

ADVERTISEMENT FOR SEALED BIDS
SALE OF COUNTY PROPERTY
(Old Bethel School Property)

The Board of Commissioners of Cabarrus County has authorized the sale by sealed bid of the parcels of real estate (the "Property") attached as Exhibit A.

The County will accept sealed bids for the Property until noon, Friday, June 29, 2012, at the office of Mike Downs, County Manager, Second Floor, Cabarrus County Governmental Center, 65 Church Street, Concord, North Carolina. At noon on June 29, 2012, all bids received shall be opened in public and the amount of each bid announced and recorded. The record of bids shall be reported to the Board of Commissioners at their work session meeting on Monday, July 2, 2012.

The Board of Commissioners will determine the highest responsible bidder for the Property and may award the bid by its regular meeting on Monday, July 16, 2012. The Property is being sold "as is, where is". Bids will remain open and subject to acceptance until the Board of Commissioners awards the bid. For a bid to be considered, it must be in a minimum amount of \$10,000.00.

Each bid must be accompanied by a bid deposit of five percent (5%) of the amount of the bid. A bid deposit may take the form of cash, a cashier's check, a certified check, or a surety bond. The deposit of the bidder to whom the award is made will be held until sale of the Property is closed; if that bidder refuses at any time to close the sale, the deposit will be forfeited to the County. The deposits of other bidders will be returned at the time the Board of Commissioners awards the Property to the highest responsible bidder.

In order for a bid to be considered, the bidder must be current on payment of all property taxes owed to the County.

The County reserves the right to withdraw the Property from sale at any time and the right to reject all bids and the right to treat the high bid as an offer to purchase the Property and advertise the Property for upset bids.

Inquiries about sale of the Property may be made to the County Manager's office, Second Floor, Cabarrus County Governmental Center, 65 Church Street, Concord, North Carolina 28026. Inquiries related to the Property, including asbestos and lead based paint, should be addressed to Kyle Bilafer, General Services Director, at 704-920-3201.

**RESOLUTION AUTHORIZING AUCTION SALE
OF THE OLD BETHEL SCHOOL PROPERTY**

WHEREAS, Cabarrus County is the owner of parcels of land known as the Old Bethel School Property on Highway 24-27 (the "Property"), as indicated on the attached Exhibit A, which Property is surplus to its needs; and

WHEREAS, N.C. Gen. Stat. § 160A-268 permits the County to sell real property by advertisement and sealed bid.

THE BOARD OF COMMISSIONERS OF CABARRUS COUNTY RESOLVES THAT:

1. The Board of Commissioners hereby authorizes the sale by sealed bid of the Property indicated on Exhibit A.

2. The County will accept sealed bids for the Property until noon, Friday, June 29, 2012. Bids shall be delivered to the office of Mike Downs, County Manager, Second Floor, Cabarrus County Governmental Center, 65 Church Street, Concord, North Carolina.

3. At noon on Friday, June 29, 2012, all bids received shall be opened in public and the amount of each bid recorded. The record of bids shall be reported to the Board of Commissioners at their work session meeting on Monday, July 2, 2012.

4. The Board of Commissioners will determine the highest responsible bidder for the Property and may award the bid by its regular meeting on July 16, 2012. Bids will remain open and subject to acceptance until the Board of Commissioners awards the bid.

5. To be responsible a bid must be in an amount of not less than \$10,000.00 and must be accompanied by a bid deposit of five percent (5%) of the amount of the bid. A bid deposit may take the form of cash, a cashier's check, a certified check, or a surety bond. The deposit of the bidder to whom the award is made will be held until sale of the Property is closed; if that bidder refuses at any time to close the sale, the deposit will be forfeited to the County. The deposits of other bidders will be returned at the time the Board of Commissioners awards the Property to the highest responsible bidder.

6. In addition, to be responsible, a bidder must be current on payment of all property taxes owed to the County.

7. The County reserves the right to withdraw the Property from sale at any time and the right to reject all bids. The County may also elect to treat the highest responsible bidder as an offer to purchase the Property and advertise the Property for upset bids, pursuant to N.C. Gen. Stat. §160A-269.

8. The Property will be sold "as is, where is".

Adopted: May 24, 2012.

ATTEST:

/s/ Kay Honeycutt
Kay Honeycutt, Clerk to the Board

CABARRUS COUNTY
BOARD OF COMMISSIONERS

BY: /s/ Elizabeth F. Poole
Elizabeth F. Poole, Chair

EXHIBIT A

[Former Bethel Elementary School Property]

LYING AND BEING in No. 10 Township, Cabarrus County, North Carolina, and being more particularly described as follows:

PARCEL 1:

Being all of the property described in the deed recorded in Book 111 at Page 392, Cabarrus County Registry (which as explained below, includes all of the property described in the deed recorded in Book 201 at Page 53, Cabarrus County Registry) and being described in said deed as follows:

Beginning at an iron stake N. 1 ¼ E. 25 feet from the Second Southern Bell Telephone Post on the South side of the Road or Charlotte-Albemarle Highway, said post being number 2 from the Bethel Concord Highway; said iron stake being in center of the Charlotte Albemarle Highway and runs thence through said Telephone Post S. 1 ¼ W. 200 feet to an iron stake in field; thence S. 40 E. 600 feet in a field; thence S. 72 ½ E. 327 feet to an iron stake in the Bethel Private Road; thence with said road N. 44 ¼ E. 250 feet to an iron stake in the Bethel Private Road; thence N. 41 ¾ W. 250 feet to a Post Oak in edge of a field; thence N. 1 ¼ E. 376 feet to an iron stake in Center of the Charlotte Albemarle Highway, thence with said Highway N. 88 ¾ W. 709 feet to the beginning, containing Nine and six-tenths acres more or less.

A portion of the property described in the deed recorded in Book 111 at Page 392, Cabarrus County Registry, was conveyed out to Wriston C. Reeder by deed recorded in Book 144 at Page 37, Cabarrus County Registry, and the same portion of said property was re-conveyed by Wriston C. Reeder and wife to The Board of Education of Cabarrus County by deed recorded in Book 201 at Page 53, Cabarrus County Registry.

PARCEL 2:

Being all the property described in the deed recorded in Book 196 at Page 219, Cabarrus County Registry, and being described in said deed as follows:

BEGINNING at an iron stake in the center of Highway No. 27 and runs S. 1 W. 200 feet to an iron stake; thence S. 5 W. 341 feet to an iron stake, corner of Bethel School lot; thence with Bethel School Lot N. 41 ¾ W. 250 feet to an iron stake, corner of Bethel School Lot; thence with said lot N. ¼ E. 376 feet to an iron stake in the center of Highway No. 27, corner of Bethel School lot; thence with Highway No. 27 S. 89 E. 177 feet to the BEGINNING, and is a part of the property conveyed to James A Morrison and wife, Minnie Morrison, by Reece B. McEachern and wife, Emma V. McEachern, by deed dated October 3, 1938, and recorded in Record of Deeds No. 148, Page 310.

7599
0276

BOOK 7599 PAGE 276

PARCEL 3:

Being all the property described in the deed recorded Book 259 at Page 56, Cabarrus County Registry, and being described in said deed as follows:

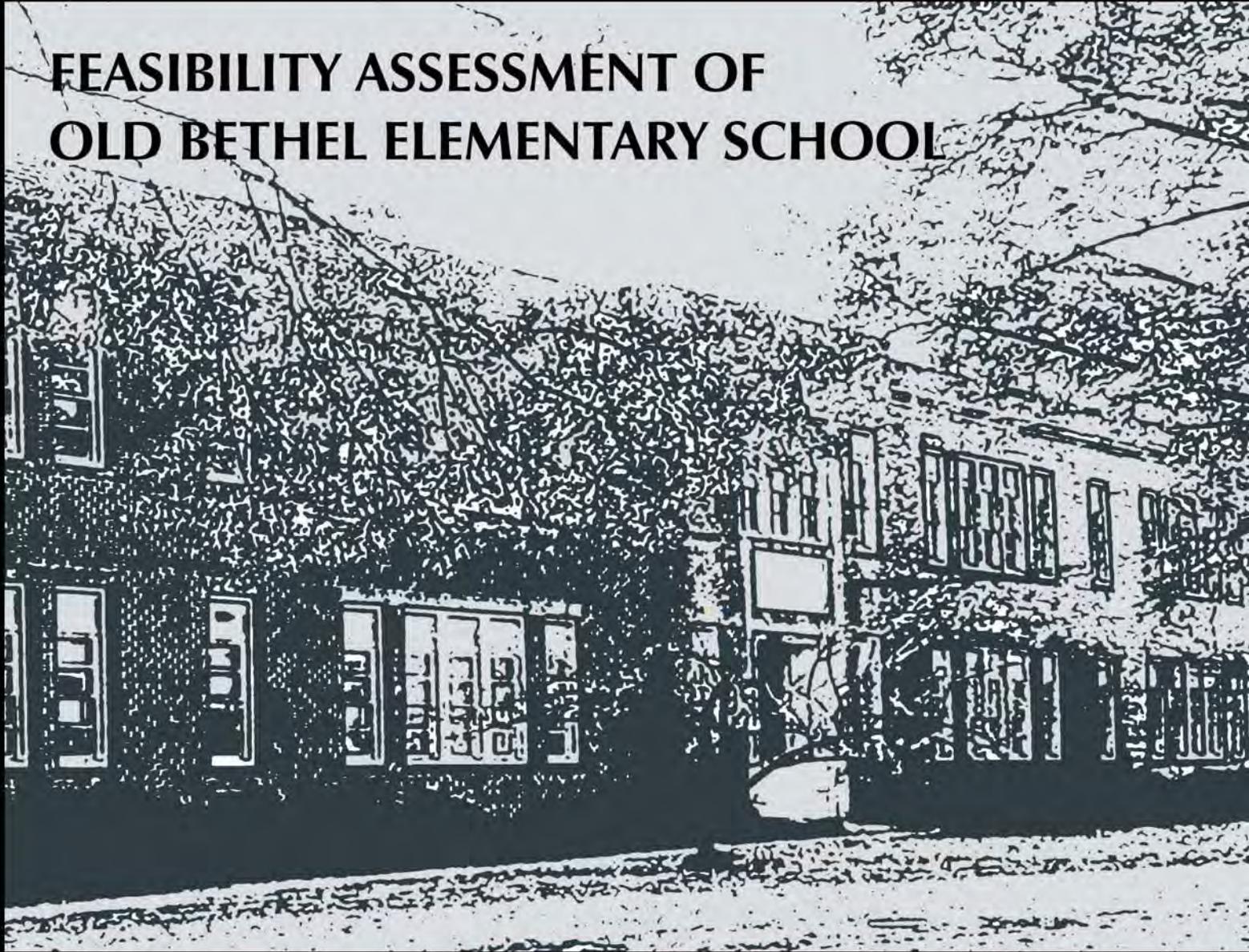
BEGINNING at an iron stake in the center of a county road leading from N. C. Highway No. 27 to Cabarrus County Station, corner of Bethel School and running thence along a ditch and with two lines of Bethel School as follows: 1st N. 71-49 W. (passing an iron stake at 28 feet) 327.0 feet to an iron stake and 2nd N. 39-53 W. 213.8 feet to an iron stake in the line of Bethel School, a new corner; thence two new lines as follows: 1st S. 4-08 W. 200.6 feet to an iron stake and 2nd S. 63-49 E. (passing an iron stake near bank of the road at 398.0 feet) 428.0 feet to an iron stake in the center of the county road; thence with said road N. 32-04 E. 145.3 feet to the beginning.

LESS AND EXCEPTING from the parcels described above the property conveyed to the Department of Transportation by deed recorded in Book 1224 at Page 54, Cabarrus County Registry.

YATES ■ CHREITZBERG ■ HUGHES



FEASIBILITY ASSESSMENT OF OLD BETHEL ELEMENTARY SCHOOL



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December 5, 2005

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DESCRIPTION OF FEASIBILITY ASSESSMENT

The Board of Commissioners of Cabarrus County has requested a Feasibility Assessment, including Pre-Design Services, with regard to potential utilization of the former Bethel Elementary School and site located in Midland, North Carolina.

The Scope of Services provided for the Assessment contained herein are as follows:

- Prepared basic existing conditions drawings as compiled from existing site and building drawings and field observations.
- Conducted programming interviews with representatives of proposed building occupants, which included county and municipal offices and community organizations.
- Developed a Program of Spaces for comparison with existing available spaces.
- Determined applicable regulatory requirements and current code compliance for the project.
- Performed field observations and existing conditions assessment, including site work, architectural, plumbing, mechanical and electrical systems.
- Evaluated information regarding existing utilities available at the site.
- Reviewed available information regarding presence of hazardous materials and made recommendations for securing additional assessments.
- Prepared a Pre-Design Report identifying viability of existing systems, basic design factors, program requirements, site utilization, internal functions, traffic and circulation and general space allocations.
- Prepared an Opinion of Probable Cost for implementation of each part of the project and also for demolition of each part of the project.

Throughout the course of the Assessment, existing drawings were reviewed and several visits to the site to observe existing conditions were made with consulting civil, structural, plumbing, mechanical and electrical engineers. The civil and mechanical engineers utilized both had specific knowledge of the buildings and site, having provided design services for this campus in the past. A Building and Accessibility Code search was conducted and other current regulations were reviewed. In addition, an on-site meeting was conducted with an asbestos and hazardous materials surveyor who also had extensive knowledge of the existing buildings.

Interviews were also conducted with municipal agencies and community groups to solicit input for the development of a Program of Spaces.

Finally, input from local general contractors and subcontractors, in addition to the consulting engineers, was utilized to develop an Opinion of Cost for various parts of the project. The results of this process are contained within the following report.

SITE

Description

The old Bethel Elementary School site consists of approximately 10.5 Acres and is located on Highway 24/27 near the intersection with Bethel Church Road in the Town of Midland. The lower end of the property also abuts JM Sossamon Road near the new Bethel Elementary School Replacement, which opened about a year and a half ago. The site contains approximately 900 feet of frontage along Highway 24/27 and slopes continuously from the road toward the back of the property. In fact, there is about a 35-foot grade change across the middle part of the site.



The campus is comprised of 5 abandoned buildings built at various times between 1928 and 1958 that are connected by series of concrete walks with metal canopy covers. The site also contains 3 ball fields of varying sizes and a fenced area with playground equipment. The two larger ball fields contain chain link fencing, backstops and nets, dugouts and various small announcer's / scoring towers and a concessions and toilet building. The larger field has about four rows of concrete bleachers. Access to the site is provided by 3 curb cuts from Highway 24/27, two of which are closely located. Although the site contains a significant amount of asphalt paving, only about 45 dedicated parking spaces are provided. Minimal circulation, via a one-lane asphalt access drive, is provided around all of the buildings and down to the ball fields.

The property is located in Cabarrus County and zoned LC, or Limited Commercial, and is surrounded by residential properties. This zoning provides relatively small scale commercial and office development at an intensity complementary to residential land use. The building setbacks are: 30' front yard, 20' side yard and 5' rear yard. The allowable height for a principle structure under the current zoning ordinance is 40 feet. The allowable impermeable surface coverage is 75% and structural coverage is 50%.

Existing Infrastructure and Utilities

Power to all of the buildings is provided from a single overhead pole-mounted transformer located in the center of the site. Power feeds to each of the buildings are overhead from this transformer, and the campus has a single electrical meter. Except for the ball field area, the campus has very little site lighting. A telephone distribution panel is located at the edge of the property near the playground and is presumed to serve the surrounding community.

The site contains very little underground storm drainage. Most of the storm water sheet flows across the asphalt paving or is diverted by open ditches or concrete flumes to the lower part of the site near the ball fields. A very minor part of the building roof drainage is piped out of the buildings underground; most of it spills to grade from external downspouts. Any underground piping eventually spills on grade or into open gutters on site.

The campus is served by a 12" waterline owned and maintained by the City of Concord that was

installed in the 1980's and later relocated along with the improvements to Highway 24/27. Two fire hydrants along the frontage to Hwy 24/27 were also installed at that time. Water service to the site is provided by a 4" water line which contains a single meter and backflow preventer in underground vault that were installed at the same time as the water line. This water line is connected to the existing on-site distribution system installed in the late 1950's when the site was served by a well system and above-ground storage tank. Sewer service is provided by an on-site collection system, septic tank and above-ground drain field at the lowest part of the site behind the ball fields. The newest parts of the collection system were installed in the late 1950's also.

The site is reported to have previously housed a 1,000-gallon underground fuel storage tank that has been removed and filled. Before abandonment, the boilers in Buildings A and E were fed by 2 above ground fuel tanks, which have been removed in the last few months.

Existing Condition

With the exception of the water line and fire hydrants, many of the site improvements are almost 50 years old and have deteriorated significantly. The asphalt paving is in very poor condition throughout the site due to cracking and numerous potholes. The walkway covers between buildings are all in poor condition, rusting and are ponding water. All of the storm water runs off site in an uncontrolled manner, most of it down through the ball field area. Much of the underground water distribution and sewer collection systems were installed in the late 1950's and have shown evidence of being in poor condition due to ongoing operational problems reported by Cabarrus County Schools.

Power is supplied to the site from overhead poles routed through the middle of the site and all of the electrical feeds are from an overhead pole-mounted transformer. Dozens of wires are strung from the pole to the various buildings. Many of the main distribution and other electrical panels are mounted on the exterior of the buildings.

The ball fields and playground have continued to be utilized by the community after the abandonment of the buildings. The very small upper ball field and playground appear to be in decent shape. The playground contains an area paved with asphalt for basketball which is cracked and partially covered with weeds and in need of removal or repair. The lower ball fields show evidence of drainage problems, since most of the storm water from the site drains down through this area. The concrete bleachers, chain link fencing and backstops and dugouts appear to be in adequate condition for continued use by the community with minor repairs. However, many of the light fixtures in the ball field areas have been removed from the poles due to instability and possible falling.

The toilet and concessions building was padlocked and not accessible. Utilities to this building have been shut off and portable toilets placed on site. The various announcer's / scoring towers and concessions / toilet building seem to be in useable condition from the exterior, although the interior conditions are not known at this time.

Current Code Compliance

The existing site and building structures comply with the Cabarrus County Zoning Ordinance for type of use, setbacks, size, height and area of impermeable surfaces. The property would also support a change in use from Educational to Business, since it is zoned Limited Commercial. In addition, some or all of the buildings could be demolished and the site redeveloped as office, commercial or recreation and comply with the zoning ordinance.

The site is currently served by adequate water supply and backflow prevention for domestic water. The two existing fire hydrants are adequate to serve the front of the site, but the rear two buildings exceed the allowable distance of 400 feet from a fire hydrant. In addition, depending on the water pressure and flow rate, the main water line may need to be increased or a separate fire water line provided if the some of the existing buildings are to be sprinkled as expected. Fire department connections would also need to be provided on site adjacent to the buildings which require sprinklers.

The current sanitary sewer septic tank, pump, underground piping and drain field have been previously documented to have deteriorated and experienced significant ongoing problems in the past. The Cabarrus County School System has previously been fined by the North Carolina Department of Natural Resources (NCENDR) for non-compliance of discharge in August of 1998. Records indicate the Water and Sewer Authority of Cabarrus County (WSACC) has been monitoring the facility since April of 1996 at a cost of \$725.00 per month. The system was shut down after the facility was abandoned by the School System about a year and a half ago. As previously mentioned, storm water runs off site in an uncontrolled manner which is prohibited by current development regulations.

Though not a code issue, it must be noted that due to site constraints, none of the ball fields conform to regulated sizes. The upper field is very small and probably only used for tee-ball and other small youth games. The two lower fields are oddly shaped due to the septic drain field and property lines.

Required Remedial Work

Prior to further development of the site, an environmental survey of hazardous materials and soil contamination must be performed with regard to previous underground fuel tank, septic tank and any materials identified removed. No records of site environmental studies have been provided.

Most of the asphalt paving should be removed and replaced on re-compacted earth and stone base. The access road to the back buildings and ball fields should be widened to 2 full lanes for emergency access if the ball fields continue to be utilized. Grades throughout the paved and other site areas should be adjusted and storm water inlet structures with underground piping installed to better direct and discharge the run-off. Depending on the ultimate use of the buildings, additional asphalt areas for parking and more concrete walks for access to buildings should also be installed. Any significant increase to the impervious area may require on-site storm water retention according to the current ordinances.

A new fire water line needs to be installed to supply buildings that require sprinkler systems and also at least one additional fire hydrant added near the middle of the site. The existing underground water distribution and sewer piping are close to 50 years old and in need of complete replacement.

The main power supply and transformer should also be relocated from overhead in the middle of the site to a more accessible location on the perimeter and main feeders to the buildings buried under ground. Better site and parking lot lighting should be provided for safety. In addition, new lighting fixtures could be installed in the ball field and playground areas, since the poles and power are already provided.

The septic tank, pump and especially drain field are in need of repair in order to conform to NCDENR regulations. Current estimates to bring the septic system into compliance are in excess of \$100,000 in addition to the monthly charges by WSACC. An alternative to repairing and maintaining the existing system is to provide a gravity sewer line down to the new Bethel Elementary School site. Tim Lowder of WK Dickson, Civil Engineer for the new Bethel School, indicates the sewer system at the new site was designed to accommodate the sewer discharge from this facility also. He indicated that a gravity line to the new Bethel Elementary School would cross a road and five parcels of property, extending 3000 linear feet from the current site. Tim estimated the cost for this to be approximately \$250,000 (not including right-of-way purchase, if necessary). In this case, monthly charges would be normal sewer rates for metered water usage and monitoring fees would not be required.

Potential Uses

Potential uses for the various buildings are covered elsewhere in this report. The Cabarrus County Parks and Recreation Department indicated the ball fields could not be utilized for competitive leagues, since none conformed to regulation sizes under the current configuration. In addition, sufficient toilets, concessions, drainage, parking and emergency access were hindrances for development by Parks and Recreation Department. However, The department also noted this part of the county does not have a dedicated park, and this may be a good opportunity for such a park, since the site is not large enough to develop with a sufficient number of competitive-sized ball fields and support facilities.

Representatives from the Town of Midland indicated a strong desire to develop parts of the site as a community park and outdoor festival space. The Bethel Athletic Organization provided no input for the site.

Opinion of Probable Renovation Cost for Site

The following represents an estimated cost to renovate the existing site:

• Allowance (minimal) for contaminated soil	\$ 50,000
• Demolition, including removal of covered walks and septic tank	\$ 25,000
• Remove and replace asphalt paving, access drives and provide additional parking, walks and landscaping at front of site	\$ 225,000
• Storm drainage	\$ 75,000
• Water and sewer distribution / collection underground piping	\$ 50,000
• Sanitary sewer off site	\$ 250,000
• Electrical	\$ 25,000
• Site lighting	\$ 50,000
• Allowance for remedial work to ballfields, lighting, playground and concessions / toilet buildings	<u>\$ 150,000</u>
Subtotal	\$900,000
Unassigned Contingency of 10%	<u>\$ 90,000</u>
TOTAL	\$990,000

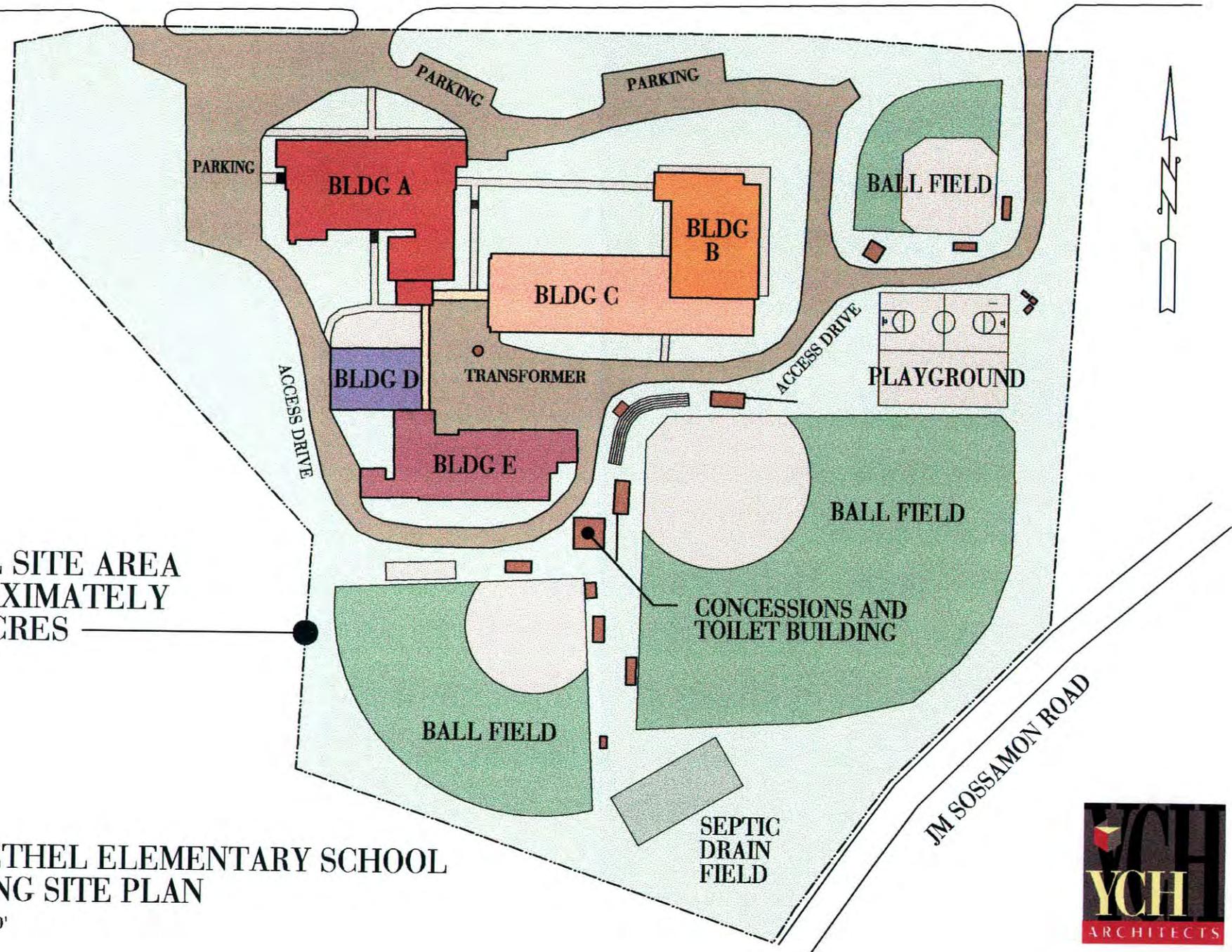
Due to the extent of unknown factors at this time, such as final use of site, unknown and presently concealed conditions, potential of contaminated soil and similar factors, it is recommended that an unassigned contingency of 10% be provided for the project until more information is known.

Opinion of Probable Demolition Cost for Site

The following cost includes work for the 6 acres of the site presently occupied by buildings, parking and paving. It does not include any work to the existing ball fields or playground areas.

• Asbestos removal (allowance)	\$ 225,000
• Demolition of all buildings (allowance)	\$ 325,000
• Demolition of asphalt / concrete paving and rough grading of site - except for ball field areas (\$15,000 / acre)	\$ 90,000
• Erosion control (\$ 2,000 / acre)	<u>\$ 12,000</u>
TOTAL	\$652,000

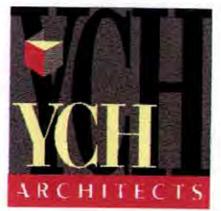
HIGHWAY 24/27



TOTAL SITE AREA
APPROXIMATELY
10.5 ACRES

OLD BETHEL ELEMENTARY SCHOOL
EXISTING SITE PLAN

SCALE: 1"=100'



SITE PHOTOS



BUILDING A

Description

Building A is mostly a two-story building that contains a partial third story due to a lower level under a small portion of the main level. This lower level is not considered a basement by the building code, since it has exits close to grade (and does not require exit up through the main level). Records indicate this building was originally constructed in 1927 and has evidence of two later additions of classrooms and a stair. It was previously utilized as an elementary school classroom, auditorium, media center and administrative building. This building is the most prominent on the campus due to the siting (it is located on the highest part of the site), architectural design / detailing and height.



The building consists of approximately 30,672 total square feet. It is comprised of 3,356 square feet on the lower level (1,426 sf for boiler / coal storage, 1,930 sf occupiable space); 14,565 square feet on the main level; and 12,743 square feet on the upper level. The main level contains a space originally utilized as an auditorium with stage which is 2 stories in height and contains a second level balcony. This area was later converted to a media center. The building has 3 stairs located on the exterior of the building, 2 of which are open-air. The building does not contain an elevator. Original construction documents for this building were not provided for the purpose of this study and are presumed not to be available due to the age of the structure. Therefore, the exact nature of the construction methods is limited to that which is readily visible.

The building is constructed with multi-wythe brick bearing walls on a crawl space foundation with wood framed floors and sub-floors. The roof is minimally sloped built-up asphaltic material on what is presumed to be wood structure. It has a masonry parapet wall with a precast concrete cap around the entire perimeter. The roof drains to scuppers which have collectors and downspouts that spill out to grade. The interior walls appear to be wood framed with the corridor walls most probably serving as bearing walls for the second floor and roof structures. Due to the multi-wythe brick wall construction, the walls have no insulation, air space or secondary weather barrier, which are standard in modern construction. The exterior windows have been replaced from the original and appear to be about 20 years old.

The building cooling system is comprised of individual split-system cooling units with air handlers in various closets dispersed on each of the floors and condensing units located on the roof. These units typically serve only one or two of the existing rooms with ductwork above the lay-in ceilings. Heating is provided by a steam generating boiler on the lowest level to radiator units throughout the building; however, the boiler and fuel tank have both been removed. The building's electrical system is served from a pole-mounted transformer to a number of panels throughout the building. The rooms have very minimal power and data / telephone outlets. Light fixtures are mostly 2x4 lay-in with magnetic ballast installed around 1982. The building utilizes a rudimentary fire alarm system that was also installed around 1982. The water piping is a combination of copper and galvanized steel, and the sewer piping is reported to be terra cotta.

