

VAC 3314

*Voluntary Investigation and Cleanup
Response Action Implementation Report*

*Northeast Quadrant of I-494 and Penn Avenue
Richfield, Minnesota*

*Prepared for
Opus Northwest, LLC and
Best Buy Co., Inc.*

April 2002



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MPCA, MAR Division
Petroleum & Landfill Remediation Section

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1.0 Introduction

Best Buy Co., Inc. (“Best Buy”) currently is constructing a corporate office campus at parcels located at the northeast corner of the intersection of Interstate Highway 494 (“I-494”) and Penn Avenue South in Richfield, Minnesota (the “Property”). The Property consists of 44 acres of land at the location shown on Figure 1. The office campus consists of four multi-story office buildings connected by a commons area, one parking ramp, asphalt surface parking lots, two storm water management ponds, outdoor playground and tennis courts, and outdoor walkways and trails; these features are depicted on Figure 2. The commons area will contain a cafeteria, a convenience store, a childcare facility, and a fitness center. Best Buy intends to move into the office campus by April 2003.

In preparation for redevelopment of the Property, Best Buy contracted Barr Engineering Company (“Barr”) and its subcontractor, Landmark Environmental, LLC (“Landmark”), to prepare the following documents for the Property:

- Barr. April 2000. *Voluntary Investigation and Cleanup, Phase I Environmental Property Assessment, Northeast Quadrant of I-494 and Penn Avenue, Richfield, Minnesota.*
- Barr. April 2000. *Addendum Report, Voluntary Investigation and Cleanup, Phase I Environmental Reconnaissance Summaries, Northeast Quadrant of I-494 and Penn Avenue, Richfield, Minnesota.*
- Barr. November 2000. *Voluntary Investigation and Cleanup, Phase II Investigation Report/Voluntary Response Action Plan, Northeast Quadrant of I-494 and Penn Avenue, Richfield, Minnesota.* (“VRAP”)
- Barr. November 2000. *Contingency Plan for Environmental Issues, Northeast Quadrant of I-494 and Penn Avenue, Richfield, Minnesota.* (“C-Plan”)
- Barr. January 2, 2001. Letter to Kären Kromar and Jennifer Haas (Minnesota Pollution Control Agency [“MPCA”]) re: additional groundwater sampling results.

- Landmark. March 1, 2001. Letter to Kären Kromar and Jennifer Haas (MPCA) re: addendum to voluntary response action plan and contingency plan for environmental issues.

MPCA Voluntary Investigation and Cleanup (“VIC”) and Voluntary Petroleum Investigation and Cleanup (“VPIC”) programs approved these documents in letters dated March 9, 2001 and April 4, 2001, respectively. In the March 9, 2001 approval letter, the VIC program approved proposed response actions for the soil but withheld comment on and approval of proposed groundwater response actions until additional groundwater samples had been obtained from the monitoring wells and soil response actions had been completed.

Demolition and construction of the Best Buy Campus began in April 2001. As of this time, the following tasks have been completed at the Property in accordance with the approved VRAP: hazardous materials abatement in former buildings; building demolition; water well sealing at residential and commercial properties; post-demolition test trenching in specific areas of potential of environmental concern beneath former buildings (i.e. drains, sumps, stained floors, former tank and paint booth areas) and areas of future construction activities (i.e. utility corridors, proposed surface water ponds); planned response actions (contaminated soil excavations and underground storage tank removals); and groundwater monitoring. Several contingency actions—including soil excavations, monitoring well abandonment, and sampling of sources of clean fill required for construction and final grading—also were implemented during grading and excavation work at the Property; these actions were completed in accordance with the C-Plan. Excavation for construction purposes, including building and parking ramp foundations, storm water management ponds, and utilities, is complete at this time. Ongoing construction activities such as building construction, paving, and landscaping will be completed at a later date.

This Response Action Implementation Report (“Report”) summarizes response and contingency actions as listed above and presents related supporting documentation. Demolition activities are summarized in Section 2 of this Report, post-demolition test trenching results in Section 3, planned response actions for soil in Section 4, groundwater monitoring results in Section 5, and contingency activities in Section 6. Conclusions and references are in Sections 7 and 8, respectively. Based on the information in this Report, the MPCA VIC and VPIC programs are requested to approve the implementation of VRAP and C-Plan actions, approve proposed groundwater management actions in the VRAP, and issue Best Buy both Site Closure and Certificate of Completion letters.

2.0 Demolition

Prior to demolition, pre-demolition surveys for hazardous materials were conducted for each residential and commercial building by Applied Environmental Sciences, Inc. (“AES”) or Barr. Asbestos-containing material was removed prior to demolition by Veit Environmental, Inc. (“Veit”). In addition, any hazardous materials, such as appliances, household hazardous chemicals, mercury switches, fluorescent light bulbs, PCB-containing ballasts, and/or containers of hazardous substances not removed by previous tenants, were removed by Luminaire Recycling, Inc. (“Luminaire”) for proper recycling or disposal. Excerpts of Veit’s hazardous materials abatement report, which document the end disposition of asbestos-containing and other hazardous materials, are in Appendix A. Opus Construction (“Opus”) removed and disposed of solid waste.

During demolition of the buildings on the Property, Keys Well Drilling, Inc. (“Keys”) sealed residential and commercial wells that previously had not been sealed; these wells were sealed in accordance with state regulations. Well sealing records for wells sealed in 2001 are in Appendix B. Sealed well locations are shown on Figure 3; the sealed well locations on Figure 3 include wells sealed in 2001 by Keys and wells that previously had been sealed by others.

Three aboveground fuel oil tanks in residential basements (two of which are located on Figure 3) were encountered, emptied, and removed by Luminaire for disposal; documentation of fuel oil and tank disposal is in Appendix C. Eleven and 28 hydraulic cylinders were encountered during demolition at the Wally McCarthy and Walser parcels, respectively; these cylinders were emptied by Determan Brownie, Inc., and removed by Veit for proper disposal, as documented in Appendix C.

Because total chromium was detected in samples of the concrete slab in the former Barrel Finish building (7626/7630 Knox Avenue) during previous investigations and because the concrete forming the hydraulic lift sumps beneath the Wally McCarthy maintenance shop was heavily stained with oily substances, concrete samples were obtained from each of these buildings for characterization prior to disposal. The concrete sample from sumps beneath the Wally McCarthy maintenance shop (WM-concrete) was analyzed for RCRA metals, semivolatile organic compounds (“SVOCs”), and volatile organic compounds (“VOCs”). The concrete sample from the former Barrel Finish building (sample Barrel Finish-NW) was analyzed for these same parameters by the Toxicity Characteristic Leaching Procedure (“TCLP”), because concrete samples collected during the Phase II Investigation indicated higher concentrations of chromium at this location and because the Barrel Finish building was used

as a hazardous materials collection point during hazardous materials removal. Results for these samples are presented in Table 1; laboratory analytical reports are in Appendix D. Metals, SVOCs, and VOCs were not detected by the TCLP method in sample Barrel Finish-NW. All detections of metals, SVOCs and VOCs in sample WM-concrete were reported below acceptable disposal criteria and the concrete from both buildings was properly disposed as construction debris at BFI Landfill in Inver Grove Heights.

Debris removal was conducted concurrent with demolition and earthwork activities. To the extent possible, recyclable materials (e.g., metal, rebar), demolition debris (e.g., asphalt, concrete, lumber), and soil was segregated from each other. Segregated recyclable materials were transported to appropriate recycling facilities, and approximately 39,000 cubic yards of demolition debris was transported to Veit's demolition landfill in Big Lake, Minnesota. Veit recycled as much concrete as possible with an onsite crusher; this material was used as road base and general backfill material beneath buildings at the site.

3.0 Post-Demolition Trenching Investigation

As required by the March 1, 2001 letter addendum to the VRAP and C-Plan, post-demolition test trenches were excavated to investigate soils potentially requiring response actions in addition to those documented previously in the VRAP. The test trenches were placed in the following specific areas of environmental concern: potential source areas beneath former commercial buildings (i.e., drains, sumps, stained floors, former tank and paint booth areas) and areas of excavation and construction on former commercial properties (i.e., utility corridors, proposed surface water ponds). At each location, a Barr or Landmark representative inspected soils exposed in these areas for the presence of visible contamination (e.g., odor, discoloration, sheen, organic vapor headspace concentrations using a photoionization detector, and potential asbestos-containing materials). Field observations and soil screening results were recorded on the test trench logs included in Appendix E. Test trench locations and dimensions are shown on Figure 3.

Analytical samples were obtained from those trenches in which field screening results indicated the presence of observable contamination using the action levels and list of required analyses established in the C-Plan (and presented in Table 2). Table 3 lists the field screening results for test trench samples that triggered action levels; laboratory analytical reports for these samples are in Appendix D. The following text summarizes test trenching results from the following parcels: Walser Buick and BMW; Wally McCarthy; Nichols Electric; residential parcels; ASAP Mailing; Pioneer Plastics; and Leaseback. Parcel locations are shown on Figure 3.

3.1 Walser Parcels

Test trenches are identified by the prefix "BMW" for the trenches in and around the BMW building and "WLZ" for the trenches in and around the rest of the Walser Parcel. A total of 31 test trenches were excavated on the Walser BMW and Buick parcels: one trench in each of three former underground storage tank ("UST") areas (WLZ-FUST, BMW-UST, and WLZ-UST); five trenches in and around the location of a former dry cleaners on the Walser BMW parcel (BMW-3 through BMW-7); 12 trenches beneath former drains and sumps formerly located in areas of chemical use on both parcels (BMW-1, BMW-2, BMW-Sump, WLZ-3, WLZ-4, WLZ-5, WLZ-6, WLZ-7, WLZ-8, WLZ-9, WLZ-10, and WLZ-11); one trench in the former outdoor drum storage area on the BMW parcel (BMW-Drums); six trenches in utility corridors (WLZ-2, WLZ-6, WLZ-12, WLZ-13, WLZ-14, BMW-7); four large test trenches (WLZU-1 through WLZU-4) beneath a former gasoline station

location on the western portion of the Walser parcel; one additional trench (WLZ-1) in the proposed storm water pond; and one test trench beneath a concrete island in the parking lot (WLZ-CAP) in the search for a potential additional UST. Nine of the previously listed trenches also are located within planned surface water pond locations. Except for two locations (BMW-2 and WLZ-8) described below, field screening results for soil samples from these test trenches did not exhibit observable contamination (e.g., odor, sheen, discoloration, and volatile organic headspace concentrations); therefore, no analytical samples were obtained from these trenches.

As part of the Walser parcel investigation, four large test trenches (WLZU-1 through WLZU-4) were excavated in the western portion of the Walser parcel beneath the former Walser Used Vehicle building, which was the former location of a gas station. During the Phase II Investigation, hydrocarbon-contaminated soil was observed at the southeast corner of the used vehicle building. WLZU-3 was placed to identify any potential source for the contaminated soil observed at that location. As shown on the trench logs, no field indications of contamination were observed in WLZU-3 or the other three trenches placed in the vicinity of the Walser Used Vehicle parcel.

Fill sand observed at trench BMW-2 beneath a former floor drain at the BMW parcel was stained gray and had a strong septic odor. All impacted soil observed within the test trench was excavated and stockpiled on plastic next to the trench. Sample BMW-2 (2-3') was analyzed for diesel-range organics ("DRO"), RCRA metals, and SVOCs to properly characterize the material; analytical results are listed in Table 4. DRO and SVOCs were not detected in this sample. Arsenic, barium, chromium, and lead were detected at concentrations of 2.0 mg/kg, 43 mg/kg, 7.1 mg/kg, and 20 mg/kg, respectively. These concentrations are below applicable VRAP cleanup goals, the residential soil reference values ("SRVs") of 10 mg/kg, 1200 mg/kg, 71 mg/kg, and 400 mg/kg, respectively. After review of the analytical results, stockpiled soil was placed back into the excavation.

Soil at trench WLZ-8 beneath a former floor drain on the Walser Buick parcel was stained gray, had a strong septic odor, and had a headspace reading of 1.7 parts per million (ppm). Sample WLZ-8 (2-3') was collected and analyzed for SVOCs, DRO, and RCRA metals to properly characterize the material. As shown in Table 4, SVOCs were not detected in this sample, DRO was reported at a concentration of 14 mg/kg (below the VRAP cleanup goal of 50 mg/kg), and detected metals concentrations (arsenic at 2.4 mg/kg, barium at 37 mg/kg, chromium at 6.7 mg/kg, and lead at 11 mg/kg) were below applicable VRAP cleanup goals (residential SRVs of 10 mg/kg, 1200 mg/kg, 71 mg/kg, and 400 mg/kg, respectively). Stockpiled soils were placed back into the excavation after reviewing analytical results.

3.2 Wally McCarthy Parcel

Twenty-two test trenches were excavated on the Wally McCarthy parcel, as shown on Figure 3: one trench at each of three former UST locations (WM-UST-1, WM-UST-2, and WM-UST-3); one trench at a former dispensing pump location (WM-GD); one trench at each of three former paint booth locations at the Abra Autobody and Glass building (PB-1, PB-2, and PB-3) and one trench at the associated exterior paint booth exhaust location (PB-EX); seven trenches at former sump (WMSMP-1, WMSMP-2, and TT-L) and drain (WMFD-1, WMFD-3, and WMFD-4) locations in all three buildings, including the floor drain (WMFD-2) not connected to the sanitary sewer; one trench in a former parts washer and waste oil storage location (WMWO-1) in the northern building; two additional trenches (TT-K and TT-J) in utility corridors (one of the previously listed trenches also is located within planned utility corridors); and four additional trenches (TT-F, TT-G, TT-H, and TT-I) within a planned excavation for a storm water pond. Eight of the previously listed trenches also were located within the planned pond excavation. Field screening results for soil samples from these test trenches did not exhibit observable contamination (e.g., odor, sheen, discoloration, volatile organic headspace concentrations, and man-made structures). Therefore, except for one location (TT-J), no analytical samples were obtained from these trenches.

In the Wally McCarthy parking lot near Morgan Ave, a dry well for what appeared to be a former car-washing pad was encountered at test trench TT-J. The dry well consisted of a perforated drum filled with sand set beneath a drain in a small concrete pad. No field indications of contamination were evident. An analytical sample was collected from native soil below the drum; the sample was analyzed for VOCs, SVOCs, and RCRA metals. As listed in Table 4, VOCs and SVOCs were not detected, and all detected metals concentrations (arsenic at 2.3 mg/kg, barium at 42 mg/kg, chromium at 8.0 mg/kg, and lead at 41 mg/kg) were below VRAP cleanup goals (residential SRVs of 10 mg/kg, 1200 mg/kg, 71 mg/kg, and 400 mg/kg, respectively).

3.3 Nichols Electric Parcel

One large test trench (TT-M) was excavated beneath former floor drains and floor stains of the former Nichols Electric building. No field indications of contamination were observed in this trench, therefore, no analytical samples were collected.

3.4 Residential Parcels 26 and 37

Two residential garages formerly were used for car repair: TT-77-garage was located at 7645 Oliver (Parcel 26) and TT-BB was located at 7611 Newton (Parcel 37). Test trenches were excavated beneath both garages after the structures were removed. Field screening indicated no evidence of contamination beneath either garage; therefore, no analytical samples were collected.

3.5 ASAP Mailing Parcel

In addition to the planned contaminated soil excavations at the ASAP Mailing parcel described in Section 4, four post-demolition test trenches were placed on this parcel: TT-CC was placed beneath a former floor drain/sump; TT-Q was excavated at a former soil boring location (installed during a previous investigation from which a deeper soil sample from above the water table contained trichloroethylene); and TT-R and TT-DD were located in a proposed utility corridor beneath the former sanitary sewer discharge on the west side of the building. Field screening indicated no evidence of contamination, and no soil samples were collected for analysis.

3.6 Pioneer Plastics Parcel

Three test trenches were placed at this parcel: TT-EE was excavated beneath a former sump in the eastern portion of the building; TT-S was located at the former outdoor drum storage area and in a planned utility corridor location; and TT-P was located in a planned utility corridor. Field screening results indicated no evidence of contamination, and no soil samples were collected for analysis.

3.7 Leaseback Parcels-Former Barrel Finish at 7626/7630 Knox

Five test trenches (grouped together and identified as TT-FF) were excavated beneath the former location of staining on the asphalt parking lot along the south side of the Barrel Finish building to investigate past discharges/surface runoff from the cooling tower on adjacent Pioneer Plastics property. Field screening indicated no evidence of contamination in any of the trenches, and no analytical samples were collected.

3.8 Leaseback Parcels—7634/7640/7644 Knox

Seven test trenches (TT-U, TT-V, TT-W, TT-X, TT-Y, TT-Z, and TT-AA) were excavated in planned utility corridors beneath the former building located at 7634, 7640, and 7644 Knox. Field screening results indicated no evidence of contamination, and no analytical samples were collected.

3.9 Other Development Areas

One large trench (TT-N) was excavated in the parking lot northeast of the former Tom Thumb store at the corner of 76th Street West and Knox Avenue. Five test trenches (TT-A, TT-B, TT-C, TT-D, and TT-O) were placed in planned utility corridors and soil cut areas along the south side of 77th Street between Logan and Morgan; two of these trenches were excavated within future utility corridors, and three of these trenches were excavated in the area of a soil cut for a future building. No field indication of contamination was observed in these trenches, and no analytical samples were collected.

Trenches were not placed in the daycare playground area, as its planned location, as shown on Figure 2, is on former residential property.

3.10 Post-Demolition Test Trenching Conclusions

Investigation of potential source areas of soil contamination is complete at the Property. The post-demolition test trenching identified no further soils requiring response actions than those already identified in the approved VRAP.

4.0 Soil Management

Response actions for contaminated soils and environmental issues identified during previous investigations consisted of the following elements, as described in the VRAP:

- Removal of known underground storage tanks (“USTs”) and potential associated contaminated soils on the Walser Parcels; UST locations are shown on Figure 3.
- Excavation and proper disposal of identified contaminated soils on the Wally McCarthy, Leaseback/Knox Avenue, Barrel Finish, and ASAP Mailing parcels as depicted on Figure 3.
- Placement of non-contaminated excavated soils from beneath former industrial properties (the Leaseback, ASAP Mailing, Pioneer Plastics, and Barrel Finish Parcels) beneath the buildings or parking ramp.
- Field screening of soils for potential contaminants of concern during general excavation activities for building foundations, storm water ponds, utilities, and removal of existing sewers.

Each of these response action elements is described in detail in the following sections.

4.1 Underground Storage Tank (UST) Removals

Two previously identified used oil USTs were removed from the Walser parcels. The tank directly north of the BMW building, labeled BMW-UST, and the tank on the west side of the Walser Buick dealership building, labeled WLZ-UST, were found to be in good repair. Both tanks were approximately 1,000 gallons in size and equipped with cathodic protection systems. Tank locations are shown in Figure 3, tank disposal records are in Appendix C, and the test trench logs showing field screening results are included in Appendix E.

Field screening indicated no evidence of soil contamination around and beneath these tanks; therefore, one soil sample was collected from directly beneath each tank for analysis of VOCs, DRO, PCBs, and metals in accordance with MPCA guidance documents. Samples for metals and PCB analyses were held at the laboratory pending the VOC and DRO results. Sample results for these two tank basins are presented in Table 5. VOCs were not detected in either sample. DRO was not detected in sample WLZ-UST. DRO was detected at 16 mg/kg, which is below the VRAP cleanup

goal of 50 mg/kg, in sample BMW-UST. Because VOCs and DRO were not detected or were detected at trace concentrations, neither sample was further analyzed for metals and PCBs.

4.2 Contaminated Soil Removals

The following areas of contaminated soil were identified in the VRAP Report:

- Petroleum-contaminated soil (DRO and total petroleum hydrocarbons [“TPH”] as fuel oil) beneath the maintenance area of the Wally McCarthy car dealership (Figure 3) to a maximum depth of 12 feet. Also, samples collected from the southwest portion of the excavation area exhibited arsenic concentrations above the residential SRV of 10 mg/kg.
- Petroleum- and chromium-contaminated soil was identified inside the former Barrel Finish building on the Leaseback/Knox Avenue parcel as shown in Figure 3. Soil samples collected beneath the floor and adjacent to a sump indicated that contaminated soil extended to a depth of approximately 9 feet below ground surface.
- Mercury-contaminated soil was identified at two locations (to approximate depths of 5 to 12 feet) on the ASAP Mailing Parcel during previous investigations prior to 2000; these locations are shown on Figure 3.
- Petroleum-contaminated soil was identified at the water table beneath the Walser Used Car building (the area was a former gasoline service station) on the western portion of the Walser Parcel. No source area of contamination was observed during the Phase II Investigation; however, low concentrations of petroleum were observed in the groundwater at the southeastern corner of the Walser Used Car building. As discussed above in Section 3, four large test trenches were excavated to investigate the area after the building was demolished (Figure 3). No contamination was observed in any of the test trenches.

Final soil excavation areas and dimensions are depicted on Figure 3; excavations were to extend to maximum depths of 12 feet below existing grade. Confirmation samples from the base and sidewalls of each excavation were obtained for analysis of parameters of concern specific to each area in accordance with the requirements of the VRAP and C-Plan; these samples were analyzed at Legend Technical Services (“LTS”) or, for samples from areas identified as potentially eligible for reimbursement through the Minnesota Department of Commerce Petrofund program, at Braun Intertec (“Braun”), the selected Petrofund laboratory for the project. Laboratory analytical results are

in Appendix D. Cleanup goals for metals concentrations were residential SRVs, cleanup goals for chlorinated solvents in soils were the soil leaching values (“SLVs”), and cleanup goals for petroleum compounds in soils were 50 mg/kg for DRO and gasoline-range organic compounds (“GRO”) to depths of 6 feet and 100 mg/kg for depths of greater than 6 feet.

Excavated contaminated soil was disposed at BFI, a RCRA Subtitle D landfill located in Inver Grove Heights, Minnesota. Laboratory results from each area were submitted to the landfill for approval before transporting any contaminated soil. Waste profile forms were completed prior to excavation and disposal. Documentation of contaminated soil disposal is included in Appendix F.

4.2.1 Wally McCarthy Soil Removal

Soil contaminated with petroleum compounds and arsenic was identified beneath the maintenance area of the former car dealership on the Wally McCarthy parcel during the Phase II Investigation. Figures 3 and 4 show the excavation limits beneath the Wally McCarthy maintenance shop area. 2,278 cubic yards of diesel- and/or arsenic-contaminated soil were removed from beneath the Wally McCarthy building on June 21 through 23, 2001.

Seven confirmation samples were collected from the excavation floor, and six samples were collected from the excavation sidewalls at the locations shown on Figure 4. The samples were identified with the prefix “WM” for Wally McCarthy, followed by the sample number and identifier of either “S” for samples collected from the excavation sidewall or “F” for samples collected from the excavation floor. For example, sample WM-7S was a sidewall sample collected from location 7.

The confirmation samples were analyzed for DRO. In addition, one of the floor samples and two of the sidewall samples from the southwest portion of the excavation also were analyzed for arsenic. Table 6 lists the analytical results from this excavation.

All reported arsenic concentrations (ranging from 1.2 to 2.7 mg/kg) and all but one DRO concentration (WM-5S collected from the southwest corner of the excavation) were below VRAP cleanup goals of 10 mg/kg and 50 mg/kg, respectively. Because confirmation sample WM-5S contained DRO at a concentration of 75 mg/kg, which was slightly above VRAP criteria of 50 mg/kg, an additional 30 cubic yards of soil were removed from the southwest corner of the excavation, and another confirmation sample (WM-5S/B) was collected on August 1, 2001. The DRO concentration for this sample, 9.8 mg/kg, was below the VRAP cleanup goal of 50 mg/kg.

4.2.2 Barrel Finish Soil Removal

Approximately 115 cubic yards of soil contaminated with mineral spirits was removed from beneath the former Barrel Finish building on July 12, 2001. The excavation limits and dimensions are shown on Figure 5. Four sidewall samples collected at 6 to 7 feet below ground surface and one floor sample collected at a depth of 12 feet. Samples were identified with the prefix "BFMS" for Barrel Finish Mineral Spirits, followed by either an "S" for sidewall samples or "B" for bottom/floor of the excavation, followed by the north "N", south "S", east "E" and west "W" descriptor to identify the excavation wall. For example, sample BFMS-S-W is a sidewall sample collected from the west wall of the excavation. Sample locations are depicted on Figure 5.

The samples were analyzed for GRO, DRO, and total chromium. Table 7 presents the analytical results from the Barrel Finish excavation. GRO was not detected in any of the samples and chromium concentrations, ranging from 4.7 mg/kg to 9.4 mg/kg, were below cleanup goals. DRO was not detected in the east, west, or south sidewall samples or in floor sample BFMS-B (12 feet). DRO was detected in the northern sidewall sample BFMS-S-N (4-8') at 260 mg/kg; therefore, on August 1, 2001, an additional 28 cubic yards of soil was excavated from the north sidewall, and another sidewall sample (#2BFMS-S-N(4-8')) was collected for analysis of GRO and DRO. GRO and DRO were not detected in this second sample from the north sidewall.

4.2.3 ASAP Mailing Soil Removal

Environmental investigations completed before 2000 had shown that soil beneath two areas of the former ASAP Mailing building contained mercury concentrations above VRAP cleanup goals. These soils were excavated and removed on July 12, 2001. Figure 6 shows the location and dimensions of both excavations and the sample locations. The test trench logs for both excavations are included in Appendix E. A total of 6 cubic yards were removed from excavation Hg-1 located beneath the former building, and approximately 20 cubic yards were removed from the excavation Hg-2 located adjacent to the eastern edge of the former building.

Confirmation samples were identified with the prefix Hg-1 or Hg-2, followed by a descriptor for either a sidewall sample "S" or a "B" for bottom/floor of the excavations, followed by an "N", "S", "E", or "W" for north, south, east, or west. Sample locations are depicted on Figure 6. Sample results are presented in Table 8. No field indications of contamination were observed in either of

these excavations. Five analytical soil samples (four sidewall samples and one floor sample) were collected from each of these excavations and analyzed for mercury. Trace levels of mercury, ranging from 0.11 mg/kg to 0.34 mg/kg in concentration, were reported in three samples (Hg2-S-E, Hg1-S-S, and Hg1-B) at concentrations below the VRAP cleanup goal of 0.7 mg/kg. Mercury was not detected in any of the other samples.

4.3 Management of Soil beneath Industrial Properties

During grading activities for the parking ramp, approximately 3,000 cubic yards of soil were excavated from former industrial areas, as shown on the Opus daily field construction logs in Appendix E. The VRAP required that non-contaminated soils excavated from beneath former industrial areas were to remain onsite beneath buildings. Therefore, these excavated soils were transported to the footing pads beneath Buildings 1 (also known as Building A), 2 (also known as Building B), and 3 (also known as Building C). Figure 3 shows the area, in which the soil was located prior to construction; the locations of Buildings A, B, and C are depicted on Figure 2.

4.4 Ongoing Field Observations during Grading and Excavation

During general construction grading and excavation in other areas of the Property (e.g., storm water pond, utilities, removal of existing sewers, building foundations), an environmental representative completed weekly site inspections to document any environmental issues and to ensure that all environmental requirements in the VRAP and C-Plan were met. Site inspections involved brief “tailgate” meetings with construction supervisors and field screening of soils in excavation areas. The majority of grading and excavating activities were completed in September, and soil screening was not always necessary; therefore, some check-ins were completed as telephone updates. The site inspection log for ongoing observations during construction grading and excavation is in Appendix E.

5.0 Groundwater Monitoring

Groundwater monitoring activities consisted of sampling of monitoring wells and commercial and residential wells. Results are discussed below. Laboratory analytical data reports are in Appendix D.

5.1 Monitoring Well Sampling

Ten monitoring wells were installed at the site during the Phase II Investigation and one round of samples were collected in November 2000. Analytical results were discussed in the VRAP and are presented again in Table 9 of this Report.

