Pennsylvania Department of Environmental Protection

2 Public Square
Wilkes-Barre, PA 18711-0790
December 6, 2006

Northeast Regional Office

570-826-2511
Fax 570-820-4907

CERTIFIED MAIL NO.: 7004 1350 0003 0968 1546

Mr. Thomas C. Zeiner
2146 Community Drive
Bath, PA 18014

Re: Closure/Remediation
Closure/245 Relief Letter
Moore Tire Center
Facility I.D. No. 48-19105
Route 512 and Route 946
Moore Township, Northampton County

Dear Mr. Zeiner:

The Department has received and reviewed documentation detailing the outcome of remedial actions taken subsequent to a release of regulated substances from the above-named facility. The technical review of this report was conducted under the responsible charge of a Pennsylvania Licensed Professional Geologist. Your releases were confirmed on February 24, 1992 and March 12, 2004. Your written submission, dated October 2006, identifies the specific regulated substance, as unleaded gasoline, involved in your releases and subsequent cleanup.

Our review confirms you have attained your selected cleanup standard for each of the identified regulated substances. Specifically, the statewide health standard in soil and groundwater has been met. You have also complied with the procedural requirements of the Department's Corrective Action Regulations as promulgated under the Pennsylvania Storage Tank and Spill Prevention Act. The relief of liability for attaining this cleanup standard is set forth in Chapter 5 of the Land Recycling and Environmental Remediation Standards Act of 1995.

Since the remediation of this site has been completed, the existing monitoring wells should be properly abandoned. Attached is a copy of the procedural requirements for you to follow.

Thank you for your cooperation in working with the Department in the remediation of this site. If you need additional information or have any questions, please contact me at the above-referenced number or the project officer, Kevin Walker at (570) 820-4856.

Sincerely,

Ronald S. Brezinski
Program Manager
Environmental Cleanup Program

cc: Underground Storage Tank Indemnification Fund
Moore Township
David A. Everitt III, President/MEA, Inc.

MEA INC.

1365 Ackermanville Road
Bangor, Pennsylvania 18013

♦ Environmental Services
♦ Mobile Lab/Geoprobe

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REMEDIAL ACTION COMPLETION REPORT
MOORE TIRE CENTER
ROUTE 512 AND ROUTE 946
BATH, NORTHAMPTON COUNTY, PENNSYLVANIA
PADEP FACILITY ID NO. 48-19105
USTIF CLAIM NO. 2004-0082(M)

OCTOBER 2006

Prepared for:

Mr. Thomas C. Zeiner
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Bath, Pennsylvania

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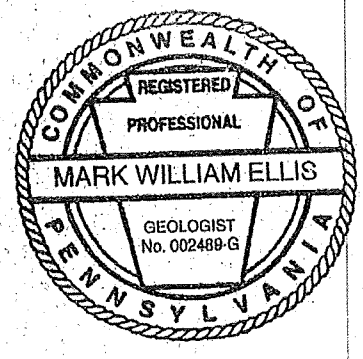

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SECTION 1.0

INTRODUCTION

The Moore Tire Center site is located near the intersection of Routes 512 and 946 in Bath, Pennsylvania (PADEP Facility ID No. 48-19105). The property is approximately 1 acre in size. Figure 1 is the Site Location Map. Figure 2 is a Site Plan. The Moore Tire Center is an active automotive service center formerly used for retail gasoline sales. Gasoline sales started at the site in 1971, using two 4,000-gallon underground storage tanks (USTs). These tanks were removed and two new USTs (10,000 gallon and 8,000 gallon) were installed in February of 1992. The new USTs, contained unleaded gasoline, and were removed by JMT Environmental Technologies, Inc. on January 22, 2004.

Mobile Environmental Analytical, Inc. (MEA) was hired to conduct post-excavation closure sampling. The results of groundwater samples collected from the open excavation necessitated further groundwater characterization. Consequently, MEA began site characterization activities in May 2004. These activities included the installation and sampling of temporary well points, the installation of four permanent monitoring wells (MW-1 through MW-4), the sampling of the monitoring wells for three consecutive quarters (August 2004, November 2004, and February 2005), aquifer testing, and additional soil sampling.

Upon review of the Site Characterization Report, the Pennsylvania Department of Environmental Protection (PADEP) case manager noted that the groundwater flow direction fluctuated toward the on-site supply well during the November 2004 sampling event. Subsequent discussions and review of the May 2005 flow, again indicated flow to the northeast (toward the supply well), where no monitoring well existed. The lack of groundwater analytical data in that direction prompted the case manager to request an additional monitoring well, and a minimum of two sampling events (to include the on-site supply well) to sufficiently characterize the groundwater flow direction and potential impacts.

1.1 Site Description

Moore Tire Center is an active automotive service center formerly used for retail gasoline sales. The site consists of a one-story building with a footprint of approximately 4,800 square feet. The pump islands were located at the front, or southern side, of the building where it is paved. Portions of the rear and east sides of the building are unpaved. The former gasoline tanks were located off the southeastern corner of the garage.

1.2 Site History

The two original 4,000-gallon USTs were constructed of steel and were installed in 1971. These USTs were removed from the property in February of 1992 by Equipment Installation Specialists, Inc. (EIS). Hafer Petroleum prepared the closure report for the

site. During the removal process, visual and olfactory observations of contamination were made. These observations were confirmed by laboratory analysis. All contaminated soil was removed and properly disposed of. A total of 17 post-excavation soil samples were collected throughout the removal process and the analytical results indicated that the soil was vertically delineated to below the applicable standards at that time. The PADEP case manager did not close the case because he wanted additional horizontal delineation samples collected from depths that coincided with the first set of centerline post-excavation samples that exhibited concentrations that were above the applicable standards.

In February 1992, two new USTs (one 10,000 gallon and one 8,000 gallon) were installed. Those tanks were removed in January 2004. On January 23, 2004, MEA was on-site to conduct post-excavation soil sampling. Soil samples were collected from the sidewalls of the excavation due to the presence of groundwater in the excavation. Two excavation water samples were also collected. Upon receipt and review of the analytical data, it was discovered that the two groundwater samples had exceedances of the Statewide Health Standard (SHS) Medium-Specific Concentrations (MSCs) for MTBE and benzene in groundwater. Table 1 summarizes the volatile organic compounds (VOCs) detected in the groundwater samples collected from the excavation. MEA suspects that the groundwater contamination was the result of recent overfills and spills at the pump, which impacted the shallow water table via migration through areas where the pavement was deteriorated. This is also supported by the fact that the more water-soluble components of gasoline were present. The tank field was slightly downhill of the pumps. Overfills and spills at the pump could have drained into the tank field during rainfall events due to the close proximity (<10 ft) and broken up asphalt.

Through discussions with the PADEP case manager (Mr. Kevin Walker), the only way to get complete project closure for this site was to address the concerns related to the original UST removal conducted in 1992. Therefore, in addition to characterization activities related to the recent tank removal, MEA conducted additional soil sampling in March 2005 to gain closure of the original tank removal.

1.3 Geology

The Geologic Map of Pennsylvania, 1980, locates the Moore Tire site above the Martinsburg Formation. This rock formation consists of gray to dark gray, buff-weathering shale. Abundant, impure sandstone inter-beds may also be present in this formation.

The overburden geology at the site was classified during the installation of the monitoring wells, to depths of 19.5 ft bgs. The monitoring well boring logs are included in Attachment A. Based on site observations, the overburden material below the asphalt pavement, from a depth of 1 ft to 4 ft bgs consisted of light brown silt, some fine sand and fine to coarse gravel. The 4 ft to 8 ft interval exhibited a similar texture but with

moist, orange-red and yellow silt, sand and gravel. The boring profile exhibited few differences to a depth of 19.5 ft.

None of the soil borings/well points or monitoring wells at the site penetrated to bedrock, and therefore, the thickness of the overburden aquifer at the site has not been positively identified. The Soil Survey of Northampton County, Pennsylvania indicates that the overburden thickness is usually greater than four feet in depth and describes the site soils as likely part of the *Belington Series*. Well logs indicate that the material consists of predominately silt, with some sand and gravel.

SECTION 2.0

SITE CHARACTERIZATION

2.1 Soil Characterization

A total of 10 post-excavation soil samples were collected in January 2004 to initially characterize the soil related to the UST system (i.e., tanks, piping, and dispensers) at the Moore Tire site. The samples consisted of four side-wall samples (SS-1 through SS-4), four pump island sump samples (SS-5 through SS-8) and two delivery line samples (SS-9 and SS-10). The location of these samples is depicted on Figure 3. Four additional samples were also collected to gain closure of the original tanks that were removed in February 1992.

2.1.1 Soil Sampling Procedures

All of the post-excavation soil samples were collected and analyzed for VOCs related to unleaded gasoline. Samples were collected in accordance with the solvent-extraction methodology (i.e., Methods 5035/8260B). This methodology requires preparing sample containers with a specific volume of a preservative (either sodium bisulfate or de-ionized water), a stir bar, and a label. The containers are then pre-weighed prior to sampling.

Before filling the sample container, a new, dedicated plastic syringe was tare weighed using a digital field balance and then used to obtain a 5-gram soil aliquot ($\pm$ 0.2 g). The accurately weighed soil sample was then carefully extruded into the sample container, which was subsequently identified with the sample ID, site name, date, time, and sample weight. Two VOA vials, each containing a stir bar and 5-ml of de-ionized water, were collected for low-level volatile analysis. One VOA vial containing 10-ml of purge- and trap-grade methanol was collected for high-level volatile analysis. An additional aliquot of soil was collected from each location and placed in a separate container to be analyzed for dry weight. The soil samples were immediately put on ice and prepared for transport to the laboratory.

2.1.2 Post-Excavation Soil Sample Analytical Results

All of the laboratory analytical results were compared to the SHSs for residential used aquifers. There were no detectable VOC concentrations in any of the soil samples collected in January 2004. The laboratory results are included in Attachment B.

No soil samples were collected from the excavation floor because groundwater was present. Therefore, MEA collected two groundwater samples (SW-1 and SW-2) from the excavation. Further discussion of these samples is presented in the groundwater characterization section of this report.

2.1.3 Soil Sampling Analytical Results for Closure of Original Tank System

On March 31, 2005, MEA collected soil samples from four locations [SS-1 (8-9'), SS-2 (8-9'), SS-3 (8-9'), and SS-8 (8-9')]. Figure 4 illustrates the location of these four soil sample locations. These soil samples were collected to gain closure of the original tanks that were removed in February 1992. The soil samples at each location were collected at a depth of 8-9 feet bgs outside the bounds of the UST excavation to coincide with the intervals for samples collected by Hafer that were in question. None of the soil samples collected had any contaminant concentrations related to gasoline above the laboratory reporting limit. Although the collection of these soil samples was related to the original tanks removed in 1992, the results indicated that soil contamination related to either tank system does not exist. The laboratory analytical data is included in Attachment C.

2.2 Groundwater Characterization

MEA used a combination of "grab" groundwater samples collected from the UST excavation and temporary points (TWPs), and two full rounds of sampling from permanent monitoring wells to characterize the groundwater at the site. The characterization activities are summarized below.

2.2.1 Tank Excavation Groundwater Sampling

MEA collected two groundwater samples (SW-1 and SW-2) from the tank excavation during the UST removal activities in January 2004. The laboratory results (Attachment D) for these samples exhibited detectable concentrations of MTBE and benzene that were above the SHSs. These results are summarized in Table 1. As can be seen in this table, MTBE was detected at concentrations of 42 ug/L in SW-1 and 150 ug/L in SW-2, which both exceeded the SHS of 20 ug/L for MTBE. Benzene was also detected in those samples at concentrations of 6 ug/L in SW-1 and 56 ug/L in SW-2, which exceeded the SHS of 5 ug/L for benzene. There were other compounds detected below the SHSs; these compounds included toluene, ethylbenzene and total xylenes. The results prompted further groundwater characterization, which was achieved through the installation and sampling of seven temporary well points, and subsequent installation and sampling of five permanent monitoring wells.

2.2.2 Temporary Well Points

Temporary well points were installed to determine the proper placement of permanent monitoring wells. Seven temporary well points (TWP-1 through TWP-7) were installed on May 21, 2004 at locations depicted in Figure 5. They were installed to total depths ranging from 13.3 ft bgs at TWP-1 to 22 ft bgs at TWP-5. Groundwater samples were collected on May 21 and 24, 2004 using small-diameter, disposable polyethylene bailers.

2.2.2.1 TWP Analytical Results

The laboratory analytical results revealed detectable concentrations of MTBE in TWP-3 (7 ug/L), TWP-4 (3J ug/L), TWP-6 (5 ug/L) and TWP-7 (9 ug/L). These concentrations were below the SHS of 20 ug/L for MTBE. No other compounds were detected in the temporary well point samples. The analytical results for the TWPs is located in Attachment E.

2.2.3 Rationale for Monitoring Well Locations

Four permanent monitoring wells (MW-1 through MW-4) were installed at the former locations of TWP-3, TWP-4, TWP-6 and TWP-7. These locations were selected based on groundwater flow direction and analytical results from the TWPs. Figure 6 is the Monitoring Well Location Map. The purpose of these wells was to monitor groundwater quality and collect aquifer characteristics.

2.2.4 Monitoring Well Construction

The permanent monitoring wells MW-1 through MW-3 were installed using the same direct-push drilling methods as those used for the TWPs, but with larger prepacked well materials. Due to the low levels of contamination exhibited, the pre-packed wells were installed to save time and money. Monitoring well MW-4 was installed in the UST excavation using hollow-stem augers. This well was a larger diameter well (two-inch) in case a remedial action of pumping the excavation water was needed.

As mentioned in the Section 1.0, a fifth monitoring well was installed at the site on August 31, 2005 (Figure 6). MEA obtained approval from the PADEP case manager for the location of the well and the type of well (i.e., a 1.5-inch pre-pack well). The borehole for MW-5 was drilled using direct-drive methods and an expendable probe point. Therefore, the overburden was not logged at this location.

A 3.25-inch diameter borehole was advanced to the targeted depth for the installation of MW-1, MW-2, MW-3, and MW-5. Monitoring well MW-4 was installed using 6-inch diameter hollow-stem augers. The borehole geology was logged during the drilling activities for the original four monitoring wells. Lithologic descriptions for each of the four original monitoring well boreholes are contained in Attachment A. Monitoring wells MW-1, MW-2, MW-3, and MW-5 were constructed with 1.5-inch, prepacked well screen material. A sand pack around the well screen is held in place by wire mesh and comes pre-made from Geoprobe®. Monitoring well MW-4 was installed using 2-inch, PVC well material. A proper sand pack was installed around the well screens and bentonite seals were installed above the sand packs or prepacked screen. The boreholes were finished with grout to the surface, and flush-mount, protective manholes were installed. Construction details for all the monitoring wells are included in Attachment F. All of the monitoring wells were constructed within the overburden. Figure 6 presents the locations of the five monitoring wells.

2.2.5 Monitoring Well Development

Well development was conducted in order to achieve the following objectives: remove sediments which may have built up in the well and/or screen during installation, stabilize the fine-grained particles in the direct vicinity of the well screen to increase well yield and create a graded zone of sediment around the screen, which decreases the turbidity of the water produced.

Two well development techniques were employed; overpumping and mechanical surging. Overpumping consists of pumping a well at a rate higher than the expected yield. Mechanical surging forces water toward and away from the filter pack causing the sediments to sort from coarse (close to the screen) to fine (further away from the screen). Both bailers and pumps were used to surge the wells. The ultimate result of a properly developed well is sediment-free water at a maximum yield. Since all of the wells were installed as potential recovery wells, pumping and surging was performed until the turbidity of the development fluid was minimal.

2.2.6 Survey

The locations and heights of the wells were surveyed in order to develop a groundwater surface contour map. Using a transit level, tripod, and telescoping leveling rod, the top of casing (TOC) and ground surface elevations were recorded for each well location and converted to relative elevations using 100 feet as the datum. MEA then measured the depths to groundwater in the wells during each sampling event from the TOC and converted them to site-specific elevations. The groundwater elevations were contoured and superimposed onto the site map.

2.2.7 Groundwater Sampling Procedures

Groundwater samples were collected from each well approximately two weeks after development activities (August 9, 2004). Before sampling each well, a minimum of three well volumes was purged unless the well went dry before the target volume was removed. The purge volume was calculated by multiplying the height of the water column in the respective well by the conversion factor of 0.092 gal/ft for a 1.5-inch well and 0.163 gal/ft for a 2-inch well.

All field equipment was new and/or decontaminated prior to mobilizing to the site. The decontamination procedure is described below. The sample containers consisted of 40-ml volatile organic analysis (VOA) vials with Teflon-lined septum caps. MEA delivered the samples to the respective laboratory under proper chain of custody for analysis of volatile organic compounds (VOCs) using USEPA Method 8260B.

2.2.7.1 Decontamination of Equipment

All aqueous sampling tools were cleaned and prepared for field use according to the following procedures:

1. Low phosphate detergent and tap water wash;
2. Tap water rinse;
3. Distilled, de-ionized water rinse;
4. Methanol (pesticide grade) rinse;
5. Distilled, de-ionized water rinse;
6. Air dry.

2.2.7.2 Sample Handling and Storage

The groundwater samples collected from the wells at the Moore Tire site were placed into laboratory-supplied sample containers and were immediately put on ice in a sample cooler. All field conditions and sample procedures/handling were documented in the project logbook.

2.2.7.3 Chain of Custody

To maintain a record of sample collection, transfer between personnel, and shipment and receipt by the laboratory, standard chain of custody forms were completed. The forms were initiated in the field by MEA field personnel and accompanied the samples to the laboratory. Prior to transfer of samples to the laboratory, the chain of custody forms were signed and dated by the sampling representative, who verified that the samples were transferred. The chain of custody forms are included with each set of analytical results.

2.2.8 Groundwater Characterization Analytical Results

MEA sampled the four existing monitoring wells (MW-1 through MW-4) in August and November 2004 for characterization purposes. The analytical results were similar to the results for the TWP samples, and the groundwater flow direction varied slightly in November, but still suggested the monitoring well placement was providing acceptable data. The results for each event are detailed below. Following the receipt of the November 2004 data, MEA anticipated a reduced number of monitoring events to demonstrate groundwater attainment. The analytical results for all of the groundwater sampling events conducted at the site are summarized in Table 2. Analytical data for the August and November 2004 sampling events are included as Attachment G.

2.2.8.1 August 2004

The four permanent monitoring wells (MW-1 through MW-4) were sampled on August 9, 2004. The laboratory analytical results of this sampling event exhibited detectable concentrations of MTBE in samples collected from MW-2, MW-3 and MW-4. These

results were compared to the SHSs and are summarized in Table 2. As can be seen in this table, the detectable concentrations of MTBE in MW-2 (7 ug/L), MW-3 (7 ug/L) and MW-4 (3J ug/L) were below the SHS of 20 ug/L for MTBE. The J indicates that the compound was detected, however, the concentration was below the laboratory reporting limit. No other compounds were detected in any of the wells.

The groundwater elevations for this sampling event are presented in Table 3. The groundwater contours depicted in Figure 7 are representative of static groundwater conditions in the shallow aquifer during this groundwater sampling event. The shallow groundwater flow direction across the site was from the northwest to the southeast.

2.2.8.2 November 2004

All four monitoring wells were sampled on November 3, 2004. The results (Table 2) exhibited detectable, estimated concentrations of MTBE in MW-2 (5J ug/L), MW-3 (4J ug/L) and MW-4 (3J ug/L). These concentrations are below the SHS of 20 ug/L for MTBE. No other VOCs were detected in any of the monitoring well samples.

The groundwater elevations for this sampling event are presented in Table 4. The groundwater contours depicted in Figure 8 are representative of static groundwater conditions in the shallow aquifer during this groundwater sampling event. The shallow groundwater flow direction was from the southwest to the northeast. This flow direction varied nearly 90 degrees when compared to the flow direction observed in August 2004.

SECTION 3.0

GROUNDWATER ATTAINMENT

The following sections discuss the analytical results for the quarterly sampling events conducted after the initial groundwater characterization events and the attainment of the residential, used aquifer groundwater SHS MSCs. As mentioned earlier, all of the soil sample results were in attainment of the current standards.

The results of the two groundwater-sampling events (conducted in August and November 2004) suggested that the concentrations observed in the excavation groundwater samples had possibly attenuated to concentrations less than the most-stringent SHSs. Therefore, MEA proposed to continue with quarterly monitoring to evaluate whether attainment of the SHSs was achievable without active remediation.

The groundwater sampling procedures were the same as described earlier. Tables 3 through 10 summarize the measured static water levels, purge volumes, and relative groundwater elevations. Figures 7 through 14 depict the groundwater contour/flow maps for the quarterly sampling events and the one "spot check" sampling event conducted in October 2005. The analytical results for the groundwater attainment events is included as Attachment H.

3.1 Analytical Results for Attainment Samples

3.1.1 February 2005

The four monitoring wells were sampled during this event and the laboratory analytical results indicated detectable concentrations of MTBE in samples collected from MW-2 and MW-3. These results are summarized in Table 2. As can be seen in this table, the detectable concentrations of MTBE in MW-2 (3J ug/L) and MW-3 (3J ug/L) were below the SHS of 20 ug/L for MTBE. No other compounds were detected in any of the groundwater samples.

The groundwater elevations for this sampling event are presented in Table 5. The groundwater contours depicted in Figure 9 are representative of static groundwater conditions in the shallow aquifer during this groundwater sampling event. The shallow groundwater flow direction across the site was from the northwest to the southeast.

3.1.2 May 2005

The four monitoring wells (MW-1 through MW-4) were again sampled on May 31, 2005. The laboratory analytical results for this sampling event indicated that there were no detectable concentrations of any VOCs in any of the groundwater samples. The results are summarized in Table 2.

The groundwater elevations for this sampling event are presented in Table 6. The groundwater contours depicted in Figure 10 are representative of static groundwater conditions in the shallow aquifer during this groundwater sampling event. The shallow groundwater flow direction varied across the site. In the southeastern portion of the site (near MW-3, the flow direction was from the southeast to the northwest. Near the former excavation, the flow direction was from the southwest to the northeast.

3.2 Rationale for Additional Installation of Downgradient Well

At this point in the project a Site Characterization Report was completed for the site. When the SCR was reviewed, the Pennsylvania Department of Environmental Protection (PADEP) case manager noted that the groundwater flow direction fluctuated toward the on-site supply well during the November 2004 sampling event. Subsequent discussions and review of the May 2005 flow, again indicated flow to the northeast (toward the supply well), where no monitoring well existed. The lack of groundwater analytical data in that direction prompted the case manager to request an additional monitoring well, and a minimum of two sampling events (to include the on-site supply well) to sufficiently characterize the groundwater flow direction and potential impacts.

3.3 Continued Analytical Results for Attainment Samples

After MW-5 was installed to further delineate groundwater flow direction, MEA proceeded to continue to sample the site as before in order to fulfill the attainment monitoring requirements. The following subsections detail the September and October 2005 sampling events as well as the correspondence with PADEP regarding the site.

3.3.1 September 2005

Monitoring well MW-5 was installed at the end of August, and the September 15th sampling event was the first event to include a sample from MW-5. The results are summarized in Table 2 and as can be seen in this table, detectable concentrations of MTBE below the SHS were exhibited in MW-2 (3J ug/L) and MW-3 (4J ug/L). The sample from MW-5 contained 24 ug/L of MTBE, which exceeded the SHS of 20 ug/L. No other compounds were detected in any of the groundwater samples, including the supply well sample.

The groundwater elevations for this sampling event are presented in Table 7. The groundwater contours for this sampling event are depicted in Figure 11. There was a groundwater high around MW-4, which was installed within the backfilled excavation. There was radial flow evident near MW-4, with an overall general flow to the northeast.

3.3.2 October 2005 (MW-5 "Spot Check Sample")

Upon receipt of the September data, MEA decided to verify the presence and concentration of MTBE exhibited in the sample from MW-5. A "spot check" sample was collected from MW-5 only on October 6, 2005. The results are presented in Table 2 and indicate that MTBE was again detected in MW-5; however, the concentration (17 ug/L) was below the SHS of 20 ug/L.

Two weeks later, MEA returned to the site to conduct the scheduled second full round of sampling to include MW-5. The groundwater elevations for this sampling event are presented in Table 8. The only groundwater sample to exhibit a detectable concentration of any VOC was MW-5, which contained an estimated MTBE concentration of 4J ug/L. Again, the supply well sample did not exhibit any detectable VOCs. The groundwater flow direction at the time of this sampling event was to the southeast, as depicted in Figure 12.

3.3.3 PADEP Correspondence

After the SCR was reviewed by PADEP, an email was sent to MEA on November 10, 2005 that stated, "....quarterly monitoring should continue at the site for a minimum of two additional quarters. At that point, if the findings meet the applicable criteria, you can petition the Department for approval of reduction in attainment sampling events." This email is included as Attachment I. As a result of this email, MEA proceeded with the final two attainment sampling events. The two most-recent sampling events were deemed the final two attainment events because the aforementioned criteria stated by PADEP was met.

3.4 Continued Analytical Results for Final Two Attainment Sampling Events

3.4.1 January 2006

The five monitoring wells (MW-1 through MW-5) were sampled on January 26, 2006. The laboratory analytical results for this sampling event indicated that there were no detectable concentrations of any VOCs in any of the groundwater samples except in MW-5. The results are presented in Table 2 and indicate that MTBE was detected in MW-5; however, the concentration (5J ug/L) was below the SHS of 20 ug/L. The supply well sample did not exhibit any detectable VOCs during this sampling event.

The groundwater elevations for this sampling event are presented in Table 9. The groundwater contours depicted in Figure 13 are representative of static groundwater conditions in the shallow aquifer during this groundwater sampling event. The groundwater flow direction at the time of this sampling event was to the southeast.

3.4.2 April 2006

The five monitoring wells (MW-1 through MW-5) were sampled on April 20, 2006. The laboratory analytical results for this sampling event indicated that there were no detectable concentrations of any VOCs in any of the groundwater samples, including the supply well sample. The results are summarized in Table 2.

