble Vinyl Sheet Flooring	Assumed	
06A	Glue with Gray Marble Sheet Flooring	Assumed	
07	Rough Plaster on Wire Mesh over Masonry	None Detected	N/A
08	Tan Vinyl Cove Baseboard	None Detected	None Detected
08A	Glue with Tan Cove	None Detected	None Detected
09	Smooth Finish Coat Plaster	None Detected	N/A
09A	Rough Finish Coat Plaster	None Detected	N/A
10	Gray Cove Baseboard	None Detected	None Detected
10A	Glue w/ Gray Cove Baseboard	None Detected	None Detected
11	Glazing on Wood Window Panes*	None Detected	<0.1% Anthophyllite
12	Window Caulk	None Detected	None Detected
13	Roofing	Assumed	

* - Trace Asbestos Containing Material | N/A – Not Applicable

3.04 Scott House

Table 4 - Analytical Results Summary Stockton University Scott House - Building 17			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Drywall	None Detected	N/A
01A	Joint Compound	None Detected	N/A
02	Ceramic Tile Wet Bed	Assumed	
03	Gray Cove Baseboard	Assumed	
03A	Glue assoc. with Gray Cove Baseboard	Assumed	
04	Carpet Glue	Assumed	
05	12” x 12” White Floor Tile	Assumed	
05A	Glue assoc. with 12” x 12” White Floor Tile	Assumed	
06	Gray Sheet Flooring	Assumed	
06A	Glue assoc. with Gray Sheet Flooring	Assumed	
07	Blue Cove Baseboard	Assumed	
07A	Glue assoc. with Blue Cove Baseboard	Assumed	
08	Glue assoc. with Wood Panels	Assumed	
09	2’ x 2’ Ceiling Tile with Fissures and Dots	None Detected	N/A
10	Window Caulk	Assumed	
11	**Exterior Siding**	**20% Chrysotile**	**N/A**
12	Vapor Barrier Behind Siding	None Detected	N/A
13	Roofing	Assumed	
14	Fire Door	Assumed	

N/A – Not Applicable

3.05 Arts and Sciences Building

Table 5 - Analytical Results Summary Stockton University Arts & Sciences Building - Building 29			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Drywall	None Detected	N/A
01A	Joint Compound	None Detected	N/A
02	2’ x 4’ Ceiling Tiles with Fissures and Dots	None Detected	N/A
03	12” x 12” Light Green Floor Tile	None Detected	None Detected
03A	Glue assoc. with 12” x 12” Light Green Floor Tile	None Detected	None Detected
04	12” x 12” Dark Green Floor Tile	None Detected	None Detected
04A	Glue assoc. with 12” x 12” Dark Green Floor Tile	None Detected	None Detected
05	Cream Cove Baseboard	None Detected	None Detected
05A	Glue assoc. with Cream Cove Baseboard	None Detected	None Detected
06	Light Gray Cove Baseboard	None Detected	None Detected
06A	Glue assoc. with Light Gray Cove Baseboard	None Detected	None Detected
07	Yellow Duct Seam Glue	None Detected	None Detected
08	Sink Undercoating	None Detected	None Detected
09	Carpet Glue	None Detected	None Detected
10	Black Cove Baseboard	None Detected	None Detected
10A	Glue assoc. with Black Cove Baseboard	None Detected	None Detected
11	Lab Table Tops/Sinks	None Detected	N/A
12	12” x 12” White Floor Tile	None Detected	None Detected
12A	Glue assoc. with 12” x 12” White Floor Tile	None Detected	None Detected
13	Fiberboard Panels	None Detected	N/A
14	3’ x 3’ Gray Floor Tiles	None Detected	None Detected
15	Plumber’s Paste	None Detected	None Detected
16	Louver Caulk	None Detected	None Detected
17	Door Caulk	None Detected	None Detected
18	Window Caulk	None Detected	None Detected
19	Roofing	Assumed	

N/A – Not Applicable

3.06 College Center II/ Administration and Finance

Table 6 - Analytical Results Summary Stockton University College Center II/ Administration & Finance – Building 33			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Carpet Glue	Assumed	
02	2’ x 2’ Fissure Dot Ceiling Tile	None Detected	N/A
03	Sheetrock	None Detected	N/A
03A	Joint Compound	None Detected	N/A
04	1’ x1’ Fissure Dot Ceiling Tile	None Detected	N/A
05	2’ X 4’ Drywall Ceiling Tile	None Detected	N/A
06	Gray Cove Baseboard	Assumed	
06A	Glue assoc. with Gray Cove Base	Assumed	
07	Glue assoc. with Plastic Panels	Assumed	
08	Plumbers Paste	Assumed	
09	Brown Cove Baseboard	Assumed	
10	White Cove Baseboard	Assumed	
11	2’ x 2’ Textured Ceiling Tile	None Detected	N/A
12	12” x 12” Cream Floor Tile	Assumed	
12A	Glue assoc. with 12” x 12” Cream Floor Tile	Assumed	
13	Caulk assoc. with Stucco	Assumed	
14	Louver Caulk	Assumed	
15	Duct Seam Glue	Assumed	
16	12” x 12” Yellow Floor Tile	Assumed	
17	12” x 12” Tan Floor Tile	Assumed	
18	Sink Undercoat	Assumed	
19	12” x 12” Brown Floor Tile	Assumed	
19A	Glue assoc. with 12” x 12” Brown Floor Tile	Assumed	
20	Ceramic Tile Wet Bed/Grout	Not Detected	N/A
21	Foundation Caulk	Assumed	
22	Window Caulk	Assumed	
23	Door/Door Frame Caulk	Assumed	
24	Boiler Gasket	Assumed	
25	Stucco	Assumed	
26	Roofing	Assumed	

N/A – Not Applicable

3.07 West Quad Building

Table 7 - Analytical Results Summary Stockton University West Quad Academic Building - Building 34			
ID #	**Material**	**PLM Results**	**TEM Results**
01	12” x 12” Light Gray Tile Floor Tile	None Detected	None Detected
01A	Mastic with 12” x 12” Light Gray Floor Tile	None Detected	Insufficient Material
02	Sheetrock	None Detected	N/A
02A	Joint Compound	None Detected	N/A
03	12” x 12” White with Brown Floor Tile	None Detected	None Detected
03A	Mastic with White with Brown Tile	None Detected	None Detected
04	Plumbers Paste	None Detected	None Detected
05	Red Firestop Caulk	None Detected	None Detected
06	2’ x 4’ Dotted Ceiling Tile	None Detected	N/A
07	2’ x 2’ Plain White Ceiling Tile	None Detected	N/A
08	Carpet Glue	None Detected	None Detected
09	2’ x 2’ Rectangle Pattern Ceiling Tile	None Detected	N/A
10	12” x 12” White with Green Floor Tile	Assumed	
10A	12” x 12” Mastic with White with Green Floor Tile	Assumed	
11	Black Cove Baseboard	None Detected	None Detected
11A	Mastic with Black Cove Baseboard	None Detected	None Detected
12	2’ x 4’ Fissure Dot Ceiling Tile	None Detected	N/A
13	12” x 12” Tan Floor Tile	None Detected	None Detected
13A	Mastic with 12” x 12” Tan Floor Tile	None Detected	None Detected
14	Sink Undercoat	None Detected	None Detected
15	Tan Cove Baseboard	None Detected	None Detected
15A	Mastic with Tan Cove Baseboard	None Detected	None Detected
16	White Cove Baseboard	None Detected	None Detected
16A	Mastic with White Cove Baseboard	None Detected	None Detected
17	Window Caulk	None Detected	None Detected
18	Door Caulk	None Detected	None Detected
19	Building Caulk	None Detected	None Detected
20	Duct Seam Glue	None Detected	None Detected
21	12” x 12” Brown Elevator Floor Tile	Assumed	
22	Wet Bed to Ceramic Tile	Assumed	
23	Terrazzo	Assumed	
23A	Wet Bed to Terrazzo Flooring	Assumed	