Additional samples were obtained from the monitoring wells during demolition and construction phases of the project to confirm that VOCs concentrations reported for first round samples are stable. Groundwater monitoring results from the October 2000 event were confirmed during a second round of sampling at all ten wells on December 5 and 6, 2000, and during a third round at three of the wells on December 27, 2000. Analytical results from both of these sampling events were submitted to the MPCA in a letter dated January 2, 2001; these results are also presented in Table 9 this Report. After reviewing results presented in the January 2, 2001 letter, the MPCA requested that well MW102 be sampled to confirm the concentration (18 micrograms per liter [$\mu\text{g/L}$]) of tetrachloroethylene ("PCE") above the Minnesota Department of Health ("MDH") Health Risk Limit for drinking water ("HRL") in the sample from MW102. MW102 was sampled again on March 20, 2001. As shown in Table 9, the concentration of PCE was confirmed in the sample from MW102 and has remained stable within a range of 18 $\mu\text{g/L}$ to 35 $\mu\text{g/L}$.

As is described in Section 6 of this Report, seven of the ten monitoring wells were properly sealed in August 2001 due to construction activities. Because the three remaining wells (MW101, MW102, and MW106) are located along the downgradient border of the Property, the wells were sampled again in October 2001 to determine whether VOC concentrations have remained stable over time. These analytical results are presented in Table 9. No VOCs were detected in the sample from MW101. PCE was the only VOC detected in the samples from MW102 and MW106 at concentrations of 14 $\mu\text{g/L}$ and 77 $\mu\text{g/L}$, respectively; PCE concentrations, while above the HRL of 7 $\mu\text{g/L}$, are consistent with or less than concentrations in samples from previous sampling events.

5.2 Residential and Commercial Well Sampling

Barr Engineering sampled eight water wells to document groundwater quality beneath the northern portion of the Property. Groundwater samples were collected from water wells located at 7634 Logan, 7644 Logan, 7620 Logan, 7608 Knox, 7625 Morgan, 7601 Newton, 7608 Oliver, and 7634 Oliver; the samples were analyzed for VOCs. Analytical results are presented in Table 10. Detections of acetone (400 µg/L) and 2-butanone (94 µg/L) were reported in the sample from 7625 Morgan; these concentrations are below the HRLs of 700 µg/L for acetone and 4,000 µg/L for 2-butanone. No other VOCs were detected in any of the other groundwater samples collected from these wells.

Following sampling, Keys Well Drilling sealed all known existing residential and commercial wells in accordance with MDH well code requirements before the properties were demolished.

5.3 Dewatering

No dewatering has been necessary during construction and excavation activities.

5.4 Groundwater Monitoring Conclusions

As stated in the VRAP, active response actions for groundwater do not appear to be required at the Property for the following reasons: only low and stable levels of VOCs were detected in groundwater samples from the monitoring wells, and most detections were below, at, or just slightly above HRLs; VRAP documentation indicates that no downgradient groundwater receptors (such as dewatering systems and drinking water wells) were located within 500 feet south of I-494 between Penn Avenue and I-35 and that no VOCs were detected in a sample from a deeper commercial well on the Wally McCarthy Parcel; and potential source areas for groundwater contamination have been investigated and removed. Permission to seal the three remaining monitoring wells is requested of the MPCA.

6.0 Contingency Actions

During implementation of the VRAP, four unexpected conditions were encountered and the C-Plan was implemented. The following text documents these contingency actions.

6.1 Wally McCarthy Hydraulic Lift

During excavation of the concrete floor at the Wally McCarthy parcel, a hydraulic lift and concrete sump were discovered directly beneath the showroom, approximately 100 feet south of the maintenance shop excavation. The location was identified as test trench WM-sh-lift, as shown on Figure 3. The concrete sump and the petroleum-stained soil that it contained were removed and disposed. A soil sample (WM-sh-lift) was collected from directly beneath the concrete sump location; that sample was analyzed for DRO. The reported DRO concentration of 12 mg/kg was below the VRAP cleanup goal of 50 mg/kg, so no further excavation was necessary. A sump disposal record is in Appendix C. Analytical results are included in Table 11 and Appendix D. The test trench log is in Appendix E.

6.2 Walser Used Oil Tank

On July 31, 2001, a backhoe excavating footings beneath the Walser Buick showroom unearthed a 1,000-gallon UST containing used oil. The location of the tank is shown on Figure 3 and is labeled WLZ-#2UST. Soil sampling locations are shown on Figure 7. Because the UST appeared to have leaked, petroleum-contaminated soil was excavated on August 2, 3, and 14, 2001. Approximately 120 cubic yards of contaminated soil were removed from beneath the former UST location; soil was excavated to a total depth of 17 feet (ultimately 35 feet below final grade at this location) using field screening action levels in the C-Plan to determine the limits of excavation.

Excavated soil was stockpiled on and covered with plastic. Samples WLZ-#2UST and WLZ-#2UST-SP#2 were collected to characterize the stockpiled soil for disposal purposes. Tank and contaminated soil disposal records are in Appendices C and F, respectively.

Soil samples from the sidewalls and base of the excavation were collected to verify that all contaminated soil had been removed; these samples were analyzed for VOCs, DRO, RCRA metals, and PCBs. Sample results are listed in Table 12 and Appendix D. Since PCBs were not detected in the first soil characterization sample, PCBs were not analyzed in samples WLZ-#2UST-NS7' and

WLZ-#2UST-WS#7. VOCs, DRO, and PCBs were not detected in the sidewall samples, and detected RCRA metals concentrations (barium at 15 to 34 mg/kg, chromium at 3.3 to 5.1 mg/kg, and lead at <2.0 to 5.1 mg/kg) all were reported below VRAP cleanup goals (1200 mg/kg, 71 mg/kg, and 400 mg/kg, respectively). Two soil samples were collected from the base of the excavation. VOCs, DRO, and PCBs were not detected in the base sample on the south side of the excavation (WLZ-#2UST-BS17'), and concentrations of detected RCRA metals in that sample (barium at 120 mg/kg, chromium at 7.8 mg/kg, lead at 7.0 mg/kg, and mercury at 0.03 mg/kg) were not reported above VRAP cleanup goals (1200 mg/kg, 71 mg/kg, 400 mg/kg, and 0.7 mg/kg, respectively). VOCs and PCBs were not detected in the base sample from the north side of the excavation (WLZ-#2UST-BN17'); however, DRO was reported at 6,900 mg/kg. The laboratory report flagged this detection as being more representative of heavier oil than diesel fuel. Mercury was reported at 0.04 mg/kg, lead at 12 mg/kg, and chromium at 9.4 mg/kg in this northern base sample; these concentrations do not exceed VRAP cleanup goals of 0.7 mg/kg, 400 mg/kg, and 71 mg/kg, respectively. Because the excavation was extended beyond the 12-foot limit of excavation established in the approved VRAP and because the source area had been removed, additional excavation was not deemed necessary at this location.

6.3 Walser Hydraulic Lift Tanks

On August 16, 2001, an earthmoving scraper grading the east-west oriented utility corridor beneath the former Walser Buick showroom, encountered two 40-gallon hydraulic lift tanks. The tanks were located approximately 50 feet apart, as shown on Figures 3 and 7. The scraper breached the easternmost tank, and approximately 15 gallons of hydraulic fluid spilled onto the ground. The westernmost tank did not contain any hydraulic fluid; however, soil directly beneath the tank had a hydrocarbon odor. Approximately 17 cubic yards of contaminated soil was excavated from beneath the two lift tanks. Contaminated soil was stockpiled on and covered with plastic. Sample WLZ-LFT-SP was collected to characterize the stockpiled soil for disposal purposes; lift tank and contaminated soil disposal records are in Appendices C and F, respectively. Because the surrounding area was excavated as a utility corridor before the tanks were encountered, no sidewalls existed; therefore, one sample was collected from directly beneath each tank to verify that all contaminated soils were removed. Sample WLZ-LFT-E(5') was collected beneath the easternmost tank, and sample WLZ-LFT-W(3') was collected beneath the westernmost tank. Both samples were analyzed for DRO, VOCs, PCBs, and polynuclear aromatic hydrocarbons ("PAHs"). VOCs and PAHs were not detected in either sample; reported concentrations of Aroclor 1260 (0.14 to 0.34 mg/kg) and DRO

(10 to 41 mg/kg) were below VRAP cleanup goals (1 mg/kg and 50 mg/kg, respectively). Analytical results are listed in Table 13 and Appendix D.

6.4 Dry Well at 7600 Morgan Ave Residence

On August 31, 2001, during excavation of the parking ramp in the northern portion of the site, a dry well/septic system was unearthed at a former residential parcel on 7600 Morgan. Two 5-foot diameter cinder block structures were located 8 feet apart and connected by a 4-inch diameter pipe. The “upgradient,” shallower structure was approximately 15 feet deep and the deeper “overflow” structure with perforated cinder blocks extended to a depth of 22 feet. Field screening indicated no evidence of contamination in samples of fill and native sand surrounding the structures to a depth of 22 feet, therefore, no analytical samples were collected.

6.5 Monitoring Well Damage/Removal

On August 16, 2001, a site inspection revealed that monitoring wells MW103, MW105, MW107, MW108, MW109, and MW110 had been damaged or removed by demolition and construction activities. These six wells were damaged such that a representative groundwater sample could not be collected. On August 17, 2001, Keys properly sealed the six damaged wells. Well sealing records are in Appendix B.

Well MW104 was completely removed during excavation of a 25-foot-deep subcut for a deep utility trench and is considered sealed by the MDH, as documented in a letter dated March 1, 2002 in Appendix B.

6.6 Imported Fill

Backfill material was imported to the Property from gravel pits in both Inver Grove Heights (approximately 2,000 cubic yards) and Shakopee, Minnesota (approximately 5,700 tons). Reports documenting the control of soil quality at both of these borrow material areas are included in Appendix G of this report. Areas receiving the off-site fill are depicted on Figure 8.

7.0 Conclusions

All approved VRAP response actions and required investigations at the Property have been completed. Concentrations of detected chemicals in remaining and imported accessible soils meet residential land use screening levels or applicable cleanup goals. Low-level detections of VOCs in shallow groundwater beneath the Property require no active remediation. The MPCA is requested to permit sealing of the remaining monitoring wells and, upon receipt of those sealing permits and approval of this Report, to issue Best Buy a Certificate of Completion and a Site Closure letter.

8.0 References

- Barr. April 2000. *Voluntary Investigation and Cleanup, Phase I Environmental Property Assessment, Northeast Quadrant of I-494 and Penn Avenue, Richfield, Minnesota.*
- Barr. April 2000. *Addendum Report, Voluntary Investigation and Cleanup, Phase I Environmental Reconnaissance Summaries, Northeast Quadrant of I-494 and Penn Avenue, Richfield, Minnesota.*
- Barr. November 2000. *Voluntary Investigation and Cleanup, Phase II Investigation Report/Voluntary Response Action Plan, Northeast Quadrant of I-494 and Penn Avenue, Richfield, Minnesota.*
- Barr. November 2000. *Contingency Plan for Environmental Issues, Northeast Quadrant of I-494 and Penn Avenue, Richfield, Minnesota.*
- Barr. January 2, 2001. Letter to Kären Kromar and Jennifer Haas (MPCA) re: Additional Groundwater Sampling Results.
- Hoffman, Mark (MDH). March 1, 2002. Letter to Jerry Mullin (Landmark) re: Status of Monitoring Well, Minnesota Unique Well Number 610219.
- Landmark. March 1, 2001. Letter to Kären Kromar and Jennifer Haas (MPCA) re: Addendum to Voluntary Response Action Plan and Contingency Plan for Environmental Issues.
- MPCA VIC Program. March 9, 2001. Letter to Best Buy and Opus re: Voluntary Response Action Plan and Contingency Plan Approval.
- MPCA VPIC Program. April 4, 2001. Letter to Best Buy re: Approval of Voluntary Response Actions for Petroleum Contamination.
- Veit Environmental, Inc. Undated. *Post Project Submittals for Opus Demolitions #3.*

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Table 1
Concrete Sample Results
Best Buy Corporate Campus
(concentrations in mg/kg)

Location Date	Barrel Fin NW 6/13/01	WM Concrete 6/13/01
<u>TPHs</u>		
Diesel Range Organics	--	5600
<u>Metals</u>		
Arsenic	--	8.8
Barium	--	33
Cadmium	--	<0.50
Chromium	--	7.1
Lead	--	42
Mercury	--	<0.10
Selenium	--	<0.50
Silver	--	<0.50
<u>Metals, TCLP, ug/L</u>		
Arsenic, TCLP	<100	--
Barium, TCLP	<500	--
Cadmium, TCLP	<100	--
Chromium, TCLP	<100	--
Lead, TCLP	<100	--
Mercury, TCLP	<5	--
Selenium, TCLP	<100	--
Silver, TCLP	<100	--
<u>VOCs</u>		
1,2,4-Trichlorobenzene	--	<2.3
1,2-Dichlorobenzene	--	<2.3
1,2-Diphenylhydrazine	--	<2.3
1,3-Dichlorobenzene	--	<2.3
1,4-Dichlorobenzene	--	<2.3
2,3,4,6-Tetrachlorophenol	--	<2.3
2,4,5-Trichlorophenol	--	<2.3
2,4,6-Trichlorophenol	--	<2.3
2,4-Dichlorophenol	--	<2.3
2,4-Dimethylphenol	--	<2.3
2,4-Dinitrophenol	--	<2.3
2,4-Dinitrotoluene	--	<2.3
2,6-Dichlorophenol	--	<2.3
2,6-Dinitrotoluene	--	<2.3
2-Chloronaphthalene	--	<2.3
2-Chlorophenol	--	<2.3
2-Methyl-4,6-dinitrophenol	--	<2.3
2-Methylnaphthalene	--	<2.3
2-Nitroaniline	--	<2.3
2-Nitrophenol	--	<2.3
3,3-Dichlorobenzidine	--	<2.3
3-Nitroaniline	--	<2.3
4-Bromophenyl phenyl ether	--	<2.3
4-Chloro-3-methylphenol	--	<2.3
4-Chloroaniline	--	<2.3
4-Chlorophenyl phenyl ether	--	<2.3
4-Nitroaniline	--	<2.3
4-Nitrophenol	--	<2.3
Acenaphthene	--	<2.3
Acenaphthylene	--	<2.3
Aniline	--	<2.3
Anthracene	--	<2.3
Benzidine	--	<2.3
Benzo(a)anthracene	--	<2.3
Benzo(a)pyrene	--	<2.3
Benzo(b)fluoranthene	--	<2.3
Benzo(g,h,i)perylene	--	<2.3
Benzo(k)fluoranthene	--	<2.3

Table 1
Concrete Sample Results
Best Buy Corporate Campus
(concentrations in mg/kg)

Location Date	Barrel Fin NW 6/13/01	WM Concrete 6/13/01
Benzoic Acid	--	<2.3
Benzyl alcohol	--	<2.3
Bis(2-chloroethoxy)methane	--	<2.3
Bis(2-chloroethyl)ether	--	<2.3
Bis(2-chloroisopropyl)ether	--	<2.3
Bis(2-ethylhexyl)phthalate	--	5.7
Butyl benzyl phthalate	--	<2.3
Carbazole	--	<2.3
Chrysene	--	<2.3
Dibenz(a,h)anthracene	--	<2.3
Dibenzofuran	--	<2.3
Diethyl phthalate	--	<2.3
Dimethyl phthalate	--	<2.3
Di-n-butyl phthalate	--	<2.3
Di-n-octyl phthalate	--	<2.3
Fluoranthene	--	<2.3
Fluorene	--	<2.3
Hexachlorobenzene	--	<2.3
Hexachlorobutadiene	--	<2.3
Hexachlorocyclopentadiene	--	<2.3
Hexachloroethane	--	<2.3
Indeno(1,2,3-cd)pyrene	--	<2.3
Isophorone	--	<2.3
Naphthalene	--	<2.3
Nitrobenzene	--	<2.3
N-Nitrosodimethylamine	--	<2.3
N-Nitrosodi-n-propylamine	--	<2.3
N-Nitrosodiphenylamine	--	<2.3
o-Cresol	--	<2.3
p-Cresol	--	<2.3
Pentachlorophenol	--	<2.3
Phenanthrene	--	<2.3
Phenol	--	<2.3
Pyrene	--	1.6 j
1,1,1,2-Tetrachloroethane	--	<0.25
1,1,1-Trichloroethane	--	<0.25
1,1,2,2-Tetrachloroethane	--	<0.25
1,1,2-Trichloroethane	--	<0.25
1,1-Dichloro-1-propene	--	<0.25
1,1-Dichloroethane	--	<0.25
1,1-Dichloroethylene	--	<0.25
1,2,3-Trichlorobenzene	--	<0.25
1,2,3-Trichloropropane	--	<0.25
1,2,4-Trichlorobenzene	--	<0.25
1,2,4-Trimethylbenzene	--	0.33
1,2-Dibromo-3-chloropropane	--	<0.25
1,2-Dibromoethane	--	<0.25
1,2-Dichlorobenzene	--	<0.25
1,2-Dichloroethane	--	<0.25
1,2-Dichloroethylene, cis	--	<0.25
1,2-Dichloroethylene, trans	--	<0.25
1,2-Dichloropropane	--	<0.25
1,3,5-Trimethylbenzene	--	<0.25
1,3-Dichloro-1-propene trans	--	<0.25
1,3-Dichloro-1-propene, cis	--	<0.25
1,3-Dichlorobenzene	--	<0.25
1,3-Dichloropropane	--	<0.25
1,4-Dichlorobenzene	--	<0.25
2,2-Dichloropropane	--	<0.25

Table 1
Concrete Sample Results
Best Buy Corporate Campus
(concentrations in mg/kg)

Location Date	Barrel Fin NW 6/13/01	WM Concrete 6/13/01
Acetone	--	<2.0
Allyl chloride	--	<0.25
Benzene	--	<0.25
Bromobenzene	--	<0.25
Bromochloromethane	--	<0.25
Bromodichloromethane	--	<0.25
Bromoform	--	<0.25
Bromomethane	--	<0.25
Butyl benzene	--	<0.25
Butylbenzene sec	--	<0.25
Butylbenzene tert-	--	<0.25
Carbon tetrachloride	--	<0.25
Chlorobenzene	--	<0.25
Chlorodibromomethane	--	<0.25
Chloroethane	--	<0.25
Chloroform	--	<0.25
Chloromethane	--	<0.25
Chlorotoluene o-	--	<0.25
Chlorotoluene p-	--	<0.25
Cumene (isopropyl benzene)	--	<0.25
Cymene p- (Toluene isopropyl p-)	--	<0.25
Dibromomethane (methylene bromide)	--	<0.25
Dichlorodifluoromethane	--	<0.25
Dichlorofluoromethane	--	<0.25
Ethyl benzene	--	<0.25
Ethyl ether	--	<0.25
Hexachlorobutadiene	--	<0.25
Methyl ethyl ketone	--	<2.0
Methyl isobutyl ketone	--	<0.25
Methyl tertiary butyl ether (MTBE)	--	<0.25
Methylene chloride	--	<1.5
Naphthalene	--	0.30
Propylbenzene	--	<0.25
Styrene	--	<0.25
Tetrachloroethylene	--	<0.25
Tetrahydrofuran	--	<2.0
Toluene	--	<0.25
Trichloroethylene	--	<0.25
Trichlorofluoromethane	--	<0.25
Trichlorotrifluoroethane	--	<0.25
Vinyl chloride	--	<0.25
Xylene m & p	--	<0.25
Xylene o-	--	<0.25
<u>VOCs, TCLP, ug/L</u>		
2,4,5-Trichlorophenol, TCLP	<40	--
2,4,6-Trichlorophenol, TCLP	<40	--
2,4-Dinitrotoluene, TCLP	<40	--
Hexachlorobenzene, TCLP	<40	--
Hexachlorobutadiene, TCLP	<40	--
Hexachloroethane, TCLP	<40	--
Nitrobenzene TCLP	<40	--
o-Cresol TCLP	<40	--
p & m Cresol TCLP	<80	--
Pentachlorophenol TCLP	<40	--
Pyridine TCLP	<40	--
1,1-Dichloroethylene, TCLP	<200	--
1,2-Dichloroethane, TCLP	<200	--
1,4-Dichlorobenzene, TCLP	<200	--
Benzene, TCLP	<200	--

Table 1
Concrete Sample Results
Best Buy Corporate Campus
(concentrations in mg/kg)

Location Date	Barrel Fin NW 6/13/01	WM Concrete 6/13/01
Carbon tetrachloride TCLP	<200	--
Chlorobenzene, TCLP	<200	--
Chloroform TCLP	<200	--
Methyl ethyl ketone, TCLP	<200	--
Tetrachloroethylene TCLP	<200	--
Trichloroethylene TCLP	<200	--
Vinyl chloride TCLP	<200	--

-- Not analyzed.

j Reported value is less than the stated laboratory quantitation limit and is considered an estimated value.

Table 2
Contingency Plan Action Levels and Required Analyses
Best Buy Corporate Campus

Field Screening Action Level—Non Petroleum	Required Sample Analysis
10 ppm non-methane headspace or greater	Volatile Organic Compounds (VOC) 8260 (preserved with methanol)
Discoloration or staining	VOC 8260 (preserved with methanol); RCRA Metals; Semivolatile Organic Compounds (SVOCs) 8270
Potential asbestos-containing material	Licensed asbestos inspector to perform sampling
Large concentration of debris or chemical containers	Determined with MPCA, depending on type of debris or chemical
Field Screening Action Level—Petroleum	Required Sample Analysis
Gasoline: greater than 40 ppm non-methane headspace	VOCs, Gasoline-Range Organics (GRO)
Diesel fuel, fuel oil, used or waste oil: visual evidence or greater than 10 ppm non-methane headspace	Diesel-Range Organics (DRO), possibly Polychlorinated Biphenyls (PCBs)

Table 3
Post-Demolition Test Trenching
Field Observations Summary for Impacted Soils
Best Buy Corporate Campus

Parcel	Location	Sample Depth (feet bgs)	Soil Class. (ASTM)	Organic Vapor Concentration (ppm)	Moisture	Odor	Sheen	Discoloration	Description
Wally McCarthy	TT-L	0 - 4	SP	0.0	Moist	None	None	None	Fill: fine- to medium-grained sand, poorly graded, pale brown
		4 - 8	SP	1.0	Moist	Slight	None	None	As above, slight petroleum odor dissipates quickly from backhoe bucket
		8 - 11	SP	0.0	Moist	None	None	None	Native at 10': fine- to medium-grained sand, poorly graded, alluvium, pale brown
	WM-sh-lift	0 - 4	SP	0.7	Moist	None	None	None	Fill: fine- to medium-grained sand in concrete sump. Grayish stained hydrocarbon-impacted soil at bottom of sump removed on 6-22-01
		4 - 6	SP	0.8	Moist	None	None	None	Native at 5': Fine-grained sand, very moist, pale brown
Barrel Finish	BFMS	0 - 4	SP/SM	0.3	Moist	None	None	None	Fill: fine - to medium-grained sand mixed with silt, yellowish brown
		4 - 8	SP	0.6	Moist	Yes	None	None	Fill: fine- to medium-grained sand, brown, slight to moderate odor of mineral spirits from 4 to 10 feet bgs
		8 - 12	SP	0.2	Moist	None	None	None	Native at 11': fine- to medium-grained sand, very moist, pale brown, odorless
Abra Auto Body	PB-2	0 - 3	SF	0.2	Moist	None	None	None	Fill: fine-grained sand with trace silt, poorly graded, dark brown, municipal garbage debris from 2 to 4 feet bgs
		3 - 6	SF	0.5	Moist	None	None	None	At 4': fine-grained sand, pale brown, mixed with some debris above 5' bgs
	PB-3	0 - 3	SP	0.8	Moist	None	None	None	Fill: fine-grained sand with trace silt, dark brown, municipal garbage from 3 to 5 feet
		3 - 6	SP	0.6	Moist	None	None	None	Native at 5': fine-grained sand, pale brown

Table 3
Post-Demolition Test Trenching
Field Observations Summary for Impacted Soils
Best Buy Corporate Campus

Parcel	Location	Sample Depth (feet bgs)	Soil Class. (ASTM)	Organic Vapor Concentration (ppm)	Moisture	Odor	Sheen	Discoloration	Description
Walser	BMW-2	0 - 4	SP	0.3	Moist	Yes	None	None	Fill: fine- to medium-grained sand, poorly graded, brown, gray-stained fill material from 3 to 5 feet has a strong septic and heavy hydrocarbon odor
		4 - 8	SP	0.3	Moist	None	None	None	Native at 6': Fine-grained sand, poorly graded, pale brown
	WLZ-8	0 - 2	SP	0.3	Moist	None	None	None	Fill: Fine- to medium-grained sand, yellowish brown, gray-stained fill material from 2 to 3 feet has a strong septic and heavy hydrocarbon odor
		2 - 3	SP	1.7	Very moist	None	None	None	As above
		3 - 6	SP	0.5	Very moist	None	None	None	As above
		6 - 8	SP	0.6	Very moist	None	None	None	Native: Fine-grained sand, laminar bedding, pale brown
	WLZ-#2UST	0 - 4	SP	1.5	Very moist	None	None	None	Fill: Fine- to medium-grained sand, brownish yellow
		4 - 8	SP	1.7	Very moist	Yes	None	None	Native at 6': fine-grained sand, loose, laminar bedding from 6 to 10 feet bgs, moderate to strong hydrocarbon odor below 6 feet bgs
		8 - 12	SP	1.9	Very moist	Yes	None	None	As above, moderate to strong odor
		12 - 16	SP	18.0	Very moist	Yes	None	None	As above, moderate to strong odor
		16 - 20	SP	1.2	Very moist	None	None	None	At 17': silt with trace fine-grained sand (ML), some clay, compact/tight, brownish yellow

Table 4
Post Demolition Test Trenching Confirmation Data
Best Buy Corporate Campus
(concentrations in mg/kg)

