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MONITORING WELL INTEGRITY REPORT VOLNEY LANDFILL VOLNEY, NEW YORK REVISION I

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Prepared for

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MONITORING WELL INTEGRITY REPORT VOLNEY LANDFILL VOLNEY, NEW YORK

March 18, 1994

Geraghty & Miller, Inc. is submitting this report to Oswego County for work performed at the Volney Landfill in Volney, Oswego County, New York. The report was prepared in conformance with Geraghty & Miller's strict quality assurance/quality control procedures to ensure that the report meets industry standards in terms of the methods used and the information presented. If you have any questions or comments concerning this report, please contact one of the individuals listed below.

Respectfully submitted,

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MONITORING WELL INTEGRITY REPORT VOLNEY LANDFILL VOLNEY, NEW YORK

INTRODUCTION

Geraghty & Miller, Inc. was retained by Oswego County and the participating industry potentially responsible parties (PRPs) in July 1993 to examine the condition of the existing monitoring wells at the Volney Landfill located on Silk and Howard Roads in Volney, New York in accordance with Task 1 of the Supplemental Pre-Remedial Studies (SPRDS) work plan, dated May 1993 (USEPA 1993). The purpose of the inventory was to assess the integrity and adequacy of the existing monitoring wells relative to 6 NYCRR Part 360 and USEPA well construction guidelines. This information was used to determine the adequacy and functionality of the existing monitoring wells at the site for providing water-level elevation, slug test and water quality data.

BACKGROUND

Numerous wells have previously been installed at the Volney Landfill (see Figure 1) by the United States Geological Survey (USGS), Geraghty & Miller (1984, 1985, 1990 and 1992) and URS Company, Inc. (1986) to monitor the occurrence and migration of groundwater and leachate at the landfill. However, during a previous walkover of the site conducted by Geraghty & Miller and Barton & Loguidice, P.C., many of these existing wells were observed to be in varying states of disrepair (i.e., apparent frost heaving, cracked cement surface seals, etc.) and/or were missing. Furthermore, well construction logs for all of the wells (mainly the USGS wells) are not available and a preliminary review of available well completion logs suggests that several of the wells may not have adequate surface seals. Therefore, prior to mobilizing the field effort for the SPRDS hydrogeologic investigation, Geraghty & Miller performed the integrity survey of the previously installed monitoring wells. A total of 49 monitoring wells were located and identified.

METHODOLOGY

From August 17 to August 19, 1993, the condition of each of the 49 previously installed monitoring wells was inspected and examined by a Geraghty & Miller geologist. This inspection included examining the condition of the surface seal, protective casing and other surface completion specifications. A clean, weighted stainless-steel tape was lowered into the well to measure total well depth (Table 1) and depth to water (Table 2). The measured total depths were compared with the original completion depths (Table 1) to determine the degree of sedimentation that may have occurred since the wells were installed. The height of the protective casing above ground (stick-up) was also measured to detect if frost-heave had occurred since installation. Original stick-ups and newly measured stick-ups are compared in Table 1. A bailer was then lowered into each well to check for blockage, degree of sedimentation, well plumbness and the condition of the standing water within it. Field observations were recorded on Well Inspection and Monitoring Well Integrity Field Survey Log Forms (Appendices A and B, respectively) and were checked against the original Well Construction Logs (Appendix C) when possible. The original Well Construction Logs were also reviewed to determine compliance with 6 NYCRR Part 360 and USEPA guidelines for well construction.

RESULTS AND FINDINGS

The condition of each well, as observed at the time of the field survey, is indicated on the Well Inspection Forms and Monitoring Well Integrity Field Survey Forms provided in Appendices A and B, respectively. Table 1 provides a summary and comparison of original versus current measurements of total depth and stick-ups for the existing wells located and Table 2 provides a summary of the monitoring well construction details (completion specifications) and water-levels measured for each well.

GW-Series

Fifteen wells in the GW-Series were located and inspected. These wells were installed by the USGS between 1979 and 1980. Originally, none of the GW-Series wells were constructed with a protective steel casing cemented into a secure surface seal. This protective equipment was installed under the direction of a Geraghty & Miller geologist in December 1984 (Geraghty & Miller 1985). Well Construction Logs for the USGS wells were not available, so construction details and installation dates are incomplete. It should be noted that wells GW-6, GW-7, GW-8, and GW-18 were previously damaged and replaced by Geraghty & Miller (i.e., GW-6R, GW-7R, GW-8R, and GW-18R, see Table 1) at the direction of Oswego County. The original USGS wells were abandoned in accordance with NYSDEC recommended guidelines [6 NYCRR Part 360 2.11 (h)(vi)]. Construction logs for the replacement wells are provided in Appendix C.

None of the existing USGS wells (GW-2, GW-3C, GW-3D, GW-9, GW-10, GW-11A, GW-12A, GW-14A, GW-15, GW-16, and GW-17) were constructed with cement (or clay) seals at land surface to prevent surface runoff from moving down the annular space between the well casing and borehole wall. In addition, information regarding sand pack intervals is unknown since well construction logs for these wells are not available and construction details are sketchy at best. With respect to the wells that were replaced (GW-6R, GW-7R, GW-8R and GW-18R), the review of Well Construction Logs indicated that the monitoring wells were constructed with appropriate sand pack, bentonite and grout seals in accordance with NYSDEC and USEPA guidelines at the time of their installation.

Results from the comparison of original and measured completion depths indicated that wells GW-2, GW-3C, GW-3D, GW-7R, GW-8R, and GW-18R contained less than one foot (between 0.04 and 0.84) of silt. The total depths of Wells GW-6R, GW-9, GW-11A, GW-12A, GW-14A and GW-15 were measured to be greater than their original total depth measurement (between 0.23 and 1.71 feet). The reason for these discrepancies is not clear. For Wells GW-10, GW-16 and GW-17, a comparison could not be made since information was not available on the original completion depth.

The results of the check for blockage and well plumbness indicated that the wells were not blocked and they appeared plumb, with the exception of wells GW-9, GW-11A, and GW-16, which were bent or kinked, restricting bailer movement inside the well. In addition, the following observations were noted during the integrity survey:

- the protective casing for well GW-10 was found to be missing and well GW-11A
 did not have a cement surface seal;
- the surface seals on wells GW-7R, GW-9, and GW-17 were found to have been cracked and/or frost heaved to some degree. Weep holes for drainage were not present in the base of the protective casings and well GW-18R was observed to have standing water inside the protective casing;
- the protective locking cover on wells GW-11A and GW-15 need to be repaired to prevent unauthorized access;
- wells GW-7R, GW-8R, GW-9, GW-10, GW-18, and GW-26 did not have push or screw-on well caps, and none of the well caps on the remaining wells were vented;
- each of the fifteen wells were labelled on the outside with the exception of GW-6R. The well locations were marked with orange posts with the exception of wells GW-6R, GW-12A, GW-16, GW-17, and GW-18R, making these wells difficult to locate;
- a dedicated teflon bailer was found tied inside each well. Groundwater observed in the bailer varied from clear to orange with moderate turbidity;
- a sixteenth USGS well, GW-25, is believed to have been located in the southeastern section of the landfill. This well was unmarked, did not have a

protective casing, and the cement seal was heaved greater than one foot above the existing grade. The well diameter was one inch, and the stick-up was measured at 4.55 feet above grade. This well may have been changed into a landfill gas vent, due to the presence of PVC elbows which have been threaded on.

SGW-Series

Nine wells in the SGW-Series were located and inspected. These wells were installed by Geraghty & Miller in December 1984 (SGW-26, SGW-27A, SGW-27B, SGW-28, SGW-29, SGW-30A, and SGW-30B) and July 1985 (SGW-33 and SGW-34) to supplement the existing groundwater monitoring network (USGS/GW-Series) at the landfill. It should be noted that well SGW-28 (now SGW-28R) was previously damaged and replaced by Geraghty & Miller in April 1990; the original well SGW-28 was abandoned in accordance with NYSDEC recommended guidelines.

The review of the Well Construction Logs (Appendix C) indicated that the SGW-Series monitoring wells were constructed with appropriate sand pack, bentonite and grout seals in accordance with NYSDEC and USEPA guidelines at the time of their installation, with the exception of SGW-27B, which had a sand pack interval extending more than 2 feet (or 20 percent) above the top of the screen. The results from the comparison of original and measured completion depths indicated that each well (with the exception of SGW-28R and SGW-30A) contained small amounts (between 0.01 and 0.57 feet) of silt; well SGW-28R contained 1.44 feet of silt, and well SGW-30A was measured to be greater than its original total depth by 0.29 feet.