N/A – Not Applicable

3.08 Generator/Fire Pump/HSG Storage

Table 8 - Analytical Results Summary Stockton University Generator / Fire Pump / HSG Storage - Building 35			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Paste Sealant on Fiberglass Insulation	None Detected	None Detected
02	Drywall	None Detected	N/A
02A	Joint Compound	None Detected	N/A
03	Saddle Insulation	None Detected	N/A
04	Grey Vinyl Cove Baseboard	None Detected	None Detected
04A	Glue assoc. with Grey Vinyl Cove Baseboard	None Detected	None Detected
05	Interior Boiler Materials	Assumed	
06	Black Exterior Louver Caulk	None Detected	None Detected
07	White Exterior Door Caulk	None Detected	None Detected
08	Roofing	Assumed	

N/A – Not Applicable

3.09 Townsend Residential Life Center

Table 9 - Analytical Results Summary Stockton University Townsend Residential Life Center - Building 36			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Drywall	None Detected	N/A
01A	Joint Compound	None Detected	N/A
02	2’ x 2’ Ceiling Tile with Fissures and Holes	None Detected	N/A
03	Carpet Glue	None Detected	None Detected
04	2’ x 2’ Ceiling Tile with Deep Fissures	None Detected	N/A
05	Black Sink Undercoating	None Detected	None Detected
06	Brown/Red Duct Sealant	None Detected	None Detected
07	Black Cove Base	None Detected	None Detected
07A	Glue assoc. with Black Cove Base	None Detected	None Detected
08	Fire Door Wood Composite	Assumed	
09	12” x 12” Green Marble Vinyl Floor Tile	None Detected	None Detected
09A	Glue assoc. with 12” x 12” Green Marble Vinyl Floor Tile	-	None Detected
10	Green Vinyl Cove Base	None Detected	None Detected
10A	Glue assoc. with Green Vinyl Cove Base	-	None Detected
11	Number Not Used		
12	2’ x 2’ Fissure and Hole Ceiling Tile	None Detected	N/A
13	Plumber Paste on Fiberglass Pipe Insulation Ends	None Detected	None Detected
14	Grey Vinyl Cove Base	None Detected	None Detected
14A	Glue assoc. with Grey Vinyl Cove Base	-	None Detected
15	12” x 12” Tan Floor Tile with Red Specks	None Detected	None Detected
15A	Glue assoc. with 12” x 12” Tan Floor Tile with Red Speck	None Detected	None Detected
16	Building Caulk	None Detected	None Detected
17	Window Caulk	None Detected	None Detected

3.10 Student Housing III

Table 10 - Analytical Results Summary Stockton University Student Housing III - Building 37			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Textured Finish on Concrete Ceiling Deck	None Detected	N/A
02	Carpet Glue	None Detected	None Detected
03	Drywall	None Detected	N/A
03A	Joint Compound	None Detected	N/A
04	12” x 12” Tan/Brown Floor Tile	None Detected	None Detected
04A	Mastic assoc. with Tan/Brown Floor Tile	-	None Detected
05	12” x 12” Green/White Marble Floor Tile	None Detected	None Detected
05A	Mastic assoc. with Green/White Floor Tile	-	None Detected
06	Thin set to Ceramic Tile	None Detected	N/A
07	Black Vinyl Cove Base	None Detected	None Detected
07A	Glue assoc. with Black Vinyl Cove Base	-	None Detected
08	Sealant on Duct Seams	-	None Detected
09	2’ x 4’ Ceiling Tile with Holes	None Detected	N/A
10	2’ x 4’ Gypsum Board Ceiling Tile	None Detected	N/A
11	Wood Fire Door	Assumed	
12	Metal Fire Door	Assumed	
13	Grey Vinyl Cove Base	None Detected	None Detected
13A	Glue assoc. with Grey Vinyl Cove Base	-	None Detected
14	12” x 12” Tan/Red Marble Floor Tile	None Detected	None Detected
14A	Mastic assoc. with Tan/Red Marble Floor Tile	-	None Detected
15	Paste Sealant on Fiberglass Insulation	None Detected	None Detected
16	12” x 12” Tan/Brown Marble Floor Tile	None Detected	None Detected
16A	Mastic assoc. with Tan/Brown Marble Floor Tile	-	None Detected
17	Grey Built-up Asphalt Roofing	Assumed	
18	Flashing to Grey Built-up Roofing	Assumed	
19	Red/Brown Shingle Roofing	Assumed	
20	Tar Paper Vapor Barrier Under Shingles	Assumed	
21	Window Caulk	None Detected	None Detected
22	Tan Control Joint Caulk	None Detected	None Detected
23	White Control Joint Caulk	None Detected	None Detected
24	Exterior Stucco	None Detected	N/A

3.11 Student Housing II (Founder's Hall)

Table 11 - Analytical Results Summary Stockton University Student Housing II (Founder's Hall) - Building 38			
ID #	**Material**	**PLM Results**	**TEM Results**
01	2' x 4' Gypsum Board Ceiling Tile	None Detected	N/A
02	12" x 12" Tan Marble Floor Tile	None Detected	None Detected
02A	Mastic assoc. with Tan Marble Floor Tile	None Detected	0.25% Chrysotile
03	**12" x 12" Red/Brown Marble Floor Tile**	**2% Chrysotile**	**N/A**
03A	**Mastic assoc. with Red/Brown Marble Floor Tile**	**None Detected**	**3.4% Chrysotile**
04	Drywall	None Detected	N/A
04A	Joint Compound to Drywall	None Detected	N/A
05	Brown Vinyl Cove base	None Detected	None Detected
05A	Glue assoc. with Brown Vinyl Cove Base	None Detected	None Detected
06	12" x 12" Light and Dark Brown Marble Floor Tile	None Detected	None Detected
06A	Glue assoc. with Light and Dark Brown Marble Floor Tile	None Detected	None Detected
07	Textured Finish on Concrete Ceiling Deck	None Detected	N/A
08	Carpet Glue	None Detected	None Detected
09	Brown Sealant on Duct Seams	None Detected	None Detected
10	Black Vinyl Cove Base	None Detected	None Detected
10A	Glue assoc. with Black Vinyl Cove Base	None Detected	None Detected
11	Control Joint Caulk White Concrete	None Detected	None Detected
12	Glue to Ceramic Tile	None Detected	None Detected
13	**White Sink Undercoat**	**-**	**6.1% Chrysotile**
14	Exterior Stucco	None Detected	N/A
15	Metal Fire Door	Assumed	
16	12" x 12" Green/White Marble Floor Tile	None Detected	None Detected
16A	Mastic assoc. with Green/White Marble Floor Tile	-	None Detected
17	Yellow Duct Sealant off Air Handle	None Detected	None Detected
18	Control Joint Caulk Exterior Red	None Detected	None Detected
19	Window Caulk	None Detected	None Detected
20	Door Caulk	None Detected	None Detected
21	2' x 4' Ceiling Tile with Fissure Holes	None Detected	N/A
22	Control Joint Caulk Tan	None Detected	None Detected
23	Brown Built-up Roofing	Assumed	
24	Flashing Material Under Foil	Assumed	