Location Date	Cleanup Goal	Tier I SLV	TT-J 6' 7/2/01	WLZ-8 2-3' 7/31/01	BMW-2 2-3' 7/31/01
Exceedance Key	Bold	Underline			
<u>Metals</u>					
Arsenic	10	15.1	2.3	2.4	2.0
Barium	1200	842	42	37	43
Cadmium	35	4.4	<0.50	<0.50	<0.50
Chromium	71 CR	18 CR	8.0	6.7	7.1
Lead	400	525	41	11	20
Mercury	0.7	1.6 MC	<0.10	<0.10	<0.10
Selenium	170	1.5	<0.50	<0.50	<0.50
Silver	170	3.9	<0.50	<0.50	<0.50
<u>TPHs</u>					
Diesel Range Organics	50	--	--	14	<8.0
<u>SVOCs</u>					
1,2,4-Trichlorobenzene	--	0.31	<0.33	<0.33	<0.33
1,2-Dichlorobenzene	26	8.1	<0.33	<0.33	<0.33
1,2-Diphenylhydrazine	--	--	--	<0.33	<0.33
1,3-Dichlorobenzene	26	4.2	<0.33	<0.33	<0.33
1,4-Dichlorobenzene	30	0.13	<0.33	<0.33	<0.33
2,3,4,6-Tetrachlorophenol	636	--	<0.33	<0.33	<0.33
2,4,5-Trichlorophenol	1920	--	<0.33	<0.33	<0.33
2,4,6-Trichlorophenol	595	0.21	<0.33	<0.33	<0.33
2,4-Dichlorophenol	48	0.076	<0.33	<0.33	<0.33
2,4-Dimethylphenol	390	0.34	<0.33	<0.33	<0.33
2,4-Dinitrophenol	--	0.01	<0.33	<0.33	<0.33
2,4-Dinitrotoluene	--	0.001	<0.33	<0.33	<0.33
2,6-Dichlorophenol	--	--	<0.33	<0.33	<0.33
2,6-Dinitrotoluene	--	0.001	<0.33	<0.33	<0.33
2-Chloronaphthalene	--	--	<0.33	<0.33	<0.33
2-Chlorophenol	--	0.26	<0.33	<0.33	<0.33
2-Methyl-4,6-dinitrophenol	--	--	<0.33	<0.33	<0.33
2-Methylnaphthalene	--	--	<0.33	--	--
2-Nitroaniline	--	--	<0.33	<0.33	<0.33
2-Nitrophenol	--	0.60	<0.33	<0.33	<0.33
3,3-Dichlorobenzidine	25	0.36	<0.33	<0.33	<0.33
3-Nitroaniline	--	--	<0.33	<0.33	<0.33
4-Bromophenyl phenyl ether	--	--	<0.33	<0.33	<0.33
4-Chloro-3-methylphenol	--	--	<0.33	<0.33	<0.33
4-Chloroaniline	--	--	<0.33	<0.33	<0.33
4-Chlorophenyl phenyl ether	--	--	<0.33	<0.33	<0.33
4-Nitroaniline	--	--	<0.33	<0.33	<0.33
4-Nitrophenol	--	--	<0.33	<0.33	<0.33
Acenaphthene	1200	50	<0.33	<0.33	<0.33
Acenaphthylene	--	--	<0.33	<0.33	<0.33
Aniline	--	--	<0.33	<0.33	<0.33
Anthracene	7880	942	<0.33	<0.33	<0.33
Azobenzene	--	--	<0.33	--	--
Benzidine	--	--	<0.33	<0.33	<0.33
Benzo(a)anthracene	--	10.2 T	<0.33	<0.33	<0.33
Benzo(a)pyrene	2 T	10.2 T	<0.33	<0.33	<0.33
Benzo(b)fluoranthene	--	10.2 T	<0.33	<0.33	<0.33
Benzo(g,h,i)perylene	--	--	<0.33	<0.33	<0.33
Benzo(k)fluoranthene	--	10.2 T	<0.33	<0.33	<0.33
Benzoic Acid	50000	30	<0.33	<0.33	<0.33
Benzyl alcohol	8700	--	<0.33	<0.33	<0.33
Bis(2-chloroethoxy)methane	--	--	<0.33	<0.33	<0.33
Bis(2-chloroethyl)ether	2.5	0.001	<0.33	<0.33	<0.33

Table 4
Post Demolition Test Trenching Confirmation Data
Best Buy Corporate Campus
(concentrations in mg/kg)

Location Date	Cleanup Goal	Tier I SLV	TT-J 6' 7/2/01	WLZ-8 2-3' 7/31/01	BMW-2 2-3' 7/31/01
Exceedance Key	Bold	Underline			
Bis(2-chloroisopropyl)ether	--	0.67	<0.33	<0.33	<0.33
Bis(2-ethylhexyl)phthalate	570	40	<0.33	<0.33	<0.33
Butyl benzyl phthalate	580	28	<0.33	<0.33	<0.33
Carbazole	700	--	<0.33	<0.33	<0.33
Chrysene	--	10.2 T	<0.33	<0.33	<0.33
Dibenz(a,h)anthracene	--	10.2 T	<0.33	<0.33	<0.33
Dibenzofuran	104	--	<0.33	<0.33	<0.33
Diethyl phthalate	--	18	<0.33	<0.33	<0.33
Dimethyl phthalate	--	172	<0.33	<0.33	<0.33
Di-n-butyl phthalate	2440	23	<0.33	<0.33	<0.33
Di-n-octyl phthalate	520	--	<0.33	<0.33	<0.33
Fluoranthene	1080	295	<0.33	<0.33	<0.33
Fluorene	850	47	<0.33	<0.33	<0.33
Hexachlorobenzene	5	0.32	<0.33	<0.33	<0.33
Hexachlorobutadiene	6	25	<0.33	<0.33	<0.33
Hexachlorocyclopentadiene	0.8	4.4	<0.33	<0.33	<0.33
Hexachloroethane	--	0.050	<0.33	--	--
Hexachloroethane	--	0.050	--	<0.33	<0.33
Indeno(1,2,3-cd)pyrene	--	10.2 T	<0.33	<0.33	<0.33
Isophorone	--	0.16	<0.33	<0.33	<0.33
Naphthalene	10	7.5	<0.33	<0.33	<0.33
Nitrobenzene	--	--	<0.33	<0.33	<0.33
N-Nitrosodimethylamine	--	0.82	<0.33	<0.33	<0.33
N-Nitrosodi-n-propylamine	0.7	--	<0.33	<0.33	<0.33
N-Nitrosodiphenylamine	1950	0.88	<0.33	<0.33	<0.33
o-Cresol	75	0.06	<0.33	<0.33	<0.33
p-Cresol	10	0.03	<0.33	<0.33	<0.33
Pentachlorophenol	71	0.034	<0.33	<0.33	<0.33
Phenanthrene	--	--	<0.33	<0.33	<0.33
Phenol	1100	7.8	<0.33	<0.33	<0.33
Pyrene	890	272	<0.33	<0.33	<0.33
VOCs					
1,1,1,2-Tetrachloroethane	31	1.4	<0.25	--	--
1,1,1-Trichloroethane	140	3.5	<0.25	--	--
1,1,1,2,2-Tetrachloroethane	3.5	0.01	<0.25	--	--
1,1,2-Trichloroethane	9	0.01	<0.25	--	--
1,1-Dichloro-1-propene	--	--	<0.25	--	--
1,1-Dichloroethane	34	0.18	<0.25	--	--
1,1-Dichloroethylene	0.6	0.02	<0.25	--	--
1,2,3-Trichlorobenzene	--	--	<0.25	--	--
1,2,3-Trichloropropane	--	0.35	<0.25	--	--
1,2,4-Trichlorobenzene	--	0.31	<0.25	--	--
1,2,4-Trimethylbenzene	5	--	<0.25	--	--
1,2-Dibromo-3-chloropropane	--	0.001	<0.25	--	--
1,2-Dibromoethane	0.14	0.00001	<0.25	--	--
1,2-Dichlorobenzene	--	7.8	<0.25	--	--
1,2-Dichloroethane	4	0.01	<0.25	--	--
1,2-Dichloroethylene, cis	8	0.14	<0.25	--	--
1,2-Dichloroethylene, trans	11	0.27	<0.25	--	--
1,2-Dichloropropane	4	0.011	<0.25	--	--
1,3,5-Trimethylbenzene	4	--	<0.25	--	--
1,3-Dichloro-1-propene trans	--	0.005	<0.25	--	--
1,3-Dichloro-1-propene, cis	--	0.005	<0.25	--	--
1,3-Dichlorobenzene	--	--	<0.25	--	--
1,3-Dichloropropane	--	--	<0.25	--	--

Table 4
Post Demolition Test Trenching Confirmation Data
Best Buy Corporate Campus
(concentrations in mg/kg)

Location Date	Cleanup Goal	Tier I SLV	TT-J 6' 7/2/01	WLZ-8 2-3' 7/31/01	BMW-2 2-3' 7/31/01
Exceedance Key	Bold	Underline			
1,4-Dichlorobenzene	--	0.13	<0.25	--	--
2,2-Dichloropropane	--	--	<0.25	--	--
Acetone	320	0.7	<2.0	--	--
Allyl chloride	--	0.032	<0.25	--	--
Benzene	1.5	0.034	<0.25	--	--
Bromobenzene	--	--	<0.25	--	--
Bromochloromethane	--	0.15	<0.25	--	--
Bromodichloromethane	10	0.013	<0.25	--	--
Bromoform	370	0.14	<0.25	--	--
Bromomethane	0.7	0.5	<0.25	--	--
Butyl benzene	30	--	<0.25	--	--
Butylbenzene sec	25	--	<0.25	--	--
Butylbenzene tert-	30	--	<0.25	--	--
Carbon tetrachloride	0.3	0.023	<0.25	--	--
Chlorobenzene	11	1.1	<0.25	--	--
Chlorodibromomethane	12	0.03	<0.25	--	--
Chloroethane	1000	--	<0.25	--	--
Chloroform	2.5	0.17	<0.25	--	--
Chloromethane	13	0.006	<0.25	--	--
Chlorotoluene o-	436	--	<0.25	--	--
Chlorotoluene p-	--	--	<0.25	--	--
Cumene (isopropyl benzene)	30	18	<0.25	--	--
Cymene p- (Toluene isopropyl p-)	--	--	<0.25	--	--
Dibromomethane (methylene bromide)	260	--	<0.25	--	--
Dichlorodifluoromethane	--	38	<0.25	--	--
Dichlorofluoromethane	16	--	<0.25	--	--
Ethyl benzene	200	4.7	<0.25	--	--
Ethyl ether	--	1.2	<0.25	--	--
Hexachlorobutadiene	6	25	<0.25	--	--
Methyl ethyl ketone	1400	5.4	<2.0	--	--
Methyl isobutyl ketone	140	0.42	<0.25	--	--
Methyl tertiary butyl ether (MTBE)	--	0.027	<0.25	--	--
Methylene chloride	97	0.07	<1.5	--	--
Naphthalene	10	7.5	<0.25	--	--
Propylbenzene	30	--	<0.25	--	--
Styrene	210	1.9	<0.25	--	--
Tetrachloroethylene	72	0.07	<0.25	--	--
Tetrahydrofuran	--	0.16	<2.0	--	--
Toluene	107	5.4	<0.25	--	--
Trichloroethylene	29	0.14	<0.25	--	--
Trichlorofluoromethane	67	22	<0.25	--	--
Trichlorotrifluoroethane	3745	2580	<0.25	--	--
Vinyl chloride	0.25	0.001	<0.25	--	--
Xylene m & p	--	45	<0.25	--	--
Xylene o-	--	45	<0.25	--	--

-- Not analyzed.

CR Value represents the criteria for Chromium, hexavalent.

T Value represents a criteria for the total carcinogenic PAHs as BaP. Total carcinogenic PAHs are:
 Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene,
 Dibenz(a,h)anthracene, Chrysene and Indeno(1,2,3-cd)pyrene.

MC Mercury as Mercuric Chloride.

Table 5
Soil Excavation Confirmation Data, Known UST Removals
Best Buy Corporate Campus
(concentrations in mg/kg)

Location Date	Cleanup Goal	WLZ-UST-B9' 8/6/01	BMW-Tank-B 10' 7/24/01
Exceedance Key	Bold		
TPHs			
Diesel Range Organics	50	<10	16
VOCs			
1,1,1,2-Tetrachloroethane	1.4	<0.05	<0.05
1,1,1-Trichloroethane	3.5	<0.05	<0.05
1,1,2,2-Tetrachloroethane	0.01	<0.05	<0.05
1,1,2-Trichloroethane	0.01	<0.05	<0.05
1,1-Dichloro-1-propene	--	<0.05	<0.05
1,1-Dichloroethane	0.18	<0.05	<0.05
1,1-Dichloroethylene	0.02	<0.05	<0.05
1,2,3-Trichlorobenzene	--	<0.05	<0.05
1,2,3-Trichloropropane	0.35	<0.05	<0.05
1,2,4-Trichlorobenzene	0.31	<0.05	<0.05
1,2,4-Trimethylbenzene	--	<0.05	<0.05
1,2-Dibromo-3-chloropropane	0.001	<0.05	<0.05
1,2-Dibromoethane	0.00001	<0.05	<0.05
1,2-Dichlorobenzene	7.8	<0.05	<0.05
1,2-Dichloroethane	0.01	<0.05	<0.05
1,2-Dichloroethylene, cis	0.14	<0.05	<0.05
1,2-Dichloroethylene, trans	0.27	<0.05	<0.05
1,2-Dichloropropane	0.011	<0.05	<0.05
1,3,5-Trimethylbenzene	--	<0.05	<0.05
1,3-Dichloro-1-propene trans	0.005	<0.05	<0.05
1,3-Dichloro-1-propene, cis	0.005	<0.05	<0.05
1,3-Dichlorobenzene	--	<0.05	<0.05
1,3-Dichloropropane	--	<0.05	<0.05
1,4-Dichlorobenzene	0.13	<0.05	<0.05
2,2-Dichloropropane	--	<0.05	<0.05
Acetone	0.7	<1	<1
Allyl chloride	0.032	<0.05	<0.05
Benzene	0.034	<0.05	<0.05
Bromobenzene	--	<0.05	<0.05
Bromochloromethane	0.15	<0.05	<0.05
Bromodichloromethane	0.013	<0.05	<0.05
Bromoform	0.14	<0.25	<0.25
Bromomethane	0.5	<0.05	<0.05
Butyl benzene	--	<0.05	<0.05
Butylbenzene sec	--	<0.05	<0.05
Butylbenzene tert-	--	<0.05	<0.05
Carbon tetrachloride	0.023	<0.05	<0.05
Chlorobenzene	1.1	<0.05	<0.05
Chlorodibromomethane	0.03	<0.05	<0.05
Chloroethane	--	<0.05	<0.05
Chloroform	0.17	<0.05	<0.05
Chloromethane	0.006	<0.05	<0.05
Chlorotoluene o-	--	<0.05	<0.05
Chlorotoluene p-	--	<0.05	<0.05
Cumene (isopropyl benzene)	18	<0.05	<0.05
Cymene p- (Toluene isopropyl p-)	--	<0.05	<0.05
Dibromomethane (methylene bromide)	--	<0.05	<0.05
Dichlorodifluoromethane	38	<0.05	<0.05
Dichlorofluoromethane	--	<0.05	<0.05
Ethyl benzene	4.7	<0.05	<0.05
Ethyl ether	1.2	<0.05	<0.05
Hexachlorobutadiene	25	<0.05	<0.05
Methyl ethyl ketone	6.4	<0.5	<0.5
Methyl isobutyl ketone	0.42	<0.25	<0.25
Methyl tertiary butyl ether (MTBE)	0.027	<0.05	<0.05
Methylene chloride	0.07	<0.25	<0.25

Table 5
Soil Excavation Confirmation Data, Known UST Removals
Best Buy Corporate Campus
(concentrations in mg/kg)

Location Date	Cleanup Goal	WLZ-UST-B9' 8/6/01	BMW-Tank-B 10' 7/24/01
Exceedance Key	Bold		
Naphthalene	7.5	<0.05	<0.05
Propylbenzene	--	<0.05	<0.05
Styrene	1.9	<0.05	<0.05
Tetrachloroethylene	0.07	<0.1	<0.1
Tetrahydrofuran	0.16	<0.25	<0.25
Toluene	6.4	<0.05	<0.05
Trichloroethylene	0.14	<0.05	<0.05
Trichlorofluoromethane	22	<0.05	<0.05
Trichlorotrifluoroethane	2580	<0.05	<0.05
Vinyl chloride	0.001	<0.05	<0.05
Xylene m & p	45	<0.05	<0.05
Xylene o-	45	<0.05	<0.05

-- Not analyzed.

Table 6
Soil Excavation Confirmation Data, Wally McCarthy Parcel
Best Buy Corporate Campus
(concentrations in mg/kg)

Location	Date	Diesel Range Organics	Arsenic
Cleanup Goal		50	10
Exceedance Key		Bold	<u>Underline</u>
WM-F1/8'	06/22/2001	31	--
WM-F2/8'	06/22/2001	<8.0	--
WM-F3/16'	06/22/2001	<8.0	--
WM-F4/16'	06/22/2001	16	--
WM-F5/16'	06/22/2001	19	--
WM-F6/18'	06/22/2001	<8.0	1.2
WM-F7/4'	06/22/2001	<8.0	--
WM-S1	06/22/2001	16	--
WM-S2	06/22/2001	<8.0	--
WM-S3	06/22/2001	<8.0	--
WM-S4	06/22/2001	<8.0	2.2
WM-S5	06/22/2001	75	<u>2.7</u>
WM-S6	06/22/2001	16	--
WM-SS/B	07/12/2001	9.8	--

-- Not analyzed.

Table 7
Soil Excavation Confirmation Data, Barrel Finish Parcel
Best Buy Corporate Campus
(concentrations in mg/kg)

Location Date	VRAP Cleanup Goal	BFMS-S-W 6' 7/12/01	BFMS-B 12' 7/12/01	BFMS-S-S 7' 7/12/01	BFMS-S-E 6' 7/12/01	BFMS-S-N 7' 7/12/01	2BFMS-S-N (4-8') 8/1/01
Exceedance Key	Bold						
Chromium	71 CR	5.5	8.4	4.7	5.9	9.4	--
Gasoline Range Organics	50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Diesel Range Organics	50	<8.0	<8.0	<8.0	<8.0	260	<8.0

-- Not analyzed.

CR Value represents the criteria for Chromium, hexavalent.

Table 8
Soil Excavation Confirmation Data, ASAP Mailing Parcel
Best Buy Corporate Campus
(concentrations in mg/kg)

Location	Date	Mercury
Cleanup Goal		0.7
Exceedance Key		Bold
Hg2-S-N 6'	07/12/2001	<0.10
Hg2-S-W 6'	07/12/2001	<0.10
Hg2-S-S 6'	07/12/2001	<0.10
Hg2-S-E 6'	07/12/2001	0.16
Hg2-B 12'	07/12/2001	<0.10
Hg1-S-N 3'	07/12/2001	<0.10
Hg1-S-E 3'	07/12/2001	<0.10
Hg1-S-S 3'	07/12/2001	0.11
Hg1-S-W 2.5'	07/12/2001	<0.10
Hg1-B 5'	07/12/2001	0.34

Table 9
Groundwater Quality Data
VRAP Implementation
Opus/Best Buy
(concentrations in ug/L)

Location	Minnesota	MW101	MW101	MW101	MW101	MW102	MW102	MW102	MW102	MW103	MW103	MW104
Date	Health Risk	11/3/00	12/5/00	11/27/00	10/2/01	11/3/00	12/5/00	3/20/01	10/2/01	11/3/00	12/5/00	11/3/00
Dup	Limits											
Exceedance Key	Bold											
<u>VOCs</u>												
1,1,1,2-Tetrachloroethane	70	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane	600	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
1,1,1,2-Tetrachloroethane	2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0
1,1-Dichloro-1-propene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane	70	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethylene	6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichlorobenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichloropropane	40	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
1,2,4-Trimethylbenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.80	<5.0	<5.0	<5.0	<5.0
1,2-Dibromoethane	0.004	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene	600	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	4	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethylene, cis	70	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethylene, trans	100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
1,3,5-Trimethylbenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.80	<5.0	<5.0	<5.0	<5.0
1,3-Dichloro-1-propene trans	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
1,3-Dichloro-1-propene, cis	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
1,3-Dichlorobenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
1,3-Dichloropropane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
2,2-Dichloropropane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Acetone	700	<20	<20	<5.0	<20	<20	<20	<10	<20	<20	<20	<20
Allyl chloride	30	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0
Benzene	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Bromobenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Bromochloromethane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane	6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Bromoform	40	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Bromomethane	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0
Butyl benzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Butylbenzene sec	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Butylbenzene tert-	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Chlorobenzene	100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Chlorodibromomethane	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Chloroethane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0
Chloroform	60	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Chloromethane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0
Chlorotoluene o-	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Chlorotoluene p-	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Cumene (isopropyl benzene)	300	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Cymene p- (Toluene isopropyl p-)	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Dibromomethane (methylene bromide)	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Dichlorodifluoromethane	1000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0
Dichlorofluoromethane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Table 9
Groundwater Quality Data
VRAP Implementation
Opus/Best Buy
(concentrations in ug/L)

Location	Minnesota	MW101	MW101	MW101	MW101	MW102	MW102	MW102	MW102	MW103	MW103	MW104
Date	Health Risk	11/3/00	12/5/00	12/27/00	10/2/01	11/3/00	12/5/00	3/20/01	10/2/01	11/3/00	12/5/00	11/3/00
Dup	Limits											
Exceedance Key	Bold											
Ethyl benzene	700	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Ethyl ether	1000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Hexachlorobutadiene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Methyl ethyl ketone	4000	<20	<20	<20	<20	<20	<20	<5.0	<20	<20	<20	<20
Methyl isobutyl ketone	300	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl tertiary butyl ether (MTBE)	--	7.4	7.1	8.9	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0
Methylene chloride	50	<10	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10
Naphthalene	300	<5.0	<10	<5.0	<5.0	<5.0	<10	<0.50	<5.0	<5.0	<10	<5.0
Propylbenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Styrene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Tetrachloroethylene	7	<5.0	6.0	<5.0	<5.0	14	18	35	14	<5.0	<5.0	<5.0
Tetrahydrofuran	--	<20	<20	<20	<20	<20	<20	<5.0	<20	<20	<20	<20
Toluene	1000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Trichloroethylene	30	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0
Trichlorofluoromethane	2000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0
Trichlorotrifluoroethane	200000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	0.2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0
Xylene m & p	10000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0
Xylene o-	10000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0	<5.0	<5.0	<5.0

-- Not analyzed/No criteria.

Table 9
Groundwater Quality Data
VRAP Implementation
Opus/Best Buy
(concentrations in ug/L)

Location	Minnesota	MW104	MW105	MW105	MW106	MW106	MW106	MW106	MW107	MW107	MW108	MW108
Date	Health Risk	12/5/00	11/2/00	12/5/00	11/3/00	12/6/00	12/5/00	10/2/01	11/3/00	12/5/00	11/2/00	12/6/00
Dup	Limits							DUP				
Exceedance Key	Bold											
VOCs												
1,1,1,2-Tetrachloroethane	70	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane	600	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane	2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloro-1-propene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane	70	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethylene	6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichlorobenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichloropropane	40	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trimethylbenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromoethane	0.004	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene	600	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	4	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethylene, cis	70	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethylene, trans	100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3,5-Trimethylbenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3-Dichloro-1-propene trans	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3-Dichloro-1-propene, cis	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3-Dichlorobenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3-Dichloropropane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2,2-Dichloropropane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone	700	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Allyl chloride	30	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Benzene	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromobenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromochloromethane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane	6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform	40	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromomethane	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Butyl benzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Butylbenzene sec	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Butylbenzene tert-	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene	100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorodibromomethane	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroethane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	60	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloromethane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorotoluene o-	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorotoluene p-	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cumene (isopropyl benzene)	300	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cymene p- (Toluene isopropyl p-)	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromomethane (methylene bromide)	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dichlorodifluoromethane	1000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dichlorofluoromethane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Table 9
Groundwater Quality Data
VRAP Implementation
Opus/Best Buy
(concentrations in ug/L)

Location	Minnesota	MW104	MW105	MW105	MW106	MW106	MW106	MW106	MW107	MW107	MW108	MW108
Date	Health Risk	12/5/00	11/2/00	12/5/00	11/3/00	12/6/00	12/6/00	10/2/01	11/3/00	12/5/00	11/2/00	12/6/00
Dup	Limits						DUP					
Exceedance Key	Bold											
Ethyl benzene	700	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethyl ether	1000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Hexachlorobutadiene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl ethyl ketone	4000	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Methyl isobutyl ketone	300	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl tertiary butyl ether (MTBE)	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methylene chloride	50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Naphthalene	300	<10	<5.0	<10	<5.0	<10	<10	<5.0	<5.0	<10	<5.0	<10
Propylbenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethylene	7	<5.0	<5.0	<5.0	100	88	79	85	<5.0	<5.0	<5.0	6.0
Tetrahydrofuran	--	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Toluene	1000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethylene	30	<5.0	11	13	<5.0	<5.0	<5.0	<5.0	8.2	15	<5.0	<5.0
Trichlorofluoromethane	2000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichlorotrifluoroethane	200000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	0.2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Xylene m & p	10000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Xylene o-	10000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

-- Not analyzed/No criteria.

Table 9
Groundwater Quality Data
VRAP Implementation
Opus/Best Buy
(concentrations in ug/L)

Location	Minnesota	MW108	MW109	MW109	MW109	MW110	MW110	MW110	MW-TEMP
Date	Health Risk	12/27/00	11/2/00	11/2/00	12/6/00	11/2/00	12/6/00	12/27/00	11/2/00
Dup	Limits			DUP					
Exceedance Key	Bold								
VOCs									
1,1,1,2-Tetrachloroethane	70	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane	600	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane	2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloro-1-propene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane	70	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethylene	6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichlorobenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichloropropane	40	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trimethylbenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromoethane	0.004	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene	600	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	4	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethylene, cis	70	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethylene, trans	100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3,5-Trimethylbenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3-Dichloro-1-propene trans	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3-Dichloro-1-propene, cis	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3-Dichlorobenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3-Dichloropropane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2,2-Dichloropropane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone	700	<20	<20	<20	<20	<20	<20	<20	<20
Allyl chloride	30	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Benzene	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromobenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromochloromethane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane	6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform	40	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromomethane	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Butyl benzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Butylbenzene sec	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Butylbenzene tert-	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene	100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorodibromomethane	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroethane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	60	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloromethane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorotoluene o-	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorotoluene p-	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cumene (isopropyl benzene)	300	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cymene p- (Toluene isopropyl p-)	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromomethane (methylene bromide)	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dichlorodifluoromethane	1000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dichlorofluoromethane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Table 9
Groundwater Quality Data
VRAP Implementation
Opus/Best Buy
(concentrations in ug/L)

Location	Minnesota	MW108	MW109	MW109	MW109	MW110	MW110	MW110	MW-TEMP
Date	Health Risk	12/27/00	11/2/00	11/2/00	12/6/00	11/2/00	12/6/00	12/27/00	11/2/00
Dup	Limits			DUP					
Exceedance Key	Bold								
Ethyl benzene	700	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethyl ether	1000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Hexachlorobutadiene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl ethyl ketone	4000	<20	<20	<20	<20	<20	<20	<20	<20
Methyl isobutyl ketone	300	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl tertiary butyl ether (MTBE)	--	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methylene chloride	50	<10	<10	<10	<10	<10	<10	<10	<10
Naphthalene	300	<5.0	<5.0	<5.0	<10	<5.0	<10	<5.0	<5.0
Propylbenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethylene	7	7.8	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrahydrofuran	--	<5.0	<20	<20	<20	<20	<20	<20	<20
Toluene	1000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethylene	30	<5.0	<5.0	<5.0	<5.0	<5.0	7.7	7.5	<5.0
Trichlorofluoromethane	2000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichlorotrifluoroethane	200000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	0.2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Xylene m & p	10000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Xylene o-	10000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

-- Not analyzed/No criteria.

Table 10
Water Quality Data, Residential Wells
Best Buy Corporate Campus
(concentrations in ug/L)

Location Date	Minnesota Health Risk Limits	7608 Knox 6/11/01	7634 Logan 6/12/01	7644 Logan 6/12/01	7620 Logan 6/12/01	7625 Morgan 6/13/01	7601 Newton 6/12/01	7604 Oliver 6/14/01	7634 Oliver 6/14/01
Exceedance Key	Bold								
VOCs									
1,1,1,2-Tetrachloroethane	70	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane	600	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane	2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloro-1-propene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane	70	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethylene	6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichlorobenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichloropropane	40	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trimethylbenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromoethane	0.004	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene	600	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	4	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethylene, cis	70	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethylene, trans	100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3,5-Trimethylbenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3-Dichloro-1-propene trans	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3-Dichloro-1-propene, cis	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3-Dichlorobenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3-Dichloropropane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2,2-Dichloropropane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone	700	<20	<20	<20	<20	400	<20	<20	<20
Allyl chloride	30	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Benzene	10	<5.0	<5.0	<5.0	<5.0	<5.0	6.8	<5.0	<5.0
Bromobenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromochloromethane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane	6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform	40	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromomethane	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Butyl benzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Butylbenzene sec	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Butylbenzene tert-	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene	100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorodibromomethane	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroethane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	60	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloromethane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorotoluene o-	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorotoluene p-	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cumene (isopropyl benzene)	300	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cymene p- (Toluene isopropyl p-)	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromomethane (methylene bromide)	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dichlorodifluoromethane	1000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dichlorofluoromethane	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethyl benzene	700	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethyl ether	1000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Hexachlorobutadiene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl ethyl ketone	4000	<20	<20	<20	<20	94	<20	<20	<20
Methyl isobutyl ketone	300	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl tertiary butyl ether (MTBE)	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methylene chloride	50	<10	<10	<10	<10	<10	<10	<10	<10
Naphthalene	300	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Propylbenzene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethylene	7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Table 10
Water Quality Data, Residential Wells
Best Buy Corporate Campus
(concentrations in ug/L)

Location Date	Minnesota Health Risk Limits	7608 Knox 6/11/01	7634 Logan 6/12/01	7644 Logan 6/12/01	7620 Logan 6/12/01	7625 Morgan 6/13/01	7601 Newton 6/12/01	7604 Oliver 6/14/01	7634 Oliver 6/14/01
Exceedance Key	Bold								
Tetrahydrofuran	--	<20	<20	<20	<20	<20	<20	<20	<20
Toluene	1000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethylene	30	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichlorofluoromethane	2000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichlorotrifluoroethane	200000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	0.2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Xylene m & p	10000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Xylene o-	10000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

-- Not analyzed.