The results of the check for blockage and well plumbness indicated that these wells were not blocked and they appeared plumb. In addition, the following observations were noted during the integrity survey:

the surface seals on wells SGW-27A, SGW-30B and SGW-34 were found to have been cracked and/or frost heaved and well SGW-27B did not have a surface seal;

- wells SGW-26, SGW-29, SGW-30A and SGW-30B were missing push or screwon well caps, and none of the well caps on the remaining wells were vented;
- weep holes for drainage were not present at the base of the protective casings and well SGW-28R was observed to have standing water inside the protective casing;
- each well was labeled on the outside (excluding SGW-28R, SGW-30B, SGW-33)
 and marked with orange painted posts;
- each well had functioning locking caps, which were keyed alike;
- a dedicated Teflon bailer was found tied in inside each well. Groundwater observed in the bailers ranged from clear and sediment free to an orange/red tint with moderate turbidity.

VBW-Series

There were 26 wells located and inspected from the VBW-Series, which were installed in January 1986 as part of the Remedial Investigation and Feasibility Study conducted by URS at the landfill (URS 1987). Since these wells were locked with a different keyed padlock than the GW- and SGW-Series wells, the locks on the VBW-Series wells were cut and replaced with locks common to the GW- and SGW- well series. It should be noted that well VBW-1 was not located; it is believed that this well was destroyed during re-grading activities previously conducted in this area.

The review of the Well Construction Logs (Appendix C) indicated that the VBW-Series monitoring wells were constructed with appropriate sand pack, bentonite and grout seals in accordance with NYSDEC and USEPA guidelines at the time of their installation, with the exception of well VBW-10D, which had a sand pack interval which extends more than 2 feet (or 20 percent) above the top of the screen. The results from the comparison of original and

measured completion depths indicated that wells VBW-2, VBW-3D, VBW-4S, VBW-6, VBW-7S, VBW-7D, VBW-9D, VBW-17 and VBW-17A contained small amounts (0.15 to 1.29 feet) of silt. In addition, wells VBW-3BR (5.32 feet), VBW-8R (4.71 feet), VBW-10D (2.20 feet) and VBW-10BR (2.80 feet) contained appreciable amounts of silt as indicated. Wells VBW-3S, VBW-3I, VBW-4D, VBW-5, VBW-8S, VBW-8D, VBW-9S, VBW-10S, VBW-11, VBW-12, VBW-13, VBW-14 and VBW-15 were measured to be greater than their original total depth measurements (between 0.07 and 7.10 feet). The reason for these discrepancies is not clear.

The results of the check for blockage and well plumbness indicated that the wells were not blocked and they appeared plumb. In addition, the following observations were noted during the integrity survey:

- wells VBW-2, VBW-3S, VBW-3I, VBW-3D, VBW-6, VBW-7S and VBW-17 did
 not appear to have concrete surface seals;
- the surface seals on wells VBW-3BR, VBW-9S, VBW-9D, VBW-11, VBW-13 and VBW-15 were found to have been cracked and/or frost heaved;
- wells VBW-9S, VBW-9D, VBW-10S and VBW-10BR were not labeled; each of the remaining wells were properly labeled. None of the VBW-Series wells were marked with posts, with the exception of VBW-4S, VBW-4D, VBW-7S and VBW-7D;
- wells VBW-4S, VBW-4D, VBW-7D and VBW-9S were missing push on screw caps, and none of the remaining well caps were vented;
- well VBW-8BR has a stick-up that extends above the top of the protective casing,
 restricting closure of the protective casing cover;

- two wells, VBW-10BR and VBW-11, had dedicated bailers tied inside each well.
 Water quality in the VBW-Series wells varied from clear and sediment free to orange and turbid;
- the following wells were found to be dry (see Table 2): VBW-4S, VBW-9S, VBW-9D, VBW-10S, VBW-10D and VBW-11.

SUMMARY

As part of the Supplemental Pre-Remedial Design Studies being conducted at the landfill, a total of 31 new monitoring wells have been installed. Aqueous samples are scheduled to be collected from these newly installed wells. In addition, the SPRDS work plan also calls for the collection of groundwater samples from the following monitoring wells (the testing program is summarized in Table 3-2 of the SPRDS work plan and Table 3 of this report): VBW-3BR, VBW-7S, VBW-7D, VBW-8S, VBW-8D, VBW-8BR, VBW-10D, VBW-14, GW-6R and GW-7R. Table 3 also summarizes the existing monitoring well testing program with respect to the collection of water-level measurements and slug testing. The purpose of the existing well inventory was to assess the integrity of the existing monitoring wells, and use that information to determine the adequacy and functionality of these wells for providing water-level measurement, slug test and water quality data.

Groundwater Sampling

Each of the 10 monitoring wells selected for sampling were constructed with what appears to be appropriate sand pack, bentonite and grout seals in accordance with NYSDEC and USEPA guidelines at the time of their installation. Out of the 10 existing wells scheduled to be sampled, well VBW-10D was the only well found to be dry and probably will not have water in it to sample. However, newly installed well LTW-7 is located approximately 175 feet to the east of VBW-10D, and both wells are screened in the lodgement till unit. Therefore, water quality information from the lodgement till unit will be able to be obtained in this area from well

LTW-7. Wells VBW-3BR and VBW-8BR both contained appreciable amounts of sediment (5.32 and 4.71 feet, respectively) and should be re-developed prior to sampling. Well VBW-7S contained 0.47 feet of silt; however, it appears to be functioning properly and should provide reliable water quality information.

The surface seal on well GW-7R was found to be cracked and well VBW-7S did not appear to have a surface seal. In addition, both wells contained a small build-up (0.63 and 0.47 feet, respectively) of sediment. With respect to VBW-7S, newly installed shallow piezometer SP-11 is located approximately 25 to 50 feet to the west of VBW-7S and both are screened in the shallow granular material. SP-11 is intended to provide shallow groundwater quality data which will identify potential leachate bypass of the existing northern leachate collection system. Since VBW-7S did not appear to have a surface seal which could compromise the groundwater quality if a sample were to be collected, it is proposed to utilize the water quality information from SP-11 as a substitute for VBW-7S. With respect to GW-7R, it is believed that although the surface seal was found to be cracked, it will be necessary to collect a groundwater sample from GW-7R since the groundwater from this well will provide water quality information along the eastern section of Howard Road and will allow for a comparison with the water quality data previously collected by Oswego County since 1984.

The remaining wells, VBW-8S (0.07 feet), VBW-8D (0.47 feet), VBW-14 (1.23 feet) and GW-6R (0.38 feet) were measured to be greater than their original total depth measurements. The reason for these discrepancies is not clear. It is possible that the original measurements were erroneous. However, these wells appear to be functioning properly and should provide reliable water quality information.

Water-Level Measurements

The SPRDS work plan (see work plan Table 3-2 and Table 3 of this report) specifies the collection of water-level measurements from selected existing monitoring wells. However, there were several additional wells (mainly off-site) located and examined during the well integrity

survey. Although not originally specified, water-level measurements will be collected from these additional wells (see Table 3) to supplement the water-level elevation data base which should assist in establishing groundwater flow trends and allow for an evaluation of potential gradient variations (both horizontal and vertical) at the site. However, it should be noted that if anomalous water-level elevations are measured from a particular well, this information may be disregarded if there is a reason to suspect the integrity of the well where the measurement was collected. This decision will be made with USEPA approval.

Slug Tests

The SPRDS work plan calls for the performance of slug tests on the following existing monitoring wells: VBW-4S, VBW-4D, VBW-5, VBW-7S, VBW-7D, VBW-8S, VBW-8D, VBW-8BR, VBW-10D, GW-6R, SG-7R, SGW-30A and SGW-30B. The slug tests will assist in the determination of the hydraulic conductivity of the formation material around the screened interval of each well.

Well VBW-4S was found to be dry and will not be slug tested. The integrity of the remaining wells was found to be adequate with respect to the performance of slug tests.

REFERENCES

- Geraghty & Miller, Inc., 1985. Hydrogeologic Investigation of the Oswego Valley Landfill Site, Volney, New York, July 1985.
- URS Company, Inc., 1987. Remedial Investigation/Feasibility Study, Volney Landfill, Town of Volney, Oswego County, New York, May 1987.
- United States Environmental Protection Agency, 1993. Supplemental Pre-Remedial Design Studies-Remedial Design Work Plan, Volney Landfill Site, Town of Volney, Oswego County, New York, May 1993.