The groundwater elevations for this sampling event are presented in Table 10. The groundwater contours depicted in Figure 14 are representative of static groundwater conditions in the shallow aquifer during this groundwater sampling event. The groundwater flow direction at the time of this sampling event was to the north-northeast with a groundwater high at MW-2.

SECTION 4.0

CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

Two original USTs (4,000 gallon) of steel construction were removed from the property in February of 1992 by Equipment Installation Specialists, Inc. (EIS). Hafer Petroleum prepared the closure report. During the removal process, visual and olfactory observations of contamination were made. These observations were confirmed by laboratory analysis. All contaminated soil was removed and properly disposed of. Seventeen post-excavation samples were collected and analytical results indicated that the soil was vertically delineated below the applicable standards.

Closure of the original two tanks that were removed in 1992 was not granted by the PADEP due to a lack of horizontal delineation. MEA collected soil samples in March 2005 out in the native soil to gain closure of the original tank system. The analytical results indicated that there was no impacted soil in relation to the original tank excavation.

The site characterization was initiated at Moore Tire in January 2004, during the removal of two unleaded gasoline USTs (10,000 gallon and 8,000 gallon). The removal activities were conducted because the owner, Mr. Thomas Zeiner, no longer had an interest in selling gasoline. Post-excavation soil and groundwater sampling was conducted following the removal of the USTs. The results of these activities indicated that there were no detectable concentrations of VOCs in the soils. The two groundwater samples collected from the tank excavation exhibited concentrations of benzene and MTBE that exceeded the SHSs. MEA believes that the elevated benzene and MTBE concentrations detected in the tank excavation groundwater were a result of overfills and spills at the pump, which impacted the shallow water table due to the deteriorated quality of the surrounding paved areas. These findings prompted further groundwater characterization. Consequently, MEA conducted site characterization activities that included the installation and sampling of temporary well points, the installation of five permanent monitoring wells (MW-1 through MW-5) and aquifer testing.

Initially, only four monitoring wells existed at the site (MW-1 through MW-4). These four wells were sampled four consecutive quarters (August and November 2004, and February 2005 and May 2005). A fluctuating groundwater flow direction prompted the need for a fifth well. Monitoring well MW-5 was installed in August 2005 to evaluate potential impacts in the area between the former excavation and the supply well (which is at times downgradient). Monitoring well MW-5 was sampled in September 2005, twice in October 2005, once in January 2006, and once in April 2006. MW-1 through MW-4 were also sampled in September 2005, January 2006, and April 2006.

The results of the first four sampling events did not exhibit any gasoline-related VOCs above the SHSs in the groundwater, and only MTBE was detected above the laboratory reporting limit. Samples collected from the newly-installed MW-5 in September and October exhibited detectable concentrations of MTBE. The initial sample collected in September (24 ug/L) was slightly above the SHS of 20 ug/L. The two samples collected from this well in October exhibited MTBE, but at concentrations less than the SHS (i.e., 17 ug/L and an estimated 4J ug/L). The samples collected in January and April 2006, exhibited no concentrations of VOCs in any of the monitoring wells.

The Moore Tire supply well has been sampled five times (December 2004, September and October 2005, January and April 2006) and analyzed for the full list of VOCs because it is at times located hydraulically downgradient from the source area. The laboratory results did not exhibit any detectable VOC concentrations for any of the sampling events. It appears the groundwater contamination originally detected in the former tank excavation has not impacted the on-site supply well.

MEA has reviewed the requirements for demonstration of attainment using less than eight quarterly sampling events with respect to MW-5 (i.e., Chapter 250.704). There is adequate spatial monitoring with the current array of monitoring wells, and the contaminant concentrations are less than the SHSs (and usually less than the laboratory reporting limits). Assuming that the relatively low level exceedances observed in the excavation groundwater were related to overfills and spills, the source was removed when the USTs were removed and the tank system was closed.

The additional soil samples collected in native soil from outside the original excavation did not contain any detectable contaminant concentrations related to unleaded gasoline. These soil samples confirmed that no soil contamination exists at the site.

Mr. Zeiner is requesting project closure and liability relief for the soil and groundwater at the site where attainment has been demonstrated in relation to the former USTs.

4.2 Recommendations

MEA recommends that the five monitoring wells be properly abandoned in accordance with Chapter 7 (Well Abandonment Procedures) of the PADEP *Groundwater Monitoring Guidance Manual*. MEA will conduct the well abandonment upon approval for project closure from the PADEP.

ATTACHMENT G

Site Characterization Groundwater Analytical Results

MEA INC.
1365 Ackermanville Road
Bangor, Pennsylvania 18013

MOORE TIRE
Sampled 08/09/04

Sample ID	TB080904	FB080904	MW-1	MW-2	MW-3	MW-4
Lab ID	A0422701XX	A0422702XX	A0422703XX	A0422704XX	A0422705XX	A0422706XX
Date Collected	8/9/04	8/9/04	8/9/04	8/9/04	8/9/04	8/9/04
Date Analyzed	8/9/04	8/9/04	8/9/04	8/9/04	8/9/04	8/9/04
Date Extracted						
Data File	TD470.D	TD471.D	TD472.D	TD475.D	TD476.D	TD477.D
Matrix	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Final Multiplier	1	1	1	1	1	1

Method 8260 GC/MS
Target Parameters

tert-butyl alcohol	50 U	50 U	50 U	50 U	50 U	50 U
tert-Butyl-Methyl-Ether	5 U	5 U	5 U	7	7	3 J
Diisopropyl ether	5 U	5 U	5 U	5 U	5 U	5 U
ethyl-tert-butyl ether	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U
tert-amyl methyl ether	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U
M&P Xylene	10 U	10 U	10 U	10 U	10 U	10 U
O Xylene	5 U	5 U	5 U	5 U	5 U	5 U
Cumene	5 U	5 U	5 U	5 U	5 U	5 U
1,3,5-trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	5 U	5 U	5 U	5 U	5 U	5 U

This report has been reviewed by the person(s) signed below.
This report is accurate to the best of our knowledge.

Analyst(s) Review

Tina L. Drake, Laboratory Director — 8/12/04 Date

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

Phone: (610, 5127

A, INC
1365 Ackermanville Road
Bangor, Pennsylvania

F... (610) 599-5128

CHAIN OF CUSTODY

Client	Project Manager	Date	Chain of Custody Number
MEA INK		8-9-04	
Address	Telephone Number (AreaCode)/Fax Number	Lab Number	Page 1 of 1
		A04227-XX	
City / State / Zip Code	Site Contact	Lab Contact	Project Number/Project Name
			MOORE TIRE

Analysis(es) Requested: 8260

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Sample Weight	Date	Time	MATRIX: Aqueous	Sediment	Soil	#	Container Type	Preservative Type	FOR LABORATORY USE ONLY: Lab ID
TB080904		8-9-04	07:00	X			2	V	HCl	A04227-01-XX
FB080904			10:00	X			2	V	HCl	A04227-02-XX
MW-1			1005	X			3	V	HCl	A04227-03-XX
MW-2			1010	X			2	V	HCl	A04227-04-XX
MW-3			1015	X			2	V	HCl	A04227-05-XX
MW-4			1025	X			2	V	HCl	A04227-06-XX

Sample Archive/Disposal: ☐ Laboratory Standard Other _____ Container Types: E= Encore Sampler, V= VOA Vial, A= 1-Liter Amber, G= Glass Jar, C= Cassette, O= Other _____

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	8-9-04	10:55	1. Received By	8/9/04	1055
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Instructions/Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Return to Client with Report; PINK - Field C...

MEA INC.
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

MOORE TIRE
Quarterly Sampled 110304

Sample ID	FB110304	MW-1	MW-2	MW-3	MW-4	TB110304
Lab ID	B0431302MMM	B0431303MMM	B0431304MMM	B0431305MMM	B0431306MMM	B0431301MMM
Date Collected	11/3/04	11/3/04	11/3/04	11/3/04	11/3/04	11/3/04
Date Analyzed	11/4/04	11/4/04	11/4/04	11/4/04	11/4/04	11/4/04
Date Extracted						
Data File	SV1951.D	SV1952.D	SV1953.D	SV1954.D	SV1955.D	SV1950.D
Matrix	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Final Multiplier	1	1	1	1	1	1

Method 8260 GC/MS
Target Parameters

tert-butyl alcohol	25 U	25 U	25 U	25 U	25 U	25 U
tert-Butyl-Methyl-Ether	5 U	5 U	5 J	4 J	3 J	5 U
Diisopropyl ether	5 U	5 U	5 U	5 U	3 U	5 U
ethyl-tert-butyl ether	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U
tert-amyl methyl ether	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U
M&P Xylene	10 U	10 U	10 U	10 U	10 U	10 U
O Xylene	5 U	5 U	5 U	5 U	5 U	5 U
Cumene	5 U	5 U	5 U	5 U	5 U	5 U
1,3,5-trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	5 U	5 U	5 U	5 U	5 U	5 U

This report has been reviewed by the person(s) signed below.
This report is accurate to the best of our knowledge.

Analyst(s) Review

Tina L. Drake 11/16/04

Tina L. Drake, Laboratory Director Date

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

Phone: (610) 127

, INC
1365 Ackermanville Road
Bangor, Pennsylvania

Fa. (610) 599-5128

CHAIN OF CUSTODY

Client	Project Manager	Date	Chain of Custody Number
MEA INC		11-3-04	
Address	Telephone Number (AreaCode)/Fax Number	Lab Number BD13134MMM	Page 1 of 1
City / State / Zip Code	Site Contact / Lab Contact	Project Number/Project Name	
		Moore Tire	

FOR LABORATORY USE ONLY

Analysis(es) Requested: 8260

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Sample Weight	Date	Time	MATRIX: Aqueous	Sediment	Soil	#	Container Type	Preservative Type	FOR LABORATORY USE ONLY: Lab ID
TB110304		11-3-04		X			2	J	HCl	BD13134MMM
FB110304				X			2	✓	HCl	BD13135MMM
MW-1				X			3	✓	HCl	BD13136MMM
MW-2				X			2	✓	HCl	BD13137MMM
MW-3				X			2	✓	HCl	BD13138MMM
MW-4				X			2	✓	HCl	BD13139MMM

Sample Archive/Disposal: ☐ Laboratory Standard Other _____ Container Types: E= Encore Sampler, V= VOA Vial, A= 1-Liter Amber, G= Glass Jar, C= Cassette, O= Other _____

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): Oxygenate

	Date	Time		Date	Time
1. Relinquished By: [signature]	11-3-04	15:50	1. Received By: A. VanNatta	11-3-04	1550
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Instructions/Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Return to Client with Report; PINK - Field Copy

ATTACHMENT H

Attainment Groundwater Analytical Results

MEA INC.
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

MOORE TIRE
Quarterly Sampled 02/17/05

Sample ID	TB021705	FB021705	MW-1	MW-2	MW-3	MW-4	REPLICATE
Lab ID	B0504801MMM	B0504802MMM	B0504803MMM	B0504804MMM	B0504805MMM	B0504806MMM	B0504807MMM
Date Collected	2/17/05	2/17/05	2/17/05	2/17/05	2/17/05	2/17/05	2/17/05
Date Analyzed	2/23/05	2/23/05	2/23/05	2/23/05	2/23/05	2/23/05	2/23/05
Date Extracted							
Data File	SV4099.D	SV4110.D	SV4111.D	SV4112.D	SV4113.D	SV4107.D	SV4114.D
Dilution Data File(s)							
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor(s)	1	1	1	1	1	1	1

Method 8260 GC/MS
Target Parameters

tert-butyl alcohol	25 U	25 U	25 U	25 U	25 U	25 U	25 U
tert-Butyl-Methyl-Ether	5 U	5 U	5 U	3 J	3 J	5 U	5 U
Diisopropyl ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U
ethyl-tert-butyl ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
tert-amyl methyl ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
M&P Xylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
O Xylene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cumene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3,5-trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	5 U	5 U	5 U	5 U	5 U	5 U	5 U

This report has been reviewed by the person(s) signed below.
This report is accurate to the best of our knowledge.

Analyst(s) Review

Tina L. Drake 3/4/05

Tina L. Drake, Laboratory Director

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

Phone: (610) 5127

., INC
1365 Ackermanville Road
Bangor, Pennsylvania

1 510) 599-5128

CHAIN OF CUSTODY

Client	Project Manager	Date	Chain of Custody Number
MEA		2/17/05	
Address	**Telephone Number (AreaCode)/Fax Number**	**Lab Number**	Page 1 of 1
		B05 [illegible]	
City	**State** / **Zip Code**	**Site Contact**	**Lab Contact**

Project Number/Project Name: MOORE TIRE 1/4

FOR LABORATORY USE ONLY

Analysis(es) Requested: 8260

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Sample Weight	Date	Time	MATRIX: Aqueous	Sediment	Soil		#	Container Type	Preservative Type	FOR LABORATORY USE ONLY: Lab ID
TB 021705		2/17/05	7:00	X				2	V	HCl	B05 [illegible]
FB 021705			10125	X				2	V	HCl	B05 [illegible]
MW1			10130	X				2	V	HCl	B05 [illegible]
MW2			10135	X				2	V	HCl	B05 [illegible]
MW3			10140	X				2	V	HCl	B05 [illegible]
MW4			10145	X				3	V	HCl	B05 [illegible]
Replicate			—	X				2	V	HCl	B05 [illegible]

Sample Archive/Disposal: ☐ Laboratory Standard Other _____ Container Types: E= Encore Sampler, V= VOA Vial, A= 1-Liter Amber, G= Glass Jar, C= Cassette, O= Other _____

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	2/17/05	1530	1. Received By S. VanNatta	21705	1330
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Instructions/Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Return to Client with Report; PINK - Field Copy

MEA INC.
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

MOORE TIRE & SERVICE
Quarterly Sampled 05/31/05

Sample ID	FB053105	MW-1	MW-2	MW-3	MW-4	REPLICATE	TB053105
Lab ID	B0515102MMM	B0515103MMM	B0515106MMM	B0515105MMM	B0515104MMM	B0515107MMM	B0515101MMM
Date Collected	5/31/05	5/31/05	5/31/05	5/31/05	5/31/05	5/31/05	5/31/05
Date Analyzed	6/1/05	6/1/05	6/1/05	6/1/05	6/1/05	6/1/05	6/1/05
Date Extracted							
Data File	SV5951.D	SV5952.D	SV5953.D	SV5954.D	SV5955.D	SV5956.D	SV5950.D
Dilution Data File(s)							
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor(s)	1	1	1	1	1	1	1
Method 8260 GC/MS							
Target Parameters							
tert-butyl alcohol	25 U	25 U	25 U	25 U	25 U	25 U	25 U
tert-Butyl-Methyl-Ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Diisopropyl ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U
ethyl-tert-butyl ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
tert-amyl methyl ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
M&P Xylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
O Xylene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cumene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3,5-trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	5 U	5 U	5 U	5 U	5 U	5 U	5 U

This report has been reviewed by the person(s) signed below.
This report is accurate to the best of our knowledge.

Analyst(s) Review

Tina L. Drake 6/14/05
Tina L. Drake, Laboratory Director Date

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

Phone: (610) 599-5127

MEA INC
1365 Ack[illegible]ville Road
Bangor, Pennsylvania

Fax [illegible]0) 599-5128

CHAIN OF CUSTODY

Client	Project Manager	Date	Chain of Custody Number
MEA		5/31/05	
Address	Telephone Number (AreaCode)/Fax Number	Lab Number BD5151 MMM	Page 1 of 1
City / State / Zip Code	Site Contact / Lab Contact	Project Number/Project Name Moore TPC Qtly	

FOR LABORATORY USE ONLY

Analysis(es) Requested: 8260

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Sample Weight	Date	Time	MATRIX: Aqueous	Sediment	Soil	#	Container Type	Preservative Type	FOR LABORATORY USE ONLY: Lab ID
TB053105		5/31/05	0700	✓			2	V	HCL	BD5151 01 MMM
FB 053105			0855	✓			2	V	HCL	BD5151 02 MMM
MW -1			0905	✓			2	V	HCL	BD5151 03 MMM
MW -4			0910	✓			2	V	HCL	BD5151 04 MMM
MW -3			0918	✓			2	V	HCL	BD5151 05 MMM
MW -2			0927	✓			3	V	HCL	BD5151 06 MMM
Replicate				✓			2	V	HCL	BD5151 07 MMM

Sample Archive/Disposal: ☐ Laboratory Standard Other_____ Container Types: E= Encore Sampler, V= VOA Vial, A= 1-Liter Amber, G= Glass Jar, C= Cassette, O= Other _____

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	053105	1630	1. Received By D. VanNatta	5-31-05	1030
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Instructions/Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Return to Client with Report; PINK - Field Copy

MEA INC.
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

MOORE TIRE
Quarterly Sampled 09/15/05

Sample ID	FB091505	MW-1	MW-2	MW-3	MW-4	MW-5	REPLICATE	TB091505
Lab ID	B0525907MMM	B0525902MMM	B0525903MMM	B0525904MMM	B0525905MMM	B0525906MMM	B0525908MMM	B0525901MMM
Date Collected	9/15/05	9/15/05	9/15/05	9/15/05	9/15/05	9/15/05	9/15/05	9/15/05
Date Analyzed	9/20/05	9/20/05	9/20/05	9/20/05	9/20/05	9/20/05	9/20/05	9/20/05
Date Extracted								
Data File	SD364.D	SD365.D	SD366.D	SD367.D	SD368.D	SD369.D	SD370.D	SD363.D
Dilution Data File(s)								
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Final Multiplier	1	1	1	1	1	1	1	1

Method 8260B GC/MS - System #1

Target Parameters

tert-butyl alcohol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
tert-Butyl-Methyl-Ether	5 U	5 U	3 J	4 J	5 U	24	4 J	5 U
Diisopropyl ether	5 U	5 U	5 U	5 U	5 U	5 U	3 U	5 U
ethyl-tert-butyl ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
tert-amyl methyl ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
M&P Xylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
O Xylene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cumene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3,5-trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

This report has been reviewed by the person(s) signed below.
This report is accurate to the best of our knowledge.

Analyst(s) Review

Tina L. Drake 10/3/05

Tina L. Drake, Laboratory Director Date

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

Phone: (610) 599-5127

MEA INC
1365 Ackermanville Road
Bangor, Pennsylvania

Fax: (610) 599-5128

CHAIN OF CUSTODY

Client	Project Manager	Date	Chain of Custody Number
MEA INC	Mark Ellis	9/15/05	1
Address	**Telephone Number (AreaCode)/Fax Number**	**Lab Number**	**Page**
1365 Ackermanville Rd	610-599-5127	B05259 MMM	Page 1 of 1
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	**Project Number/Project Name**
Bangor / PA / 18013			Moore Tire Quarterly Sampling E

FOR LABORATORY USE ONLY
Laboratory Project No:
Storage Refrigerator ID:
Storage Freezer ID:
Secured: Yes / No

Analysis(es) Requested: 8260

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Sample Weight	Date	Time	MATRIX: Aqueous	Sediment	Soil		#	Container Type	Preservative Type	FOR LABORATORY USE ONLY: Lab ID
TB091505		9/15/05	0700	✓			✓	2	V	HCL	B05259-01 MMM
MW-1		9/15/05	1025	✓			✓	3	V	HCL	B05259-02 MMM
MW-2		9/15/05	1035	✓			✓	2	V	HCL	B05259-03 MMM
MW-3		9/15/05	1055	✓			✓	2	V	HCL	B05259-04 MMM
MW-4		9/15/05	1115	✓			✓	2	V	HCL	B05259-05 MMM
MW-5		9/15/05	1105	✓			✓	2	V	HCL	B05259-06 MMM
FB091505		9/15/05	1120	✓			✓	2	V	HCL	B05259-07 MMM
Replicate		9/15/05		✓			✓	2	V	HCL	B05259-08 MMM

Sample Archive/Disposal: ☐ Laboratory Standard Other _____ Container Types: E= Encore Sampler, V= VOA Vial, A= 1-Liter Amber, G= Glass Jar, C= Cassette, O= Other _____

Turn Around Time Required: ☒ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): OXY + UNLEADED

	Date	Time		Date	Time
1. Relinquished By	9/15/05	1200	1. Received By J. Davis	9-16-05	0900
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Instructions/Comments: Lockbox #1

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Return to Client with Report; PINK - Field Copy

MEA INC.
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

MOORE TIRE
MW-5 Sampled 10/06/05

Sample ID	**MW-5**
Lab ID	D0528001MMM
Date Collected	10/6/05
Date Analyzed	10/7/05
Date Extracted	
Data File	SD709.D
Dilution Data File(s)	
Matrix	WATER
Units	ug/L
Final Multiplier	1

Method 8260B GC/MS - System #1
Target Parameters

tert-butyl alcohol	25 U
tert-Butyl-Methyl-Ether	17
Diisopropyl ether	5 U
ethyl-tert-butyl ether	5 U
Benzene	5 U
tert-amyl methyl ether	5 U
Toluene	5 U
Ethylbenzene	5 U
M&P Xylene	10 U
O Xylene	5 U
Cumene	5 U
1,3,5-trimethylbenzene	5 U
1,2,4-trimethylbenzene	5 U
Naphthalene	5 U

This report has been reviewed by the person(s) signed below.
This report is accurate to the best of our knowledge.

Analyst(s) Review

Tina L. Drake 10/13/05

Tina L. Drake, Laboratory Director Date

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

Phone: (610) 599-5127

MEA [illegible]C
1365 Ackerm[illegible]lle Road
Bangor, Pennsylvania

Fax: ([illegible] 599-5128

CHAIN OF CUSTODY

Client: MEA Inc	Project Manager: Mark E71.S	Date: 10-6-05	Chain of Custody Number
Address: 1365 Ackermanville Rd	Telephone Number (AreaCode)/Fax Number	Lab Number: [illegible]	Page 1 of 1
City: Bangor / State: PA / Zip Code: 18013	Site Contact	Lab Contact	Project Number/Project Name: Moore Tire Spotcheck MW-5

FOR LABORATORY USE ONLY
Laboratory Project No:
Storage Refrigerator ID:
Storage Freezer ID:
Secured: Yes / No

Analysis(es) Requested: 8260

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Sample Weight	Date	Time	MATRIX: Aqueous	Sediment	Soil	8260	#	Container Type	Preservative Type	FOR LABORATORY USE ONLY: Lab ID
MW-5		10-6-05	0720	X			X	3	V	HCl	[illegible]

Sample Archive/Disposal: ☐ Laboratory Standard Other_____ Container Types: E= Encore Sampler, V= VOA Vial, A= 1-Liter Amber, G= Glass Jar, C= Cassette, O= Other _____

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): unleaded gas parameters

	Date	Time		Date	Time
1. Relinquished By: [signature]	10/6/05	0755	1. Received By: [signature] Dius	10-7 05	0930
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Instructions/Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Return to Client with Report; PINK - Field Copy

MEA INC.
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

MOORE TIRE
Quarterly Sampled 10/20/05

Sample ID	MW-1	MW-2	MW-3	MW-4	MW-5	REPLICATE	TB102005	FB102005
Lab ID	C0529402MMM	C0529403MMM	C0529404MMM	C0529405MMM	C0529406MMM	C0529407MMM	C0529401MMM	C0529408MMM
Date Collected	10/20/05	10/20/05	10/20/05	10/20/05	10/20/05	10/20/05	10/20/05	10/20/05
Date Analyzed	10/29/05	10/29/05	10/29/05	10/29/05	10/29/05	10/29/05	10/29/05	10/29/05
Date Extracted								
Data File	SD253.D	SD254.D	SD255.D	SD250.D	SD256.D	SD257.D	SD248.D	SD249.D
Dilution Data File(s)								
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Final Multiplier	1	1	1	1	1	1	1	1

Method 8260B GC/MS - System #1

Target Parameters

tert-butyl alcohol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
tert-Butyl-Methyl-Ether	5 U	5 U	5 U	5 U	4 J	5 U	5 U	5 U
Diisopropyl ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
ethyl-tert-butyl ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
tert-amyl methyl ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
M&P Xylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
O Xylene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cumene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3,5-trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

This report has been reviewed by the person(s) signed below.
This report is accurate to the best of our knowledge.

Analyst(s) Review

Tina L. Drake 11/3/05

Tina L. Drake, Laboratory Director Date

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

Phone: (610) 59. .7

ML .NC
1365 Ackermanville Road
Bangor, Pennsylvania

Fax: . .J) 599-5128

CHAIN OF CUSTODY

Client	Project Manager	Date	Chain of Custody Number
MEA Inc.	Mark Ellis	10/20/05	
Address	**Telephone Number (AreaCode)/Fax Number**	**Lab Number**	**Page**
1365 Ackermanville Rd	6105995127 / 6105995128	005294MMM	Page 1 of 1
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	**Project Number/Project Name**
Bangor / PA / 18013			Moore Tire Center (Quarterly

FOR LABORATORY USE ONLY
Laboratory Project No.:
Storage Refrigerator ID:
Storage Freezer ID:
Secured: Yes / No

Analysis(es) Requested: 8260

Sample Condition Upon Receipt:

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Sample Weight	Date	Time	MATRIX: Aqueous	Sediment	Soil	#	Container Type	Preservative Type	FOR LABORATORY USE ONLY: Lab ID
TB102005		10/20/05	0700	X			2	V	HCl	005/294/01/MMM
mw-1			1430	X			2	V	HCl	005/294/02/MMM
mw-2			1435	X			2	V	HCl	005/294/03/MMM
mw-3			1425	X			2	V	HCl	005/294/04/MMM
mw-4			1415	X			3	V	HCl	005/294/05/MMM
mw-5			1440	X			2	V	HCl	005/294/06/MMM
Replicate			—	X			2	V	HCl	005/294/07/MMM
FB102005			1445	X			2	V	HCl	005/294/08/MMM

Sample Archive/Disposal: ☐ Laboratory Standard Other _____ Container Types: E= Encore Sampler, V= VOA Vial, A= 1-Liter Amber, G= Glass Jar, C= Cassette, O= Other _____

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	10/20/05	1536	1. Received By J. Davis	10-21-05	1055
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Instructions/Comments: samples in Box #3

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Return to Client with Report; PINK - Field Copy

Environmental Laboratory Program
Pennsylvania Registration No. 48-982

MEA INC.