Table 11
Contingency Sample Data, Wally McCarthy Hydraulic Lift Area
Best Buy Corporate Campus
(concentrations in mg/kg)

Location	WM-SH-LIFT
Date	8/1/01
Cleanup Goal	50
Diesel Range Organics	12

Table 12
Contingency Sample Data, Walser Used Oil UST
Best Buy Corporate Campus
(concentrations in mg/kg, unless noted otherwise)

Location	Cleanup	WLZ-#2UST-S7'	WLZ-#2UST-E7'	WLZ-#2UST-BS17'	WLZ-#2UST-SP#2
Date	Goal	8/14/01	8/14/01	8/14/01	8/14/01
Exceedance Key	Bold				
Metals					
Arsenic	10	<6.4	<6.4	<6.4	<6.4
Barium	1200	34	23	120	60
Cadmium	35	<0.50	<0.50	<0.50	<0.50
Chromium	71 CR	5.1	3.6	7.8	4.9
Lead	400	5.1	2.8	7.0	64
Mercury	0.7	<0.030	<0.030	0.03	<0.030
Selenium	170	<8.6	<8.6	<8.6	<8.6
Silver	170	<1.0	<1.0	<1.0	<1.0
Lead TCLP, ug/L	5000	--	--	--	50
PCBs					
PCB-1016	--	<0.07	<0.07	<0.07	<0.07
PCB-1221	--	<0.07	<0.07	<0.07	<0.07
PCB-1232	--	<0.07	<0.07	<0.07	<0.07
PCB-1242	--	<0.07	<0.07	<0.07	<0.07
PCB-1248	--	<0.07	<0.07	<0.07	<0.07
PCB-1254	--	<0.07	<0.07	<0.07	<0.07
PCB-1260	--	<0.07	<0.07	<0.07	<0.07
PCB-1268	--	<0.07	<0.07	<0.07	<0.07
TPHs					
Diesel Range Organics	50	<10	<10	<10	2100
VOCs					
1,1,1,2-Tetrachloroethane	1.4	<0.051	<0.05	<0.055	<0.05
1,1,1-Trichloroethane	3.5	<0.051	<0.05	<0.055	<0.05
1,1,2,2-Tetrachloroethane	0.01	<0.051	<0.05	<0.055	<0.05
1,1,2-Trichloroethane	0.01	<0.051	<0.05	<0.055	<0.05
1,1-Dichloro-1-propene	--	<0.051	<0.05	<0.055	<0.05
1,1-Dichloroethane	0.18	<0.051	<0.05	<0.055	<0.05
1,1-Dichloroethylene	0.02	<0.051	<0.05	<0.055	<0.05
1,2,3-Trichlorobenzene	--	<0.051	<0.05	<0.055	<0.05
1,2,3-Trichloropropane	0.35	<0.051	<0.05	<0.055	<0.05
1,2,4-Trichlorobenzene	0.31	<0.051	<0.05	<0.055	<0.05
1,2,4-Trimethylbenzene	--	<0.051	<0.05	<0.055	<0.05
1,2-Dibromo-3-chloropropane	0.001	<0.051	<0.05	<0.055	<0.05
1,2-Dibromoethane	0.00001	<0.051	<0.05	<0.055	<0.05
1,2-Dichlorobenzene	7.8	<0.051	<0.05	<0.055	<0.05
1,2-Dichloroethane	0.01	<0.051	<0.05	<0.055	<0.05
1,2-Dichloroethylene, cis	0.14	<0.051	<0.05	<0.055	<0.05
1,2-Dichloroethylene, trans	0.27	<0.051	<0.05	<0.055	<0.05
1,2-Dichloropropane	0.011	<0.051	<0.05	<0.055	<0.05
1,3,5-Trimethylbenzene	--	<0.051	<0.05	<0.055	<0.05
1,3-Dichloro-1-propene trans	0.005	<0.051	<0.05	<0.055	<0.05
1,3-Dichloro-1-propene, cis	0.005	<0.051	<0.05	<0.055	<0.05
1,3-Dichlorobenzene	--	<0.051	<0.05	<0.055	<0.05
1,3-Dichloropropane	--	<0.051	<0.05	<0.055	<0.05
1,4-Dichlorobenzene	0.13	<0.051	<0.05	<0.055	<0.05
2,2-Dichloropropane	--	<0.051	<0.05	<0.055	<0.05
Acetone	0.7	<1	<1	<1.1	<1
Allyl chloride	0.032	<0.051	<0.05	<0.055	<0.05
Benzene	0.034	<0.051	<0.05	<0.055	<0.05
Bromobenzene	--	<0.051	<0.05	<0.055	<0.05
Bromochloromethane	0.15	<0.051	<0.05	<0.055	<0.05
Bromodichloromethane	0.013	<0.051	<0.05	<0.055	<0.05
Bromoform	0.14	<0.25	<0.25	<0.28	<0.25
Bromomethane	0.5	<0.051	<0.05	<0.055	<0.05
Butyl benzene	--	<0.051	<0.05	<0.055	<0.05
Butylbenzene sec	--	<0.051	<0.05	<0.055	<0.05
Butylbenzene tert-	--	<0.051	<0.05	<0.055	<0.05
Carbon tetrachloride	0.023	<0.051	<0.05	<0.055	<0.05

Table 12
Contingency Sample Data, Walser Used Oil UST
Best Buy Corporate Campus
(concentrations in mg/kg, unless noted otherwise)

Location Date	Cleanup Goal	WLZ-#2UST-S7' 8/14/01	WLZ-#2UST-E7' 8/14/01	WLZ-#2UST-BS17' 8/14/01	WLZ-#2UST-SP#2 8/14/01
Exceedance Key	Bold				
Chlorobenzene	1.1	<0.051	<0.05	<0.055	<0.05
Chlorodibromomethane	0.03	<0.051	<0.05	<0.055	<0.05
Chloroethane	--	<0.051	<0.05	<0.055	<0.05
Chloroform	0.17	<0.051	<0.05	<0.055	<0.05
Chloromethane	0.006	<0.051	<0.05	<0.055	<0.05
Chlorotoluene o-	--	<0.051	<0.05	<0.055	<0.05
Chlorotoluene p-	--	<0.051	<0.05	<0.055	<0.05
Cumene (isopropyl benzene)	18	<0.051	<0.05	<0.055	<0.05
Cymene p- (Toluene isopropyl p-)	--	<0.051	<0.05	<0.055	<0.05
Dibromomethane (methylene bromide)	--	<0.051	<0.05	<0.055	<0.05
Dichlorodifluoromethane	38	<0.051	<0.05	<0.055	<0.05
Dichlorofluoromethane	--	<0.051	<0.05	<0.055	<0.05
Ethyl benzene	4.7	<0.051	<0.05	<0.055	<0.05
Ethyl ether	1.2	<0.051	<0.05	<0.055	<0.05
Hexachlorobutadiene	25	<0.051	<0.05	<0.055	<0.05
Methyl ethyl ketone	6.4	<0.51	<0.5	<0.55	<0.5
Methyl isobutyl ketone	0.42	<0.25	<0.25	<0.28	<0.25
Methyl tertiary butyl ether (MTBE)	0.027	<0.051	<0.05	<0.055	<0.05
Methylene chloride	0.07	<0.25	<0.25	<0.28	<0.25
Naphthalene	7.5	<0.051	<0.05	<0.055	<0.05
Propylbenzene	--	<0.051	<0.05	<0.055	<0.05
Styrene	1.9	<0.051	<0.05	<0.055	<0.05
Tetrachloroethylene	0.07	<0.1	<0.1	<0.11	<0.1
Tetrahydrofuran	0.16	<0.25	<0.25	<0.28	<0.25
Toluene	6.4	<0.051	<0.05	<0.055	<0.05
Trichloroethylene	0.14	<0.051	<0.05	<0.055	<0.05
Trichlorofluoromethane	22	<0.051	<0.05	<0.055	<0.05
Trichlorotrifluoroethane	2580	<0.051	<0.05	<0.055	<0.05
Vinyl chloride	0.001	<0.051	<0.05	<0.055	<0.05
Xylene m & p	45	<0.051	<0.05	<0.055	<0.05
Xylene o-	45	<0.051	<0.05	<0.055	<0.05

-- Not analyzed.

CR Value represents the criteria for Chromium, hexavalent.

MC Mercury as Mercuric Chloride.

Table 12
Contingency Sample Data, Walser Used Oil UST
Best Buy Corporate Campus
(concentrations in mg/kg, unless noted otherwise)

Location Date	Cleanup Goal	WLZ-#2UST-BN17' 8/14/01	WLZ-#2UST-NS7' 8/3/01	WLZ-#2UST-WS7' 8/3/01	WLZ #2UST 8/1/01
Exceedance Key	Bold				
Metals					
Arsenic	10	<6.4	<6.4	<6.4	<6.4
Barium	1200	120	15	17	52
Cadmium	35	<0.50	<0.50	<0.50	<0.50
Chromium	71 CR	9.4	3.5	3.3	4.8
Lead	400	12	<2.0	<2.0	240
Mercury	0.7	0.04	<0.030	<0.030	<0.030
Selenium	170	<8.6	<8.6	<8.6	<8.6
Silver	170	<1.0	<1.0	<1.0	<1.0
Lead TCLP, ug/L	5000	--	--	--	--
PCBs					
PCB-1016	--	<0.07	--	--	<0.07
PCB-1221	--	<0.07	--	--	<0.07
PCB-1232	--	<0.07	--	--	<0.07
PCB-1242	--	<0.07	--	--	<0.07
PCB-1248	--	<0.07	--	--	<0.07
PCB-1254	--	<0.07	--	--	<0.07
PCB-1260	--	<0.07	--	--	0.18
PCB-1268	--	<0.07	--	--	<0.07
TPHs					
Diesel Range Organics	50	6900	<10	<13	18000
VOCs					
1,1,1,2-Tetrachloroethane	1.4	<0.05	<0.05	<0.05	<0.05
1,1,1-Trichloroethane	3.5	<0.05	<0.05	<0.05	<0.05
1,1,2,2-Tetrachloroethane	0.01	<0.05	<0.05	<0.05	<0.05
1,1,2-Trichloroethane	0.01	<0.05	<0.05	<0.05	<0.05
1,1-Dichloro-1-propene	--	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	0.18	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethylene	0.02	<0.05	<0.05	<0.05	<0.05
1,2,3-Trichlorobenzene	--	<0.05	<0.05	<0.05	<0.05
1,2,3-Trichloropropane	0.35	<0.05	<0.05	<0.05	<0.05
1,2,4-Trichlorobenzene	0.31	<0.05	<0.05	<0.05	<0.05
1,2,4-Trimethylbenzene	--	<0.05	<0.05	<0.05	48
1,2-Dibromo-3-chloropropane	0.001	<0.05	<0.05	<0.05	<0.05
1,2-Dibromoethane	0.00001	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	7.8	<0.05	<0.05	<0.05	<0.05
1,2-Dichloroethane	0.01	<0.05	<0.05	<0.05	<0.05
1,2-Dichloroethylene, cis	0.14	<0.05	<0.05	<0.05	<0.05
1,2-Dichloroethylene, trans	0.27	<0.05	<0.05	<0.05	<0.05
1,2-Dichloropropane	0.011	<0.05	<0.05	<0.05	<0.05
1,3,5-Trimethylbenzene	--	<0.05	<0.05	<0.05	13
1,3-Dichloro-1-propene trans	0.005	<0.05	<0.05	<0.05	<0.05
1,3-Dichloro-1-propene, cis	0.005	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	--	<0.05	<0.05	<0.05	<0.05
1,3-Dichloropropane	--	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	0.13	<0.05	<0.05	<0.05	<0.05
2,2-Dichloropropane	--	<0.05	<0.05	<0.05	<0.05
Acetone	0.7	<1	<1	<1	<1
Allyl chloride	0.032	<0.05	<0.05	<0.05	<0.05
Benzene	0.034	<0.05	<0.05	<0.05	1.4
Bromobenzene	--	<0.05	<0.05	<0.05	<0.05
Bromochloromethane	0.15	<0.05	<0.05	<0.05	<0.05
Bromodichloromethane	0.013	<0.05	<0.05	<0.05	<0.05
Bromoform	0.14	<0.25	<0.25	<0.25	<0.25
Bromomethane	0.5	<0.05	<0.05	<0.05	<0.05
Butyl benzene	--	<0.05	<0.05	<0.05	5.4
Butylbenzene sec	--	<0.05	<0.05	<0.05	1.5
Butylbenzene tert-	--	<0.05	<0.05	<0.05	<0.05
Carbon tetrachloride	0.023	<0.05	<0.05	<0.05	<0.05

Table 12
Contingency Sample Data, Walser Used Oil UST
Best Buy Corporate Campus
(concentrations in mg/kg, unless noted otherwise)

Location Date	Cleanup Goal	WLZ-#2UST-BN17' 8/14/01	WLZ-#2UST-NS7' 8/3/01	WLZ-#2UST-WS7' 8/3/01	WLZ #2UST 8/1/01
Exceedance Key	Bold				
Chlorobenzene	1.1	<0.05	<0.05	<0.05	<0.05
Chlorodibromomethane	0.03	<0.05	<0.05	<0.05	<0.05
Chloroethane	--	<0.05	<0.05	<0.05	<0.05
Chloroform	0.17	<0.05	<0.05	<0.05	<0.05
Chloromethane	0.006	<0.05	<0.05	<0.05	<0.05
Chlorotoluene o-	--	<0.05	<0.05	<0.05	<0.05
Chlorotoluene p-	--	<0.05	<0.05	<0.05	<0.05
Cumene (isopropyl benzene)	18	<0.05	<0.05	<0.05	1.8
Cymene p- (Toluene isopropyl p-)	--	<0.05	<0.05	<0.05	0.87
Dibromomethane (methylene bromide)	--	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	38	<0.05	<0.05	<0.05	<0.05
Dichlorofluoromethane	--	<0.05	<0.05	<0.05	<0.05
Ethyl benzene	4.7	<0.05	<0.05	<0.05	12
Ethyl ether	1.2	<0.05	<0.05	<0.05	<0.05
Hexachlorobutadiene	25	<0.05	<0.05	<0.05	<0.05
Methyl ethyl ketone	6.4	<0.5	<0.5	<0.5	<0.5
Methyl isobutyl ketone	0.42	<0.25	<0.25	<0.25	<0.25
Methyl tertiary butyl ether (MTBE)	0.027	<0.05	<0.05	<0.05	<0.05
Methylene chloride	0.07	<0.25	<0.25	<0.25	<0.25
Naphthalene	7.5	<0.05	<0.05	<0.05	15
Propylbenzene	--	<0.05	<0.05	<0.05	7.6
Styrene	1.9	<0.05	<0.05	<0.05	0.15
Tetrachloroethylene	0.07	<0.1	<0.1	<0.1	<0.1
Tetrahydrofuran	0.16	<0.25	<0.25	<0.25	<0.25
Toluene	6.4	<0.05	<0.05	0.052	17
Trichloroethylene	0.14	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane	22	<0.05	<0.05	<0.05	<0.05
Trichlorotrifluoroethane	2580	<0.05	<0.05	<0.05	0.46
Vinyl chloride	0.001	<0.05	<0.05	<0.05	<0.05
Xylene m & p	45	<0.05	<0.05	<0.05	46
Xylene o-	45	<0.05	<0.05	<0.05	21

-- Not analyzed.

CR Value represents the criteria for Chromium, hexavalent

MC Mercury as Mercuric Chloride.

Table 13
Contingency Sample Data, Walser Hydraulic Lift Area
Best Buy Corporate Campus
(concentrations in mg/kg)

Location Date	Cleanup Goal	WLZ-LFT-SP 8/16/01	WLZ-LFT-E5' 8/16/01	WLZ-LFT-W3' 8/16/01
Exceedance Key	Bold			
<u>Metals</u>				
Arsenic	10	<6.4	--	--
Barium	1200	26	--	--
Cadmium	35	<0.50	--	--
Chromium	71 CR	6.0	--	--
Lead	400	77	--	--
Mercury	0.7	<0.030	--	--
Selenium	170	<8.6	--	--
Silver	170	<1.0	--	--
<u>PCBs</u>				
PCB-1016	--	<0.07	<0.07	<0.07
PCB-1221	--	<0.07	<0.07	<0.07
PCB-1232	--	<0.07	<0.07	<0.07
PCB-1242	--	<0.07	<0.07	<0.07
PCB-1248	--	<0.07	<0.07	<0.07
PCB-1254	--	<0.07	<0.07	<0.07
PCB-1260	--	<0.07	0.14	0.34
PCB-1268	--	<0.07	<0.07	<0.07
<u>TPHs</u>				
Diesel Range Organics	50	16000	10	41
<u>VOCs</u>				
1,1,1,2-Tetrachloroethane	1.4	<0.05	--	--
1,1,1-Trichloroethane	3.5	0.26	--	--
1,1,2,2-Tetrachloroethane	0.01	<0.05	--	--
1,1,2-Trichloroethane	0.01	<0.05	--	--
1,1-Dichloro-1-propene	--	<0.05	--	--
1,1-Dichloroethane	0.18	<0.05	--	--
1,1-Dichloroethylene	0.02	<0.05	--	--
1,2,3-Trichlorobenzene	--	<0.05	--	--
1,2,3-Trichloropropane	0.35	<0.05	--	--
1,2,4-Trichlorobenzene	0.31	<0.05	--	--
1,2,4-Trimethylbenzene	--	13	--	--
1,2-Dibromo-3-chloropropane	0.001	<0.05	--	--
1,2-Dibromoethane	0.00001	<0.05	--	--
1,2-Dichlorobenzene	7.8	<0.05	--	--
1,2-Dichloroethane	0.01	<0.05	--	--
1,2-Dichloroethylene, cis	0.14	<0.05	--	--
1,2-Dichloroethylene, trans	0.27	<0.05	--	--
1,2-Dichloropropane	0.011	<0.05	--	--
1,3,5-Trimethylbenzene	--	3.4	--	--
1,3-Dichloro-1-propene trans	0.005	<0.05	--	--
1,3-Dichloro-1-propene, cis	0.005	<0.05	--	--
1,3-Dichlorobenzene	--	<0.05	--	--
1,3-Dichloropropane	--	<0.05	--	--
1,4-Dichlorobenzene	0.13	<0.05	--	--
2,2-Dichloropropane	--	<0.05	--	--
Acetone	0.7	<1	--	--
Allyl chloride	0.032	<0.05	--	--
Benzene	0.034	<0.05	<0.05	<0.05
Bromobenzene	--	<0.05	--	--
Bromochloromethane	0.15	<0.05	--	--
Bromodichloromethane	0.013	<0.05	--	--
Bromoform	0.14	<0.25	--	--
Bromomethane	0.5	<0.05	--	--
Butyl benzene	--	4.2	--	--
Butylbenzene sec	--	0.82	--	--
Butylbenzene tert-	--	<0.05	--	--
Carbon tetrachloride	0.023	<0.05	--	--
Chlorobenzene	1.1	<0.05	--	--

Table 13
Contingency Sample Data, Walser Hydraulic Lift Area
Best Buy Corporate Campus
(concentrations in mg/kg)

Location Date	Cleanup Goal	WLZ-LFT-SP 8/16/01	WLZ-LFT-E5 8/16/01	WLZ-LFT-W3 8/16/01
Exceedance Key	Bold			
Chlorodibromomethane	0.03	<0.05	--	--
Chloroethane	--	<0.05	--	--
Chloroform	0.17	<0.05	--	--
Chloromethane	0.006	<0.05	--	--
Chlorotoluene o-	--	<0.05	--	--
Chlorotoluene p-	--	<0.05	--	--
Cumene (isopropyl benzene)	18	0.31	--	--
Cymene p- (Toluene isopropyl p-)	--	0.94	--	--
Dibromomethane (methylene bromide)	--	<0.05	--	--
Dichlorodifluoromethane	38	<0.05	--	--
Dichlorofluoromethane	--	<0.05	--	--
Ethyl benzene	4.7	0.38	<0.05	<0.05
Ethyl ether	1.2	<0.05	--	--
Hexachlorobutadiene	25	<0.05	--	--
Methyl ethyl ketone	6.4	<0.5	--	--
Methyl isobutyl ketone	0.42	<0.25	--	--
Methyl tertiary butyl ether (MTBE)	0.027	<0.05	--	--
Methylene chloride	0.07	<0.25	--	--
Naphthalene	7.5	33	--	--
Propylbenzene	--	0.68	--	--
Styrene	1.9	<0.05	--	--
Tetrachloroethylene	0.07	0.46	--	--
Tetrahydrofuran	0.16	<0.25	--	--
Toluene	6.4	0.68	<0.05	<0.05
Trichloroethylene	0.14	<0.05	--	--
Trichlorofluoromethane	22	<0.05	--	--
Trichlorotrifluoroethane	2580	<0.05	--	--
Vinyl chloride	0.001	<0.05	--	--
Xylene m & p	45	3.7	<0.05	<0.05
Xylene o-	45	2.3	<0.05	<0.05
SVOCs				
2-Methylnaphthalene	--	18	<0.39	<0.13
Acenaphthene	1200	<2.0	<0.39	<0.13
Acenaphthylene	--	<2.0	<0.39	<0.13
Anthracene	7880	<2.0	<0.39	<0.13
Benzo(a)anthracene	--	<2.0	<0.39	<0.13
Benzo(a)pyrene	2 T	<2.0	<0.39	<0.13
Benzo(b)fluoranthene	--	<2.0	<0.39	<0.13
Benzo(g,h,i)perylene	--	<2.0	<0.39	<0.13
Benzo(k)fluoranthene	--	<2.0	<0.39	<0.13
Carbazole	700	<2.0	<0.39	<0.13
Chrysene	--	<2.0	<0.39	<0.13
Dibenz(a,h)anthracene	--	<2.0	<0.39	<0.13
Dibenzofuran	104	<2.0	<0.39	<0.13
Fluoranthene	1080	2.0	<0.39	<0.13
Fluorene	850	<2.0	<0.39	<0.13
Indeno(1,2,3-cd)pyrene	--	<2.0	<0.39	<0.13
Naphthalene	10	34	<0.39	<0.13
Phenanthrene	--	3.6	<0.39	<0.13
Pyrene	890	2.0	<0.39	<0.13

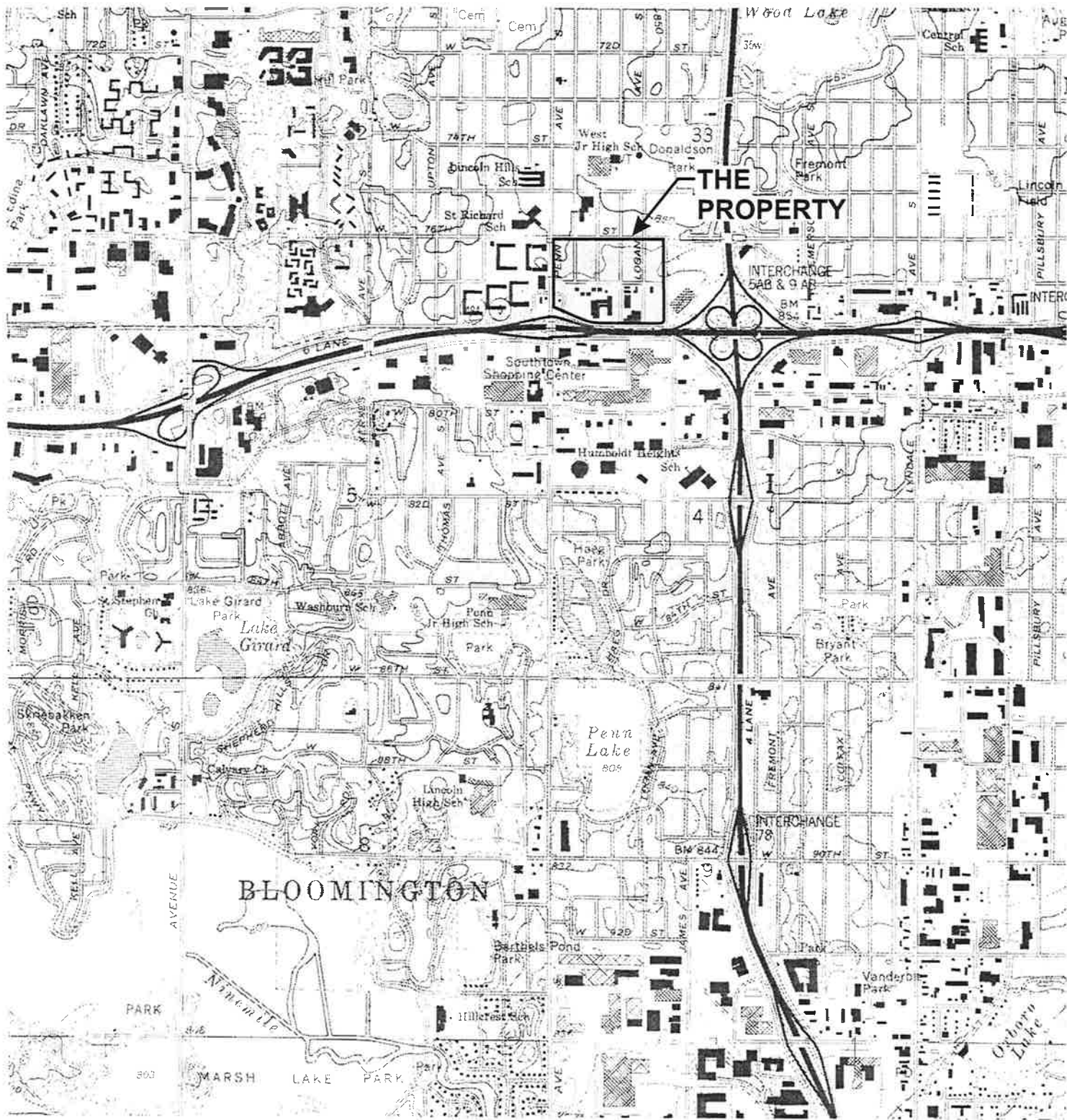
-- Not analyzed.

CR Value represents the criteria for Chromium, hexavalent.

MC Mercury as Mercuric Chloride.

T Value represents a criteria for the total carcinogenic PAHs as BaP. Total carcinogenic PAHs are:
 Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene,
 Dibenz(a,h)anthracene, Chrysene and Indeno(1,2,3-cd)pyrene.

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Source: Bloomington, Minnesota Quadrangle, 7.5 Minute Series, 1993.