3.12 Sports Center (Big Blue)

Table 12 - Analytical Results Summary Stockton University Sports Center (Big Blue) - Building 41			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Sheetrock	None Detected	N/A
01A	Joint Compound	None Detected	N/A
02	2’ x 2’ Textured and Dotted Ceiling Tile	None Detected	N/A
03	2’ x 2’ Dotted Ceiling Tile	None Detected	N/A
04	Gray Cove Base	None Detected	None Detected
04A	Mastic assoc. with Gray Cove Base	None Detected	None Detected
05	Black Cove Base	None Detected	None Detected
05A	Mastic assoc. with Black Cove Base	None Detected	None Detected
06	Carpet Glue	None Detected	None Detected
07	Spray Applied Fireproofing	None Detected	N/A
08	Troweled Fireproofing	None Detected	N/A
09	Concrete Floor Expansion Caulk	None Detected	N/A
10	12” x 12” Gray Floor Tile	None Detected	None Detected
10A	Mastic assoc. with 12” x 12” Gray Floor Tile	None Detected	None Detected
11	2’ x 2’ Fissure Dot	None Detected	N/A
12	3’ x 3’ Gray Floor Membrane	Assumed	
12A	Glue associated with 3’ x 3’ Gray Floor Membrane	Assumed	
13	Duct Seam Glue	None Detected	None Detected
14	Door Caulk	None Detected	None Detected
15	Wet Bed to Ceramic Tile	Assumed	
16	Underlayment to Gym Floor	Assumed	
17	Glue to Rubber Stair Treads	Assumed	
18	Roofing	Assumed	

3.13 Gateway Building

Table 13 - Analytical Results Summary Stockton University Gateway Building - Building 42			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Paste assoc. with Fiberglass	None Detected	None Detected
02	Pipe Saddle Insulation	None Detected	N/A
03	Sheetrock	None Detected	N/A
03A	Joint Compound	None Detected	N/A
04	Light Gray Cove Base	None Detected	None Detected
04A	Glue assoc. with Light Gray Cove	None Detected	None Detected
05	Door Caulk	None Detected	None Detected
06	Caulk Associated with Cooling Tower	Assumed	
07	Roofing	Assumed	
08	Vapor Barrier Behind Metal Siding	Assumed	

3.14 Campus Center

Table 14 - Analytical Results Summary Stockton University Campus Center - Building 50			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Drywall	None Detected	N/A
01A	Joint Compound	None Detected	N/A
02	Plumbers Paste	None Detected	N/A
03	Gray Cove Base	None Detected	None Detected
03A	Glue assoc. with Gray Cove Base	None Detected	None Detected
04	Black Cove Base	None Detected	None Detected
04A	Glue assoc. with Black Cove Base	None Detected	None Detected
05	Carpet Glue with Leveler	None Detected	None Detected
06	2’ x2’ Dotted Ceiling Tile	Not Sampled	
07	2’ x 2’ Fissure Dot Ceiling Tile	None Detected	N/A
08	2’ x 4’ Drywall Ceiling Tile	None Detected	N/A
09	12” x 12” Off-white with Gray Streak Floor Tile	None Detected	None Detected
09A	Glue assoc. with 12” x 12” Off-white with Gray Tile	None Detected	None Detected
10	Spray Applied Fireproofing	None Detected	N/A
11	Duct Seam Glue	None Detected	None Detected
12	Brown Cove Base	None Detected	None Detected
12A	Glue assoc. with Brown Cove base	None Detected	None Detected
13	Cement Wallboard	None Detected	N/A
14	Sink Undercoat	None Detected	None Detected
15	Red Fire Stop Caulk	None Detected	None Detected
16	Stair Tread Glue	None Detected	None Detected
17	2’ x 2’ No Markings Ceiling Tile	None Detected	N/A
18	2’ x 2’ Black Fissure Dot Ceiling Tile	None Detected	N/A
19	Glue assoc. with Plastic Panels	None Detected	None Detected
20	Carpet Glue	None Detected	None Detected
21	Gray Linoleum	None Detected	None Detected
22	Door Caulk	None Detected	None Detected
23	Window Caulk	None Detected	None Detected
24	Terrazzo Flooring	Assumed	
25	Ceramic Tile Wet Bed	Assumed	
26	Wall Panel Mastic	Assumed	

3.15 Unified Science Center

Table 15 - Analytical Results Summary Stockton University Unified Science Center - Building 51			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Spray on Fireproofing	None Detected	N/A
02	12” x 12” White and Tan Marble Floor Tile	None Detected	None Detected
02A	Glue assoc. with White and Tan Floor Tile	None Detected	None Detected
03	Black Vinyl Cove Base	None Detected	None Detected
03A	Glue assoc. with Black Vinyl Cove Base	-	None Detected
04	Drywall	None Detected	N/A
04A	Joint Compound	None Detected	N/A
05	2’ x 2’ Textured Finish Ceiling Tile	None Detected	N/A
06	Carpet Glue	-	None Detected
07	Brown Vinyl Flooring	Assumed	
07A	Glue assoc. with Brown Vinyl Flooring	Assumed	
08	Paste Sealant on Fiberglass Insulation	None Detected	None Detected
09	White/Brown/Gray Terrazzo Flooring	None Detected	N/A
10	Composite Lab Table Tops/Sinks/Boards	None Detected	N/A
11	White Block Pipe Saddle Insulation	None Detected	N/A
12	Red Fire Stop Caulk	None Detected	None Detected
13	Insulated Wood Fire Door	None Detected	N/A
14	Exterior White Caulk	None Detected	None Detected

3.16 Housing IV Commons

Table 16 - Analytical Results Summary Stockton University Housing IV Commons - Building 80			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Sheetrock	None Detected	N/A
01A	Joint Compound	None Detected	N/A
02	Stucco	None Detected	N/A
03	Sheetrock	Assumed	
03A	Joint Compound	Assumed	
04	Ceramic Tile Wet Bed	Assumed	
05	Tan Cove Base	Assumed	
05A	Glue associated with Tan Cove Base	Assumed	
06	Paste associated with Fiberglass	Assumed	
07	Window/Door Caulk	Assumed	
08	Expansion Caulk	Assumed	
09	Stucco	Assumed	