Existing Condition

The building has been vacant for about a year and a half with the plumbing, mechanical and electrical systems having been completely shut down. The interior of the building has significant damage, apparently from vandalism - such as broken windows, damage to lay-in ceilings, holes in plaster/drywall walls, damaged HVAC units and plumbing fixtures, etc. The newest components of the mechanical and electrical systems are between 20 and 25 years old and at the very end of their normal life expectancy. The majority of the plumbing system is much older due to the piping concealment below grade and within walls of the building. Almost all of the accessible copper piping has been removed, and the galvanized piping has deteriorated significantly.

There is evidence on the interior of several significant roof leaks. In addition, it has been reported that the brick exterior walls are very porous and water has “wicked” through to the inside and damaged finishes applied to the exterior wall. The Cabarrus County Schools have indicated a sealer was applied to the exterior brick as a temporary measure to alleviate the moisture penetration to the inside, which was provided only as a temporary topical solution and will need to be reapplied soon. The roof showed significant blistering and bubbling throughout the entire surface. Two areas of standing water were observed on the roof, which were located near the areas of the water damage on the interior. An asphaltic material has been applied to the top surface of the precast concrete parapet wall cap. The porous nature of the precast material and the joints between individual pieces usually allow water down into the exterior wall, which is most likely why the asphaltic material has been applied.

The building appears to be in satisfactory condition structurally. Although several cracks in the exterior wythe of brick are evident from the outside (some of which have been previously patched), there is no visible evidence of significant structural instabilities in the masonry exterior bearing walls. However, the mortar joints near at the top of the wall have deteriorated, presumably due to water passing through the parapet wall from the roof side. The wood floor above the crawl space on the main level shows some evidence of termite damage, and the joists have been shored up from the crawl space below in some locations. This damage to the wood floor joists appears to be isolated to the bearing pockets within the brick foundation walls, which is very typical in buildings of this construction and age. However, the floor shows no signs of failure at this time. Further investigation into the presence of active termites and the extent of damage should be pursued.

The building has been previously documented to include asbestos-containing materials, such as pipe insulation, floor tiles plaster and drywall joint compound. In fact, almost all of the flooring throughout the building (except the ceramic tile in the toilets) is tile documented to contain asbestos. There may also be areas of contamination in and around the building due to a previous coal boiler and underground fuel tanks. Further studies into hazardous materials must be investigated prior to any proposed development.

Current Code Compliance

According to the 2002 Edition of the North Carolina Building Code (NCBC), this building is classified as a Type V B (five B) construction, which includes buildings with combustible (including wood) bearing walls and floors. It is expected, for the purpose of this study, that the occupancy will be Business (or B). According to the NCBC, the allowable height and building areas for this type construction and occupancy are 40 feet in height above grade, 2 stories and 9,000 square feet per floor. The code allows for an area increase if a 30 foot open space is maintained around the

building, which this building does have. This would increase the allowable area 75 percent to 15,750 square feet per floor (the main level is currently 14,565 square feet). This increase would bring the building into compliance for the area requirements of the new code, but would not affect the allowable number of stories or height as the building is more than 2 stories and 40 feet high above grade at the rear portion that is 3 stories high. However, this 30 foot uninterrupted open space must be maintained, and no other building could ever be physically attached to it without additional measures, such as exterior fire walls. Due to the non-compliance of the height and number of stories with the current code, a sprinkler system would be required to bring this building closer to code compliance.

The egress width, number and arrangement of exits conform to the current building code as there are 5 exits from the building. Under the current plan, the second level has a dead end corridor which is fairly easily corrected by the addition of a door. However, only one exit provides handicap accessibility to grade without the use of stairs - which is described in the next paragraph. If the auditorium with stage is utilized, a one hour fire rating will be required around the room and the corridors providing exit from it. The one hour rating of the auditorium will be difficult and expensive to achieve due to two story volume of the space and the construction methods of the building; however, the building officials may allow some flexibility on this issue if the building is sprinkled. The auditorium area does have a direct exit to the exterior; however, the exit doors are at least 8 feet above grade and are not handicap accessible due to the exit stairs.

The current building has no elevator and only one exit that is compliant with the North Carolina Building Accessibility Code, which is at the front door facing Highway 24/27. The rest of the exits are several feet above grade and currently provide stairs down. Access to grade from these exits may require the addition of handicap accessible ramps with a maximum slope of 1 in 12. In fact, one exit from a corridor on the main level is 6 to 8 feet above grade and would consequently require a ramp of 72 to 96 feet long with several intermediate landings. Since the building is required to have a sprinkler system, it could be negotiated to require only two of the exits to be handicap accessible to grade and the others have designated areas of rescue assistance. Otherwise, the number, size and arrangement of exits is adequate. The North Carolina Building Accessibility Code requires an elevator for "All buildings of State, County or Municipal government, or any government agencies, two stories or more in height." Therefore, an elevator will be required for this building to be used as municipal offices.

The current heating and cooling systems include no provisions for fresh air intake or ventilation which are both required by today's codes. The current toilets do not meet the North Carolina Building Accessibility Code for size of stalls and overall size of toilet rooms and must be significantly enlarged. If the building is to be utilized for Business occupancy, the code requires 8 waterclosets and 4 lavatories for women, and 4 waterclosets/urinals and 3 lavatories for men to be evenly dispersed throughout the building. The building currently has 12 waterclosets and 6 lavatories for girls/women with 12 waterclosests and 4 lavatories for men in addition to several toilets throughout the main level for children and lounge areas. Therefore, the existing number of fixtures is adequate for the intended new use. However, the size of the rooms does not meet the handicap code. The arrangement and location appears logical to support the proposed development for the building. In addition, since the main level of the building is located above an accessible crawl space, the toilets are more easily relocated if necessary.

Most of the electrical wiring and panels are not in compliance with the current code. The wiring is not sized or encased in modern shielding material per the current electrical code, and some wiring

is exposed on both the interior and exterior of the building. Many of the electrical panels are installed high on the walls (presumably out of school children's reach). This is also out of code compliance, since all breakers must be no more than 60" above the floor.

Required Remedial Work

Prior to any development of the building, a complete asbestos and hazardous materials survey must be performed and any materials identified removed. The Cabarrus County Building Department will require a current asbestos report prior to issuing a permit for any demolition or building activities. An asbestos survey has been performed and visually updated for the facility. However, this study is long out of date, and the building may actually contain more hazardous materials than indicated in previous reports due to more sophisticated modern testing methods.

As previously indicated, a sprinkler system and elevator must be added in order to bring the building into to current code and handicap compliance. The existing mechanical and electrical systems are past their normal life expectancy and have been dormant for the last 1 ½ years - which is usually fatal for older systems, cooling units especially. The boiler supplying steam to the heating system has been removed. In addition, the building is not provided with any ventilation system which is required by the current Building Code. Therefore, the electrical and mechanical systems need to be completely replaced. The HVAC system is best replaced with several split system heat pump units dispersed in closets with condensers on the roof. This is similar to the existing cooling system, except would provide heating, cooling and ventilation. The plumbing systems are also in need of complete replacement due to age and deterioration, including sewer piping below grade in the crawl space and on the site. The toilets will also need to be totally replaced to meet the current handicap code requirements.

The building is in need of a complete new roofing system. This is also the best opportunity to provide insulation for the building, since it cannot be provided within the existing walls. A significant amount of heat gain in a typical building is through the roof surface. The existing roofing material should be removed down to the existing structural roof deck - of which the wood components will most likely need to be patched or completely replaced if water penetration has damaged it as expected. A new fully adhered EPDM or TPO roofing over rigid insulation should then be applied. The insulation should be tapered to provide adequate slope to the scuppers that would eliminate standing water. This will bring at least the roof surface into compliance with the current North Carolina Energy Code. Lastly, the new roof membrane should be turned up the back and up over the top of the parapet wall and capped with a metal parapet coping that would eliminate the water intrusion from the back or top of the parapet wall that was previously experienced with the precast concrete parapet cap.

To achieve higher insulating values at the existing exterior walls, rigid insulation within furring channels could be attached to the inside face of the existing exterior brick walls. Drywall could then be attached to the furring channels for a finished surface. This should greatly improve the insulating quality of the existing exterior walls. The windows should also be replaced with better insulating types that would be more consistent with the historical image of the building. The exterior doors should be replaced with better insulating and weatherstripped systems. All of this will provide a better insulating building envelope, provide for better interior environment control for and reduce strain on the new HVAC equipment.

It is anticipated this building will require complete “gutting” except for the existing exterior walls, floors, roof, interior bearing walls and other structural elements. In addition, this demolition is expected to uncover areas of termite and water damaged floor joists and roof structure that cannot be determined at this time.

Potential Uses

This building is most suited for division into several small office suites, meeting and training spaces. It is also most accommodating for occupants and departments that would have more public interaction, due to the building’s architectural prominence, “front door” image and adjacency to parking. The Cabarrus Health Alliance, Department of Social Services, Department of Aging and Cooperative Extension have all indicated the need for small office suites that could share common spaces such as lobbies, work rooms and meeting / training rooms. Several departments indicated a large room that could seat 50-75 people would be useful for training, demonstrations and lectures in this part of the County. However, the current corridor bearing walls and stair locations drastically limit the efficiency and flexibility of office suites.

The existing auditorium and stage could be rehabilitated if provided with the fire ratings previously indicated. The auditorium space would probably be better utilized as a large meeting or demonstration space. However, this may also require fire rating measures depending on the size and potential number of occupants. A large meeting space in the existing auditorium could serve as the town hall for Midland.

If the building is to be utilized in this manner, the parking must be defined more clearly. Currently, about 8-10 parking spaces are provided near the front of this building and about 25 spaces to the side. However, pavement marking and circulation through the parking area is poor.

Opinion of Probable Renovation Cost for Building A

For budgetary purposes, Building A shall be considered to include 30,000 square feet.

• Asbestos removal (allowance)	\$ 80,000
• Demolition (\$2 / sf)	\$ 60,000
• Remedial work (allowance)	\$ 75,000
• Roofing demolition and replacement (14,500 sf @ \$9 / sf)	\$ 130,500
• Exterior work (allowance for new doors, windows and brick repair)	\$ 125,000
• Sprinkler (\$3 / sf)	\$ 90,000
• Plumbing (\$5 / sf)	\$ 150,000
• Mechanical (\$15 / sf)	\$ 450,000
• Electrical and communications (\$15 / sf)	\$ 450,000
• Elevator and shaft inside existing building	\$ 125,000
• Interior work (\$50 / sf)	<u>\$1,450,000</u>

Subtotal **\$3,185,500**

Unassigned Contingency of 10% **\$ 318,550**

TOTAL **\$3,504,050**

Due to the extent of unknown factors at this time, such as final program of spaces, unknown and presently concealed conditions and similar factors, it is recommended that an unassigned contingency of 10% be provided for the project until more information is known.

Opinion of Probable Demolition Cost

• Asbestos removal (allowance)	\$ 80,000
• Demolition and disposal of building	<u>\$ 150,000</u>

TOTAL **\$230,000**

BUILDING A PHOTOS



BUILDING A PHOTOS



BUILDING B

Description

Building B is a one-level structure comprised of a gymnasium, entry lobby and locker rooms. This building was constructed around 1957 along with Building C, which is an attached classroom wing. Although Buildings B and C are constructed as one building, they have been considered as two separate buildings in past analysis. In addition, they serve two different functions and therefore, will be considered separately for the purpose of this study, except for code allowed height and area calculations. Building B is located on the lower end of the front part of the site and is several feet lower than the adjacent parking area. The finished floor of this building is twelve feet below the main level of Building A. The building has a mostly glass entry vestibule that provides access into the gymnasium only. This building is very utilitarian in appearance and has no distinguishing architectural features other than the height and volume of the gymnasium.



The building consists of approximately 9,400 square feet. The gymnasium is larger than normally found in typical elementary schools and is 70 feet by 92 feet and has very old retractable wooden bleachers down each side. Minimal construction drawings were provided, but indicate this building utilizes a steel frame and steel truss / bar joist roof structure. The high roof over the gymnasium has very minimal slope to 2 roof drains which are piped out of the building and spill onto grade. According to the drawings provided, the low roof over the locker room area has one roof drain, and the roof over the entry vestibule slopes back to scuppers in the high gym wall. In addition, exterior gutters and downspouts have been added. The exterior walls are non-load bearing CMU with brick veneer exterior and most likely are constructed without any air space or insulation within the wall. The interior walls of the locker rooms / showers are CMU. The floor is slab-on-grade throughout with wood sports flooring in the gymnasium itself and tile on the locker room floors. The roof is built-up asphaltic material on tectum roof decking.

The gymnasium is provided with heat only via steam fed fin type radiators mounted about halfway up the exterior walls and steam fed unit heaters with fans suspended from the roof. The steam piping is routed underground from the boiler in Building E (which has been removed) and up to a series of valves in a closet adjacent to the girls' locker room. The gym has no cooling, and ventilation is through a continuous line of operable clerestory windows down each side of the long walls. These clerestory windows appear to be original to the building and non-insulating. Exhaust fans and intake louvers have been installed in locations within this clerestory window system to enhance ventilation. The entry lobby and locker rooms also have steam fed radiators for heating and no cooling or ventilation systems. The building's electrical system is served from a main distribution panel located on the exterior of Building C. Light fixtures in the gym are mounted to the underside of the structure and are reported to have been installed in the last 10 years. The water piping is a combination of copper and galvanized steel, and the sewer piping is reported to be cast iron.

Existing Condition

As with Building A, this building has been vacant for about a year and a half with the plumbing, electrical and heating systems having been completely shut down. The interior of this building does not have the extent of interior damage that has occurred in other buildings, but has some indications of vandalism. The heating system and plumbing appear to be original to the building and thus almost 50 years old. Due to their age and deterioration, the plumbing, mechanical and electrical systems are at the end of their life expectancy, except for the lighting in the gymnasium. However, since the power was turned off to the building, the lighting could not be observed. The exposed plumbing piping has visibly deteriorated, and it is reported that most of the fixtures in the locker rooms, including all of the showers, had been disabled several years ago due to ongoing problems.

There is evidence of roof leaks from the areas of the roof drains and evidence of a significant amount of water entering from high on the gym walls. This water is most likely entering through the clerestory windows that are not sealed, have been broken or simply left open. There are also signs of significant water entering where the lower roofs over the locker rooms and of Building C connect into the higher walls of the gymnasium. Access to the roof was not provided. However, standing water was observed around the perimeter of the high roof despite the addition of gutters, which is presumed to be in need of replacing. Several inches of standing water was also observed at the intersection of the low roofs to the high gym walls, resulting in the significant water intrusion in these areas. The wood gym flooring is in fairly good condition with no noticeable warping or buckling, but is in need of sanding and refinishing. There is a fine layer of dusty material coating the entire wood floor. This material needs to be investigated further to determine if it is material flaking from degradation of the roof deck, which could signify structural problems and warrant replacing the roof deck. The basketball goals were also very dated.

Pending further investigation of the roof decking, the building appears to be in satisfactory condition structurally. Several cracks in the CMU walls of the gymnasium are visible from the interior. While not load bearing, these walls provide the back-up system for the exterior brick veneer. There is no evidence of significant cracks in the exterior brick veneer.

The building has been previously documented to include some asbestos-containing materials, such as pipe and boiler insulation and floor tiles in the lobby. Further studies into hazardous materials must be investigated prior to any proposed development.

Current Code Compliance

Since Buildings B and C are constructed as one structure, the building code will treat them as one building. According to the 2002 Edition of the North Carolina Building Code (NCBC), the entire building (including Building C) is classified as a Type II B (two B) construction, which includes buildings with non-combustible materials such as steel, concrete and CMU with no additional fireproofing. It is expected for the purpose of this study that the occupancy will be Assembly Type 3 (or A-3) which includes gymnasiums. According to the NCBC, the allowable height and building areas for this type construction and occupancy are 55 feet in height above grade, 2 stories and 9,500 square feet per floor. The combined area of Buildings B and C is about 18,200 square feet and is, therefore, out of compliance with the allowable area per the current building code. A sprinkler system must be added, which would increase the allowable area by 300% and bring the building into code compliance.

If Building C were to be utilized as a library, it would also be classified as an A-3 occupancy and require no fire rating between it and the gym building. However, if Building C were to be utilized as offices and classified as a B (or business) occupancy, a one hour fire rated wall would be required between the two parts of the building.

The egress width, number and arrangement of exits conform to the current building code. Handicap accessibility to grade is currently provided from two of the three exit locations and there are no dead end corridors. An additional sidewalk would need to be installed at the side exit from the gym directly to the exterior to provide handicap accessibility. The toilet/shower/locker room area does meet the dimensional requirements of the North Carolina Building Accessibility Code. However, the size of individual toilet stalls do not meet requirements. If the building is to be utilized as a gymnasium, the code requires 2 waterclosets and 2 lavatories for both women and men. The current building exceeds this fixture count; however, the sizes of individual stalls do not meet the minimum dimensional requirements. There appears to be adequate space within the existing rooms to provide the proper size and count of fixtures required.

The building is provided throughout with heating only and no cooling. A rudimentary ventilation system is provided in the gymnasium only. Proper ventilation of toilet and shower areas is required by the current code. In addition, the building does not have proper roof drainage to prevent standing water - which is not only required by code, but helps prevent the intrusion of water through the roof. Most of the electrical wiring and panels are not in compliance with the current code, due to sizing and shielding of the wire and age of the panels

Required Remedial Work

Prior to any development of the building, a complete asbestos and hazardous materials survey must be performed and any materials identified removed. The Cabarrus County Building Department will require a current asbestos report prior to issuing a permit for any demolition or building activities. An asbestos survey has been performed and visually updated for the facility. However, this study is long out of date and the building may actually contain more hazardous materials than indicated in previous reports due to more sophisticated modern testing methods.

The existing mechanical and electrical systems are past their normal life expectancy and have also been dormant for the last 1 ½ years, thus accelerating the deterioration. The boiler supplying steam to the heating system has been removed from Building E. In addition, the building has no ventilation which is required by the current Building Code, and especially necessary the gym and showers. Therefore, these systems need to be completely replaced, except possibly the lighting in the gymnasium. Adequate heating, cooling and code compliant ventilation need to be provided for both the gymnasium and locker rooms. This is most easily accomplished with roof-top units that provide heating, cooling and ventilation over each of the spaces. The roof structure appears adequate to handle some minor additional weight, but would require further structural investigation. Therefore, a number of smaller roof-top units should be utilized to minimize concentrating weight in any one area. The toilet room fixtures need to be replaced and reconfigured to meet the handicap code. The plumbing system is also in need of complete replacement due to age and apparent deterioration as the plumbing to the locker rooms and showers had previously been almost completely abandoned by the School System due to ongoing problems. The issue of replacing plumbing in the locker room area will be costly, due to water piping within CMU walls and waste lines under the concrete floor slab. It is also anticipated that the current open shower area would be desired to be reconfigured into several smaller, individual shower stalls for privacy.

Although it was only observed from a distance, the roof is presumed to need replacing. The steel roof structure is most likely completely flat and any slope is very minimal due to the built-up asphalt material. The existing roofing should be completely removed down to the decking and a new fully adhered EPDM or TPO roof membrane installed over tapered rigid insulation that would provide the correct slope to the external gutters and eliminate standing water. This would also provide the proper insulating value for the roof that would reduce the loads on the new HVAC equipment. An overflow roof drainage system should also be installed to meet the current requirements of the code.

The existing clerestory windows also need to be replaced with insulating windows and properly sealed to eliminate the water intrusion. The existing exterior glass at the entry lobby should be replaced with a modern, thermally broken storefront type system with insulating glass to provide better insulating values for the large expanses of glass. The exterior doors should also be replaced with better insulating and weatherstripped systems. The insulating value of the existing exterior walls should not be of significant concern, such as in Building A, due to the sporadic use as a gymnasium versus an occupied office space. Cracks in the CMU exterior walls need to be properly grouted.

Potential Uses

This building is obviously best utilized as a gymnasium and athletic facility. Due to the dedicated entry vestibule to the gym, secondary exterior exit and access to toilets / locker rooms, it could be utilized as a “stand alone” facility after hours and on weekends by various community groups without security concerns to the rest of the building. The existing basketball court is 50' x 84' which is a regulation high school court with room for a few rows of bleachers on each side. The Parks and Recreation Department noted this is the only court of this size in this area of the County, as the new Bethel Elementary School has a smaller court.

The Cabarrus County Parks and Recreation Department noted that very few programs existed in this part of the County before the new Bethel Elementary School was constructed. Of particular interest to them is the large gymnasium, since it is the only high-school sized court in the area. Interest by the Department of Aging was shown to utilize the space for indoor senior fitness and walking area during the day. In addition, the Cabarrus Health Alliance indicated they could use a large space in this area of the County that could be dedicated to large-scale disaster preparedness, bio-terror and other training exercises.

If the building is to be properly utilized, adequate parking and access must be provided. Currently, about 10-12 parking spaces are near the gym with no direct sidewalk from the parking to the entry vestibule. Access to the entry vestibule is via a sidewalk back to Building A. Additional parking and sidewalks would need to be provided for the gym.

Opinion of Probable Renovation Cost for Building B

For budgetary purposes, Building B shall be considered to include 9,500 square feet.

• Asbestos removal (allowance)	\$ 25,000
• Demolition (allowance)	\$ 25,000
• Remedial work (allowance)	\$ 25,000
• Roofing demolition and replacement (9,500 sf @ \$9 / sf)	\$ 85,500
• Exterior work (allowance for new doors, windows and brick repair)	\$ 75,000
• Plumbing (allowance)	\$ 50,000
• Sprinkler (\$2.50 / sf)	\$ 23,750
• Mechanical (\$10 / sf)	\$ 95,000
• Electrical and communications (\$8 / sf)	\$ 76,000
• Interior work (\$25 / sf)	<u>\$ 237,500</u>

Subtotal	\$717,750
Unassigned Contingency of 10%	<u>\$ 71,775</u>

TOTAL	\$789,525
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Due to the extent of unknown factors at this time, such as extent of work in the toilet/shower area, unknown and presently concealed conditions and similar factors, it is recommended that an unassigned contingency of 10% be provided for the project until more information is known.

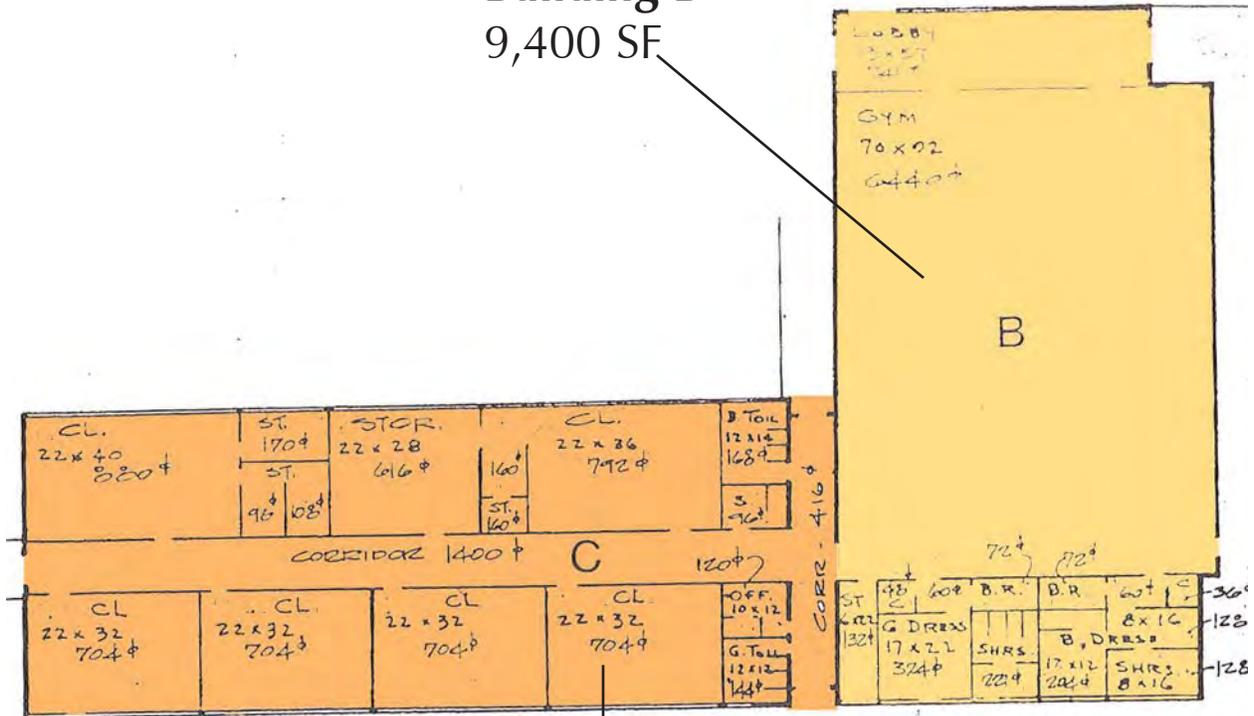
Opinion of Probable Demolition Cost

• Asbestos removal (allowance)	\$ 25,000
• Demolition and disposal of building	<u>\$ 50,000</u>

TOTAL	\$75,000
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BUILDING B PLAN

Building B
9,400 SF



Building C
8,816 SF

BUILDING B PHOTOS



BUILDING B PHOTOS



BUILDING C

Description

Building C is a one-level classroom building attached to the gymnasium/locker room building (Building B) and was constructed at the same time as the gym (around 1957). Although Buildings B and C are constructed as one building, they have been considered as two separate buildings in past analysis. In addition, they serve two different functions and, therefore, will be considered separately for the purpose of this study, except for the code allowed height and area calculations. The finished floor of Building C is the same as Building B and also 12 feet below the main level of Building A. It has previously housed classrooms, a science lab, a library and a computer lab. This building is very low in height and is very un-prominently located on the site, being situated between two taller buildings and several feet below the adjacent parking along the front. The exterior is mostly glass with some brick veneer.



The building consists of approximately 8,816 square feet and is a simple double-loaded corridor plan with classrooms located on each side of a central corridor. Minimal construction drawings were provided, but indicate this building utilizes a combination steel frame and masonry bearing wall structural system. The roof structure consists of steel bar joists supported by a steel frame at the exterior walls and by load bearing CMU at the interior corridor walls. The drawings indicate 2 roof drains piped down in the corridor walls and out of the building to an underground structure with an unknown outlet. The majority of exterior wall is curtainwall type framing that is about 1/4" thick glass with opaque panels at the bottom. There are some areas of brick veneer on CMU exterior walls, mostly located at the very ends of the building. The interior walls are either 4" or 8" CMU and the floor is slab-on-grade throughout. The roof is built-up asphaltic material on vermiculite concrete deck on metal pan. Ceilings are plaster applied to furring directly attached to the bottom the roof joists.

The building heating is provided by steam fed radiators along the exterior walls. The steam piping is routed from the boiler in Building E (which has been removed), through Building B, and along the exterior walls of the building in trenches below grade. Cooling is provided by mini split systems surface-mounted beneath the ceiling in each classroom along the inside corridor wall with condensing units on the roof. The building's electrical system is served from a main distribution panel located on the exterior of the building which is fed from a pole-mounted transformer. In fact, it appears that most of the electrical panels for both Buildings B and C are installed on the exterior of this building. The building has a number of skylights in which fluorescent light fixtures have been installed in the openings. The building previously contained a science lab and, therefore, has a significant amount of plumbing to one of the rooms. The building also contains a boys' and girls' toilet. The water piping is a combination of copper and galvanized steel, and the sewer piping is cast iron.

Existing Condition

As with the other buildings on campus, this building has been vacant for about a year and a half and shows some signs of damage due to vandalism. The steam radiator heating system appears to be original to the building and thus almost 50 years old. The cooling units were added in 1987. Due to their age and deterioration, the plumbing, mechanical and electrical systems are at the end of their life expectancy. The plumbing systems are suspected to have significant deterioration due to age and ongoing problems reported in the past.

There were numerous and significant active roof leaks observed and evidence of many others around skylights, piping penetrations to the condensing units and at areas of flashing. Water intrusion is a large and ongoing problem in this building. Access to the roof was not provided. However, several inches of standing water was observed across almost the entire surface of the roof, which is in obvious need of replacing.

The building appears to be in satisfactory condition structurally. Some cracks in the CMU corridor bearing walls were observed, but not thought to be significant. The exterior glass curtainwall system is non-load bearing due to the steel frame. This system is very dated and completely non-insulating due to the 1/4" glass. This system shows signs of significant deterioration, and most of the glazing seals have been compromised.

The building has been previously documented to include asbestos-containing materials such as pipe insulation, sprayed-on acoustical ceiling treatment and floor tile. In fact, almost all of the flooring throughout the building (except the ceramic tile in the toilets) is tile documented to contain asbestos, and the ceilings in all of the classrooms have been coated with an asbestos-containing acoustical material. Further studies into hazardous materials must be investigated prior to any proposed development.

Current Code Compliance

Since Buildings B and C are constructed as one structure, the building code will treat them as one building. According to the 2002 Edition of the North Carolina Building Code (NCBC), the entire building (including Building B) is classified as a Type II B (two B) construction, which includes buildings with non-combustible materials such as steel, concrete and CMU with no additional fireproofing. It is expected for the purpose of this study that the occupancy will be Assembly type 3 (or A-3) which includes gymnasiums. According to the NCBC, the allowable height and building areas for this type construction and occupancy are 55 feet in height above grade, 2 stories and 9,500 square feet per floor. The combined area of Buildings B and C is about 18,200 square feet and is, therefore, out of compliance with the allowable area per the current building code. A sprinkler system must be added, which would increase the allowable area by 300% and bring the building into code compliance.

If Building B were to be utilized as a library, it would also be classified as an A-3 occupancy and require no fire rating between it and the gym building. However, if Building B were to be utilized as offices and classified as a B (or business) occupancy, a one hour fire rated wall would be required between the two parts of the building.

The egress width, number and arrangement of exits conform to the current building code, and handicap accessibility from the exits to grade is also currently provided from three separate locations with no dead end corridors. The toilet rooms meet the dimensional requirements of the North Carolina Building Accessibility Code. However, the size of individual toilet stalls do not meet code. If the building is to be utilized for office space, the code requires 2 waterclosets and 2 lavatories for both women and men. Although not specific in the code, the building would probably require the same amount of fixtures if utilized for a public space such as a library. The current building exceeds this fixture count. However, the sizes of individual stalls do not meet the minimum dimensional requirements. There appears to be adequate space within the existing rooms to provide the proper size and count of fixtures required. The roof has no provisions for overflow roof drainage system which is required by the current code.