Table 1. Summary and Comparison of Original vs. Current Measurements of Total Depth and Stick-Up for Existing Monitoring Wells, Volney Landfill, Volney, New York.

| Well Mumber | Date | Original Completion | Measured | Difference | Original Stick-Up | Measured Stick-Up |
|-------------|-----------|---------------------|----------|------------|----------------------|-------------------|
| well number | Installed | Deptil (1) | | (1991) | (1991) | (1991) |
| GW-2 | 1979 | 15.30 | 15.20 | -0.10 | 1.30 | 2.46 |
| GW-3C | 1979 | 37.30 | 37.26 | 0.04 | 2.80 | 2.60 |
| GW-3D | 1979 | 13.65 | 12.81 | -0.84 | 3.65 | 2.92 |
| GW-6R | 2/4/92 | 20.00 | 20.38 | +0.38 | 2.00 | 2.38 |
| GW-7R | 7/11/85 | 23.00 | 22.37 | -0.63 | 3.00 | 2.58 |
| GW-8R | 7/16/85 | 39.00 | 38.23 | -0.77 | 3.00 | 2.54 |
| 6M-9 | 1979 | 40.00 | 40.49 | +0.49 | 3.50 | 2.45 |
| GW-10 | NA | ΥN | 23.45 | NA VA | 2.50 | 4.13 |
| GW-11A | 1980 | 19.20 | 20.51 | +1.31 | 1.20 | 1.92 |
| GW-12A | 1980 | 18.00 | 19.71 | +1.71 | 1.00 | 2.75 |
| GW-14A | 1980 | 18.00 | 19.88 | +0.88 | 1.00 | 2.17 |
| GW-15 | 1980 | 22.20 | 22.43 | +0.23 | 1.20 | 3.07 |
| GW-16 | 1980 | NA | 20.80 | NA | NA | 3.40 |
| GW-17 | 1980 | NA | 33.63 | NA | NA | 3.00 |
| GW-18R | 4/30/90 | 20.35 | 20.30 | -0.05 | 2.10 | 2.25 |
| SGW-26 | 12/4/84 | 28.00 | 27.57 | -0.43 | 3.00 | 2.48 |
| SGW-27A | 12/5/84 | 22.40 | 22.39 | -0.01 | 2.40 | 2.71 |
| SGW-27B | 12/5/84 | 38.40 | 38.21 | -0.19 | 3.00 | 2.92 |
| SGW-28R | 4/30/90 | 25.00 | 23.56 | -1.44 | 3.00 | 2.95 |
| SGW-29 | 12/7/84 | 23.00 | 22.44 | -0.56 | 3.00 | 2.50 |

^{*} Original completion depth and measured depth includes stick-up measurement.

^{**} Measured on August 17-19, 1993, during the monitoring well integrity survey.

⁽¹⁾ Depth in feet below top of measuring point (top of well casing). NA - Information not available.

Table 1. Summary and Comparison of Original vs. Current Measurements of Total Depth and Stick-Up for Existing Monitoring Wells, Volney Landfill, Volney, New York.

| Well Number | | Original | | | Original | Measured |
|-------------|-------------------|--------------------------|-------------------------|----------------------|-------------------|----------------------|
| | Date Installed | Completion Depth* (1) | Measured Depth** (1) | Difference (feet) | Stick-Up (fæt) | Stick-Up (feet)** |
| 8GW.304 | N8/L/C1 | 20 00 | 92 26 | +0.20 | 389 | 7 0 |
| SGW-30R | 12/7/84 | 37.00 | 36.93 | -0.07 | 3.00 | 2.85 |
| SGW-33 | 7/17/85 | 18.00 | 17.78 | -0.22 | 3.00 | 4.00 |
| SGW-34 | 7/11/85 | 23.30 | 22.73 | -0.57 | 3.00 | 2.67 |
| VBW-1 | 1/18 - 1/19/86 | 28.80 | Destroyed | NA | 2.30 | Destroyed |
| VBW-2 | 1/21/86 | 11.50 | 10.21 | -1.29 | 2.50 | 2.48 |
| VBW-3S | 1/21/86 | 19.00 | 19.40 | +0.40 | 2.50 | 3.00 |
| VBW-3I | 1/20/86 | 28.50 | 30.30 | +1.80 | 2.50 | 2.79 |
| VBW-3D | 1/18/86 | 48.50 | 48.30 | -0.20 | 2.50 | 2.29 |
| VBW-3BR | 1/23 - 2/8/86 | 94.50 | 89.18 | -5.32 | 2.30 | 3.29 |
| VBW-4S | 1/16/86 | 14.40 | 14.20 | -0.20 | 2.40 | 2.39 |
| VBW-4D | 1/16/86 | 25.00 | 25.23 | +0.53 | 2.00 | 2.20 |
| VBW-5 | 1/17/86 | 14.00 | 16.24 | +2.24 | 3.00 | 2.08 |
| VBW-6 | 2/6/86 | 19.00 | 18.04 | -0.96 | 3.00 | 2.67 |
| VBW-7S | 1/19 - 1/20/86 | 17.80 | 17.33 | -0.47 | 2.80 | 3.15 |
| VBW-7D | 1/22/86 | 31.80 | 31.36 | 0.44 | 2.80 | 2.52 |
| VBW-8S | 1/17/86 | 20.00 | 20.07 | +0.07 | 2.00 | 1.71 |
| VBW-8D | 1/16 - 1/17/86 | 37.00 | 37.47 | +0.47 | 2.00 | 1.50 |
| VBW-8BR | 1/20 - 2/6/86 | 58.50 | 53.79 | 4.71 | 2.00 | 1.50 |
| VBW-9S | 1/10/86 | 20.10 | 20.38 | +0.28 | 2.10 | 2.99 |

^{*} Original completion depth and measured depth includes stick-up measurement.

^{**} Measured on August 17-19, 1993, during the monitoring well integrity survey.

⁽¹⁾ Depth in feet below top of measuring point (top of well casing). NA - Information not available.

Table 1. Summary and Comparison of Original vs. Current Measurements of Total Depth and Stick-Up for Existing Monitoring Wells, Volney Landfill, Volney, New York.

| Well Number | Date Installed | Original Completion Depth* (1) | Measured Depth** (1) | Difference (fæt) | Original Stick-Up (feet) | Measured Stick-Up (feet)** |
|-------------|-------------------|--------------------------------------|-------------------------|---------------------|--------------------------------|----------------------------------|
| VBW-9D | 98/01/1 | 27.60 | 27.23 | -0.37 | 2.60 | 2.21 |
| VBW-10S | 1/15/86 | 18.50 | 18.97 | +0.47 | 2.00 | 3.17 |
| VBW-10D | 1/31/86 | 59.50 | 57.30 | -2.20 | 2.50 | 2.42 |
| VBW-10BR | 1/29 - 2/8/86 | 103.80 | 101.00 | -2.80 | 1.80 | 2.75 |
| VBW-11 | 1/22/86 | 25.00 | 25.44 | +0.44 | 2.00 | 2.30 |
| VBW-12 | 1/18/86 | 17.10 | 24.20 | +7.10 | 3.10 | 2.38 |
| VBW-13 | 1/22/86 | 11.30 | 12.22 | +0.92 | 2.30 | 2.20 |
| VBW-14 | 1/22/86 | 15.00 | 16.23 | +1.23 | 2.00 | 2.50 |
| VBW-15 | 1/17/86 | 17.00 | 17.20 | +0.20 | 3.00 | 2.60 |
| VBW-17 | 1/17 - 1/18/86 | 18.30 | 17.80 | -0.50 | 2.00 | 1.92 |
| VBW-17A | 1/18/86 | 17.10 | 16.95 | -0.15 | 2.00 | 2.37 |
| | | | | | | |

^{*} Original completion depth and measured depth includes stick-up measurement.

^{**} Measured on August 17-19, 1993, during the monitoring well integrity survey.

⁽¹⁾ Depth in feet below top of measuring point (top of well casing). NA - Information not available.