3.17 Housing IV Building 81

Table 17 - Analytical Results Summary Stockton University Housing IV Apartments - Building 81			
ID #	**Material**	**PLM Results**	**TEM Results**
01	12” x 12” Beige and Tan Marble Floor Tile	None Detected	None Detected
01A	Glue assoc. with Beige and Tan Marble Floor Tile	-	None Detected
02	Tan Vinyl Cove Base	None Detected	None Detected
02A	Glue assoc. with Tan Vinyl Cove Base	-	None Detected
03	Drywall	None Detected	N/A
03A	Joint Compound to Drywall	None Detected	N/A
04	Paste on Fiberglass Pipe Insulation	None Detected	None Detected
05	12” x 12” Tan and White Marble Floor Tile	None Detected	None Detected
05A	Glue to 12” x 12” Tan White Marble Floor Tile	-	None Detected
06	12” x 12” Blue Marble Floor Tile	None Detected	None Detected
06A	Glue assoc. with Blue Marble Floor Tile	-	None Detected
07	Carpet Glue	-	None Detected
08	White Sink Undercoat	None Detected	None Detected
09	White Blow-In Insulation	None Detected	N/A
10	Red Vinyl Stair Tread	None Detected	None Detected
10A	Glue assoc. with Red Vinyl Stair Tread	-	None Detected
11	White Window and Door Caulk	None Detected	None Detected
12	White Control Joint Caulk	None Detected	None Detected
13	Stucco	None Detected	None Detected
14	Brown Shingle Roofing	Assumed	
14A	Vapor Barrier	Assumed	
15	Fire Doors	Assumed	
16	Ceramic Tile Wet Bed	Assumed	

3.18 Housing IV Building 82

Table 18 - Analytical Results Summary Stockton University Housing IV Apartments - Building 82			
ID #	**Material**	**PLM Results**	**TEM Results**
01	12” x 12” Tan and Beige Marble Floor Tile	None Detected	None Detected
01A	Glue assoc. with 12” x 12” Tan/Beige Marble Floor Tile	-	None Detected
02	Tan Vinyl Cove Base	None Detected	None Detected
02A	Glue assoc. to Tan Vinyl Cove Base	-	None Detected
03	Paste on Fiberglass Insulation	None Detected	None Detected
04	Drywall	None Detected	N/A
04A	Joint Compound to Drywall	None Detected	N/A
05	12” x 12” Tan and White Marble Floor Tile	None Detected	None Detected
06	12” x 12” Blue Marble Floor Tile	None Detected	Insufficient Material
07	Glue assoc. with Floor Tile for 05 and 06	-	None Detected
08	12” x 12” Tan/Brown/Olive Marble Floor Tile	None Detected	None Detected
08A	Glue assoc. with 12” x 12” Tan Marble Floor Tile	None Detected	None Detected
09	White Sink Undercoat	None Detected	None Detected
10	Red Vinyl Stair Tread	None Detected	None Detected
10A	Glue assoc. with Red Vinyl Stair Tread	-	None Detected
11	Carpet Glue	None Detected	None Detected
12	Wood Fire Door	Assumed	
13	White Blown-In Insulation	None Detected	N/A
14	Exterior Window and Door Caulk	None Detected	None Detected
15	Exterior Control Joint Caulk	None Detected	None Detected
16	Brown Shingle Roofing	Assumed	
17	Vapor Barrier to Brown Shingles	Assumed	
18	Stucco	None Detected	N/A
19	Ceramic Tile Wet Bed	Assumed	

3.19 Housing IV Building 83

Table 19 - Analytical Results Summary Stockton University Housing IV Apartments – Building 83			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Sheetrock	None Detected	N/A
01A	Joint Compound	None Detected	N/A
02	12” x 12” Beige and Tan Floor Tile	None Detected	N/A
02A	Mastic assoc. with Beige and Tan Floor Tile	None Detected	None Detected
03	Tan Vinyl Cove	None Detected	N/A
03A	Glue assoc. with Tan Vinyl Cove	None Detected	N/A
04	12” x 12” Tan and White Floor Tile	None Detected	None Detected
04A	Glue associated with 12” x 12” Tan and White Floor Tile	None Detected	None Detected
05	12” x 12” Blue Marble Tile	None Detected	None Detected
05A	Glue associated with 12” x 12” Blue Marble Tile	None Detected	None Detected
06	Carpet Glue	None Detected	None Detected
07	White Sink Undercoat	None Detected	None Detected
08	Plumbers Paste on Fiberglass	None Detected	None Detected
09	Blown-in Insulation	None Detected	N/A
10	Stair Tread Mastic	None Detected	None Detected
11	Door and Window Caulk	None Detected	<0.1% Anthophyllite
12	White Control Joint Caulk	None Detected	None Detected
13	Stucco	None Detected	N/A
14	Fire Doors	Assumed	
15	Roofing	Assumed	
16	Tar paper associated with Roofing	Assumed	
17	Ceramic Tile Wet Bed	Assumed	

3.20 Housing IV Building 84

Table 20 - Analytical Results Summary Stockton University Housing IV Apartments - Building 84			
ID #	**Material**	**PLM Results**	**TEM Results**
01	12” x 12” Beige and Tan Floor Tile	None Detected	N/A
01A	Glue associated with 12” x 12” Beige and Tan Floor Tile	None Detected	None Detected
02	Tan Vinyl Cove Base	None Detected	N/A
02A	Glue associated with Tan Vinyl Cove Base	None Detected	N/A
03	Drywall	None Detected	N/A
03A	Joint Compound	None Detected	N/A
04	Plumbers Paste	None Detected	N/A
05	12” x 12” Tan and White Floor Tile	None Detected	N/A
05A	Glue associated with 12” x 12” Tan and White Tile	None Detected	None Detected
06	12” x 12” Blue Marble	None Detected	N/A
06A	Glue associated with 12” x 12” Blue Marble	None Detected	None Detected
07	Carpet Glue	None Detected	N/A
08	Sink Undercoat	None Detected	N/A
09	Blown-in Insulation	None Detected	N/A
10	Stair Tread Mastic	None Detected	N/A
11	Window and Door Caulk	None Detected	N/A
12	Expansion Joint Caulk	None Detected	N/A
13	Stucco	None Detected	N/A
14	Fire Doors	Assumed	
15	Ceramic Tile Wet Bed	Assumed	
16	Roofing	Assumed	
17	Tar Paper associated with Roofing	Assumed	

3.21 Housing IV Building 85

Table 21 - Analytical Results Summary Stockton University Housing IV Apartments - Building 85			
ID #	**Material**	**PLM Results**	**TEM Results**
01	12” x 12” Beige and Tan Floor Tile	None Detected	None Detected
01A	Glue associated with 12” x 12” Beige and Tan Floor Tile	None Detected	None Detected
02	Tan Vinyl Cove Base	None Detected	None Detected
02A	Glue associated with Tan Vinyl Cove Base	None Detected	None Detected
03	Drywall	None Detected	N/A
03A	Joint Compound	None Detected	N/A
04	Plumbers Paste	None Detected	None Detected
05	12” x 12” Tan and White Floor Tile	None Detected	None Detected
05A	Mastic associated with 12” x 12” Tan and White Tile	None Detected	None Detected
06	12” x 12” Blue Marble	None Detected	None Detected
06A	Mastic associated with 12” x 12” Blue Marble	None Detected	None Detected
07	Carpet Glue	None Detected	None Detected
08	Sink Undercoat	None Detected	None Detected
09	Blown-in Insulation	None Detected	N/A
10	Stair Tread Glue	None Detected	None Detected
11	Window and Door Caulk	None Detected	None Detected
12	Expansion Joint Caulk	None Detected	None Detected
13	Stucco	None Detected	N/A
14	Fire Doors	Assumed	
15	Ceramic Tile Wet Bed	Assumed	
16	Roofing	Assumed	
17	Tar Paper associated with Roofing	Assumed	