The current heating and cooling systems include no provisions for fresh air intake or ventilation which are both required by today's codes. Most of the electrical wiring and panels are not in compliance with the current code, due to sizing and shielding of the wire and age of the panels. In addition, significant amount of wiring is run exposed along both the interior and exterior of the building. The main distribution panel and other panels for both Buildings B and C are located on the exterior wall of the building, directly adjacent to a pair of exit doors, which is more of a safety and aesthetic issue than a code problem.

Required Remedial Work

Prior to any development of the building, a complete asbestos and hazardous materials survey must be performed and any materials identified removed. The Cabarrus County Building Department will require a current asbestos report prior to issuing a permit for any demolition or building activities. An asbestos survey has been performed and visually updated for the facility. However, this study is long out of date, and the building may actually contain more hazardous materials than indicated in previous reports due to more sophisticated modern testing methods.

The existing mechanical and electrical systems are past their normal life expectancy and have been dormant for the last 1 ½ years - which is usually fatal for older systems, cooling units especially. The boiler supplying steam to the heating system has been removed from Building E. In addition, the building has no ventilation which is required by the current Building Code. Therefore, these systems need to be completely replaced. Adequate heating, cooling and code compliant ventilation need to be provided. This is most easily accomplished with roof-top units that provide heating, cooling and ventilation. The roof structure appears adequate to handle some minor additional weight, but would require further structural investigation. Therefore, a number of smaller roof-top units should be utilized to minimize concentrating weight in any one area. The toilet room fixtures need to be replaced and reconfigured to meet the handicap code. The plumbing system is also in need of complete replacement due to age and apparent deterioration due to problems reported in the past. Replacing plumbing in this building will be costly due to water piping within CMU walls and waste lines under the concrete floor slab.

Although it was only observed from a distance, the roof is in obvious need of replacing, due to significant standing water and active leaks on the interior. The steel roof structure is most likely completely flat, and any slope is very minimal due to the built-up asphalt material. As in Building B, the existing roofing should be completely removed down to the decking. A new fully-adhered EPDM or TPO roof membrane installed over tapered rigid insulation would provide the correct slope to roof drains and eliminate standing water. This would also provide the proper insulating value for

the roof that would reduce the loads on the new HVAC equipment. The existing skylights should either be replaced or removed, due to failure, poor insulating value and condensation within the system. The skylights would improve the indoor environment of large, open public space such as a library, but would not be as useful in an office environment. An overflow roof drainage system should also be installed to meet the current requirements of the code.

The existing exterior curtainwall system should be replaced with a modern, thermally broken storefront type system with insulating glass to provide better insulating values for the large expanses of glass. In fact, one side of the exterior glass wall faces almost due north and the other due south, resulting in two thermal extremes. In addition, external shading devices should be considered due to the orientation and excessive sunlight entering the building in both the summer and winter months. The exterior doors should also be replaced with better insulating and weatherstripped systems.

Potential Uses

This building could be utilized as offices, meeting and training spaces or possibly a community library. Division of the building into office suites or meeting/training rooms is relatively uncomplicated, due to the central corridor. However, renovation of this space for a library would be more difficult, since the corridor bearing walls divide the space. However, it is possible to remove portions of the bearing walls and install steel beams and columns with concrete footings that support the existing roof which would provide larger spaces that would typically be required for book stacks and reading rooms. Since the ceiling is very low, any ductwork installed in either case would be exposed and could be designed and painted to be an architectural element of the space.

Interest by the Department of Aging was shown in developing some of this space into offices and computer training lab, due to the proximity to the gymnasium and potential exercise classes for the elderly. However, they could also be located near and share common spaces with some of the other County Departments with which they have interaction - such as DSS and the Cabarrus Health Alliance, presumed to be located in Building A. The Town of Midland has considered the largest room (at the northwest corner) of this building for a town hall meeting space. This room is approximately 22' x 40' and would seat about 50 people and currently has an office, work room and storage room opening directly from this space that could be utilized by a Town staff employee. This type of space could also be provided in the auditorium space of Building A. The Cabarrus County Libraries also indicated an interest in this space, since it appears this is the only building on site that logistically makes sense in which to locate a community library.

Major considerations for this building are parking, access, entry and appearance. As outlined earlier, this building is not very prominent on the site and does not have a very visible or inviting entrance. If this space is used as a public library, town hall or other public space, consideration should be given to the addition of an entrance feature that could be located between this building and the gym building. As was described in the Building B analysis, adequate parking and direct access to the entry should be provided for the facility to be properly utilized.

Opinion of Probable Renovation Cost for Building C

For budgetary purposes, Building C shall be considered to include 9,000 square feet.

• Asbestos removal (allowance)	\$ 80,000
• Demolition (\$2 / sf)	\$ 18,000
• Remedial work (allowance)	\$ 35,000
• Roofing demolition and replacement (9,000 sf @ \$9 / sf)	\$ 81,000
• Exterior work (allowance for new doors, windows and misc. repair)	\$ 100,000
• Sprinkler (\$2.50 / sf)	\$ 22,500
• Plumbing (allowance)	\$ 50,000
• Mechanical (\$12 / sf)	\$ 108,000
• Electrical and communications (\$12 / sf)	\$ 108,000
• Interior work (\$50 / sf)	<u>\$ 450,000</u>

Subtotal	\$1,052,500
Unassigned Contingency of 10%	<u>\$ 105,250</u>

TOTAL **\$1,157,750**

Due to the extent of unknown factors at this time, such as final program of spaces, unknown and presently concealed conditions and similar factors, it is recommended that an unassigned contingency of 10% be provided for the project until more information is known.

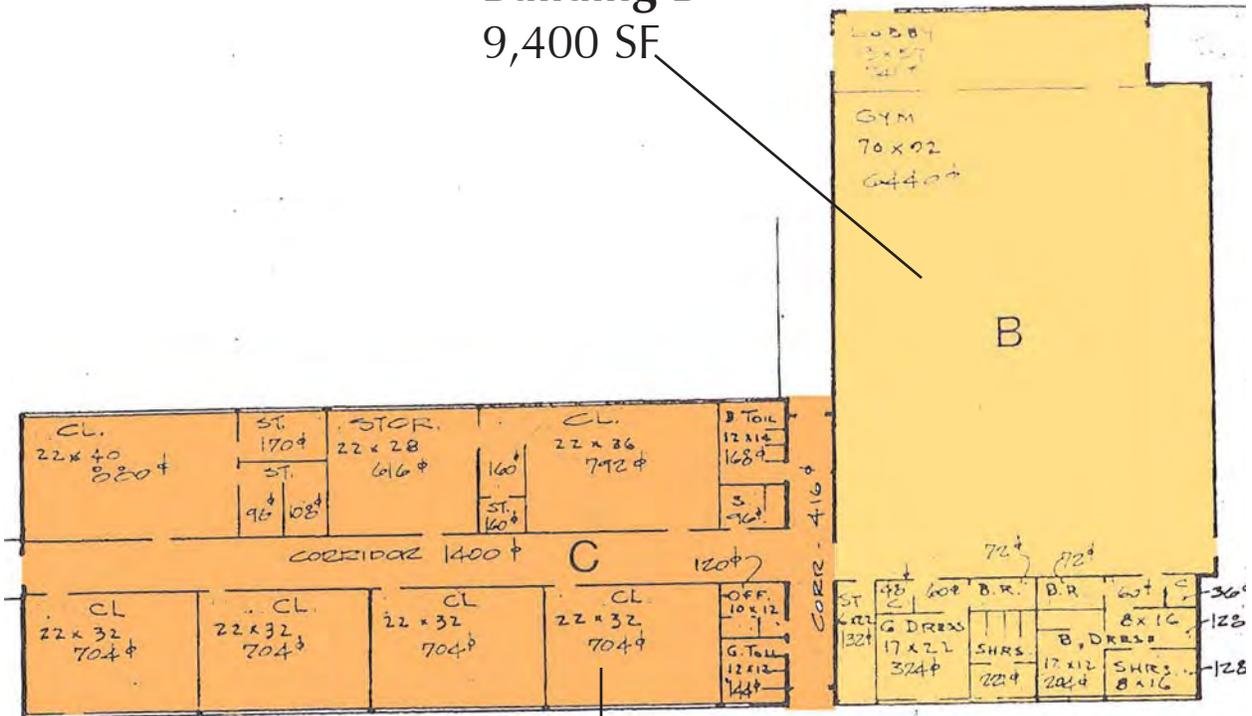
Opinion of Probable Demolition Cost

• Asbestos removal (allowance)	\$ 80,000
• Demolition and disposal of building	<u>\$ 50,000</u>

TOTAL **\$130,000**

BUILDING C PLAN

Building B
9,400 SF



Building C
8,816 SF

BUILDING C PHOTOS



BUILDING D

Description

Building D is a one-level dining and kitchen building constructed at the same time as Buildings B and C around 1957. It abuts and shares a bearing wall with Building E, which is the Vocational building that was constructed in 1950. The finished floor of this building is 1 foot below that of building B and 13 feet below the main level of Building A. The building is located behind Building A and is not readily visible from the road or parking area to the front of the site. The exterior is a combination of glass and brick veneer, similar to Building C.



The building consists of approximately 3,850 square feet with an open dining area that is about 48' x 48' or 2,300 square feet. Minimal construction drawings were provided, but indicate this building utilizes a combination steel frame and masonry bearing wall structural system. The open dining area is clear spanned by the roof trusses with no intermediate supports. The drawings indicate only one roof drain piped down in an interior CMU wall and out of the building to an underground structure. About half the exterior wall is curtain wall type framing with 1/4" thick glass and opaque panels at the bottom. The other half is brick veneer on CMU back-up and presumed to be constructed with no insulation or air space, which are common in modern construction techniques. The interior walls are either 4" or 8" CMU and the floor is slab-on-grade throughout with ceramic tile flooring in the kitchen. The roof is built-up asphaltic material on tectum decking. Ceilings are plaster applied to furring directly attached to the bottom the roof joists in the kitchen and exposed structure in the dining area.

The building heating is provided by steam fed heat terminals throughout the building. The steam piping is routed from the boiler in Building E (which has been removed) and along the exterior walls of the building in trenches below grade. Cooling for the dining area is provided by mini split systems surface-mounted beneath the ceiling with condensing units on the roof. The kitchen is not air conditioned or ventilated, but contains a dated exhaust hood. The building's electrical system is served from a main distribution panel located on the exterior of the building which is fed from a pole-mounted transformer. Most of the electrical panels for this building appear to be installed on the exterior. The water piping is a combination of copper and galvanized steel, and the sewer piping is cast iron.

Existing Condition

As with the other buildings on campus, this building has been vacant for about a year and a half, but shows minimal signs of damage due to vandalism. The steam radiator heating system is original to the building, and the cooling units were added in 1987. Due to their age, inactivity and deterioration, the plumbing, mechanical and electrical systems are at the end of their life expectancy. The plumbing systems are suspected to have significant deterioration due to age and

ongoing problems reported in the past. The kitchen contains an interior grease trap that appears to be original to the building. Most of the kitchen equipment has been removed, except for the exhaust hood.

Access to the roof was not provided, but the roof was observed from a distance to be a fairly new EPDM material. No signs of roof leaks were readily visible from the interior. However, a localized area of standing water was observed around the exhaust fan on the roof. The roofing is presumed to be in fairly good condition.

The building appears to be in satisfactory condition structurally. Some cracks in the CMU exterior bearing walls were observed, but not thought to be significant. The exterior glass curtain wall system is non-load bearing due to the steel frame. This system is very dated and completely non-insulating due to the 1/4" glass. This system shows signs of significant deterioration, and most of the glazing seals have been compromised.

The building has been previously documented to include some asbestos-containing materials such as pipe insulation and floor tile. In fact, all of the flooring in the dining area is tile documented to contain asbestos. Further studies into hazardous materials must be investigated prior to any proposed development.

Current Code Compliance

According to the 2002 Edition of the North Carolina Building Code (NCBC), this building is classified as a Type II B (two B) construction, which includes buildings with non-combustible materials such as steel, concrete and CMU and no fire proofing. It is expected for the purpose of this study that the occupancy will be Assembly Type 2, or A-2, which includes buildings used for dining. According to the NCBC, the allowable height and building areas for this type construction and occupancy are 55 feet in height above grade, 2 stories and 9,500 square feet per floor. Therefore, the existing building conforms to the current code for area and height. However, since it shares a bearing wall with Building E, a fire separation wall between the two structures will be required regardless of the ultimate use of both buildings.

The egress width, number and arrangement of exits conform to the current building code, and handicap accessibility from the exits to grade is also currently provided from four separate locations with no dead end corridors. The building only contains two single toilet rooms accessed from the kitchen which do not meet the handicap code for size. Since the building contains no other toilet facilities, it could not be utilized as a "stand alone" facility without the construction of additional toilets. If the building is to be utilized for eating or banquet space, the code requires 2 waterclosets and 2 lavatories for both women and men. The roof has no provisions for overflow roof drainage system which is required by the current code.

The current heating and cooling systems include no provisions for fresh air intake or ventilation which are both required by today's codes and the exhaust hood in the kitchen has no fire suppression system. Most of the electrical wiring and panels are not in compliance with the current code, due to sizing and shielding of the wire and age of the panels. A significant amount of wiring is run exposed on the exterior of this building in the area that abuts Building E, some of which is resting in standing water located on the covered walkway canopy between the two buildings.

Required Remedial Work

Prior to any development of the building, a complete asbestos and hazardous materials survey must be performed and any materials identified removed. The Cabarrus County Building Department will require a current asbestos report prior to issuing a permit for any demolition or building activities. An asbestos survey has been performed and visually updated for the facility. However, this study is long out of date, and the building may actually contain more hazardous materials than indicated in previous reports due to more sophisticated modern testing methods.

The existing mechanical and electrical systems are past their normal life expectancy and have been dormant for the last 1 ½ years - which is usually fatal older systems. The boiler supplying steam to the heating system has been removed from Building E. In addition, the building has no ventilation which is required by the current Building Code. Therefore, these systems need to be completely replaced. Adequate heating, cooling and code compliant ventilation need to be provided for both the kitchen and dining areas. This is most easily accomplished with roof-top units that provide heating, cooling and ventilation. The roof structure appears adequate to handle some minor additional weight, but would require further structural investigation. Therefore, a number of smaller roof-top units should be utilized to minimize concentrating weight in any one area. The plumbing system is also in need of complete replacement due to age and apparent deterioration due to problems reported in the past. Replacing plumbing in this building will be costly, due to water piping within CMU walls and waste lines under the concrete floor slab. In addition, if the kitchen is to be re-utilized, a new grease trap will need to be installed on the exterior of the building and a new fire suppression system provided in for the kitchen exhaust hood. An overflow roof drainage system should also be installed to meet the current requirements of the code.

The existing exterior curtain wall system should be replaced with a modern, thermally broken storefront type system with insulating glass to provide better insulating values for the large expanses of glass. The exterior doors should also be replaced with better insulating and weatherstripped systems.

Potential Uses

This building is obviously best utilized as a cafeteria, dining or banquet hall. The open dining area would have a capacity of approximately 150 people, and the kitchen could be upfitted with new or used equipment to serve that many people. Furthermore, outdoor spaces could be developed as dining patios.

The Department of Aging indicated it could use a warming kitchen and dining room for 40-50 people. They currently serve lunch for the elderly 5 days a week at other locations in the County and could start a similar program in this part of the County. The Town of Midland also indicated this space could serve as community meeting space for boy scouts/girl scouts, birthday parties, bridal showers and other community events.

As previously indicated, additional toilets will be required for the building to be utilized in this manner. In addition, it must be considered that this building is not located near any parking and is not readily visible or accessible from the parking area.

Opinion of Probable Renovation Cost for Building D

For budgetary purposes, Building D shall be considered to include 4,000 square feet.

• Asbestos removal (allowance)	\$ 15,000
• Remedial work (allowance)	\$ 15,000
• Exterior work (allowance for new doors, windows and misc. repair)	\$ 50,000
• Plumbing (allowance)	\$ 75,000
• Mechanical (\$12 / sf)	\$ 48,000
• Electrical and communications (\$12 / sf)	\$ 48,000
• Interior work (\$35 / sf)	\$ 140,000
• Addition of new toilets (allowance)	\$ 50,000
• Kitchen equipment (allowance)	<u>\$ 75,000</u>
Subtotal	\$516,000
Unassigned Contingency of 10%	<u>\$ 51,600</u>
TOTAL	\$567,600

Due to the extent of unknown factors at this time, such as the potential use or demolition of Building E, means of constructing new toilets, unknown and presently concealed conditions and similar factors, it is recommended that an unassigned contingency of 10% be provided for the project until more information is known.

Opinion of Probable Demolition Cost

• Asbestos removal (allowance)	\$ 15,000
• Demolition and disposal of building	<u>\$ 25,000</u>
TOTAL	\$40,000

BUILDING D PHOTOS



BUILDING E

Description

Building E is a one-level building with large open rooms previously utilized as an agricultural, vocational and shop building. It was constructed around 1950 as a free-standing structure. Building D, or the dining hall, was later attached and shares a bearing wall. The finished floor of this building is 3'-6" lower than that of Building D and 16'-6" lower than the main level of Building A. The building is located to the back of the site and is the most remote of the buildings. The exterior is mostly glass with a brick base.



The building consists of 8,860 square feet and is a double-loaded corridor plan with 4 large rooms and an attached boiler / coal storage room. The only drawings provided were a basic floor plan, elevation and building section, therefore the exact nature of the construction methods is limited to that which is readily visible. The building is a combination steel frame and masonry bearing wall structural system. The building is noticeably taller than the other one-story buildings, thus containing much more volume on the interior. It has 2 tall wood roll-up garage doors into a shop or receiving type space which are in poor condition. Much of the exterior wall is curtainwall framing with 1/4" glass. Clerestory windows are provided above the corridor to the rooms on either side. The interior walls are CMU and the floor is slab-on-grade throughout. The roof contains 3 levels and is presumed to be built-up asphaltic material. External gutters and downspouts are provided around the perimeter. A wood roof decking was observed from inside the building in an exposed area.

The building heating is provided by steam fed radiators with the steam piping routed from an attached boiler room along the exterior walls of the building in trenches below grade. However, both the boiler and fuel tank have been removed. Cooling is provided by a ducted air handler located in a large storage area and by package split-system units in some of the classrooms. These units are newer and also provide ventilation. The building's electrical system is served by a panel located inside the building which is fed from a pole-mounted transformer. The building has small toilet rooms for boys and girls in which the water piping has been replaced and is installed exposed on the walls. The sewer piping is reported to be terra cotta.

Existing Condition

As with the other buildings on campus, this building has been vacant for about a year and a half and shows significant signs of vandalism. Both the exterior and interior of the building has significant damage such as broken windows, damage to lay-in ceilings and damaged plumbing fixtures. The steam radiator heating system is original to the building and the cooling units were added in about 1997. Due to their age, inactivity and deterioration, the plumbing, heating and electrical systems are at the end of their life expectancy. The cooling system is less than 10 years old and presumed to be in operable condition, which must be verified. The plumbing systems are suspected to have significant deterioration due to age and ongoing problems reported in the past. Most of the exposed copper piping has been removed.

There is evidence of several roof leaks and from water entering through the clerestory windows that are not sealed or have been broken. Access to the roof was not provided; however, standing water was observed over almost the entire surface of the lower roof over the classroom area as water was not draining to the gutters.

The building appears to be in satisfactory condition structurally. However, some significant cracks in the CMU interior non-bearing walls were observed. The exterior glass curtainwall and clerestory window systems are non-load bearing due to the steel frame. These are both very dated and completely non-insulating due to the 1/4" glass. This system shows signs of significant deterioration and most of the glazing seals have been compromised.

The building has been previously documented to include some asbestos-containing materials such as pipe insulation and floor tile. Further studies into hazardous materials must be investigated prior to any proposed development.

Current Code Compliance

According to the 2002 Edition of the North Carolina Building Code (NCBC), this building is classified as a Type II B (two B) construction, which includes buildings with non-combustible materials such as steel, concrete and CMU and no fire proofing. The expected use of this building is not known at this time, however the most restrictive anticipated use would be Assembly Type 3, or A-3, which includes community and exhibition halls. According to the NCBC, the allowable height and building areas for this type construction and occupancy are 55 feet in height above grade, 2 stories and 9,500 square feet per floor. Therefore, the existing building at 8,860 square feet conforms to the current code for area and height. However, since it shares a bearing wall with Building D, a fire separation wall between the two structures will be required regardless of the ultimate use of both buildings. If the building were to be used as offices, the code would be much less restrictive on area limitations.

The egress width, number and arrangement of exits conform to the current building code, and handicap accessibility from the exits to grade is also currently provided from four separate locations with no dead end corridors. The building only contains two small toilet rooms which do not meet the handicap code for size or rooms or individual toilet stalls. Depending on the ultimate use of the space, the code will require a minimum of 2 waterclosets and 2 lavatories for both women and men. The current rooms are too small for these fixtures and would require enlargement.

Most of the electrical wiring and panels are not in compliance with the current code, due to sizing and shielding of the wire and age of the panels. A significant amount of wiring is run exposed on the exterior of this building in the area that abuts Building D, some of which is resting in standing water located on the covered walkway canopy between the two buildings.

Required Remedial Work

Prior to any development of the building, a complete asbestos and hazardous materials survey must be performed and any materials identified removed. The Cabarrus County Building Department will require a current asbestos report prior to issuing a permit for any demolition or building activities. An asbestos survey has been performed and visually updated for the facility.

However, this study is long out of date, and the building may actually contain more hazardous

materials than indicated in previous reports due to more sophisticated modern testing methods.

The existing heating and electrical systems are past their normal life expectancy and have been dormant for the last 1 ½ years which is usually fatal for older systems. The boiler supplying steam to the heating system and fuel tank have been removed. The cooling system is newer, but has also been dormant and requires further investigation, but would be better replaced with an integrated heating, ventilation and air conditioning (HVAC) system. This is most easily accomplished with roof-top units that provide heating, cooling and ventilation. The roof structure appears adequate to handle some minor additional weight, but would require further structural investigation. Therefore, a number of smaller roof top units should be utilized to minimize concentrating weight in any one area. The plumbing system is also in need of complete replacement due to age and also the required enlargement of toilet rooms to meet the handicap code.

The existing exterior curtainwall and clerestory window systems should be replaced with a modern, thermally broken system with insulating glass to provide better insulating values for the large expanses of glass. In fact, one side of the exterior glass wall faces almost due north and the other due south, resulting in two thermal extremes. In addition, external shading devices should be considered due to the orientation and excessive sunlight entering the building in both the summer and winter months. The exterior doors should also be replaced with better insulating and weatherstripped systems.

Potential Uses

Due to the height and volume, this building is obviously best utilized as a community or exhibition hall. The same issues of height and volume make its use for offices more difficult. In addition, the building is located most remotely on the site and currently has poor access and no immediate parking.

Only the Town of Midland expressed interest in this building for meeting space or a community hall. The EMS Department indicated that while this building had a high bay area and 2 large garage doors, it was too remote on the site to have good access to Highway 24/27. In addition, parking and congestion from the ball fields could hinder emergency access from this building.

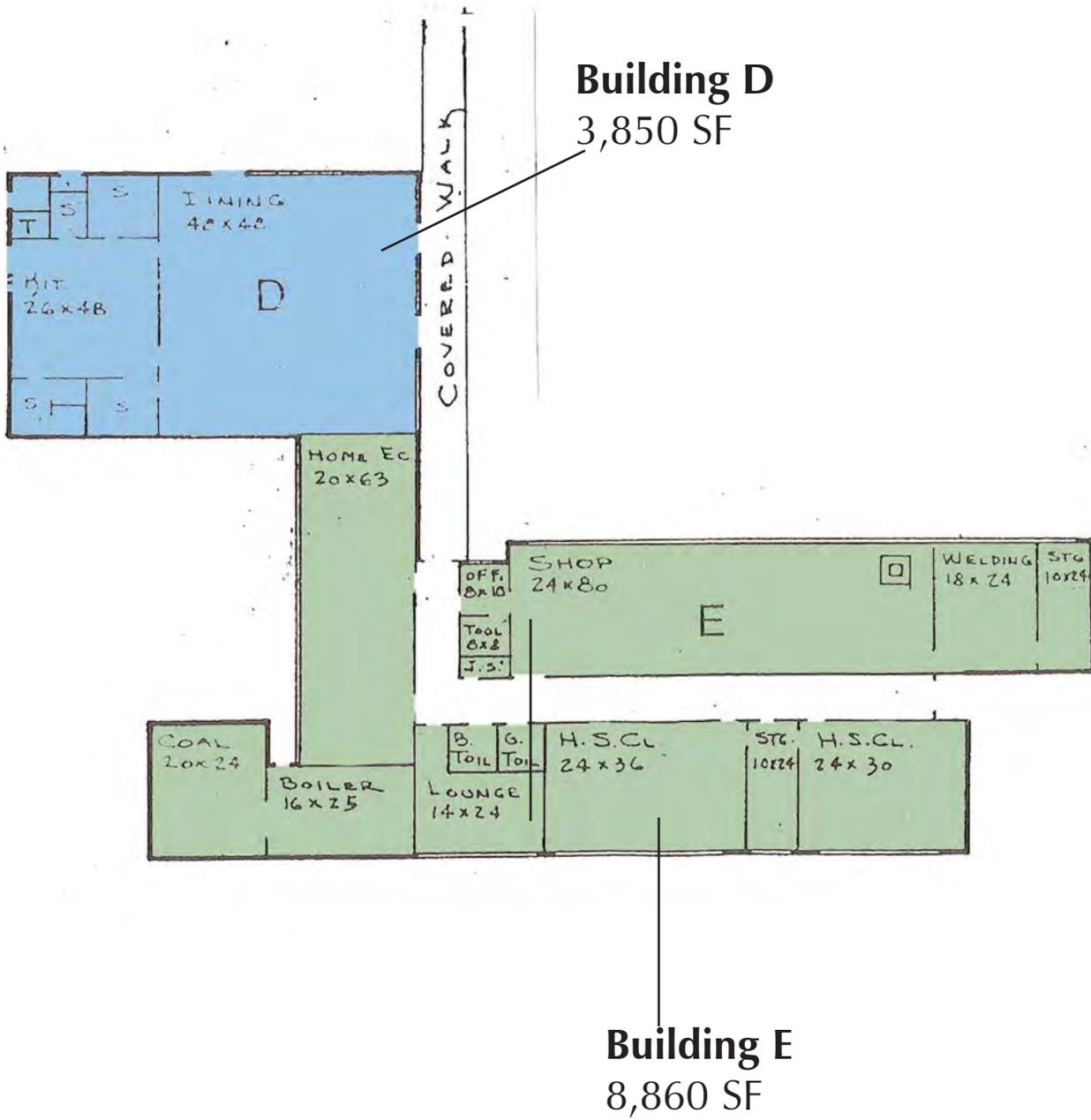
Opinion of Probable Renovation Cost for Building E

Due to the unknown nature of potential uses for this building, a probable budget cost is difficult to determine at this time. This building is similar in size to Building C, but taller and the construction is more complicated. Therefore, it would be expected that renovations to this building would probably be more than that of Building C.

Opinion of Probable Demolition Cost

• Asbestos removal (allowance)	\$ 25,000
• Demolition and disposal of building	<u>\$ 50,000</u>
TOTAL	\$75,000

BUILDING E PLAN



BUILDING E PHOTOS



PROGRAM OF SPACES

Cabarrus Health Alliance

Pamela Lockard indicated this department has need for a satellite office in this part of the County for traveling social workers and other staff. She also indicated the possible need for a full-time environmental health staff person to process well and septic permits, as well as restaurant permits and inspections. This department would have sporadic daily public interaction.

Pam also indicated that she did not envision providing clinical space in this area of the county. If clinical space became needed, it would be best provided in a newer facility.

This department serves many people who are also seen by the Department of Social Services. Therefore, the two departments should be located near each other.

Department of Social Services

Jim Cook indicated this department did not currently have a significant case load in this area, but could utilize a satellite office in this part of the County for traveling social workers. He also indicated the possible need for a visitation room for foster care reviews, which would constitute the only public interaction. This department would have limited public interaction that would be pre-arranged by appointment.

Department of Aging

Mike Murphy indicated this department did not currently have an immediate need for space in this part of the County. However, he did see the opportunity to develop programs in about a year. He indicated the future need for a small office area and a satellite senior center with lunch and exercise programs as well as a computer training center. Clear access to areas of this department would need to be provided due to public interaction with seniors.

This department also noted that a lunch program could be developed that was anticipated to serve 40-50 seniors 5 days a week and would require a warming kitchen only. This would most likely be located in the existing kitchen and dining on the site and is, therefore, not included in the space needs below.

Cooperative Extension

David Goforth indicated this department does not have any programs in this part of the county and could utilize a satellite facility to develop future adult and youth education programs. These training programs would be mostly centered around food nutrition and education. This department would have some public interaction in order to conduct training classes.

Cabarrus County Libraries

Tom Dillard indicated the need for a small community library in this area similar to those in other parts of the county, such as Mount Pleasant. The library would require good access and adequate parking. This satellite facility would include the following spaces:

- Circulation / Reference Desk
- Children's area
- Young adult area
- Adult area
- Computer area
- Meeting / Program Room

Anticipated square footage 5,000 sf

Cabarrus County Sheriff

Deputy Patterson indicated the need for a small satellite office in this part of the county that would provide space for up to 4 officers. The facility should also contain space for the public to meet with officers and file reports if necessary.

- Small waiting area (8x10) 80 sf
- 2 Offices for traveling officers (10x12) 120 sf
- Meeting / interview room (10x12) 120 sf
- Work room / files (8x10) 80 sf

Subtotal 400 sf
Circulation, storage, mechanical, electrical, etc. 150 sf
Total square footage 550 sf

This department indicated that space adjacent the EMS would be preferable.

