ASBESTOS ABATEMENT PROJECT DESIGN

PREPARED ESPECIALLY FOR:

WILL COUNTY
302 NORTH CHICAGO STREET
JOLIET, IL  60432

PROJECT LOCATION:

STATE'S ATTORNEY'S OFFICE
121 NORTH CHICAGO STREET
JOLIET, IL  60432

MEC PROJECT #: 17-05-358-PD

ASBESTOS ABATEMENT DRAWING INDEX

GENERAL:

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
<th>Date</th>
<th>Rev. By</th>
<th>Scale</th>
<th>Project No:</th>
</tr>
</thead>
<tbody>
<tr>
<td>G - 0</td>
<td>COVER SHEET</td>
<td>Date</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G - 1</td>
<td>SCOPE OF WORK / GENERAL NOTES</td>
<td>Date</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G - 2</td>
<td>PROJECT OVERVIEW - BUILDING PLAN</td>
<td>Date</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PROJECT TIMELINE:

- PRE-BID WALK THROUGH: TBD
- BID DUE DATE: TBD
- PROJECT START: TBD
- PROJECT COMPLETION: TBD

ASBESTOS ABATEMENT PLAN:

- ASB - 1 LOWER LEVEL - ASBESTOS ABATEMENT PLAN - LLA
- ASB - 2 LOWER LEVEL - ASBESTOS ABATEMENT PLAN - LLB
- ASB - 3 1ST FLOOR - ASBESTOS ABATEMENT PLAN - 1A
- ASB - 4 1ST FLOOR - ASBESTOS ABATEMENT PLAN - 1B
- ASB - 5 2ND FLOOR - ASBESTOS ABATEMENT PLAN - 2A
- ASB - 6 2ND FLOOR - ASBESTOS ABATEMENT PLAN - 2B

SITE LOCATION MAP
SCOPE OF WORK:

The Contractor shall follow all applicable IDPH, EPA, and OSHA rules and regulations. The Contractor shall install plywood barriers and/or lock doors with sufficient signage to isolate the building in order to prevent access by unauthorized personnel. Barriers shall be constructed in accordance with IDPH rules and regulations, Title 77 of the Illinois Administrative Code (77IAC), Section 855.430.

Owner will be responsible for removing all moveable objects from rooms where abatement is scheduled.

Contractor shall be responsible for the removal of thermal system insulation (TSI), lay-in ceiling tiles & grid, drywall with tape and joint compound, floor tile, floor tile mastic, sink undercoating, and fire doors using gross removal methods within a full-containment work area as identified on the accompanying drawings. Any fiberglass insulation or non-cleanable material found behind drywall shall be disposed of as ACM waste.

Full containment work areas shall consist of critical seals, one layer of 6-mil poly on non-cleanable walls, and one layer of 6-mil poly on all carpeted floors, provided these areas are not part of abatement. An attached 3-chamber decontamination unit with functional shower and 2-chamber waste-out unit shall be constructed at the entry to each full containment work area.

Contractor shall be responsible for removing glass panes from windows where negative air is to be exhausted.

If any flooring material is found to consist of multiple layers, it is the responsibility of the Contractor to remove all layers down to the concrete deck. If asbestos-containing flooring material is found to be underneath walls or any other fixture throughout the work areas, it is the responsibility of the Contractor to demo-to-access and the removal of that flooring material is part of this contract.

All floor leveling compound that has been affected by asbestos-containing mastic, stained by mastic removing solvent, or compound that is loose shall be removed by the Contractor and disposed of as asbestos waste. If floor leveling compound appears to be of a substantial depth, the Contractor shall investigate to determine if any asbestos-containing materials are underneath. If found, the Contractor shall remove.

In areas where drywall walls and/or ceilings are removed, the Contractor shall be responsible for cleaning all wood or metal studs. No drywall debris is to be left on any stud or bottom tracks. This includes the removal of any nails, screws, etc. affected by drywall debris.

Contractor shall conduct exploratory demo to ceilings, walls, and column enclosures as necessary to access all asbestos-containing materials, including, but not limited to TSI. The removal of all asbestos-containing TSI is the responsibility of the Contractor, and is part of this contract. The Owner will not entertain any change orders.

Contractor shall provide a scissor lift or scaffolding to access the ACM ceiling materials on the 2nd floor in the center open area of the building. The door mullion in the front set of doors may need to be removed to allow a lift access to the building.