3.22 Housing IV Building 86

Table 22 - Analytical Results Summary Stockton University Housing IV Apartments - Building 86			
ID #	**Material**	**PLM Results**	**TEM Results**
01	12” x 12” Beige Tan Marble Floor Tile	None Detected	None Detected
01A	Glue associated with 12” x 12” Beige Tan Floor Tile	-	None Detected
02	12” x 12” Tan and White Marble Floor Tile	None Detected	None Detected
03	12” x 12” Blue Marble Floor Tile	None Detected	None Detected
04	Glue associated with 12” x 12” Tan and White Floor Tile and 12” x 12” Blue Marble Floor Tile	-	None Detected
05	Tan Cove Base	None Detected	None Detected
05A	Glue associated with Tan Cove Base	-	None Detected
06	Carpet Glue	None Detected	None Detected
07	Sink Undercoating	None Detected	None Detected
08	Drywall	None Detected	N/A
08A	Joint Compound	None Detected	N/A
09	Red Vinyl Stair Tread	None Detected	None Detected
09A	Glue associated with Red Vinyl Stair Tread	-	None Detected
10	Paste on Fiberglass Pipe Insulation	None Detected	None Detected
11	12” x 12” Pink Marble Floor Tile	None Detected	None Detected
11A	Glue associated with 12” x 12” Pink Marble Floor Tile	-	Insufficient Material
12	Wood Fire Door	Assumed	
13	White Blown-in Insulation	None Detected	N/A
14	Exterior Window and Door Caulk	None Detected	None Detected
15	Exterior Control Joint Caulk	None Detected	None Detected
16	Exterior Stucco	None Detected	N/A
17	Brown Shingle Roofing	Assumed	
18	Vapor Barrier associated with Brown Shingle Roofing	Assumed	
19	Ceramic Tile Wet Bed	Assumed	

3.23 Housing IV Building 87

Table 23 - Analytical Results Summary Stockton University Housing IV Apartments - Building 87			
ID #	**Material**	**PLM Results**	**TEM Results**
01	12” x 12” Tan and Beige Marble Tile	Assumed	
01A	Glue associated with 12” x 12” Tan and Beige Marble Tile	Assumed	
02	Tan Cove Base	Assumed	
02A	Glue associated with Tan Cove Base	Assumed	
03	Paste associated with Glass	Assumed	
04	Sheetrock	None Detected	N/A
04A	Joint Compound	None Detected	N/A
05	12” x 12” Tan and White Marble Tile	Assumed	
05A	Glue associated with 12” x 12” Tan and White Marble Tile	Assumed	
06	12” x 12” Blue Marble Tile	Assumed	
06A	Glue associated with 12” x 12” Blue Marble Tile	Assumed	
07	Carpet Glue	Assumed	
08	White Sink Undercoat	Assumed	
09	Blown-in Insulation	None Detected	N/A
10	Stair Tread Glue	Assumed	
11	Window and Door Caulk	Assumed	
12	Expansion Joint Caulk	Assumed	
13	Stucco	None Detected	N/A
14	Fire Doors	Assumed	
15	Ceramic Tile Wet Bed	Assumed	
16	Roofing	Assumed	
17	Tar Paper associated with Roofing	Assumed	

3.24 Housing IV Building 88

Table 24 - Analytical Results Summary Stockton University Housing IV Apartments - Building 88			
ID #	**Material**	**PLM Results**	**TEM Results**
01	12” x 12” Tan and Beige Marble Tile	Assumed	
01A	Glue associated with 12” x 12” Tan and Beige Marble Tile	Assumed	
02	Tan Cove Base	Assumed	
02A	Glue associated with Tan Cove Base	Assumed	
03	Plumbers Paste	Assumed	
04	Sheetrock	None Detected	N/A
04A	Joint Compound	None Detected	N/A
05	12” x 12” Tan and White Marble Tile	Assumed	
05A	Glue associated with 12” x 12” Tan and White Marble Tile	Assumed	
06	12” x 12” Blue Marble Tile	Assumed	
06A	Glue associated with 12” x 12” Blue Marble Tile	Assumed	
07	Carpet Glue	Assumed	
08	Sink Undercoat	Assumed	
09	Blown-in Insulation	None Detected	N/A
10	Stair Tread Glue	Assumed	
11	Window and Door Caulk	Assumed	
12	Expansion Joint Caulk	Assumed	
13	Stucco	None Detected	N/A
14	Fire Doors	Assumed	
15	Ceramic Tile Wet Bed	Assumed	
16	Roofing Shingles	Assumed	
17	Tar Paper associated with Roofing	Assumed	

3.25 The Lodge at Lakeside

Table 25 - Analytical Results Summary Stockton University The Lodge at Lakeside - Building 117			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Drywall	None Detected	N/A
01A	Joint Compound	None Detected	N/A
02	Black Cove Base	None Detected	None Detected
02A	Glue associated with Black Cove Base	None Detected	None Detected
03	Carpet Glue	None Detected	None Detected
04	2’ x 2’ Fissure Dot Ceiling Tile	None Detected	N/A
05	12” x 12” Tan with Olive Floor Tile	None Detected	None Detected
05A	Mastic associated with 12” x 12” Tan/Olive Floor Tile	None Detected	None Detected
06	Brown Cove Base	None Detected	None Detected
06A	Mastic associated with Brown Cove Base	None Detected	None Detected
07	2’ x 2’ Cubed Ceiling Tile	None Detected	N/A
08	12” x 12” Pink Floor Tile	None Detected	None Detected
08A	Mastic associated with Pink Floor Tile	None Detected	None Detected
09	Plumbers Paste	None Detected	None Detected
10	2’ x 2’ Small Dot Ceiling Tile	None Detected	N/A
11	2’ x 4’ Drywall Ceiling Tile	None Detected	N/A
12	Red Fire Stop Caulk	None Detected	None Detected
13	Door Caulk	None Detected	None Detected
14	Window Caulk	None Detected	None Detected
15	Building Caulk	None Detected	0.40% Chrysotile

3.26 Housing V Ivy Hall

Table 26 - Analytical Results Summary Stockton University Housing V-Ivy Hall - Building 120			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Sheetrock	None Detected	N/A
01A	Joint Compound	None Detected	N/A
02	Gray Cove Base	Assumed	
02A	Glue associated with Gray Cove Base	Assumed	
03	Carpet Glue	Assumed	
04	Ceramic Tile Wet Bed	Assumed	
05	2’ x 4’ Cubed Ceiling Tile	None Detected	N/A
06	Wood Floor Underlay	Assumed	
07	Plumbers Paste	Assumed	
08	Dark Gray Sheet Flooring	Assumed	
08A	Glue associated with Dark Gray Sheet Flooring	Assumed	
09	Light Gray Sheet Flooring	Assumed	
09A	Glue associated with Light Gray Sheet Flooring	Assumed	
10	Sink Undercoat	Assumed	
11	Stair Tread Glue	Assumed	
12	Duct Seam Glue	Assumed	
13	Fire Door	Assumed	
14	Roof Material	Assumed	
15	Exterior Caulk	Assumed	