Cabarrus County EMS

David Hampton indicated the need for a satellite facility in this part of the county that would house one unit with two personnel. The facility would require good circulation and close access to Highway 24/27.

- Garage with 2 bays - one for future expansion (35x35) 1,225 sf
- Day room with computer workstation (15x20) 300 sf
- 2 Bedrooms (10x12) 240 sf
- 2 Toilets with showers (6x10) 120 sf

Subtotal 1,885 sf
Circulation, storage, mechanical, electrical, etc. 615 sf
Total square footage 2,500 sf

Town of Midland

Sara Little-Morrison and John Crump indicated the need for a Town Hall meeting space and staff offices. They also expressed a great interest for the reuse of all the buildings and development of the site into a park in addition to the existing ballfields.

Old Bethel Buildings Square Footage

Building A (1927): 30,672 total square feet

Building B (1957): 9,400 total square feet

Building C (1957): 8,816 total square feet

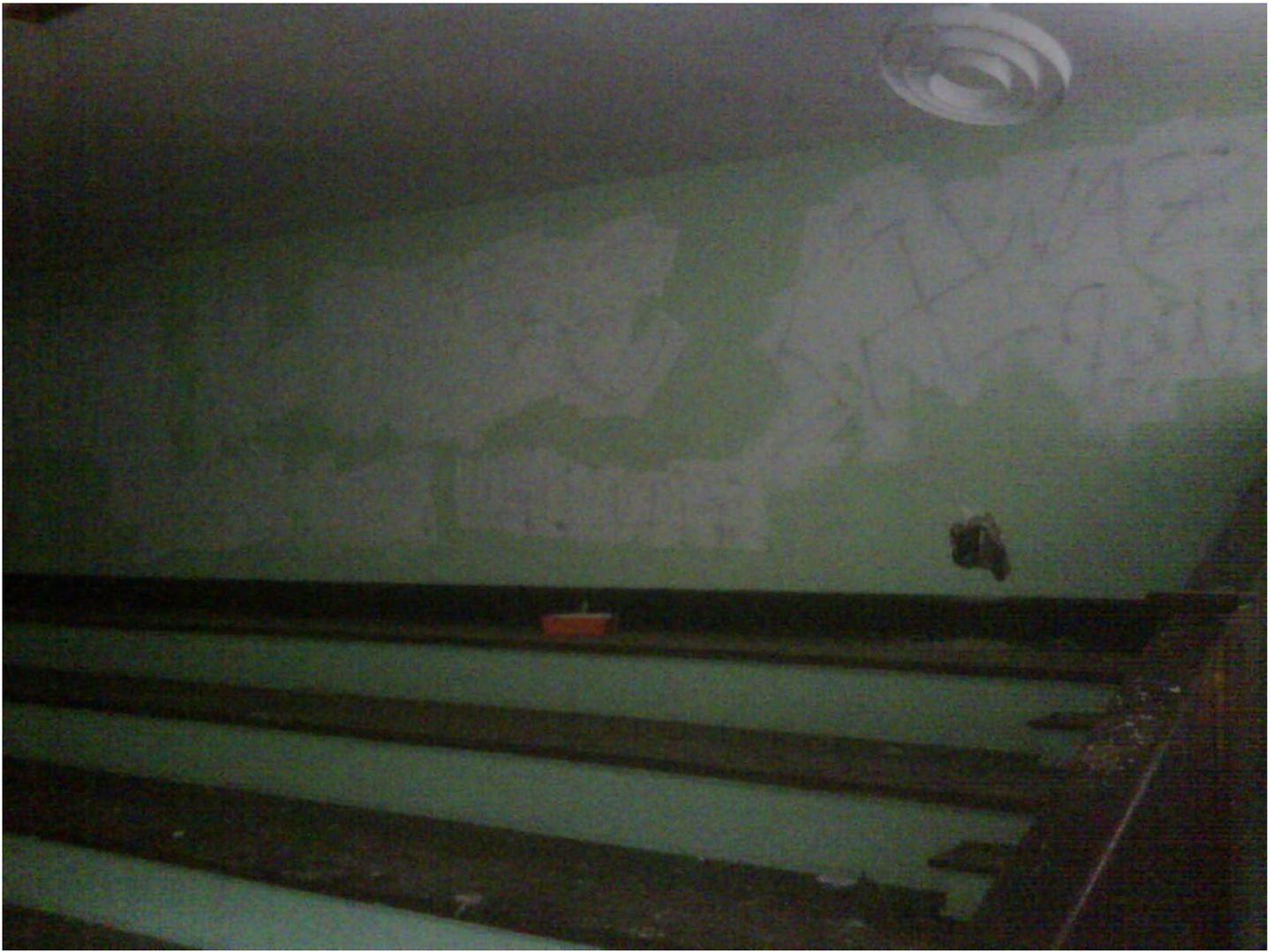
Building D (1957): 6,150 total square feet

Building E (1950): 8,860 total square feet

Old Bethel Elementary Pictures (07/13/09)

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Asbestos Survey Report

Old Bethel Elementary School

Midland, North Carolina

November 29, 2010

Terracon Project No. 71107253



Prepared for:

Cabarrus County General Services
Concord, North Carolina

Prepared by:

Terracon Consultants, Inc.
Charlotte, North Carolina

Offices Nationwide
Employee-Owned

Established in 1965
terracon.com

Terracon

Geotechnical ■ Environmental ■ Construction Materials ■ Facilities



November 29, 2010

Cabarrus County General Services
242 General Services Drive
PO Box 707
Concord, North Carolina 28026

Attn: Mr. Kyle Bilafer
P: [704] 920 3201
F: [704] 920 3203

Re: Asbestos Survey Report
Old Bethel Elementary School
Midland, North Carolina
Terracon Project No. 71107255

Dear Mr. Bilafer:

The purpose of this report is to present the results of an asbestos survey performed between November 29, 2010 and December 6, 2010 at the above referenced Old Bethel Elementary School in Midland, North Carolina. This survey was conducted in general accordance with our proposal dated November 17, 2010. We understand that this survey was requested due to the planned demolition of the structures at the site.

Friable and non-friable asbestos-containing materials were identified. Please refer to the attached report for details.

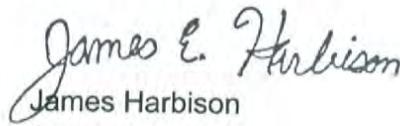
Terracon appreciates the opportunity to provide this service to Cabarrus County General Services. If you have any questions regarding this report, or if you need assistance with project oversight and sampling during demolition, please contact the undersigned at [704] 509 1777.

Sincerely,

Terracon Consultants, Inc.



Russell Harrings
Project Manager
Industrial Hygiene Services



James Harbison
Senior Associate
Manager, EH&S

Terracon Consultants, Inc. 2020-E Starita Road Charlotte, North Carolina 28206
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ASBESTOS SURVEY REPORT
Old Bethel Elementary School
Midland, North Carolina
Terracon Project No. 71107255
November 29, 2010

1.0 INTRODUCTION

Terracon conducted an asbestos survey of the Old Bethel Elementary School located at 2240 Highway 24/27 in Midland, North Carolina. The survey was conducted between November 29, 2010 and December 6, 2010 by State of North Carolina accredited asbestos inspectors in general accordance with Terracon Proposal No. 71107A128 dated November 17, 2010. Interior and exterior building components were surveyed and homogeneous areas of suspect asbestos-containing materials (ACM) were visually identified and documented. Although reasonable effort was made to survey accessible suspect materials, additional suspect but un-sampled materials could be located in walls, in voids, below the ground or in other concealed areas. Suspect ACM samples were collected in general accordance with the sampling protocols outlined in EPA regulation 40 CFR 763 (Asbestos Hazard Emergency Response Act, AHERA). Samples were delivered to an accredited laboratory for analysis by polarized light microscopy.

1.1 Project Objective

We understand this asbestos survey was requested due to the planned demolition of the structures at the site. EPA regulation 40 CFR 61, Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP), prohibits the release of asbestos fibers to the atmosphere during renovation or demolition activities. The asbestos NESHAP requires that potentially regulated asbestos-containing building materials be identified, classified and quantified prior to planned disturbances or demolition activities.

2.0 BUILDING DESCRIPTION

The Old Bethel Elementary School site includes several building and outbuildings. Building A is located closest to the highway. It was originally constructed in 1927 and reported to have two additions. The building is approximately 30,000 square feet and is two stories with a partial, unfinished basement and a crawlspace. The structure is wood frame construction with brick exterior and a flat membrane roof. Interior finishes include plaster and wood panel walls, suspended ceiling tiles and wood floors with coverings of floor tile. The heating system was a boiler and radiator system, but the original boiler has been removed. The cooling system consists of several closet mounted units connected to roof-mounted condensing units.

Asbestos Survey Report

Old Bethel Elementary School ■ Midland, North Carolina
November 29, 2010 ■ Terracon Project No. 71107253



Building B and Building C were constructed as one building, but functionally treated as separate buildings. Building B/C is located at the northeast corner of the property. The building was originally constructed in 1957. Building B is the gymnasium and Building C is a classroom building. Building B is approximately 9400 square feet and single story. The gymnasium is comprised of the gymnasium, a boys locker room, a girls locker room and a lobby. The walls are painted block. The ceilings are open to the roof deck in the gymnasium and plaster in the lobby and locker rooms. The floors are wood in the gymnasium, ceramic tile in the locker rooms and floor tile in the lobby. The roof is a flat membrane roof. The heating system is a steam radiator system. There is no cooling system for the building.

Building C is approximately 9000 square feet and single story. The walls are plaster and wood panel. The floors are concrete with coverings of floor tile and carpet. The ceilings are plaster with spray-applied ceiling texture. The roof is a flat membrane roof. The heating system is a steam radiator system. The cooling system consists of individual units below the windows connected to roof-mounted condensing units.

Building D is located behind Building A and abuts Building E. Building D was the kitchen and cafeteria building. The building is approximately 6100 square feet and single story. The walls are painted block and wood panels. The floors are concrete with coverings of floor tile and ceramic tile. The ceilings are suspended ceiling tile in the cafeteria and plaster in the kitchen. The roof is a flat membrane roof. The heating system is a steam radiator system. The cooling system consists of individual units in the ceiling connected to roof-mounted condensing units.

Building E is located at the back of the property and abuts Building D. Building E was the agricultural, vocational and shop building. The building is approximately 8900 square feet and single story. The walls are painted block and plaster. The floors are concrete with coverings of floor tile and ceramic tile. The ceilings are suspended ceiling tile. The roof is a flat membrane roof. The heating system is a steam radiator system, but the original boiler has been removed. The cooling system consists of individual, ducted air units.

Several outbuildings associated with three baseball fields are also located on the property. The outbuildings include a concessions stand with restrooms, eight dugout and spectator structures and three press boxes. The concessions stand is block and concrete construction with a sloped asphalt shingle roof. The dugout and spectator structures are open wood construction with sloped asphalt shingle roofs. The press boxes are wood construction with vinyl siding and sloped asphalt shingle roofs.

Asbestos Survey Report

Old Bethel Elementary School ■ Midland, North Carolina
November 29, 2010 ■ Terracon Project No. 71107253



3.0 FIELD ACTIVITIES

The survey was conducted by Mr. Russell Harrings, Mr. William Reid and Mr. Christopher Kelley; State of North Carolina accredited asbestos inspectors (no. 12222, 11977 and 12487). The survey was conducted in general accordance with the sample collection protocols established in EPA regulation 40 CFR 763, the Asbestos Hazard Emergency Response Act (AHERA). A summary of survey activities is provided below.

3.1 Visual Assessment

Our survey activities began with visual observation of the interior and exterior of the structures to identify homogeneous areas of suspect ACM. A homogeneous area consists of building materials that appear similar throughout in terms of color, texture and date of application. Interior assessment was conducted throughout visually accessible areas of the building. The exterior survey included an assessment of the exterior walls and roofs. Building materials identified as concrete, glass, wood, masonry, metal or rubber were not considered suspect ACM.

3.2 Physical Assessment

A physical assessment of each homogeneous area of suspect ACM was conducted to assess the friability and condition of the materials. A friable material is defined by the EPA as a material which can be crumbled, pulverized or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect materials.

3.3 Sample Collection

Based on results of the visual observation, bulk samples of suspect ACM were collected in general accordance with AHERA sampling protocols. Random samples of suspect materials were collected in each homogeneous area (HA). Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker.

Sixty (60) bulk samples were collected from eighteen (18) HA's in Building A.
Twenty-nine (29) bulk samples were collected from eight (8) HA's in Building B.
Fifty-eight (58) bulk samples were collected from sixteen (16) HA's in Building C.
Twenty-five (25) bulk samples were collected from eight (8) HA's in Building D.
Forty-two (42) bulk samples were collected from fourteen (14) HA's in Building E.
Fifteen (15) bulk samples were collected from six (6) HA's from the exterior outbuildings.

Asbestos Survey Report

Old Bethel Elementary School ■ Midland, North Carolina
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3.4 Sample Analysis

Bulk samples were submitted under chain of custody to Pinnacle Environmental Consultants, Inc. (Pinnacle) of Hurricane, West Virginia for analysis by polarized light microscopy per EPA methodology EPA/600/R-93/116. The percentage of asbestos, where applicable, was determined by microscopic visual estimation or point counting. Pinnacle is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP Accreditation No. 200718-0). The laboratory was instructed to analyze samples from each homogeneous area until the first sample containing asbestos was identified.

4.0 REGULATORY OVERVIEW

The asbestos NESHAP (40 CFR Part 61, Subpart M) regulates asbestos fiber emissions and asbestos waste disposal practices. It also requires the identification and classification of existing building materials prior to demolition or renovation activity. Under NESHAP, asbestos-containing building materials are classified as either friable, Category I non-friable or Category II non-friable ACM. Friable materials are those that, when dry, may be crumbled, pulverized or reduced to powder by hand pressure. Category I non-friable ACM includes packings, gaskets, resilient floor coverings and asphalt roofing products containing more than 1% asbestos. Category II non-friable ACM are any materials other than Category I materials that contain more than 1% asbestos.

Friable ACM, Category I and Category II non-friable ACM which is in poor condition and has become friable or which will be subjected to drilling, sanding, grinding, cutting or abrading and which could be crushed or pulverized during anticipated renovation or demolition activities are considered regulated ACM (RACM).

In the state of North Carolina, the HHCU regulates asbestos activities. The NC HHCU requires that any asbestos-related activity conducted in a public building be performed by personnel licensed by NC HHCU. RACM must be removed prior to renovation or demolition activities which will disturb the materials. The owner or operator must provide the NC HHCU with written notification of planned removal activities at least 10 working days prior to the commencement of asbestos abatement activities. Removal of RACM must be conducted by a State of North Carolina licensed asbestos abatement contractor. In addition, third party air monitoring must be performed following the abatement.

The OSHA Asbestos standard for construction (29 CFR 1926.1101) regulates workplace exposure to asbestos. The OSHA standard requires that employee exposure to airborne asbestos fibers be maintained below 0.1 asbestos fibers per cubic centimeter of air (0.1 f/cc). The OSHA standard classifies construction and maintenance activities which could disturb ACM, and

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specifies work practices and precautions which employers must follow when engaging in each class of regulated work. States which administer their own federally-approved state OSHA programs may require additional precautions.

5.0 FINDINGS AND RECOMMENDATIONS

Laboratory analysis confirmed the presence of friable and/or non-friable asbestos-containing materials. A summary of the classification, condition and approximate quantity of confirmed ACM are presented in Appendix B. Laboratory analytical reports are included in Appendix C.

Based on the quantity of the materials, State of North Carolina regulations will require an asbestos abatement specification and clearance air monitoring for the abatement project. Terracon could provide Client with a proposal for developing asbestos abatement specifications and for performing abatement oversight and air monitoring upon request.

6.0 GENERAL COMMENTS

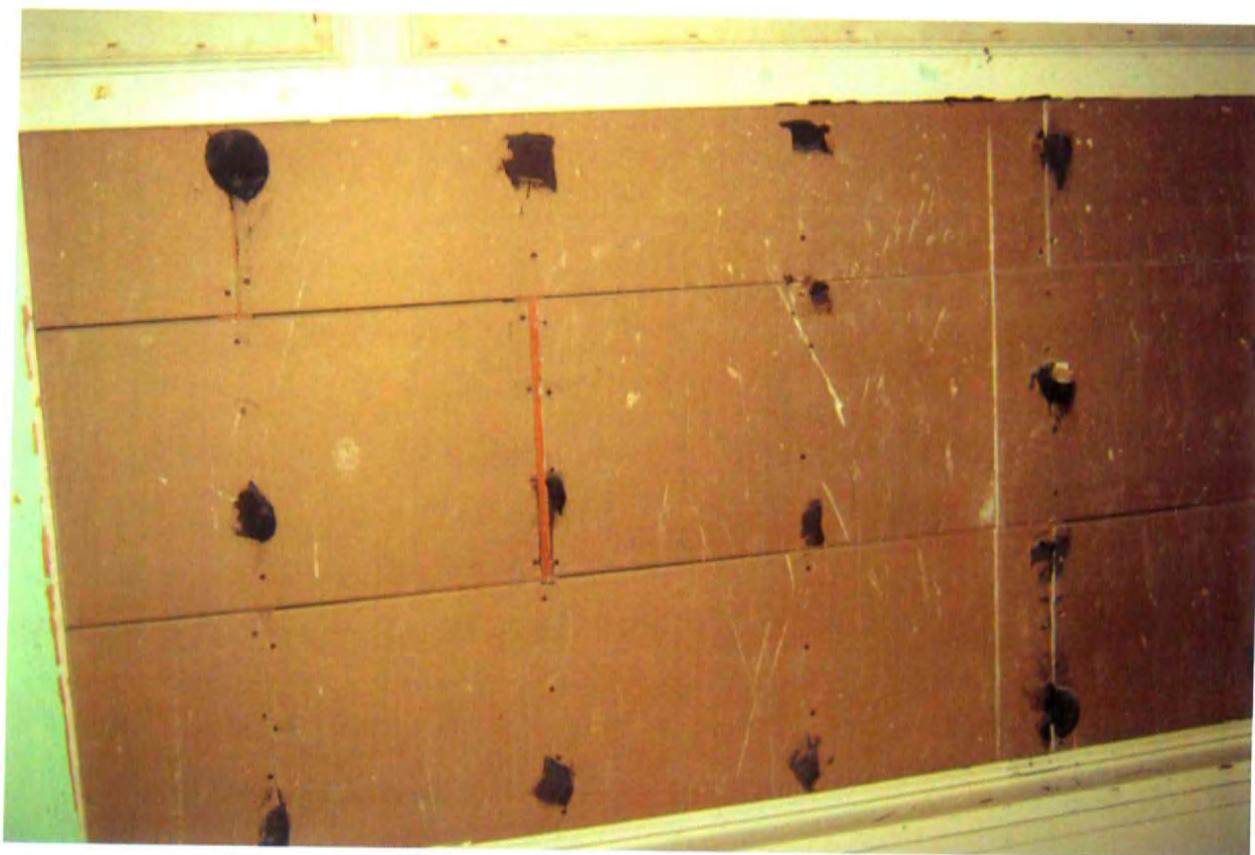
This asbestos survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions and recommendations expressed in this report are based on conditions observed during our survey of the structures. The information contained in this report is relevant to the dates on which this survey was performed, and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by Cabarrus County General Services for specific application to their project as discussed. This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories or other third parties supplying information which may have been used in the preparation of this report. No warranty, express or implied is made.

APPENDIX A

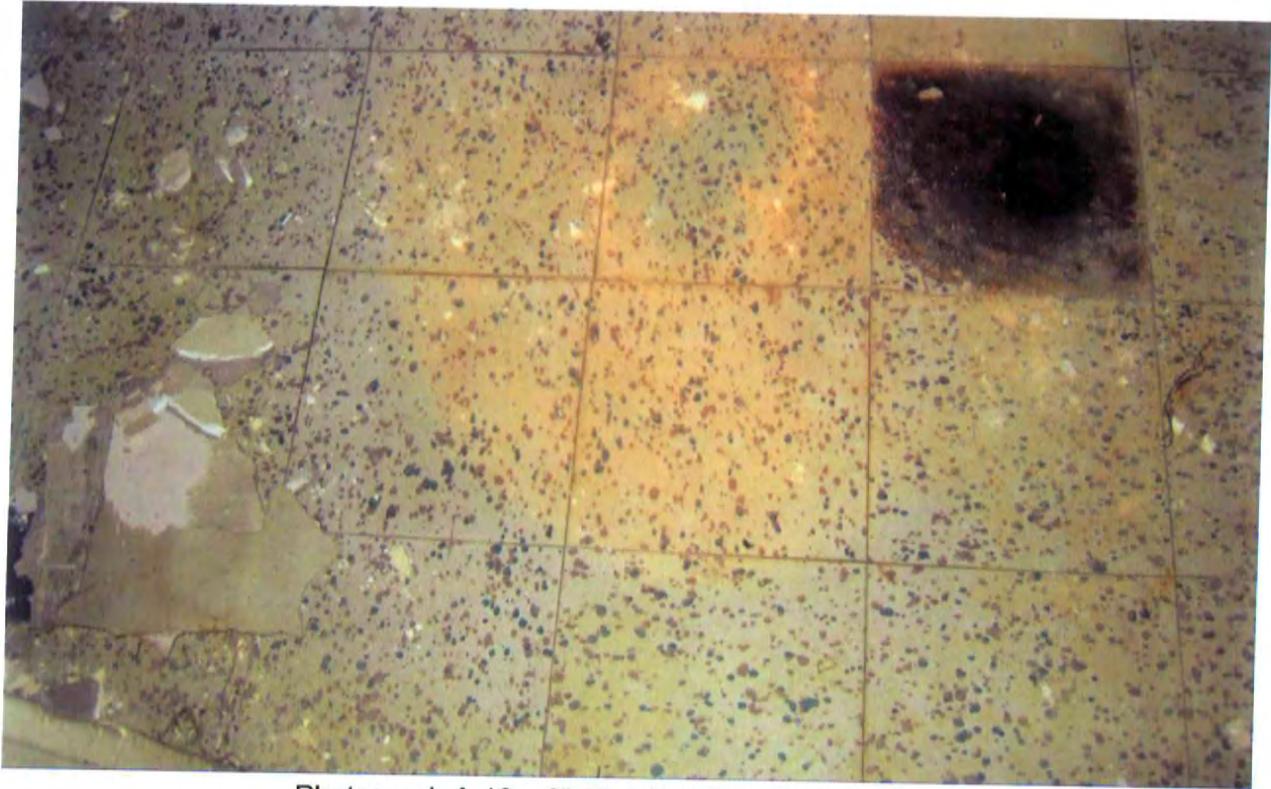
PHOTOGRAPHS FROM SITE



Photograph A-1 – 12"x12" brown floor tile and mastic



Photograph A-4 – black mastic dots



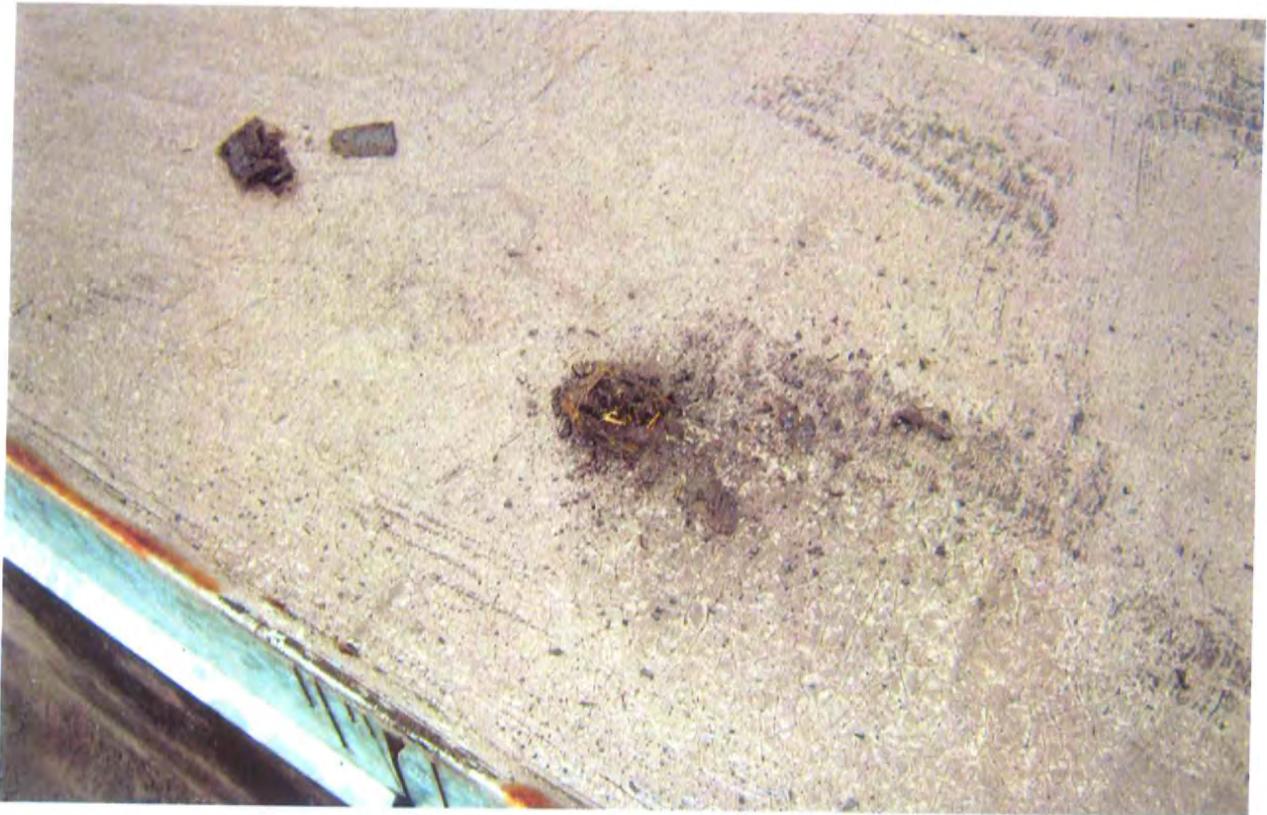
Photograph A-10 – 9"x9" dotted floor tile and mastic