Table 2. Summary of Monitoring Well Construction Details and Depth to Water Measurements for Existing Monitoring Wells, Volney Landfill, Volney, New York.

| Well Number | Screen Length (feet) | Screened (Intake) Interval (1) | Sand Packed Interval (1) | Bentonite Seal Thickness (feet) | Depth to Water (2) |
|----------------|----------------------------|--------------------------------------|--------------------------------|---------------------------------------|--------------------------|
| GW-2 | 2.5 | 11.5 - 14 | NA | NA | Dry |
| GW-3C | 1.5 | 33 - 34.5 | NA | NA | 11 .64 |
| GW-3D | 2 | 8 - 10 | NA | NA | 10.90 |
| GW-6R | 10 | 8 - 18 | 6 - 18 | 2 | 9.08 |
| GW-7R | 5 | 5 - 20 | 3 - 20 | 2 3 | 15.78 |
| GW-8R | 10 | 26 - 36 | 24 - 36 | 2 | 36.71 |
| GW-9 | 2.5 | 34 - 36.5 | NA | NA | 27.29 |
| GW-10 | NA | NA | NA | NA | 16.73 |
| GW-11A | 4 | 14 - 18 | NA | NA | 12.40 |
| GW-12A | 4 | 13 - 17 | NA | NA | 10.07 |
| GW-14A | 2 | 15 - 17 | NA | NA | 14.30 |
| GW-15 | 4 | 17 - 21 | NA | NA | 13.08 |
| GW-16 | 2 4 2 2 | 16 - 18 | NA | NA | 16.21 |
| GW-17 | 2 | 29 - 31 | NA | NA | 19.11 |
| GW-18R | 10 | 8.25 - 18.25 | 5.25 - 18.25 | 2.3 | 17.97 |
| SGW-26 | 20 | 5 - 25 | 2 - 25 | 2 | 8.47 |
| SGW-27A | 15 | 5 - 20 | 3 - 20 | 1 | 8.51 |
| SGW-27B | 15 | 20.4 - 35.4 | 18 - 37 | 1 2 2 3 | 8.60 |
| SGW-28R | 15 | 7 - 22 | 5 - 22 | 2 | 9.83 |
| SGW-29 | 15 | 5 - 20 | 3 - 20 | 3 | 6.67 |
| SGW-30A | 15 | 4 - 19 | 2 - 20 | 1.1 | 9.10 |
| SGW-30B | 20 | 14 - 34 | 12 - 34 | 12 | 9.06 |
| SGW-33 | 10 | 5 - 15 | 3 - 15 | 2 | 9.76 |
| SGW-34 | 15 | 5 - 20 | 3 - 20 | 2 2 | 10.37 |
| VBW-2 | 5.5 | 3.5 - 9 | 2 - 10 | 1 | 6.11 |
| VBW-3S | 10.8 | 5.7 - 16.5 | 4.0 - 18 | $\overline{2}$ | 9.18 |
| VBW-3I | 10 | 16 - 26 | 14 - 27 | 5 | 9.44 |
| VBW-3D | 5 | 41 - 46 | 39 - 47 | 4 | 9.24 |
| VBW-3BR | * | | | | 9.93 |
| VBW-4S | 5 | 7 - 12 | 5 - 13 | 2 | Dry |
| VBW-4D | 5 5 5 | 18 - 23 | 16 - 25.5 | 2 7 | 16.Ó8 |
| VBW-5 | | 6 - 11 | 4 - 15 | 1 | 9.49 |
| VBW-6 | 10 | 6 - 16 | 5 - 18 | 2 2 | 5.92 |
| VBW-7S | 10.5 | 4.5 - 15 | 4 - 16 | 2 | 7.33 |

Well completed as open hole in bedrock; screen not present.(1) Measurements in feet below land surface.

 ⁽²⁾ Measurements in feet below top of measuring point (top of well casing); measurements collected from August 17-19, 1993 during monitoring well integrity survey.
 NA - Information not available.

Table 2. Summary of Monitoring Well Construction Details and Depth to Water Measurements for Existing Monitoring Wells, Volney Landfill, Volney, New York.

| Well Number | Screen Length (feet) | Screened (Intake) Interval (1) | Sand Packed Interval (1) | Bentonite Seal Thickness (feet) | Depth to Water (2) |
|-------------------|----------------------------|--------------------------------------|--------------------------------|---------------------------------------|--------------------------|
| VBW-7D | 10.5 | 18.5 - 29 | 18 - 30 | 5_ | 6.34 |
| VBW-8S | 10.5 | 7.5 - 18 | 5.5 - 19 | 2.5 | 12.50 |
| VBW-8D | 10.5 | 24.5 - 35 | 23 - 36 | 5 | 12.82 |
| VBW-8BR VBW-9S | 10 | 8 - 18 | 6 - 19 | 3 | 12.79 |
| V D W - 73 | 10 | 0 - 10 | 0 - 19 | 3 | Dry |
| VBW-9D | 5 | 20 - 25 | 18 - 26 | 3 | Dry |
| VBW-10S | 10.5 | 6 - 16.5 | 5 - 17 | 3 3 | Dry |
| VBW-10D | 5 | 52 - 57 | 48.5 - 60 | 9.3 | Dry |
| VBW-10BR | * | | | | 32.45 |
| VBW-11 | 12 | 11 - 23 | 11 - 25 | 7 | Dry |
| VBW-12 | 10.1 | 3.9 - 14 | 3 - 14 | 1.5 | 8.58 |
| VBW-13 | 5.7 | 3.3 - 9 | 3 - 10 | 2 | 8.35 |
| VBW-14 | 10.5 | 2.5 - 13 | 2.0 - 13.5 | ĩ | 8.58 |
| VBW-15 | 10.5 | 3.5 - 14 | 2.5 - 14 | 1.5 | 10.42 |
| VBW-17 | 5 | 11.3 - 16.3 | 10 - 16.3 | 3.5 | 11.37 |
| VBW-17A | 10.1 | 5 - 15.1 | 4 - 15.1 | 2 | 5.47 |

(1) Measurements in feet below land surface.

Well completed as open hole in bedrock; screen not present.

 ⁽²⁾ Measurements in feet below top of measuring point (top of well casing); measurements collected from August 17-19, 1993 during monitoring well integrity survey.
 NA - Information not available.

Table 3. Summary of Existing Monitoring Well Testing Program, Supplemental Pre-Remedial Design Studies, Volney Landfill, Volney, New York.

| | Water-Level | Slug | Groundwater |
|-------------|-------------|-----------|-------------|
| Well Number | Measurement | Test | Sample |
| GW-2 | Dry | Dry | Dry |
| GW-3C | X | | |
| GW-3D | x | | |
| GW-6R | x | x | x |
| GW-7R | x | x | x |
| GW-8R | x | | |
| GW-9 | x | | |
| GW-10 | у | | |
| GW-11A | у | | |
| GW-12A | у | | |
| GW-14A | y | | |
| GW-15 | X | | |
| GW-16 | y | | |
| GW-17 | y | | |
| GW-18R | у | | |
| SGW-26 | | | |
| SGW-27A | x | | |
| SGW-27B | x | | |
| SGW-28R | x | | |
| SGW-29 | x | | |
| SGW-30A | x | x | |
| SGW-30B | x | x | |
| SGW-33 | y | | |
| SGW-34 | y | | |
| VBW-1 | Destroyed | Destroyed | Destroyed |

x - Performance of this measurement or testing is specified in the SPRDS work plan.

y - Measurement scheduled to be collected although not specified in SPRDS work plan to supplement water-level elevation data base.

Table 3. Summary of Existing Monitoring Well Testing Program, Supplemental Pre-Remedial Design Studies, Volney Landfill, Volney, New York.

| Well Number | Water-Level Measurement | Slug Test | Groundwater Sample |
|-------------|----------------------------|--------------|-----------------------|
| VBW-2 | у | | |
| VBW-3S | x | | |
| VBW-3I | x | | |
| VBW-3D | x | | |
| VBW-3BR | x | | x |
| VBW-4S | Dry | Dry | Dry |
| VBW-4D | X | x | |
| VBW-5 | X | x | |
| VBW-6 | X | | |
| VBW-7S | x | x | x |
| VBW-7D | x | x | x |
| VBW-8S | x | x | x |
| VBW-8D | x | x | x |
| VBW-8BR | x | x | x |
| VBW-9S | Dry | Dry | Dry |
| VBW-9D | Dry | Dry | Dry |
| VBW-10S | Dry | Dry | Dry |
| VBW-10D | x | x | x |
| VBW-10BR | y | | |
| VBW-11 | Dry | Dry | Dry |
| VBW-12 | y | | |
| VBW-13 | y | | |
| VBW-14 | x | | x |
| VBW-15 | x | | |
| VBW-17 | y | | |
| VBW-17A | y | | |

x - Performance of this measurement or testing is specified in the SPRDS work plan.

y - Measurement scheduled to be collected although not specified in SPRDS work plan to supplement water-level elevation data base.

APPENDIX A
WELL INSPECTION FORMS

GERAGHTY & MILLER, INC.