Anayltical Services
1365 Ackermanville Road
Bangor, Pennsylvania 18013

Tel. (610) 588-3445
Fax (610) 588-3343

ANALYTICAL REPORT

Client: MEA INC. - Becca Gross
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

PROJECT: MOORE TIRE (Quarterly)

Serial No: B06027MMM

Sample ID	TB012606	FB012606	MW-1	MW-2	MW-3	MW-4	MW-5	REPLICATE
Lab ID	B0602701MMM	B0602702MMM	B0602703MMM	B0602704MMM	B0602705MMM	B0602706MMM	B0602707MMM	B0602708MMM
Date Collected	1/26/06	1/26/06	1/26/06	1/26/06	1/26/06	1/26/06	1/26/06	1/26/06
Date Analyzed	2/1/06	2/1/06	2/1/06	2/1/06	2/1/06	2/1/06	2/1/06	2/1/06
Date Extracted								
Data File	SD133.D	SD134.D	SD135.D	SD136.D	SD137.D	SD138.D	SD139.D	SD140.D
Dilution Data File(s)								
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Final Multiplier	1	1	1	1	1	1	1	1
Method 8260B GC/MS - System #1								
Target Parameters								
tert-butyl alcohol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
tert-Butyl-Methyl-Ether	5 U	5 U	5 U	5 U	5 U	5 U	5 J	5 U
Diisopropyl ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
ethyl-tert-butyl ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
tert-amyl methyl ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
M&P Xylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
O Xylene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cumene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3,5-trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

This report has been reviewed by the person(s) signed below.
This report is accurate to the best of our knowledge.

Analyst(s) Review

Tina L. Drake 2/6/06

Tina L. Drake, Laboratory Director Date

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

Phone: (610) 599-5127

MEA, INC
1365 Ackermanville Road
Bangor, Pennsylvania

Fax: (610) 599-5128

CHAIN OF CUSTODY

Client: MEA INC	Project Manager: Becca Gross	Date: 1-26-06	Chain of Custody Number
Address: 1365 Ackermanville Rd	Telephone Number (AreaCode)/Fax Number	Lab Number: B060274MM	Page 1 of 1
City: BANGOR / State: PA / Zip Code: 18013	Site Contact	Lab Contact	Project Number/Project Name: Moore Tire (Quarterly)

FOR LABORATORY USE ONLY
Laboratory Project No:
Storage Refrigerator ID:
Storage Freezer ID:
Secured: Yes ___ No ___

Analysis(es) Requested: 8260B

Sample Condition Upon Receipt:

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Sample Weight	Date	Time	MATRIX: Aqueous	Sediment	Soil	#	Container Type	Preservative Type	FOR LABORATORY USE ONLY: Lab ID
TB012606		1.26.06	0700	X			2	V	HCl	B060274-01-MMM
FB012606			1235	X			2	V	HCl	B060274-02-MMM
MW-1			1325	X			3	V	HCl	B060274-03-MMM
MW-2			1310	X			2	V	HCl	B060274-04-MMM
MW-3			1315	X			2	V	HCl	B060274-05-MMM
MW-4			1330	X			2	V	HCl	B060274-06-MMM
MW-5			1340	X			2	V	HCl	B060274-07-MMM
Replicate		"	—	X			2	V	HCl	B060274-08-MMM

Sample Archive/Disposal: ☐ Laboratory Standard Other ___ Container Types: E= Encore Sampler, V= VOA Vial, A= 1-Liter Amber, G= Glass Jar, C= Cassette, O= Other ___

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ___

QC Requirements (Specify): unleaded GAS + Oxygenates

	Date	Time		Date	Time
1. Relinquished By: MM	1-26-06	1710	1. Received By: J. Davis	1-27-06	1245
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Instructions/Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Return to Client with Report; PINK - Field Copy

MEA INC.

Anayltical Services
1365 Ackermanville Road
Bangor, Pennsylvania 18013

Tel. (610) 588-3445
Fax (610) 588-3343

Environmental Laboratory Program
PADEP (NELAP) Certification No. 48-00982

ANALYTICAL REPORT

Client: MEA INC. - Mark Ellis
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

PROJECT: Moore Tire (Quarterly)

Serial No: A06113MMM

Sample ID	TB042006	FB042006	MW-1	MW-2	MW-3	MW-4	MW-5	REPLICATE
Lab ID	A0611301MMM	A0611302MMM	A0611303MMM	A0611304MMM	A0611305MMM	A0611306MMM	A0611307MMM	A0611308MMM
Date Collected	4/20/06	4/20/06	4/20/06	4/20/06	4/20/06	4/20/06	4/20/06	4/20/06
Date Analyzed	4/23/06	4/23/06	4/23/06	4/23/06	4/23/06	4/23/06	4/23/06	4/23/06
Date Extracted								
Data File	SD889.D	SD890.D	SD891.D	SD894.D	SD895.D	SD896.D	SD897.D	SD898.D
Dilution Data File(s)								
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Final Multiplier	1	1	1	1	1	1	1	1
Method 8260B GC/MS System 1								
Target Parameters								
tert-butyl alcohol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
tert-Butyl-Methyl-Ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Diisopropyl ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
ethyl-tert-butyl ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
tert-amyl methyl ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
M&P Xylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
O Xylene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cumene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3,5-trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

This report has been reviewed by the person(s) signed below.
This report is accurate to the best of our knowledge.

Analyst(s) Review

Tina L. Drake 4/27/06

Tina L. Drake, Laboratory Director Date

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

Phone: (610) 588-3445

MEA, INC
Analytical Services
1365 Ackermanville Road
Bangor, Pennsylvania

Fax: (610) 588-3343

CHAIN OF CUSTODY

Client: MEA INC	Project Manager: MARK ELLIS	Date: 4.20.06	Chain of Custody Number
Address: 1365 Ackermanville Rd	Telephone Number (AreaCode)/Fax Number	Lab Number: ADE113MMM	Page 1 of 1
City: Bangor / State: PA / Zip Code: 18013	Site Contact	Lab Contact	Project Number/Project Name: Moore Tire (Quarterly)

FOR LABORATORY USE ONLY

Laboratory Project No: _____

Storage Refrigerator ID: _____

Storage Freezer ID: _____

Secured: Yes ____ No ____

Analysis(es) Requested: 8260B

Sample Condition Upon Receipt: _____

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Sample Weight	Date	Time	MATRIX: Aqueous	Sediment	Soil	#	Container Type	Preservative Type	FOR LABORATORY USE ONLY: Lab ID
TB042006		4-20-06	0700	X			2	V	HCL	ADE113-01-MMM
FB042006			0940	X			2	V	HCL	ADE113-02-MMM
MW-1			0950	X			3	V	HCL	ADE113-03-MMM
MW-2			1000	X			2	V	HCL	ADE113-04-MMM
MW-3			1005	X			2	V	HCL	ADE113-05-MMM
MW-4			1015	X			2	V	HCL	ADE113-06-MMM
MW-5			1020	X			2	V	HCL	ADE113-07-MMM
Replicate			-	X			2	V	HCL	ADE113-08-MMM

Sample Archive/Disposal: ☐ Laboratory Standard Other _____ Container Types: E= Encore Sampler, V= VOA Vial, A= 1-Liter Amber, G= Glass Jar, C= Cassette, O= Other _____

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): unbuffered GAS + oxygenates

	Date	Time		Date	Time
1. Relinquished By	4-20-06	1500	1. Received By: J. Davis	4-21-06	1230
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Instructions/Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Return to Client with Report; PINK - Field Copy

ATTACHMENT I

PADEP Email Correspondence

Main Identity

From: "Walker, Kevin" <kewalker@state.pa.us>
To: "MEA Inc" <meainc@enter.net>
Cc: "Thompson, Thomas" <thothompso@state.pa.us>
Sent: Thursday, November 10, 2005 10:11 AM
Subject: Moore Tire

Mark,

The Department has reviewed the Site Characterization and Remedial Action Plan report and the offers the following comments regarding the report.

1) A groundwater flow direction map is needed for the temporary well points that were originally installed.
2) Sampling of onsite supply well needs to be conducted to determine if it has been impacted by contamination from the release being investigated. Also, any construction details or geologic logs for this well should be provided.
3) On Page 11 the reference to "bedrock aquifer" needs to be corrected.
4) Revisions will need to be made related to findings (e.g. groundwater flow, contaminant plume, etc.).
5) On Page 4 there is a reference to "surface water samples" being collected. This needs to be corrected.
6) Slug testing of micro-wells may give you inaccurate results for the groundwater characteristics, especially in anisotropic aquifers, and is not recommended.

Please provide responses/revisions regarding the above, allowing a sufficient amount of time for the Department to review and comment on your responses/revisions within the current review timeframe.

Also, regarding the proposed plan, quarterly monitoring should continue at this site for a minimum of two (2)additional quarters. At that point, if the findings meet the applicable criteria, you can petition the Department for approval of reduction in attainment sampling events.

Sincerely,

Kevin Walker
Geologic Specialist
PADEP/NERO/ECP/UST

Appendix J

Qualifications of Environmental Professional

MEA INC.
1365 Acker[illegible]
Bangor, Pennsylvania 18013

February 21, 2008

Mr. Tom Zeiner
Moore Tire Center
2164 Community Drive
Bath, PA 18014

Subject: **Supply Well Sample Results – Torque 4X4 Property**

Dear Mr. Zeiner,

Please find included with this letter a copy of the analytical results for samples collected from the supply well associated with the Torque 4X4 property located at 2158 Community Drive on January 29, 2008. Mobile Environmental Analytical, Inc. (MEA) collected a groundwater sample from the bathroom sink.

The analytical results for the sample collected from the associated supply well were reported non-detect for all analyzed compounds (indicated by the "U" qualifier).

As explained to you earlier, there will not be any cost to you for sampling your supply well. MEA would like to sample your supply well in the future to monitor groundwater as part of the investigation related to this project site. A copy of these results was provided to the Pennsylvania Department of Environmental Protection for review. If you have any questions, please call me or Mr. Mark Ellis P.G., at 610-599-5127.

Sincerely,

Gregg J. Walters
Associate Environmental Scientist
MEA, Inc.

CC: Torque 4X4

MEA INC.

Analytical Services
1365 Ackermanville Road
Bangor, Pennsylvania 18013

- Environmental Laboratory Program
- PADEP (NELAP) Certification No. 48-00982

Tel. (610) 588-3445
Fax (610) 588-3343

ANALYTICAL REPORT

Client: MEA INC. - Gregg Walters
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

PROJECT: Shop Quikl IV - Torque 4X4 SW 012908
Serial No: B08031AN

Sample ID	TORQUE 012908
Lab ID	B0803101AN
Date Collected	1/29/08
Date Analyzed	2/6/08
Date Extracted	
Data File	SD366.D
Dilution Data File(s)	
Matrix	WATER
Units	ug/L
Final Multiplier	1

Method 8260B GC/MS System 1

Target Parameters

Dichlorodifluoromethane	5 U
Chloromethane	5 U
Vinyl Chloride	5 U
Bromomethane	5 U
Chloroethane	5 U
Trichlorofluoromethane	5 U
1,1-Dichloroethene	5 U
Methylene Chloride	5 U
tert-butyl alcohol	25 U
trans 1-2 dichloroethene	5 U
tert-Butyl-Methyl-Ether	1 U
1,1-Dichloroethane	5 U
Diisopropyl ether	5 U
ethyl-tert-butyl ether	5 U
2,2-Dichloropropane	5 U
cis 1,2-Dichloroethene	5 U
Bromochloromethane	5 U
Chloroform	5 U
1,1,1-Trichloroethane	5 U
Carbon Tetrachloride	5 U
1,1-Dichloropropene	5 U
Benzene	5 U
1,2-Dichloroethane	5 U
tert-amyl methyl ether	5 U
Trichloroethene	5 U
1,2-Dichloropropane	5 U
Dibromomethane	5 U
Bromodichloromethane	5 U
cis-1,3-Dichloropropene	5 U
trans-1,3-Dichloropropene	5 U
1,1,2-Trichloroethane	5 U
1,3-Dichloropropane	5 U
Dibromochloromethane	5 U
1,2-Dibromoethane	5 U
Bromoform	5 U

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

MEA INC.

Analytical Services
1365 Ackermanville Road
Bangor, Pennsylvania 18013

- Environmental Laboratory Program
- PADEP (NELAP) Certification No. 48-00982

Tel. (610) 588-3445
Fax (610) 588-3343

Client: MEA INC. - Gregg Walters
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

PROJECT: Shop Quikl IV - Torque 4X4 SW 012908
Serial No: B08031AN

Sample ID	TORQUE 012908
Lab ID	B0803101AN
Date Collected	1/29/08
Date Analyzed	2/6/08
Date Extracted	
Data File	SD366.D
Dilution Data File(s)	
Matrix	WATER
Units	ug/L
Final Multiplier	1
Toluene	5 U
Tetrachloroethene	5 U
Chlorobenzene	5 U
Ethylbenzene	5 U
1,1,1,2-tetrachloroethane	5 U
M&P Xylene	10 U
O Xylene	5 U
Styrene	5 U
Cumene	5 U
Bromobenzene	5 U
1,1,2,2-Tetrachloroethane	5 U
n-propylbenzene	5 U
1,2,3-Trichloropropane	5 U
2-chlorotoluene	5 U
1,3,5-trimethylbenzene	5 U
4-chlorotoluene	5 U
tert-butylbenzene	5 U
1,2,4-trimethylbenzene	5 U
sec-butylbenzene	5 U
1,3-Dichlorobenzene	5 U
p-isopropyltoluene	5 U
1,2-Dichlorobenzene	5 U
n-butylbenzene	5 U
1,4-Dichlorobenzene	5 U
1,2-dibromo-3-chloropropane	5 U
1,2,4-trichlorobenzene	5 U
Hexachlorobutadiene	5 U
Naphthalene	5 U
1,2,3-trichlorobenzene	5 U

This report has been reviewed by the person(s) signed below.

This report is accurate to the best of our knowledge.

Analyst(s) Review

Tina L. Drake 2/11/08

Tina L. Drake, Laboratory Director Date

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

Phone: (610) 588-3445

MEA, INC
Analytical Services
1365 Ackermanville Road
Bangor, Pennsylvania 18013

Fax: (610) 588-3343

CHAIN OF CUSTODY

Client: MEA, Inc.	Project Manager: Gregg Walters	Date: 1/29/08	Chain of Custody Number
Address: 1365 Ackermanville Road	Telephone Number (AreaCode)/Fax Number: 610-599-5127	Lab Number: B08031 AN	Page 1 of 1
City: Bangor / State: PA / Zip Code: 18013	Site Contact	Lab Contact	Project Number/Project Name: ~~TG~~ Shop Quick Lk - Torque 4X4 SW 013908

FOR LABORATORY USE ONLY

Laboratory Project No: _____

Storage Refrigerator ID: _____

Storage Freezer ID: _____

Secured: Yes _____ No _____

Analysis(es) Requested: 8260B

Sample Condition Upon Receipt: _____

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Sample Weight	Date	Time	MATRIX: Aqueous	Sediment	Soil	#	Container Type	Preservative Type	FOR LABORATORY USE ONLY: Lab ID
Torque 013908		1/28/08	1455	X			2	V	HCl	B08/031/01/AN

Container Types: E= Encore Sampler, V= VOA Vial, A= 1-Liter Amber, G= Glass Jar, C= Cassette, O= Other _____

Sample Archive/Disposal: ☐ Laboratory Standard Other _____

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Gregg T. Walters	1/29/08	0715	1. Received By: J. Davis	1-30-08	0715
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Instructions/Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Return to Client with Report; PINK - Field Copy

August 1, 2008

Mr. Tom Zeiner
Moore Tire Center
2164 Community Drive
Bath, PA 18014

Subject: **Supply Well Sample Results – Torque 4X4 Property**

Dear Mr. Zeiner,

Please find included with this letter a copy of the analytical results for samples collected from the supply well associated with the Torque 4X4 property located at 2158 Community Drive July 22, 2008. Mobile Environmental Analytical, Inc. (MEA) collected a groundwater sample from the bathroom sink.

The analytical results for the sample collected from the associated supply well were reported non-detect for all analyzed compounds (indicated by the "U" qualifier).

A copy of these results was provided to the Pennsylvania Department of Environmental Protection for review. If you have any questions, please call me or Mr. Mark Ellis P.G., at 610-599-5127.

Sincerely,

Gregg J. Walters
Associate Environmental Scientist
MEA, Inc.

CC: Torque 4X4

MEA INC.

Analytical Services
1365 Ackermanville Road
Bangor, Pennsylvania 18013

Tel. (610) 588-3445
Fax (610) 588-3343

- Environmental Laboratory Program
- PADEP (NELAP) Certification No. 48-00982

ANALYTICAL REPORT

Client: MEA INC. - Gregg Walters
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

PROJECT: Shop Quik IV Torque SW
Serial No: B08205AN

Sample ID	TORQUE SW
Lab ID	B0820501AN
Date Collected	7/22/08
Date Analyzed	7/29/08
Date Extracted	
Data File	TD356.D
Dilution Data File(s)	
Matrix	WATER
Units	ug/L
Final Multiplier	1

Method 8260B GC/MS System 1
Target Parameters

Dichlorodifluoromethane	5 U
Chloromethane	5 U
Vinyl Chloride	5 U
Bromomethane	5 U
Chloroethane	5 U
Trichlorofluoromethane	5 U
1,1-Dichloroethylene	5 U
Methylene Chloride	5 U
tert-butyl alcohol	25 U
trans 1-2 dichloroethene	5 U
tert-Butyl-Methyl-Ether	1 U
1,1-Dichloroethane	5 U
Diisopropyl ether	5 U
ethyl-tert-butyl ether	5 U
2,2-Dichloropropane	5 U
cis 1,2-Dichloroethene	5 U
Bromochloromethane	5 U
Chloroform	5 U
1,1,1-Trichloroethane	5 U
Carbon Tetrachloride	5 U
1,1-Dichloropropene	5 U
Benzene	1 U
1,2-Dichloroethane	5 U
tert-amyl methyl ether	5 U
Trichloroethene	5 U
1,2-Dichloropropane	5 U
Dibromomethane	5 U
Bromodichloromethane	5 U
cis-1,3-Dichloropropene	5 U
trans-1,3-Dichloropropene	5 U
1,1,2-Trichloroethane	5 U
1,3-Dichloropropane	5 U
Chlorodibromomethane	5 U
1,2-Dibromoethane	2 U
Bromoform	5 U
Toluene	1 U
Tetrachloroethene	5 U
Chlorobenzene	5 U

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

MEA INC.

Analytical Services
1365 Ackermanville Road
Bangor, Pennsylvania 18013

- Environmental Laboratory Program
- PADEP (NELAP) Certification No. 48-00982

Tel. (610) 588-3445
Fax (610) 588-3343

ANALYTICAL REPORT

Client: MEA INC. - Gregg Walters
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

PROJECT: Shop Quik IV Torque SW
Serial No: B08205AN

Sample ID	TORQUE SW
Lab ID	B0820501AN
Date Collected	7/22/08
Date Analyzed	7/29/08
Date Extracted	
Data File	TD356.D
Dilution Data File(s)	
Matrix	WATER
Units	ug/L
Final Multiplier	1
Ethylbenzene	5 U
1,1,1,2-tetrachloroethane	5 U
M&P Xylene	10 U
O Xylene	5 U
Styrene	5 U
Cumene	5 U
Bromobenzene	5 U
1,1,2,2-Tetrachloroethane	5 U
n-propylbenzene	5 U
1,2,3-Trichloropropane	5 U
2-chlorotoluene	5 U
1,3,5-trimethylbenzene	5 U
4-chlorotoluene	5 U
tert-butylbenzene	5 U
1,2,4-trimethylbenzene	5 U
sec-butylbenzene	5 U
1,3-Dichlorobenzene	5 U
p-isopropyltoluene	5 U
1,2-Dichlorobenzene	5 U
n-butylbenzene	5 U
1,4-Dichlorobenzene	5 U
1,2-dibromo-3-chloropropane	5 U
1,2,4-trichlorobenzene	5 U
Hexachlorobutadiene	5 U
Naphthalene	5 U
1,2,3-trichlorobenzene	5 U

This report has been reviewed by the person(s) signed below.
This report is accurate to the best of our knowledge.

Analyst(s) Review

Tina L. Drake 7/31/08

Tina L. Drake, Laboratory Director Date

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

Phone: (610) 588-3445

MEA, INC
Analytical Services
1365 Ackermanville Road
Bangor, Pennsylvania 18013

Fax: (610) 588-3343

CHAIN OF CUSTODY

Client: MEA Inc.	Project Manager: Gregg Walters	Date: 7/23/08	Chain of Custody Number
Address: 1365 Ackermanville Rd	Telephone Number (AreaCode)/Fax Number: 610 599-5127/599-5128	Lab Number: B08205AN	Page 1 of 1
City: Bangor; State: PA; Zip Code: 18013	Site Contact	Lab Contact	Project Number/Project Name: Shop Quik III Torque SW

FOR LABORATORY USE ONLY

Laboratory Project No: _____

Storage Refrigerator ID: _____

Storage Freezer ID: _____

Secured: Yes _____ No _____

Analysis(es) Requested: 8260B

Sample Condition Upon Receipt: _____

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Sample Weight	Date	Time	MATRIX: Aqueous	Sediment	Soil		#	Container Type	Preservative Type	FOR LABORATORY USE ONLY: Lab ID
Torque SW 312550		7/23/08	1125	X			X	2	V	HCl	B08/205/01/AN

Sample Archive/Disposal: ☐ Laboratory Standard Other_____ Container Types: E= Encore Sampler, V= VOA Vial, A= 1-Liter Amber, G= Glass Jar, C= Cassette, O= Other _____

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Ted Dow Ex	7-22-08	1300	1. Received By: Lisa L. Clarke	7/23/08	0945
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Instructions/Comments: BUX # 3

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Return to Client with Report; PINK - Field Copy

MEA INC.
1365 Ackermanville Road
Bangor, Pennsylvania 18013
www.mea-environmental.com

Environmental Services
Analytical Services Available

October 31, 2008

Mr. Tom Zeiner
Moore Tire Center
2164 Community Drive
Bath, PA 18014

Subject: **Supply Well Sample Results – Torque 4X4 Property**

Dear Mr. Zeiner,

Please find included with this letter a copy of the analytical results for samples collected from the supply well associated with the Torque 4X4 property located at 2158 Community Drive October 17, 2008. Mobile Environmental Analytical, Inc. (MEA) collected a groundwater sample from the basement of the neighboring house that shares the supply well.

The analytical results for the sample collected from the associated supply well were reported non-detect for all analyzed compounds (indicated by the "U" qualifier).

A copy of these results was provided to the Pennsylvania Department of Environmental Protection for review. If you have any questions, please call me or Mr. Mark Ellis P.G., at 610-599-5127.

Sincerely,

Gregg J. Walters
Associate Environmental Scientist
MEA, Inc.

MEA INC.

Analytical Services
1365 Ackermanville Road
Bangor, Pennsylvania 18013

- Environmental Laboratory Program
- PADEP (NELAP) Certification No. 48-00982

Tel. (610) 588-3445
Fax (610) 588-3343

ANALYTICAL REPORT

Client: MEA INC. - Gregg Walters
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

PROJECT: Shop Quik IV / Torque SW

Serial No: A08294AN

Sample ID	TORQUE SW
Lab ID	A0829401AN
Date Collected	10/17/08
Date Analyzed	10/20/08
Date Extracted	
Data File	SD727.D
Dilution Data File(s)	
Matrix	WATER
Units	ug/L
Final Multiplier	1

Method 8260B GC/MS System 1

Target Parameters

Dichlorodifluoromethane	5 U
Chloromethane	5 U
Vinyl Chloride	5 U
Bromomethane	5 U
Chloroethane	5 U
Trichlorofluoromethane	5 U
1,1-Dichloroethylene	5 U
Methylene Chloride	5 U
tert-butyl alcohol	25 U
trans 1-2 dichloroethene	5 U
tert-Butyl-Methyl-Ether	1 U
1,1-Dichloroethane	5 U
Diisopropyl ether	5 U
ethyl-tert-butyl ether	5 U
2,2-Dichloropropane	5 U
cis 1,2-Dichloroethene	5 U
Bromochloromethane	5 U
Chloroform	5 U
1,1,1-Trichloroethane	5 U
Carbon Tetrachloride	5 U
1,1-Dichloropropene	5 U
Benzene	1 U
1,2-Dichloroethane	5 U
tert-amyl methyl ether	5 U
Trichloroethene	5 U
1,2-Dichloropropane	5 U
Dibromomethane	5 U
Bromodichloromethane	5 U
cis-1,3-Dichloropropene	5 U
trans-1,3-Dichloropropene	5 U
1,1,2-Trichloroethane	5 U
1,3-Dichloropropane	5 U
Chlorodibromomethane	5 U
1,2-Dibromoethane	5 U
Bromoform	5 U
Toluene	1 U
Tetrachloroethene	5 U

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

MEA INC.