0 2000 4000

Scale in Feet



QUADRANGLE LOCATION

Figure 1

PROPERTY LOCATION MAP
494/Penn Avenue
Richfield, Minnesota

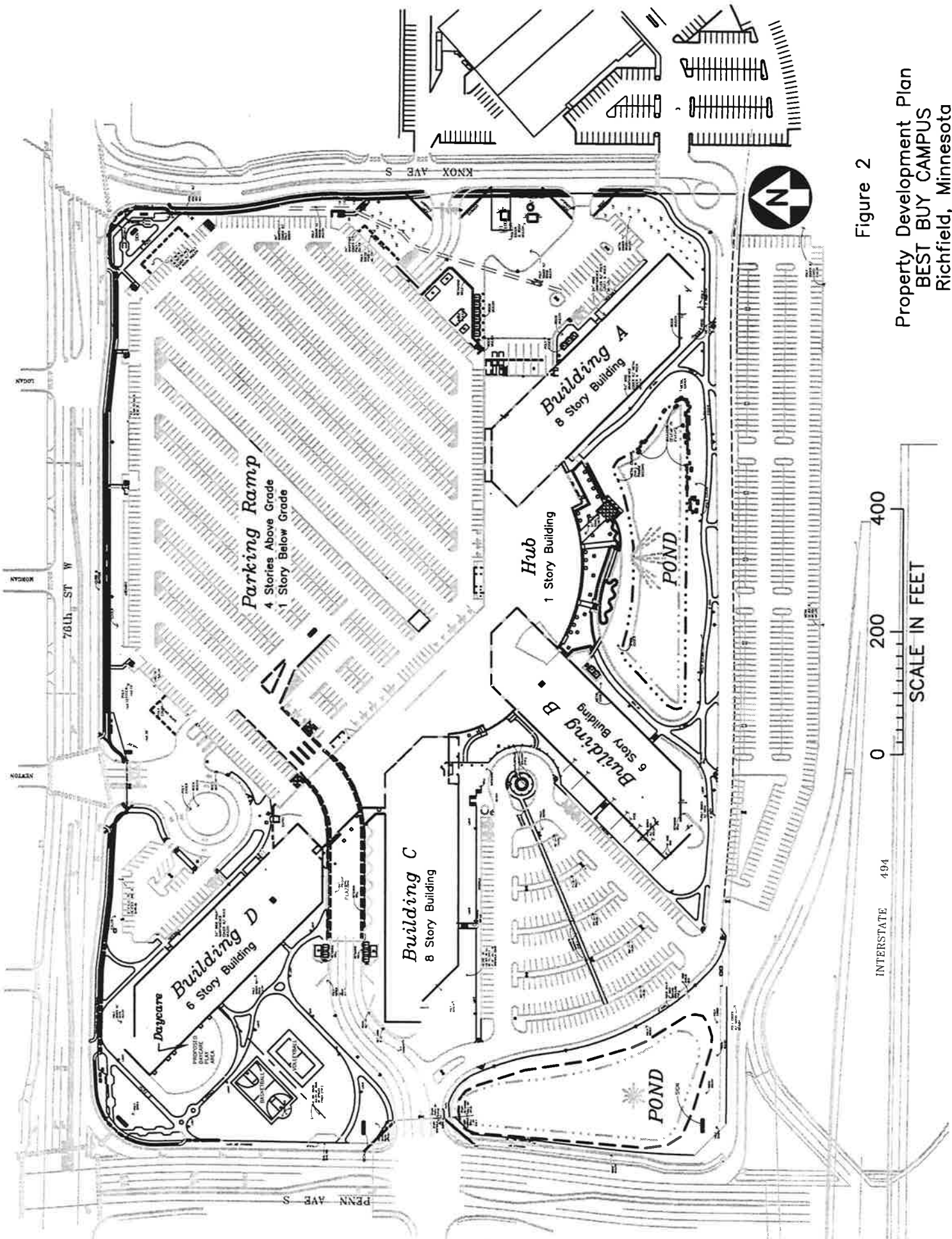


Figure 2
 Property Development Plan
 BEST BUY CAMPUS
 Richfield, Minnesota

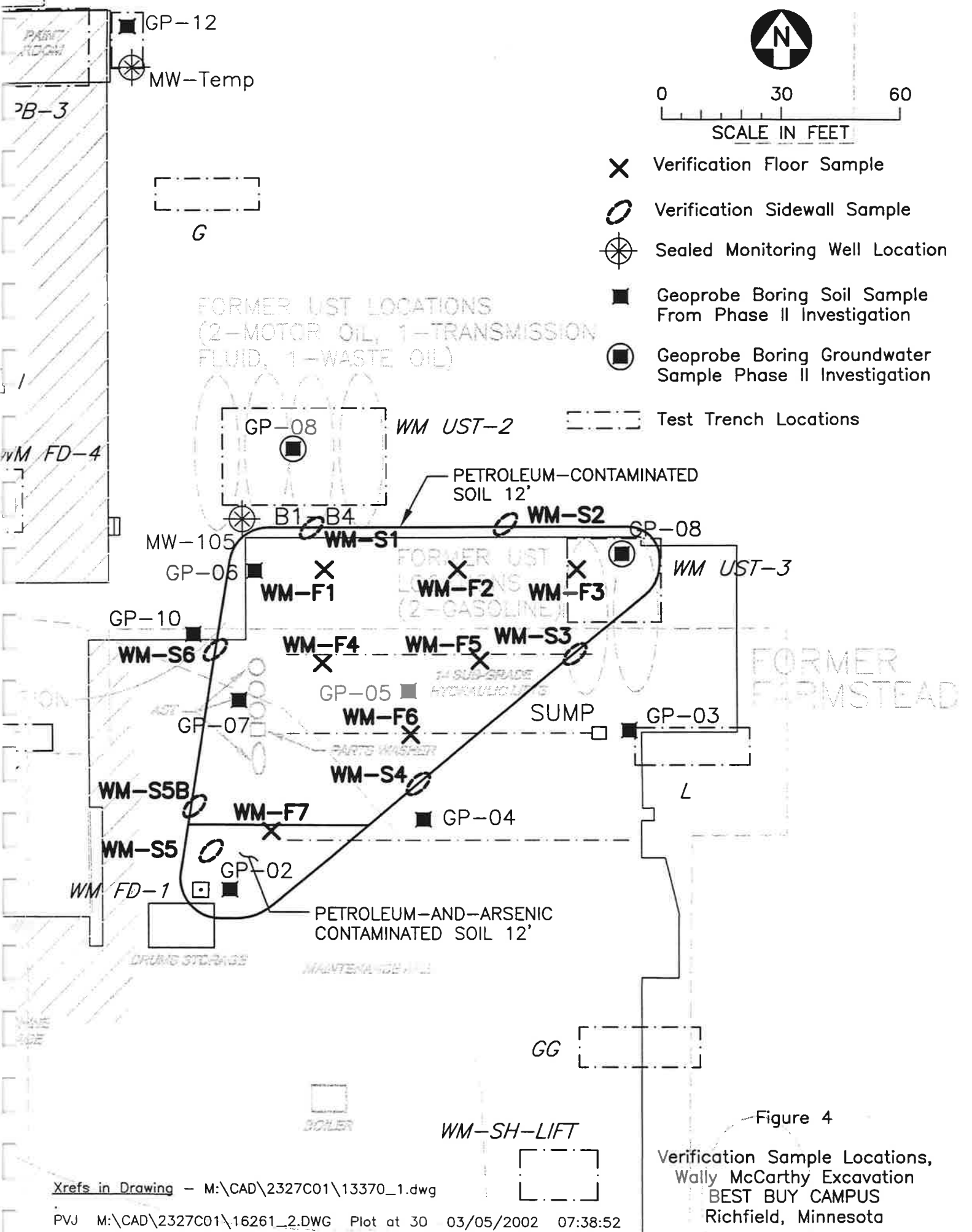
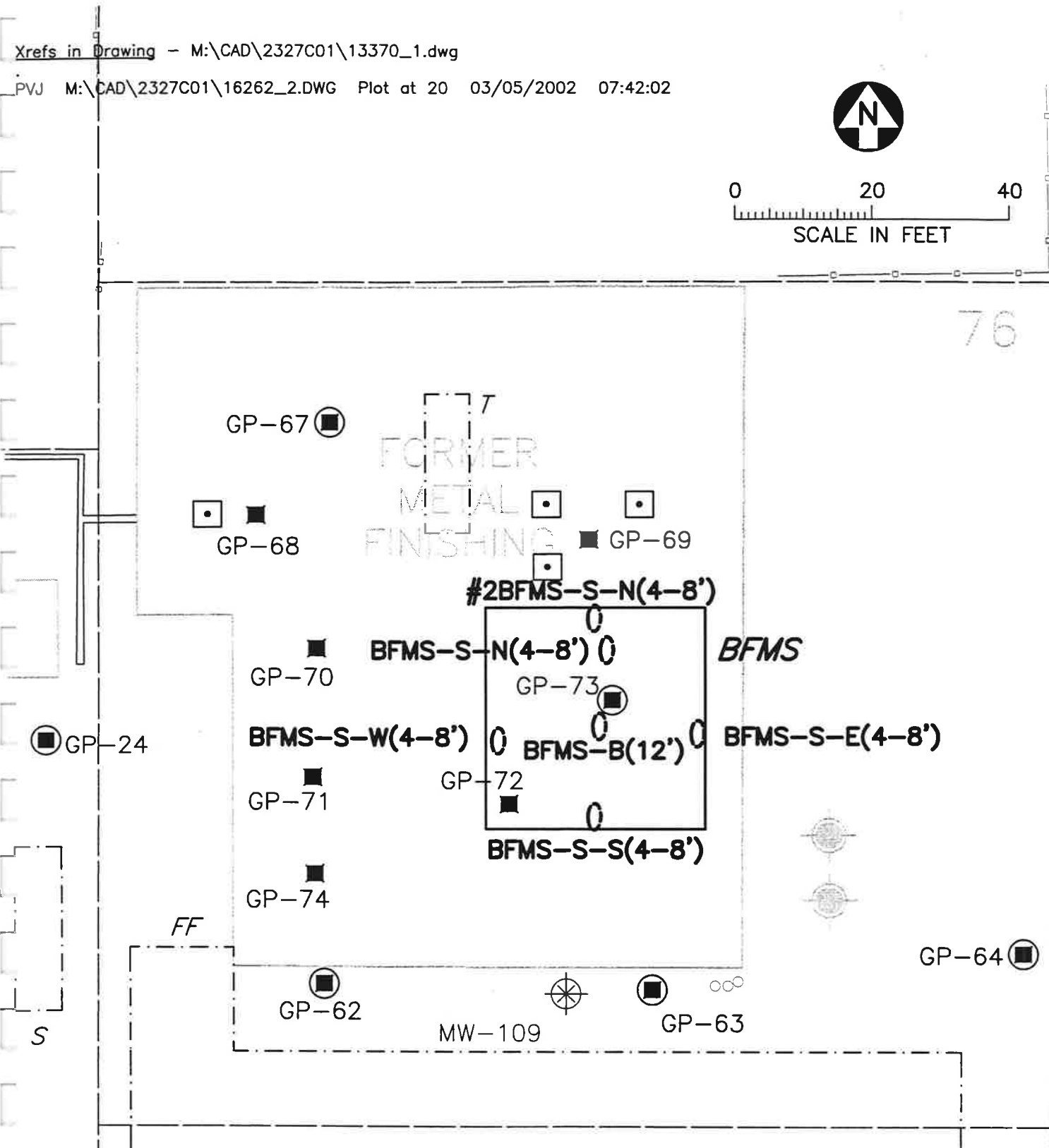
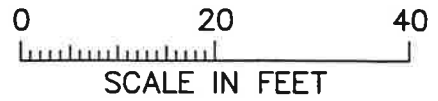


Figure 4
 Verification Sample Locations,
 Wally McCarthy Excavation
 BEST BUY CAMPUS
 Richfield, Minnesota



- Verification Sample Location
- Sealed Monitoring Well Location
- Geoprobe Boring Soil Sample From Phase II Investigation
- Geoprobe Boring Groundwater Sample Location Phase II Investigation
- Test Trench Locations

Figure 5
Verification Sample Location,
Barrel Finish Excavation
BEST BUY CAMPUS
Richfield, Minnesota

7626
7630

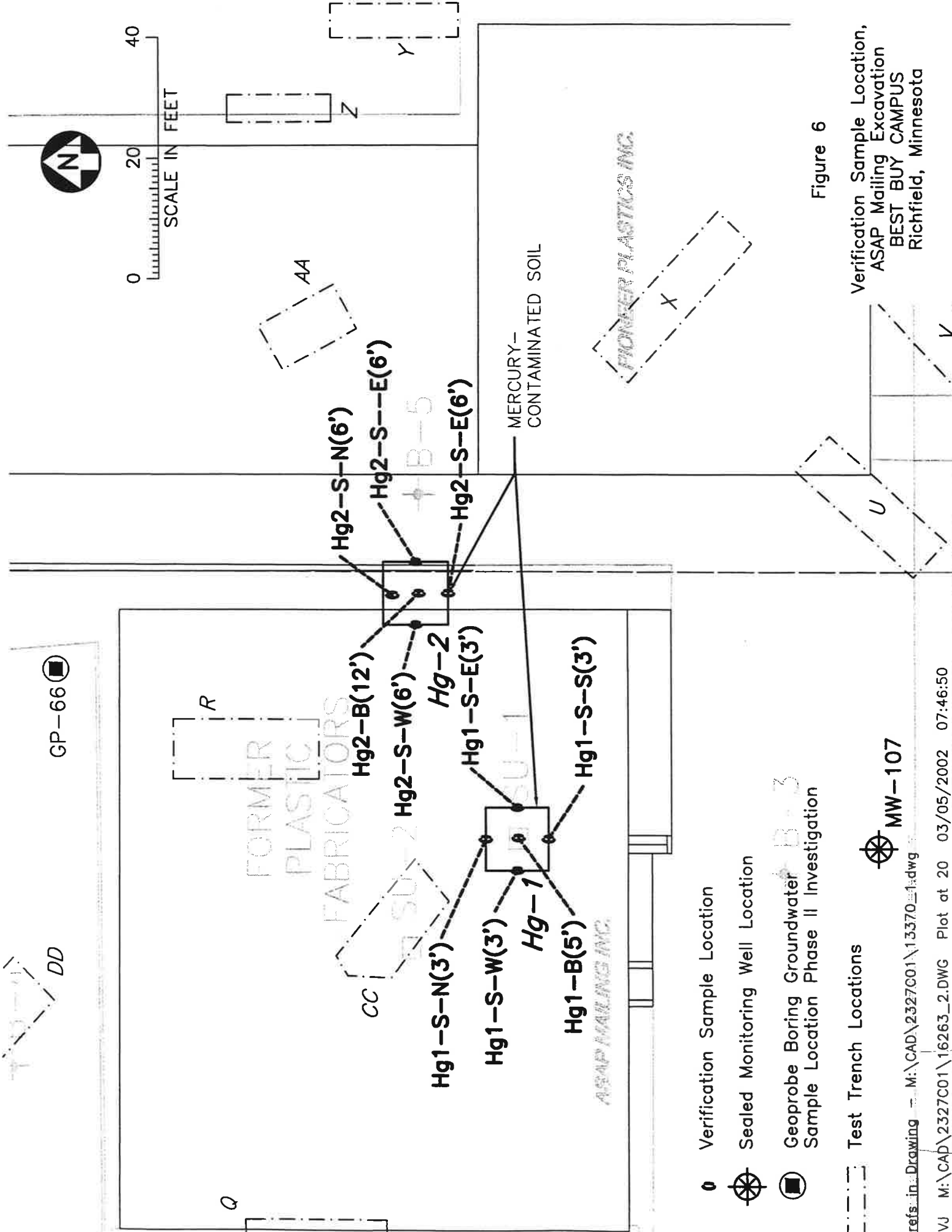
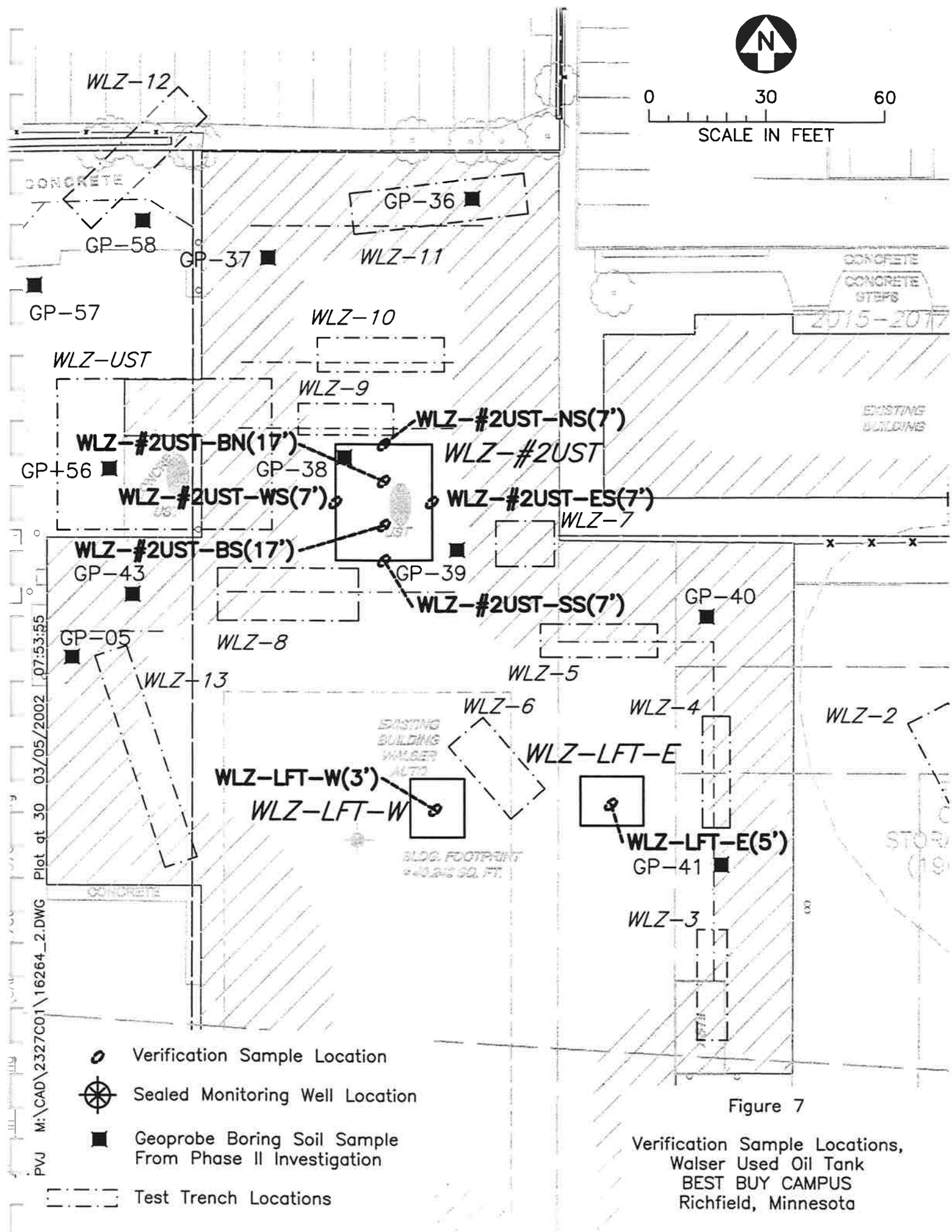


Figure 6
 Verification Sample Location,
 ASAP Mailing Excavation
 BEST BUY CAMPUS
 Richfield, Minnesota

- Verification Sample Location
- ⊗ Sealed Monitoring Well Location
- ⊕ Geoprobe Boring Groundwater Sample Location Phase II Investigation
- - - Test Trench Locations



0 30 60
SCALE IN FEET

PVJ M:\CAD\2327C01\16264_2.DWG Plot at 30 03/05/2002 07:53:55

-  Verification Sample Location
-  Sealed Monitoring Well Location
-  Geoprobe Boring Soil Sample From Phase II Investigation
-  Test Trench Locations

Figure 7

Verification Sample Locations,
Walser Used Oil Tank
BEST BUY CAMPUS
Richfield, Minnesota

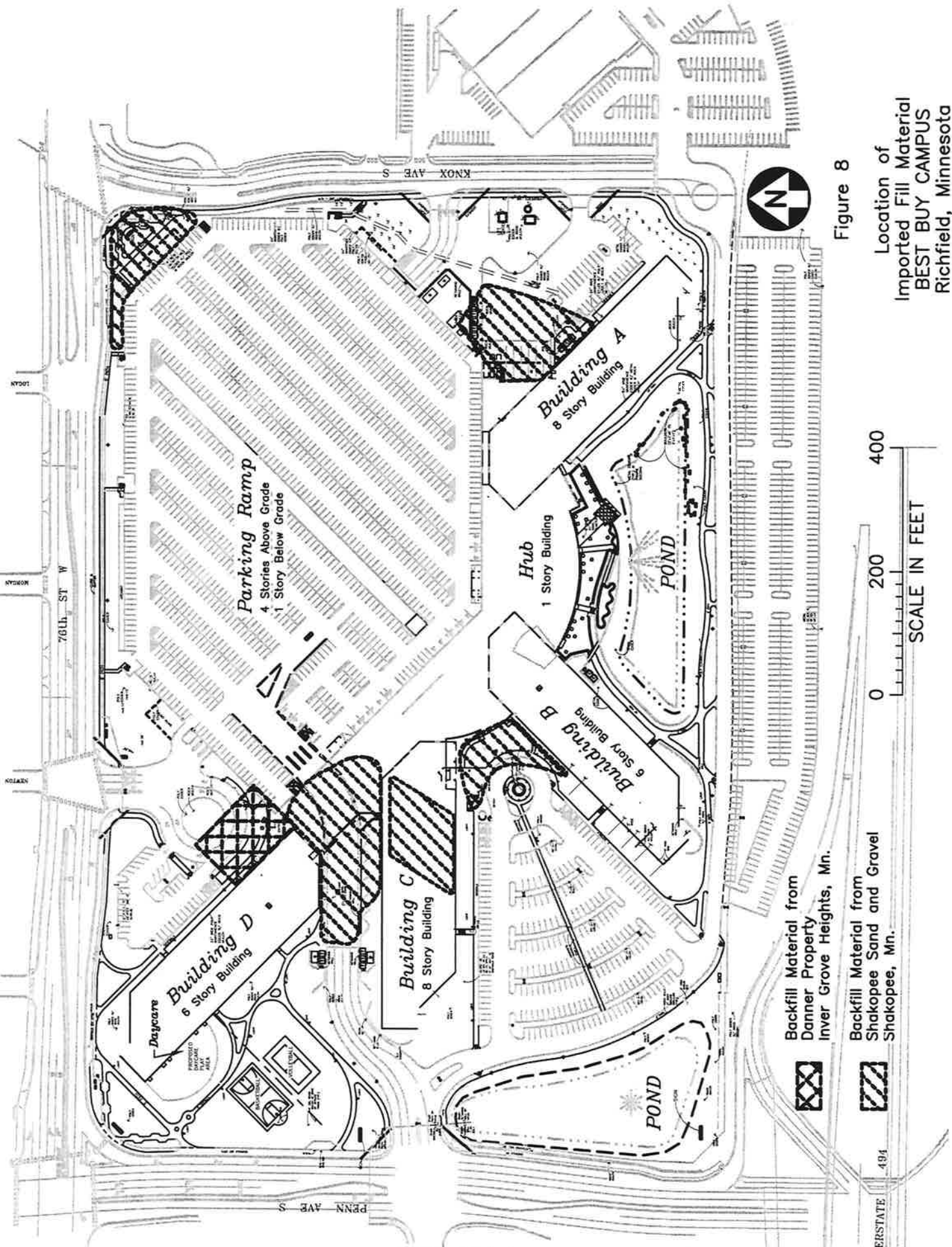
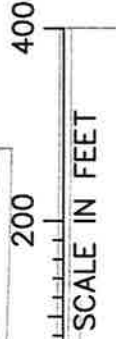


Figure 8

Location of Imported Fill Material BEST BUY CAMPUS Richfield, Minnesota



Backfill Material from Danner Property Inver Grove Heights, Mn.

Backfill Material from Shakopee Sand and Gravel Shakopee, Mn.





Protecting, maintaining and improving the health of all Minnesotans

March 1, 2002

Mr. Jerry Mullin
Landmark Environmental LLC
2042 West 98th Street
Bloomington, Minnesota 55431

Dear Mr. Mullin:

Subject: Status of Monitoring Well, Minnesota Unique Well Number 610219, Located at 1900 West 78th Street Richfield, Hennepin County

This letter is to inform you that we have reviewed the information you have provided the Minnesota Department of Health (MDH) regarding the excavation of the subject monitoring well. In your letter dated October 22, 2001, you stated that during the excavation for a utility corridor for the future Best Buy Campus, the subject monitoring well was excavated. The Opus foreman in charge of the excavation stated the depth of the excavation was 25 feet and that the well fell into the excavation.

Minnesota Rules, Part 4725.3850, requires that a well must be sealed by a licensed or registered contractor. The Well and Boring Sealing Record is the official record of proper sealing. Excavation of a well by an individual or party that is not licensed or registered is a violation of Minnesota Rules, Chapter 4725, and may be subject to administrative penalties. However, in certain instances the MDH has accepted documentation, such as contractor work records, showing that the well was properly sealed or excavated.

Based on the information that you have provided, the MDH will consider the subject well sealed and our records will be changed to reflect this determination. However, should additional information become available, the MDH reserves the right to rescind this determination.

If you have any questions regarding this matter, I may be reached at 651/215-0813.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark E. Hoffman", written in a cursive style.

Mark E. Hoffman, PG
Well Management Section
Environmental Health Division
P.O. Box 64975
St. Paul, MN 55164-0975

ECS:MEF:dg

WELL OR BORING LOCATION
County Name
Hennepin

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
Minnesota Statutes, Chapter 103J

Minnesota Well and Boring
Sealing No.
Minnesota Unique Well No.
or W-series No.
(Leave blank if not known)

H **177580**

Township Name | Township No | Range No | Section No | Fraction (S → N) | Date Sealed | Date Well or Boring Constructed
Richfield | **28** | **24** | **33** | **SW SW SW** | **June 19, 2001** | **1958**

Numerical Street Address or Fire Number and City of Well or Boring Location
2101 77th St. W., Richfield

Depth Before Sealing **66** ft | Original Depth **66** ft

Show exact location of well or boring in section grid with "X"

Sketch map of well or boring location, showing property lines, roads and buildings

AQUIFER(S)
 Single Aquifer | Multi-aquifer

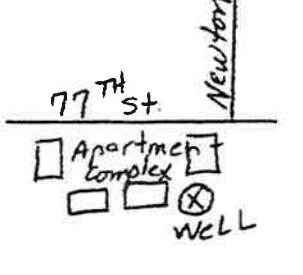
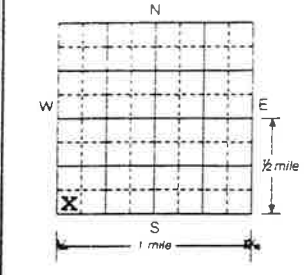
STATIC WATER LEVEL
 Measured | Estimated

WELL/BORING
 Water Supply Well | Monitor Well
 Env. Bore Hole | Other

27 ft | below | above land surface

CASING TYPE(S)
 Steel | Plastic | Tile | Other

CASING(S)
Diameter | Depth | Set in oversized hole? | Annular space initially grouted?
7 in from **0** to **61** ft | Yes | No | Yes | No | Unknown



PROPERTY OWNER'S NAME
Best Buy Co.

