



**NOTES:**

- Environmental engineering controls for this site shall include passive vent system beneath the building and courtyard, and vapor barrier consisting of Liquid Boot® or polyethylene covering the areas beneath building and courtyard. Layout depicted is based on a preliminary concept design for building and courtyard area by Lee Architects. Installation details may need to be changed once the actual development plans for this site are completed. Final environmental engineering control system design and installation shall be coordinated with the proposed building design, and is subject to review by Day Environmental, Inc. prior to installation. Systems installation must also be coordinated with and is subject to review by Day Environmental, which shall be notified at least two weeks prior to start of construction.
- Final environmental engineering control system design and installation shall also be reviewed by City of Rochester Department of Environmental Quality (DEQ). Environmental institutional controls are present in the City of Rochester's Building Information System for these parcels which prohibits issuance of permits without DEQ review.
- Geotextile (under stone sub-base): MIRAFI 500X woven polypropylene geotextile or approved equivalent.
- Poly Vapor Barrier: 6 mil Reinforced Polyethylene Sheeting, Midwest Canvas Corporation "Super Woven" or approved equivalent to be used beneath openly vented structures. Cover the entire area beneath the central driveway areas (beneath the courtyards between buildings).
- Liquid Boot® Vapor Barrier: Cold spray-applied membrane by LBI Technologies, Inc. 60 dry mil minimum thickness, applied by a LBI approved contractor in accordance with manufacturer's recommendations to be used beneath enclosed structures. Cover the entire area beneath buildings. Liquid Boot® vapor barrier to consist of membrane between two layers of geotextile filter fabric (top layer to protect membrane during slab pour). Geotextile to be per membrane manufacturer's recommendations. LBI approved installation contractor shall provide as-built drawing mark-ups following vapor barrier installation.
- Aggressively seal floor penetrations that extend through the entire thickness of the concrete slab or any cracks that may result following installation with silicone rubber caulk sealant or approved equivalent. Design-builder's structural engineer shall provide reinforcing details to prevent cracking at penetration points.
- Horizontal Pipe: 4" perforated, and 6" solid wall, PVC SDR-35 rubber gasketed pipe. Solid wall fittings. Size and type as noted on the drawing. Construct perforated pipe level with perforations to underside of pipe. Provide gasketed adapter at transition from SDR-35 to Sch 40/SDR-21 pipe.
- Vertical Pipe and Fittings: Solid wall PVC Schedule 40 or SDR-21 solvent weld joint pipe to underside of roof. Galvanized steel pipe in garage area where exposed, and through and above roof. Size as noted on the drawing. Drill one 3/8" diameter air test port hole in vertical vent pipe at access location in garage area. Provide 3/8" diameter threaded plug in drilled hole. Provide vertical pipe support from structural members or concrete foundation support, or both, for vertical vent stack.
- Pipe Labels: Label vertical vent pipe with vinyl pipe markers ("VENT" with airflow direction arrows). Pipe markers to be green and white, minimum two-inch width (Grainger 6N515\4T564 or equal), placed at maximum 8-foot intervals over full length of above-ground pipe.
- Location of vertical vent and roof exhaust to be determined by design-builder, and is subject to review by Day Environmental, Inc. prior to installation. Use as few elbows as possible during installation to minimize pressure drop, and optimize vent flows.
- Turbine Ventilator: Externally-braced, galvanized steel, aluminum bracing with oil-less bearings, size as noted, Empire model TV06G or engineer approved equal.
- Provide record drawings showing locations of constructed features.
- Existing groundwater monitoring wells that have the potential to be disturbed by the development project must be decommissioned in accordance with New York State Department of Environmental Conservation (NYSDEC) guidelines referenced in the document titled "Decommissioning Procedures NYS Superfund Standby Contract Work Assignment D0022852-10, NPL Site Monitoring Well Decommissioning" revised dated October 1996, or in accordance with other methods approved by the NYSDEC. Approximate locations of groundwater monitoring wells at, or in proximity to, the site are depicted on Figure C-2. Current condition of these groundwater monitoring wells is unknown.
- Provisions set forth in the Environmental Management Plan (EMP) dated October 2001 must be implemented for any activities (including development activities) at the site that have the potential to disturb contaminated soil, fill or groundwater.

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| DATE           | 07-2004 | DATE       | 07-2004 | DATE       | 12-10-2004 | DATE        | 12-10-2004 | DATE  | 12-10-2004 |
| PROJECT NUMBER | BFK     | DATE DRAWN | TW/LRP  | CHECKED BY | BK/TW      | APPROVED BY | BK         | SCALE | As Noted   |

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**day**  
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PROJECT TITLE: 14-80 CHARLOTTE STREET ROCHESTER, NY  
 CORRECTIVE ACTION PLAN  
 Environmental Engineering Control Plan, Section and Notes

PROJECT NO. 3460S-04  
 FIGURE NO. C-1

ANSI D11 (22x34)  
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