3.27 Housing V Juniper Hall

Table 27 - Analytical Results Summary Stockton University Housing V-Juniper Hall - Building 121			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Sheetrock	None Detected	N/A
01A	Joint Compound	None Detected	N/A
02	Light Gray Cove Base	Assumed	
02A	Glue associated with Light Gray Cove Base	Assumed	
03	Carpet Glue	Assumed	
04	Ceramic Tile Wet Bed	Assumed	
05	2’ x 4’ Cubed Ceiling Tile	None Detected	N/A
06	Wood Floor Vapor Barrier	Assumed	
07	Plumbers Paste	Assumed	
08	Dark Gray Sheet Flooring	Assumed	
08A	Glue associated with Dark Gray Sheet Flooring	Assumed	
09	Light Gray Sheet Flooring	Assumed	
09A	Glue associated with Light Gray Sheet Flooring	Assumed	
10	White Sink Undercoat	Assumed	
11	Stair Tread Glue	Assumed	
12	Duct Seam Glue	Assumed	
13	Fire Door	Assumed	
14	Roof Field and Flashing	Assumed	
15	Exterior Caulk	Assumed	

3.28 Housing V Kerria Hall

Table 28 - Analytical Results Summary Stockton University Housing V-Kerria Hall - Building 122			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Sheetrock	None Detected	N/A
01A	Joint Compound	None Detected	N/A
02	Gray Cove Base	Assumed	
02A	Glue associated with Gray Cove Base	Assumed	
03	Carpet Glue	Assumed	
04	Wood Floor Underlay	Assumed	
05	Ceramic Tile Wet Bed	Assumed	
06	2’ x 4’ Cubed Ceiling Tile	None Detected	N/A
07	Light Gray Sheet Flooring	Assumed	
07A	Glue associated with Light Gray Sheet Flooring	Assumed	
08	Dark Gray Sheet Flooring	Assumed	
08A	Glue associated with Dark Gray Sheet Flooring	Assumed	
09	Sink Undercoating	Assumed	
10	Duct Seam Glue	Assumed	
11	Plumbers Paste	Assumed	
12	Stair Tread Glue	Assumed	
13	Exterior Caulk	Assumed	
14	Roof Field and Flashing	Assumed	
15	Fire Door	Assumed	

3.29 Housing V Laurel Hall

Table 29 - Analytical Results Summary Stockton University Housing V-Laurel Hall - Building 123			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Sheetrock	None Detected	N/A
01A	Joint Compound	None Detected	N/A
02	Gray Cove Base	Assumed	
02A	Glue associated with Gray Cove Base	Assumed	
03	Carpet Glue	Assumed	
04	Wood Floor Vapor Barrier	Assumed	
05	Ceramic Tile Wet Bed	Assumed	
06	2’ x 4’ Cubed Ceiling Tile	None Detected	N/A
07	Light Gray Sheet Flooring	Assumed	
07A	Glue associated with Light Gray Sheet Flooring	Assumed	
08	Dark Gray Sheet Flooring	Assumed	
08A	Glue associated with Dark Gray Sheet Flooring	Assumed	
09	Sink Undercoating	Assumed	
10	Duct Seam Glue	Assumed	
11	Plumbers Paste	Assumed	
12	Stair Tread Glue	Assumed	
13	Exterior Caulk	Assumed	
14	Roofing Field and Flashing	Assumed	
15	Fire Door	Assumed	

3.30 Housing V Maple Hall

Table 30 - Analytical Results Summary Stockton University Housing V-Maple Hall - Building 124			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Sheetrock	None Detected	N/A
01A	Joint Compound	None Detected	N/A
02	Light Gray Cove Base	Assumed	
02A	Glue associated with Light Gray Cove Base	Assumed	
03	Carpet Glue	Assumed	
04	Wood Floor Vapor Barrier	Assumed	
05	Ceramic Tile Wet Bed	Assumed	
06	2’ x 4’ Cubed Ceiling Tile	None Detected	N/A
07	Light Gray Sheet Flooring	Assumed	
07A	Glue associated with Light Gray Sheet Flooring	Assumed	
08	Dark Gray Sheet Flooring	Assumed	
08A	Glue associated with Dark Gray Sheet Flooring	Assumed	
09	Sink Undercoating	Assumed	
10	Duct Seam Glue	Assumed	
11	Plumbers Paste	Assumed	
12	Stair Tread Glue	Assumed	
13	Exterior Caulk	Assumed	
14	Fire Door	Assumed	
15	Roof Field and Flashing	Assumed	

3.31 Housing V Nectar Hall

Table 31 - Analytical Results Summary Stockton University Housing V-Nectar Hall - Building 125			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Sheetrock	None Detected	N/A
01A	Joint Compound	None Detected	N/A
02	Gray Cove Base	Assumed	
02A	Glue associated with Gray Cove Base	Assumed	
03	Carpet Glue	Assumed	
04	Wood Floor Vapor Barrier	Assumed	
05	Ceramic Tile Wet Bed	Assumed	
06	2’ x 4’ Cubed Ceiling Tile	None Detected	N/A
07	Light Gray Sheet Flooring	Assumed	
07A	Glue associated with Light Gray Sheet Flooring	Assumed	
08	Dark Gray Sheet Flooring	Assumed	
08A	Glue associated with Dark Gray Sheet Flooring	Assumed	
09	Sink Undercoating	Assumed	
10	Duct Seam Glue	Assumed	
11	Plumbers Paste	Assumed	
12	Stair Tread Glue	Assumed	
13	Exterior Caulk	Assumed	
14	Roofing Field and Flashing	Assumed	
15	Fire Door	Assumed	

3.32 Carnegie Library

Table 32 - Analytical Results Summary Stockton University Carnegie Library - Building 154			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Sheetrock	None Detected	N/A
01A	Joint Compound	None Detected	N/A
02	2’ x 2’ Ceiling Tile with Fissures and Holes	None Detected	N/A
03	Brown Vinyl Cove Base	None Detected	None Detected
03A	Glue associated with Brown Vinyl Cove Base	-	None Detected
04	Paste on Fiberglass Pipe Insulation	None Detected	None Detected
05	2’ x 4’ Ceiling Tile with Fissures and Holes	None Detected	N/A
06	12” x 12” Tan Floor Tile with Black Specks	None Detected	None Detected
06A	Glue associated with 12” x 12” Tan Floor Tile	-	None Detected
07	Smooth Finish Coat Plaster	Assumed	
07A	Brown Coat Plaster	Assumed	
08	Brown and White Terrazzo Flooring	Assumed	
09	Carpet Glue	None Detected	None Detected
10	Spray on Fireproofing	None Detected	N/A
11	Vinyl Flooring Under Carpet	None Detected	None Detected
11A	Mastic associated with Vinyl Flooring	None Detected	None Detected