WELL INSPECTION FORM

Page 1

SITE: Volney Landfill, Oswego, New York

INSPECTED BY: A. LaBarge / M. Wood

DATE: 8/17 - 8/19/93

PROJECT NO.: AY0060002

| | ' | | | | | | | WELL N | -WELL NUMBER- | | | | | |
|--|-----|------------|------------|----------|----------|--------------|------|-------------|---------------|--------------|-------------|-------------|-------------------|-------------|
| | | | | i i | | į | į | Š | į | | | ino | | |
| | • | <u>ځ</u> ر | ج ر ع ج | § 6 | ≱ α | χ α <u>κ</u> | × α× | } ∘ | <u>}</u> ⊆ | § 5 = | 2 C | ¥ 6 ₹ 5 | <u>}</u> <u>'</u> | <u> </u> |
| | | 1 | } | 3 | <u> </u> | { | 5 | ` | 2 | | UZI | | } | 2 |
| Is well location | | | | l | | | | | | | | | | |
| correct on map? | Y/N | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Is well located | | | | | | | | | | | | | | |
| in a dry area? | Y/N | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Is well readily | | | | | | | | | | | | | | |
| accessible? | Y/N | ~ | Υ | Υ | Υ | Υ | Υ | Υ | Υ | Y | Y | Y | Y | Υ |
| Is well identified and | | | | | | | | | | | | - | | |
| protected with posts? | χχ | Υ | Υ | Υ | z | Υ | λ | > | > | Y | z | X | Υ | Z |
| Is well labeled | | | | | | | | | | | | | | |
| inside/outside? | X/X | OUT | OUT | OUT | z | OUT | OUT | OUT | OUT | OUT | OUT | OUT | OUT | OUT |
| Is purging/sampling equipment in sood condition? | X | NONE | > | > | > | > | > | > | > | > | > | > | > | > |
| Is well casing free | | | | | | | | | | | | | | ı |
| of kinks and/or bends? | Y/N | > | Y | Y | Y | Υ | Y | z | > | z | > | > | > | z |
| Is protective casing | | | | | | | | | | | | | | |
| secure in the ground? | Y/N | Υ | ¥ | \ | Υ | Υ | ٨ | Y | NONE | Z | Y | Y | Y | Y |
| Is well area free of | | | | | | | | | | | | | | |
| vegetation/overgrowth? | Y/N | Z | Y | Y | Y | Y | Y | Y | Y | Y | Y | z | Y | > |
| Is there a functioning | | | | | | | | | | | | | | |
| locking cap? | Y/N | Y | Y | Y | Y | Y | Y | Y | ¥ | z | Y | Υ | Z | > |
| Is there a push/ | | | | | | | | | | | | | | |
| screw on well cap? | Y/N | N | Y | Y | Y | Z | Z | Z | Z | > | > | > | \ | \ |
| Is well | | | | | | | | | | | | | | |
| cap vented? | Y/N | - | Z | Z | z | ŀ | 1 | ŀ | 1 | z | z | z | z | 1 |
| Is there a weep hole | | | | | | | | | | | | | | |
| in protective casing? | Ϋ́N | z | z | z | z | z | z | z | z | z | z | z | z | z |

Y - Yes

oN - N

AY0060002 wif#1.xls

GERAGHTY & MILLER, INC.

WELL INSPECTION FORM

Page 2

SITE: Volney Landfill, Oswego, New York

INSPECTED BY: A. LaBarge / M. Wood

DATE: 8/17 - 8/19/93

PROJECT NO.: AY0060002

| | VBW | 7 | ¥ | \ | X | Y | OUT | ı | Y | Y | Y | ¥ | * | z | Z |
|---------------|-----|-------------|----------------------------------|-----------------------------------|-----------------------------|--|---------------------------------|--|--|--|---|-------------------------------------|--|---------------------|--|
| | SGW | 34 | Y | Y | Y | * | TUO | + | + | > | z | ¥ | X | z | z |
| | SGW | 33 | + | \ | Υ | z | TUO | Y | > | > | z | > | z | z | z |
| | SGW | 30B | Y | Y | Y | z | TUO | \ | > | > | > | * | z | z | z |
| | SGW | 30 A | Y | \ | Y | z | OUT | Υ | > | > | * | * | z | z | z |
| IUMBER | SGW | 29 | Y | \ | * | z | TUO | Y | + | > | ~ | ~ | z | z | z |
| -WELL NUMBER- | SGW | 28 | \ | > | > | z | TUO | > | \ | ¥ | z | > | > | z | z |
| | MDS | 27B | Å | Y | z | ¥ | OUT | \ | > | z | z | > | ¥ | z | z |
| | SGW | 27 A | Y | * | z | \ | OUT | > | ¥ | \ | z | > | > | z | z |
| | MDS | 26 | Å | Y | Y | Υ | OUT | \ | Υ | Υ | \ | > | z | z | z |
| | MΩ | 18R | Å | \ | + | z | OUT | ٠ | Υ | Υ | z | > | z | z | z |
| | ΜĐ | 17 | Å | Å | Y | z | OUT | Y | Y | Υ | Υ | > | z | z | z |
| | | | Y/N | Y/N | Y/N | Y/N | Y/N | Υ'N | N/X | N/X | N/A | N/A | N/A | N/Y | Y/N |
| | | | Is well location correct on map? | Is well located in a dry area? | Is well readily accessible? | Is well identified and protected with posts? | Is well labeled inside/outside? | Is purging/sampling equipment in good condition? | Is well casing free of kinks and/or bends? | Is protective casing secure in the ground? | Is well area free of vegetation/overgrowth? | Is there a functioning locking cap? | Is there a push/ screw on well cap? | Is well cap vented? | Is there a weep hole in protective casing? |

Y - Yes

N - No AY0060002 wif#2.xls

WELL INSPECTION FORM

Page 3

SITE: Volney Landfill, Oswego, New York

INSPECTED BY: A. LaBarge / M. Wood

DATE: 8/17 - 8/19/93

PROJECT NO.: AY0060002

--WELL NUMBER-

| Severil location Vibrary Vibra | | _ | | | | | | | | | | | | |
|--|---|-----|-----|----------|-------------|------|----------|-------------|-------------|------|----------|----------|----------|----------|
| YNN Y | | | | | | | | | | | | | | |
| 35 31 3D 3BR 45 4D 5 6 75 7D 8S VN | | | VBW | VBW | VBW | VBW | VBW | VBW | VBW | VBW | VBW | VBW | VBW | VBW |
| YN Y X Y X | | | 38 | 31 | 3D | 3BR | 48 | 40 | 5 | 9 | 7S | Œ | 88 | 8D |
| YM Y X Y X Y X X X X X X X X X X X X X | Is well location | | | | | | | | | | | | | |
| Y/N Y X Y X Y X X X X X X X X X X | correct on map? | Y/N | | Y | Y | Y | Υ | > | ۲ | Υ | Y | Y | Y | ۲ |
| Y/N Y X Y X Y X | Is well located | | | | | | | | | | | | | |
| Y/N N N Y X Y X Y X Y X | in a dry area? | Y/N | | γ | Υ | Υ | Υ | ٨ | > | Y | Y | Y | Y | Y |
| Y/N N Y X Y X Y X | Is well readily | | | | | | | | | | | | | |
| Y/N N N Y N N Y N N Y N N Y Y N N Y Y N | accessible? | Y/N | | Υ | \ | ٨ | ٨ | \ | Y | Y | Y | Y | λ | X |
| Y/N N N Y N N Y N N Y Y N N Y Y N | Is well identified and | | | | | | | | | | | | , | |
| Y/N OUT OUT <td>protected with posts?</td> <td>Y/N</td> <td></td> <td>z</td> <td>Z</td> <td>Z</td> <td>Υ</td> <td>Y</td> <td>z</td> <td>Z</td> <td>X</td> <td>X</td> <td>z</td> <td>z</td> | protected with posts? | Y/N | | z | Z | Z | Υ | Y | z | Z | X | X | z | z |
| Y/N OUT OUT <td>Is well labeled</td> <td></td> | Is well labeled | | | | | | | | | | | | | |
| Y/N NONE | inside/outside? | Y/N | | OUT | OUT | OUT | OUT | OUT | OUT | OUT | OUT | OUT | OUT | OUT |
| *** * | Is purging/sampling equip- ment in good condition? | XX | | NONE | NONE | NONE | ! | NONE | NONE | NONE | NONE | NONE | NONE | NONE |
| ** ** <td< td=""><td>Is well casing frae</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | Is well casing frae | | | | | | | | | | | | | |
| X | of kinks and/or bends? | X/N | | \ | > | Y | \ | * | \ | Y | Y | ¥ | \ | ¥ |
| X | Is protective casing | | | | | | | | | | | | | |
| X | secure in the ground? | Y/N | | Z | Z | Υ | Y | Υ | Υ | Z | Z | Y | Υ | Y |
| Z X | Is well area free of | | | | | | | | | | | | | |
| X | vegetation/overgrowth? | Y/N | | Z | Z | z | Z | z | Z | Z | Y | Y | Z | z |
| X/N X | Is there a functioning | | | | | | | | | | | | | |
| X | locking cap? | Y/N | | γ | Y | Y | Υ | > | ¥ | Y | Y | Y | ٨ | ۲ |
| X | Is there a push/ | | | | | | | | | | | | | |
| | screw on well cap? | Y/N | | Y | Υ | Y | Y | z | Y | Y | Y | Z | Υ | Y |
| | Is well | | | | | | | | | | | | | |
| X X X X X X X X X X X X X X X X X X X | cap vented? | Y/N | z | Z | Z | Z | Z | z | Z | Z | Z | : | Z | z |
| N N N N N N N N N N N N N N N N N N N | Is there a weep hole | | | | | | | | | | | | | |
| | in protective casing? | Y/N | | z | Z | Z | Z | Z | Z | Z | Y | N | Z | Z |