Photograph A-11 – 12"x12" beige floor tile and mastic



Photograph A-13 – roof flashing



Photograph A-14 – roof membrane



Photograph A-15 – black mastic



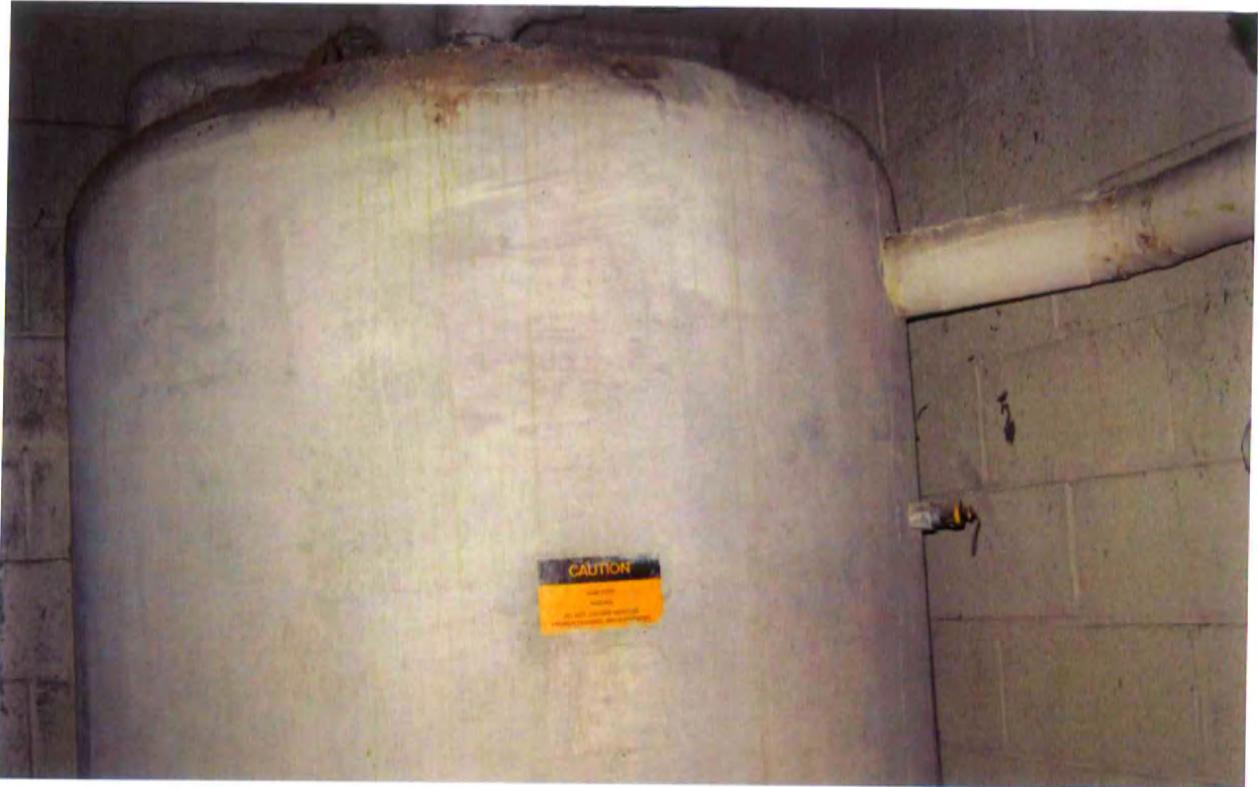
Photograph A-18 – pipe insulation



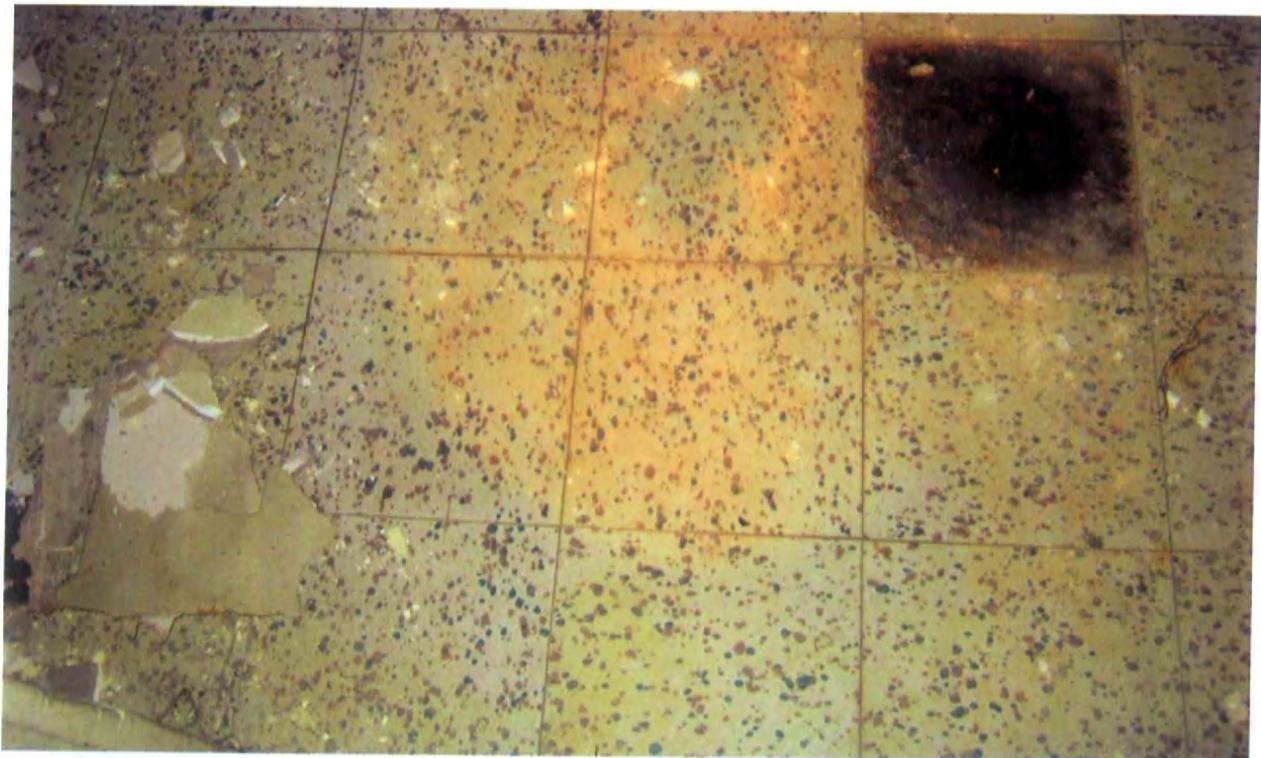
Photograph B-1 – 9"x9" white floor tile



Photograph B-4 – pipe insulation



Photograph B-4 – tank insulation



Photograph B-5 – 9"x9" dotted floor tile and mastic



Photograph C-8 – exterior caulk



Photograph C-14 – interior window caulk



Photograph C-17 – 9"x9" beige / brown floor tile and mastic



Photograph C-25 – window glazing



Photograph C-28 – interior door insulation



Photograph C-39 – 12"x12" brown floor tile and mastic



Photograph C-45 – mastic below 12"x12" white floor tile



Photograph D-1 – 12"x12" grey and white floor tile and mastic



Photograph D-6 – interior window caulk



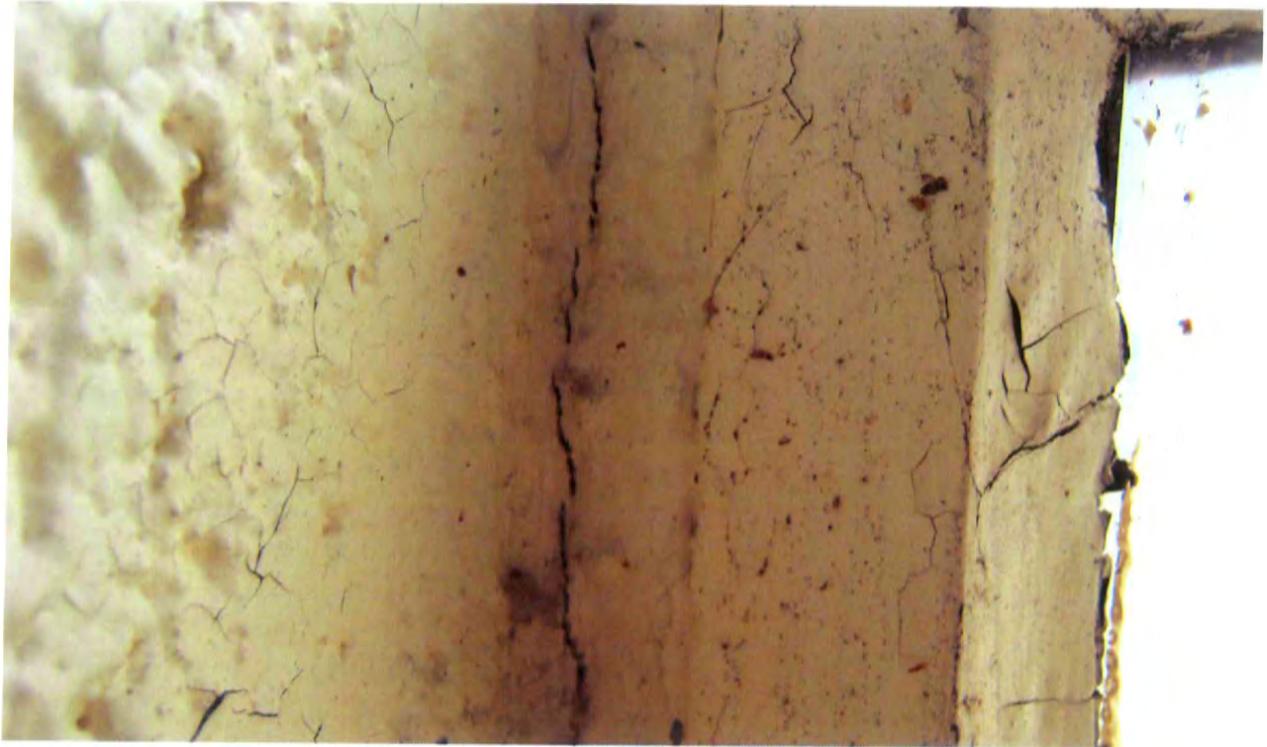
Photograph D-17 – exterior caulk



Photograph D-20 – door insulation



Photograph E-1 – interior window glazing



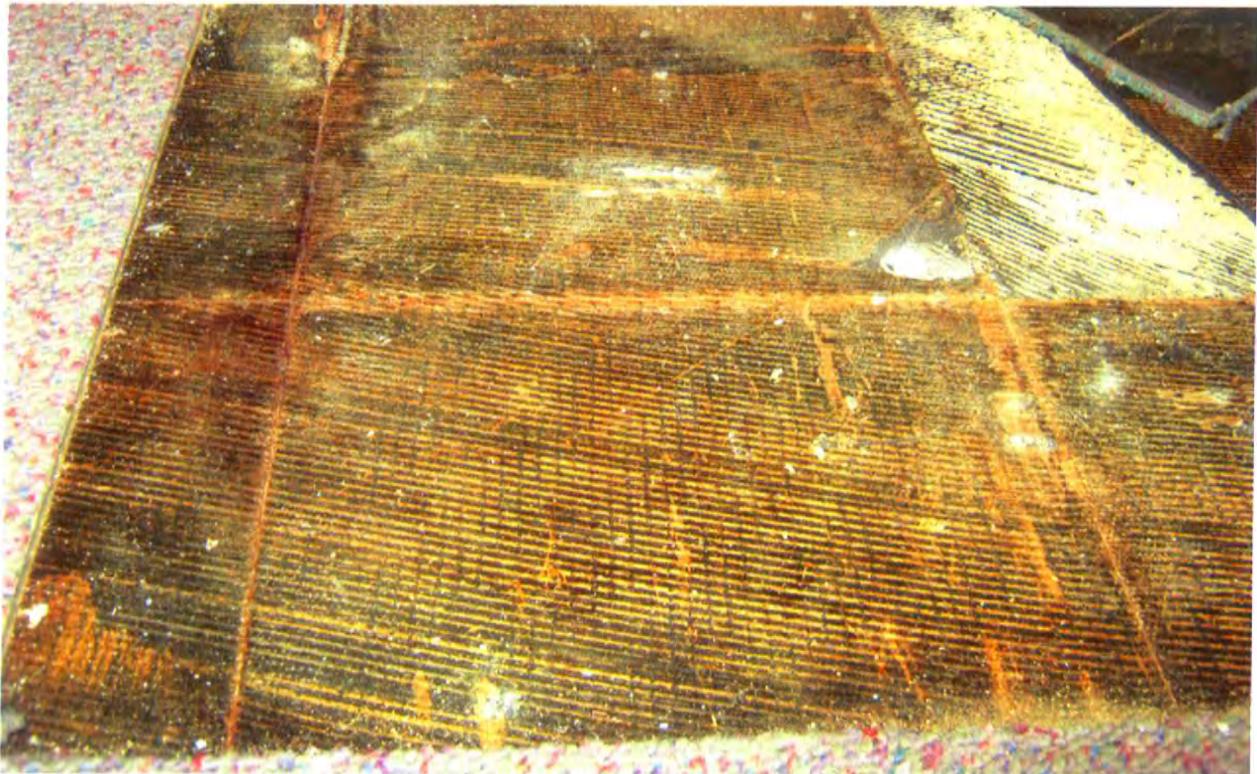
Photograph E-10 – interior window caulk



Photograph E-13 – mastic below 12"x12" beige floor tile



Photograph E-16 – mastic below 12"x12" brown / grey floor tile
Photograph E-31 – mastic below 12"x12" beige / brown floor tile (same material)



Photograph E-22 – carpet adhesive



Photograph E-28 – 9"x9" black floor tile and mastic
Photograph E-34 – 9"x9" black floor tile and mastic (same material)

APPENDIX B

**CONFIRMED ASBESTOS-CONTAINING MATERIALS
Old Bethel Elementary School
2240 Highway 24/27
Midland, North Carolina**

Building A

HA NO.	DESCRIPTION	MATERIAL LOCATION	PERCENT/TYPE ASBESTOS	CONDITION	ESTIMATED QUANTITY
1	12"x12" brown floor tile and mastic	Throughout	2% Chrysotile / 4% Chrysotile	Damaged	20,000 ft ²
4	Black mastic dots	Behind white boards	4% Chrysotile	Good	4,000 ft ²
10	9"x9" dotted floor tile and mastic	Room 11	3% Chrysotile / 3% Chrysotile	Damaged	500 ft ²
11	12"x12" beige floor tile and mastic	Adjacent to room 11	2% Chrysotile / 5% Chrysotile	Damaged	500 ft ²
13	Roof flashing	Roof	2% Chrysotile	Damaged	800 ft ²
14	Roof membrane	Center upper roof	3% Chrysotile	Damaged	5000 ft ²
15	Black mastic	Roof penetrations	3% Chrysotile	Damaged	100 ft ²
18	Pipe insulation	Crawlspace	79% Chrysotile	Damaged	1000 ft ²

Building B

HA NO.	DESCRIPTION	MATERIAL LOCATION	PERCENT/TYPE ASBESTOS	CONDITION	ESTIMATED QUANTITY
1	9"x9" white floor tile and mastic	Lobby	2% Chrysotile / 2% Chrysotile	Damaged	550 ft ²
4	Pipe insulation and elbows	Locker rooms	4% Chrysotile	Significantly damaged	200 ft
4	Tank insulation	Locker rooms	4% Chrysotile	Significantly damaged	300 ft ²
5	9"x9" dotted floor tile and mastic	Locker rooms	2% Chrysotile / 3% Chrysotile	Significantly damaged	50 ft ²

Building C

SAMPLE NO.	DESCRIPTION	MATERIAL LOCATION	PERCENT/TYPE ASBESTOS	CONDITION	ESTIMATED QUANTITY
8-10	Exterior caulk	Exterior door / window frames	2% Chrysotile	Damaged	3 door frames, 70 window frames
14-16	Interior window caulk	Throughout	2% Chrysotile	Good	*
17-21	9"x9" beige/brown floor tile and mastic	Classrooms (below carpet)	2% Chrysotile / 3% Chrysotile	Good	5000 ft ²
25-27	Window glazing	Exterior windows	2% Chrysotile	Significantly damaged	*
28-30	Interior door insulation	Throughout	6% Chrysotile, 3% Amosite	Good	22 doors
39-41	12"x12" brown floor tile and mastic	Classroom storage areas	2% Chrysotile / 2% Chrysotile	Good	200 ft ²
45-47	Mastic below 12"x12" white floor tile	Classroom storage areas	NAD / 2% Chrysotile	Good	300 ft ²
56-58	Roof flashing	Roof	10% Chrysotile	Good	500 ft ²

NAD = No Asbestos Detected

* Included in quantity for samples 8-10

Building D

SAMPLE NO.	DESCRIPTION	MATERIAL LOCATION	PERCENT/TYPE ASBESTOS	CONDITION	ESTIMATED QUANTITY
1-5	12"x12" grey/white floor tile and mastic	Dining room	2% Chrysotile / 2% Chrysotile	Damaged	2500 ft ²
6-8	Interior window caulk	Exterior windows	3% Chrysotile	Significantly damaged	24 window frames
17-19	Exterior caulk	Exterior doors / windows	3% Chrysotile	Significantly damaged	6 door frames, **
20-22	Door insulation	Throughout	3% Chrysotile, 6% Amosite	Good	5 doors

** Windows quantity included in quantity for samples 6-8

Building E

SAMPLE NO.	DESCRIPTION	MATERIAL LOCATION	PERCENT/TYPE ASBESTOS	CONDITION	ESTIMATED QUANTITY
1-3	Interior window glazing	Exterior windows	2% Chrysotile	Significantly damaged	150 window frames
10-12	Interior window caulk	Exterior windows	3% Chrysotile	Damaged	***
13-15	Mastic below 12"x12" beige floor tile	Throughout	NAD / 4% Chrysotile	damaged	3000 ft ²
16-18	Mastic below 12"x12" brown / grey floor tile	Art room patch	NAD / 2% Chrysotile	damaged	200 ft ²
22-24	Carpet adhesive	Classrooms	4% Chrysotile	Good	4000 ft ²
28-30	9"x9" black floor tile and mastic	Classroom storages (below carpet)	4% Chrysotile, 2% Chrysotile	Good	500 ft ²
31-33	Mastic below 12"x12" beige / brown floor tile	Art room patch	NAD / 3% Chrysotile	Good	50 ft ²
34-36	9"x9" black floor tile and mastic	Classroom 1 (below carpet)	4% Chrysotile / 2% Chrysotile	Good	300 ft ²

NAD = No Asbestos Detected

*** Included in quantity for samples 1-3.

Exterior Outbuildings

Asbestos was not detected in samples collected from the exterior outbuildings.

APPENDIX C

ASBESTOS LABORATORY ANALYTICAL REPORTS

Asbestos Survey Form

Inspector: William Reid
 License: 11977
 Date: 11/29/2010

Job Name: Old Bethel ES
 Job Number: 71107253
 Area: A Building

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable
1-1	12"x12" Brown Floor tile and Mastic	Room 200	2	D	20,000 ft ²	Non-Friable
1-2	12"x12" Brown Floor tile and Mastic	Corridor Behind Auditorium	2			
1-3	12"x12" Brown Floor tile and Mastic	Third Floor Corridor	3			
2-1	2'x 4' Ceiling Tiles	Second Floor Corridor	2	D	22,000 ft ²	Friable
2-2	2'x 4' Ceiling Tiles	Third Floor Corridor	3			
2-3	2'x 4' Ceiling Tiles	Auditorium	2			
3-1	Plaster	Room 201	2	D	300,000 ft ²	Friable
3-2	Plaster	Auditorium	2			
3-3	Plaster	Principals Office	2			
3-4	Plaster	Room 301	3			
3-5	Plaster	Room 303	3			
3-6	Plaster	Room 306	3			
3-7	Plaster	Room 307	3			
4-1	Black Mastic Dots	Whiteboard Behind Room 201	2	D	4,000 ft ²	Non-Friable
4-2	Black Mastic Dots	Whiteboard Behind Room 201	2			
4-3	Black Mastic Dots	Whiteboard Behind Room 201	2			
5-1	12"x12" Ceiling Tiles	Room 306	3	D	8,000 ft ²	Friable
5-2	12"x12" Ceiling Tiles	Room 306	3			
5-3	12"x12" Ceiling Tiles	Room 306	3			
6-1	Black Cove Base and Mastic	Second Floor Corridor	2	D	10,000 ft	Non-Friable
6-2	Black Cove Base and Mastic	Third Floor Corridor	3			
6-3	Black Cove Base and Mastic	Room 303	3			
7-1	12"x12" White and Grey Floor tile and Mastic	Room 206	2	D	3,000 ft ²	Non-Friable
7-2	12"x12" White and Grey Floor tile and Mastic	Room 206	2			
7-3	12"x12" White and Grey Floor tile and Mastic	Room 206	2			
8-1	12"x12" Brown/Dark Brown Floor tile and Mastic	Principals Bathroom	2	D	3,000 ft ²	Non-Friable
8-2	12"x12" Brown/Dark Brown Floor tile and Mastic	Principals Bathroom	2			
8-3	12"x12" Brown/Dark Brown Floor tile and Mastic	Principals Bathroom	2			
9-1	Carpet Glue	Classrooms		D	8,000 ft ²	Non-Friable
9-2	Carpet Glue	Classrooms				
9-3	Carpet Glue	Classrooms				

G = Good
 D = Damaged
 SD = Significantly Damaged

Inspector: William Reid
 License: 11977
 Date: 11/29/2010

Job Name: Old Bethel ES
 Job Number: 71107253
 Area: A Building

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable
10-1	9"x9" Dotted Floor tile and Mastic	Ms. Kreuker Room 11		D	500 ft ²	Non-Friable
10-2	9"x9" Dotted Floor tile and Mastic	Ms. Kreuker Room 11				
10-3	9"x9" Dotted Floor tile and Mastic	Ms. Kreuker Room 11				
11-1	12"x12" Beige Floor tile and Mastic	Attached to Room 11		D	500 ft ²	Non-Friable
11-2	12"x12" Beige Floor tile and Mastic	Attached to Room 11				
11-3	12"x12" Beige Floor tile and Mastic	Attached to Room 11				
12-1	Roof Membrane	Roof	R	D	10,000 ft ²	Non-Friable
12-2	Roof Membrane	Roof	R			
12-3	Roof Membrane	Roof	R			
13-1	Roof Flashing	Roof	R	D	800 ft ²	Non-Friable
13-2	Roof Flashing	Roof	R			
13-3	Roof Flashing	Roof	R			
14-1	Roof Membrane	Center Upper Roof	R	D	5,000 ft ²	Non-Friable
14-2	Roof Membrane	Center Upper Roof	R			
14-3	Roof Membrane	Center Upper Roof	R			
15-1	Black Mastic	Roof Penetrations	R	D	100 ft ²	Non-Friable
15-2	Black Mastic	Roof Penetrations	R			
15-3	Black Mastic	Roof Penetrations	R			
16-1	Particle Board	Above Suspended Ceiling Tile	2	SD	27,000 ft ²	Friable
16-2	Particle Board	Above Suspended Ceiling Tile	2			
16-3	Particle Board	Above Suspended Ceiling Tile	2			
17-1	Wallboard and Joint Compound	Second Floor Corridor	2	D	30,000 ft ²	Friable
17-2	Wallboard and Joint Compound	Second Floor Corridor	2			
17-3	Wallboard and Joint Compound	Third Floor Corridor	3			
18-1	Thermal System Insulation (TSI)	Crawlspaces	C	D	1,000 ft	Friable
18-2	Thermal System Insulation (TSI)	Crawlspaces	C			
18-3	Thermal System Insulation (TSI)	Crawlspaces	C			
18-4	Thermal System Insulation (TSI)	Crawlspaces	C			
18-5	Thermal System Insulation (TSI)	Crawlspaces	C			

G = Good
 D = Damaged
 SD = Significantly Damaged

Asbestos Identification by Polarized Light Microscopy Analysis Report



NVLAP LAB CODE: 200718-0
 Attn: Russell Harrings
 Terracon Consulting Engineers & Scientists
 2020-E Starita Road
 Charlotte, NC 28206

WV License #: LT000392
 VA License #: 333 000241

400D Prestige Park
 Hurricane, West Virginia
 25526
 Phone: 304-757-5204
 Fax: 304-757-5205

Received Date: 12/9/2010
 Analysis Date: 12/14/2010

PEC Project #:
 Client Project/PO #: 71107253

RE: Old Bethel ES - A Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28543a	1-1	Rm 200	Brown		
Texture/Description: Solid/12"x12" FT			Chrysotile: 2%	Tremolite: 0%	Anthophyllite: 0%
TOTAL ASBESTOS: 2 %			Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 98 %		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28543b	1-1	Rm 200	Black		
Texture/Description: Solid/Mastic			Chrysotile: 4%	Tremolite: 0%	Anthophyllite: 0%
TOTAL ASBESTOS: 4 %			Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 96 %		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28544	1-2	Stopped Analysis			
Texture/Description: /			Chrysotile:	Tremolite:	Anthophyllite:
TOTAL ASBESTOS:			Amosite:	Actinolite:	Crocidolite:
Cellulose:	Fiber Glass:	Others:	Filler/Binder:		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28545	1-3	Stopped Analysis			
Texture/Description: /			Chrysotile:	Tremolite:	Anthophyllite:
TOTAL ASBESTOS:			Amosite:	Actinolite:	Crocidolite:
Cellulose:	Fiber Glass:	Others:	Filler/Binder:		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28546	2-1	2nd Floor Corridor	Tan/White		
Texture/Description: Solid/2'x4' Ceiling Tile			Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%
TOTAL ASBESTOS: 0 %			Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
Cellulose: 10%	Fiber Glass: 31%	Others: 0%	Filler/Binder: 59 %		

RE: Old Bethel ES - A Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28547	2-2	3rd Floor Corridor	Tan/White				
Texture/Description:	Solid/2'x4' Ceiling Tile	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	10%	Fiber Glass:	33%	Others:	0%	Filler/Binder:	57 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28548	2-3	Auditorium	Tan/White				
Texture/Description:	Solid/2'x4' Ceiling Tile	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	7%	Fiber Glass:	28%	Others:	0%	Filler/Binder:	65 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28549a	3-1	Rm 201	Brown				
Texture/Description:	Solid/Plaster	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	5%	Filler/Binder:	95 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28549b	3-1	Rm 201	White				
Texture/Description:	Solid/Top Coat	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28550a	3-2	Auditorium	Brown				
Texture/Description:	Solid/Plaster	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	4%	Filler/Binder:	96 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28550b	3-2	Auditorium	White				
Texture/Description:	Solid/Top Coat	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28551a	3-3	Principal's Office	Brown				
Texture/Description:	Solid/Plaster	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	5%	Filler/Binder:	95 %

RE: Old Bethel ES - A Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28551b	3-3	Principal's Office	White
Texture/Description:	Solid/Top Coat	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28552a	3-4	Rm 301	Brown
Texture/Description:	Solid/Plaster	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 3%	Filler/Binder: 97 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28552b	3-4	Rm 301	White
Texture/Description:	Solid/Top Coat	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28553a	3-5	Rm 303	Brown
Texture/Description:	Solid/Plaster	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 4%	Filler/Binder: 96 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28553b	3-5	Rm 303	White
Texture/Description:	Solid/Top Coat	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28554a	3-6	Rm 306	Brown
Texture/Description:	Solid/Plaster	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 4%	Filler/Binder: 96 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28554b	3-6	Rm 306	White
Texture/Description:	Solid/Top Coat	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

RE: Old Bethel ES - A Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28555a	3-7	Rm 307	Brown		
Texture/Description:	Solid/Plaster		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%		Others: 3%	Filler/Binder: 97 %	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28555b	3-7	Rm 307	White		
Texture/Description:	Solid/Top Coat		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 100%	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28556a	3-8		Brown		
Texture/Description:	Solid/Plaster		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%		Others: 3%	Filler/Binder: 97 %	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28556b	3-8		White		
Texture/Description:	Solid/Top Coat		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 100%	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28557a	3-9		Brown		
Texture/Description:	Solid/Plaster		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 100%	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28557b	3-9		White		
Texture/Description:	Solid/Top Coat		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 100%	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28558	4-1	Behind Whiteboard Rmm 201	Black		
Texture/Description:	Solid/Mastic Dots		Chrysotile: 4%	Tremolite: 0%	Anthophyllite: 0%
TOTAL ASBESTOS:	4 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 96 %	

RE: Old Bethel ES - A Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28559	4-2	Stopped Analysis	
Texture/Description: /		Chrysotile:	Tremolite: Anthophyllite:
TOTAL ASBESTOS:		Amosite:	Crocidolite:
Cellulose:	Fiber Glass:	Others:	Filler/Binder:

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28560	4-3	Stopped Analysis	
Texture/Description: /		Chrysotile:	Tremolite: Anthophyllite:
TOTAL ASBESTOS:		Amosite:	Crocidolite:
Cellulose:	Fiber Glass:	Others:	Filler/Binder:

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28561	5-1	Rm 306	Brown/White
Texture/Description: Fibrous/12"x12" Ceiling Tiles		Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 %		Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 95%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 5 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28562	5-2	Rm 306	Brown/White
Texture/Description: Fibrous/12"x12" Ceiling Tiles		Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 %		Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 94%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 6 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28563	5-3	Rm 206	Brown/White
Texture/Description: Fibrous/12"x12" Ceiling Tiles		Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 %		Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 94%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 6 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28564	6-1	2nd Floor Corridor Cove Base	Black/Brown
Texture/Description: Solid/Mastic		Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 %		Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 3%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 97 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28565	6-2	3rd Floor Corridor Cove Base	Black/Brown
Texture/Description: Solid/Mastic		Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 %		Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 2%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 98 %

RE: Old Bethel ES - A Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28566	6-3	Rm 303 Cove Base	Black/Brown			
Texture/Description:	Solid/Mastic		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 2%	Fiber Glass: 0%		Others: 0%		Filler/Binder: 98 %	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28567a	7-1	Rm 206	White			
Texture/Description:	Solid/12"x12" FT		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%		Filler/Binder: 100%	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28567b	7-1	Rm 206	Yellow			
Texture/Description:	Solid/Mastic		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 2%	Fiber Glass: 0%		Others: 0%		Filler/Binder: 98 %	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28568a	7-2	Rm 206	White			
Texture/Description:	Solid/12"x12" FT		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%		Filler/Binder: 100%	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28568b	7-2	Rm 206	Yellow			
Texture/Description:	Solid/Mastic		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%		Filler/Binder: 100%	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28569a	7-3	Rm 206	White			
Texture/Description:	Solid/12"x12" FT		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%		Filler/Binder: 100%	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28569b	7-3	Rm 206	Yellow			
Texture/Description:	Solid/Mastic		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 2%	Fiber Glass: 0%		Others: 0%		Filler/Binder: 98 %	

RE: Old Bethel ES - A Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28570a	8-1	Principal's Bathroom	Tan/Brown			
Texture/Description:	Solid/12"x12" FT		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 100%		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28570b	8-1	Principal's Bathroom	Yellow			
Texture/Description:	Solid/Mastic		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 100%		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28571a	8-2	Principal's Bathroom	Tan/Brown			
Texture/Description:	Solid/12"x12" FT		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 100%		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28571b	8-2	Principal's Bathroom	Yellow			
Texture/Description:	Solid/Mastic		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 100%		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28572a	8-3	Principal's Bathroom	Tan/Brown			
Texture/Description:	Solid/12"x12" FT		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 100%		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28572b	8-3	Principal's Bathroom	Yellow			
Texture/Description:	Solid/Mastic		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 100%		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28573	9-1	Classrooms Carpet	Yellow			
Texture/Description:	Solid/Glue		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 2%	Filler/Binder: 98 %		

RE: Old Bethel ES - A Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28574	9-2	Classrooms Carpet	Yellow				
Texture/Description:	Solid/Glue	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	3%	Filler/Binder:	97 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28575	9-3	Classrooms Carpet	Yellow				
Texture/Description:	Solid/Glue	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	3%	Filler/Binder:	97 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28576a	10-1	Ms. Kreuker Rm 11	Beige/Brown				
Texture/Description:	Solid/9"x9" FT	Chrysotile:	3%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	3 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	97 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28576b	10-1	Ms. Kreuker Rm 11	Black				
Texture/Description:	Solid/Mastic	Chrysotile:	3%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	3 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	97 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28577	10-2	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28578	10-3	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28579a	11-1	Attached to Rm 11	Beige				
Texture/Description:	Solid/12"x12" FT	Chrysotile:	2%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	2 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	98 %

RE: Old Bethel ES - A Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28579b	11-1	Attached to Rm 11	Black			
Texture/Description:	Solid/Mastic		Chrysotile: 5%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	5 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 95 %		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28580	11-2	Stopped Analysis	Black		
Texture/Description:	/		Chrysotile:	Tremolite:	Anthophyllite:
TOTAL ASBESTOS:			Amosite:	Actinolite:	Crocidolite:
Cellulose:	Fiber Glass:		Others:	Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28581	11-3	Stopped Analysis	Black		
Texture/Description:	/		Chrysotile:	Tremolite:	Anthophyllite:
TOTAL ASBESTOS:			Amosite:	Actinolite:	Crocidolite:
Cellulose:	Fiber Glass:		Others:	Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28582	12-1	Roof	Black			
Texture/Description:	Solid/Membrane		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 3%		Others: 0%	Filler/Binder: 97 %		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28583	12-2	Roof	Black			
Texture/Description:	Solid/Membrane		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 2%		Others: 0%	Filler/Binder: 98 %		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28584	12-3	Roof	Black			
Texture/Description:	Solid/Membrane		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 2%		Others: 0%	Filler/Binder: 98 %		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28585	13-1	Roof	Black			
Texture/Description:	Solid/Flashing		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 8%		Others: 0%	Filler/Binder: 92 %		