Analytical Services
1365 Ackermanville Road
Bangor, Pennsylvania 18013

- Environmental Laboratory Program
- PADEP (NELAP) Certification No. 48-00982

Tel. (610) 588-3445
Fax (610) 588-3343

ANALYTICAL REPORT

Client: MEA INC. - Gregg Walters
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

PROJECT: Shop Quik IV / Torque SW

Serial No: A08294AN

Sample ID	TORQUE SW
Lab ID	A0829401AN
Date Collected	10/17/08
Date Analyzed	10/20/08
Date Extracted	
Data File	SD727.D
Dilution Data File(s)	
Matrix	WATER
Units	ug/L
Final Multiplier	1
Chlorobenzene	5 U
Ethylbenzene	5 U
1,1,1,2-tetrachloroethane	5 U
M&P Xylene	10 U
O Xylene	5 U
Styrene	5 U
Cumene	5 U
Bromobenzene	5 U
1,1,2,2-Tetrachloroethane	5 U
n-propylbenzene	5 U
1,2,3-Trichloropropane	5 U
2-chlorotoluene	5 U
1,3,5-trimethylbenzene	5 U
4-chlorotoluene	5 U
tert-butylbenzene	5 U
1,2,4-trimethylbenzene	5 U
sec-butylbenzene	5 U
1,3-Dichlorobenzene	5 U
p-isopropyltoluene	5 U
1,2-Dichlorobenzene	5 U
n-butylbenzene	5 U
1,4-Dichlorobenzene	5 U
1,2-dibromo-3-chloropropane	5 U
1,2,4-trichlorobenzene	5 U
Hexachlorobutadiene	5 U
Naphthalene	5 U
1,2,3-trichlorobenzene	5 U

This report has been reviewed by the person(s) signed below.

This report is accurate to the best of our knowledge.

Analyst(s) Review

Tina L. Drake 10/28/10

Tina L. Drake, Laboratory Director Date

The Chain of Custody Document is included as part of this test report.

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

Phone: (610) 588-3445

MEA, INC
Analytical Services
1365 Ackermanville Road
Bangor, Pennsylvania 18013

Fax: (610) 588-3343

CHAIN OF CUSTODY

Client: MEA, INC.	Project Manager: Gregg Walters	Date: 10/17/08	Chain of Custody Number
Address: 1365 Ackermanville Road	Telephone Number (AreaCode)/Fax Number: 610-599-5127 / 610-599-5128	Lab Number: A08294AN	Page 1 of 1
City: Bangor / State: PA / Zip Code: 18013	Site Contact	Lab Contact: Tina Drake	Project Number/Project Name: ShopQuik IV / Torque SW

FOR LABORATORY USE ONLY

Laboratory Project No: _____

Storage Refrigerator ID: _____

Storage Freezer ID: _____

Secured: Yes _____ No _____

Analysis(es) Requested: 8260B

Sample Condition Upon Receipt: _____

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Sample Weight	Date	Time	MATRIX: Aqueous	Sediment	Soil	#	Container Type	Preservative Type	FOR LABORATORY USE ONLY: Lab ID
Torque SW 101508-AP	—	10/12/08	1515	X			2	V	HCl	A08294 01 AN

Sample Archive/Disposal: ☐ Laboratory Standard Other _____ Container Types: E= Encore Sampler, V= VOA Vial, A= 1-Liter Amber, G= Glass Jar, C= Cassette, O= Other _____

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	10-20-08	0700	1 Received By: J. Davis	10-20-08	0845
2. Relinquished By			2 Received By		
3. Relinquished By			3 Received By		

Instructions/Comments: Bill # 2

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Return to Client with Report; PINK - Field Copy

Mr. Tom Zeiner
Moore Tire Center
2164 Community Drive
Bath, PA 18014

March 6, 2009

Subject: **Supply Well Sample Results – Torque 4X4 Property**

Dear Mr. Zeiner,

Please find included with this letter a copy of the analytical results for samples collected from the supply well associated with the Torque 4X4 property located at 2158 Community Drive February 13, 2009. Mobile Environmental Analytical, Inc. (MEA) collected a groundwater sample from the basement of the neighboring house that shares the supply well.

The analytical results for the sample collected from the associated supply well were reported non-detect for all analyzed compounds (indicated by the "U" qualifier).

A copy of these results was provided to the Pennsylvania Department of Environmental Protection for review. If you have any questions, please call me or Mr. Mark Ellis P.G., at 610-599-5127.

Sincerely,

Gregg J. Walters
Associate Environmental Scientist
MEA, Inc.

MEA INC.

Analytical Services
1365 Ackermanville Road
Bangor, Pennsylvania 18013

- Environmental Laboratory Program
- PADEP (NELAP) Certification No. 48-00982

Tel. (610) 588-3445
Fax (610) 588-3343

ANALYTICAL REPORT

Client: MEA INC. - Gregg Walters
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

CLIENT: Shop Quik IV Torque 4x4 SW
Serial No: E09044AN

Sample ID	TORQUE 4X4 SW
Lab ID	E0904401AN
Date Collected	2/13/09
Date Analyzed	2/13/09
Date Extracted	
Data File	SD039.D
Dilution Data File(s)	
Matrix	WATER
Units	ug/L
Final Multiplier	1

Method 8260B GC/MS System 3

Target Parameters

Dichlorodifluoromethane	5 U
Chloromethane	5 U
Vinyl Chloride	5 U
Bromomethane	5 U
Chloroethane	5 U
Trichlorofluoromethane	5 U
1,1 Dichloroethylene	5 U
Methylene Chloride	5 U
tert-butyl alcohol	25 U
trans 1-2 dichloroethene	5 U
tert-Butyl-Methyl-Ether	1 U
1,1-Dichloroethane	5 U
Diisopropyl ether	5 U
ethyl-tert-butyl ether	5 U
2,2-Dichloropropane	5 U
cis 1,2-Dichloroethene	5 U
Bromochloromethane	5 U
Chloroform	5 U
1,1,1-Trichloroethane	5 U
Carbon Tetrachloride	5 U
1,1-Dichloropropene	5 U
Benzene	1 U
1,2-Dichloroethane	5 U
tert-amyl methyl ether	5 U
Trichloroethene	5 U
1,2-Dichloropropane	5 U
Dibromomethane	5 U
Bromodichloromethane	5 U
cis-1,3-Dichloropropene	5 U
trans-1,3-Dichloropropene	5 U
1,1,2-Trichloroethane	5 U
1,3-Dichloropropane	5 U
Chlorodibromomethane	5 U
1,2-Dibromoethane	5 U
Bromoform	5 U
Toluene	1 U

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

MEA INC.

Analytical Services
1365 Ackermanville Road
Bangor, Pennsylvania 18013

- Environmental Laboratory Program
- PADEP (NELAP) Certification No. 48-00982

Tel. (610) 588-3445
Fax (610) 588-3343

ANALYTICAL REPORT

Client: MEA INC. - Gregg Walters
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

CLIENT: Shop Quik IV Torque 4x4 SW
Serial No: E09044AN

Sample ID	TORQUE 4X4 SW
Lab ID	E0904401AN
Date Collected	2/13/09
Date Analyzed	2/13/09
Date Extracted	
Data File	SD039.D
Dilution Data File(s)	
Matrix	WATER
Units	ug/L
Final Multiplier	1
Chlorobenzene	5 U
Ethylbenzene	5 U
1,1,1,2-tetrachloroethane	5 U
M&P Xylene	10 U
O Xylene	5 U
Styrene	5 U
Cumene	5 U
Bromobenzene	5 U
n-propylbenzene	5 U
1,2,3-Trichloropropane	5 U
2-chlorotoluene	5 U
1,3,5-trimethylbenzene	5 U
4-chlorotoluene	5 U
tert-butylbenzene	5 U
1,2,4-trimethylbenzene	5 U
sec-butylbenzene	5 U
1,3-Dichlorobenzene	5 U
p-isopropyltoluene	5 U
1,2-Dichlorobenzene	5 U
n-butylbenzene	5 U
1,4-Dichlorobenzene	5 U
1,2,4-trichlorobenzene	5 U
Hexachlorobutadiene	5 U
Naphthalene	5 U
1,2,3-trichlorobenzene	5 U

This report has been reviewed by the person(s) signed below.
This report is accurate to the best of our knowledge.

Analyst(s) Review

Tina L. Drake 2/19/08
Tina L. Drake, Laboratory Director Date

The Chain of Custody Document is included as part of this test report.

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL

Phone: (610) 588-3445

MEA, INC
Analytical Services
1365 Ackermanville Road
Bangor, Pennsylvania 18013

Fax: (610) 588-3343

CHAIN OF CUSTODY

Client: MEA	Project Manager: Gregg Martin	Date: 02-13-09	Chain of Custody Number
Address: 1365 Ackermanville Rd	Telephone Number (Area Code) / Fax Number: (610) 599-5127	Lab Number: E090 44AN	Page 1 of 1
City: Bangor	State: PA / Zip Code: 18013	Site Contact	Lab Contact: Tina Drake
Project Number/Project Name: SHOP QUIK IV Torque 4x4 SW			

FOR LABORATORY USE ONLY

Laboratory Project No: _____

Storage Refrigerator ID: _____

Storage Freezer ID: _____

Secured: Yes _____ No _____

Analyses Requested: Torque

Sample Condition Upon Receipt: _____

Sample ID No. and Description (Containers for each sample may be combined on one line)	Sample Weight	Date	Time	MATRIX: Aqueous	MATRIX: Sediment	MATRIX: Soil	#	Container Type	Preservative Type	FOR LABORATORY USE ONLY: Lab ID
Torque 4x4 SW 02	109.93	02/13/09	1145	X			2	V	HCl	E090440101AN

Sample Archive/Disposal: ☐ Laboratory Standard Other _____ Container Types: E= Encore Sampler, V= VOA Vial, A= 1-Liter Amber, G= Glass Jar, C= Cassette, O= Other _____

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Bobbie Fox	2/13/09	1225	1. Received By: [illegible] Davis	2-13-09	1250
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Instructions/Comments: <1 Ran 1ppb for Talvene Benzene & MTBE Box #2

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Return to Client with Report; PINK - [illegible]

Appendix I

Environmental Reports (Adjacent Properties)

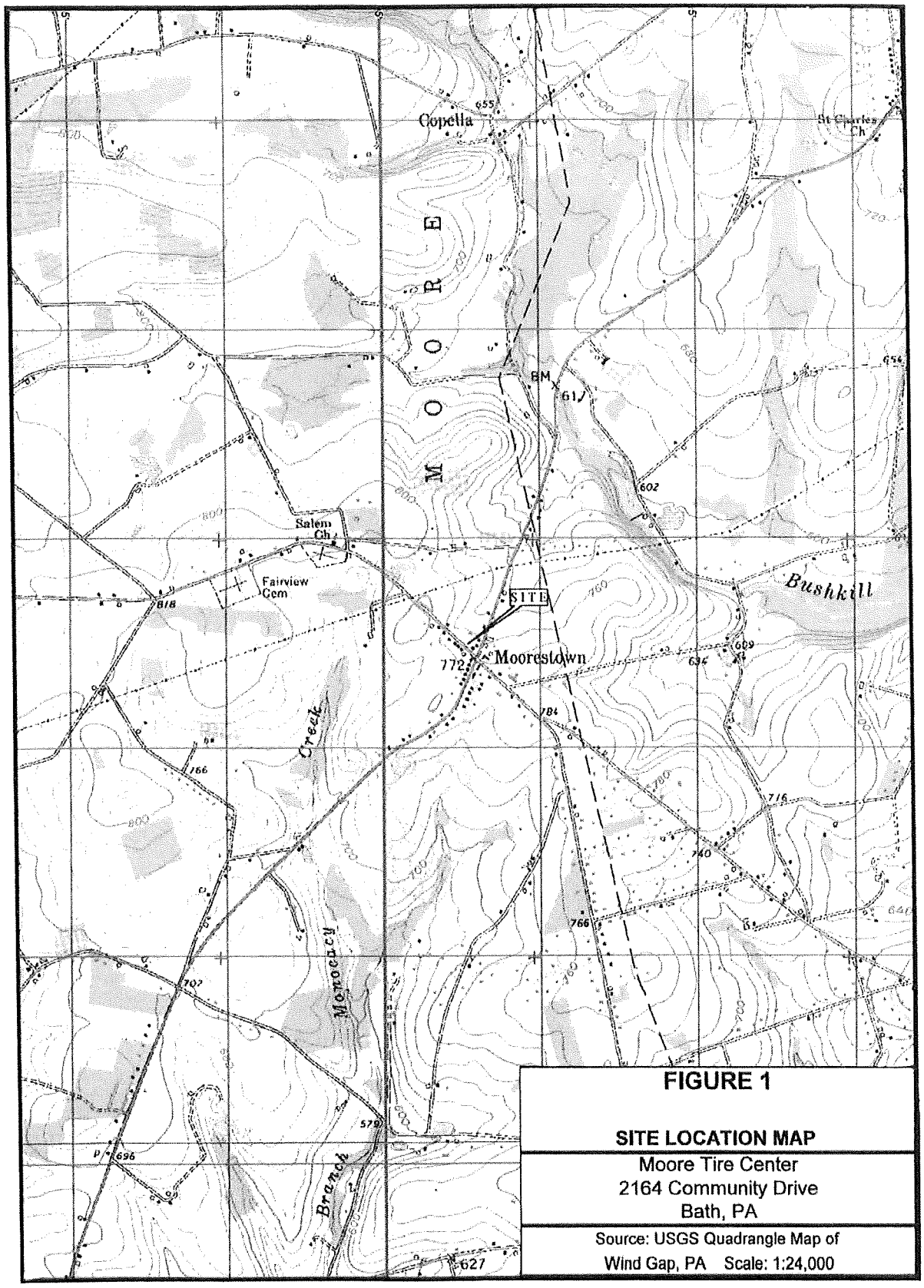


FIGURE 1

SITE LOCATION MAP

Moore Tire Center
2164 Community Drive
Bath, PA

Source: USGS Quadrangle Map of
Wind Gap, PA Scale: 1:24,000

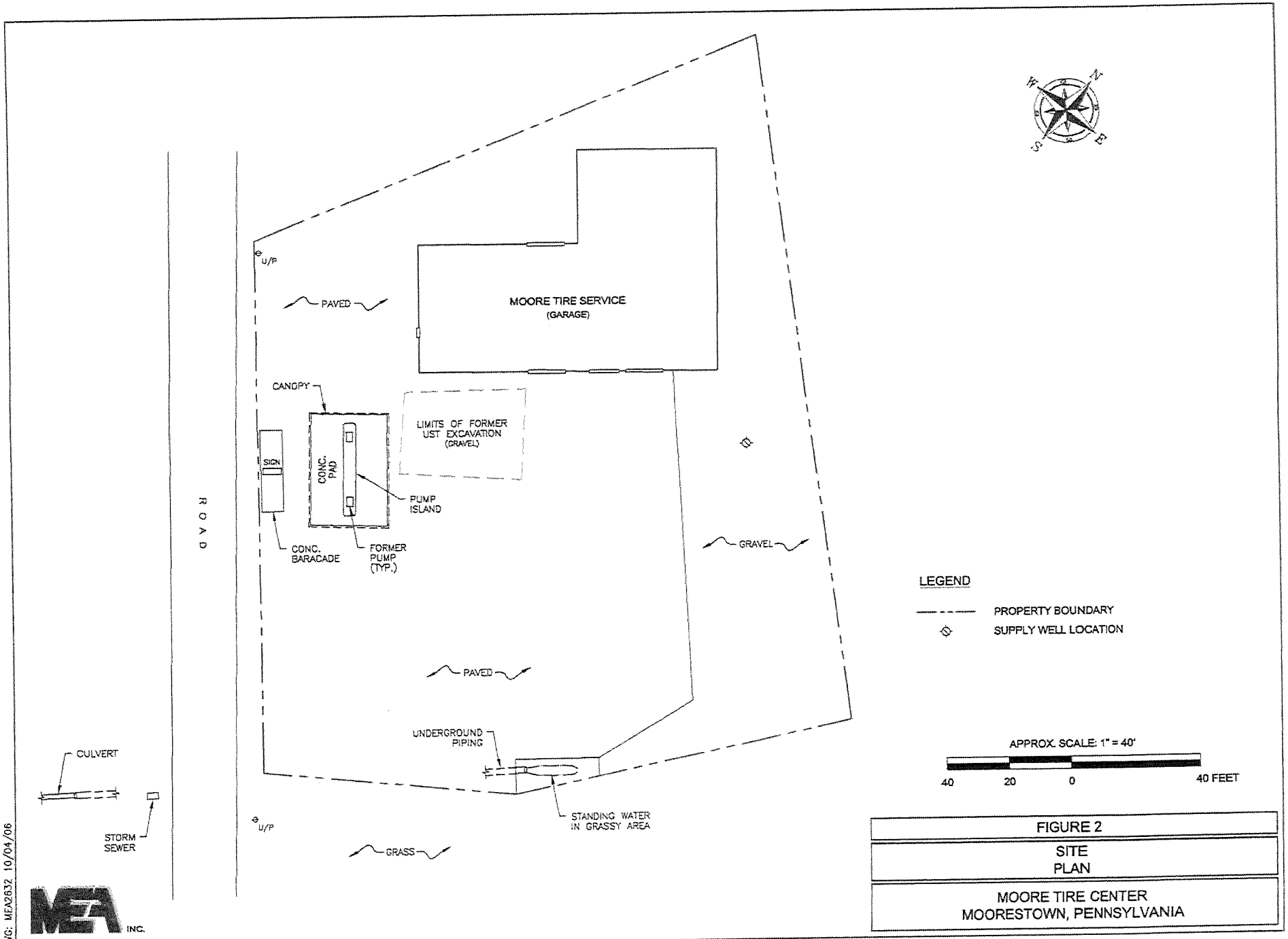


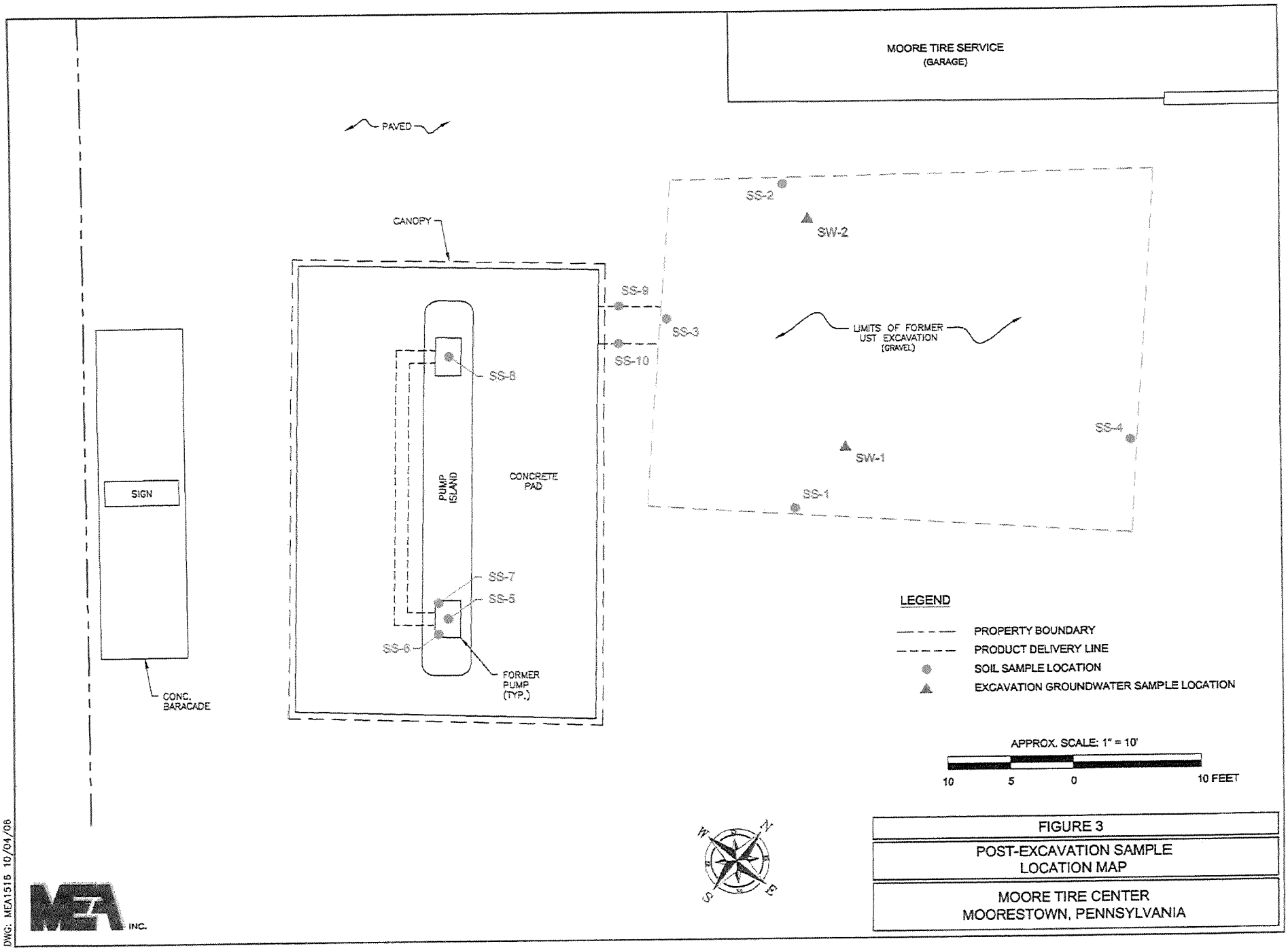
FIGURE 2

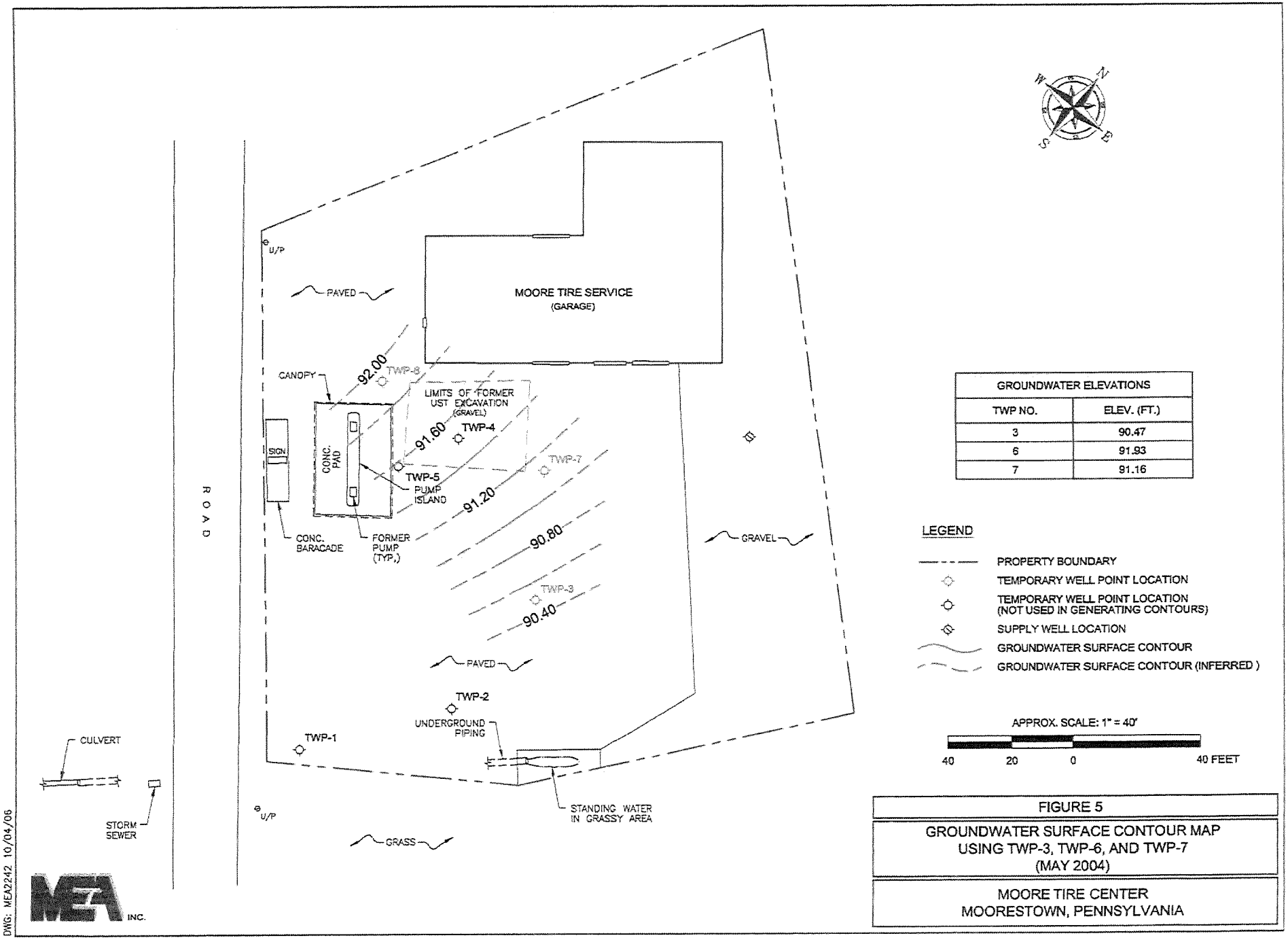
SITE
PLAN

MOORE TIRE CENTER
MOORESTOWN, PENNSYLVANIA

INC.