Property owner's mailing address if different than well location address indicated above
**7075 Flying Cloud Dr.
Eden Prairie, MN 55344**

SCREEN/OPEN HOLE
Screen from **61** to **66** ft | Open Hole from _____ to _____ ft

WELL OWNER'S NAME

Well owner's mailing address if different than property owner's address indicated above

OBSTRUCTIONS
 Rods/Drop Pipe | Check Valve(s) | Debris | Fill | No Obstruction

Type of Obstruction: (Describe) _____
Obstructions removed? Yes | No | Describe _____

PUMP
Type **Submersible w/2" Drop Pipe**
 Removed | Not Present | Other

GEOLOGICAL MATERIAL | COLOR | HARDNESS OF FORMATION | FROM | TO

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	66

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:

No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal
_____ in from _____ to _____ ft | Perforated | Removed
_____ in from _____ to _____ ft | Perforated | Removed
Type of perforation _____
 Other

GROUTING MATERIAL(S): (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
Grouting Material **Neat Cement** from **3** to **66** ft | _____ yards | **15** bags
_____ from _____ ft | _____ yards | _____ bags
_____ from _____ ft | _____ yards | _____ bags
_____ from _____ ft | _____ yards | _____ bags

REMARKS SOURCE OF DATA, DIFFICULTIES IN SEALING

Building is being demolished.

SEALER'S BUSINESS BORING
 Licensed or Registered Contractor Certification

By well/sealing contractor (Sealer) and/or Sealer with Well and Boring Sealers License No. _____

Keys Well Drilling Company | License or Registration No. **62012**
[Signature] | **7/17/01**
Authorized Representative Signature | Date

JOB #2001069
H177580

Dave Kraushaar
Name of Person Sealing Well or Boring

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
 Minnesota Statutes Chapter 1031

Minnesota Well and Boring Sealing No. **H 177589**
 Minnesota Unique Well No. or W-series No. _____
(Leave blank if not known)

WELL OR BORING LOCATION
 County Name
Hennepin

Township Name **Richfield** Township No. **28** Range No. **24** Section No. **33** Fraction (SW SE NW NE) **SW SE SW**

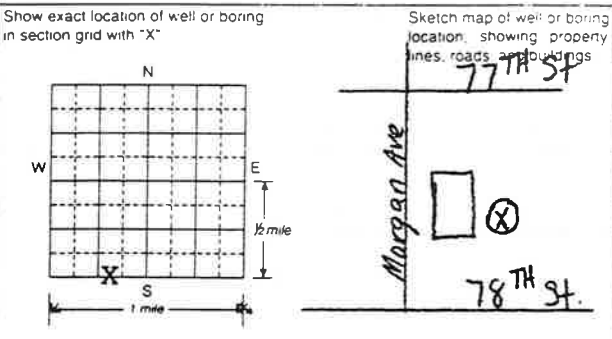
Date Sealed
June 19, 2001

Date Well or Boring Constructed
1960

Numerical Street Address or Fire Number and City of Well or Boring Location
7725 Morgan Ave. S., Richfield

Depth Before Sealing **120** ft Original Depth **120** ft

STATIC WATER LEVEL
 Measured Estimated
37 ft below above land surface



AQUIFER(S)
 Single Aquifer Multiaquifer
 WELLBORING
 Water Supply Well Monit. Well
 Env. Bore Hole Other _____

CASING TYPE(S)
 Steel Plastic Tile Other _____

PROPERTY OWNER'S NAME
Best Buy Co
 Property owner's mailing address if different than well location address indicated above
**7075 Flying Cloud Dr.
 Eden Prairie, MN 55344**

CASING(S)
 Diameter **4** in from **0** to **116** ft Set in oversized hole? Yes No
 Annular space initially grouted? Yes No Unknown

WELL OWNER'S NAME
 Well owner's mailing address if different than property owner's address indicated above

SCREEN/OPEN HOLE
 Screen from **116** to **120** ft Open Hole from _____ to _____ ft

OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction
 Type of Obstructions (Describe) _____
 Obstructions removed? Yes No Describe _____

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	120

PUMP
 Type **Submersible**
 Removed Not Present Other _____

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
 No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal
 _____ in from _____ to _____ ft Perforated Removed
 _____ in from _____ to _____ ft Perforated Removed
 Type of perforator: _____
 Other _____

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
 Grouting Material **Neat Cement** from **2** to **120** ft **15** bags

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING
House is being demolished.

Keys Well Drilling Company
 Authorized Representative Signature *[Signature]*
Dave Kraushaar
 Name of Person Sealing Well or Boring
 Date **6/29/01**

JOB #2001069

H 177589

WELL AND BORING SEALING RECORD

Minnesota Statutes, Chapter 103I

Minnesota Well and Boring Sealing No. Minnesota Unique Well No. or W-series No. (Leave blank if not shown)

H 177555

WELL OR BORING LOCATION
County Name: Hennepin

Township Name: Richfield, Township No.: 28, Range No.: 24, Section No.: 33, Fraction: NE SW SW

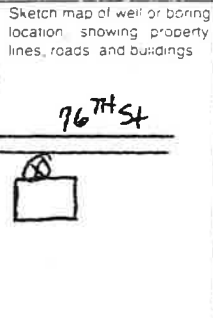
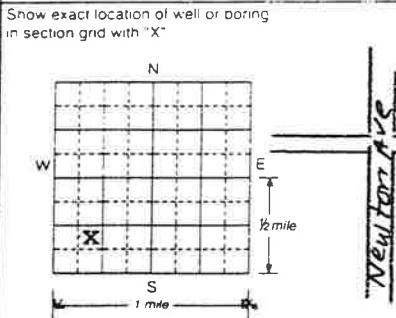
Date Sealed: June 27, 2001

Date Well or Boring Constructed: 1960

Numerical Street Address or Fire Number and City of Well or Boring Location: 7601 Newton Ave. S., Richfield

Depth Before Sealing: 39 ft

Original Depth: 39 ft



AQUIFER(S)
Single Aquifer: [X] Multi-aquifer: []

STATIC WATER LEVEL
Measured: [X] Estimated: []

WELL/BORING
Water Supply Well: [X] Monit. Well: []
Env. Bore Hole: [] Other: []

22 ft below [X] above land surface []

CASING TYPE(S)
Steel: [X] Plastic: [] Tile: [] Other: []

Table with columns: Diameter, Depth, Set in oversize hole?, Annular space initially grouted?
Row 1: 2 in, 0 to 35 ft, No, Yes, No, Unknown

PROPERTY OWNER'S NAME: Best Buy Co

Property owner's mailing address: 7075 Flying Cloud Dr. Eden Prairie, MN 55344

SCREEN/OPEN HOLE
Screen from: 35 to 39 ft, Open Hole from: [] to []

WELL OWNER'S NAME

Well owner's mailing address if different than property owner's address indicated above

OBSTRUCTIONS
Rods/Drop Pipe: [] Check Valve(s): [] Debris: [] Fill: [] No Obstruction: [X]

Type of Obstruction (Describe):
Obstructions removed? Yes [] No [] Describe: []

PUMP
Type: Jet w/ 1" pipe
Removed: [X] Not Present: [] Other: []

Table with columns: GEOLOGICAL MATERIAL, COLOR, HARDNESS OF FORMATION, FROM, TO

Table with columns: GEOLOGICAL MATERIAL, COLOR, HARDNESS OF FORMATION, FROM, TO
Row 1: Drift, [], [], 0, 39

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:

No Annular Space Exists: [X]
Annular space grouted with tremie pipe: []
Casing Perforation/Removal: []

GROUTING MATERIAL(S)
(One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
Grouting Material: Neat Cement from 0 to 39 ft, 1.5 bags

REMARKS: SOURCE OF DATA, DIFFICULTIES IN SEALING

OTHER WELLS AND BORINGS

LICENSED OR REGISTERED CONTRACTOR CERTIFICATION

This well or boring was sealed in full accordance with Minnesota Rules, Chapter 103I. The information contained in this report is true to the best of my knowledge.

House is being demolished.

Keys Well Drilling Company License or Registration No: 62012

Authorized Representative Signature: [Signature] Date: 6/29/01

JOB #2001069 #177555

Name of Person Sealing Well or Boring: Dave Kraushaar

WELL OR BORING LOCATION
County Name
Hennepin

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
Minnesota Statutes, Chapter 103I

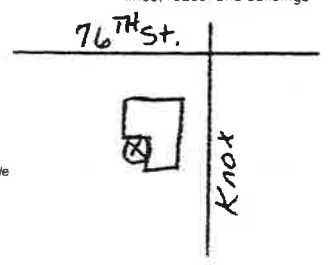
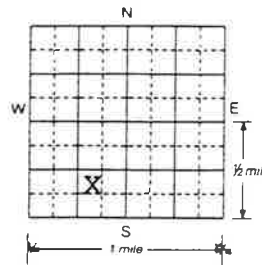
Minnesota Well and Boring Sealing No.
Minnesota Unique Well No. or W-series No.
(Leave blank if not known)

H **163645**

Township Name **Richfield** Township No **28** Range No **24** Section No **33** Fraction (sm. → lg.) **NW SE SW** Date Sealed **June 8, 2001** Date Well or Boring Constructed **1960**

Numerical Street Address or Fire Number and City of Well or Boring Location
7608 Knox Ave. S., Richfield

Show exact location of well or boring in section grid with "X"
Sketch map of well or boring location, showing property lines, roads, and buildings



Depth Before Sealing **65** ft Original Depth **65** ft

AQUIFER(S)
 Single Aquifer Multiaquifer
WELL/BORING
 Water Supply Well Monit. Well
 Env. Bore Hole Other _____
STATIC WATER LEVEL
 Measured Estimated
28 ft below above land surface

CASING TYPE(S)
 Steel Plastic Tile Other _____

CASING(S)
Diameter **4** in from **0** to **60** ft Set in oversize hole? Yes No Annular space initially grouted? Yes No Unknown
_____ in from _____ to _____ ft Yes No Yes No Unknown
_____ in from _____ to _____ ft Yes No Yes No Unknown

PROPERTY OWNER'S NAME
Best Buy Co.

Property owner's mailing address if different than well location address indicated above
**7075 Flying Cloud Dr.
Eden Prairie, MN 55344**

SCREEN/OPEN HOLE
Screen from **60** to **65** ft Open Hole from _____ to _____ ft

WELL OWNER'S NAME

Well owner's mailing address if different than property owner's address indicated above

OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction
Type of Obstructions (Describe) _____
Obstructions removed? Yes No Describe _____

PUMP
Type **Submersible w/ 1-1/4" Pipe**
 Removed Not Present Other _____

GEOLOGICAL MATERIAL **COLOR** **HARDNESS OF FORMATION** **FROM** **TO**
If not known, indicate estimated formation log from nearby well or boring.

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	65

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
 No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal
_____ in from _____ to _____ ft Perforated Removed
_____ in from _____ to _____ ft Perforated Removed
Type of perforator _____
 Other _____

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
Grouting Material **Neat Cement** from **0** to **65** ft _____ yards **6** bags
_____ from _____ to _____ ft _____ yards _____ bags
_____ from _____ to _____ ft _____ yards _____ bags
_____ from _____ to _____ ft _____ yards _____ bags

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING

- Building is being demolished.
- (2) Wells were sealed on property.

JOB #2001069

OTHER WELLS AND BORINGS
Other unsealed and unused well or boring on property? Yes No How many? _____

LICENSED OR REGISTERED CONTRACTOR CERTIFICATION

This well or boring was sealed in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

Keys Well Drilling Company **62012**
Contractor Business Name License or Registration No.
[Signature] **7/7/01**
Authorized Representative Signature Date
Dave Kraushaar
Name of Person Sealing Well or Boring

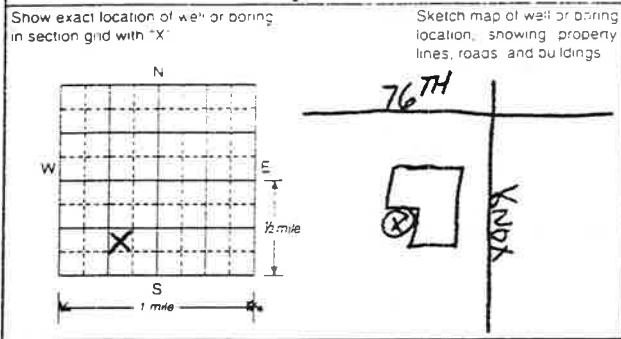
H **163645**

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
 Minnesota Statutes Chapter 1031

Minnesota Well and Boring Sealing No. **H 177587**
 Minnesota Unique Well No. or W-series No.
(Leave blank if not known)

WELL OR BORING LOCATION
 County Name: **Hennepin**
 Township Name: **Richfield** Township No: **28** Range No: **24** Section No: **33** Fraction (S, T, R): **NW SE SW**

Numerical Street Address or Fire Number and City of Well or Boring Location:
7608 Knox Ave. S., Richfield



Date Sealed: **July 27, 2001** Date Well or Boring Constructed: **1955**

Depth Before Sealing: **35** ft Original Depth: **35** ft

AQUIFER(S)
 Single Aquifer Multi-aquifer
WELL/BORING
 Water Supply Well Monit. Well
 Env. Bore Hole Other _____
STATIC WATER LEVEL
 Measured Estimated
2 ft below above land surface

CASING TYPE(S)
 Steel Plastic Tile Other _____

CASING(S)
 Diameter: **2** in from **0** to **31** ft Set in oversize hole? Yes No Annular space initially grouted? Yes No Unknown
 _____ in from _____ to _____ ft Yes No Yes No Unknown
 _____ in from _____ to _____ ft Yes No Yes No Unknown

PROPERTY OWNER'S NAME
Best Buy Co.
 Property owner's mailing address if different than well location address indicated above:
**7075 Flying Cloud Dr.
 Eden Prairie, MN 55344**

SCREEN/OPEN HOLE
 Screen from **31** to **35** ft Open Hole from _____ to _____ ft

WELL OWNER'S NAME
 Well owner's mailing address if different than property owner's address indicated above:

OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction
 Type of Obstructions (Describe) _____
 Obstructions removed? Yes No Describe _____

PUMP
 Type _____
 Removed No: Present Other _____

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	35

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
 No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal
 _____ in from _____ to _____ ft Perforated Removed
 _____ in from _____ to _____ ft Perforated Removed
 Type of perforator _____
 Other _____

GROUTING MATERIAL(S): (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
 Grouting Material: **Neat Cement** from **0** to **35** ft _____ yards **2** bags
 _____ from _____ to _____ ft _____ yards _____ bags
 _____ from _____ to _____ ft _____ yards _____ bags
 _____ from _____ to _____ ft _____ yards _____ bags

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING:
**(2) Wells were sealed on property.
 Building is being demolished.**

SEALER'S WELL AND BORING SEALING CONTRACTOR CERTIFICATION
 I hereby certify that the information furnished on this report is true to the best of my knowledge.
Keys Well Drilling Company License or Registration No. **62012**
 Authorized Representative Signature: *[Signature]* Date: **7/27/01**
Dave Kraushaar

JOB #2001069
H 177587

WELL OR BORING LOCATION
County Name
Hennepin

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
Minnesota Statutes Chapter 103

Minnesota Well and Boring
Sealing No.
Minnesota Unique Well No.
or W-series No.
(Leave blank if not known)

H **177559**

Township Name: **Richfield** Township No: **28** Range No: **24** Section No: **33** Fraction: **NE-SW-SW**

Date Sealed: **June 12, 2001**

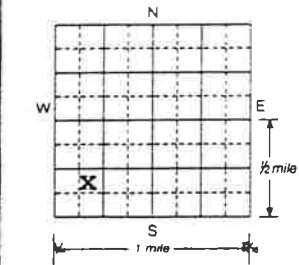
Date Well or Boring Constructed: **1960**

Numerical Street Address or Fire Number and City of Well or Boring Location:
7624 Morgan Ave. S., Richfield

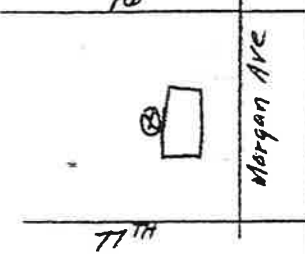
Depth Before Sealing: **38** ft

Original Depth: **38** ft

Show exact location of well or boring in section grid with "X"



Sketch map of well or boring location showing property lines, roads, and buildings.



AQUIFER(S)
 Single Aquifer Multi-aquifer

STATIC WATER LEVEL
 Measured Estimated

WELL/BORING
 Water Supply Well Monitor Well
 Env. Bore Hole Other

18 ft below above land surface

CASING TYPE(S)
 Steel Plastic Tile Other

CASING(S)
Diameter Depth Set in oversize hole? Annular space initially grouted?
2 in from **0** to **34** ft Yes No Yes No Unknown
_____ in from _____ to _____ ft Yes No Yes No Unknown
_____ in from _____ to _____ ft Yes No Yes No Unknown

PROPERTY OWNER'S NAME
Best Buy Co

Property owner's mailing address if different than well location address indicated above:
**7075 Flying Cloud Dr.
Eden Prairie, MN 55344**

SCREEN/OPEN HOLE
Screen from **34** to **38** ft Open Hole from _____ to _____ ft

WELL OWNER'S NAME

Well owner's mailing address if different than property owner's address indicated above

OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction

Type of Obstructions (Describe) _____
Obstructions removed? Yes No Describe _____

PUMP
Type **Jet w/ 1" pipe**
 Removed Not Present Other

GEOLOGICAL MATERIAL COLOR HARDNESS OF FORMATION FROM TO
If not known, indicate estimated formation log from nearby well or boring.

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			00	38

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
 No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal
_____ in. from _____ to _____ ft Perforated Removed
_____ in. from _____ to _____ ft Perforated Removed
Type of perforator _____
 Other _____

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
Grouting Material **Neat Cement** from **0** to **38** yards **1.5** bags
_____ yards _____ bags
_____ yards _____ bags
_____ yards _____ bags

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING

WHEN SEALING BORING

LICENSED OR REGISTERED CONTRACTOR CERTIFICATION

The information contained in this report is true to the best of my knowledge.

House is being demolished.

Keys Well Drilling Company
Contractor Business Name

62012
License or Registration No.

Authorized Representative Signature
Dave Kraushaar

6/29/01
Date

JOB #2001069

Dave Kraushaar
Name of Person Sealing Well or Boring

H **177559**

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
 Minnesota Statutes, Chapter 1031

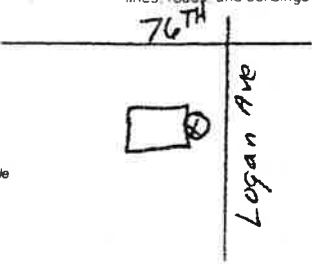
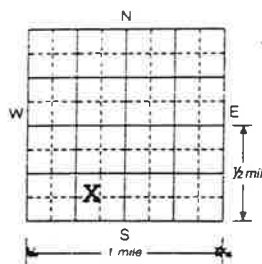
Minnesota Well and Boring Sealing No. H **177565**
 Minnesota Unique Well No. or W-series No.
(Leave blank if not known)

WELL OR BORING LOCATION
 County Name
Hennepin

Township Name: **Richfield** Township No: **28** Range No: **24** Section No: **33** Fraction (S, E, N, W): **NW SE SW** Date Sealed: **June 12, 2001** Date Well or Boring Constructed: **1960**

Numerical Street Address or Fire Number and City of Well or Boring Location
7620 Logan Ave. S., Richfield

Show exact location of well or boring in section grid with "X"
 Sketch map of well or boring location, showing property lines, roads, and buildings



Depth Before Sealing: **39** ft Original Depth: **39**

AQUIFER(S)
 Single Aquifer Multi-aquifer

WELL/BORING
 Water Supply Well Monit. Well
 Env. Bore Hole Other _____
 STATIC WATER LEVEL
 Measured Estimated
18 ft below above land surface

CASING TYPE(S)
 Steel Plastic Tile Other _____

CASING(S)
 Diameter _____ Depth _____ Set in oversize hole? Yes No Annular space initially grouted? Yes No Unknown
2 in from **0** to **35** ft Yes No Yes No Unknown
 _____ in from _____ to _____ ft Yes No Yes No Unknown
 _____ in from _____ to _____ ft Yes No Yes No Unknown

PROPERTY OWNER'S NAME
Best Buy Co

Property owner's mailing address if different than well location address indicated above

**7075 Flying Cloud Dr
 Eden Prairie, MN 55344**

SCREEN/OPEN HOLE
 Screen from **35** to **39** ft Open Hole from _____ to _____ ft

OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fil No Obstruction
 Type of Obstructions (Describe) _____
 Obstructions removed? Yes No Describe _____

WELL OWNER'S NAME

Well owner's mailing address if different than property owner's address indicated above

PUMP
 Type **Jet w/ 1-1/4" Pipe**
 Removed Not Present Other _____

GEOLOGICAL MATERIAL COLOR HARDNESS OF FORMATION FROM TO

If not known, indicate estimated formation log from nearby well or boring

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	39

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:

No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal
 _____ in from _____ to _____ ft Perforated Removed
 _____ in from _____ to _____ ft Perforated Removed
 Type of perforator _____
 Other _____

GROUTING MATERIAL(S): (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.):

Grouting Material: **Neat Cement** from **0** to **39** ft _____ bags **1.5** bags
 _____ bags _____ bags _____ bags _____ bags

REMARKS SOURCE OF DATA DIFFICULTIES IN SEALING

House is being demolished.

OTHER WELLS AND BORINGS

LICENSED OR REGISTERED CONTRACTOR IDENTIFICATION

This well or boring was sealed in accordance with Minnesota Statutes, Chapter 1031, to the best of my knowledge.

Keys Well Drilling Company **62012**
 Contractor Business Name Registration No.
 Authorized Representative Signature **6/29/01**
 Date

Dave Kraushaar
 Name of Person Sealing Well or Boring

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
 Minnesota Statutes, Chapter 103I

Minnesota Well and Boring Sealing No. **H 177566**
 Minnesota Unique Well No. or W-series No.
 (Leave blank if not known)

WELL OR BORING LOCATION
 County Name
Hennepin

Township Name **Richfield** Township No. **28** Range No. **24** Section No. **33** Fraction (sm. → lg.) **NW SE SW**

Date Sealed **June 12, 2001**

Date Well or Boring Constructed **1960**

Numerical Street Address or Fire Number and City of Well or Boring Location
7626 Logan Ave. S., Richfield

Depth Before Sealing **38** ft Original Depth **38** ft

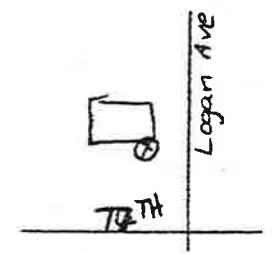
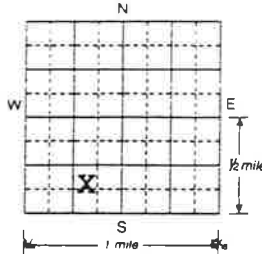
AQUIFER(S)
 Single Aquifer Multi-aquifer

Show exact location of well or boring in section grid with "X"

Sketch map of well or boring location showing property lines, roads and buildings

WELL/BORING
 Water Supply Well Monit. Well
 Env. Bore Hole Other _____

STATIC WATER LEVEL
 Measured Estimated



18 ft below above land surface

PROPERTY OWNER'S NAME
Best Buy Co

CASING TYPE(S)
 Steel Plastic Tile Other _____

Property owner's mailing address if different than well location address indicated above
**7075 Flying Cloud Dr
 Eden Prairie, MN 55344**

CASING(S)
 Diameter _____ Depth _____ Set in oversize hole? Yes No Annular space initially grouted? Yes No Unknown
 _____ in from _____ to _____ ft Yes No Yes No Unknown
 _____ in from _____ to _____ ft Yes No Yes No Unknown

WELL OWNER'S NAME

SCREEN/OPEN HOLE
 Screen from **34** to **38** ft. Open Hole from _____ to _____ ft

Well owner's mailing address if different than property owner's address indicated above

OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction

Type of Obstructions (Describe) _____
 Obstructions removed? Yes No Describe _____

GEOLOGICAL MATERIAL

PUMP
 Type **Jet w/ 1-1/4" Pipe**

Color _____ Hardness of Formation _____ From _____ To _____

Removed Not Present Other _____

Drift _____ _____ _____ **0** **38**

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
 No Annular Space Exists

_____ _____ _____ _____

Annular space grouted with tremie pipe
 Casing Perforation/Removal

_____ _____ _____ _____

_____ in from _____ to _____ ft. Perforated Removed
 _____ in from _____ to _____ ft. Perforated Removed

_____ _____ _____ _____

Type of perforator _____
 Other _____

_____ _____ _____ _____

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)

_____ _____ _____ _____

Grouting Material **Neat Cement** from **0** to **38** ft. _____ bags _____ bags

_____ _____ _____ _____

_____ from _____ to _____ ft. _____ bags _____ bags

_____ _____ _____ _____

_____ from _____ to _____ ft. _____ bags _____ bags

_____ _____ _____ _____

_____ from _____ to _____ ft. _____ bags _____ bags

_____ _____ _____ _____

OTHER WELLS AND BORINGS _____

_____ _____ _____ _____

_____ _____

_____ _____ _____ _____

LICENSED OF REGISTERED CONTRACTOR CERTIFICATION _____

_____ _____ _____ _____

_____ **Keys Well Drilling Company** _____ **62012**

_____ _____ _____ _____

Contractor Business Name _____ License or Registration No. _____
 Authorized Representative Signature _____ Date **6/29/01**

_____ _____ _____ _____

Name of Person Sealing Well or Boring **Dave Kraushaar**

JOB #2001069
H 177566

_____ _____ _____ _____

House is being demolished.

JOB #2001069
H 177566

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
 Minnesota Statutes Chapter 1031

Minnesota Well and Boring Sealing No. _____
 Minnesota Unique Well No. or W-series No. _____
Leave blank if not known

H **177567**

WELL OR BORING LOCATION
 County Name: **Hennepin**

Township Name: **Richfield** Township No: **28** Range No: **24** Section No: **33** Fraction: **NE SE SW**

Date Sealed: **June 12, 2001**

Date Well or Boring Constructed: **1960**

Numerical Street Address or Fire Number and City of Well or Boring Location:
7632 Logan Ave. S., Richfield

Depth Before Sealing: **39** ft

Original Depth: **39** ft

Show exact location of well or boring in section grid with "X"

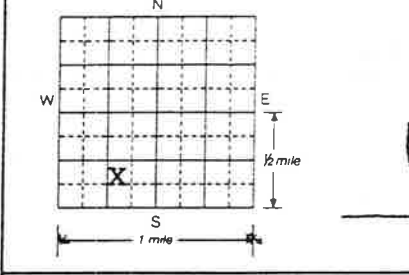
Sketch map of well or boring location showing property lines, roads and buildings

AQUIFER(S)
 Single Aquifer Multi-aquifer

STATIC WATER LEVEL
 Measured Estimated

WELL/BORING
 Water Supply Well Monit. Well
 Env. Bore Hole Other _____

19 ft below above land surface



PROPERTY OWNER'S NAME: **Best Buy Co**

CASING TYPE(S)
 Steel Plastic Tile Other _____

CASING(S)
 Diameter: **2** in from **0** to **35** ft
 Depth: _____ in from _____ to _____ ft
 Set in oversize hole? Yes No
 Annular space initially grouted? Yes No Unknown

SCREEN/OPEN HOLE
 Screen from **35** to **39** ft. Open Hole from _____ to _____ ft

Property owner's mailing address if different than well location address indicated above:
**7075 Flying Cloud Dr
 Eden Prairie, MN 55344**

OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction

WELL OWNER'S NAME

Type of Obstructions (Describe): _____

Well owner's mailing address if different than property owner's address indicated above

Obstructions removed? Yes No Describe: _____

PUMP
 Type: **Jet w/ 1-1/4" Pipe**

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	39

Removed Not Present Other _____

If not known, indicate estimated formation log from nearby well or boring

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
 No Annular Space Exists

_____ in. from _____ to _____ ft

Annular space grouted with tremie pipe
 Casing Perforation/Removal

_____ in. from _____ to _____ ft

Perforated Removed

_____ in. from _____ to _____ ft

Perforated Removed

_____ in. from _____ to _____ ft

Type of perforator: _____
 Other _____

_____ in. from _____ to _____ ft

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)

_____ in. from _____ to _____ ft

Grouting Material: **Neat Cement** from **0** to **39** ft. **2** bags

_____ in. from _____ to _____ ft

_____ bags

_____ in. from _____ to _____ ft

_____ bags

_____ in. from _____ to _____ ft

_____ bags

_____ in. from _____ to _____ ft

_____ bags

_____ in. from _____ to _____ ft

_____ bags

_____ in. from _____ to _____ ft

_____ bags

_____ in. from _____ to _____ ft

_____ bags

_____ in. from _____ to _____ ft

_____ bags

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING:
House is being demolished.