RE: Old Bethel ES - A Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28586	13-2	Roof	Black			
Texture/Description:	Solid/Flashing		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 11%		Others: 0%	Filler/Binder: 89 %		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28587	13-3	Roof	Black			
Texture/Description:	Solid/Flashing		Chrysotile: 2%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	2 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 10%		Others: 0%	Filler/Binder: 88 %		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28588	14-1	Center Upper Roof	Black			
Texture/Description:	Solid/Membrane		Chrysotile: 3%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	3 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 8%		Others: 0%	Filler/Binder: 89 %		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28589	14-2	Stopped Analysis				
Texture/Description:	/		Chrysotile:	Tremolite:	Anthophyllite:	
TOTAL ASBESTOS:			Amosite:	Actinolite:	Crocidolite:	
Cellulose:	Fiber Glass:		Others:	Filler/Binder:		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28590	14-3	Stopped Analysis				
Texture/Description:	/		Chrysotile:	Tremolite:	Anthophyllite:	
TOTAL ASBESTOS:			Amosite:	Actinolite:	Crocidolite:	
Cellulose:	Fiber Glass:		Others:	Filler/Binder:		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28591	15-1	Roof Penetrations	Black			
Texture/Description:	Solid/Mastic		Chrysotile: 3%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	3 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 97 %		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28592	15-2	Stopped Analysis				
Texture/Description:	/		Chrysotile:	Tremolite:	Anthophyllite:	
TOTAL ASBESTOS:			Amosite:	Actinolite:	Crocidolite:	
Cellulose:	Fiber Glass:		Others:	Filler/Binder:		

RE: Old Bethel ES - A Bldg

PEC LAB #: CLIENT ID #: LOCATION: COLOR:
10WB-28593 15-3 Stopped Analysis

Texture/Description: / Chrysotile: Tremolite: Anthophyllite:

TOTAL ASBESTOS: Amosite: Actinolite: Crocidolite:

Cellulose: Fiber Glass: Others: Filler/Binder:

PEC LAB #: CLIENT ID #: LOCATION: COLOR:
10WB-28594 16-1 Above Suspended CT Brown/White

Texture/Description: Fibrous/Particle Board Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%

TOTAL ASBESTOS: 0 % Amosite: 0% Actinolite: 0% Crocidolite: 0%

Cellulose: 95% Fiber Glass: 0% Others: 0% Filler/Binder: 5 %

PEC LAB #: CLIENT ID #: LOCATION: COLOR:
10WB-28595 16-2 Above Suspended CT Brown/White

Texture/Description: Fibrous/Particle Board Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%

TOTAL ASBESTOS: 0 % Amosite: 0% Actinolite: 0% Crocidolite: 0%

Cellulose: 96% Fiber Glass: 0% Others: 0% Filler/Binder: 4 %

PEC LAB #: CLIENT ID #: LOCATION: COLOR:
10WB-28596 16-3 Above Suspended CT Brown/White

Texture/Description: Fibrous/Particle Board Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%

TOTAL ASBESTOS: 0 % Amosite: 0% Actinolite: 0% Crocidolite: 0%

Cellulose: 95% Fiber Glass: 0% Others: 0% Filler/Binder: 5 %

PEC LAB #: CLIENT ID #: LOCATION: COLOR:
10WB-28597a 17-1 Second Floor Corridor White/Brown

Texture/Description: Solid/Wallboard Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%

TOTAL ASBESTOS: 0 % Amosite: 0% Actinolite: 0% Crocidolite: 0%

Cellulose: 9% Fiber Glass: 0% Others: 0% Filler/Binder: 91 %

PEC LAB #: CLIENT ID #: LOCATION: COLOR:
10WB-28597b 17-1 Second Floor Corridor White

Texture/Description: Solid/Joint Compound Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%

TOTAL ASBESTOS: 0 % Amosite: 0% Actinolite: 0% Crocidolite: 0%

Cellulose: 2% Fiber Glass: 0% Others: 0% Filler/Binder: 98 %

PEC LAB #: CLIENT ID #: LOCATION: COLOR:
10WB-28598a 17-2 Second Floor Corridor White/Brown

Texture/Description: Solid/Wallboard Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%

TOTAL ASBESTOS: 0 % Amosite: 0% Actinolite: 0% Crocidolite: 0%

Cellulose: 9% Fiber Glass: 0% Others: 0% Filler/Binder: 91 %

RE: Old Bethel ES - A Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28598b	17-2	Second Floor Corridor	White				
Texture/Description:	Solid/Joint Compound	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28599a	17-3	Third Floor Corridor	White/Brown				
Texture/Description:	Solid/Wallboard	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	9%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	91 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28599b	17-3	Third Floor Corridor	White				
Texture/Description:	Solid/Joint Compound	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	3%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	97 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28600	18-1	Crawlspace	Beige				
Texture/Description:	Solid/TSI	Chrysotile:	79%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	79 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	21 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28601	18-2	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28602	18-3	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28603	18-4	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

RE: Old Bethel ES - A Bldg

PEC LAB #: 10WB-28604 CLIENT ID #: 18-5 LOCATION: Stopped Analysis COLOR:

Texture/Description: / Chrysotile: Tremolite: Anthophyllite:
TOTAL ASBESTOS: Amosite: Actinolite: Crocidolite:
Cellulose: Fiber Glass: Others: Filler/Binder:

Analytical Method: Polarized light microscopy using dispersion staining (EPA-600/M4-82-020). PLM should not be used to demonstrate the absence of asbestos in floor tiles. All samples will be held for sixty (60) days unless otherwise requested. This report relates only to items tested and makes no statement as to the contents of surrounding materials. Multi-layered material which have distinct and separable layers shall be reported separately. This report shall not be reproduced, except in full, without written permission. The results of this report should not be used as an endorsement for NVLAP or any other government agency.

Analyzed by: *Littia C. Mann*

Littia Mann

Inspector: William Reid
 License: 11977
 Date: 12/2/2010

Job Name: Old Bethel ES
 Job Number: 71107253
 Area: B Building

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable
1-1	9"x9" White Floor tile and Mastic	Lobby	1	D	550 ft ²	Non-Friable
1-2	9"x9" White Floor tile and Mastic	Lobby	1			
1-3	9"x9" White Floor tile and Mastic	Lobby	1			
2-1	Ceiling Texture	Lobby	1	D	750 ft ²	Friable
2-2	Ceiling Texture	Lobby	1			
2-3	Ceiling Texture	Lobby	1			
3-1	Black Cove Base and Mastic	Throughout	1	D	100 ft	Non-Friable
3-2	Black Cove Base and Mastic	Throughout	1			
3-3	Black Cove Base and Mastic	Throughout	1			
4-1	TSI Straight Run	Boys and Girls Locker Room	1	SD	200 ft	Friable
4-2	TSI Straight Run	Boys and Girls Locker Room	1			
4-3	TSI Straight Run	Boys and Girls Locker Room	1			
4-4	TSI Elbows	Boys and Girls Locker Room	1	SD	13 Elbows	Friable
4-5	TSI Elbows	Boys and Girls Locker Room	1			
4-6	Tank Insulation	Boys Locker Room	1	D	300 ft ²	Friable
4-7	Tank Insulation	Boys Locker Room	1			
4-8	Tank Insulation	Boys Locker Room	1			
5-1	9"x9" Dotted Floor tile and Mastic	Boys and Girls Locker Room	1	SD	50 ft ²	Non-Friable
5-2	9"x9" Dotted Floor tile and Mastic	Boys and Girls Locker Room	1			
5-3	9"x9" Dotted Floor tile and Mastic	Boys and Girls Locker Room	1			
6-1	Tank Insulation	Boys Locker Room	1	D	200 ft ²	Friable
6-2	Tank Insulation	Boys Locker Room	1			
6-3	Tank Insulation	Boys Locker Room	1			
7-1	Window Glazing	Lobby Windows	ext	SD	60 Windows	Non-Friable
7-2	Window Glazing	Lobby Windows	ext			
7-3	Window Glazing	Lobby Windows	ext			
8-1	Roof Membrane	Roof	ext	D	9,400 ft ²	Non-Friable
8-2	Roof Membrane	Roof	ext			
8-3	Roof Membrane	Roof	ext			

G = Good
 D = Damaged
 SD = Significantly Damaged

Asbestos Identification by Polarized Light Microscopy Analysis Report



400D Prestige Park
Hurricane, West Virginia
25526
Phone: 304-757-5204
Fax: 304-757-5205

NVLAP LAB CODE: 200718-0
Attn: Russell Harrings
Terracon Consulting Engineers & Scientists
2020-E Starita Road
Charlotte, NC 28206

WV License #: LT000392
VA License #: 333 000241

Received Date: 12/9/2010
Analysis Date: 12/14/2010

PEC Project #:
Client Project/PO #: 71107253

RE: Old Bethel ES - B Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28605a	1-1	Lobby	White
Texture/Description: Solid/9"x9" FT			
TOTAL ASBESTOS: 2 %			
Cellulose: 0%	Fiber Glass: 0%	Chrysotile: 2%	Tremolite: 0%
		Amosite: 0%	Actinolite: 0%
		Others: 0%	Anthophyllite: 0%
			Crocidolite: 0%
			Filler/Binder: 98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28605b	1-1	Lobby	Black/Yellow
Texture/Description: Solid/Mastic			
TOTAL ASBESTOS: 2 %			
Cellulose: 2%	Fiber Glass: 0%	Chrysotile: 2%	Tremolite: 0%
		Amosite: 0%	Actinolite: 0%
		Others: 0%	Anthophyllite: 0%
			Crocidolite: 0%
			Filler/Binder: 96 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28606	1-2	Stopped Analysis	
Texture/Description: /			
TOTAL ASBESTOS:			
Cellulose:	Fiber Glass:	Chrysotile:	Tremolite:
		Amosite:	Actinolite:
		Others:	Anthophyllite:
			Crocidolite:
			Filler/Binder:

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28607	1-3	Stopped Analysis	
Texture/Description: /			
TOTAL ASBESTOS:			
Cellulose:	Fiber Glass:	Chrysotile:	Tremolite:
		Amosite:	Actinolite:
		Others:	Anthophyllite:
			Crocidolite:
			Filler/Binder:

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28608	2-1	Lobby	White
Texture/Description: Solid/Ceiling Texture			
TOTAL ASBESTOS: 0 %			
Cellulose: 0%	Fiber Glass: 0%	Chrysotile: 0%	Tremolite: 0%
		Amosite: 0%	Actinolite: 0%
		Others: 0%	Anthophyllite: 0%
			Crocidolite: 0%
			Filler/Binder: 100%

RE: Old Bethel ES - B Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28609	2-2	Lobby	White				
Texture/Description:	Solid/Ceiling Texture	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28610	2-3	Lobby	White				
Texture/Description:	Solid/Ceiling Texture	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28611	3-1	Cove Base	Yellow				
Texture/Description:	Solid/Mastic	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	2%	Filler/Binder:	98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28612	3-2	Cove Base	Yellow				
Texture/Description:	Solid/Mastic	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	2%	Filler/Binder:	98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28613	3-3	Cove Base	Yellow				
Texture/Description:	Solid/Mastic	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	2%	Filler/Binder:	98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28614	4-1	Boys & Girls Locker Rm Straight Run	Beige				
Texture/Description:	Solid/TSI	Chrysotile:	4%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	4 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	19%	Others:	0%	Filler/Binder:	77 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28615	4-2	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

RE: Old Bethel ES - B Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28616	4-3	Stopped Analysis	
Texture/Description: /		Chrysotile:	Tremolite: Anthophyllite:
TOTAL ASBESTOS:		Amosite:	Actinolite: Crocidolite:
Cellulose:	Fiber Glass:	Others:	Filler/Binder:

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28617	4-4	Stopped Analysis	
Texture/Description: /		Chrysotile:	Tremolite: Anthophyllite:
TOTAL ASBESTOS:		Amosite:	Actinolite: Crocidolite:
Cellulose:	Fiber Glass:	Others:	Filler/Binder:

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28618	4-5	Stopped Analysis	
Texture/Description: /		Chrysotile:	Tremolite: Anthophyllite:
TOTAL ASBESTOS:		Amosite:	Actinolite: Crocidolite:
Cellulose:	Fiber Glass:	Others:	Filler/Binder:

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28619	4-6	Stopped Analysis	
Texture/Description: /		Chrysotile:	Tremolite: Anthophyllite:
TOTAL ASBESTOS:		Amosite:	Actinolite: Crocidolite:
Cellulose:	Fiber Glass:	Others:	Filler/Binder:

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28620	4-7	Stopped Analysis	
Texture/Description: /		Chrysotile:	Tremolite: Anthophyllite:
TOTAL ASBESTOS:		Amosite:	Actinolite: Crocidolite:
Cellulose:	Fiber Glass:	Others:	Filler/Binder:

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28621	4-8	Stopped Analysis	
Texture/Description: /		Chrysotile:	Tremolite: Anthophyllite:
TOTAL ASBESTOS:		Amosite:	Actinolite: Crocidolite:
Cellulose:	Fiber Glass:	Others:	Filler/Binder:

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28622a	5-1	Girls & Boys Locker Rm	Beige/Brown
Texture/Description: Solid/9"x9" FT		Chrysotile: 2%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 2 %		Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 98 %

RE: Old Bethel ES - B Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:					
10WB-28622b	5-1	Girls & Boys Locker Rm	Black					
Texture/Description:	Solid/Mastic		Chrysotile:	3%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	3 %		Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	97 %	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:					
10WB-28623	5-2	Stopped Analysis						
Texture/Description:	/		Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:			Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:					
10WB-28624	5-3	Stopped Analysis						
Texture/Description:	/		Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:			Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:					
10WB-28625	6-1	Boys Locker Rm Tank	Grey					
Texture/Description:	Solid/Insulation		Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %		Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:					
10WB-28626	6-2	Boys Locker Rm Tank	White					
Texture/Description:	Solid/Insulation		Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %		Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:					
10WB-28627	6-3	Boys Locker Rm Tank	White					
Texture/Description:	Solid/Insulation		Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %		Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:					
10WB-28628	7-1	Lobby Windows	Grey					
Texture/Description:	Solid/Glazing		Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %		Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%	

RE: Old Bethel ES - B Bldg

PEC LAB #: 10WB-28629	CLIENT ID #: 7-2	LOCATION: Lobby Windows	COLOR: White
Texture/Description: Solid/Glazing		Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 %		Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

PEC LAB #: 10WB-28630	CLIENT ID #: 7-3	LOCATION: Lobby Windows	COLOR: Grey
Texture/Description: Solid/Glazing		Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 %		Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

PEC LAB #: 10WB-28631	CLIENT ID #: 8-1	LOCATION: Roof	COLOR: Black
Texture/Description: Solid/Membrane		Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 %		Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

PEC LAB #: 10WB-28632	CLIENT ID #: 8-2	LOCATION: Roof	COLOR: Black
Texture/Description: Solid/Membrane		Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 %		Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

PEC LAB #: 10WB-28633	CLIENT ID #: 8-3	LOCATION: Roof	COLOR: Black
Texture/Description: Solid/Membrane		Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 %		Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

Analytical Method: Polarized light microscopy using dispersion staining (EPA-600/M4-82-020). PLM should not be used to demonstrate the absence of asbestos in floor tiles. All samples will be held for sixty (60) days unless otherwise requested. This report relates only to items tested and makes no statement as to the contents of surrounding materials. Multi-layered material which have distinct and separable layers shall be reported separately. This report shall not be reproduced, except in full, without written permission. The results of this report should not be used as an endorsement for NVLAP or any other government agency.

Analyzed by: Littia C. Mann

Littia Mann

Asbestos Survey Form

Inspector: Chris Kelly
 License: 12487
 Date: 12/1/2010

Job Name: Old Bethel ES
 Job Number: 71107253
 Area: C Building

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable
1	Acoustic Ceiling Texture	Throughout	1			
2	Acoustic Ceiling Texture	Throughout	1	G	9,000 ft ²	Friable
3	Acoustic Ceiling Texture	Throughout	1			
4	Acoustic Ceiling Texture	Throughout	1			
5	Acoustic Ceiling Texture	Throughout	1			
6	Acoustic Ceiling Texture	Throughout	1			
7	Acoustic Ceiling Texture	Throughout	1			
8	Exterior Door Frame Caulking/Windows	Exterior	1	G	3 doors frame	Non-Friable
9	Exterior Door Frame Caulking/Windows	Exterior	1		70 window	
10	Exterior Door Frame Caulking/Windows	Exterior	1		frames	
11	4" Blue Cove Base Board	Throughout	1	G	1,000 ft	Non-Friable
12	4" Blue Cove Base Board	Throughout	1			
13	4" Blue Cove Base Board	Throughout	1			
14	Interior Window Frame Caulking	Interior Throughout	1	G	* same as	Non-Friable
15	Interior Window Frame Caulking	Interior Throughout	1		#8-10	
16	Interior Window Frame Caulking	Interior Throughout	1			
17	9"x9" Beige Brown Black Spots Floor tile and Mastic	Classrooms Beneath Carpet	1	G	5,000 ft ²	Non-Friable
18	9"x9" Beige Brown Black Spots Floor tile and Mastic	Classrooms Beneath Carpet	1			
19	9"x9" Beige Brown Black Spots Floor tile and Mastic	Classrooms Beneath Carpet	1			
20	9"x9" Beige Brown Black Spots Floor tile and Mastic	Classrooms Beneath Carpet	1			
21	9"x9" Beige Brown Black Spots Floor tile and Mastic	Classrooms Beneath Carpet	1			
22	Black Vinyl Thresh Holds	Entrance to Classrooms	1	G	100 ft	Non-Friable
23	Black Vinyl Thresh Holds	Entrance to Classrooms	1			
24	Black Vinyl Thresh Holds	Entrance to Classrooms	1			
25	Interior Window Glazing (Same as Exterior)	Exterior	1	SD	* same as	Friable
26	Interior Window Glazing (Same as Exterior)	Exterior	1		#8-10	
27	Interior Window Glazing (Same as Exterior)	Exterior	1			
28	Interior Door Insulation	All Interior and Exterior Doors	1	G	22 Doors	Friable
29	Interior Door Insulation	All Interior and Exterior Doors	1			
30	Interior Door Insulation	All Interior and Exterior Doors	1			
31	4" Black Cove Base Board	Vinyl Floor Areas off Classrooms	1	G	500 ft	Non-Friable

G = Good
 D = Damaged
 SD = Significantly Damaged

Inspector: Chris Kelly
 License: 12487
 Date: 12/1/2010

Job Name: Old Bethel ES
 Job Number: 71107253
 Area: C Building

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable
32	4" Black Cove Base Board	Vinyl Floor Areas off Classrooms	1			
33	4" Black Cove Base Board	Vinyl Floor Areas off Classrooms	1			
34	Plaster Skim Coat	Throughout	1	G	9,000 ft ²	Friable
35	Plaster Skim Coat	Throughout	1			
36	Plaster Skim Coat	Throughout	1			
37	Plaster Skim Coat	Throughout	1			
38	Plaster Skim Coat	Throughout	1			
39	12"x12" Brown Floor Tile	Storage Areas off Classrooms	1	G	200 ft ²	Non-Friable
40	12"x12" Brown Floor Tile	Storage Areas off Classrooms	1			
41	12"x12" Brown Floor Tile	Storage Areas off Classrooms	1			
42	12"x12" Black Floor Tile	Storage Areas off Classrooms	1	G	50 ft ²	Non-Friable
43	12"x12" Black Floor Tile	Storage Areas off Classrooms	1			
44	12"x12" Black Floor Tile	Storage Areas off Classrooms	1			
45	12"x12" White Floor tile	Storage Areas off Classrooms	1	G	300 ft ²	Non-Friable
46	12"x12" White Floor tile	Storage Areas off Classrooms	1			
47	12"x12" White Floor tile	Storage Areas off Classrooms	1			
48	Carpet Adhesive	Classroom Carpets	1	G	5,000 ft ²	Non-Friable
49	Carpet Adhesive	Classroom Carpets	1			
50	Carpet Adhesive	Classroom Carpets	1			
51	Carpet Adhesive	Classroom Carpets	1			
52	Carpet Adhesive	Classroom Carpets	1			
53	Roof Membrane	Roof	1	G	8,800 ft ²	Non-Friable
54	Roof Membrane	Roof	1			
55	Roof Membrane	Roof	1			
56	Roof Flashing	Roof	1	G	500 ft ²	Non-Friable
57	Roof Flashing	Roof	1			
58	Roof Flashing	Roof	1			

G = Good
 D = Damaged
 SD = Significantly Damaged

Asbestos Identification by Polarized Light Microscopy Analysis Report



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NVLAP LAB CODE: 200718-0

WV License #: LT000392

Attn: Russell Harrings

VA License #: 333 000241

Terracon Consulting Engineers & Scientists

2020-E Starita Road

Charlotte, NC 28206

Received Date: 12/9/2010

PEC Project #:

Analysis Date: 12/15/2010

Client Project/PO #: 71107253

RE: Old Bethel ES - C Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:		COLOR:
10WB-28634	1	Ceiling Throughout		White
Texture/Description: Solid/Acoustic Texture				
Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%				
TOTAL ASBESTOS: 0 %				
Amosite: 0% Actinolite: 0% Crocidolite: 0%				
Cellulose: 0% Fiber Glass: 0% Others: 0% Filler/Binder: 100%				

PEC LAB #:	CLIENT ID #:	LOCATION:		COLOR:
10WB-28635	2	Ceiling Throughout		White
Texture/Description: Solid/Acoustic Texture				
Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%				
TOTAL ASBESTOS: 0 %				
Amosite: 0% Actinolite: 0% Crocidolite: 0%				
Cellulose: 0% Fiber Glass: 0% Others: 0% Filler/Binder: 100%				

PEC LAB #:	CLIENT ID #:	LOCATION:		COLOR:
10WB-28636	3	Ceiling Throughout		White
Texture/Description: Solid/Acoustic Texture				
Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%				
TOTAL ASBESTOS: 0 %				
Amosite: 0% Actinolite: 0% Crocidolite: 0%				
Cellulose: 0% Fiber Glass: 0% Others: 0% Filler/Binder: 100%				

PEC LAB #:	CLIENT ID #:	LOCATION:		COLOR:
10WB-28637	4	Ceiling Throughout		White
Texture/Description: Solid/Acoustic Texture				
Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%				
TOTAL ASBESTOS: 0 %				
Amosite: 0% Actinolite: 0% Crocidolite: 0%				
Cellulose: 0% Fiber Glass: 0% Others: 0% Filler/Binder: 100%				

PEC LAB #:	CLIENT ID #:	LOCATION:		COLOR:
10WB-28638	5	Ceiling Throughout		White
Texture/Description: Solid/Acoustic Texture				
Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%				
TOTAL ASBESTOS: 0 %				
Amosite: 0% Actinolite: 0% Crocidolite: 0%				
Cellulose: 0% Fiber Glass: 0% Others: 0% Filler/Binder: 100%				

RE: Old Bethel ES - C Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28639	6	Ceiling Throughout	White				
Texture/Description:	Solid/Acoustic Texture	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28640	7	Ceiling Throughout	White				
Texture/Description:	Solid/Acoustic Texture	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28641	8	Exterior Door Frame Ext. Window	Tan				
Texture/Description:	Solid/Caulking	Chrysotile:	2%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	2 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28642	9	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28643	10	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28644a	11	Throughout	Black				
Texture/Description:	Solid/4" Cove Base Board	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28644b	11	Throughout	Tan				
Texture/Description:	Solid/Mastic	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

RE: Old Bethel ES - C Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28645a	12	Throughout	Blue				
Texture/Description:	Solid/4" Cove Base Board	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28645b	12	Throughout	Cream				
Texture/Description:	Solid/Mastic	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	3%	Filler/Binder:	97 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28646a	13	Throughout	Blue				
Texture/Description:	Solid/4" Cove Base Board	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28646b	13	Throughout	Cream				
Texture/Description:	Solid/Mastic	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	3%	Filler/Binder:	97 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28647	14	Interior Window Frame Throughout	Cream				
Texture/Description:	Solid/Caulking	Chrysotile:	2%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	2 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28648	15	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28649	16	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

RE: Old Bethel ES - C Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28650a	17	Classrooms beneath Carpet	Bge/Brn/Blk				
Texture/Description:	Solid/9"x9" FT	Chrysotile:	2%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	2 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28650b	17	Classrooms beneath Carpet	Black				
Texture/Description:	Solid/Mastic	Chrysotile:	3%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	3 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	97 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28651	18	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28652	19	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28653	20	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28654	21	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28655	22	Entrances to Classrooms Threshold	Black				
Texture/Description:	Solid/Vinyl	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

RE: Old Bethel ES - C Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28656	23	Entrances to Classrooms Threshold	Black
Texture/Description:	Solid/Vinyl	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 2%	Filler/Binder: 98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28657	24	Entrances to Classrooms Threshold	Black
Texture/Description:	Solid/Vinyl	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 2%	Filler/Binder: 98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28658	25	Interior Window	Cream
Texture/Description:	Solid/Glazing	Chrysotile: 2%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	2 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28659	26	Stopped Analysis	
Texture/Description:	/	Chrysotile:	Tremolite: Anthophyllite:
TOTAL ASBESTOS:		Amosite:	Actinolite: Crocidolite:
Cellulose:	Fiber Glass:	Others:	Filler/Binder:

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28660	27	Stopped Analysis	
Texture/Description:	/	Chrysotile:	Tremolite: Anthophyllite:
TOTAL ASBESTOS:		Amosite:	Actinolite: Crocidolite:
Cellulose:	Fiber Glass:	Others:	Filler/Binder:

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28661	28	All Int/Ext Doors	White
Texture/Description:	Solid/Insulation	Chrysotile: 6%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	9 %	Amosite: 3%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 91 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28662	29	Stopped Analysis	
Texture/Description:	/	Chrysotile:	Tremolite: Anthophyllite:
TOTAL ASBESTOS:		Amosite:	Actinolite: Crocidolite:
Cellulose:	Fiber Glass:	Others:	Filler/Binder:

RE: Old Bethel ES - C Bldg

PEC LAB #: CLIENT ID #: LOCATION: COLOR:
10WB-28663 30 Stopped Analysis

Texture/Description: /
TOTAL ASBESTOS: Chrysotile: Tremolite: Anthophyllite:
Amosite: Actinolite: Crocidolite:
Cellulose: Fiber Glass: Others: Filler/Binder:

PEC LAB #: CLIENT ID #: LOCATION: COLOR:
10WB-28664a 31 Vinyl Floor Areas of Classrooms Black

Texture/Description: Solid/4" Cove Base Board Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 % Amosite: 0% Actinolite: 0% Crocidolite: 0%
Cellulose: 0% Fiber Glass: 0% Others: 0% Filler/Binder: 100%

PEC LAB #: CLIENT ID #: LOCATION: COLOR:
10WB-28664b 31 Vinyl Floor Areas of Classrooms Brown

Texture/Description: Solid/Mastic Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 % Amosite: 0% Actinolite: 0% Crocidolite: 0%
Cellulose: 0% Fiber Glass: 0% Others: 2% Filler/Binder: 98 %

PEC LAB #: CLIENT ID #: LOCATION: COLOR:
10WB-28665a 32 Vinyl Floor Areas of Classrooms Black

Texture/Description: Solid/4" Cove Base Board Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 % Amosite: 0% Actinolite: 0% Crocidolite: 0%
Cellulose: 0% Fiber Glass: 0% Others: 0% Filler/Binder: 100%

PEC LAB #: CLIENT ID #: LOCATION: COLOR:
10WB-28665b 32 Vinyl Floor Areas of Classrooms Brown

Texture/Description: Solid/Mastic Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 % Amosite: 0% Actinolite: 0% Crocidolite: 0%
Cellulose: 0% Fiber Glass: 0% Others: 0% Filler/Binder: 100%

PEC LAB #: CLIENT ID #: LOCATION: COLOR:
10WB-28666a 33 Vinyl Floor Areas of Classrooms Black

Texture/Description: Solid/4" Cove Base Board Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 % Amosite: 0% Actinolite: 0% Crocidolite: 0%
Cellulose: 0% Fiber Glass: 0% Others: 0% Filler/Binder: 100%

PEC LAB #: CLIENT ID #: LOCATION: COLOR:
10WB-28666b 33 Vinyl Floor Areas of Classrooms Tan

Texture/Description: Solid/Mastic Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 % Amosite: 0% Actinolite: 0% Crocidolite: 0%
Cellulose: 0% Fiber Glass: 0% Others: 0% Filler/Binder: 100%

RE: Old Bethel ES - C Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28667a	34	Throughout	Beige				
Texture/Description:	Solid/Plaster	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28667b	34	Throughout	White				
Texture/Description:	Solid/Top Coat	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28668a	35	Throughout	Beige				
Texture/Description:	Solid/Plaster	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28668b	35	Throughout	White				
Texture/Description:	Solid/Top Coat	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28669a	36	Throughout	Beige				
Texture/Description:	Solid/Plaster	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28669b	36	Throughout	White				
Texture/Description:	Solid/Top Coat	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28670a	37	Throughout	Beige				
Texture/Description:	Solid/Plaster	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

RE: Old Bethel ES - C Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28670b	37	Throughout	White			
Texture/Description:	Solid/Top Coat		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 100%		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28671a	38	Throughout	Beige			
Texture/Description:	Solid/Plaster		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 100%		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28671b	38	Throughout	White			
Texture/Description:	Solid/Top Coat		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 100%		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28672a	39	Storage Areas off Classrooms	Brown			
Texture/Description:	Solid/12x12 FT		Chrysotile: 2%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	2 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 98 %		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28672b	39	Storage Areas off Classrooms	Black			
Texture/Description:	Solid/Mastic		Chrysotile: 2%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	2 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 98 %		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28673	40	Stopped Analysis				
Texture/Description:	/		Chrysotile:	Tremolite:	Anthophyllite:	
TOTAL ASBESTOS:			Amosite:	Actinolite:	Crocidolite:	
Cellulose:	Fiber Glass:		Others:	Filler/Binder:		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28674	41	Stopped Analysis				
Texture/Description:	/		Chrysotile:	Tremolite:	Anthophyllite:	
TOTAL ASBESTOS:			Amosite:	Actinolite:	Crocidolite:	
Cellulose:	Fiber Glass:		Others:	Filler/Binder:		

RE: Old Bethel ES - C Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28675a	42	Storage Areas off Classrooms	Black
Texture/Description:	Solid/12x12 FT	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28675b	42	Storage Areas off Classrooms	Yellow
Texture/Description:	Solid/Mastic	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28676a	43	Storage Areas off Classrooms	Black
Texture/Description:	Solid/12x12 FT	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28676b	43	Storage Areas off Classrooms	Yellow
Texture/Description:	Solid/Mastic	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28677a	44	Storage Areas off Classrooms	Black
Texture/Description:	Solid/12x12 FT	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28677b	44	Storage Areas off Classrooms	Yellow
Texture/Description:	Solid/Mastic	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28678a	45	Storage Areas off Classrooms	Beige
Texture/Description:	Solid/12x12 FT	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

RE: Old Bethel ES - C Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28678b	45	Storage Areas off Classrooms	Black/Yellow
Texture/Description:	Solid/Mastic	Chrysotile: 2%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	2 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28679a	46	Storage Areas off Classrooms	Beige
Texture/Description:	Solid/12x12 FT	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28679b	46	Storage Areas off Classrooms	Yellow/Black
Texture/Description:	Solid/Mastic	Chrysotile: 2%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	2 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28680a	47	Storage Areas off Classrooms	Beige
Texture/Description:	Solid/12x12 FT	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28680b	47	Storage Areas off Classrooms	Yellow/Black
Texture/Description:	Solid/Mastic	Chrysotile: 2%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	2 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28681	48	Classroom Carpets	Yellow
Texture/Description:	Solid/Adhesive	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28682	49	Classroom Carpets	Yellow
Texture/Description:	Solid/Adhesive	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

RE: Old Bethel ES - C Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28683	50	Classroom Carpets	Yellow
Texture/Description:	Solid/Adhesive	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28684	51	Classroom Carpets	Yellow
Texture/Description:	Solid/Adhesive	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28685	52	Classroom Carpets	Yellow
Texture/Description:	Solid/Adhesive	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28686	53	Roof	Black
Texture/Description:	Solid/Membrane	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 9%	Others: 0%	Filler/Binder: 91 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28687	54	Roof	Black
Texture/Description:	Fibrous/Membrane	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 75%	Fiber Glass: 5%	Others: 0%	Filler/Binder: 20 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28688	55	Roof	Black
Texture/Description:	Solid/Membrane	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 8%	Others: 0%	Filler/Binder: 92 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28689	56	Roof	Black
Texture/Description:	Solid/Flashing	Chrysotile: 10%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	10 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 5%	Others: 4%	Filler/Binder: 81 %

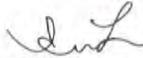
RE: Old Bethel ES - C Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:	
10WB-28690	57	Stopped Analysis		
Texture/Description: /		Chrysotile:	Tremolite:	Anthophyllite:
TOTAL ASBESTOS:		Amosite:	Actinolite:	Crocidolite:
Cellulose:	Fiber Glass:	Others:	Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:	
10WB-28691	58	Stopped Analysis		
Texture/Description: /		Chrysotile:	Tremolite:	Anthophyllite:
TOTAL ASBESTOS:		Amosite:	Actinolite:	Crocidolite:
Cellulose:	Fiber Glass:	Others:	Filler/Binder:	

Analytical Method: Polarized light microscopy using dispersion staining (EPA-600/M4-82-020). PLM should not be used to demonstrate the absence of asbestos in floor tiles. All samples will be held for sixty (60) days unless otherwise requested. This report relates only to items tested and makes no statement as to the contents of surrounding materials. Multi-layered material which have distinct and separable layers shall be reported separately. This report shall not be reproduced, except in full, without written permission. The results of this report should not be used as an endorsement for NVLAP or any other government agency.