3.33 Nacote Creek

Table 33 - Analytical Results Summary Stockton University Nacote Creek Research/Training			
ID #	**Material**	**PLM Results**	**TEM Results**
Building 501			
01	Cream, Red, Blue Vinyl Sheet Flooring	None Detected	None Detected
01A	Glue associated with Cream, Red, Blue Sheet Flooring	-	None Detected
02	Tan, Brown, Red Vinyl Sheet Flooring	None Detected	None Detected
02A	Glue associated with Tan, Brown, Red Sheet Flooring	-	None Detected
03	Black Composite Lab Table Top	Assumed	
04	Paste Sealant on Fiberglass Insulation	None Detected	None Detected
05	Sink Undercoating	5% Chrysotile	N/A
06	Red Brown Vinyl Cove Base	None Detected	None Detected
06A	Glue associated with Red Brown Vinyl Cove Base	-	None Detected
07	Brown Vinyl Cove Base	None Detected	None Detected
07A	Glue associated with Brown Vinyl Cove Base	-	None Detected
08	Composite Peg Board	Assumed	
09	Black Sink Undercoat	-	None Detected
10	Carpet Glue	None Seen	
11	Drywall	None Detected	N/A
11A	Joint Compound	None Detected	N/A
Building 502			
521	Black Composite Lab Table Tops	Assumed	
522	Fiberboard Panels	Assumed	
523	Flue Cement	Assumed	
524	Brown Shingle Roofing	Assumed	
Building 503			
531	Black Composite Lab Table Tops Building	Assumed	
532	Drywall	Assumed	
533	Joint Compound to Drywall	Assumed	
534	Brown Vinyl Cove Base	Assumed	
535	Glue to Brown Vinyl Cove Base	Assumed	
536	Sink Undercoating	Assumed	
537	Brown Shingle Roofing	Assumed	
Building 504			
541	Drywall Behind Panels	Assumed	
542	Brown Vinyl Stair Tread	Assumed	
543	Glue to Brown Vinyl Stair Tread	Assumed	
544	Self-Adhesive Leaf Pattern Floor Tile	Assumed	
545	Carpet Glue	Assumed	
546	Brown Shingle Roofing	Assumed	
Building 505			
551	Brown Shingle Roofing	Assumed	

Table 33 - Analytical Results Summary Stockton University Nacote Creek Research/Training			
ID #	**Material**	**PLM Results**	**TEM Results**
Building 506			
561	Drywall	Assumed	
562	Joint Compound to Drywall	Assumed	
563	Brown Shingle Roofing	Assumed	
Building 507			
571	Brown Shingle Roofing	Assumed	
Building 508			
581	12” x 12” Brown Marble Pattern Floor Tile	Assumed	
582	Glue to 12” x 12” Brown Marble Pattern Floor Tile	Assumed	
583	Drywall	Assumed	
584	Joint Compound to Drywall	Assumed	
585	Textured Finish on Drywall	Assumed	
586	Flat Roofing on Trailer	Assumed	
Garage			
G1	Garage Roofing	Assumed	
Salt Shed			
SS1	Salt Shed Roofing	Assumed	

3.34 Parkway Building

Table 34 - Analytical Results Summary Stockton University Parkway Building - Building 866			
ID #	**Material**	**PLM Results**	**TEM Results**
01	Sheetrock	None Detected	N/A
01A	Joint Compound	None Detected	N/A
02	Blue Cove Base	Assumed	
02A	Glue associated with Blue Cove Base	Assumed	
03	2' x 2' Dotted Ceiling Tile	None Detected	N/A
04	Carpet Glue	Assumed	
05	12" x 12" Tan Floor Tile	Assumed	
05A	Glue associated with 12" x 12" Tan Floor Tile	Assumed	
06	12" x 12" Green Floor Tile	Assumed	
06A	Glue associated with 12" x 12" Green Floor Tile	Assumed	
07	12" x 12" Gray Floor Tile	Assumed	
07A	Glue associated with 12" x 12" Gray Floor Tile	Assumed	
08	Ceramic Tile Wet Bed	Assumed	
09	Gray Cove Base	Assumed	
09A	Glue associated with Gray Cove Base	Assumed	
10	12" x 12" Orange Floor Tile	Assumed	
10A	Glue associated with 12" x 12" Orange Floor Tile	Assumed	
11	White Sink Undercoat	Assumed	
12	24" x 24" White with Gray Streak Raised Floor Panels	Assumed	
13	Duct Seam Glue	Assumed	
14	Door and Window Caulk	Assumed	
15	Building Caulk	Assumed	
16	Roofing	Assumed	
17	Black Cove Base	Assumed	
17A	Glue associated with Black Cove Base	Assumed	
18	Fire Doors	Assumed	

3.35 Kramer Hall

Table 35 - Analytical Results Summary Stockton University Kramer Hall-Hammonton - Building 2526			
ID #	**Material**	**PLM Results**	**TEM Results**
01	12” x 12” Black and White Stone Floor Tile	Assumed	
01A	Glue associated with 12”x 12” Black and White Floor Tile	Assumed	
02	2’ x 4’ Suspended Ceiling Tile with Indents	None Detected	N/A
03	Paste on Fiberglass Insulation Ends	None Detected	None Detected
04	Drywall	None Detected	N/A
04A	Joint Compounds	None Detected	N/A
05	Glue to Carpet Squares	-	None Detected
06	Gray Vinyl Cove Base	None Detected	None Detected
06A	Glue associated with Gray Vinyl Cove Base	None Detected	None Detected
07	Gray Raised Dot Stair Rubber Tread	Assumed	
07A	Glue associated with Gray Raised Dot Stair Rubber Tread	Assumed	

Analysis revealed that five (5) of the materials sampled contain greater than 1% asbestos content by weight. Analysis also revealed three (3) materials that contain trace amounts of asbestos content. The analytical results were integrated into the Asbestos Inventory/Management Plan. The Management Plan provides historical documentation of confirmed, assumed, and non-asbestos containing materials throughout the campus. The location, approximate quantity, and condition of each confirmed and assumed asbestos containing material was documented during the inspection and can also be found in the Management Plan. Trace asbestos containing materials are not governed by USEPA regulations. As such, the location, quantity, and condition of these materials was not recorded during the inspection.

SECTION 4.0 DAMAGE ASSESSMENT

The location and condition of damaged confirmed and assumed asbestos containing materials was recorded in the Asbestos Inventory/Management Plan. Minor damage to floor tile was observed in Housing II Founders Hall and is not considered a hazard at this time. Continued applications of wax and sealant are recommended.

Materials containing less than 1% asbestos by weight are not considered Asbestos Containing Materials per the USEPA definition. However, in accordance with Part 1926.1101 (OSHA Asbestos Standard), EC recommends that engineering controls should be employed during removal of these materials to avoid potential asbestos fiber release.

Repair and/or removal of all identified asbestos containing materials must be completed by a State of New Jersey, Department of Labor and Workforce Development, licensed Asbestos Abatement Contractor. It is recommended that the asbestos abatement be completed by a New Jersey licensed Asbestos Abatement Contractor, which maintains pre-qualification for this discipline with the DPMC. Removal of friable ACM in quantities greater than 10 linear feet and/or 25 square feet will require compliance with New Jersey Administrative Code (N.J.A.C.) 5:23-8.