DWG: MEA2632 10/04/06


MOORE TIRE SERVICE
(GARAGE)
PAVED
CANOPY
SS-2
SW-2
SS-9
SS-3
SS-10
LIMITS OF FORMER
UST EXCAVATION
(GRAVEL)
SS-8
SS-4
SW-1
SIGN
PUMP
ISLAND
CONCRETE
PAD
SS-1
SS-7
SS-5
SS-6
FORMER
PUMP
(TYP.)
CONC.
BARACADE
LEGEND
PROPERTY BOUNDARY
PRODUCT DELIVERY LINE
SOIL SAMPLE LOCATION
EXCAVATION GROUNDWATER SAMPLE LOCATION
APPROX. SCALE: 1" = 10'
10
5
0
10 FEET
N
E
S
W
FIGURE 3
POST-EXCAVATION SAMPLE
LOCATION MAP
MOORE TIRE CENTER
MOORESTOWN, PENNSYLVANIA
INC.
DWG: MEA1516 10/04/06



GROUNDWATER ELEVATIONS	
TWP NO.	ELEV. (FT.)
3	90.47
6	91.93
7	91.16

LEGEND

- PROPERTY BOUNDARY
- TEMPORARY WELL POINT LOCATION
- TEMPORARY WELL POINT LOCATION (NOT USED IN GENERATING CONTOURS)
- SUPPLY WELL LOCATION
- GROUNDWATER SURFACE CONTOUR
- GROUNDWATER SURFACE CONTOUR (INFERRED)

APPROX. SCALE: 1" = 40'

40 20 0 40 FEET

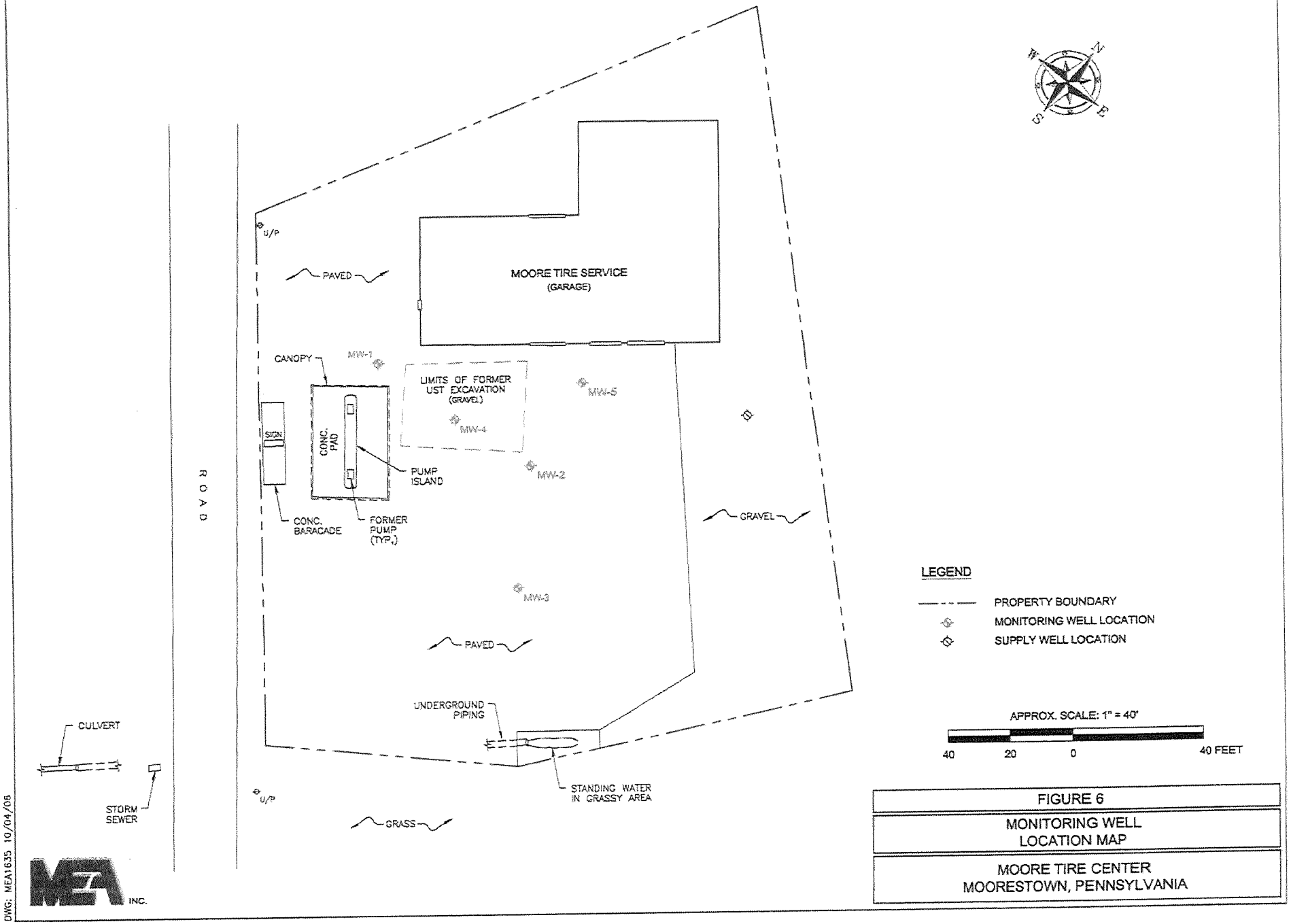
FIGURE 5

GROUNDWATER SURFACE CONTOUR MAP
USING TWP-3, TWP-6, AND TWP-7
(MAY 2004)

MOORE TIRE CENTER
MOORESTOWN, PENNSYLVANIA

DWG: MEA2242 10/04/06

MEA INC.



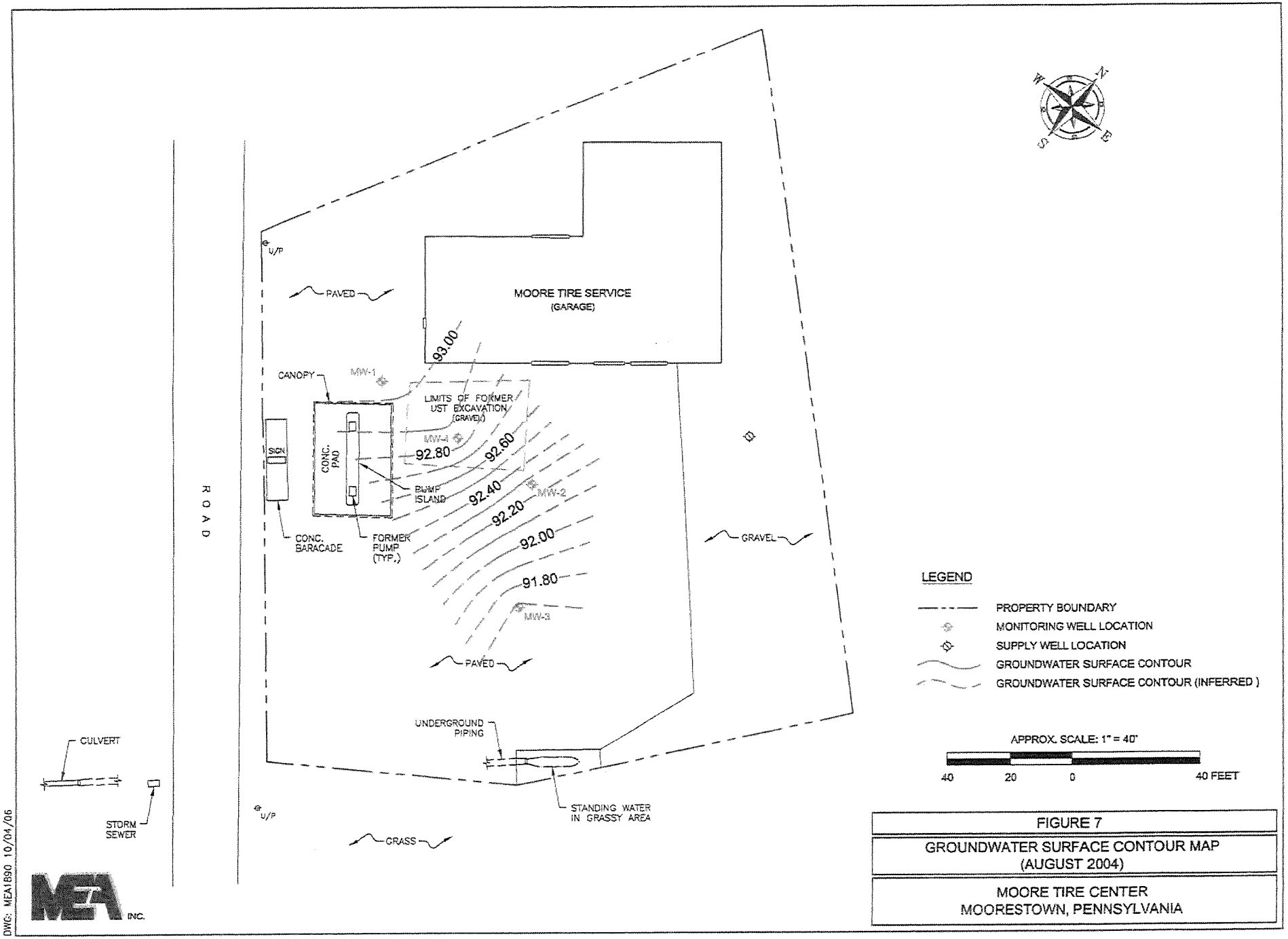
DWG: MEA1635 10/04/06

MEA INC.

FIGURE 6

MONITORING WELL
LOCATION MAP

MOORE TIRE CENTER
MOORESTOWN, PENNSYLVANIA



DWG: MEA1890 10/04/06

MEA INC.

FIGURE 7

GROUNDWATER SURFACE CONTOUR MAP
(AUGUST 2004)

MOORE TIRE CENTER
MOORESTOWN, PENNSYLVANIA

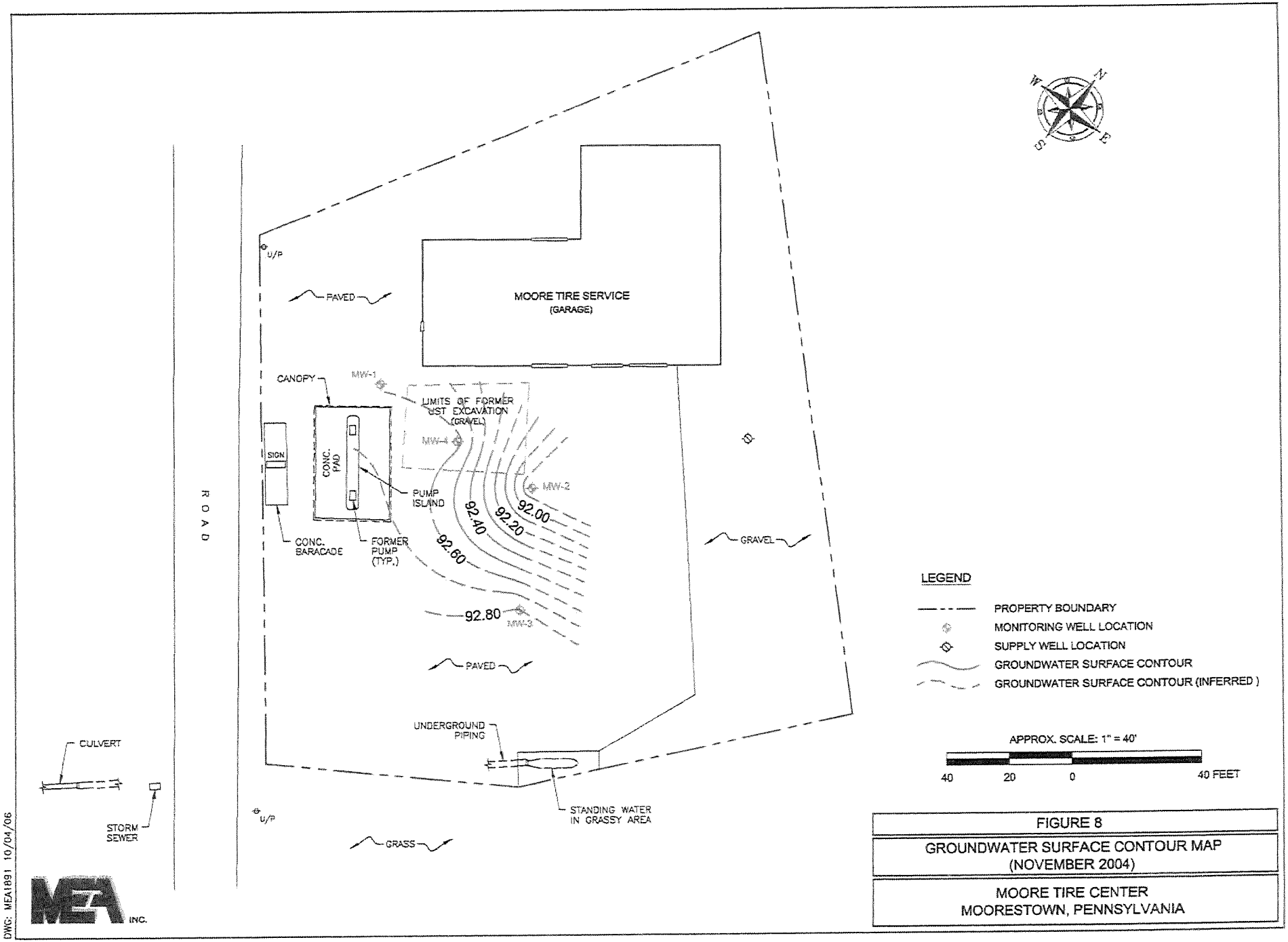


FIGURE 8

GROUNDWATER SURFACE CONTOUR MAP
(NOVEMBER 2004)

MOORE TIRE CENTER
MOORESTOWN, PENNSYLVANIA

DWG: MEA1891 10/04/06

MEA INC.

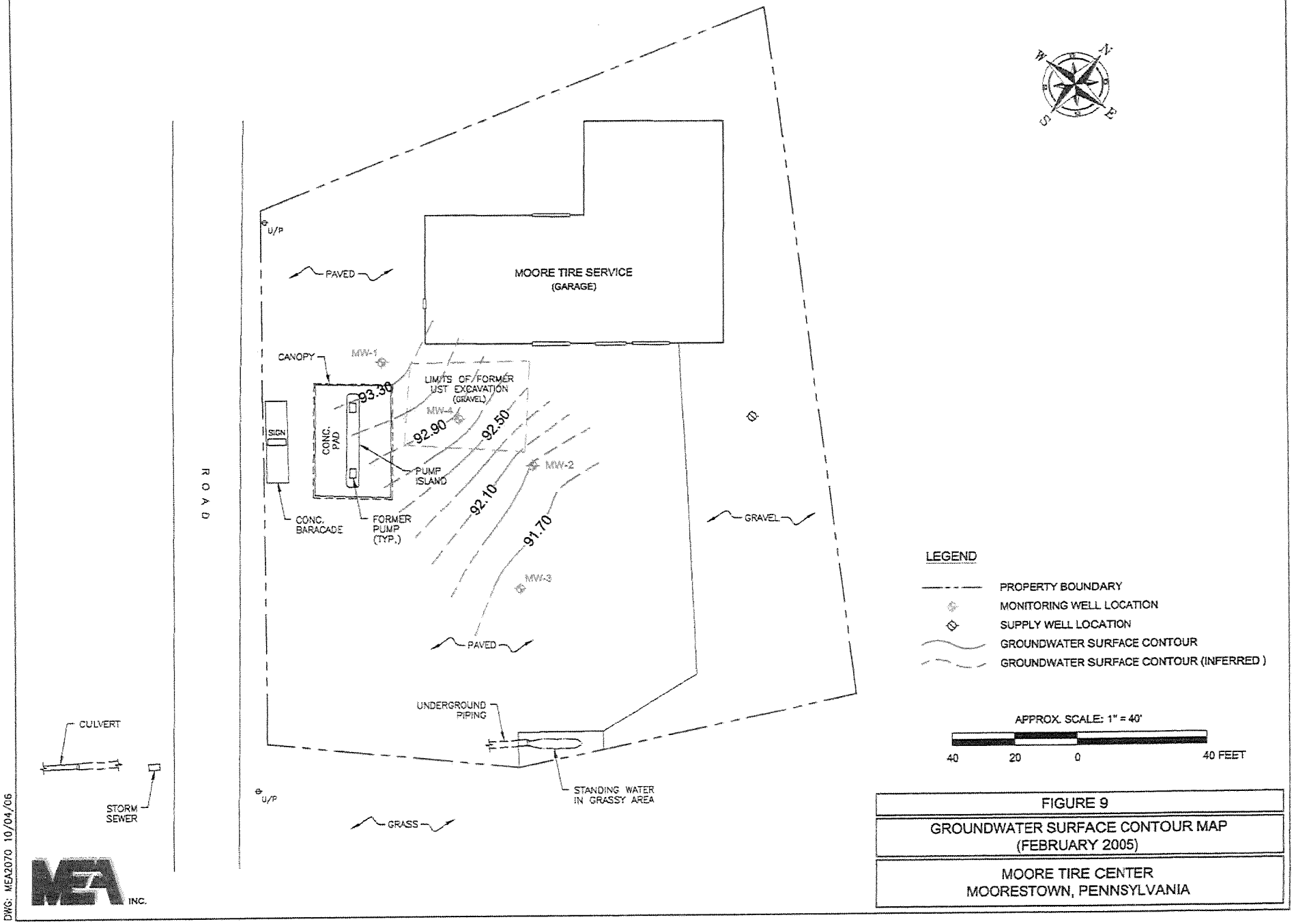


FIGURE 9

GROUNDWATER SURFACE CONTOUR MAP
(FEBRUARY 2005)

MOORE TIRE CENTER
MOORESTOWN, PENNSYLVANIA

MEA INC.

DWG: MEA2070 10/04/06

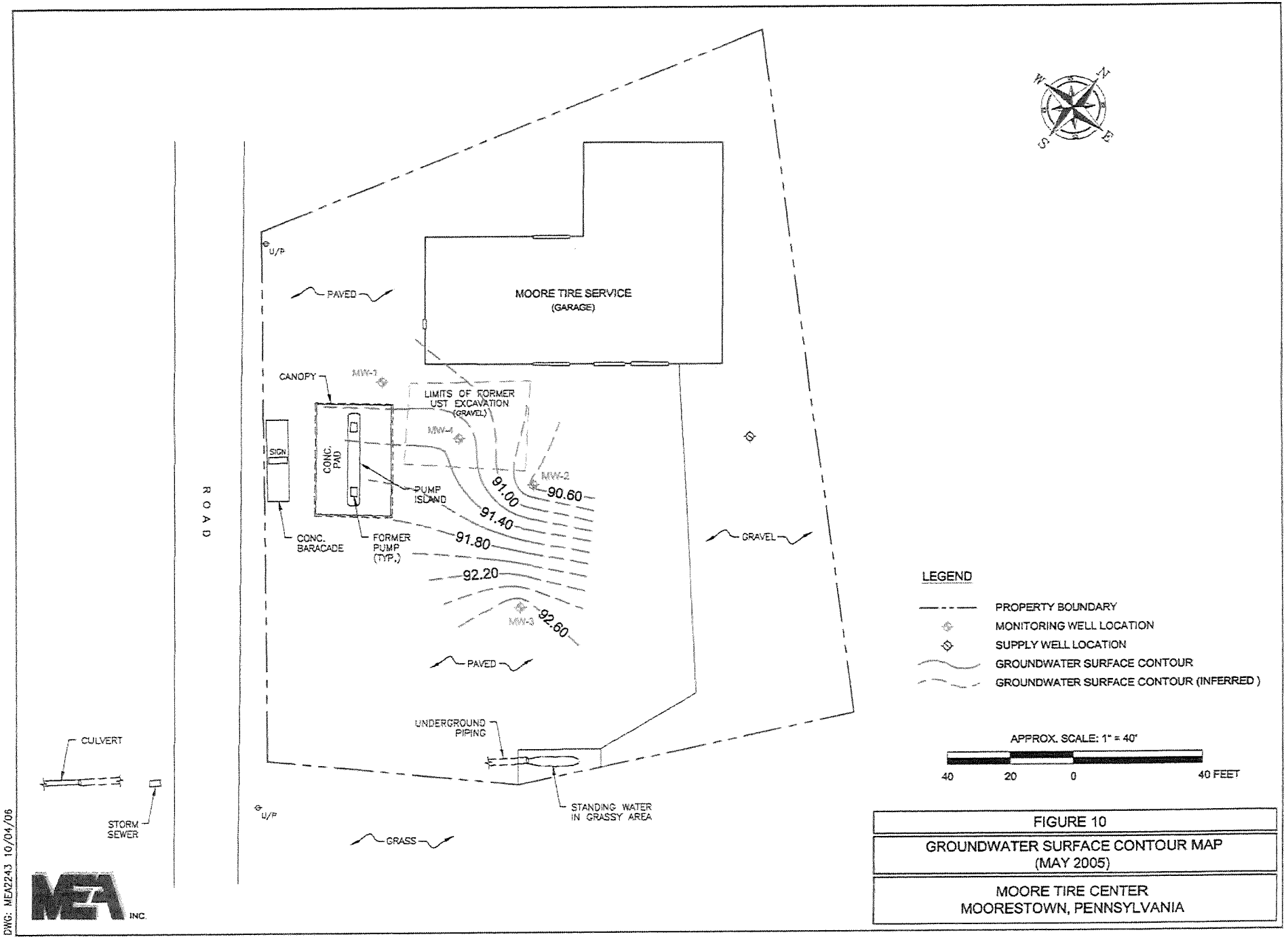


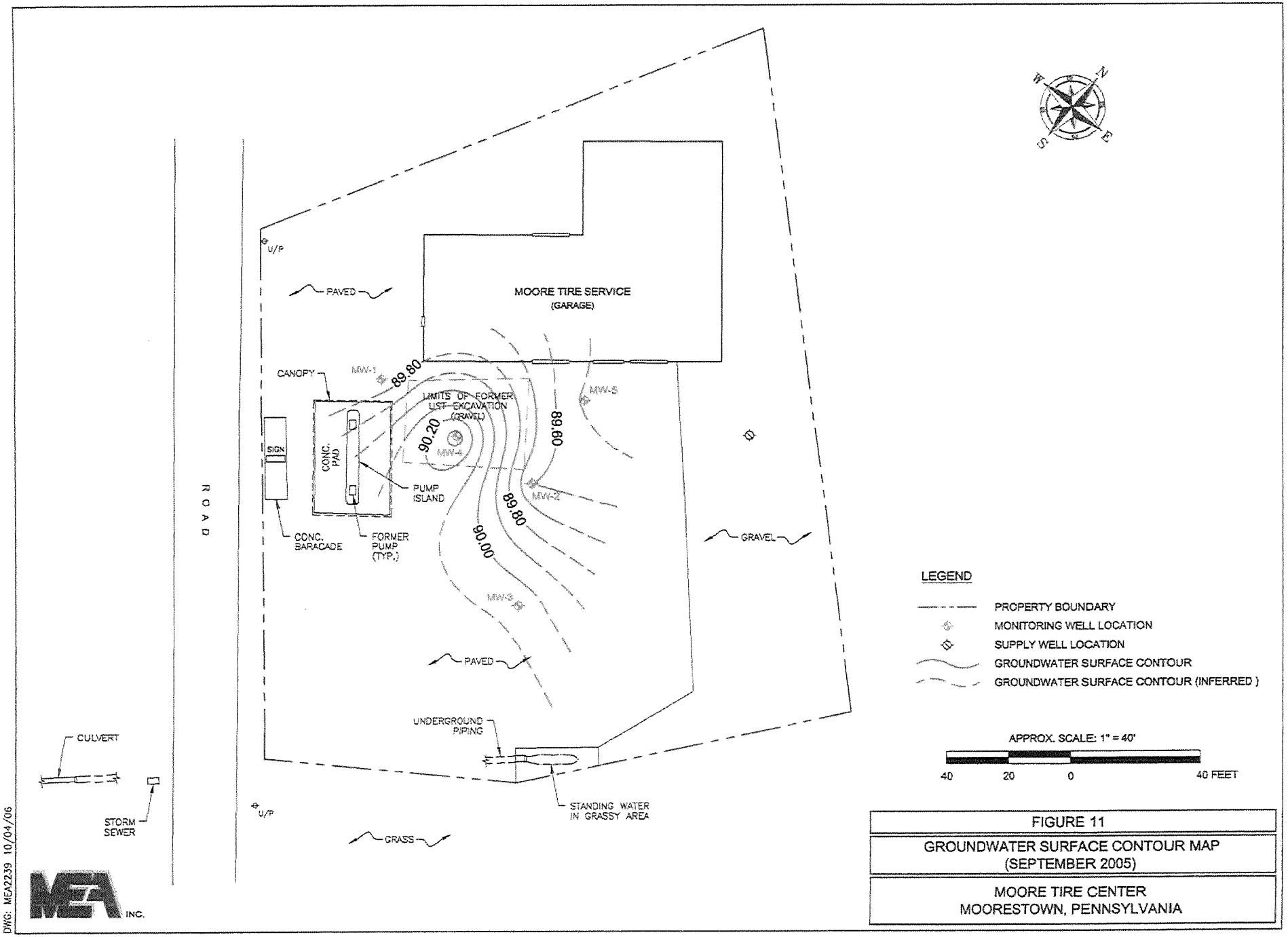
FIGURE 10

GROUNDWATER SURFACE CONTOUR MAP
(MAY 2005)

MOORE TIRE CENTER
MOORESTOWN, PENNSYLVANIA

MEA INC.

DWG: MEA2243 10/04/06



DWG: MEA2239 10/04/06

MEA INC.