Analyzed by: _____



Tina Long

Inspector: Chris Kelly
 License: 12487
 Date: 12/2/2010

Job Name: Old Bethel ES
 Job Number: 71107253
 Area: D Building

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable
1	12"x12" Grey and White Streaked Floor tile	Dining Room	1	D	2,500 ft ²	Non-Friable
2	12"x12" Grey and White Streaked Floor tile	Dining Room	1			
3	12"x12" Grey and White Streaked Floor tile	Dining Room	1			
4	12"x12" Grey and White Streaked Floor tile	Dining Room	1			
5	12"x12" Grey and White Streaked Floor tile	Dining Room	1			
6	Interior Window Frame Caulking	Throughout	1	SD	24 window frames	Non-Friable
7	Interior Window Frame Caulking	Throughout	1			
8	Interior Window Frame Caulking	Throughout	1			
9	Exterior Window Glazing	Throughout	1	SD	* same as #6-8	Friable
10	Exterior Window Glazing	Throughout	1			
11	Exterior Window Glazing	Throughout	1			
12	Plaster Skim Coat Ceilings	Kitchen Area	1	SD	1,250 ft ²	Friable
13	Plaster Skim Coat Ceilings	Kitchen Area	1			
14	Plaster Skim Coat Ceilings	Kitchen Area	1			
15	Plaster Skim Coat Ceilings	Kitchen Area	1			
16	Plaster Skim Coat Ceilings	Kitchen Area	1			
17	Exterior Window/Door Frame Caulking	Throughout	1	SD	6 door frames	Non-Friable
18	Exterior Window/Door Frame Caulking	Throughout	1			
19	Exterior Window/Door Frame Caulking	Throughout	1			
20	Insulation in Doors	All Doors	1	G	5 doors	Friable
21	Insulation in Doors	All Doors	1			
22	Insulation in Doors	All Doors	1			
23	4" Black Cove Base	Throughout	1	D	500 ft	Non-Friable
24	4" Black Cove Base	Throughout	1			
25	4" Black Cove Base	Throughout	1			

G = Good
 D = Damaged
 SD = Significantly Damaged

Asbestos Identification by Polarized Light Microscopy Analysis Report



NVLAP LAB CODE: 200718-0
 Attn: Russell Harrings
Terracon Consulting Engineers & Scientists
 2020-E Starita Road
 Charlotte, NC 28206

WV License #: LT000392
 VA License #: 333 000241

400D Prestige Park
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 25526
 Phone: 304-757-5204
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Received Date: 12/9/2010
 Analysis Date: 12/14/2010

PEC Project #:
 Client Project/PO #: 71107253

RE: Old Bethel ES - D Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28692a	1	Dining Room	Tan
Texture/Description: Solid/12x12 FT			
TOTAL ASBESTOS: 2 %			
Cellulose: 0%	Fiber Glass: 0%	Chrysotile: 2%	Tremolite: 0% Anthophyllite: 0%
		Amosite: 0%	Actinolite: 0% Crocidolite: 0%
		Others: 0%	Filler/Binder: 98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28692b	1	Dining Room	Black
Texture/Description: Solid/Mastic			
TOTAL ASBESTOS: 2 %			
Cellulose: 0%	Fiber Glass: 0%	Chrysotile: 2%	Tremolite: 0% Anthophyllite: 0%
		Amosite: 0%	Actinolite: 0% Crocidolite: 0%
		Others: 0%	Filler/Binder: 98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28693	2	Stopped Analysis	
Texture/Description: /			
TOTAL ASBESTOS:			
Cellulose:	Fiber Glass:	Chrysotile:	Tremolite: Anthophyllite:
		Amosite:	Actinolite: Crocidolite:
		Others:	Filler/Binder:

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28694	3	Stopped Analysis	
Texture/Description: /			
TOTAL ASBESTOS:			
Cellulose:	Fiber Glass:	Chrysotile:	Tremolite: Anthophyllite:
		Amosite:	Actinolite: Crocidolite:
		Others:	Filler/Binder:

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28695	4	Stopped Analysis	
Texture/Description: /			
TOTAL ASBESTOS:			
Cellulose:	Fiber Glass:	Chrysotile:	Tremolite: Anthophyllite:
		Amosite:	Actinolite: Crocidolite:
		Others:	Filler/Binder:

RE: Old Bethel ES - D Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28696	5	Stopped Analysis			
Texture/Description: /		Chrysotile:	Tremolite:	Anthophyllite:	
TOTAL ASBESTOS:		Amosite:	Actinolite:	Crocidolite:	
Cellulose:	Fiber Glass:	Others:	Filler/Binder:		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28697	6	Throughout Int	Cream		
Texture/Description: Solid/Caulking		Chrysotile: 3%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS: 3 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 97 %		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28698	7	Stopped Analysis			
Texture/Description: /		Chrysotile:	Tremolite:	Anthophyllite:	
TOTAL ASBESTOS:		Amosite:	Actinolite:	Crocidolite:	
Cellulose:	Fiber Glass:	Others:	Filler/Binder:		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28699	8	Stopped Analysis			
Texture/Description: /		Chrysotile:	Tremolite:	Anthophyllite:	
TOTAL ASBESTOS:		Amosite:	Actinolite:	Crocidolite:	
Cellulose:	Fiber Glass:	Others:	Filler/Binder:		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28700	9	Throughout Ext	Grey		
Texture/Description: Solid/Glazing		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS: 0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28701	10	Throughout Ext	Grey		
Texture/Description: Solid/Glazing		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS: 0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28702	11	Throughout Ext	Grey		
Texture/Description: Solid/Glazing		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS: 0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%		

RE: Old Bethel ES - D Bldg

PEC LAB #: 10WB-28703 **CLIENT ID #:** 12 **LOCATION:** Kitchen Area Ceiling **COLOR:** Cream
Texture/Description: Solid/Plaster Skim Coat Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 % Amosite: 0% Actinolite: 0% Crocidolite: 0%
Cellulose: 0% Fiber Glass: 0% Others: 0% Filler/Binder: 100%

PEC LAB #: 10WB-28704 **CLIENT ID #:** 13 **LOCATION:** Kitchen Area Ceiling **COLOR:** Cream
Texture/Description: Solid/Plaster Skim Coat Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 % Amosite: 0% Actinolite: 0% Crocidolite: 0%
Cellulose: 0% Fiber Glass: 0% Others: 0% Filler/Binder: 100%

PEC LAB #: 10WB-28705 **CLIENT ID #:** 14 **LOCATION:** Kitchen Area Ceiling **COLOR:** White
Texture/Description: Solid/Plaster Skim Coat Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 % Amosite: 0% Actinolite: 0% Crocidolite: 0%
Cellulose: 0% Fiber Glass: 0% Others: 0% Filler/Binder: 100%

PEC LAB #: 10WB-28706 **CLIENT ID #:** 15 **LOCATION:** Kitchen Area Ceiling **COLOR:** White
Texture/Description: Solid/Plaster Skim Coat Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 % Amosite: 0% Actinolite: 0% Crocidolite: 0%
Cellulose: 0% Fiber Glass: 0% Others: 0% Filler/Binder: 100%

PEC LAB #: 10WB-28707 **CLIENT ID #:** 16 **LOCATION:** Kitchen Area Ceiling **COLOR:** Cream
Texture/Description: Solid/Plaster Skim Coat Chrysotile: 0% Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 0 % Amosite: 0% Actinolite: 0% Crocidolite: 0%
Cellulose: 0% Fiber Glass: 0% Others: 0% Filler/Binder: 100%

PEC LAB #: 10WB-28708 **CLIENT ID #:** 17 **LOCATION:** Throughout Ext Window/Door **COLOR:** Beige
Texture/Description: Solid/Caulking Chrysotile: 3% Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS: 3 % Amosite: 0% Actinolite: 0% Crocidolite: 0%
Cellulose: 0% Fiber Glass: 0% Others: 0% Filler/Binder: 97 %

PEC LAB #: 10WB-28709 **CLIENT ID #:** 18 **LOCATION:** Stopped Analysis **COLOR:**
Texture/Description: / Chrysotile: Tremolite: Anthophyllite:
TOTAL ASBESTOS: Amosite: Actinolite: Crocidolite:
Cellulose: Fiber Glass: Others: Filler/Binder:

RE: Old Bethel ES - D Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28710	19	Stopped Analysis			
Texture/Description: /			Chrysotile:	Tremolite:	Anthophyllite:
TOTAL ASBESTOS:			Amosite:	Actinolite:	Crocidolite:
Cellulose:	Fiber Glass:	Others:	Filler/Binder:		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28711	20	All Doors	Beige		
Texture/Description: Solid/Insulation			Chrysotile: 3%	Tremolite: 0%	Anthophyllite: 0%
TOTAL ASBESTOS: 9 %			Amosite: 6%	Actinolite: 0%	Crocidolite: 0%
Cellulose: 3%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 88 %		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28712	21	Stopped Analysis			
Texture/Description: /			Chrysotile:	Tremolite:	Anthophyllite:
TOTAL ASBESTOS:			Amosite:	Actinolite:	Crocidolite:
Cellulose:	Fiber Glass:	Others:	Filler/Binder:		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28713	22	Stopped Analysis			
Texture/Description: /			Chrysotile:	Tremolite:	Anthophyllite:
TOTAL ASBESTOS:			Amosite:	Actinolite:	Crocidolite:
Cellulose:	Fiber Glass:	Others:	Filler/Binder:		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28714a	23		Black		
Texture/Description: Solid/4" Cove Base			Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%
TOTAL ASBESTOS: 0 %			Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28714b	23		Tan		
Texture/Description: Solid/Mastic			Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%
TOTAL ASBESTOS: 0 %			Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:		
10WB-28715a	24		Black		
Texture/Description: Solid/4" Cove Base			Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%
TOTAL ASBESTOS: 0 %			Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 0%	Others: 0%	Filler/Binder: 100%		

RE: Old Bethel ES - D Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28715b	24		Tan			
Texture/Description:	Solid/Mastic		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS: 0 %			Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%		Fiber Glass: 0%	Others: 0%		Filler/Binder: 100%	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28716a	25		Black			
Texture/Description:	Solid/4" Cove Base		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS: 0 %			Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%		Fiber Glass: 0%	Others: 0%		Filler/Binder: 100%	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28716b	25		Tan			
Texture/Description:	Solid/Mastic		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS: 0 %			Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%		Fiber Glass: 0%	Others: 0%		Filler/Binder: 100%	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28717	26	Roof	Black			
Texture/Description:	Solid/Flashing		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS: 0 %			Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 18%		Fiber Glass: 5%	Others: 0%		Filler/Binder: 77 %	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28718	27	Roof	Black			
Texture/Description:	Solid/Flashing		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS: 0 %			Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 30%		Fiber Glass: 0%	Others: 3%		Filler/Binder: 67 %	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28719	28	Roof	Black			
Texture/Description:	Solid/Flashing		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS: 0 %			Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 20%		Fiber Glass: 0%	Others: 3%		Filler/Binder: 77 %	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28720	29	Roof	Black			
Texture/Description:	Solid/Membrane		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS: 0 %			Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 35%		Fiber Glass: 0%	Others: 3%		Filler/Binder: 62 %	

RE: Old Bethel ES - D Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28721	30	Roof	Black
Texture/Description:	Solid/Membrane	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 40%	Fiber Glass: 0%	Others: 3%	Filler/Binder: 57 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28722	31	Roof	Black
Texture/Description:	Solid/Membrane	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 39%	Fiber Glass: 0%	Others: 3%	Filler/Binder: 58 %

Analytical Method: Polarized light microscopy using dispersion staining (EPA-600/M4-82-020). PLM should not be used to demonstrate the absence of asbestos in floor tiles. All samples will be held for sixty (60) days unless otherwise requested. This report relates only to items tested and makes no statement as to the contents of surrounding materials. Multi-layered material which have distinct and separable layers shall be reported separately. This report shall not be reproduced, except in full, without written permission. The results of this report should not be used as an endorsement for NVLAP or any other government agency.

Analyzed by: _____



Tina Long

Inspector: William Reid
 License: 11977
 Date: 12/3/2010

Job Name: Old Bethel ES
 Job Number: 71107253
 Area: E Building

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable
1	Interior Window Glazing	Throughout	1	SD	150 window	Friable
2	Interior Window Glazing	Throughout	1		frames	
3	Interior Window Glazing	Throughout	1			
4	Beam Covering in Garage Area	Garage/Kids Plus Throughout	1	D	500 ft	Friable
5	Beam Covering in Garage Area	Garage/Kids Plus Throughout	1			
6	Beam Covering in Garage Area	Garage/Kids Plus Throughout	1			
7	2'x4' Suspended Ceiling Tile	Kids Plus	1	D	2,200 ft ²	Friable
8	2'x4' Suspended Ceiling Tile	Kids Plus	1			
9	2'x4' Suspended Ceiling Tile	Kids Plus	1			
10	Interior window frame caulking	Throughout	1	D	* same as	Non-Friable
11	Interior window frame caulking	Throughout	1		#1-3	
12	Interior window frame caulking	Throughout	1			
13	12"x12" Beige with Light Brown Streaks Floor Tile	Throughout	1	D	3,000 ft ²	Non-Friable
14	12"x12" Beige with Light Brown Streaks Floor Tile	Throughout	1			
15	12"x12" Beige with Light Brown Streaks Floor Tile	Throughout	1			
16	12"x12" Brown with Grey Floor tile	Art Room Patch	1	D	200 ft ²	Non-Friable
17	12"x12" Brown with Grey Floor tile	Art Room Patch	1			
18	12"x12" Brown with Grey Floor tile	Art Room Patch	1			
19	4" Black Cove Baseboard	Classroom One	1	G	200 ft	Non-Friable
20	4" Black Cove Baseboard	Classroom One	1			
21	4" Black Cove Baseboard	Classroom One	1			
22	Carpet Adhesive	Classrooms	1	G	4,000 ft ²	Non-Friable
23	Carpet Adhesive	Classrooms	1			
24	Carpet Adhesive	Classrooms	1			
25	4" Blue Cove Baseboards	Classrooms Two and Three	1	G	500 ft	Non-Friable
26	4" Blue Cove Baseboards	Classrooms Two and Three	1			
27	4" Blue Cove Baseboards	Classrooms Two and Three	1			
28	9"x9" Black Floor tile Beneath Carpeting	Storage Between Classrooms	1	G	500 ft ²	Non-Friable
29	9"x9" Black Floor tile Beneath Carpeting	Storage Between Classrooms	1			
30	9"x9" Black Floor tile Beneath Carpeting	Storage Between Classrooms	1			
31	12"x12" Beige with Brown Streak Floor tile	Art Room Patch	1	G	50 ft ²	Non-Friable

G = Good
 D = Damaged
 SD = Significantly Damaged

Inspector: William Reid
 License: 11977
 Date: 12/3/2010

Job Name: Old Bethel ES
 Job Number: 71107253
 Area: E Building

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable
32	12"x12" Beige with Brown Streak Floor tile	Art Room Patch	1			
33	12"x12" Beige with Brown Streak Floor tile	Art Room Patch	1			
34	9"x9" Black Floor tile Beneath Carpeting	Classroom One	1	G	300 ft ²	Non-Friable
35	9"x9" Black Floor tile Beneath Carpeting	Classroom One	1			
36	9"x9" Black Floor tile Beneath Carpeting	Classroom One	1			
37	12"x12" Ceiling Tile	Throughout	1	D	1000 ft ²	Friable
38	12"x12" Ceiling Tile	Throughout	1			
39	12"x12" Ceiling Tile	Throughout	1			
40	Roof Membrane	Roof	R	G	8,900 ft ²	Non-Friable
41	Roof Membrane	Roof	R			
42	Roof Membrane	Roof	R			

G = Good
 D = Damaged
 SD = Significantly Damaged

Asbestos Identification by Polarized Light Microscopy Analysis Report



NVLAP LAB CODE: 200718-0
 Attn: Russell Harrings
Terracon Consulting Engineers & Scientists
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 Charlotte, NC 28206

WV License #: LT000392
 VA License #: 333 000241

Received Date: 12/9/2010
 Analysis Date: 12/15/2010

PEC Project #:
 Client Project/PO #: 71107253

RE: Old Bethel ES - E Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:		COLOR:
10WB-28723	1	Interior Window		Cream
Texture/Description: Solid/Glazing				
TOTAL ASBESTOS: 2 %				
Cellulose: 0%	Fiber Glass: 0%	Chrysotile: 2%	Tremolite: 0%	Anthophyllite: 0%
		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
		Others: 0%		Filler/Binder: 98 %

PEC LAB #:	CLIENT ID #:	LOCATION:		COLOR:
10WB-28724	2	Stopped Analysis		
Texture/Description: /				
TOTAL ASBESTOS:				
Cellulose:	Fiber Glass:	Chrysotile:	Tremolite:	Anthophyllite:
		Amosite:	Actinolite:	Crocidolite:
		Others:		Filler/Binder:

PEC LAB #:	CLIENT ID #:	LOCATION:		COLOR:
10WB-28725	3	Stopped Analysis		
Texture/Description: /				
TOTAL ASBESTOS:				
Cellulose:	Fiber Glass:	Chrysotile:	Tremolite:	Anthophyllite:
		Amosite:	Actinolite:	Crocidolite:
		Others:		Filler/Binder:

PEC LAB #:	CLIENT ID #:	LOCATION:		COLOR:
10WB-28726	4	Garage/Kids Plus Throughout		Cream
Texture/Description: Solid/Beam Covering				
TOTAL ASBESTOS: 0 %				
Cellulose: 0%	Fiber Glass: 0%	Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%
		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
		Others: 0%		Filler/Binder: 100%

PEC LAB #:	CLIENT ID #:	LOCATION:		COLOR:
10WB-28727	5	Garage/Kids Plus Throughout		Cream
Texture/Description: Solid/Beam Covering				
TOTAL ASBESTOS: 0 %				
Cellulose: 2%	Fiber Glass: 0%	Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%
		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
		Others: 0%		Filler/Binder: 98 %

RE: Old Bethel ES - E Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28728	6	Garage/Kids Plus Throughout	White				
Texture/Description:	Solid/Beam Covering	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	2%	Filler/Binder:	98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28729	7	Kids Plus	Tan/White				
Texture/Description:	Solid/2x4 Ceiling Tile	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	27%	Fiber Glass:	8%	Others:	0%	Filler/Binder:	65 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28730	8	Kids Plus	Tan/White				
Texture/Description:	Solid/2x4 Ceiling Tile	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	26%	Fiber Glass:	10%	Others:	0%	Filler/Binder:	64 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28731	9	Kids Plus	Tan/White				
Texture/Description:	Solid/2x4 Ceiling Tile	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	26%	Fiber Glass:	10%	Others:	0%	Filler/Binder:	64 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28732	10	Throughout Interior Window Frame	Brown				
Texture/Description:	Solid/Caulking	Chrysotile:	3%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	3 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	97 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28733	11	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28734	12	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

RE: Old Bethel ES - E Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28735a	13	Throughout	Tan			
Texture/Description:	Solid/12x12 FT		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 100%		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28735b	13	Throughout	Black			
Texture/Description:	Solid/Mastic		Chrysotile: 4%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	4 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 96 %		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28736a	14	Throughout	Tan			
Texture/Description:	Solid/12x12 FT		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 100%		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28736b	14	Stopped Analysis				
Texture/Description:	/		Chrysotile:	Tremolite:	Anthophyllite:	
TOTAL ASBESTOS:			Amosite:	Actinolite:	Crocidolite:	
Cellulose:	Fiber Glass:		Others:	Filler/Binder:		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28737a	15	Throughout	Tan			
Texture/Description:	Solid/12x12 FT		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 100%		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28737b	15	Stopped Analysis				
Texture/Description:	/		Chrysotile:	Tremolite:	Anthophyllite:	
TOTAL ASBESTOS:			Amosite:	Actinolite:	Crocidolite:	
Cellulose:	Fiber Glass:		Others:	Filler/Binder:		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28738a	16	Art Room Patch	Brown			
Texture/Description:	Solid/12x12 FT		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 100%		

RE: Old Bethel ES - E Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28738b	16	Art Room Patch	Black				
Texture/Description:	Solid/Mastic	Chrysotile:	2%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	2 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28739a	17	Art Room Patch	Brown				
Texture/Description:	Solid/12x12 FT	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28739b	17	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28740a	18	Art Room Patch	Brown				
Texture/Description:	Solid/12x12 FT	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28740b	18	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28741a	19	Classroom 1	Black				
Texture/Description:	Solid/4" Cove Base Board	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28741b	19	Classroom 1	Yellow				
Texture/Description:	Solid/Mastic	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

RE: Old Bethel ES - E Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28742a	20	Classroom 1	Black				
Texture/Description:	Solid/4" Cove Base Board	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28742b	20	Classroom 1	Yellow				
Texture/Description:	Solid/Mastic	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28743a	21	Classroom 1	Black				
Texture/Description:	Solid/4" Cove Base Board	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28743b	21	Classroom 1	Yellow				
Texture/Description:	Solid/Mastic	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	100%

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28744	22	Classrooms Carpet	Black/Yellow				
Texture/Description:	Solid/Adhesive	Chrysotile:	4%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	4 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	96 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28745	23	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28746	24	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

RE: Old Bethel ES - E Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28747	25	Classroom 2 & 3	Yellow				
Texture/Description:	Solid/4" Cove Base Board	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	2%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28748	26	Classroom 2 & 3	Yellow				
Texture/Description:	Solid/4" Cove Base Board	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	2%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28749	27	Classroom 2 & 3	Yellow				
Texture/Description:	Solid/4" Cove Base Board	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	2%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28750a	28	Storage between Classrooms	Black				
Texture/Description:	Solid/9x9 FT	Chrysotile:	4%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	4 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	96 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28750b	28	Storage between Classrooms	Black				
Texture/Description:	Solid/Mastic	Chrysotile:	2%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	2 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28751	29	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28752	30	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

RE: Old Bethel ES - E Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28753a	31	Art Room Patch	Beige/Brown			
Texture/Description:	Solid/12x12 FT		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 100%		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28753b	31	Art Room Patch	Black			
Texture/Description:	Solid/Mastic		Chrysotile: 3%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	3 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 97 %		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28754a	32	Art Room Patch	Beige/Brown			
Texture/Description:	Solid/12x12 FT		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 100%		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28754b	32	Stopped Analysis				
Texture/Description:	/		Chrysotile:	Tremolite:	Anthophyllite:	
TOTAL ASBESTOS:			Amosite:	Actinolite:	Crocidolite:	
Cellulose:	Fiber Glass:		Others:	Filler/Binder:		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28755a	33	Art Room Patch	Beige/Brown			
Texture/Description:	Solid/12x12 FT		Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	0 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 100%		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28755b	33	Stopped Analysis				
Texture/Description:	/		Chrysotile:	Tremolite:	Anthophyllite:	
TOTAL ASBESTOS:			Amosite:	Actinolite:	Crocidolite:	
Cellulose:	Fiber Glass:		Others:	Filler/Binder:		

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:			
10WB-28756a	34	Classroom 1	Black			
Texture/Description:	Solid/9x9 FT		Chrysotile: 4%	Tremolite: 0%	Anthophyllite: 0%	
TOTAL ASBESTOS:	4 %		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%	
Cellulose: 0%	Fiber Glass: 0%		Others: 0%	Filler/Binder: 96 %		

RE: Old Bethel ES - E Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28756b	34	Classroom 1	Black				
Texture/Description:	Solid/Mastic	Chrysotile:	2%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	2 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	98 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28757	35	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28758	36	Stopped Analysis					
Texture/Description:	/	Chrysotile:		Tremolite:		Anthophyllite:	
TOTAL ASBESTOS:		Amosite:		Actinolite:		Crocidolite:	
Cellulose:		Fiber Glass:		Others:		Filler/Binder:	

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28759	37		Brown/White				
Texture/Description:	Fibrous/12x12 Ceiling Tile	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	95%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	5 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28760	38		Brown/White				
Texture/Description:	Fibrous/12x12 Ceiling Tile	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	96%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	4 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28761	39		Brown/White				
Texture/Description:	Fibrous/12x12 Ceiling Tile	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	95%	Fiber Glass:	0%	Others:	0%	Filler/Binder:	5 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:				
10WB-28762	40	Roof	Black				
Texture/Description:	Solid/Membrane	Chrysotile:	0%	Tremolite:	0%	Anthophyllite:	0%
TOTAL ASBESTOS:	0 %	Amosite:	0%	Actinolite:	0%	Crocidolite:	0%
Cellulose:	0%	Fiber Glass:	11%	Others:	0%	Filler/Binder:	89 %

RE: Old Bethel ES - E Bldg

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28763	41	Roof	Black
Texture/Description:	Solid/Membrane	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 12%	Others: 0%	Filler/Binder: 88 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28764	42	Roof	Black
Texture/Description:	Solid/Membrane	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 12%	Others: 0%	Filler/Binder: 88 %

Analytical Method: Polarized light microscopy using dispersion staining (EPA-600/M4-82-020). PLM should not be used to demonstrate the absence of asbestos in floor tiles. All samples will be held for sixty (60) days unless otherwise requested. This report relates only to items tested and makes no statement as to the contents of surrounding materials. Multi-layered material which have distinct and separable layers shall be reported separately. This report shall not be reproduced, except in full, without written permission. The results of this report should not be used as an endorsement for NVLAP or any other government agency.