After all abatement and cleaning activities are complete in any particular work area, the Contractor shall apply a lock-down encapsulant on all materials in which asbestos-containing or asbestos- contaminated materials were removed. This shall be conducted prior to clearance air sampling. Clearance air samples shall be collected when the cleanliness of the work area is to the satisfaction of the onsite Project Manager, and a reasonable amount of time has elapsed to allow for all airborne encapsulant to settle.

All waste shall be adequately wet and double-bagged. Waste containers shall be labeled and leak-proof. All waste with sharp-edged components (e.g. nails, screws, metal lath, floor tile, etc.) shall be placed into drums for disposal. All equipment and double-bagged/labeled waste shall be transported from the work area directly to an enclosed, lockable, signed and poly-lined dumpster. All double-bagged and labeled waste shall be transported from the work area in a covered gondola. No waste shall be left within the building overnight.

The Contractor shall provide a manometer for the full containment work area to ensure that a negative pressure of 0.02” w.c. is maintained throughout the duration of the project. All negative air exhaust tubing shall be vented outside the work area.

Any non-ACM general debris that needs to be removed for abatement purposes can be stored onsite in a dedicated room agreed upon by the onsite Project Manager and Contractor Supervisor. Any cleanable non-ACM general debris that has been contaminated with asbestos dust must be wet-wiped and decontaminated prior to its storage.

The Contractor shall be responsible for the identification and disposal of all fluorescent light bulbs, PCB-containing ballasts, and mercury-containing thermostats and switches and shall dispose of them accordingly, separate from the general waste.

All electrical systems shall be shut down and locked out. All electrical power within the work areas shall be "ground-fault protected" utilizing Ground Fault Circuit Interrupters. The Contractor is required to handle all electrical shut downs. Temporary lighting is the Contractor's responsibility and shall be provided as necessary.

The owner will assist the Contractor with electrical shut downs and HVAC isolation within the work area. The building owner shall be responsible for maintaining appropriate life safety code requirements, including fire protection, for the building for the duration of the project.

Clearance is to be by aggressive PCM and will follow requirements defined in 77IAC, Sections 855.170 (b)(c)(d) and 855.470. A representative amount of clearance air samples shall be collected from each floor.

NOTES - GENERAL

1. Contractor is required to submit the project site in order to submit a bid.
2. Drawing identifies the scope of work and is identified as "WORK AREA".
3. Work will be completed following all applicable requirements.
4. The Owner will not accept any change orders based on the Contractor's failure to recognize unique conditions.
5. All permits and fees that need to be filed, are the responsibility of the Contractor. A copy of these permits and receipts shall be supplied to the Owner's representative prior to start of work.
6. The replacement of the abated materials is not of this contract.
7. Contractor shall supply a licensed electrician to hook up electrical equipment if need be.
8. It is the Owner’s responsibility to remove all moveable objects.
9. Contractor to use only IDPH-licensed workers.
10. Contractor’s IDPH-licensed supervisor must be on site at all times.
11. Contractor is responsible for supplying electrical power and water.
12. All negative air shall be exhausted outside the building.
13. Contractor shall be responsible for supplying adequate protection for workers.
14. Contractor shall comply with applicable building and safety requirements.

REFERENCES:

Asbestos Surveys - 17-05-358-INSF

<table>
<thead>
<tr>
<th>SCOPE OF WORK / GENERAL NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asbestos Surveys - 17-05-358-INSF</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>INITIAL</th>
<th>SIGNATURE</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
GENERAL ASBESTOS ABATEMENT NOTES:

1. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD.
2. CONTRACTOR SHALL CHAIN AND LOCK DOOR OR INSTALL SEPARATION BARRIERS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL TO THE WORK AREA.
3. NEGATIVE AIR SHALL BE EXHAUSTED OUTSIDE THE WORK AREA.
4. FULL CONTAINMENT WORK AREAS SHALL CONSIST OF CRITICAL SEALS, ONE LAYER OF 6-MIL POLY ON NON-CLEANABLE WALLS, AND ONE LAYER OF 6-MIL POLY ON ALL CARPETED FLOORS. PROVIDED THESE AREAS ARE NOT PART OF ABATEMENT.
5. CONTRACTOR SHALL INSTALL AN ATTACHED 3-CHAMBER DECON TO THE FULL CONTAINMENT WORK AREA.
6. CONTRACTOR SHALL INSTALL AN ATTACHED 2-CHAMBER WASTE-OUT TO THE FULL CONTAINMENT WORK AREA.
7. THE CONTRACTOR SHALL REMOVE DRYWALL WITH TAPE AND JOINT COMPOUND, FLOOR TILE, FLOOR TILE MASTIC, SINK UNDERCOATING, AND FIRE DOORS USING GROSS REMOVAL METHODS WITHIN A FULL-CONTAINMENT WORK AREA.
GENERAL ASBESTOS ABATEMENT NOTES:

1. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD.
2. CONTRACTOR SHALL CHAIN AND LOCK DOOR OR INSTALL SEPARATION BARRIERS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL TO THE WORK AREA.
3. NEGATIVE AIR SHALL BE EXHAUSTED OUTSIDE THE WORK AREA.
4. FULL CONTAINMENT WORK AREAS SHALL CONSIST OF CRITICAL SEALS, ONE LAYER OF 6-MIL POLY ON NON-CLEANABLE WALLS, AND ONE LAYER OF 6-MIL POLY ON ALL CARPETED FLOORS. PROVIDED THESE AREAS ARE NOT PART OF ABATEMENT.
5. CONTRACTOR SHALL INSTALL AN ATTACHED 3-CHAMBER DECON TO THE FULL CONTAINMENT WORK AREA.
6. CONTRACTOR SHALL INSTALL AN ATTACHED 2-CHAMBER WASTE-OUT TO THE FULL CONTAINMENT WORK AREA.
7. THE CONTRACTOR SHALL REMOVE THERMAL SYSTEM INSULATION (TSI), AND LAY-IN CEILING TILES USING GROSS REMOVAL METHODS WITHIN A FULL-CONTAINMENT WORK AREA.
1. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD.
2. CONTRACTOR SHALL CHAIN AND LOCK DOOR OR INSTALL SEPARATION BARRIERS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL TO THE WORK AREA.
3. NEGATIVE AIR SHALL BE EXHAUSTED OUTSIDE THE WORK AREA.
4. FULL CONTAINMENT WORK AREAS SHALL CONSIST OF CRITICAL SEALS, ONE LAYER OF 6-MIL POLY ON NON-CLEANABLE WALLS, AND ONE LAYER OF 6-MIL POLY ON ALL CARPETED FLOORS. PROVIDED THESE AREAS ARE NOT PART OF ABATEMENT.
5. CONTRACTOR SHALL INSTALL AN ATTACHED 3-CHAMBER DECON TO THE FULL CONTAINMENT WORK AREA.
6. CONTRACTOR SHALL INSTALL AN ATTACHED 2-CHAMBER WASTE-OUT TO THE FULL CONTAINMENT WORK AREA.
7. THE CONTRACTOR SHALL REMOVE DRYWALL WITH TAPE AND JOINT COMPOUND, FLOOR TILE, AND FLOOR TILE MASTIC USING GROSS REMOVAL METHODS WITHIN A FULL-CONTAINMENT WORK AREA.

GENERAL ASBESTOS ABATEMENT NOTES:

1. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD.
2. CONTRACTOR SHALL CHAIN AND LOCK DOOR OR INSTALL SEPARATION BARRIERS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL TO THE WORK AREA.
3. NEGATIVE AIR SHALL BE EXHAUSTED OUTSIDE THE WORK AREA.
4. FULL CONTAINMENT WORK AREAS SHALL CONSIST OF CRITICAL SEALS, ONE LAYER OF 6-MIL POLY ON NON-CLEANABLE WALLS, AND ONE LAYER OF 6-MIL POLY ON ALL CARPETED FLOORS. PROVIDED THESE AREAS ARE NOT PART OF ABATEMENT.
5. CONTRACTOR SHALL INSTALL AN ATTACHED 3-CHAMBER DECON TO THE FULL CONTAINMENT WORK AREA.
6. CONTRACTOR SHALL INSTALL AN ATTACHED 2-CHAMBER WASTE-OUT TO THE FULL CONTAINMENT WORK AREA.
7. THE CONTRACTOR SHALL REMOVE DRYWALL WITH TAPE AND JOINT COMPOUND, FLOOR TILE, AND FLOOR TILE MASTIC USING GROSS REMOVAL METHODS WITHIN A FULL-CONTAINMENT WORK AREA.