FIGURE 11

GROUNDWATER SURFACE CONTOUR MAP
(SEPTEMBER 2005)

MOORE TIRE CENTER
MOORESTOWN, PENNSYLVANIA

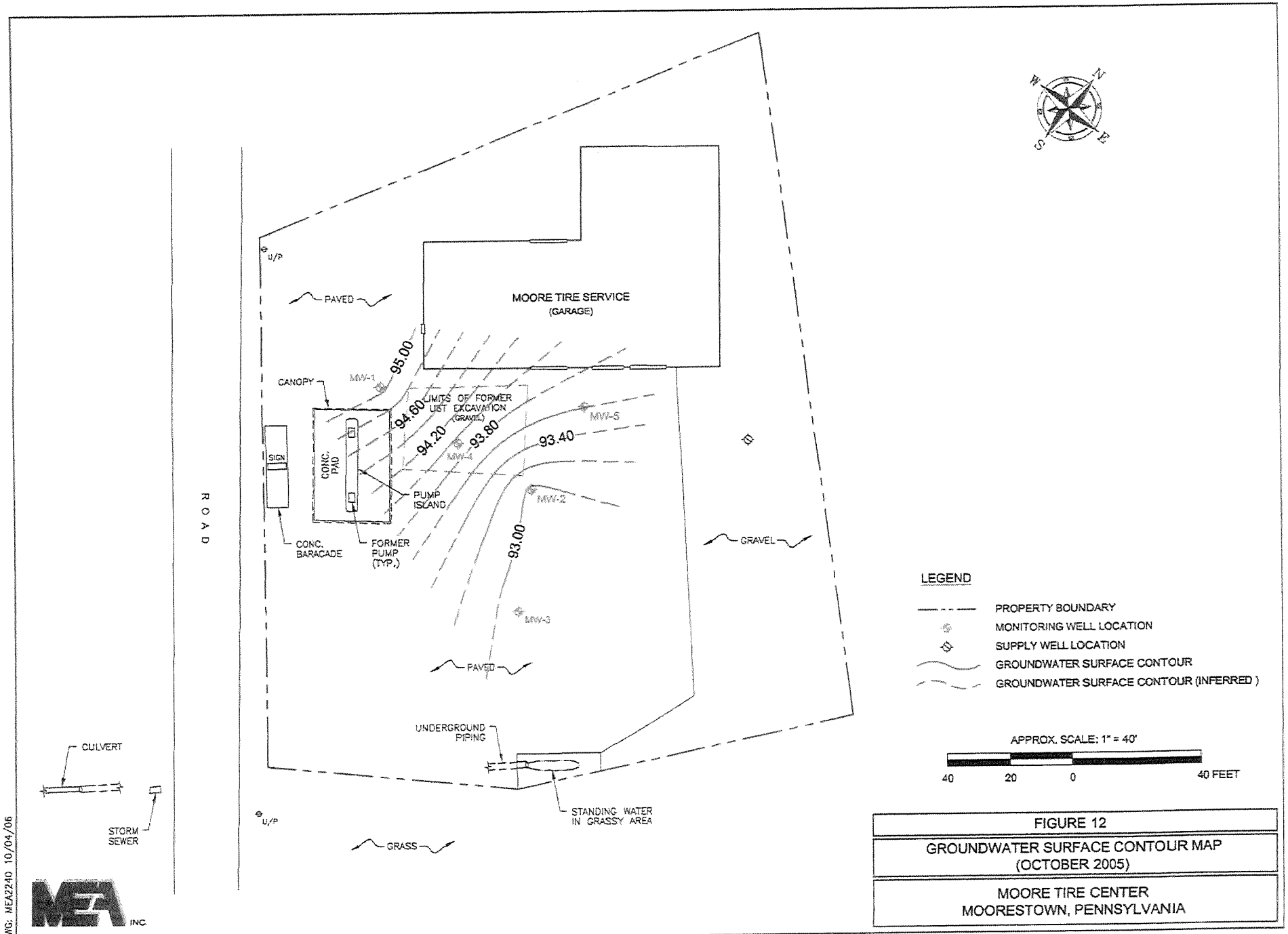


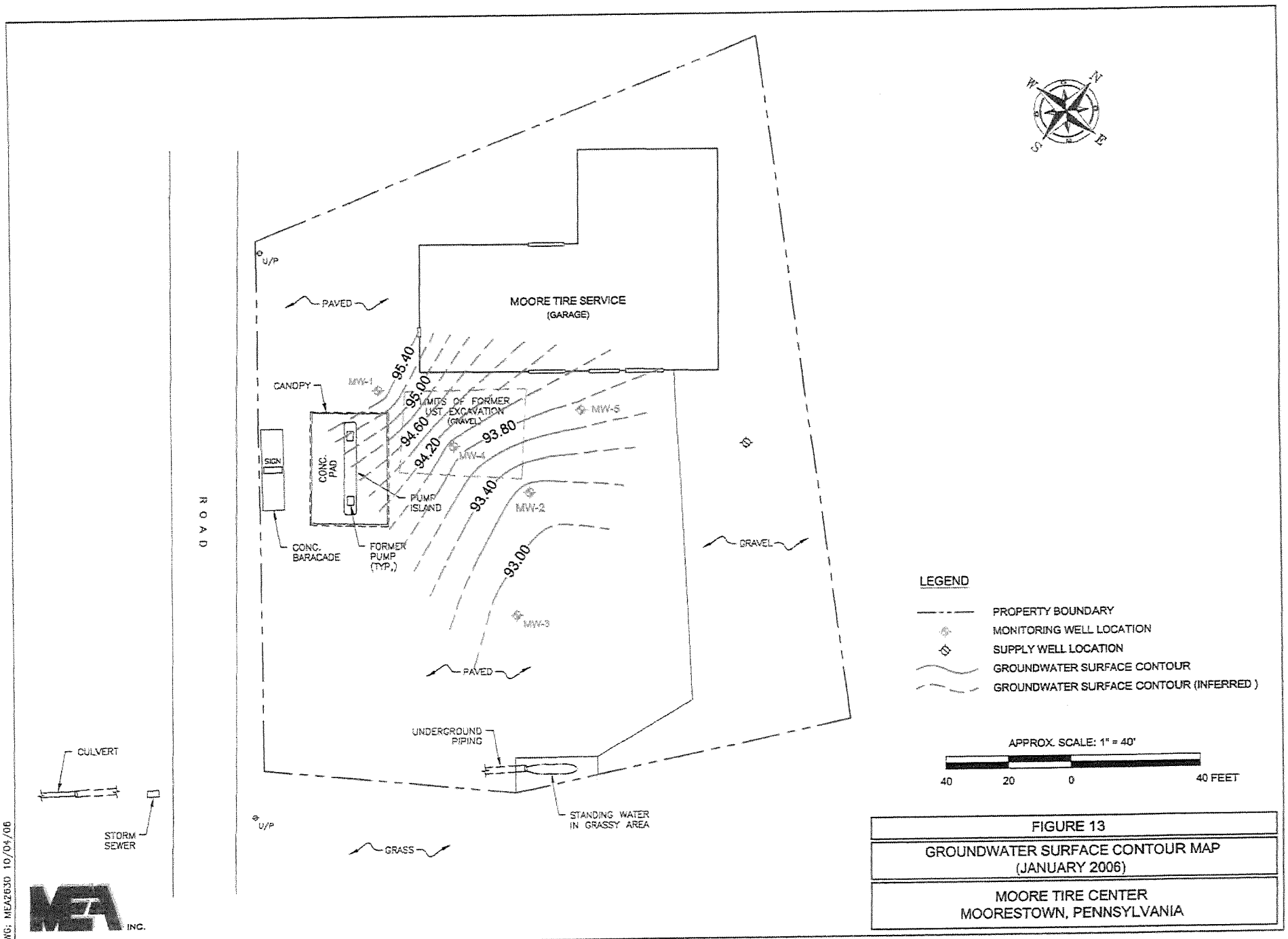
FIGURE 12

GROUNDWATER SURFACE CONTOUR MAP
(OCTOBER 2005)

MOORE TIRE CENTER
MOORESTOWN, PENNSYLVANIA

DWG: MEA2240 10/04/06

MEA INC.



DWG: MEA2630 10/04/06

MEA INC.

FIGURE 13

GROUNDWATER SURFACE CONTOUR MAP
(JANUARY 2006)

MOORE TIRE CENTER
MOORESTOWN, PENNSYLVANIA

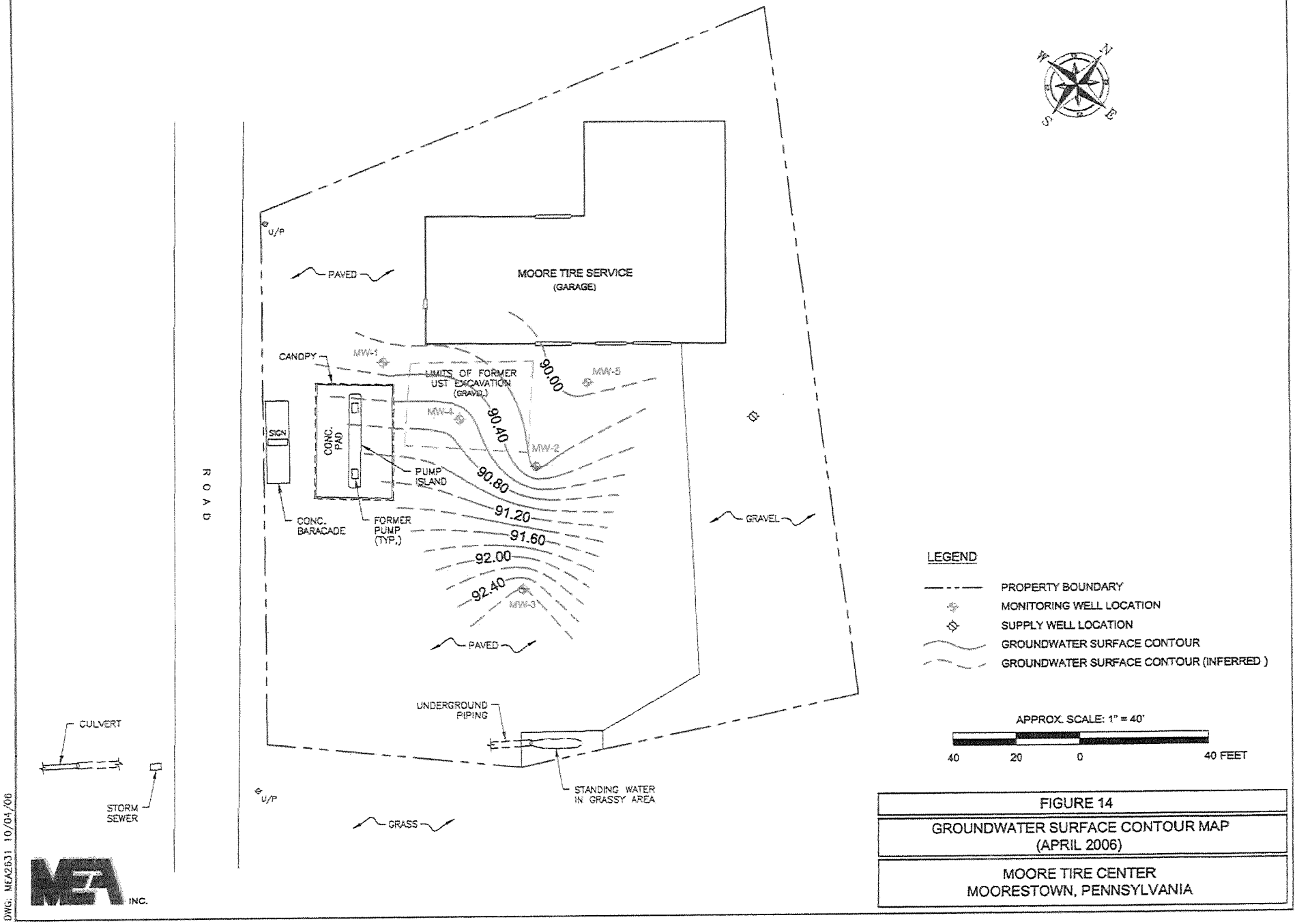


FIGURE 14

GROUNDWATER SURFACE CONTOUR MAP
(APRIL 2006)

MOORE TIRE CENTER
MOORESTOWN, PENNSYLVANIA

MEA INC.

DWG: MEA2631 10/04/06

TABLES

TABLE 1
Summary of Groundwater Analytical Results for Volatile Organic Compounds
Moore Tire Center, Northampton County, PA
January, 2004

Date of Collection: 1/23/04
Results: ug/L (ppb)

Sample ID	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Cumene	1,3,5-TMB	1,2,4-TMB	Naphthalene
SW-1	**42**	**6**	28	2J	16	5U	5U	5U	5U
SW-2	**150**	**56**	130	3J	15J	5U	5U	5U	5U
Act 2 SHS MSCs	20	5	1,000	700	10,000	1,100	16	16	100

E - Estimated concentrationabove the high calibration standard

J - Estimated concentration at or below the laboratory reporting limit (RL)

U - Compound was not detected at or above the RL

Bolded/highlighted concentrations are above the Act 2 SHS MSCs

TMB - Trimethylbenzene

Table 2
Multi-date Summary of Groundwater Analytical Results
Moore Tire Service
8/9/2004 - 4/20/2006

Sample		PARAMETERS												
Location	Date	MTBE	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Cumene	1,3,5-TMB	1,2,4-TMB	Naphthalene	TBA	Diisopropyl ether	Ethyl-tert-butyl ether	TAME
Act 2 Standard (ug/l)*		20	5	1,000	700	10,000	1,100	16	16	100	**	**	**	**
MW-1	08/09/04	5U	5U	5U	5U	10U	5U	5U	5U	5U	50U	5U	5U	5U
	11/03/04	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	02/17/05	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	05/31/05	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	09/15/05	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	10/06/05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/20/05	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	01/26/06	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	04/20/06	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
MW-2	08/09/04	7	5U	5U	5U	10U	5U	5U	5U	5U	50U	5U	5U	5U
	11/03/04	5J	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	02/17/05	3J	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	05/31/05	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	09/15/05	3J	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	10/06/05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/20/05	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	01/26/06	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	04/20/06	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
MW-3	08/09/04	7	5U	5U	5U	10U	5U	5U	5U	5U	50U	5U	5U	5U
	11/03/04	4J	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	02/17/05	3J	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	05/31/05	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	09/15/05	4J	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	10/06/05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/20/05	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	01/26/06	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	04/20/06	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
MW-4	08/09/04	3J	5U	5U	5U	10U	5U	5U	5U	5U	50U	5U	5U	5U
	11/03/04	3J	5U	5U	5U	10U	5U	5U	5U	5U	25U	3U	5U	5U
	02/17/05	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	05/31/05	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	09/15/05	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	10/06/05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/20/05	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	01/26/06	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	04/20/06	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U

Table 2
Multi-date Summary of Groundwater Analytical Results
Moore Tire Service
8/9/2004 - 4/20/2006

Sample		PARAMETERS												
Location	Date	MTBE	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Cumene	1,3,5-TMB	1,2,4-TMB	Naphthalene	TBA	Diisopropyl ether	Ethyl-tert-butyl ether	TAME
Act 2 Standard (ug/l)*		20	5	1,000	700	10,000	1,100	16	16	100	**	**	**	**
MW-5	08/09/04													
	11/03/04													
	02/17/05													
	05/31/05													
	09/15/05	24	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	10/06/05	17	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	10/20/05	4J	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	01/26/06	5J	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U
	04/20/06	5U	5U	5U	5U	10U	5U	5U	5U	5U	25U	5U	5U	5U

J- Estimated concentration at or below the laboratory reporting limit (RL)
U-Compound was not detected at or above the RL
Bolded/highlighted concentrations are above the Act 2 SHS MSCs
TMB-trimethylbenzene
TBA- tert-butyl alcohol
TAME- tert-amyl methyl ether
MTBE-tert-butyl methyl ether
NA-Not analyzed

TABLE 3
Summary of Static Water Levels, Groundwater Elevations, and Well Volumes Purged
Moore Tire Center, Moorestown, PA
August 2004

Monitoring Well ID	Total Depth of Well (feet below TOC)	Top of Casing Elevation	Depth to Water (ft below TOC)	Groundwater Elevation	Water Column (feet)	Well Volume (gallons)	Approx. Volume Purged (gallons)
MW-1	19.54	100.00	6.95	93.05	12.59	1.16	3.5 dry
MW-2	18.17	99.08	6.83	92.25	11.34	1.04	3 dry
MW-3	18.55	96.44	4.76	91.68	13.79	1.27	3.5 dry
MW-4	18.73	99.69	6.82	92.87	11.91	1.94	8.0

TOC - top of casing

Top of casing and groundwater elevations are in feet relative to a datum of 100

TABLE 4
Summary of Static Water Levels, Groundwater Elevations, and Well Volumes Purged
Moore Tire Center, Moorestown, PA
November 2004

Monitoring Well ID	Total Depth of Well (feet below TOC)	Top of Casing Elevation	Depth to Water (ft below TOC)	Groundwater Elevation	Water Column (feet)	Well Volume (gallons)	Approx. Volume Purged (gallons)
MW-1	19.54	100.00	7.41	92.59	12.13	1.12	3.5
MW-2	18.17	99.08	7.28	91.80	10.89	1.00	3.0
MW-3	18.55	96.44	3.63	92.81	14.92	1.37	4.0
MW-4	18.73	99.69	7.05	92.64	11.68	1.90	6.0

TOC - top of casing

Top of casing and groundwater elevations are in feet relative to a datum of 100

TABLE 5
Summary of Static Water Levels, Groundwater Elevations, and Well Volumes Purged
Moore Tire Center, Moorestown, PA
February 2005

Monitoring Well ID	Total Depth of Well (feet below TOC)	Top of Casing Elevation	Depth to Water (ft below TOC)	Groundwater Elevation	Water Column (feet)	Well Volume (gallons)	Approx. Volume Purged (gallons)
MW-1	19.54	100.00	6.55	93.45	12.99	1.20	3.5 dry
MW-2	18.17	99.08	7.20	91.88	10.97	1.01	3.0 dry
MW-3	18.55	96.44	4.88	91.56	13.67	1.26	3.5 dry
MW-4	18.73	99.69	6.82	92.87	11.91	1.94	7.0

TOC - top of casing

Top of casing and groundwater elevations are in feet relative to a datum of 100

dry-indicates well went dry while purging

TABLE 6
Summary of Static Water Levels, Groundwater Elevations, and Well Volumes Purged
Moore Tire Center, Moorestown, PA
May 2005

Monitoring Well ID	Total Depth of Well (feet below TOC)	Top of Casing Elevation	Depth to Water (ft below TOC)	Groundwater Elevation	Water Column (feet)	Well Volume (gallons)	Approx. Volume Purged (gallons)
MW-1	19.54	100.00	8.96	91.04	10.58	0.97	3.5 dry
MW-2	18.17	99.08	8.52	90.56	9.65	0.89	3.0 dry
MW-3	18.55	96.44	3.68	92.76	14.87	1.37	4 dry
MW-4	18.73	99.69	8.32	91.37	10.41	1.70	5.0

TOC - top of casing

Top of casing and groundwater elevations are in feet relative to a datum of 100

dry-indicates well went dry while purging

TABLE 7
Summary of Static Water Levels, Groundwater Elevations, and Well Volumes Purged
Moore Tire Center, Moorestown, PA
September 2005

Monitoring Well ID	Total Depth of Well (feet below TOC)	Top of Casing Elevation	Depth to Water (ft below TOC)	Groundwater Elevation	Water Column (feet)	Well Volume (gallons)	Approx. Volume Purged (gallons)
MW-1	19.54	100.00	10.29	89.71	9.25	0.85	1.25 dry
MW-2	18.17	99.08	9.48	89.60	8.69	0.80	1.0 dry
MW-3	18.55	96.44	6.36	90.08	12.19	1.12	1.5 dry
MW-4	18.73	99.69	9.34	90.35	9.39	1.53	4.75
MW-5	17.50	100.40	10.92	89.48	6.58	0.61	1.0 dry

TOC - top of casing

Top of casing and groundwater elevations are in feet relative to a datum of 100

dry-indicates well went dry while purging

TABLE 8
Summary of Static Water Levels, Groundwater Elevations, and Well Volumes Purged
Moore Tire Center, Moorestown, PA
October 2005

Monitoring Well ID	Total Depth of Well (feet below TOC)	Top of Casing Elevation	Depth to Water (ft below TOC)	Groundwater Elevation	Water Column (feet)	Well Volume (gallons)	Approx. Volume Purged (gallons)
MW-1	19.54	100.00	4.92	95.08	14.62	1.35	2.0 dry
MW-2	18.17	99.08	6.12	92.96	12.05	1.11	1.0 dry
MW-3	18.55	96.44	3.54	92.90	15.01	1.38	1.5 dry
MW-4	18.73	99.69	5.75	93.94	12.98	2.12	6.50
MW-5	17.50	100.40	6.79	93.61	10.71	0.99	1.0 dry

TOC - top of casing

Top of casing and groundwater elevations are in feet relative to a datum of 100

dry-indicates well went dry while purging

TABLE 9
Summary of Static Water Levels, Groundwater Elevations, and Well Volumes Purged
Moore Tire Center, Moorestown, PA
January 2006

Monitoring Well ID	Total Depth of Well (feet below TOC)	Top of Casing Elevation	Depth to Water (ft below TOC)	Groundwater Elevation	Water Column (feet)	Well Volume (gallons)	Approx. Volume Purged (gallons)
MW-1	19.54	100.00	4.42	95.58	15.12	1.39	4.0 dry
MW-2	18.17	99.08	5.97	93.11	12.2	1.12	3.0 dry
MW-3	18.55	96.44	3.59	92.85	14.96	1.38	4.0
MW-4	18.73	99.69	5.79	93.90	12.94	2.11	6.5
MW-5	17.50	100.40	6.66	93.74	10.84	1.00	2.0 dry

TOC - top of casing

Top of casing and groundwater elevations are in feet relative to a datum of 100

dry-indicates well went dry while purging

TABLE 10
Summary of Static Water Levels, Groundwater Elevations, and Well Volumes Purged
Moore Tire Center, Moorestown, PA
April 2006

Monitoring Well ID	Total Depth of Well (feet below TOC)	Top of Casing Elevation	Depth to Water (ft below TOC)	Groundwater Elevation	Water Column (feet)	Well Volume (gallons)	Approx. Volume Purged (gallons)
MW-1	19.54	100.00	9.70	90.30	9.84	0.91	1.5 dry
MW-2	18.17	99.08	8.93	90.15	9.24	0.85	1.5 dry
MW-3	18.55	96.44	3.81	92.63	14.74	1.36	2.0 dry
MW-4	18.73	99.69	8.96	90.73	9.77	1.59	5.0
MW-5	17.50	100.40	10.45	89.95	7.05	0.65	1.25 dry

TOC - top of casing

Top of casing and groundwater elevations are in feet relative to a datum of 100

dry-indicates well went dry while purging

ATTACHMENT A

Monitoring Well Boring Logs

MEA Inc. SOIL BORING LOG

Project Name	Moore Tire	Boring No.	MW-1	Groundwater Level	
Location	Moorestown, PA	Surface Elev.	ft (est.)	Date	Depth
Date Drilled	28 Jun 04	Boring Method	Direct Drive		
Drilling Co.	MEA	Completion Depth	19.5 ft bgs		
Drill Foreman	David VonSteuben	Job No.			
Logged By	Rebecca Gross				

Depth (feet)	Sample No.	Sample Type*	Sample Interval (bgs)	% Rec.	Soil Classification	Comments
	1	AS	0-4'	60	0-1 asphalt, fill 1-2 Lt. Brn Silt, s. f sand, s. f-c grvl, dry 2-3 Brn c. Sand 3-4 Grvl fill	
5	2	AS	4-8'	70	4-6 Brn Silt, s. f sand, s. f-c grvl, moist 6-8 Or-red and ylw Silt, s. f-m grvl, tr. f-m sand, moist	
10	3	AS	8-12'	30	8-12' Ditto 6-8	
	4	AS	12-16'	100	12-14 Or-red/brn Silt, s. f-m grvl, tr. f-m sand, moist 14-16 Brn Silt, s. f-m grvl, tr. f-m sand, moist	
15	5	AS	16-19.5'	100	16-19.5 Ditto 14-16 at 19' layer of yellow stone	
20						
25						
30						
35						

*Sample type: SS-Split Spoon ST-Shelby Tube RC-Rock Core AS-Acetate Sleeve CT-Cuttings

MEA Inc. SOIL BORING LOG

Project Name	**Moore Tire**	**Boring No.**	**MW-2**	**Groundwater Level**	
Location	**Moorestown, PA**	**Surface Elev.**	**ft (est.)**	**Date**	**Depth**
Date Drilled	28 Jun 04	Boring Method	Direct Drive		
Drilling Co.	MEA	Completion Depth	18.5 ft bgs		
Drill Foreman	David VonSteuben	Job No.			
Logged By	Rebecca Gross				

Depth (feet)	Sample No.	Sample Type*	Sample Interval (bgs)	% Rec.	Soil Classification	Comments
	1	AS	0-4'	70	0-1 asphalt, fill 1-2 Lt. Brn Silt, s. f sand, s. f-c grvl, moist 2-4 Brn f-c Sand, s. silt, s. f-c grvl, moist	
5	2	AS	4-8'	75	4-6 Ditto 2-4 6-6.5 Gray-Brn Silt, s. f-c grvl, l. f-m sand 6.5-8 Ditto 2-4, wet	
	3	AS	8-12'	100	8-10.5 Ditto 2-4', moist 10.5-12 Or-red Silt, s. f-c grvl, tr. f-c sand, moist	
10	4	AS	12-16'	80	12-13.5 Red-or Silt, s. f-m sand, s. f-c grvl, moist-wet 13.5-14 Ylw/Red-or mix color change 14-16 Red-or Silt, s. f-m sand, s. f-c grvl, moist-wet	
15	5	AS	16-18.5'	100	16-18.5 Ylw/Red-or Silt, s. f-m sand, s. f-c grvl 18.5 Grey c. Sand and grvl	
20						
25						
30						
35						

*Sample type: SS-Split Spoon RC-Rock Core CT-Cuttings
ST-Shelby Tube AS-Acetate Sleeve

MEA Inc. SOIL BORING LOG

Project Name	Moore Tire	Boring No.	MW-3	Groundwater Level Date	Depth
Location	Moorestown, PA	Surface Elev.	ft (est.)		
Date Drilled	28 Jun 04	Boring Method	Direct Drive		
Drilling Co.	MEA	Completion Depth	19.0 ft bgs		
Drill Foreman	David VonSteuben	Job No.			
Logged By	Rebecca Gross				

Depth (feet)	Sample No.	Sample Type*	Sample Interval (bgs)	% Rec.	Soil Classification	Comments
	1	AS	0-4'	75	0-1 Asphalt, fill 1-2 Lt. Brn Silt, s. f sand, s. f-c grvl, dry 2-4 Gray-grn Silt, s. f sand, s. f-c grvl, moist	
5	2	AS	4-8'	75	4-5 Brn Silt, s. f sand, s. f-m grvl, wet 5-8 Or-brn Silt, s. f-m sand, s. f-m grvl, moist-wet	
	3	AS	8-12'	60	8-12 Ditto 5-8	
10						
	4	AS	12-16'	100	12-16 Ditto 5-8 at 15' Dk. Brn-blk color change for 3"	
15						
	5	AS	16-19'	100	16-18 Ditto 5-8 18-18.5 Wh-gry c. Sand and gravel 18.5-19 Ditto 5-8	
20						
25						
30						
35						