Analyzed by: Littia C. Mann

Littia Mann

Inspector: Russell Harrings
 License: 12222
 Date: 11/29/2010

Job Name: Old Bethel ES
 Job Number: 71107253
 Area: Exterior

Sample No.	Homogeneous Material Description	Sample Location	Floor	Condition	Quantity	Friable/ Non-Friable
1-1	Grey / Green Shingles	South Dug Out, East Ball Field	Ext	G	240 ft ²	Non-Friable
1-2	Grey / Green Shingles	East Dug Out, East Ball Field	Ext			
2-1	Grey / Black Shingles	South West Field, North Dug Out	Ext	G	240 ft ²	Non-Friable
2-2	Grey / Black Shingles	South West Field, East Dug Out	Ext			
3-1	Black / Brown Shingles	South West Field, Press Box	Ext	G	50 ft ²	Non-Friable
3-2	Black / Brown Shingles	South West Field, Press Box	Ext			
4-1	Dark Grey Shingles	Concession/Restrooms	Ext	G	700 ft ²	Non-Friable
4-2	Dark Grey Shingles	Concession/Restrooms	Ext			
4-3	Dark Grey Shingles	Concession/Restrooms	Ext			
5-1	Green / Brown Shingles	South East Field, North Stands	Ext	G	500 ft ²	Non-Friable
5-2	Green / Brown Shingles	South East Field, North Dugout	Ext			
5-3	Green / Brown Shingles	South East Field, West Stands	Ext			
5-4	Green / Brown Shingles	South East Field, West Dugout	Ext			
6-1	Green / Brown Shingles	South East Field, Press Box	Ext	G	50 ft ²	Non-Friable
6-2	Green / Brown Shingles	South East Field, Press Box	Ext			

G = Good
 D = Damaged
 SD = Significantly Damaged

Asbestos Identification by Polarized Light Microscopy Analysis Report



NVLAP LAB CODE: 200718-0
 Attn: Russell Harrings
 Terracon Consulting Engineers & Scientists
 2020-E Starita Road
 Charlotte, NC 28206

WV License #: LT000392
 VA License #: 333 000241

Received Date: 12/9/2010
 Analysis Date: 12/15/2010

PEC Project #:
 Client Project/PO #: 71107253

RE: Old Bethel ES - Exterior

PEC LAB #:	CLIENT ID #:	LOCATION:		COLOR:
10WB-28528	1-1	South Dug Out East Ball Field		Black/Grey
Texture/Description: Solid/Shingle				
TOTAL ASBESTOS: 0 %				
Cellulose: 0%	Fiber Glass: 9%	Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%
		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
		Others: 0%		Filler/Binder: 91 %

PEC LAB #:	CLIENT ID #:	LOCATION:		COLOR:
10WB-28529	1-2	East Dug Out East Ball Field		Black/Grey
Texture/Description: Solid/Shingle				
TOTAL ASBESTOS: 0 %				
Cellulose: 0%	Fiber Glass: 9%	Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%
		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
		Others: 0%		Filler/Binder: 91 %

PEC LAB #:	CLIENT ID #:	LOCATION:		COLOR:
10WB-28530	2-1	SW Ball Field, North Dug Out		Black/Grey
Texture/Description: Solid/Shingle				
TOTAL ASBESTOS: 0 %				
Cellulose: 0%	Fiber Glass: 8%	Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%
		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
		Others: 0%		Filler/Binder: 92 %

PEC LAB #:	CLIENT ID #:	LOCATION:		COLOR:
10WB-28531	2-2	SW Ball Field, East Dug Out		Black/Grey
Texture/Description: Solid/Shingle				
TOTAL ASBESTOS: 0 %				
Cellulose: 0%	Fiber Glass: 8%	Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%
		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
		Others: 0%		Filler/Binder: 92 %

PEC LAB #:	CLIENT ID #:	LOCATION:		COLOR:
10WB-28532	3-1	SW Ball Field, Press Box		Black/Grey
Texture/Description: Solid/Shingle				
TOTAL ASBESTOS: 0 %				
Cellulose: 0%	Fiber Glass: 9%	Chrysotile: 0%	Tremolite: 0%	Anthophyllite: 0%
		Amosite: 0%	Actinolite: 0%	Crocidolite: 0%
		Others: 0%		Filler/Binder: 91 %

RE: Old Bethel ES - Exterior

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28533	3-2	SW Ball Field, Press Box	Black/Grey
Texture/Description:	Solid/Shingle	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 9%	Others: 0%	Filler/Binder: 91 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28534	4-1	Concessions/Restrooms	Black/Grey
Texture/Description:	Solid/Shingle	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 10%	Others: 0%	Filler/Binder: 90 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28535	4-2	Concessions/Restrooms	Black/Grey
Texture/Description:	Solid/Shingle	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 9%	Others: 0%	Filler/Binder: 91 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28536	4-3	Concessions/Restrooms	Black/Grey
Texture/Description:	Solid/Shingle	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 8%	Others: 0%	Filler/Binder: 92 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28537	5-1	SE Ball Field N Stands	Black/Grey
Texture/Description:	Solid/Shingle	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 8%	Others: 0%	Filler/Binder: 92 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28538	5-2	SE Ball Field N Dug Out	Black/Grey
Texture/Description:	Solid/Shingle	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 9%	Others: 0%	Filler/Binder: 91 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28539	5-3	SE Ball Field W Stands	Black/Grey
Texture/Description:	Solid/Shingle	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 9%	Others: 0%	Filler/Binder: 91 %

RE: Old Bethel ES - Exterior

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28540	5-4	SE Ball Field W Dug Out	Black/Grey
Texture/Description:	Solid/Shingle	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 10%	Others: 0%	Filler/Binder: 90 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28541	6-1	SE Ball Field Press Box	Black/Grey
Texture/Description:	Solid/Shingle	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 9%	Others: 0%	Filler/Binder: 91 %

PEC LAB #:	CLIENT ID #:	LOCATION:	COLOR:
10WB-28542	6-2	SE Ball Field Press Box	Black/Grey
Texture/Description:	Solid/Shingle	Chrysotile: 0%	Tremolite: 0% Anthophyllite: 0%
TOTAL ASBESTOS:	0 %	Amosite: 0%	Actinolite: 0% Crocidolite: 0%
Cellulose: 0%	Fiber Glass: 9%	Others: 0%	Filler/Binder: 91 %

Analytical Method: Polarized light microscopy using dispersion staining (EPA-600/M4-82-020). PLM should not be used to demonstrate the absence of asbestos in floor tiles. All samples will be held for sixty (60) days unless otherwise requested. This report relates only to items tested and makes no statement as to the contents of surrounding materials. Multi-layered material which have distinct and separable layers shall be reported separately. This report shall not be reproduced, except in full, without written permission. The results of this report should not be used as an endorsement for NVLAP or any other government agency.

Analyzed by:  _____
Tina Long

APPENDIX D

OPINION OF ASBESTOS ABATEMENT COST Old Bethel Elementary School 2240 Highway 24/27 Midland, North Carolina

The regulated asbestos-containing materials in the subject structures must be removed prior to demolition in accordance with an asbestos abatement specification (Project Design) prepared by a State of North Carolina accredited Project Designer. Notification of the State of North Carolina NESHAP program coordinator will be required at least 10 days prior to demolition. Terracon is not an asbestos abatement contractor, and this opinion of removal costs is based on our recent experience with similar asbestos abatement projects in the State of North Carolina. Based on our experience, we estimate the abatement cost as follows:

BUILDING	MATERIAL	ESTIMATED QUANTITY	UNIT RATES	ESTIMATED TOTAL COST
Building A	Flooring	21,000 ft ²	\$3 / ft ²	\$63,000
	Black mastic dots	4,000 ft ²	\$2.50 / ft ²	\$10,000
	Roofing	5,900 ft ²	\$3 / ft ²	\$17,700
	Pipe insulation	1,000 ft	\$12 / ft	\$12,000
Building B	Flooring	600 ft ²	\$3 / ft ²	\$1,800
	Pipe insulation	200 ft	\$12 / ft	\$2,400
	Tank insulation	300 ft ²	\$15 / ft ²	\$4,500
Building C	Windows	70 frames	\$100 / each	\$7,000
	Exterior door frames	3 frames	\$150 / each	\$450
	Flooring	5,500 ft ²	\$3 / ft ²	\$16,500
	Interior doors	22 doors	\$150 / each	\$3,300
	Roof flashing	500 ft ²	\$3 / ft ²	\$1,500
Building D	Flooring	2,500 ft ²	\$3 / ft ²	\$7,500
	Windows	24 frames	\$100 / each	\$2,400
	Exterior Door Frames	6 frames	\$150 / each	\$900
	Interior doors	5 doors	\$150 / each	\$750
Building E	Windows	150 frames	\$100 / each	\$15,000
	Flooring	8,050 ft ²	\$3 / ft ²	\$24,150

The total estimated abatement cost is **approximately \$190,850**.

Additional expense will be incurred in abatement specification development and abatement monitoring services. This opinion of asbestos abatement costs is based on the following assumptions: 1) the abatement contractor will have unlimited access to the building to perform the work; 2) the contractor will have to provide their own water and electrical power for the project; 3) the contractor will mobilize personnel and equipment to the project site only once, and complete the ACM removal within normal 8-hour work shifts. Client should consider stating these assumptions in a solicitation for competitive bids from appropriately licensed/accredited asbestos abatement contractors.

Lead Survey Report

Old Bethel Elementary School

Midland, North Carolina

November 29, 2010

Terracon Project No. 71107253



Prepared for:

Cabarrus County General Services
Concord, North Carolina

Prepared by:

Terracon Consultants, Inc.
Charlotte, North Carolina

Offices Nationwide
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Terracon

Geotechnical ■ Environmental ■ Construction Materials ■ Facilities



November 29, 2010

Cabarrus County General Services
242 General Services Drive
PO Box 707
Concord, North Carolina 28026

Attn: Mr. Kyle Bilafer
P: [704] 920 3201
F: [704] 920 3203

Re: Lead Survey Report
Old Bethel Elementary School
Midland, North Carolina
Terracon Project No. 71107255

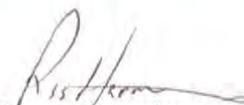
Dear Mr. Bilafer:

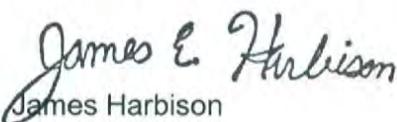
The purpose of this report is to present the results of a lead survey performed between November 29, 2010 and December 6, 2010 at the above referenced Old Bethel Elementary School in Midland, North Carolina. This survey was conducted in general accordance with our proposal dated November 17, 2010. We understand that this survey was requested due to the planned demolition of the structures at the site.

Lead was identified above detectable limits in paint samples collected from the site. Please refer to the attached report for details.

Terracon appreciates the opportunity to provide this service to Cabarrus County General Services. If you have any questions regarding this report, or if you need assistance with project oversight and sampling during demolition, please contact the undersigned at [704] 509 1777.

Sincerely,
Terracon Consultants, Inc.


Russell Harrings
Project Manager
Industrial Hygiene Services


James Harbison
Senior Associate
Manager, EH&S

Terracon Consultants, Inc. 2020-E Starita Road Charlotte, North Carolina 28206
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Geotechnical



Environmental



Construction Materials



Facilities

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LEAD SURVEY REPORT
Old Bethel Elementary School
Midland, North Carolina
Terracon Project No. 71107255
November 29, 2010

1.0 INTRODUCTION

Terracon conducted a lead survey of the Old Bethel Elementary School located at 2240 Highway 24/27 in Midland, North Carolina. The survey was conducted between November 29, 2010 and December 6, 2010 by Terracon's inspectors in general accordance with Terracon Proposal No. 71107A129 dated November 17, 2010. Interior and exterior building components were surveyed and unique combinations of suspect lead paint (LP) were visually identified and documented. Although reasonable effort was made to survey accessible suspect materials, additional suspect but un-sampled materials could be located in walls, in voids, below the ground or in other concealed areas. Suspect LP samples were collected from representative locations of suspect LP. Samples were delivered to an accredited laboratory for analysis by flame atomic absorption (FAA).

1.1 Project Objective

We understand this lead survey was requested due to the planned demolition of the structures at the site. During demolition activities, workers must be protected from exposure to lead. OSHA regulates occupational exposure to lead in the Lead in Construction Standard, 29 CFR 1926.62.

2.0 BUILDING DESCRIPTION

The Old Bethel Elementary School site includes several building and outbuildings. Building A is located closest to the highway. It was originally constructed in 1927 and reported to have two additions. The building is approximately 30,000 square feet and is two stories with a partial, unfinished basement and a crawlspace. The structure is wood frame construction with brick exterior and a flat membrane roof. Interior finishes include plaster and wood panel walls, suspended ceiling tiles and wood floors with coverings of floor tile. The heating system was a boiler and radiator system, but the original boiler has been removed. The cooling system consists of several closet mounted units connected to roof-mounted condensing units.

Building B and Building C were constructed as one building, but functionally treated as separate buildings. Building B/C is located at the northeast corner of the property. The building was originally constructed in 1957. Building B is the gymnasium and Building C is a classroom building. Building B is approximately 9400 square feet and single story. The gymnasium is comprised of the gymnasium, a boys locker room, a girls locker room and a lobby. The walls

Lead Survey Report

Old Bethel Elementary School ■ Midland, North Carolina
November 29, 2010 ■ Terracon Project No. 71107253



are painted block. The ceilings are open to the roof deck in the gymnasium and plaster in the lobby and locker rooms. The floors are wood in the gymnasium, ceramic tile in the locker rooms and floor tile in the lobby. The roof is a flat membrane roof. The heating system is a steam radiator system. There is no cooling system for the building.

Building C is approximately 9000 square feet and single story. The walls are plaster and wood panel. The floors are concrete with coverings of floor tile and carpet. The ceilings are plaster with spray-applied ceiling texture. The roof is a flat membrane roof. The heating system is a steam radiator system. The cooling system consists of individual units below the windows connected to roof-mounted condensing units.

Building D is located behind Building A and abuts Building E. Building D was the kitchen and cafeteria building. The building is approximately 6100 square feet and single story. The walls are painted block and wood panels. The floors are concrete with coverings of floor tile and ceramic tile. The ceilings are suspended ceiling tile in the cafeteria and plaster in the kitchen. The roof is a flat membrane roof. The heating system is a steam radiator system. The cooling system consists of individual units in the ceiling connected to roof-mounted condensing units.

Building E is located at the back of the property and abuts Building D. Building E was the agricultural, vocational and shop building. The building is approximately 8900 square feet and single story. The walls are painted block and plaster. The floors are concrete with coverings of floor tile and ceramic tile. The ceilings are suspended ceiling tile. The roof is a flat membrane roof. The heating system is a steam radiator system, but the original boiler has been removed. The cooling system consists of individual, ducted air units.

Several outbuildings associated with three baseball fields are also located on the property. The outbuildings include a concessions stand with restrooms, eight dugout and spectator structures and three press boxes. The concessions stand is block and concrete construction with a sloped asphalt shingle roof. The dugout and spectator structures are open wood construction with sloped asphalt shingle roofs. The press boxes are wood construction with vinyl siding and sloped asphalt shingle roofs.

3.0 FIELD ACTIVITIES

The survey was conducted by Terracon's inspectors Mr. Russell Harrings, Mr. William Reid and Mr. Christopher Kelley. Suspect LP samples were collected from representative locations of suspect LP. A summary of survey activities is provided below.

3.1 Visual Assessment

Our survey activities began with visual observation of areas to identify apparent unique combinations of suspect lead paint (LP). A unique combination of paint is based on paint color, building component and substrate. Assessment was conducted throughout visually accessible interior and exterior areas.

3.2 Physical Assessment

A visual assessment of each unique combination of suspect LP was conducted to assess the condition of the paint. The condition of the paint was documented to be intact, peeling, flaking, chipping or cracking.

3.3 Sample Collection

Based on results of the visual observation, bulk samples of suspect LP were collected. One random sample of suspect LP was collected from each unique combination. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker.

Seven (7) samples of suspect LP were collected from building A.
Eight (8) samples of suspect LP were collected from building B.
Thirteen (13) samples of suspect LP were collected from building C.
Four (4) samples of suspect LP were collected from building D.
Seven (7) samples of suspect LP were collected from building E.
Fourteen (14) samples of suspect LP were collected from the exterior outbuildings.

3.4 Sample Analysis

Samples were submitted under chain of custody to EMSL Analytical, Inc. (EMSL) located in Kernersville, North Carolina for analysis. Suspect LP samples were analyzed by Flame Atomic Absorption according to Environmental Protection Agency (EPA) Method SW 846 3050B/700B. EMSL is accredited under the Environmental Lead Laboratory Accreditation Program (ELLAP) (Accreditation No. 102564).

4.0 REGULATORY OVERVIEW

Work that would disturb lead paint needs to be performed within compliance of OSHA regulations 29 CFR 1926.62. Terracon recommends personnel air sampling of workers that perform work on surfaces with lead paint. Personnel sampling should be performed in compliance with OSHA regulations.

5.0 FINDINGS AND RECOMMENDATIONS

Laboratory analysis confirmed the presence of lead above detectable limits in samples collected from the site. A summary of the color and location of confirmed LP are presented in Appendix A. Laboratory analytical reports are included in Appendix B.

Work that would disturb the lead paint would need to be performed within compliance of OSHA regulations 29 CFR 1926.62.

Terracon recommends personnel air sampling of workers that perform work on surfaces with lead paint. Personnel sampling should be performed in compliance with OSHA regulations.

6.0 GENERAL COMMENTS

This lead survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions and recommendations expressed in this report are based on conditions observed during our survey of the structures. The information contained in this report is relevant to the dates on which this survey was performed, and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by Cabarrus County General Services for specific application to their project as discussed. This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories or other third parties supplying information which may have been used in the preparation of this report. No warranty, express or implied is made.

APPENDIX A

CONFIRMED LEAD PAINT Old Bethel Elementary School 2240 Highway 24/27 Midland, North Carolina

Building A

SAMPLE NO.	COLOR	LOCATION / COMPONENT	LEAD CONCENTRATION (% WEIGHT)
L-1	Beige	Room 200	0.069
L-2	Yellow	Room 200	0.097
L-4	Green	Room 201	0.25
L-5	Light blue	Auditorium	0.060
L-7	Black	Room 200	0.32

Building B

SAMPLE NO.	COLOR	SUBSTRATE / COMPONENT	LEAD CONCENTRATION (% WEIGHT)
L-1	White	Front lobby	0.30
L-2	Light green	Basketball court area	0.22
L-3	Black	Door frame	0.20
L-4	Green	Locker rooms	0.28
L-5	Purple	Entrance door	0.92
L-6	Grey	Ceiling beams	0.63
L-7	Light green	Ceiling beams	0.62
L-8	Dark green	Ceiling beams	0.57

Building C

SAMPLE NO.	COLOR	LOCATION / COMPONENT	LEAD CONCENTRATION (% WEIGHT)
1	Purple	Doors and lockers	0.074
2	Off-white	Exterior trim paint (doors, windows)	1.4
3	White	Exterior breezeway	1.2
11	Light green	Maintenance closet walls	0.25
13	white	Exterior window frames	0.52

Building D

SAMPLE NO.	COLOR	LOCATION / COMPONENT	LEAD CONCENTRATION (% WEIGHT)
1	Off-white	Dining room	0.017
2	White	Kitchen walls / ceilings	0.16
3	White	Exterior framing	0.85
4	Purple	Exterior doors	0.52

Building E

SAMPLE NO.	COLOR	LOCATION / COMPONENT	LEAD CONCENTRATION (% WEIGHT)
1	Light blue	Interior	0.077
2	Black	Trim paint	0.090
3	Off-white	Walls throughout	0.015
4	Dark grey	Door frame trim	0.16
5	Green	Storage door	0.016
6	Brown	Janitor closet	0.047

Exterior Outbuildings

SAMPLE NO.	COLOR	LOCATION / COMPONENT	LEAD CONCENTRATION (% WEIGHT)
6	Grey	Concessions / restrooms, exterior soffit	0.011
8	White	Concessions / restrooms, wood overhang	0.014

APPENDIX B

LEAD LABORATORY ANALYTICAL REPORTS

Inspector: William Reid
 Date: 11/30/2010

Job Name: Old Bethel ES
 Job Number: 71107253
 Area: Building A

Sample No.	Color	Substate	Component	Sample Location	Floor	Condition
L1	Beige			Room 200	2	Flaking
L2	Yellow			Room 200	2	Intact
L3	Grey			Second Floor Corridor	2	Intact
L4	Green			Room 201	2	Intact
L5	Light Blue			Auditorium	2	Intact
L6	White			Work Room	2	Intact
L7	Black			Room 200	2	Intact



EMSL Analytical, Inc.

706 Gralin Street, Kernersville, NC 27284

Phone: (336) 992-1025 Fax: (336) 992-4175 Email: greensborolab@emsl.com

Attn: **Russell Harrings**
Terracon Consultants, Inc.
2020 Starita Rd.
Suite E
Charlotte, NC 28206

Customer ID: TITA52
Customer PO:
Received: 12/09/10 10:15 AM
EMSL Order: 021008226

Fax: (704) 509-1888 Phone: (704) 509-1777
Project: **Old Bethel/71107253 Building A**

EMSL Proj:

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B*/7000B)

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
L-1	0001		12/15/2010	0.069 % wt
L-2	0002		12/15/2010	0.097 % wt
L-3	0003		12/15/2010	<0.010 % wt
L-4	0004		12/15/2010	0.25 % wt
L-5	0005		12/15/2010	0.060 % wt
L-6	0006		12/15/2010	<0.011 % wt
L-7	0007		12/15/2010	0.032 % wt

Initial report from

James Cole, Laboratory Manager
or other approved signatory

Reporting limit is 0.01 % wt. The QC data associated with these results included in this report meet the method QC requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. * slight modifications to methods applied.

Samples analyzed by EMSL Analytical, Inc. 706 Gralin Street, Kernersville NC AIHA-LAP, LLC--ELLAP Lab 102564

Inspector: William Reid
 Date: 12/2/2010

Job Name: Old Bethel ES
 Job Number: 71107253
 Area: Building B

Sample No.	Color	Substate	Component	Sample Location	Floor	Condition
L1	White			Front Lobby		Flaking
L2	Light Green			Basketball Court Area		Good
L3	Black			Door Frame		Good
L4	Green			Locker Rooms		Good
L5	Purple			Entrance Door		Flaking
L6	Grey	metal		Beam		Good
L7	Light Green	metal		Beam		Good
L8	Dark Green	metal		Beam		Good



EMSL Analytical, Inc.

706 Gralin Street, Kernersville, NC 27284

Phone: (336) 992-1025 Fax: (336) 992-4175 Email: greensborolab@emsl.com

Attn: **Russell Harrings**
Terracon Consultants, Inc.
2020 Starita Rd.
Suite E
Charlotte, NC 28206

Customer ID: TITA52
Customer PO:
Received: 12/09/10 10:15 AM
EMSL Order: 021008224

Fax: (704) 509-1888 Phone: (704) 509-1777
Project: Old Bethel/ 71107253 B Building

EMSL Proj:

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B*/7000B)

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
L-1	0001		12/14/2010	0.30 % wt
L-2	0002		12/14/2010	0.22 % wt
L-3	0003		12/14/2010	0.20 % wt
L-4	0004		12/14/2010	0.28 % wt
L-5	0005		12/14/2010	0.92 % wt
L-6	0006		12/14/2010	0.63 % wt
L-7	0007		12/14/2010	0.62 % wt
L-8	0008		12/14/2010	0.57 % wt

Initial report from

James Cole

James Cole, Laboratory Manager
or other approved signatory

Reporting limit is 0.01 % wt. The QC data associated with these results included in this report meet the method QC requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. * slight modifications to methods applied.
Samples analyzed by EMSL Analytical, Inc. 706 Gralin Street, Kernersville NC AIHA-LAP, LLC--ELLAP Lab 102564

Inspector: Chris Kelly
 Date: 12/1/2010

Job Name: Old Bethel ES
 Job Number: 71107253
 Area: Building C

Sample No.	Color	Substate	Component	Sample Location	Floor	Condition
L1	Purple	Wood / Metal	Door/Locker Paint	Breezeway/Lockers Exterior	Ext	Good
L2	Off White	Metal	Door/Window	Trim Paint/Breezeway	Ext	Poor
L3	White	Metal	Breezeway Cover	Breezeway Support / Cover	Ext	Fair
L4	Yellow	CMU / Wood	Interior Wall Paint	Throughout	Int	Good
L5	Black	CMU	Bottom of Walls	Throughout	Int	Good
L6	Light Blue	Wood	Door/Trim	Classroom One	Int	Good
L7	Light Green	Cork	Cork Board	Classroom Three	Int	Good
L8	Blue	Wood	Door/Trim	Classroom Two	Int	Good
L9	White	Wood	Cabinets	Classroom Five	Int	Good
L10	White	Metal	Door/Trim	Doors to Hallway to Gym	Int	Good
L11	Light Green	CMU / Metal	Walls	Closet Walls Maintenance Closet	Int	Good
L12	Yellow	Metal	Locker paint	Hallway	Int	Good
L13	White	Metal	Window Frame	Exterior Windows	Ext	Poor



EMSL Analytical, Inc.

706 Gralin Street, Kernersville, NC 27284

Phone: (336) 992-1025 Fax: (336) 892-4175 Email: greensborolab@emsl.com

Attn: **Russell Harrings**
Terracon Consultants, Inc.
2020 Starita Rd.
Suite E
Charlotte, NC 28206

Customer ID: TITA52
Customer PO:
Received: 12/09/10 10:15 AM
EMSL Order: 021008228

Fax: (704) 509-1888 Phone: (704) 509-1777
Project: **Old Bethel/71107253 Building C**

EMSL Proj:

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B*/7000B)

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
1	0001		12/15/2010	0.074 % wt
2	0002		12/15/2010	1.4 % wt
3	0003		12/15/2010	1.2 % wt
4	0004		12/15/2010	<0.010 % wt
5	0005		12/15/2010	<0.018 % wt
6	0006		12/15/2010	<0.010 % wt
7	0007		12/15/2010	<0.010 % wt
8	0008		12/15/2010	<0.014 % wt
9	0009		12/15/2010	<0.014 % wt
10	0010		12/15/2010	<0.026 % wt
11	0011		12/15/2010	0.25 % wt
12	0012		12/15/2010	<0.010 % wt
13	0013		12/15/2010	0.52 % wt

Samples 5, 8, 9, and 10 had lower weights which can increase the Reporting Limit.

Initial report from

James Cole, Laboratory Manager
or other approved signatory

Reporting limit is 0.01 % wt. The QC data associated with these results included in this report meet the method QC requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. * slight modifications to methods applied.

Samples analyzed by EMSL Analytical, Inc. 706 Gralin Street, Kernersville NC AIHA-LAP, LLC--ELLAP Lab 102564

Inspector: Chris Kelly
Date: 12/2/2010

Job Name: Old Bethel ES
Job Number: 71107253
Area: Building D

Sample No.	Color	Substate	Component	Sample Location	Floor	Condition
L1	Off White	Wood/Brick/Metal		Dining Room	Int	Good
L2	White	Plaster/Metal/Brick		Ceiling/Kitchen Walls	Int	Good
L3	White	Metal		Exterior Framing	Ext	Good
L4	Purple	Wood		Exterior Doors	Ext	Good



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Terracon Consultants, Inc.
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Charlotte, NC 28206

Customer ID: TITA52
Customer PO:
Received: 12/09/10 10:15 AM
EMSL Order: 021008227

Fax: (704) 509-1888 Phone: (704) 509-1777
Project: Old Bethel/71107253 Buidling D

EMSL Proj:

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B*/7000B)

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
1	0001		12/15/2010	0.017 % wt
2	0002		12/15/2010	0.16 % wt
3	0003		12/15/2010	0.85 % wt
4	0004		12/15/2010	0.52 % wt

initial report from

James Cole, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 706 Gralin Street, Kernersville NC AIHA-LAP, LLC--ELLAP Lab 102564

Inspector: William Reid
Date: 12/6/2010

Job Name: Old Bethel ES
Job Number: 71107253
Area: Building E

Sample No.	Color	Substate	Component	Sample Location	Floor	Condition
L1	Light Blue			Interior		
L2	Black			Trim Paint		
L3	Off White			Walls Throughout		
L4	Dark Grey			Door Frame Trim		
L5	Green			Storage Door		
L6	Brown			Janitor Closet		
L7	Blue			Classroom Door		



EMSL Analytical, Inc.

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Customer ID: TITA52
Customer PO:
Received: 12/09/10 10:15 AM
EMSL Order: 021008225

Fax: (704) 509-1888 Phone: (704) 509-1777
Project: Old Bethel/ 71107253 Building E

EMSL Proj:

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B*/7000B)

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
1	0001		12/14/2010	0.077 % wt
2	0002		12/14/2010	0.090 % wt
3	0003		12/14/2010	0.015 % wt
4	0004		12/14/2010	0.16 % wt
5	0005		12/14/2010	0.016 % wt
6	0006		12/14/2010	0.047 % wt
7	0007		12/14/2010	<0.012 % wt

Initial report from

James Cole, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 706 Gralin Street, Kernersville NC AIHA-LAP, LLC--ELLAP Lab 102564

Inspector: Russell Harrings
 Date: 11/29/2010

Job Name: Old Bethel ES
 Job Number: 71107253
 Area: Exterior Outbuildings

Sample No.	Color	Substate	Component	Sample Location	Floor	Condition
L1	White	Wood	door	East Ball Field, Press Box	Ext	intact
L2	Grey	Wood	soffitt	East Ball Field, Dugouts	Ext	intact
L3	White	Metal	door frame	South West Ball Field, Press Box	Ext	intact
L4	Grey	Wood	exterior wall	South West Ball Field, Press Box	Ext	intact
L5	Blue/Grey	Wood	interior wall	South West Ball Field, Press Box	Int	intact
L6	Grey	Wood	soffitt	Concession/Restrooms	Ext	intact
L7	White	Block	interior wall	Concession/Restrooms	Ext	intact
L8	White	Wood	overhang	Concession/Restrooms	Ext	intact
L9	Grey	Metal	exterior door	Concession/Restrooms	Ext	intact
L10	Purple	Wood	windows	Concession/Restrooms	Ext	intact
L11	Green	Wood	stall doors	Concession/Restrooms	Int	intact
L12	Red/Brown	Wood	interior door	Concession/Restrooms	Int	intact
L13	White	Wood	door	South East Field, Press Box	Int	intact
L14	Grey	Wood	exterior wall	South East Field, Press Box	Ext	intact



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Customer ID: TITA52
Customer PO:
Received: 12/09/10 10:15 AM
EMSL Order: 021008229

Fax: (704) 509-1888 Phone: (704) 509-1777
Project: **Old Bethel/ 71107253 Exterior**

EMSL Proj:

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B*/7000B)

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
1	0001		12/15/2010	<0.010 % wt
2	0002		12/15/2010	<0.010 % wt
3	0003		12/15/2010	<0.010 % wt
4	0004		12/15/2010	<0.010 % wt
5	0005		12/15/2010	<0.021 % wt
6	0006		12/15/2010	0.011 % wt
7	0007		12/15/2010	<0.010 % wt
8	0008		12/15/2010	0.014 % wt
9	0009		12/15/2010	<0.010 % wt
10	0010		12/15/2010	<0.010 % wt
11	0011		12/15/2010	<0.010 % wt
12	0012		12/15/2010	<0.010 % wt
13	0013		12/15/2010	<0.010 % wt
14	0014		12/15/2010	<0.010 % wt

Sample 5 had a lower weight which can increase the Reporting Limit.

Initial report from

James Cole, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 706 Gralin Street, Kernersville NC AIHA-LAP, LLC--ELLAP Lab 102564