Y - Yes

N - No

AY0060002 wif#3.xls

WELL INSPECTION FORM

SITE: Volney Landfill, Oswego, New York

INSPECTED BY: A. LaBarge / M. Wood

Page 4

DATE: 8/17 - 8/19/93

PROJECT NO.: AY0060002

| | VBW | 17A | > | > | > | z | OUT | NONE | 7 | z | z | > | Y | z | z |
|-------------|-----|------|----------------------------------|-----------------------------------|-----------------------------|--|---------------------------------|--|--|--|---|-------------------------------------|--|------------------------|--|
| | VBW | 17 | Y | > | Υ | z | OUT | NONE | \ | z | z | * | Y | z | z |
| | VBW | 15 | X | \ | > | z | OUT | NONE | > | Y | > | > | Y | z | z |
| | VBW | 4 | ¥ | > | \ | Y | z | NONE | \ | ¥ | > | \ | Y | z | z |
| | VBW | 13 | > | > | > | z | OUT | NONE | > | \ | > | > | Y | z | z |
| BER | VBW | 12 | ¥ | , | > | z | OUT | NONE | Y | 7 | > | > | > | z | z |
| WELL NUMBER | VBW | = | > | >- | > | z | TUO | > | > | > | > | > | > | z | z |
| WEL | VBW | 10BR | 7 | >- | 7 | z | z | > | > | > | z | >- | > | z | z |
| | VBW | 10D | > | >- | > | z | OUT | NONE | >- | > | z | > | > | z | z |
| | VBW | 108 | > | >- | > | z | z | NONE | > | > | z | > | > | z | z |
| | VBW | О6 | > | >- | > | z | z | NONE | > | > | z | > | * | z | z |
| | VBW | S6 | > | >- | >- | z | z | NONE | > | > | z | > | z | z | z |
| | VBW | 8BR | ¥ | > | > | z | OUT | NONE | \ | \ | z | > | > | z | z |
| • | | | Y/N | Ϋ́N | X/X | N/Y | Ϋ́N | X/X | Y/N | Y/N | X/X | X/X | Y/N | Y/N | X/N |
| | | | Is well location correct on map? | Is well located in a dry area? | Is well readily accessible? | Is well identified and protected with posts? | Is well labeled inside/outside? | Is purging/sampling equipment in good condition? | Is well casing free of kinks and/or bends? | Is protective casing secure in the ground? | Is well area free of vegetation/overgrowth? | Is there a functioning locking cap? | Is there a push/ screw on well cap? | Is well cap vented? | Is there a weep hole in protective casing? |

Y - Yes N - No AY0060002 wif#4.xis

APPENDIX B MONITORING WELL INTEGRITY FIELD SURVEY FORMS



MEASURING POINT
Marked? Describe: marker on

Shake well on two different axes.

Comments: ______Secure

Topography - In or near a low point or ditch? μ - Ponded water around well? μ

LOOSE CASING

AREA

| PERFORMED BY | B. La Brage / | m. wood |
|--------------|---------------|---------|
| DATE | Acquist 19 | 1913 |

| MONITORING WELL | INTEGRITY FIELD | SURVEY |
|---|-----------------|------------------------|
| SITE , Volney Londfill WELL LOCATION OSWEGO CO | ra scholor | |
| LOCATION MARKED ADEQUATELY Map location accurate? 'Y Adequately flagged in hard to find areas? | no fo Cossing | In 29,5 |
| PROPERLY LABELED FOR QUICK IDENTIFICATION Outside Inside | | |
| PROTECTION OF THE WELL Posts: How many? Type | | Well casing, |
| PROTECTIVE CASING Above ground or flush with surface? (circle on Concrete cap? Protective casing height (above, below) ground | 29,5 | pepth to Water bry no |
| LOCKING CAP Locked to prevent unauthorized entry? Large gaps? N Fliptop cap? Rust: Y Screw cap? N Lock cut? Y Lock replaced? Y | | |
| SURFACE SEAL Differential erosion around and under base? Cracks? Slope to prevent ponding in immediate area? Broken? N | ı | |
| PVC CAP Screwed on? Improved - How? None | | |

sted case

Measuring Point is Top of Well Casing Unless Otherwise Noted.

Depth to Rottom

15.20 h.

*Depth Below Measuring Poi:



| PERFORMED BY | A. La | Bara | e/M. | aunt |
|--------------|-------|------|------|------|
| DATE | Aug | 18 | 1993 | |

MONITORING WELL INTEGRITY FIELD SURVEY

| ** | SITE · Volney Lond Fill |
|---------------------|--|
| -# | SITE Volney Lond Fill WELL GW-3C LOCATION OSLEGO CO |
| - Mai | LOCATION MARKED ADEQUATELY Map location accurate? Yes Adequately flagged in hard to find areas? Yes |
| - | PROPERLY LABELED FOR QUICK IDENTIFICATION Outside Inside |
| ** | PROTECTION OF THE WELL Posts: How many? Typemetal Visibility: Panted Flagged |
| ** | |
| -9 10 | PROTECTIVE CASING Above ground or flush with surface? (circle one) Concrete cap? χ_{cs} Protective casing height (above below) ground 31.2 inches |
| ** | Locked to prevent unauthorized entry? Yes |
| en e | Large gaps? No Fliptop cap? Yes Rust: No Screw cap? Yes Lock cut? No Lock replaced? No |
| - 14 | SURFACE SEAL Differential erosion around and under base? No Cracks? No Slope to prevent ponding in immediate area? Yes |
| (2) ∨ | Broken? No |
| **** | PVC CAP Screwed on? Yes Improved - How? Cut? |
| 9 28 | MEASURING POINT Marked? Describe: Marker / Top of PVC |
| ** | LOOSE CASING Shake well on two different axes. Comments: Secure |
| 1965 | AREA Topography - In or near a low point or ditch? No - Ponded water around well? No |

Tin 31.2 Well casing. Inch diameter, aepth to Water 11.64 no Orange color water Depth to Rottom 37.26 n.

> Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Poir



| PERFORMED BY | A. LaBerge (M. Wood |
|--------------|---------------------|
| DATE | Ag 18 1993 |