OTHER WELLS AND BORING:

LICENSED OR REGISTERED CONTRACTOR CERTIFICATION:
 I, **Keys Well Drilling Company**, hereby certify that the information furnished in this report is true to the best of my knowledge.
 Contractor Business Name: _____ License or Registration No: **62012**
 Authorized Representative Signature: *[Signature]* Date: **6/29/01**
 Name of Person Sealing Well or Boring: **Dave Kraushaar**

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
 Minnesota Statutes Chapter 103J

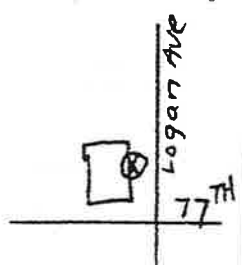
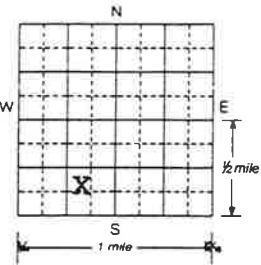
Minnesota Well and Boring
 Sealing No. H **177568**
 Minnesota Unique Well No.
 or W-series No.
(Leave blank if not known)

WELL OR BORING LOCATION
 County Name
Hennepin

Township Name: **Richfield** Township No: **28** Range No: **24** Section No: **33** Fraction (NW, SE, SW, NE): **NW SE SW** Date Sealed: **June 12, 2001** Date Well or Boring Constructed: **1960**

Numerical Street Address or Fire Number and City of Well or Boring Location
7644 Logan Ave. S., Richfield

Show exact location of well or boring in section grid with "X"
 Sketch map of well or boring location showing property lines, roads, and buildings



Depth Before Sealing: **36** ft Original Depth: **36** ft

AQUIFER(S)
 Single Aquifer Multi-aquifer

WELL/BORING
 Water Supply Well Monitor Well
 Env. Bore Hole Other _____

STATIC WATER LEVEL
 Measured Estimated
20 ft below above land surface

CASING TYPE(S)
 Steel Plastic Tile Other _____

CASING(S)

Diameter	Depth	Set in oversize hole?	Annular space initially grouted?
2 in	from 0 to 32 ft	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
_____ in	from _____ to _____ ft	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
_____ in	from _____ to _____ ft	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown

PROPERTY OWNER'S NAME
Best Buy Co

Property owner's mailing address if different than well location address indicated above
**7075 Flying Cloud Dr.
 Eden Prairie, MN 55344**

SCREEN/OPEN HOLE
 Screen from **32** to **36** ft Open Hole from _____ to _____ ft

OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction

Type of Obstructions (Describe) _____

Obstructions removed? Yes No Describe _____

PUMP
 Type _____
 Removed Not Present Other _____

WELL OWNER'S NAME

Well owner's mailing address if different than property owner's address indicated above

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:

No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal

_____ in from _____ to _____ ft Perforated Removed
 _____ in from _____ to _____ ft Perforated Removed

Type of perforator: _____

Other _____

GEOLOGICAL MATERIAL **COLOR** **HARDNESS OF FORMATION** **FROM** **TO**

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	36

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)

Grouting Material: **Neat Cement** from **0** to **36** ft **1.5** bags

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING

House is being demolished.

LICENSED OR REGISTERED CONTRACTOR CERTIFICATION
 This well is being sealed in accordance with the requirements of Minnesota Statutes, Chapter 103J, true to the best of my knowledge.

Keys Well Drilling Company
 Authorized Representative Signature: *[Signature]*
 License No: **62012**
 Date: **6/29/01**

JOB #2001069
H177568

Dave Kraushaar
 Name of Person Sealing Well or Boring

WELL OR BORING LOCATION
County Name
Hennepin

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
Minnesota Statutes, Chapter 1031

Minnesota Well and Boring Sealing No. **H 177554**
Minnesota Unique Well No. or W-series No.
(Leave Blank if not known)

Township Name
Richfield

Township No
28

Range No
24

Section No
33

Fraction (S → E)
NW SW SW

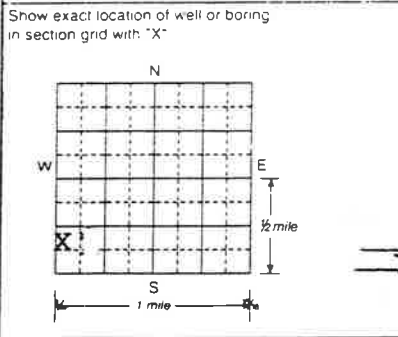
Date Sealed
June 13, 2001

Date Well or Boring Constructed
1960

Numerical Street Address or Fire Number and City of Well or Boring Location
7644 Newton Ave. S., Richfield

Depth Before Sealing **38** ft

Original Depth **38** ft



Sketch map of well or boring location showing property lines, roads and buildings

AQUIFER(S)
 Single Aquifer Multi-aquifer

STATIC WATER LEVEL
 Measured Estimated

WELL/BORING
 Water Supply Well Monit. Well
 Env. Bore Hole Other

18 ft below above land surface

CASING TYPE(S)
 Steel Plastic Tile Other

CASING(S)
Diameter Depth Set in oversize hole? Annular space initially grouted?

Diameter	Depth	Set in oversize hole?	Annular space initially grouted?
2 in. from 0 to 34 ft		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
_____ in. from _____ to _____ ft		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
_____ in. from _____ to _____ ft		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown

PROPERTY OWNER'S NAME
Best Buy Co

Property owner's mailing address if different than well location address indicated above
**7075 Flying Cloud Dr.
Eden Prairie, MN 55344**

SCREEN/OPEN HOLE
Screen from **34** to **38** ft. Open Hole from _____ to _____ ft.

WELL OWNER'S NAME

Well owner's mailing address if different than property owner's address indicated above

OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction

Type of Obstructions (Describe) _____
Obstructions removed? Yes No Describe _____

PUMP
Type **Jet w/ 1" pipe**
 Removed Not Present Other

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	38

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
 No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal
_____ in. from _____ to _____ ft. Perforated Removed
_____ in. from _____ to _____ ft. Perforated Removed
Type of perforator _____
 Other _____

If not known, indicate estimated formation log from nearby well or boring

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
Grouting Material **Neat Cement** from **0** to **38** ft. _____ yards **1.5** bags
_____ from _____ to _____ ft. _____ yards _____ bags
_____ from _____ to _____ ft. _____ yards _____ bags
_____ from _____ to _____ ft. _____ yards _____ bags

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING

OTHER WELLS AND BORINGS

Remarks: **House is being demolished.**

LICENSED OR REGISTERED CONTRACTOR CERTIFICATION
I, the undersigned, as contractor, hereby certify that the information furnished on this form is true and correct to the best of my knowledge.

JOB #2001069

Keys Well Drilling Company
Contractor Business Name
62012
License or Registration No.
6/29/01
Date
Dave Kraushaar
Authorized Representative Signature

JOB #2001069
177554

Dave Kraushaar
Name of Person Sealing Well or Boring

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
 Minnesota Statutes, Chapter 103

Minnesota Well and Boring Sealing No. _____
 Minnesota Unique Well No. or W-series No. _____
Leave blank if not known.

H **177560**

WELL OR BORING LOCATION
 County Name
Hennepin

Township Name Township No Range No Section No Fraction 1st → 2nd
Richfield 28 24 33 NE SW SW

Date Sealed
June 13, 2001

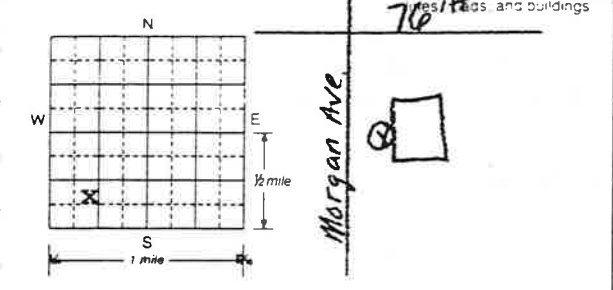
Date Well or Boring Constructed
1960

Numerical Street Address or Fire Number and City of Well or Boring Location
7621 Morgan Ave. S., Richfield

Depth Before Sealing **50** ft

Original Depth **50** ft

Show exact location of well or boring in section grid with 'X'



AQUIFER(S)
 Single Aquifer Multi-aquifer

STATIC WATER LEVEL
 Measured Estimated

WELL/BORING
 Water Supply Well Monit. Well
 Env. Bore Hole Other _____

20 ft below above land surface

CASING TYPE(S)
 Steel Plastic Tile Other _____

CASING(S)

Diameter	Depth	Set in oversized hole?	Annular space initially grouted?
2 in from 0 to 46 ft		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
_____ in from _____ to _____ ft		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
_____ in from _____ to _____ ft		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown

PROPERTY OWNER'S NAME
Best Buy Co
 Property owner's mailing address if different than well location address indicated above
**7075 Flying Cloud Dr.
 Eden Prairie, MN 55344**

SCREEN/OPEN HOLE
 Screen from **46** to **50** ft Open Hole from _____ to _____ ft

OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction
 Type of Obstructions (Describe) _____
 Obstructions removed? Yes No Describe _____

WELL OWNER'S NAME
 Well owner's mailing address if different than property owner's address indicated above

PUMP
 Type **Jet w/ 1" pipe**
 Removed Not Present Other _____

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	50

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
 No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal
 _____ in from _____ to _____ ft Perforated Removed
 _____ in from _____ to _____ ft Perforated Removed
 Type of perforator: _____
 Other _____

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	50

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
 Grouting Material **Neat Cement** from **0** to **50** ft _____ yards **2** bags
 _____ yards _____ bags
 _____ yards _____ bags
 _____ yards _____ bags

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING
House is being demolished.

OTHER WELLS IN NEARBY BOARDS
 YES NO
 LICENSED OR REGISTERED CONTRACTOR UNDER REGULATION
 This well is to be sealed according to the best of my knowledge and belief.
Keys Well Drilling Company License # **62012**
 Contractor Business Name License # Registration
 Authorized Representative Signature *h Keys* Date **6/29/01**
Dave Kraushaar
 Name of Person Sealing Well or Boring

JOB #2001069

H **177560**

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
Minnesota Statutes, Chapter 103

Minnesota Well and Boring Sealing No. **H 177561**
 Minnesota Unique Well No. or W-series No.
 Leave blank if not known.

WELL OR BORING LOCATION
 County Name
Hennepin

Township Name
Richfield

Township No
28

Range No
24

Section No
33

Fraction
NE SW SW

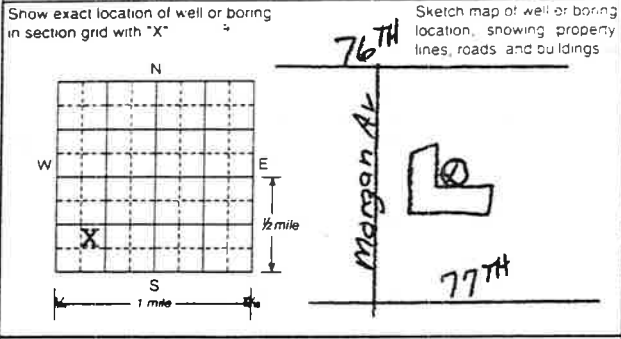
Date Sealed
June 13, 2001

Date Well or Boring Constructed
1960

Numerical Street Address or Fire Number and City of Well or Boring Location
7625 Morgan Ave. S., Richfield

Depth Before Sealing **39** ft

Original Depth **39** ft



AQUIFER(S)
 Single Aquifer Multi-aquifer

STATIC WATER LEVEL
 Measured Estimated

WELL/BORING
 Water Supply Well Monit. Well
 Env. Bore Hole Other _____

21 ft below above land surface

PROPERTY OWNER'S NAME
Best Buy Co

Property owner's mailing address if different than well location address indicated above
**7075 Flying Cloud Dr.
 Eden Prairie, MN 55344**

CASING TYPE(S)
 Steel Plastic Tile Other _____

CASING(S)

Diameter	Depth	Set in oversize hole?	Annular space initially grouted?
2 in from 0 to 35 ft	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
_____ in from _____ to _____ ft	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
_____ in from _____ to _____ ft	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown

SCREEN/OPEN HOLE
 Screen from **35** to **39** ft. Open Hole from _____ to _____ ft

WELL OWNER'S NAME

Well owner's mailing address if different than property owner's address indicated above

OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction

Type of Obstructions (Describe) _____
 Obstructions removed? Yes No Describe _____

PUMP
 Type **Jet w/ 1" pipe**
 Removed Not Present Other _____

GEOLOGICAL MATERIAL COLOR HARDNESS OF FORMATION FROM TO

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:

If not known, indicate estimated formation log from nearby well or boring.

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	39

No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal

_____ in from _____ to _____ ft Perforated Removed
 _____ in from _____ to _____ ft Perforated Removed

Type of perforator: _____
 Other _____

ROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)

Grouting Material **Neat Cement** from **0** to **39** ft _____ yards **1.5** bags
 _____ yards _____ bags
 _____ yards _____ bags
 _____ yards _____ bags

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING
House is being demolished.

JOB #2001069

OTHER WELLS AND BORINGS

LICENSED OR REGISTERED CONTRACTOR IDENTIFICATION
Keys Well Drilling Company License No. **62012**
 Authorized Representative Signature _____ Date **6/29/01**
 Name of Person Sealing Well or Boring, **Dave Kraushaar**

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
 Minnesota Statutes, Chapter 103I

Minnesota Well and Boring Sealing No. **H 177562**
 Minnesota Unique Well No. or W-series No.
(Leave blank if not known)

WELL OR BORING LOCATION
 County Name
Hennepin

Township Name **Richfield** Township No. **28** Range No. **24** Section No. **33** Fraction (S, M, N) (E, W) **NE SW SW**

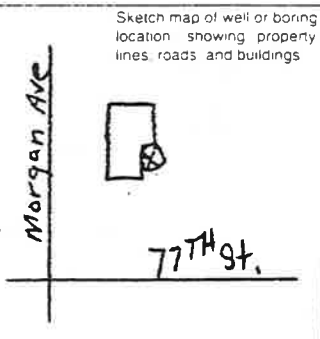
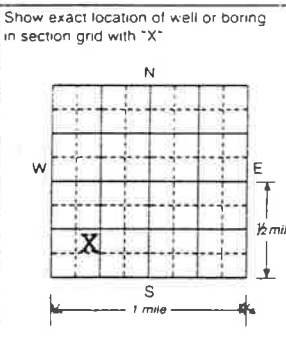
Date Sealed **June 13, 2001**

Date Well or Boring Constructed **1960**

Numerical Street Address or Fire Number and City of Well or Boring Location
7629 Morgan Ave. S., Richfield

Depth Before Sealing **40** Original Depth **40**

STATIC WATER LEVEL
 Measured Estimated
17 ft below above land surface



AQUIFER(S)
 Single Aquifer Multi-aquifer
WELL/BORING
 Water Supply Well Monitor Well
 Env. Bore Hole Other

CASING TYPE(S)
 Steel Plastic Tile Other

PROPERTY OWNER'S NAME
Best Buy Co

CASING(S)
 Diameter **2** in from **0** to **36** ft Set in oversize hole? Yes No
 Annular space initially grouted? Yes No Unknown

Property owner's mailing address if different than well location address indicated above
**7075 Flying Cloud Dr
 Eden Prairie, MN 55344**

SCREEN/OPEN HOLE
 Screen from **36** to **40** ft. Open Hole from _____ to _____ ft.

WELL OWNER'S NAME

OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction
 Type of Obstructions (Describe) _____
 Obstructions removed? Yes No Describe _____

Well owner's mailing address if different than property owner's address indicated above

PUMP
 Type **Jet w/ 1-1/4" drop pipe**
 Removed Not Present Other

GEOLOGICAL MATERIAL COLOR HARDNESS OF FORMATION FROM TO

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
 No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal
 _____ in from _____ to _____ ft Perforated Removed
 _____ in from _____ to _____ ft Perforated Removed
 Type of perforator: _____
 Other _____

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	40

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
 Grouting Material **Neat Cement** from **0** to **40** yards **2** bags
 _____ from _____ to _____ yards _____ bags
 _____ from _____ to _____ yards _____ bags

REMARKS: SOURCE OF DATA, DIFFICULTIES IN SEALING
House is being demolished.

OTHER WELLS AND BORINGS
 None

LICENSED OR REGISTERED CONTRACTOR CERTIFICATION:
 This well sealing was sealed in accordance with Minnesota Statutes, Chapter 103I, to the best of my knowledge.
Keys Well Drilling Company
 Authorized Representative Signature *[Signature]* Date **6/29/01**
Dave Kraushaar
 Name of Person Sealing Well or Boring

JOB #2001069

H 177562

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
 Minnesota Statutes Chapter 103B

Minnesota Well and Boring Sealing No.
 Minnesota Unique Well No. or W-series No.
 (Leave blank if not known)

H **177564**

WELL OR BORING LOCATION
 County Name
Hennepin

Township Name Township No. Range No. Section No. Fraction (sm) →
Richfield 28 24 33 NE SW SW

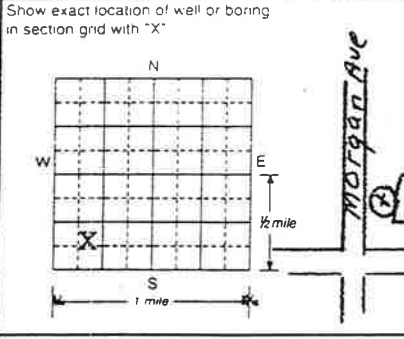
Date Sealed
June 13, 2001

Date Well or Boring Constructed
1960

Numerical Street Address or Fire Number and City of Well or Boring Location
7645 Morgan Ave. S., Richfield

Depth Before Sealing **39** ft Original Depth **39** ft

STATIC WATER LEVEL
 Measured Estimated
23 ft below above land surface



Sketch map of well or boring location showing property lines, roads, and buildings

AQUIFER(S)
 Single Aquifer Multi-aquifer

WELL/BORING
 Water Supply Well Monit. Well
 Ent. Bore Hole Other

PROPERTY OWNER'S NAME
Best Buy Co

Property owner's mailing address if different than well location address indicated above
**7075 Flying Cloud
 Eden Prairie, MN 55344**

CASING TYPE(S)
 Steel Plastic Tile Other

CASING(S)
 Diameter **2** in from **0** to **36** ft
 Depth **0** to **36** ft
 Set in oversize hole? Yes No
 Annular space initially grouted? Yes No Unknown

WELL OWNER'S NAME

Well owner's mailing address if different than property owner's address indicated above

SCREEN/OPEN HOLE
 Screen from **36** to **39** ft Open Hole from _____ to _____ ft

OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction
 Type of Obstructions (Describe) _____
 Obstructions removed? Yes No Describe _____

PUMP
 Type **Jet w/ 1-1/4" pipe**
 Removed Not Present Other

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	39

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
 No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal
 _____ in from _____ to _____ ft Perforated Removed
 _____ in from _____ to _____ ft Perforated Removed
 Type of perforation: _____
 Other _____

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
 Grouting Material **Neat Cement** from **0** to **39** ft _____ yards **1.5** bags
 _____ from _____ to _____ ft _____ yards _____ bags
 _____ from _____ to _____ ft _____ yards _____ bags
 _____ from _____ to _____ ft _____ yards _____ bags

REMARKS: SOURCE OF DATA, DIFFICULTIES IN SEALING

House is being demolished

OTHER WELLS AND BORINGS
 No other wells or borings
 LICENSED OR REGISTERED CONTRACTOR CERTIFICATION
 I have sealed this well in accordance with the rules and regulations of the Minnesota Department of Health to the best of my knowledge.

Keys Well Drilling Company
 Contractor Business Name

 Authorized Representative Signature
Dave Kraushaar
 Name of Person Sealing Well or Boring

62012
 License or Registration No.
6/29/01
 Date

JOB #2001069

H **177564**

WELL OR BORING LOCATION
County Name
Hennepin

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
Minnesota Statutes Chapter 103J

Minnesota Well and Boring Sealing No. **H 177569**
Minnesota Unique Well No. or W-series No.
(Leave blank if not known)

Township Name | Township No | Range No | Section No | Fraction (ism → ig)
Richfield | **28** | **24** | **33** | **NW SW SW**

Date Sealed
June 19, 2001

Date Well or Boring Constructed
1960

Numerical Street Address or Fire Number and City of Well or Boring Location
7601 Oliver Ave. S., Richfield

Depth Before Sealing **40** ft

Original Depth **40** ft

Show exact location of well or boring in section grid with "X"

Sketch map of well or boring location, showing property lines, roads, and buildings

AQUIFER(S)
 Single Aquifer Multi-aquifer

STATIC WATER LEVEL
 Measured Estimated

WELL/BORING
 Water Supply Well Monitor Well
 Env. Bore Hole Other _____

22 ft below above land surface

CASING TYPE(S)
 Steel Plastic Tile Other _____

CASING(S)
Diameter | Depth | Set in oversized hole? | Annular space initially grouted?
2 in from **0** to **36** ft | Yes No | Yes No Unknown

PROPERTY OWNER'S NAME
Best Buy Co

Property owner's mailing address if different than well location address indicated above
**7075 Flying Cloud Dr.
Eden Prairie, MN 55344**

SCREEN/OPEN HOLE
Screen from **36** to **40** ft Open Hole from _____ to _____ ft.

OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction
Type of Obstructions (Describe) _____
Obstructions removed? Yes No Describe _____

PUMP
Type **Jet w/ 1" Drop Pipe**
 Removed Not Present Other _____

GEOLOGICAL MATERIAL | COLOR | HARDNESS OF FORMATION | FROM | TO
Drift | | | **0** | **40**

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
 No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal
_____ in from _____ to _____ ft. Perforated Removed
_____ in from _____ to _____ ft. Perforated Removed
Type of perforator: _____
 Other: _____

GROUTING MATERIAL(S); (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
Grouting Material: **Neat Cement** from **0** to **40** ft _____ yards **2** bags

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING
House is being demolished.

OTHER WELLS AND BORING
LICENSED OR REGISTERED CONTRACTOR IDENTIFICATION
Keys Well Drilling Company
Contractor Business Name
Authorized Representative Signature
Kirk Partello
Name of Person Sealing Well or Boring

JOB #2001069
H 177569

62012
License or Registration No.
6/29/01
Date

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
 Minnesota Statutes, Chapter 1031

Minnesota Well and Boring Sealing No. H **177570**
 Minnesota Unique Well No. or W-series No. (Leave blank if not known)

WELL OR BORING LOCATION
 County Name
Hennepin

Township Name **Richfield** Township No. **28** Range No. **24** Section No. **33** Fraction (sm → lg) **NW SW SW**

Date Sealed
June 19, 2001

Date Well or Boring Constructed
1960

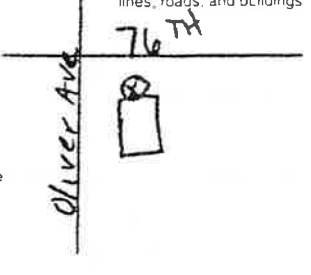
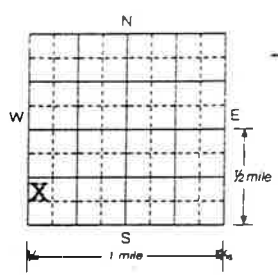
Numerical Street Address or Fire Number and City of Well or Boring Location
7609 Oliver Ave. S., Richfield

Depth Before Sealing **87** ft Original Depth **87** ft

STATIC WATER LEVEL
 Measured Estimated
32 ft below above land surface

Show exact location of well or boring in section grid with "X"

Sketch map of well or boring location, showing property lines, roads, and buildings



AQUIFER(S)
 Single Aquifer Multiaquifer

WELL/BORING
 Water Supply Well Monitor Well
 Env. Bore Hole Other _____

PROPERTY OWNER'S NAME
Best Buy Co

Property owner's mailing address if different than well location address indicated above
**7075 Flying Cloud Dr.
 Eden Prairie, MN 55344**

CASING TYPE(S)
 Steel Plastic Tile Other _____

CASING(S)
 Diameter _____ Depth _____ Set in oversized hole? Yes No Annular space initially grouted? Yes No Unknown
3 in from **0** to **82** ft Yes No Yes No Unknown
 _____ in from _____ to _____ ft Yes No Yes No Unknown
 _____ in from _____ to _____ ft Yes No Yes No Unknown

WELL OWNER'S NAME

Well owner's mailing address if different than property owner's address indicated above

SCREEN/OPEN HOLE
 Screen from **82** to **87** ft. Open Hole from _____ to _____ ft.

OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction
 Type of Obstructions (Describe) _____
 Obstructions removed? Yes No Describe _____

PUMP
 Type Jet w/ 1" Drop Pipe
 Removed Not Present Other _____

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
---------------------	-------	-----------------------	------	----

If not known, indicate estimated formation log from nearby well or boring

Drift			0	87

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:

No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal
 _____ in from _____ to _____ ft Perforated Removed
 _____ in from _____ to _____ ft Perforated Removed
 Type of perforator: _____
 Other _____

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
 Grouting Material: **Neat Cement** from **0** to **87** ft _____ yards _____ bags
 _____ from _____ to _____ ft _____ yards _____ bags
 _____ from _____ to _____ ft _____ yards _____ bags
 _____ from _____ to _____ ft _____ yards _____ bags

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING

OTHER WELLS AND BORINGS
 Other wells and borings are sealed by another contractor
 LICENSED OR REGISTERED CONTRACTOR CERTIFICATION:
 This well/boring was sealed in that it complies with the requirements of the Minnesota Statutes, Chapter 1031, to the best of my knowledge.

House is being demolished.

Keys Well Drilling Company License # **62012**
 Contractor Business Name

 Authorized Representative Signature Date **6/29/01**

JOB #2001069

H 177570

Dave Kraushaar
 Name of Person Sealing Well or Boring

WELL OR BORING LOCATION
County Name
Hennepin

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
Minnesota Statutes Chapter 103I

Minnesota Well and Boring Sealing No. **H 177577**
Minnesota Unique Well No. or W-series No.
Leave Blank if not known!

Township Name | Township No. | Range No. | Section No. | Fraction (sm → lg.)
Richfield | **28** | **24** | **33** | **NW SW SW**

Date Sealed
June 22, 2001

Date Well or Boring Constructed
1961

Numerical Street Address or Fire Number and City of Well or Boring Location
7601 Penn Ave. S., Richfield

Depth Before Sealing **40** ft

Original Depth **40**

Show exact location of well or boring in section grid with "X"

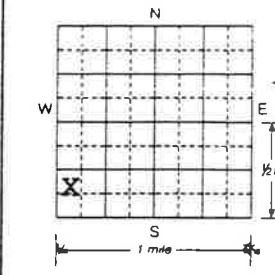
Sketch map of well or boring location, showing property lines, roads, and buildings

AQUIFER(S)
 Single Aquifer Multi-aquifer

STATIC WATER LEVEL
 Measured Estimated

WELL/BORING
 Water Supply Well Monitor Well
 Env. Bore Hole Other

25 ft below above land surface



CASING TYPE(S)
 Steel Plastic Tile Other

PROPERTY OWNER'S NAME
Best Buy Co.