*Sample type: SS-Split Spoon RC-Rock Core CT-Cuttings
ST-Shelby Tube AS-Acetate Sleeve

MEA Inc. SOIL BORING LOG

Project Name	**Moore Tire**	**Boring No.**	**MW-4**	**Groundwater Level**	
Location	**Moorestown, PA**	**Surface Elev.**	**ft (est.)**	**Date**	**Depth**
Date Drilled	29 Jun 04	Boring Method	HSA		
Drilling Co.	MEA	Completion Depth	19.0 ft bgs		
Drill Foreman	David VonSteuben	Job No.			
Logged By	Nate Hawk				

Depth (feet)	Sample No.	Sample Type*	Sample Interval (bgs)	% Rec.	Soil Classification	Comments
5	1	CT	0-7'		Fill material, f-c gravel, l. f-c sand, tr. silt	
10	2	CT	7-15'		f-m grvl, l. f-c sand, tr. silt	
15	3	CT	15-19'		Or-brn Clay, s. silt, l. f-c sand	
20						
25						
30						
35						

*Sample type: SS-Split Spoon RC-Rock Core CT-Cuttings
ST-Shelby Tube AS-Acetate Sleeve

MEA Inc. SOIL BORING LOG

Project Name	**Moore Tire Center**	**Boring No.**	**SS-1**	**Groundwater Level**	
Location	**Moore Township**	**Surface Elev.**	**ft (est.)**	**Date**	**Depth**
Date Drilled	31 Mar 05	Boring Method	Direct Push		
Drilling Co.	MEA Inc.	Completion Depth	9.0 ft bgs		
Drill Foreman	RG	Job No.			
Logged By	RG				

Depth (feet)	Sample No.	Sample Type*	Sample Interval (bgs)	% Rec.	Visual Description	Comments
		AS	1-5'	60	1-4'-Brn Silt and m-c gravel, l. f-m sand	
5		AS	5-9'	75	4-5'-Gray Silt and m-c gravel, l. f-m sand 5-6.5'-Gray Clay, sm. Silt 6.5-9'-Brn Silt and m-c gravel, l. f-m sand	wet moist/dry
10						
15						
20						
25						
30						
35						

*Sample type: SS-Split Spoon RC-Rock Core CT-Cuttings
ST-Shelby Tube AS-Acetate Sleeve

MEA Inc. SOIL BORING LOG

Project Name	Moore Tire Center	**Boring No.**	SS-2	**Groundwater Level**	
Location	Moore Township	**Surface Elev.**	ft (est.)	**Date**	**Depth**
Date Drilled	31 Mar 05	Boring Method	Direct Push		
Drilling Co.	MEA Inc.	Completion Depth	9.0 ft bgs		
Drill Foreman	RG	Job No.			
Logged By	RG				

Depth (feet)	Sample No.	Sample Type*	Sample Interval (bgs)	% Rec.	Visual Description	Comments
		AS	1-5'	50	1-4.5'-Brn Silt and m-c gravel, l. f-m sand	
5		AS	5-9'	70	4.5-5'-Gray Silt and m-c gravel, l. f-m sand 5-8'-Gray Clay, l. f-m gravel, tr. silt	wet
10					8-9'-Brn Silt and m-c gravel, l. f-m sand	slightly moist
5						
20						
25						
30						
35						

*Sample type: SS-Split Spoon ST-Shelby Tube RC-Rock Core AS-Acetate Sleeve CT-Cuttings

MEA Inc. SOIL BORING LOG

Project Name	**Moore Tire Center**	**Boring No.**	**SS-3**	**Groundwater Level**	
Location	**Moore Township**	**Surface Elev.**	**ft (est.)**	**Date**	**Depth**
Date Drilled	31 Mar 05	Boring Method	Direct Push		
Drilling Co.	MEA Inc.	Completion Depth	9.0 ft bgs		
Drill Foreman	RG	Job No.			
Logged By	RG				

Depth (feet)	Sample No.	Sample Type*	Sample Interval (bgs)	% Rec.	Visual Description	Comments
		AS	1-5'	60	1-4'-Brn Silt and m-c gravel, l. f-m sand	dry
5					4-5'-Gray Silt and m-c gravel, l. f-m sand	slightly moist
		AS	5-9'	75	5-8'-Gray Clay, l. f-m gravel	wet
					8-9'-Brn Silt and m-c gravel, l. f-m sand	wet/dry
10						
5						
20						
25						
30						
35						

*Sample type: SS-Split Spoon RC-Rock Core CT-Cuttings
ST-Shelby Tube AS-Acetate Sleeve

MEA Inc. SOIL BORING LOG

Project Name	Moore Tire Center	Boring No.	SS-8	Groundwater Level Date	Depth
Location	Moore Township	Surface Elev.	ft (est.)		
Date Drilled	31 Mar 05	Boring Method	Direct Push		
Drilling Co.	MEA Inc.	Completion Depth	9.0 ft bgs		
Drill Foreman	RG	Job No.			
Logged By	RG				

Depth (feet)	Sample No.	Sample Type*	Sample Interval (bgs)	% Rec.	Visual Description	Comments
		AS	1-5'	35	1-5'-Yell Brn Silt, sm. f-c sand, sm. f-c gravel	moist
5			5-9'	75	5-9'-Brn Silt, sm f-c gavel, l. f sand	very moist
10						
5						
20						
25						
30						
35						

*Sample type: SS-Split Spoon ST-Shelby Tube RC-Rock Core AS-Acetate Sleeve CT-Cuttings

ATTACHMENT B

Post Excavation Soil Sample Analytical Results

MEA INC.
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

MOORE TIRE & SERVICE
Sampled 01/23/04

Sample ID	SS-1	SS-2	SS-3	SS-4
Lab ID	C0402301XX	C0402302XX	C0402303XX	C0402304XX
Date Collected	1/23/04	1/23/04	1/23/04	1/23/04
Date Analyzed	1/29/04	1/29/04	1/29/04	1/29/04
Date Extracted				
Data File	TD181.D	TD182.D	TD183.D	TD184.D
Matrix	SOIL	SOIL	SOIL	SOIL
Units	ug/kg	ug/kg	ug/kg	ug/kg
Final Multiplier	1	1	1	1

Method 8260 GC/MS

Target Parameters

tert-butyl alcohol	110 U	110 U	120 U	120 U
tert-Butyl-Methyl-Ether	6 U	6 U	6 U	6 U
Diisopropyl ether	6 U	6 U	6 U	6 U
ethyl-tert-butyl ether	6 U	6 U	6 U	6 U
Benzene	6 U	6 U	6 U	6 U
tert-amyl methyl ether	6 U	6 U	6 U	6 U
Toluene	6 U	6 U	6 U	6 U
Ethylbenzene	6 U	6 U	6 U	6 U
M&P Xylene	11 U	11 U	12 U	12 U
O Xylene	6 U	6 U	6 U	6 U
Cumene	6 U	6 U	6 U	6 U
1,3,5-trimethylbenzene	6 U	6 U	6 U	6 U
1,2,4-trimethylbenzene	6 U	6 U	6 U	6 U
Naphthalene	6 U	6 U	6 U	6 U

This report has been reviewed by the person(s) signed below.
This report is accurate to the best of our knowledge.

Analyst(s) Review

Tina L. Drake 2/11/04

Tina L. Drake, Laboratory Director — Date

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

MEA INC.
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

MOORE TIRE & SERVICE
UST Removal Sampled 01/26/04

Sample ID	SS-10	SS-5	SS-6	SS-7	SS-8	SS-9
Lab ID	F0402606XX	F0402601XX	F0402602XX	F0402603XX	F0402604XX	F0402605XX
Date Collected	1/26/04	1/26/04	1/26/04	1/26/04	1/26/04	1/26/04
Date Analyzed	1/30/04	1/30/04	1/30/04	1/30/04	1/30/04	1/30/04
Date Extracted						
Data File	TD209.D	TD204.D	TD205.D	TD206.D	TD207.D	TD208.D
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Final Multiplier	1	1	1	1	1	1
Method 8260 GC/MS						
Target Parameters						
tert-butyl alcohol	110 U	110 U	110 U	110 U	110 U	110 U
tert-Butyl-Methyl-Ether	6 U	6 U	6 U	6 U	6 U	6 U
Diisopropyl ether	6 U	6 U	6 U	6 U	6 U	6 U
ethyl-tert-butyl ether	6 U	6 U	6 U	6 U	6 U	6 U
Benzene	6 U	6 U	6 U	6 U	6 U	6 U
tert-amyl methyl ether	6 U	6 U	6 U	6 U	6 U	6 U
Toluene	6 U	6 U	6 U	6 U	6 U	6 U
Ethylbenzene	6 U	6 U	6 U	6 U	6 U	6 U
M&P Xylene	11 U	11 U	11 U	11 U	11 U	11 U
O Xylene	6 U	6 U	6 U	6 U	6 U	6 U
Cumene	6 U	6 U	6 U	6 U	6 U	6 U
1,3,5-trimethylbenzene	6 U	6 U	6 U	6 U	6 U	6 U
1,2,4-trimethylbenzene	6 U	6 U	6 U	6 U	6 U	6 U
Naphthalene	6 U	6 U	6 U	6 U	6 U	6 U

This report has been reviewed by the person(s) signed below.
This report is accurate to the best of our knowledge.

Analyst(s) Review

Tina L. Drake, Laboratory Director — Date 2/11/04

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

Phone: (61 9-5127

EA, INC
136[illegible]ermanville Road
Bangor, Pennsylvania

Fax: (610) 599-5[illegible]

CHAIN OF CUSTODY

Client: MEA, INC.	Project Manager	Date: 1/26/04	Chain of Custody Number
Address	Telephone Number (AreaCode)/Fax Number	Lab Number: 56402[illegible]	Page 1 of 2
City / State / Zip Code	Site Contact / Lab Contact	Project Number/Project Name: MOORE TIRE SERVICE	

FOR LABORATORY USE ONLY

Analysis(es) Requested: 8260

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Sample Weight	Date	Time	MATRIX: Aqueous	Sediment	Soil	#	Container Type	Preservative Type	FOR LABORATORY USE ONLY: Lab ID
SS-5 LLNP 12204-02	5.0	1/26/04	1300			X	X	V	NONE	[illegible]626-01 X
SS-5 LLNP 12204-01	5.1		1300			X	X		↓	
SS-5 HL 080403-69	5.0		1300			X	X		Meth.	
SS-6 LLNP 12204-04	5.0		1320			X	X		NONE	[illegible]626-02 X
SS-6 LLNP 12204-05	5.0		1320			X	X		↓	
SS-6 HL 12403-67	~~5.1~~ 5.0		1320			X	X		METH.	
SS-7 LLNP 12204-03	5.0		1340			X	X		NONE	[illegible]626-03 X
SS-7 LLNP 12204-06	~~5.0~~ 4.9	↓	1340			X	X	↓	↓	
SS-7 HL 11403-77	4.9	1/26/04	1340			X	X	V	Meth.	

Sample Archive/Disposal: ☐ Laboratory Standard Other_____ Container Types: E= Encore Sampler, V= VOA Vial, A= 1-Liter Amber, G= Glass Jar, C= Cassette, O= Other _____

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Kevin L. Kent	1/26/04	1700	1. Received By: [illegible]	1/26/04	1700
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Instructions/Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Return to Client with Report; PINK - Field Copy

Phone: (61[illegible] 9-5127

[illegible]EA, INC
1365 [illegible]ermanville Road
Bangor, Pennsylvania

(610) 599-51

CHAIN OF CUSTODY

Client: MEA, INC.	Project Manager		Date: 1/26/04	Chain of Custody Number	
Address	Telephone Number (AreaCode)/Fax Number		Lab Number: F04026 XX	Page 2 of 2	
City	State	Zip Code	Site Contact	Lab Contact	Project Number/Project Name: MOORE TIRE SRC

FOR LABORATORY USE ONLY

Analysis(es) Requested: 8260

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Sample Weight	Date	Time	MATRIX: Aqueous	Sediment	Soil	#	Container Type	Preservative Type	FOR LABORATORY USE ONLY: LIMS ID
SS-8 CLNP 12204-8	5.1	1/26/04	1350			X	1	V	HCL	F04026 01 XX
SS-8 CLNP 12204-07	5.1		1350			X	1			
SS-8 HL 11403-78	5.1		1350			X	1			
SS-9 CLNP 112403-12	5.0		1430			X	1			F04026 05 XX
SS-9 CLNP 112403-09	5.0		1430			X	1			
SS-9 HL 11403-74	5.0		1430			X	1			
SS-10 CLNP 112403-08	4.9		1445			X	1			F04026 06 XX
SS-10 CLNP 112403-15	4.9		1445			X	1	V	V	
SS-10 HL 11403-69	5.0	1/26/04	1445			X	1	V	HCL	

Sample Archive/Disposal: ☐ Laboratory Standard Other_____ Container Types: E= Encore Sampler, V= VOA Vial, A= 1-Liter Amber, G= Glass Jar, C= Cassette, O= Other _____

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: David Kent	1/26/04	1700	1. Received By: [signature]	126/04	1706
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Instructions/Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Return to Client with Report; PINK - Field Copy

ATTACHMENT C

Soil Sampling Analytical Results for Closure of Original Tank System

MEA INC.
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

MOORE TIRE & SERVICE
Sampled 03/31/05

Sample ID	SS-1 (8-9')	SS-2 (8-9')	SS-3 (8-9')	SS-8 (8-9')
Lab ID	A0509002MMM	A0509003MMM	A0509004MMM	A0509001MMM
Date Collected	3/14/05	3/14/05	3/14/05	3/14/05
Date Analyzed	4/1/05	4/1/05	4/1/05	4/1/05
Date Extracted				
Data File	SV4788.D	SV4789.D	SV4790.D	SV4787.D
Dilution Data File(s)				
Matrix	SOIL	SOIL	SOIL	SOIL
Units	ug/kg	ug/kg	ug/kg	ug/kg
% Moisture	11.55	13.05	11.80	15.48
Dilution Factor(s)	1	1	1	1

Method 8260 GC/MS
Target Parameters

tert-Butyl-Methyl-Ether	6 U	6 U	6 U	6 U
Benzene	6 U	6 U	6 U	6 U
1,2-Dichloroethane	6 U	6 U	6 U	6 U
Toluene	6 U	6 U	6 U	6 U
1,2-Dibromoethane	6 U	6 U	6 U	6 U
Ethylbenzene	6 U	6 U	6 U	6 U
M&P Xylene	11 U	12 U	11 U	12 U
O Xylene	6 U	6 U	6 U	6 U
Cumene	6 U	6 U	6 U	6 U
Naphthalene	6 U	6 U	6 U	6 U
1,3,5-trimethylbenzene	6 U	6 U	6 U	6 U
1,2,4-trimethylbenzene	6 U	6 U	6 U	6 U

This report has been reviewed by the person(s) signed below.
This report is accurate to the best of our knowledge.

Analyst(s) Review

Tina L Drake 4/13/05

Tina L. Drake, Laboratory Director Date

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

Phone: (610) 127

, INC
1365 Ac...nanville Road
Bangor, Pennsylvania

F: 10) 599-5128

CHAIN OF CUSTODY

Client	Project Manager	Date	Chain of Custody Number
MEA		3-31-05	
Address	Telephone Number (AreaCode)/Fax Number	Lab Number	Page 1 of 1
City / State / Zip Code	Site Contact / Lab Contact	Project Number/Project Name	
		Moore Tire	

FOR LABORATORY USE ONLY
Laboratory Project No:
Storage Refrigerator ID:
Storage Freezer ID:
Seal(s)
Cooler No.

Analysis(es) Requested: 8260

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Sample Weight	Date	Time	MATRIX: Aqueous	Sediment	Soil	#	Container Type	Preservative Type	FOR LABORATORY USE ONLY: Lab ID
SS-8(8-9') BD779698 4.97 / BD779699 4.97	5.01 / 5.02	3-31-05	0905			X	2	V	NaHSO4	
SS-8(8-9') 3.29.05-63	5.02	4.96	0905			X	1	V	meth	
SS-1(8-9') BD779566 4.95 / BD779560 4.91	5.01 / 4.98		0925			X	2	V	NaHSO4	
SS-1(8-9') 3.29.05-73	5.00	4.95	0925			X	1	V	meth	
SS-2(8-9') BD779565 4.97 / BD779559 4.97	5.01 / 5.01		0945			X	2	V	NaHSO4	
SS-2(8-9') 3.29.05-70	5.01	4.94	0945			X	1	V	meth	
SS-3(8-9') BD779567 / BD779558	5.01 / 4.98	4.97 / 4.96	1005			X	2	V	NaHSO4	
SS-3(8-9') 3.29.05-76	5.06	4.97	1005			X	1	V	meth	

Sample Archive/Disposal: ☐ Laboratory Standard Other _____ Container Types: E= Encore Sampler, V= VOA Vial, A= 1-Liter Amber, G= Glass Jar, C= Cassette, O= Other _____

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): unleaded with EDB and EDC

	Date	Time		Date	Time
1. Relinquished By	3/31/05	1100	1. Received By: S. VanNatta	3-31-05	1100
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Instructions/Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Return to Client with Report: PINK - Field Copy

ATTACHMENT D

Tank Excavation Groundwater Sample Analytical Results

MEA INC.
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

MOORE TIRE & SERVICE
Surface Water Sampled 01/23/04

Sample ID	SW-1	SW-2
Lab ID	D0402301XX	D0402302XX
Date Collected	1/23/04	1/23/04
Date Analyzed	1/29/04	1/29/04
Date Extracted		
Data File	TD185.D	TD186.D
Matrix	WATER	WATER
Units	ug/L	ug/L
Final Multiplier	1	1

Method 8260 GC/MS
Target Parameters

tert-butyl alcohol	14 J	15 J
tert-Butyl-Methyl-Ether	42	150
Diisopropyl ether	5 U	5 U
ethyl-tert-butyl ether	5 U	5 U
Benzene	6	56
tert-amyl methyl ether	5 U	5 U
Toluene	28	130
Ethylbenzene	2 J	3 J
M&P Xylene	12	10 J
O Xylene	4 J	5 U
Cumene	5 U	5 U
1,3,5-trimethylbenzene	5 U	5 U
1,2,4-trimethylbenzene	5 U	5 U
Naphthalene	5 U	5 U

This report has been reviewed by the person(s) signed below.
This report is accurate to the best of our knowledge.

Analyst(s) Review

Tina L. Drake 2/12/04

Tina L. Drake, Laboratory Director — Date

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

Phone: (610, 5127

A, INC
1365 Ackermanville Road
Bangor, Pennsylvania

(610) 599-512

CHAIN OF CUSTODY

Client	Project Manager	Date	Chain of Custody Number
MEA, INC.		1/23/04	
Address	**Telephone Number (AreaCode)/Fax Number**	**Lab Number**	Page 1 of 1
		D04023XX	
City / **State** / **Zip Code**	**Site Contact** / **Lab Contact**	**Project Number/Project Name**	
		Moore Tire & Service	

FOR LABORATORY USE ONLY
Laboratory Project No: _____
Storage Refrigerator ID: _____
Storage Freezer ID: _____
Secured: Yes ____ No ____

Analysis(es) Requested

Sample Condition Upon Receipt: _____

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Sample Weight	Date	Time	MATRIX: Aqueous	Sediment	Soil		8260												#	Container Type	Preservative Type	FOR LABORATORY USE ONLY: Lab ID
SW-1		1/23	1450	X				X												2	V	HCL	D04023 01 XX
SW-2		1/23	1500	X				X												2	V	HCL	D04023 02 XX

Sample Archive/Disposal: ☐ Laboratory Standard Other _____ Container Types: E= Encore Sampler, V= VOA Vial, A= 1-Liter Amber, G= Glass Jar, C= Cassette, O= Other _____

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): SHORT LIST UNLEADED GASOLINE

	Date	Time		Date	Time
1. Relinquished By: Lori L. Kent	1/23/04	1800	1. Received By:	1/23/04	1800
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Instructions/Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Return to Client with Report; PINK - Field Copy

ATTACHMENT E

Temporary Well Point Analytical Results

MEA INC.
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

MOORE TIRE & SERVICE
Sampled 05/24/04

Sample ID	TB052404	FB052404	TWP-1	TWP-2	TWP-3	TWP-5	TWP-6	TWP-7
Lab ID	C0414501XX	C0414502XX	C0414503XX	C0414504XX	C0414505XX	C0414506XX	C0414507XX	C0414508XX
Date Collected	5/24/04	5/24/04	5/24/04	5/24/04	5/24/04	5/24/04	5/24/04	5/24/04
Date Analyzed	6/2/04	6/2/04	6/2/04	6/2/04	6/2/04	6/2/04	6/2/04	6/2/04
Date Extracted								
Data File	GF2409.D	GF2410.D	GF2411.D	GF2412.D	GF2413.D	GF2414.D	GF2417.D	GF2418.D
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Final Multiplier	1	1	1	1	1	1	1	1

Method 8260 GC/MS
Target Parameters

tert-Butyl-Methyl-Ether	5 U	5 U	5 U	5 U	7	5 U	5	9
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
M&P Xylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
O Xylene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cumene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3,5-trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

This report has been reviewed by the person(s) signed below.
This report is accurate to the best of our knowledge.

Analyst(s) Review

Tina L. Drake 6/7/04
Tina L. Drake, Laboratory Director Date

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

Phone: (610) . 127

, INC
1365 Ackermanville Road
Bangor, Pennsylvania

(610) 599-5128

CHAIN OF CUSTODY

Client	Project Manager	Date	Chain of Custody Number
MEA		5/24/04	
Address	**Telephone Number (AreaCode)/Fax Number**	**Lab Number**	**Page 1 of 1**
		C0414502 XX	
City	**State / Zip Code**	**Site Contact / Lab Contact**	**Project Number/Project Name**
			Moore Tire

FOR LABORATORY USE ONLY
Laboratory Project No:
Storage Refrigerator ID:
Storage Freezer ID:
Secured: Yes ___ No ___

Analysis(es) Requested: 8260

Sample Condition Upon Receipt:

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Sample Weight	Date	Time	MATRIX: Aqueous	Sediment	Soil		#	Container Type	Preservative Type	FOR LABORATORY USE ONLY: Lab ID
TB052404		5/24/04	1145	X			✓	2	V	HCl	C04145 01 XX
FB052404		5/24/04	1330	X			✓	2	V	HCl	C04145 02 XX
TWP-1		5/24/04	1300	X			✓	2	V	HCl	C04145 03 XX
TWP-2		5/24/04	1310	X			✓	2	V	HCl	C04145 04 XX
TWP-3		5/24/04	1320	X			✓	2	V	HCl	C04145 05 XX
TWP-5		5/24/04	1340	X			✓	3	V	HCl	C04145 06 XX
TWP-6		5/24/04	1350	X			✓	2	V	HCl	C04145 07 XX
TWP-7		5/24/04	1400	X			✓	2	V	HCl	C04145 08 XX

Sample Archive/Disposal: ☐ Laboratory Standard Other ___ Container Types: E= Encore Sampler, V= VOA Vial, A= 1-Liter Amber, G= Glass Jar, C= Cassette, O= Other ___

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ___

QC Requirements (Specify): Run MS/MSD on TWP-5 UNPB501.Gem

	Date	Time		Date	Time
1. Relinquished By	5/24/04	1600	1. Received By	5/24/04	1600
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Instructions/Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Return to Client with Report; PINK - Field Copy

MEA INC.
1365 ACKERMANVILLE ROAD
BANGOR, PENNSYLVANIA 18013

MOORE TIRE & SERVICE
Sampled 05/21/04

Sample ID	TB052104	FB052104	TWP-1	TWP-4	TWP-4DUP
Lab ID	C0414201XX	C0414202XX	C0414203XX	C0414204XX	C0414205XX
Date Collected	5/21/04	5/21/04	5/21/04	5/21/04	5/21/04
Date Analyzed	5/28/04	5/28/04	5/28/04	5/28/04	5/28/04
Date Extracted					
Data File	GF2395.D	GF2396.D	GF2397.D	GF2398.D	GF2399.D
Matrix	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Final Multiplier	1	1	1	1	1

Method 8260 GC/MS
Target Parameters

tert-Butyl-Methyl-Ether	5 U	5 U	5 U	3 J	3 J
Benzene	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U
M&P Xylene	10 U	10 U	10 U	10 U	10 U
O Xylene	5 U	5 U	5 U	5 U	5 U
Cumene	5 U	5 U	5 U	5 U	5 U
1,3,5-trimethylbenzene	5 U	5 U	5 U	5 U	5 U
1,2,4-trimethylbenzene	5 U	5 U	5 U	5 U	5 U
Naphthalene	5 U	5 U	5 U	5 U	5 U

This report has been reviewed by the person(s) signed below.
This report is accurate to the best of our knowledge.

Analyst(s) Review

Tina L Drake 6/7/04
Tina L. Drake, Laboratory Director Date

B: Analyte was also detected in the analytical method blank.
E: Estimated concentration above the high calibration standard.
J: Estimated concentration at or below the reporting limit (RL).
U: Analyte was not detected at or above the RL.