ABATEMENT LEGEND:

- LOCATION OF DRYWALL WITH COMPOUND
- LOCATION OF FLOOR TILE AND MASTIC
- FULL CONTAINMENT AREA
- CHAIN AND LOCK DOORS
- SEPARATION BARRIER
- 3-CHAMBER DECON
- 2-CHAMBER WASTE-OUT
- NEGATIVE AIR
- ELECTRICAL SOURCE
- WATER SOURCE

Consultant: Midwest Environmental Consulting Services, Inc.
4 Bonnie Lane
Yorkville, IL 60560
Ph: 630.553.3989
Fax 630.553.3990
www.mec-us.com

Client: Will County
302 North Chicago Street
Joliet, IL 60432

Reference Surveys: 17-05-358-PD

Project Designer:

LIC #: 

Project Location: Will County State’s Attorney Building
121 North Chicago Street
Joliet, IL 60432

REVISIONS

Number: 00/00/00

Date: 17-05-358-PD

Project No: ASB - 3

1ST FLOOR

ASBESTOS ABATEMENT PLAN - 1A
1. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD.
2. CONTRACTOR SHALL CHAIN AND LOCK DOOR OR INSTALL SEPARATION BARRIERS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL TO THE WORK AREA.
3. NEGATIVE AIR SHALL BE EXHAUSTED OUTSIDE THE WORK AREA.
4. FULL CONTAINMENT WORK AREAS SHALL CONSIST OF CRITICAL SEALS, ONE LAYER OF 6-MIL POLY ON NON-CLEANABLE WALLS, AND ONE LAYER OF 6-MIL POLY ON ALL CARPETED FLOORS. PROVIDED THESE AREAS ARE NOT Part OF ABATEMENT.
5. CONTRACTOR SHALL INSTALL AN ATTACHED 3-CHAMBER DECON TO THE FULL CONTAINMENT WORK AREA.
6. CONTRACTOR SHALL INSTALL AN ATTACHED 2-CHAMBER WASTE-OUT TO THE FULL CONTAINMENT WORK AREA.
7. THE CONTRACTOR SHALL REMOVE THERMAL SYSTEM INSULATION (TSI), AND LAY-IN CEILING TILES USING GROSS REMOVAL METHODS WITHIN A FULL-CONTAINMENT WORK AREA.

GENERAL ASBESTOS ABATEMENT NOTES:
1. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD.
2. CONTRACTOR SHALL CHAIN AND LOCK DOOR OR INSTALL SEPARATION BARRIERS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL TO THE WORK AREA.
3. NEGATIVE AIR SHALL BE EXHAUSTED OUTSIDE THE WORK AREA.
4. FULL CONTAINMENT WORK AREAS SHALL CONSIST OF CRITICAL SEALS, ONE LAYER OF 6-MIL POLY ON NON-CLEANABLE WALLS, AND ONE LAYER OF 6-MIL POLY ON ALL CARPETED FLOORS. PROVIDED THESE AREAS ARE NOT Part OF ABATEMENT.
5. CONTRACTOR SHALL INSTALL AN ATTACHED 3-CHAMBER DECON TO THE FULL CONTAINMENT WORK AREA.
6. CONTRACTOR SHALL INSTALL AN ATTACHED 2-CHAMBER WASTE-OUT TO THE FULL CONTAINMENT WORK AREA.
7. THE CONTRACTOR SHALL REMOVE THERMAL SYSTEM INSULATION (TSI), AND LAY-IN CEILING TILES USING GROSS REMOVAL METHODS WITHIN A FULL-CONTAINMENT WORK AREA.