CASING(S)
Diameter | Depth | Set in oversize hole? | Annular space initially grouted?
3 in from **0** to **36** ft Yes No Yes No Unknown

Property owner's mailing address if different than well location address indicated above.
**7075 Flying Cloud Dr.
Eden Prairie, MN 55344**

SCREEN/OPEN HOLE
Screen from **36** to **40** ft. Open Hole from _____ to _____ ft.

WELL OWNER'S NAME

OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction

Well owner's mailing address if different than property owner's address indicated above

Type of Obstructions (Describe) _____
Obstructions removed? Yes No Describe _____

GEOLOGICAL MATERIAL | COLOR | HARDNESS OF FORMATION | FROM | TO

PUMP
Type **Jet w/ 1-1/4" Pipe**
 Removed Not Present Other

If not known, indicate estimated formation log from nearby well or boring.

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	40

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
 No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal
_____ in. from _____ to _____ ft. Perforated Removed
_____ in. from _____ to _____ ft. Perforated Removed
Type of perforator _____
 Other _____

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
Grouting Material **Neat Cement** from **0** to **40** ft. _____ yards **4** bags
_____ from _____ to _____ ft. _____ yards _____ bags
_____ from _____ to _____ ft. _____ yards _____ bags
_____ from _____ to _____ ft. _____ yards _____ bags

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING

House is being demolished.

JOB #2001069

OTHER WELLS AND BORINGS
Other sealed and unsealed wells or borings:

LICENSED OR REGISTERED CONTRACTOR CERTIFICATION
This well or boring was sealed in accordance with Minnesota Rules, and this record is true to the best of my knowledge.

Keys Well Drilling Company
Contractor Business Name
[Signature]
Authorized Representative Signature
62012
License or Registration No.
7/7/01
Date

Dave Kraushaar
Name of Person Sealing Well or Boring

H 177577

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
 Minnesota Statutes Chapter 1031

Minnesota Well and Boring
 Sealing No. **H 177551**
 Minnesota Unique Well No.
 or W-series No.
(Leave blank if not known)

WELL OR BORING LOCATION
 County Name
Hennepin

Township Name: **Richfield** Township No: **28** Range No: **24** Section No: **33** Fraction (S.M. → 1/4): **NW SW SW**

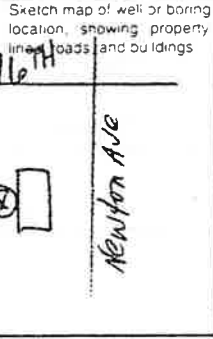
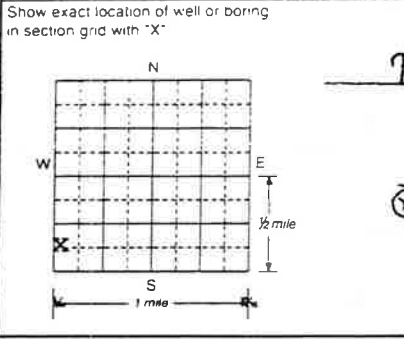
Date Sealed: **June 27, 2001**

Date Well or Boring Constructed: **1960**

Numerical Street Address or Fire Number and City of Well or Boring Location:
7620 Newton Ave. S., Richfield

Depth Before Sealing: **50** ft

Original Depth: **50** ft



AQUIFER(S)
 Single Aquifer Multiaquifer

STATIC WATER LEVEL

WELL/BORING
 Water Supply Well Monit. Well
 Env. Bore Hole Other

Measured Estimated
22 ft below above land surface

PROPERTY OWNER'S NAME
Best Buy Co

CASING TYPE(S)
 Steel Plastic Tile Other

Property owner's mailing address if different than well location address indicated above
**7075 Flying Cloud Dr
 Eden Prairie, MN 55344**

CASING(S)

Diameter	Depth	Set in oversize hole?	Annular space initially grouted?
2 in from 0 to 46 ft		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
_____ in from _____ to _____ ft		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
_____ in from _____ to _____ ft		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown

WELL OWNER'S NAME

SCREEN/OPEN HOLE
 Screen from **46** to **50** ft. Open Hole from _____ to _____ ft.

Well owner's mailing address if different than property owner's address indicated above

OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction
 Type of Obstructions (Describe) _____
 Obstructions removed? Yes No Describe _____

GEOLOGICAL MATERIAL COLOR HARDNESS OF FORMATION FROM TO

PUMP
 Type **Jet w/ 40' 1" pipe**
 Removed Not Present Other

If not known, indicate estimated formation log from nearby well or boring

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	50

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
 No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal
 _____ in from _____ to _____ ft Perforated Removed
 _____ in from _____ to _____ ft Perforated Removed
 Type of perforator _____
 Other _____

REMARKS: SOURCE OF SEALING MATERIALS IN SEALS

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
 Grouting Material **Neat Cement** from **0** to **50** ft _____ yards **2.5** bags
 _____ from _____ to _____ ft _____ yards _____ bags
 _____ from _____ to _____ ft _____ yards _____ bags
 _____ from _____ to _____ ft _____ yards _____ bags

OTHER WELLS AND BORINGS

LICENSED OR REGISTERED CONTRACTOR CERTIFICATION

I hereby certify that I have sealed the well or boring in accordance with Minnesota Rules Chapter 1031.0000, to the best of my knowledge.

Keys Well Drilling Company **62012**
 Business Name Registration No.

[Signature] **6/29/01**
 Authorized Representative Signature Date

Dave Kraushaar
 Name of Person Sealing Well or Boring

House is being demolished.

JOB #2001069

H 177551

WELL AND BORING SEALING RECORD

Minnesota Statutes Chapter 103

Minnesota Well and Boring Sealing No. Minnesota Unique Well No. or W-series No.

H 177552

WELL OR BORING LOCATION
County Name: Hennepin

Township Name: Richfield, Township No: 28, Range No: 24, Section No: 33, Fraction (S, N, E, W): NWSW SW

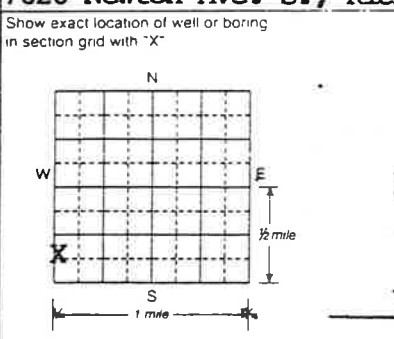
Date Sealed: June 27, 2001

Date Well or Boring Constructed: 1960

Numerical Street Address or Fire Number and City of Well or Boring Location: 7626 Newton Ave. S., Richfield

Depth Before Sealing: 39 ft

Original Depth: 39 ft



Sketch map of well or boring location, showing property lines, roads, and buildings.

AQUIFER(S)
Single Aquifer: [checked], Multi-aquifer: []

STATIC WATER LEVEL
Measured: [checked], Estimated: []

WELL/BORING
Water Supply Well: [checked], Monitor Well: [], Env. Bore Hole: [], Other: []

22 ft below above land surface

CASING TYPE(S)
Steel: [checked], Plastic: [], Tile: [], Other: []

CASING(S)
Diameter: 2 in, Depth: 0 to 36 ft, Set in oversized hole? [] Yes [x] No

PROPERTY OWNER'S NAME: Best Buy Co
7075 Flying Cloud Dr. Eden Prairie, MN 55344

SCREEN/OPEN HOLE
Screen from: 36 to 39 ft, Open Hole from: [] to [] ft

WELL OWNER'S NAME
Well owner's mailing address if different than property owner's address indicated above

OBSTRUCTIONS
Rods/Drop Pipe: [], Check Valve(s): [], Debris: [], Fill: [], No Obstruction: [x]

PUMP
Type: Jet w/ 1 1/4" pipe
Removed: [x], Not Present: [], Other: []

Table with columns: GEOLOGICAL MATERIAL, COLOR, HARDNESS OF FORMATION, FROM, TO. Row 1: Drift, [], [], 0, 39

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
No Annular Space Exists: [x]

GROUTING MATERIAL(S)
Neat Cement from 0 to 39 ft, 1.5 bags

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING
House is being demolished.

Keys Well Drilling Company
Authorized Representative Signature: Dave Kraushaar
Date: 6/29/01

JOB #2001069

177552

Dave Kraushaar
Name of Person Sealing Well or Boring

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
 Minnesota Statutes Chapter 103

Minnesota Well and Boring Sealing No. **H 177553**
 Minnesota Unique Well No. or W-series No. _____
(Leave blank if not known)

WELL OR BORING LOCATION
 County Name
Hennepin

Township Name **Richfield** Township No. **28** Range No. **24** Section No. **33** Fraction (sm. → lg.) **NW SW SW**

Date Sealed **June 27, 2001**

Date Well or Boring Constructed **1960**

Numerical Street Address or Fire Number and City of Well or Boring Location
7638 Newton Ave. S., Richfield

Depth Before Sealing **38** ft

Original Depth **38** ft

Show exact location of well or boring in section grid with "X"

Sketch map of well or boring location, showing property lines, roads, and buildings

AQUIFER(S)
 Single Aquifer Multi-aquifer

STATIC WATER LEVEL
 Measured Estimated

WELL/BORING
 Water Supply Well Monit. Well
 Env. Bore Hole Other _____

21 ft below above land surface

CASING TYPE(S)
 Steel Plastic Tile Other _____

CASING(S)
 Diameter **2** in from **0** to **35** ft Set in oversize hole? Yes No
 Annular space initially grouted? Yes No Unknown

SCREEN/OPEN HOLE
 Screen from **35** to **38** ft Open Hole from _____ to _____ ft

OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction
 Type of Obstructions (Describe) _____
 Obstructions removed? Yes No Describe _____

PUMP
 Type **Jet w/ 1" pipe**

PROPERTY OWNER'S NAME
Best Buy Co
 Property owner's mailing address if different than well location address indicated above
**7075 Flying Cloud Dr.
 Eden Prairie, MN 55344**

WELL OWNER'S NAME
 Well owner's mailing address if different than property owner's address indicated above

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	38

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
 No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal
 _____ in. from _____ to _____ ft Perforated Removed
 _____ in. from _____ to _____ ft Perforated Removed
 Type of perforator _____
 Other _____

GROUTING MATERIAL(S): (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
 Grouting Material **Neat Cement** from **0** to **38** ft **1.5** bags

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING

House is being demolished.

JOB #2001069

OTHER WELLS AND BORING(S)
 None
 Licensed or Registered Contractor Identification
 This well is being sealed in accordance with the rules and regulations of the Department of Health to the best of my knowledge.
Keys Well Drilling Company **62012**
 Contractor Business Name License or Registration No.
 Authorized Representative Signature **6/29/01**
 Date
Dave Kraushaar
 Name of Person Sealing Well or Bore

H 177553

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
 Minnesota Statutes Chapter 103F

Minnesota Well and Boring Sealing No.
 Minnesota Unique Well No. or W-series No.
(Leave blank if not known)

H **177556**

WELL OR BORING LOCATION
 County Name
Hennepin

Township Name | Township No. | Range No. | Section No. | Fraction
Richfield | **28** | **24** | **33** | **NE SW SW**

Date Sealed
June 27, 2001

Date Well or Boring Constructed
1960

Numerical Street Address or Fire Number and City of Well or Boring Location
7617 Newton Ave. S., Richfield

Depth Before Sealing **40** ft

Original Depth **40** ft

Show exact location of well or boring in section grid with "X"

Sketch map of well or boring location showing property lines, roads, and buildings

AQUIFER(S)
 Single Aquifer Multi-aquifer

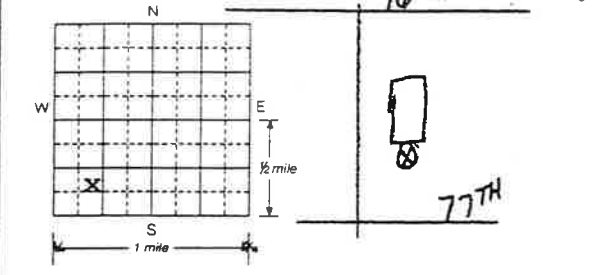
STATIC WATER LEVEL
 Measured Estimated

WELL/BORING
 Water Supply Well Monitor Well
 Env. Bore Hole Other

30 ft below above land surface

CASING TYPE(S)
 Steel Plastic Tile Other

CASING(S)
 Diameter | Depth | Set in oversize hole? | Annular space initially grouted?
2 in from **0** to **36** ft Yes No Yes No Unknown
 _____ in from _____ to _____ ft Yes No Yes No Unknown
 _____ in from _____ to _____ ft Yes No Yes No Unknown



PROPERTY OWNER'S NAME
Best Buy Co

Property owner's mailing address if different than well location address indicated above
7075 Flying Cloud Dr.
Eden Prairie, MN 55344

SCREEN/OPEN HOLE
 Screen from **36** to **40** ft Open Hole from _____ to _____ ft

WELL OWNER'S NAME

Well owner's mailing address if different than property owner's address indicated above

OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction
 Type of Obstructions (Describe) _____
 Obstructions removed? Yes No Describe _____

PUMP
 Type _____
 Removed Not Present Other

GEOLOGICAL MATERIAL | COLOR | HARDNESS OF FORMATION | FROM | TO

If not known, indicate estimated formation log from nearby well or boring.

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	40

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
 No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal
 _____ in from _____ to _____ ft Perforated Removed
 _____ in from _____ to _____ ft Perforated Removed
 Type of perforator _____
 Other _____

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
 Grouting Material: **Neat Cement** from **0** to **40** ft _____ yards **2** bags
 _____ from _____ to _____ ft _____ yards _____ bags
 _____ from _____ to _____ ft _____ yards _____ bags
 _____ from _____ to _____ ft _____ yards _____ bags

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING

House is being demolished.

JOB #2001069

OTHER WELLS AND BORINGS
 LICENSED OR REGISTERED CONTRACTOR IDENTIFICATION

Authorized Representative Signature
Keys Well Drilling Company
 License or Registration No. **62012**
 Date **6/29/01**
Dave Krausbaar
 Name of Person Sealing Well or Boring

H **177556**

WELL OR BORING LOCATION
 County Name
Hennepin

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
 Minnesota Statutes, Chapter 1031

Minnesota Well and Boring Sealing No. **H 177571**
 Minnesota Unique Well No. or W-series No.
 (Leave blank if not known)

Township Name: **Richfield** Township No: **28** Range No: **24** Section No: **33** Fraction (sm. to lg.): **NW SW SW**

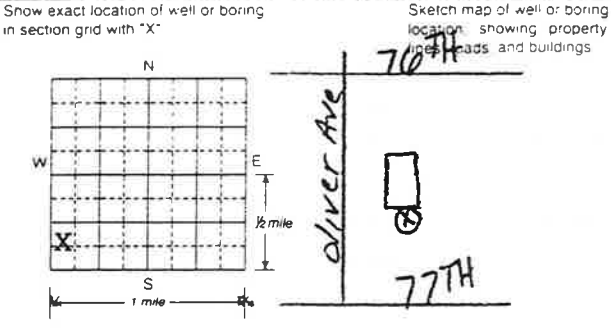
Date Sealed: **June 27, 2001**

Date Well or Boring Constructed: **1960**

Numerical Street Address or Fire Number and City of Well or Boring Location
7627 Oliver Ave. S., Richfield

Depth Before Sealing **34** ft Original Depth **34** ft

STATIC WATER LEVEL
 Measured Estimated
24 ft below above land surface



AQUIFER(S)
 Single Aquifer Multi-aquifer
WELL/BORING
 Water Supply Well Monit. Well
 Env. Bore Hole Other _____

CASING TYPE(S)
 Steel Plastic Tile Other _____

PROPERTY OWNER'S NAME
Best Buy Co
 Property owner's mailing address if different than well location address indicated above

CASING(S)
 Diameter _____ Depth _____ Set in oversize hole? Yes No
 Annular space initially grouted? Yes No Unknown

_____ in. from _____ to _____ ft. Yes No Yes No Unknown
 _____ in. from _____ to _____ ft. Yes No Yes No Unknown

7075 Flying Cloud DR
Eden Prairie, MN 55344

SCREEN/OPEN HOLE
 Screen from **30** to **34** ft. Open Hole from _____ to _____ ft.

OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction
 Type of Obstructions (Describe) _____
 Obstructions removed? Yes No Describe _____

WELL OWNER'S NAME
 Well owner's mailing address if different than property owner's address indicated above

PUMP
 Type **Jet w/ 1" drop pipe**
 Removed Not Present Other _____

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
 No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	34

_____ in. from _____ to _____ ft. Perforated Removed
 _____ in. from _____ to _____ ft. Perforated Removed
 Type of perforator _____
 Other _____

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
 Grouting Material: **Neat Cement** from **0** to **34** ft. varies **1.5** bags
 _____ from _____ to _____ ft. varies _____ bags
 _____ from _____ to _____ ft. varies _____ bags
 _____ from _____ to _____ ft. varies _____ bags

REMARKS: SOURCE OF DATA DIFFICULTIES IN SEALING
House is being demolished.

OTHER WELLS AND BORINGS
 None Sealed and Unused (well or boring on other property)
 Sealed and Unused (well or boring on other property)
 Licensed or Registered Contractor Certification

The well or boring was sealed in accordance with Minnesota Rules Chapter 1031. The information contained on this report is true to the best of my knowledge.

JOB #2001069
H 177571

LICENSED OR REGISTERED CONTRACTOR CERTIFICATION

 Authorized Representative Signature

Keys Well Drilling Company
 Contractor Business Name
62012
 License or Registration No.

Kirk Partello
 Name of Person Sealing Well or Boring

7/2/01
 Date

WELL AND BORING SEALING RECORD

Minnesota Statutes Chapter 103

Minnesota Well and Boring Sealing No. Minnesota Unique Well No. or W-series No. (Leave blank if not known)

H 177572

WELL OR BORING LOCATION
County Name: Hennepin

Township Name: Richfield
Township No.: 28
Range No.: 24
Section No.: 33
Fraction (NW, SW, SE, NE): SW

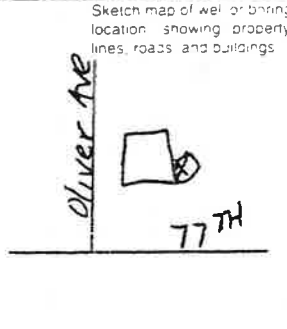
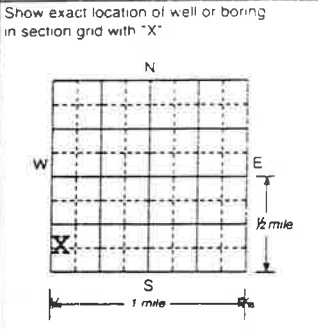
Date Sealed: June 27, 2001

Date Well or Boring Constructed: 1960

Numerical Street Address or Fire Number and City of Well or Boring Location: 7639 Oliver Ave. S., Richfield

Depth Before Sealing: 39 ft

Original Depth: 39 ft



AQUIFER(S)
[X] Single Aquifer [] Multi-aquifer

STATIC WATER LEVEL
[X] Measured [] Estimated

WELL/BORING
[X] Water Supply Well [] Monitor Well
[] Env. Bore Hole [] Other

18 ft [X] below [] above land surface

CASING TYPE(S)
[X] Steel [] Plastic [] Tile [] Other

Table with columns: CASING(S), Diameter, Depth, Set in oversize hole?, Annular space initially grouted?
Row 1: 2 in from 0 to 35 ft, [] Yes [X] No, [] Yes [] No [] Unknown

PROPERTY OWNER'S NAME: Best Buy Co

Property owner's mailing address: 7075 Flying Cloud Dr, Eden Prairie, MN 55344

SCREEN/OPEN HOLE
Screen from 35 to 39 ft. Open Hole from _____ to _____ ft.

WELL OWNER'S NAME

Well owner's mailing address if different than property owner's address indicated above

OBSTRUCTIONS
[] Rods/Drop Pipe [] Check Valve(s) [] Debris [] Fill [X] No Obstruction

Type of Obstructions (Describe)
Obstructions removed? [] Yes [] No Describe

PUMP
Type: Jet w/ 1-1/4" Pipe
[X] Removed [] Not Present [] Other

Table with columns: GEOLOGICAL MATERIAL, COLOR, HARDNESS OF FORMATION, FROM, TO

Table with 5 columns: GEOLOGICAL MATERIAL, COLOR, HARDNESS OF FORMATION, FROM, TO. Row 1: Drift, , , 0, 39

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:

[X] No Annular Space Exists
[] Annular space grouted with tremie pipe
[] Casing Perforation/Removal
_____ in from _____ to _____ ft. [] Perforated [] Removed
_____ in from _____ to _____ ft. [] Perforated [] Removed
Type of perforator:
[] Other

Table with columns: GROUTING MATERIAL(S), (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
Row 1: Neat Cement, 0, 39, 1.5 bags

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING

LICENSED OR REGISTERED CONTRACTOR CERTIFICATION

House is being demolished.

Keys Well Drilling Company

62012

Authorized Representative Signature: Kirk Partello

License or Registration No.

Date: 7/2/01

JOB #2001069

Name of Person Sealing Well or Boring: Kirk Partello

H 177572

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
 Minnesota Statutes Chapter 103:

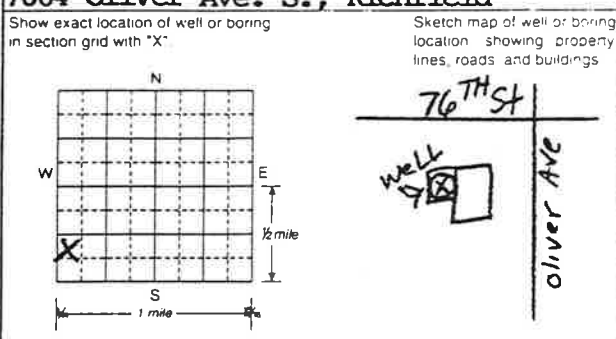
Minnesota Well and Boring Sealing No. H 177574
 Minnesota Unique Well No. or W-series No.
 (Leave blank if not known)

WELL OR BORING LOCATION
 County Name: Hennepin
 Township Name: Richfield Township No: 28 Range No: 24 Section No: 33 Fraction (sm. to lg.): NW SW SW

Date Sealed: June 28, 2001
 Date Well or Boring Constructed: 1960

Numerical Street Address or Fire Number and City of Well or Boring Location:
7604 Oliver Ave. S., Richfield

Depth Before Sealing: 39 ft Original Depth: 39 ft



AQUIFER(S)
 Single Aquifer Multi-aquifer
WELL/BORING
 Water Supply Well Monit. Well
 Env. Bore Hole Other _____
STATIC WATER LEVEL
 Measured Estimated
30 ft below above land surface

PROPERTY OWNER'S NAME
Best Buy Co.
 Property owner's mailing address if different than well location address indicated above:
7075 Flying Cloud Dr. Eden Prairie, MN 55344

CASING TYPE(S)
 Steel Plastic Tile Other _____
CASING(S)
 Diameter: 2 in from 0 to 35 ft
 Depth: _____ ft
 Set in oversized hole? Yes No
 Annular space initially grouted? Yes No Unknown

WELL OWNER'S NAME
 Well owner's mailing address if different than property owner's address indicated above:

SCREEN/OPEN HOLE
 Screen from 35 to 39 ft Open Hole from _____ to _____ ft
OBSTRUCTIONS
 Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction
 Type of Obstructions (Describe): _____
 Obstructions removed? Yes No Describe: _____

GEOLOGICAL MATERIAL COLOR HARDNESS OF FORMATION FROM TO

PUMP
 Type: Jet w/ 1-1/4" Drop Pipe
 Removed Not Present Other _____

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	39

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
 No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal
 _____ in, from _____ to _____ ft Perforated Removed
 _____ in, from _____ to _____ ft Perforated Removed
 Type of perforator: _____
 Other _____

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING:
House is being demolished.
 JOB #2001069

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
 Grouting Material: Neat Cement from 0 to 39 ft 2 bags

OTHER WELLS AND BORINGS:
 None
 LICENSED OR REGISTERED CONTRACTOR:
 This well or boring was sealed in accordance with Minnesota Rules, Chapter 6200.01, to the best of my knowledge.
Keys Well Drilling Company License # 62012
 Contractor Business Name: _____ License # (if different): _____
 Authorized Representative Signature: [Signature] Date: 7/3/01
 Name of Person Sealing Well or Boring: Kirk Partello

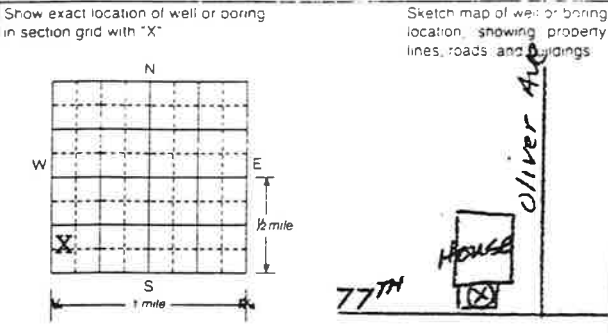
H 177574

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
 Minnesota Statutes Chapter 103I

Minnesota Well and Boring Sealing No. **H 177576**
 Minnesota Unique Well No. or W-series No.
Leave blank if not known

WELL OR BORING LOCATION
 County Name: **Hennepin**
 Township Name: **Richfield** Township No: **28** Range No: **24** Section No: **33** Fraction: **NW SW SW**

Numerical Street Address or Fire Number and City of Well or Boring Location:
7644 Oliver Ave. S., Richfield



PROPERTY OWNER'S NAME: **Best Buy Co.**
 Property owner's mailing address if different than well location address indicated above:
7075 Flying Cloud Dr. Eden Prairie, MN 55344

WELL OWNER'S NAME:
 Well owner's mailing address if different than property owner's address indicated above:

GEOLOGICAL MATERIAL	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	40

REMARKS: SOURCE OF DRIFT MATERIAL FROM SEWING
House is being demolished.

Date Sealed: **June 28, 2001** Date Well or Boring Constructed: **1960**

Depth Before Sealing: **40** ft Original Depth: **40** ft

AQUIFER(S): Single Aquifer Multiaquifer
 WELL/BORING: Water Supply Well Monitor Well Env. Bore Hole Other
 STATIC WATER LEVEL: Measured Estimated
21 ft below above land surface

CASING TYPE(S): Steel Plastic Tile Other

CASING(S):
 Diameter: **2** in from **0** to **36** ft Set in oversize hole? Yes No
 Annular space initially grouted? Yes No Unknown

SCREEN/OPEN HOLE: Screen from **36** to **40** ft Open Hole from _____ to _____ ft

OBSTRUCTIONS: Rods/Drop Pipe Check Valve(s) Debris Fill No Obstruction
 Type of Obstructions (Describe):
 Obstructions removed? Yes No Describe:

PUMP: Type **Jet w/ 1-1/4" Pipe**
 Removed Not Present Other

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
 No Annular Space Exists
 Annular space grouted with tremie pipe
 Casing Perforation/Removal
 _____ in. from _____ to _____ ft Perforated Removed
 _____ in. from _____ to _____ ft Perforated Removed
 Type of perforator: **McGregor**
 Other: **Case 1345**

GROUTING MATERIAL(S): (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
 Grouting Material: **Neat Cement** from **0** to **40** ft _____ yards **2** bags

OTHER WELLS AND BORINGS:
 LICENSED OR REGISTERED CONTRACTOR CERTIFICATION:
 Keys Well Drilling Company
 Contractor's License No.: **62012**
 Authorized Representative Signature: *[Signature]*
 Date: **7/3/01**
 Name of Person Sealing Well or Boring: **Kirk Partello**