In-house Maintenance personnel who could potentially come in contact with ACM should receive, at a minimum, 2-hour Asbestos Awareness Training, as per AHERA/ASHARA and the United States Department of Labor, Occupational Safety and Health Administration, (OSHA) which has been adopted by the State of New Jersey, Public Employee Occupational Safety and Health (PEOSH), program. Under AHERA/ASHARA and OSHA/PEOSH, in-house individuals that receive 14-hour Asbestos Operations and Maintenance (O&M) Training, which also requires individuals to undergo annual medical examinations, including respiratory fit testing, can remove/disturb three (3) linear/square feet of ACM per year. The exception to the three (3) linear/square foot threshold is the application of wettable/adhesive lagging cloth. Maintenance personnel are prohibited from applying wettable/adhesive cloth to repair damaged insulation. All work involving the remediation/disturbance of greater than 3 linear/square feet of ACM must be performed by a licensed Asbestos Abatement Contractor. Such work will also require air sampling by a State of New Jersey, Department of Community Affairs, Asbestos Safety Control Monitoring (ASCM) Firm licensed for N.J.A.C. 5:23-8 projects.

EC recommends at a minimum, that periodic re-inspections be performed on the buildings that comprise Stockton University to document any changes in the condition of identified and assumed ACMs. The inspections should be performed by USEPA accredited AHERA Asbestos Building Inspectors.

SECTION 5.0 COMPONENTS OF THE ASBESTOS MANAGEMENT PLAN BINDER

Enclosed is one (1) set of binders, labeled as AHERA Asbestos Management Documentation. Referenced below is a brief description of each section and sub-section of the AHERA Asbestos Management Documentation binders.

1. REPORT COVER LETTERS section: With every inspection performed by EC, a cover letter is included. The cover letter outlines EC's observations with respect to the change in condition of previously assessed ACMs (i.e., repaired, removed, additional damage, etc.) and Management Plan compliance.

2. CONTRACTOR & SHORT-TERM WORKER NOTIFICATION section: When an outside contractor, such as Electrical, Plumbing, General Construction, etc., or a short-term worker, such as the Telephone Company, Cable Company, etc., performs work within the building, he/she must read the Contractor & Short-Term Worker Notification. This notification informs the individual to review the Re-inspection Report to determine if their work could potentially impact assumed/confirmed asbestos containing materials.

3. CONTRACTOR ACKNOWLEDGMENT section: This section contains forms which must be signed by a Contractor and/or Short-Term Worker which states that they are liable for disturbance of confirmed/assumed asbestos containing materials by their activities and not the Owner.

4. CORRESPONDENCES section: The Correspondences section is for maintaining information that is relevant to asbestos management within the building, between EC and the Owner.

5. INSPECTION REPORTS section: This section contains the Inspection Reports for the Building.

6. ABATEMENT ACTIONS section: For asbestos removal projects, an Abatement Activity Summary Report shall be generated by EC which summarizes the scope of work and all relevant documentation.

7. O&M RESPONSES section: For Operations and Maintenance (O&M) projects (small scale, short duration projects) supervised by EC which include, but are not limited to, encapsulation, limited enclosure, repair and limited removal of asbestos containing materials, an O&M Activity Summary Report shall be generated by EC which summarizes the scope of work and includes all relevant documentation.

8. MISCELLANEOUS DOCUMENTATION section: The Miscellaneous Documentation section is sub-divided into three (3) sections: Response Actions Records, Fiber Release Episode Records, and Bulk Sampling Records.

   Response Actions Records - This section is for the record keeping of the repair, limited removal, encapsulation and enclosure of asbestos containing materials by trained in-house personnel of the Facility.

Fiber Release Episode Records - Fiber release episode or potential fiber release episode reports are to be placed in this section.

Bulk Sampling Records - Bulk sampling reports, which include a summary of the work, Chains of Custody, Certificates of Analysis and certifications, shall be placed in this section.

SECTION 6.0 PROJECT LIMITATIONS/DISCLAIMERS

The Client should be aware that this survey did not incorporate destructive demolition to access hidden or obscured ACM. Concealed asbestos-containing materials, such as vinyl asbestos floor tile which has been overlaid with plywood, insulated piping lines in wall cavities, asbestos "nailcrete" below tongue and groove flooring, ACM on pipes buried in concrete slabs and other potential ACM which is inaccessible for sample extraction due to the physical coverage of the material were not sampled. EC does assure, however, that due diligence was observed in performing sampling as generally recognized by industry practices.

The Client should be advised that quantities referenced herein are estimates/approximations. Assumed asbestos containing materials are to be treated as asbestos containing materials until otherwise determined by appropriate sampling and analysis, in accordance with 40 CFR, Part 763, and N.J.A.C. 8:60 and 12:120, inclusive of utilizing USEPA accredited Asbestos Building Inspectors to collect the appropriate number of samples and an AIHA accredited laboratory that is a NVLAP participant.

Be advised that in July of 1989, the USEPA issued a final result banning asbestos containing products; however, in 1991, the regulation was overturned by the Fifth Circuit Court of Appeals, and certain non-friable organically bound (NOB) materials are still allowed to be used in the United States. Therefore, as per AHERA, there needs to be documentation that non-asbestos containing products have been installed, such as 12" x 12" vinyl composite floor tile and the associated mastic. Otherwise, prior to any demolition, renovation or other construction related activity being performed, not dependent upon the age of the structure or when previous renovations were completed, suspect NOB materials should be assessed, sampled and analyzed to verify that ACM shall not be impacted. This includes exterior materials as well.

The Asbestos Management Plan is a useful reference tool and mechanism for record keeping; however, it is recommended that prior to any work involving the disturbance of suspect ACM, such as regular maintenance, renovations, demolition, etc., which is not listed in the Management Plan, these materials be evaluated, and if necessary, appropriately sampled by an accredited USEPA AHERA Asbestos Building Inspector for analysis at an independent AIHA accredited laboratory that is a NVLAP participant. The client should be aware that this survey did not incorporate destructive demolition to access hidden or obscured ACM.

SECTION 7.0 RECOMMENDATIONS

The asbestos containing material inspections performed at multiple buildings throughout the Stockton University Campus System revealed five (5) asbestos containing materials and three (3**)** materials that contain trace amounts of asbestos content. Based on the results of our inspection, EC offers the following recommendations.

- Maintain an Asbestos Inventory Management Plan for the facility.
- Consult the Management Plan prior to all renovation activities.
- Should any previously unidentified suspect materials be discovered during renovation activities, all work should cease until the materials are sampled by an accredited asbestos building inspector.
- Employ a USEPA accredited Asbestos Project Designer to develop Plans and Specifications for any planned asbestos abatement projects.
- Utilize a New Jersey Department of Labor licensed Asbestos Contractor to abate asbestos containing materials to facilitate planned renovation activities in accordance with federal and New Jersey requirements for asbestos abatement in public buildings.
- Perform air monitoring in accordance with federal and New Jersey requirements for asbestos abatement in public buildings. EC recommends daily air monitoring during abatement activities in addition to clearance air monitoring at the completion of abatement.

Should you have any questions or require additional information, please contact the undersigned at your convenience.

Respectfully Submitted:
ENVIRONMENTAL CONNECTION, INC.

Jordan Reed
Project Manager