DUMPSTER

ABATEMENT LEGEND:
- LOCATION OF LAY-IN CEILING TILE
- LOCATION OF THERMAL SYSTEM INSULATION
- FULL CONTAINMENT AREA
- CHAIN AND LOCK DOORS
- SEPARATION BARRIER
- 3-CHAMBER DECON
- 2-CHAMBER WASTE-OUT
- NEGATIVE AIR
- ELECTRICAL SOURCE
- WATER SOURCE

GENERAL ASBESTOS ABATEMENT NOTES:
1. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD.
2. CONTRACTOR SHALL CHAIN AND LOCK DOOR OR INSTALL SEPARATION BARRIERS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL TO THE WORK AREA.
3. NEGATIVE AIR SHALL BE EXHAUSTED OUTSIDE THE WORK AREA.
4. FULL CONTAINMENT WORK AREAS SHALL CONSIST OF CRITICAL SEALS, ONE LAYER OF 6-MIL POLY ON NON-CLEANABLE WALLS, AND ONE LAYER OF 6-MIL POLY ON ALL CARPETED FLOORS. PROVIDED THESE AREAS ARE NOT Part OF ABATEMENT.
5. CONTRACTOR SHALL INSTALL AN ATTACHED 3-CHAMBER DECON TO THE FULL CONTAINMENT WORK AREA.
6. CONTRACTOR SHALL INSTALL AN ATTACHED 2-CHAMBER WASTE-OUT TO THE FULL CONTAINMENT WORK AREA.
7. THE CONTRACTOR SHALL REMOVE THERMAL SYSTEM INSULATION (TSI), AND LAY-IN CEILING TILES USING GROSS REMOVAL METHODS WITHIN A FULL-CONTAINMENT WORK AREA.
GENERAL ASBESTOS ABATEMENT NOTES:

1. Contractor shall verify all conditions and dimensions in the field.
2. Contractor shall chain and lock door or install separation barriers to prevent access by unauthorized personnel to the work area.
3. Negative air shall be exhausted outside the work area.
4. Full containment work areas shall consist of critical seals, one layer of 6-mil poly on non-cleanable walls, and one layer of 6-mil poly on all carpeted floors. Provided these areas are not part of abatement.
5. Contractor shall install an attached 3-chamber decon to the full containment work area.
6. Contractor shall remove drywall with tape and joint compound, floor tile, floor tile mastic and a fire door using gross removal methods within a full containment work area.
7. The contractor shall remove drywall with tape and joint compound, floor tile, floor tile mastic and a fire door using gross removal methods within a full containment work area.

ABATEMENT LEGEND:
- Location of drywall with compound
- Location of floor tile and mastic
- Location of wood insulated fire doors
- Full containment area
- Chain and lock doors
- Negative air
- Electrical source
- Water source

Consultant:
Midwest Environmental Consulting Services, Inc.
4 Bonnie Lane
Yorkville, IL 60560
Ph. 630.553.3989
Fax 630.553.3990
www.mec-us.com

Contractor to field verify all quantities.

Reference Surveys:
17-05-358-INSP

Client:
Will County State's Attorney Building
121 North Chicago Street
Joliet, IL 60432

2ND FLOOR
ASBESTOS ABATEMENT PLAN - 2A
GENERAL ASBESTOS ABATEMENT NOTES:
1. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD.
2. CONTRACTOR SHALL CHAIN AND LOCK DOOR OR INSTALL SEPARATION BARRIERS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL TO THE WORK AREA.
3. NEGATIVE AIR SHALL BE EXHAUSTED OUTSIDE THE WORK AREA.
4. FULL CONTAINMENT WORK AREAS SHALL CONSIST OF CRITICAL SEALS, ONE LAYER OF 6-MIL POLY ON NON-CLEANABLE WALLS, AND ONE LAYER OF 6-MIL POLY ON ALL CARPETED FLOORS. PROVIDED THESE AREAS ARE NOT PART OF ABATEMENT.
5. CONTRACTOR SHALL INSTALL AN ATTACHED 3-CHAMBER DECON TO THE FULL CONTAINMENT WORK AREA.
6. CONTRACTOR SHALL INSTALL AN ATTACHED 2-CHAMBER WASTE-OUT TO THE FULL CONTAINMENT WORK AREA.
7. THE CONTRACTOR SHALL REMOVE THERMAL SYSTEM INSULATION (TSI) AND LAY-IN CEILING TILES USING GROSS REMOVAL METHODS WITHIN A FULL-CONTAINMENT WORK AREA.

ABATEMENT LEGEND:
- LOCATION OF LAY-IN CEILING TILE
- LOCATION OF THERMAL SYSTEM INSULATION
- FULL CONTAINMENT AREA
- CHAIN AND LOCK DOORS
- NEGATIVE AIR
- ELECTRICAL SOURCE
- WATER SOURCE

2ND FLOOR

ASSIGNMENT PLAN - 2B