Phone: (610) 5[illegible] 27

[illegible] INC
1365 Ackermanville Road
Bangor, Pennsylvania

F[illegible] 10) 599-5128

CHAIN OF CUSTODY

Client	Project Manager	Date	Chain of Custody Number
MEA		5/21/04	
Address	**Telephone Number (AreaCode)/Fax Number**	**Lab Number**	**Page 1 of 1**
		04142 XX	
City	**State / Zip Code**	**Site Contact / Lab Contact**	**Project Number/Project Name**
			Moore Tire Center

FOR LABORATORY USE ONLY
Laboratory Project No:
Storage Refrigerator ID:
Storage Freezer ID:
Secured: Yes ___ No ___

Analysis(es) Requested: 8260

Sample Condition Upon Receipt:

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Sample Weight	Date	Time	MATRIX: Aqueous	Sediment	Soil		#	Container Type	Preservative Type	FOR LABORATORY USE ONLY: Lab ID
TB 052104		5/21/04	855	X				2	V	HCl	04142-01-XX
FB 052104		5/21/04	1525	X				2	V	HCl	04142-02-XX
TWP-1		5/21/04	1505	X				2	V	HCl	04142-03-XX
TWP-4		5/21/04	1535	X				2	V	HCl	04142-04-XX
TWP-4DUP		5/21/04	1535	X				2	V	HCl	04142-05-XX

Sample Archive/Disposal: ☐ Laboratory Standard Other_____ Container Types: E= Encore Sampler, V= VOA Vial, A= 1-Liter Amber, G= Glass Jar, C= Cassette, O= Other _____

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): UNLEADED GAS UNPBSTOL.EEM

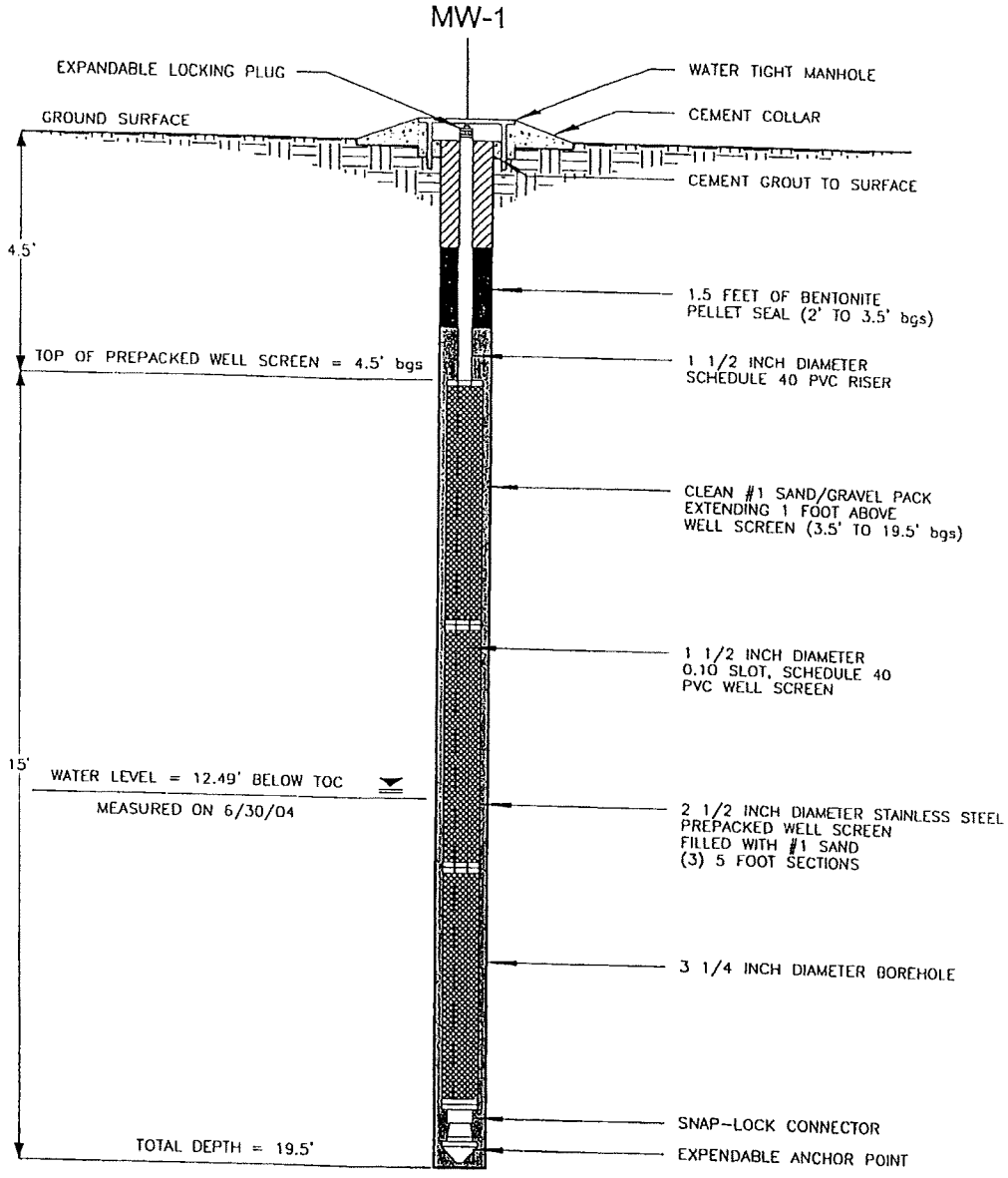
	Date	Time		Date	Time
1. Relinquished By	5/21/04	1715	1. Received By	5/21/04	1715
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Instructions/Comments:

DISTRIBUTION: WHITE [illegible]

ATTACHMENT F

Monitoring Well Construction Diagrams



LEGEND

bgs – BELOW GROUND SURFACE
TOC – TOP OF CASING

MEA INC.

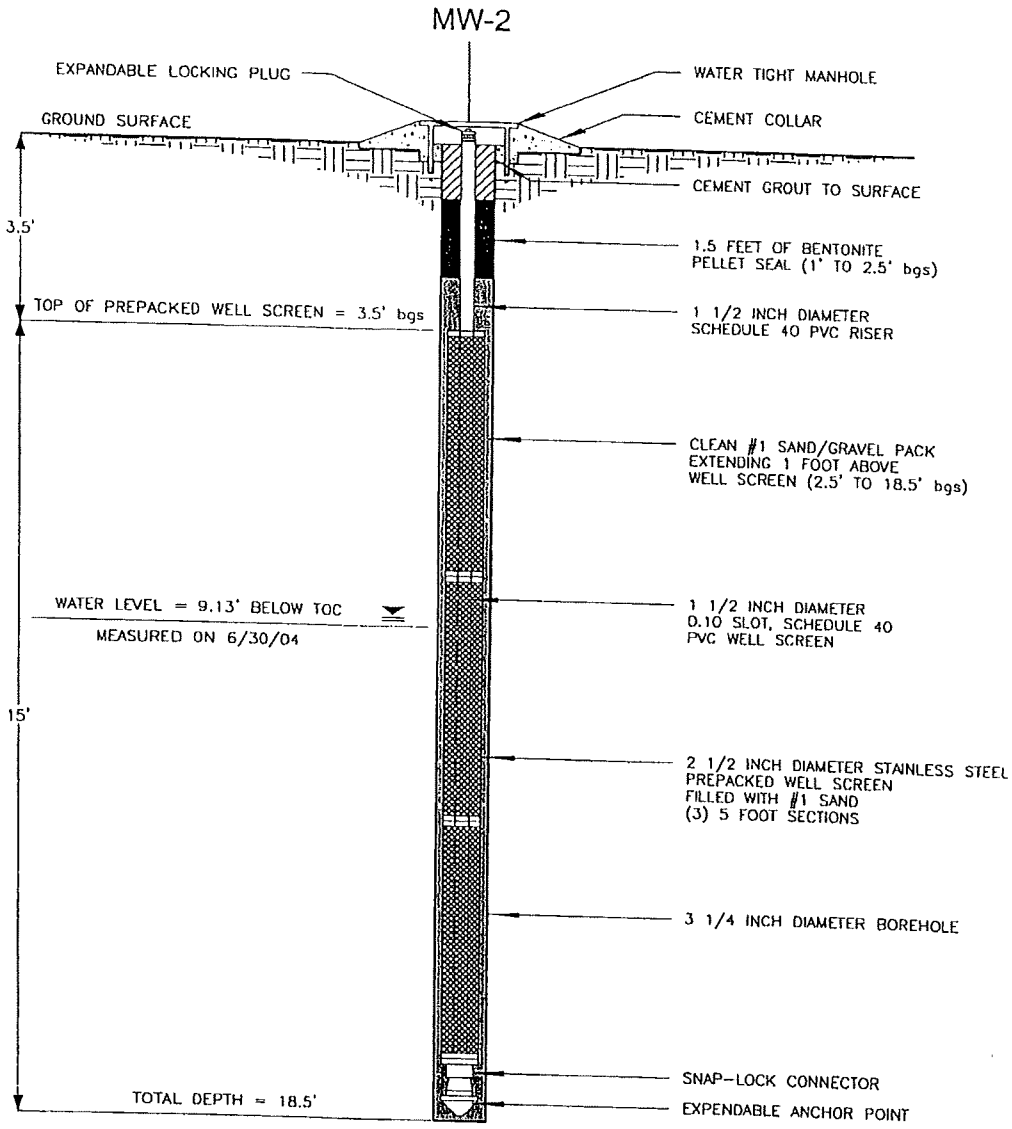
SCALE: AS SHOWN

ATTACHMENT

PREPACKED SCREEN MONITORING WELL CONSTRUCTION DIAGRAM IN OVERBURDEN (MW-1)

MOORE TIRE CENTER
MOORESTOWN, PENNSYLVANIA

DWG: MEA1831 11/03/04



LEGEND

bgs – BELOW GROUND SURFACE
TOC – TOP OF CASING

MEA INC.

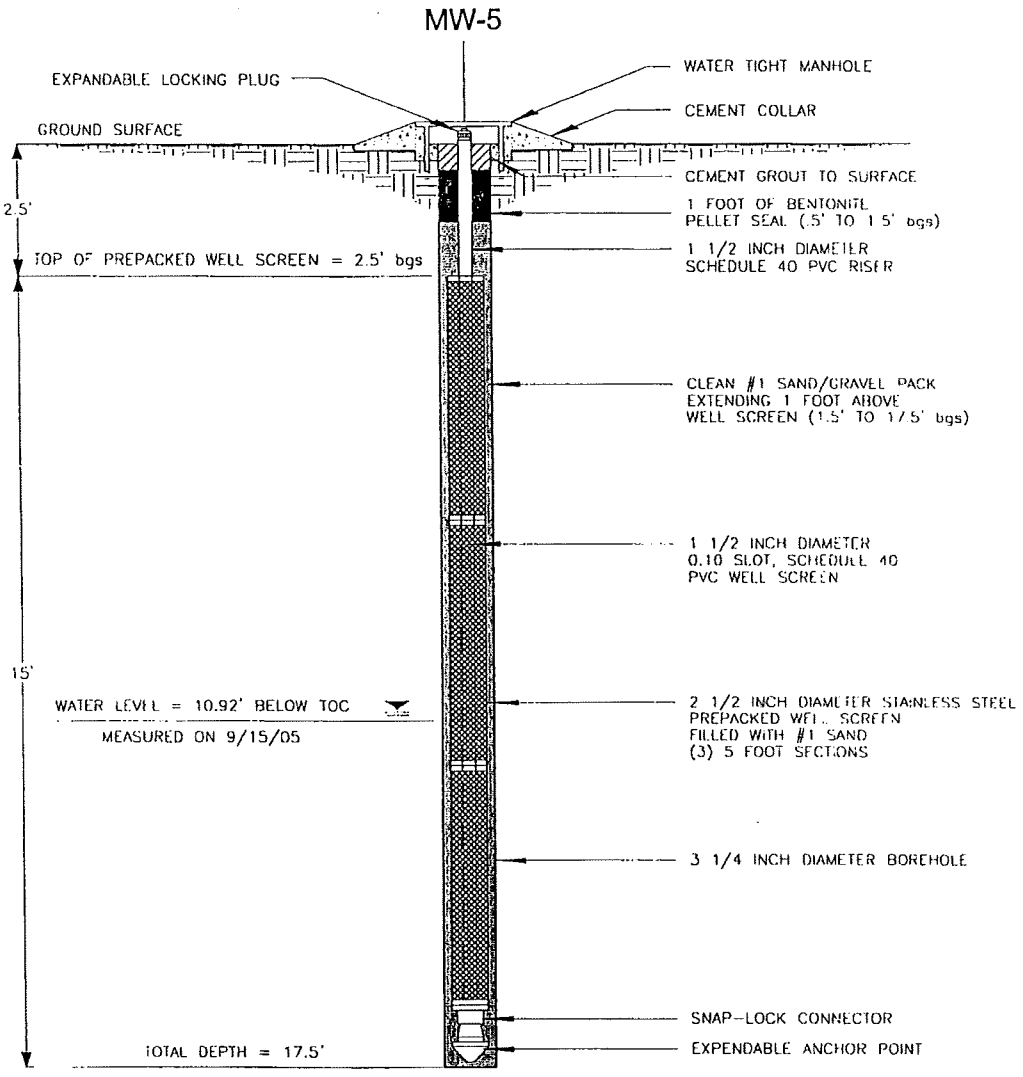
SCALE: AS SHOWN

ATTACHMENT

PREPACKED SCREEN MONITORING WELL CONSTRUCTION DIAGRAM IN OVERBURDEN (MW-2)

MOORE TIRE CENTER
MOORESTOWN, PENNSYLVANIA

DWG: MEA1832 11/03/04



LEGEND

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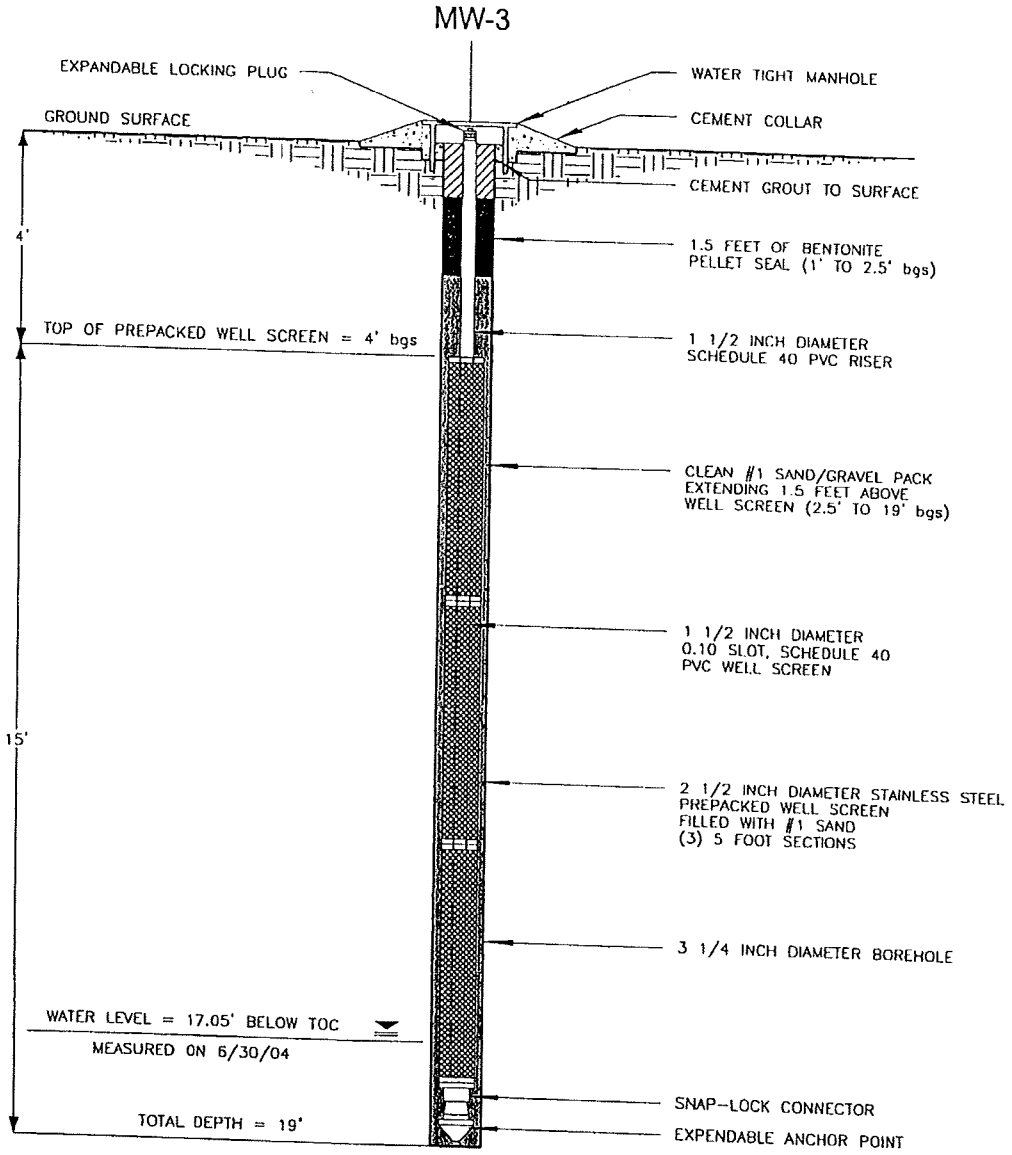
TOC – TOP OF CASING

MEA INC.

SCALE: AS SHOWN

ATTACHMENT
PREPACKED SCREEN MONITORING WELL CONSTRUCTION DIAGRAM IN OVERBURDEN (MW-5)
MOORE TIRE CENTER MOORESTOWN, PENNSYLVANIA

DWG: MEA2238 11/15/05



LEGEND

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DWG: MEA1833 11/03/04

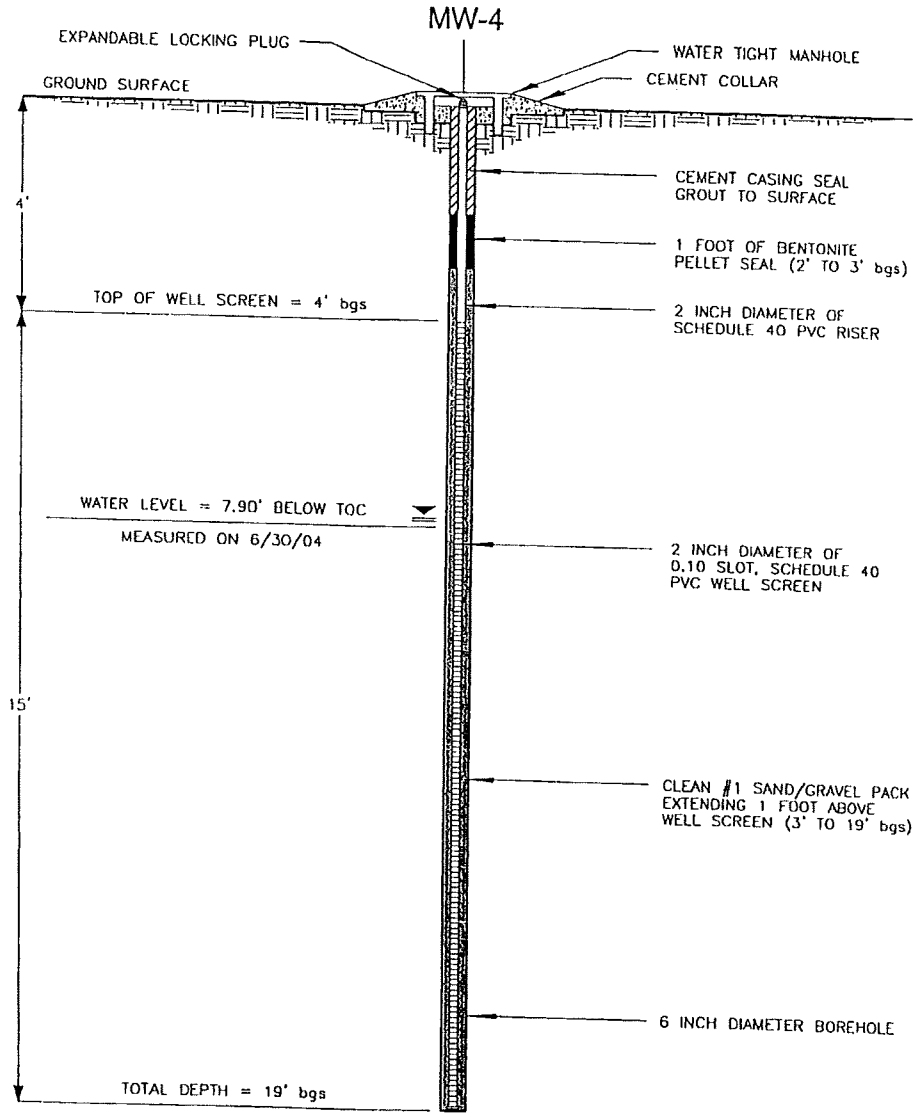
MEA INC.

SCALE: AS SHOWN

ATTACHMENT

PREPACKED SCREEN MONITORING WELL CONSTRUCTION DIAGRAM IN OVERBURDEN (MW-3)

MOORE TIRE CENTER
MOORESTOWN, PENNSYLVANIA



LEGEND

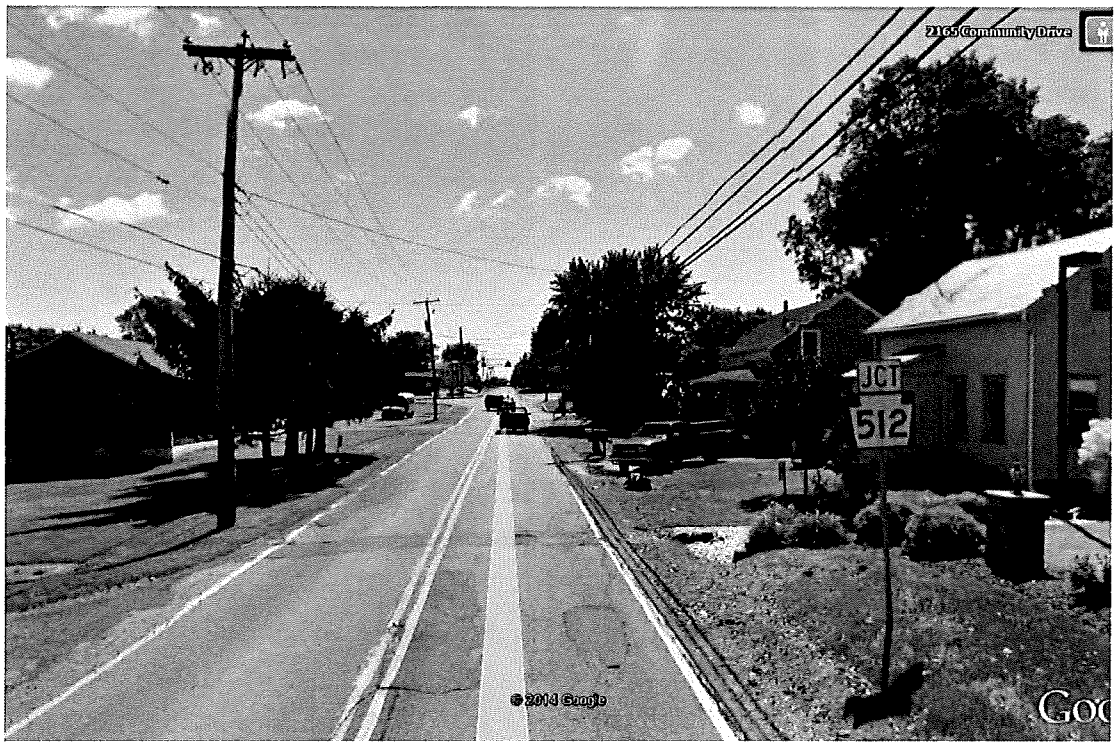
bgs – BELOW GROUND SURFACE
TOC – TOP OF CASING

MEA INC.

SCALE: AS SHOWN

ATTACHMENT
OVERBURDEN MONITORING WELL CONSTRUCTION DIAGRAM (MW-4)
MOORE TIRE CENTER MOORESTOWN, PENNSYLVANIA

DWG: MEA1B3 11/03/04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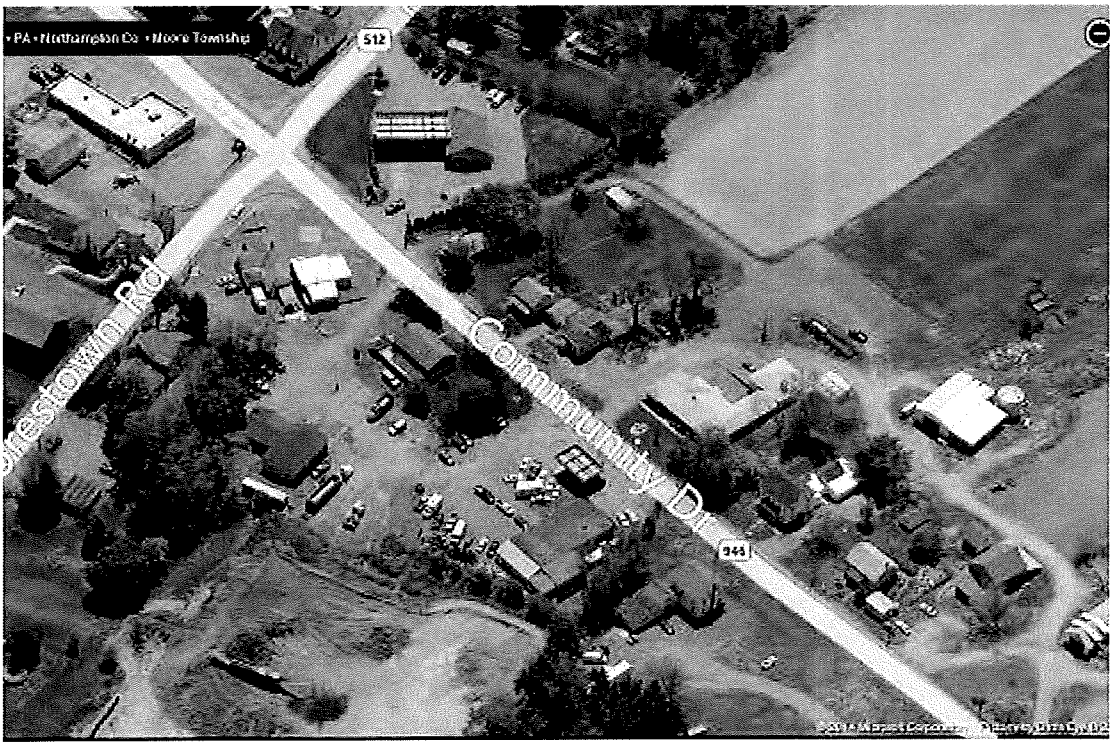
946
512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