MONITORING WELL INTEGRITY FIELD SURVEY

| | SITE , Volney Londfill | |
|----------|--|--|
| | WELL GW-3D | |
| | LOCATION OSWEGO CO. | |
| • | | ~ ~ |
| | | $\prod r_{1n} 35$ |
| | LOCATION MARKED ADEQUATELY | LAND SURFACE |
| • | Map location accurate? | |
| | Adequately flagged in hard to find areas? Yes | ИИ |
| | Mondosterk usables in usin to une sesser (5) | וא ואו |
| | PROPERLY LABELED FOR QUICK IDENTIFICATION | rara |
| | | Y |
| | Outside Inside | YJ KI |
| | DRATECTION OF THE WELL | Well casing, |
| *** | Posts: How many? Type netal Road marker | inch diameter, |
| | Posts: How many? Type | [/] [/] |
| | Visibility: Punted | 7 <i>A</i> |
| * | Flagged | YJ 1•4 |
| | | $\mathbf{Y}_{\mathbf{I}}\mathbf{Y}_{\mathbf{I}}$ |
| | PROTECTIVE CASING | aepth to Water |
| | Above ground or flush with surface? (circle one) | 1/0,9 10 |
| 100 | Concrete cap? Yes | 10,7 n. |
| | Protective casing height (above, below) ground 35 inches | |
| | | |
| 486 | LOCKING CAP | |
| | Locked to prevent unauthorized entry? Y⇔ | |
| | Large gaps? No Fliptop cap? 165 Rust? No Screw cap? 165 No | |
| | Rusti No Screw capi Mr No | |
| *** | Lock cut? No Lock replaced? No | |
| | | |
| | SURFACE SEAL | |
| 1997 | Differential erosion around and under base? No | |
| | Cracks? No | |
| | Slope to prevent ponding in immediate area? /es | |
| | Broken? N. | |
| | , | ₩ Ξ ₩ |
| | PVC CAP | |
| | Screwed on? /s | 3 |
| | Improved - How? | |
| | Cut? | Depth to Rottom |
| | | Depth to Rottom |
| -ub | MEASURING POINT | |
| | MEASURING POINT Marked? Describe: Mc-ko- /Top of PVC | /2.8/ h. |
| | | Carried / To / N |
| 40 | LOOSE CASING | c/cc whiter |
| - | Shake well on two different axes. | C/C - 1000 |
| | Comments: Secure | Managadan Batat ta |
| | | Measuring Point is |
| - | AREA | Top of Well Casing |
| | Topography - In or near a low point or ditch? | Unless Otherwise Noted. |
| | - Ponded water around well? | Death Dalameters |
| .00 | - 1 Allana mater and mater | *Depth Below Measuring Poir |
| | | |



PERFORMED BY A. Laborge / M. Wood

| ≪ | MONITORING WELL INTEGRITY | FIELD SURVEY |
|----------|---|---------------|
| | SITE Volney Londfill WELL GW-GR | |
| *** | LOCATION OSWego Co. | 1 |
| ≪# | LOCATION MARKED ADEQUATELY Map location accurate? Adequately flagged in hard to find areas? | |
| 1988 | PROPERLY LABELED FOR QUICK IDENTIFICATION Outside No Inside Yes | |
| 189 | PROTECTION OF THE WELL | \mathcal{L} |

PROTECTIVE CASING

Visibility:

Above ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground ____ Inches

LOCKING CAP

Locked to prevent unauthorized entry? Yes Large gaps? 16 Fliptop cap? Yes Rusti de Yes Screw cap? Ruh on Lock cut? No Lock replaced? No

Posts: How many? _____ Type _ Pointed

Flagged

SURFACE SEAL

Differential erosion around and under base? No Slope to prevent ponding in immediate area? 1/25 Broken? No.

PVC CAP

Screwed on? Improved . How? Push on 2" pvc Cut?

MEASURING POINT

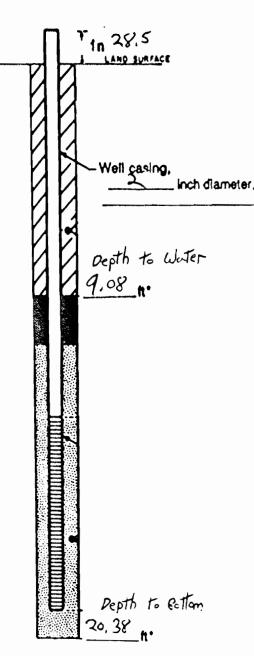
Marked? Describe: Murker / Top of puc

LOOSE CASING

Shake well on two different axes. Comments: Secure

AREA

Topography - In or near a low point or ditch? M - Ponded water around well? No



Soft Bottom

Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Poi



DATE Aug 18 1993

MONITORING WELL INTEGRITY FIELD SURVEY

| - 18 | | |
|-------------|--|-----------------------|
| | SITE Volney Londfill WELL 6W-7R | |
| | SITE Volney Largell | |
| | WELL $6\omega-7R$ | |
| - 100 | LOCATION OSWEGO Co, | |
| | J | ~ ~ . |
| | | l 'tn |
| | LOCATION MARKED ADEQUATELY | 11 .''' |
| - MI | | |
| | Map location accurate? $\frac{1}{2}$ | rara |
| | Adequately flagged in hard to find areas? No | Y I V I |
| | | ИИ |
| **** | PROPERLY LABELED FOR QUICK IDENTIFICATION | [A [A |
| | Cutaida Value la | rari |
| | Outside Inside | VI L1 |
| | | ИDLи |
| *** | PROTECTION OF THE WELL | "- <i>ג</i> ץ גץ |
| | Posts: How many? Type Wood | VI VI |
| | Vieihility: Paned as 048 | ии - |
| | Posts: How many? Type Wood Visibility: Panted or orge | 14 (4 |
| **** | Flagged " " " " " " " " " " " " " " " " " " " | ra l•d |
| | | VI VI |
| | PROTECTIVE CASING | ИИ Ос |
| | Above ground or flush with surface? (circle one) | - 14 KJ |
| *** | Concrete cap? 1/45 | · (1 (1 /5) |
| | Bratastina assiss helpha Chara helprid assured 31 leakes | 72 |
| | Protective casing height (above below) ground 31 inches | |
| | | |
| 40 | LOCKING CAP | |
| | Locked to prevent unauthorized entry? 1/es | 3 3 |
| | Large gane? No Flinton can? Yes | 覆 雞 |
| | Large gaps? M Fliptop cap? Yes Rust? M Screw cap? Mo Lock cut? M Lock replaced? Mo | 篇 篇 |
| - | hustrino Screw capi No | 養 類 |
| | Lock cut? /6 Lock replaced? //o | 靈 爨 |
| | | 潛三藤 |
| | SURFACE SEAL | |
| 100 | Differential erosion around and under base? μ_{ij} | 灐≡巖 |
| | Cracks? Xes Heaved | る ここ |
| | | |
| _ | Slope to prevent ponding in immediate area? you | |
| -1600 | Broken? | 農三巖 |
| | | \$ ≥ \$ |
| | PVC CAP | 麗三節 |
| | | 器三級 |
| 1988 | Improved - How? No Cap | 羅三羅 |
| | improved - now? /** | |
| | Cut? | 三 |
| and . | | |
| | MEASURING POINT | |
| | Manued? Describe: Marker / Top of PVC | 22 |
| | | Chinani, |
| *** | LOOSE CASING | 4 |
| | | Strong Odo |
| | Shake well on two different axes. | J |
| | Comments: Secure | Mea |
| 1000 | | |
| | AREA | Top |
| | Topography - In or near a low point or ditch? | Uni |
| | Topography - In or hear a low point or ditchr /~ | |
| • | - Ponded water around well? √/₀ | *De |

31" AND SURFACE Vell casing, inch diameter, pth to Water 78 n. Pepth to Bottom 1.37n.

Strong Odo /clar Whiter

Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Po



AREA

Topography - In or near a low point or ditch? 16- Ponded water around well? 16-

PERFORMED BY A. LaBurge M. Wood
DATE Aug 18, 1993

| | MONITORING WELL INTEGRITY FIELD | D SURVEY |
|-----------|--|---|
| 39 | | |
| | SITE Volney Lordfill WELL 6W-8R | |
| | WELL <u>6W-8R</u> | |
| | LOCATION OSWEGO Co. | |
| | • | Tin 30.5" |
| | LOCATION MADUED ADDOLLATELY | 1n 30, 3 |
| | LOCATION MARKED ADEQUATELY | |
| | Map location accurate? 165 Adequately flagged in hard to find areas? 165 | ИИ |
| | Mondostal institute to tillo signal 162 | [4] [4] |
| 466 | PROPERLY LABELED FOR QUICK IDENTIFICATION | 14 YA |
| | Outside Yes Inside No | וא או |
| | 000000 2 55 | 71 KL |
| ** | PROTECTION OF THE WELL | Weff casing, |
| | Posts: How many? / Type Wood Visibility: Pinted orange Flagged | inch diameter. |
| | Visibility: Ponted orange | ИИ |
| * | Flagged | ИЦ |
| | | ий. |
| | PROTECTIVE CASING | oepth to Woter 36.7/n. |
| 49 | Above ground or flush with surface? (circle one) | ИИЗ |
| | Concrete cap? | 2 36.77 h. |
| | Protective casing height (above) below) ground 30 \square Inches | |
| det . | LOCKING CAP | |
| | Locked to prevent unauthorized entry? Yes | |
| | Large gaps? Ab Fliptop cap? | 3 |
| 9 | Rusti Yes Screw capi A6 | |
| | Lock cut? No Lock replaced? No | · 🛔 🎇 |
| | | |
| | SURFACE SEAL | |
| • | Differential erosion around and under base? | 翼≣巖 |
| | Cracks? 600d Condition | |
| | Slope to prevent ponding in immediate area? | |
| | Broken? | 724 - 284 |
| | , | 3000000000000000000000000000000000000 |
| | PYC CAP | |
| 99) | Screwed on? No Corp | |
| | improved - How/ / J | |
| | Cut? | Depth to Rottom |
| | MEASURING POINT | With the state of |
| | MEASURING POINT Manual? Describe: Marko / Top of PVC | 38,23,. |
| | Andreas Describes The second s | |
| 44 | LOOSE CASING | Bailer, clear Water, Strong odor |
| | Shake well on two different axes. | |
| | Carlos | |

Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Po-



| PERFORMED BY | А. | Lal | burg | c/m |), Wood |
|--------------|----|-----|------|------|---------|
| DATE | A | vg | 18 | 1993 | |

| MONITORING WELL INTEGRITY FIELD | SURVEY |
|--|-----------------------------|
| SITE · Volney Londfill | |
| SITE Volney Lond + 11 | |
| WELL <u>6W-9</u> | |
| LOCATION OSWEYO Co. | |
| J | Π Υ '00 // |
| | 1 1n 29.4 |
| LOCATION MARKED ADEQUATELY | LAND SURFACE |
| Map location accurate? 1/65 | ra ra |
| Adequately flagged in hard to find areas? | KI KI |
| | NN |
| PROPERLY LABELED FOR QUICK IDENTIFICATION | ₊ ИИ |
| Outside <u>Ves</u> Inside <u>No</u> | กี ИИ |
| · | Well casing, |
| PROTECTION OF THE WELL | inch diameter. |
| Posts: How many? O Type | |
| Visibility: Pented | |
| . Flagged | V] [•] |
| | ИИ и |
| PROTECTIVE CASING | 1 Depth to Water |
| ground or flush with surface? (circle one) | 27.29 |
| Concrete cap? 29.4 | 7 - 1/4. |
| Protective casing height (above, below) ground 29,4 inches | |
| | |
| LOCKING CAP | 100 Table |
| Locked to prevent unauthorized entry? Yes | |
| Large gaps? No Fliptop cap? Yes Rust: No Screw cap? No | |
| Rust: No Screw cap? No | |
| Lock cut? No Lock replaced? No | |
| Augus 45 45 45 45 45 45 45 45 45 45 45 45 45 | |
| SURFACE SEAL | |
| Differential erosion around and under base? No | 選三鑑 |
| Cracks? No | |
| Slope to prevent ponding in immediate area? 7/25 | ■■ 臓 |
| Broken? Slightly Heaved | 農主義 |
| | 蓋三巖 |
| PVC CAP | |
| Screwed on? | |
| Improved · How? No Cap | |
| Cut? | |
| * MEACHDING POINT | Depth to eatton |
| MEASURING POINT Marker / Top of PUC | 40,49 10. |
| Marked Describe. 1777 | 1-1/1 h. |
| - LOOSE CASING | |
| Shake well on two different axes. | |
| Comments: Secure | Mana I - Talan |
| Administration of the second o | Measuring Point is |
| * AREA | Top of Well Casing |
| Topography - In or near a low point or ditch? Mo | Unless Otherwise Noted. |
| • Ponded water around well? No | I Doorh Balance 4 |
| Total train alound train /to | *Depth Below Measuring Poin |



PERFORMED BY A. LaBurge /M. Wood DATE August 18, 1993

| MONITORING WELL INTEGRITY FIELD S | SURVEY |
|---|----------------------------|
| SITE · Volney Landfill | |
| WELL 6W-/0 | |
| LOCATION OSWEGO. Co. | |
| Doctor Doctor | - 110 00 |
| | T 1n 49.56 |
| LOCATION MADVED ADEQUATELY | LAND SURFACE |
| LOCATION MARKED ADEQUATELY | |
| Map location accurate? Yes | [A [A |
| Adequately flagged in hard to find areas? Yes | ra ra |
| BRODERI V I ARELED FOR OUTON IDENTIFICATION | ra ra |
| PROPERLY LABELED FOR QUICK IDENTIFICATION Outside Inside | Y Y Y I |
| Outside _X Inside | N KI |
| PROTECTION OF THE WELL | Well casing, |
| PROTECTION OF THE WELL Posts: How many? Type Visibility: Panted orage Flagged | Inch diame |
| Posts: How many? Type | ИИ |
| Visibility: Blaced orage | [/ [/ |
| riagged | 7/14 |
| DOCTECTIVE CACINO | N N and the states |
| PROTECTIVE CASING | Depth to Water |
| Above ground or flush with surface? (circle one) | VI VI 16.73 |
| Concrete cap? Protective casing height (above) below) ground 49.56 Inches | n. |
| Protective casing neight (above) below) ground inches | |
| LOCKING CAP | * |
| Locked to prevent unauthorized entry? Y | * * |
| Large gaps? / Fliptop cap? / | 3 |
| Rust: N Screw cap? N | |
| Lock cut? N Lock replaced? N | 養 饕 |
| Lock cotty Lock replaced by | 覆∟斃 |
| SURFACE SEAL | |
| Differential erosion around and under base? N | |
| Cracks? N | <u>#=#</u> |
| Slope to prevent ponding in immediate area? Y | |
| Broken? N | 蓋三臓 |
| | |
| PVC CAP | REC |
| Screwed on? | 3 3 3 3 3 3 3 3 3 3 |
| Improved - How? No Cap | #≣# |
| Cut? | |
| | Depth to Rottom |
| MEASURING POINT | |
| Marked? Describe: Mw Ker | 23.45 |
| | |
| LOOSE CASING | |
| Shake well on two different axes. | |
| Comments: Secure | Measuring Point is |
| ADPA | Top of Well Casing |
| AREA | Unless Otherwise Noted |

In or near a low point or ditch? N Ponded water around well?

Topography -

Unless Otherwise Noted.

*Depth Below Measuring Poi



| PERFORMED BY | A, Laborge /M. | Wood |
|--------------|----------------|------|
| DATE | Acy 18 199. | 3 |

MONITORING WELL INTEGRITY FIELD SURVEY

| | | -Maria and a second |
|--------------|--|---------------------|
| 426 | 1/1 / 10/1 | |
| | SITE Volney Londfill WELL GW-IIA | |
| | WELL GW-1/A | |
| | Well GW-WI | |
| *** | LOCATION OSWEGO CO. | |
| | 9 | |
| | | l ' 1n |
| | LOCATION MARKED ADEQUATELY | 11 1" |
| 48 | | |
| | Map location accurate? Yes | rara |
| | Adequately flagged in hard to find areas? Yes | VI VI |
| | , , , | ии |
| 1996 | PROPERLY LABELED FOR QUICK IDENTIFICATION | TA KA |
| | | Y I V I |
| | Outside <u>Yes</u> Inside <u>No</u> | ИИ |
| | | IA IN. |
| 4 0 0 | PROTECTION OF THE WELL Posts: How many? Type | // // / / |
| | Posts Visus many Time () | ИИ |
| | Posts: How many? 1 Type 2000 | ia ta |
| | Visibility: Pethted arenae | ra va |
| | Flagged | VI 1.3 |
| 49 | ••• | 1/1 (Z) |
| | PROTECTIVE CACING | rara - |
| | PROTECTIVE CASING | VV |
| | Above ground or flush with surface? (circle one) | ИИ /: |
| - 100 | Concrete cap? | - 1a ta ' |
| | Protective casing height (above, below) ground $\frac{23}{2}$ inches | |
| | | |
| | LOOVING OAR | |
| 400 | LOCKING CAP | |
| | Locked to preyent unauthorized entry? A | 羅羅 |
| | Rust: N. Fliptop cap? Not Secure Screw cap? No | 羅 |
| | Rust: A/- Screw can? A/- | 羅 翻 |
| 心器 | | 養 製 |
| | Lock cut? N_o Lock replaced? N_o | |
| | | 瀬田藤 |
| | SURFACE SEAL | 第三器 |
| High | Differential erosion around and under base? | ※三額 |
| | Cracke? | 生物 |
| | Cracks? Slope to prevent ponding in immediate area? Broken? | - 製三製 |
| | Slope to prevent ponding in immediate area? | - 第三號 |
| 懶 | Broken? | |
| | | 日本 |
| | PVC CAP | |
| | | ₩=. |
| High | ©crewed on? | |
| | Improved - How? | - 競三籔 |
| | Cut? | 多三級 |
| | | 麗三難 |
| *** | MEASURING POINT | |
| | Manged? Describe: Menter / Top of PK | 2/ |
| | marted Describe: 77-070 7 700 01 700 | |
| | | |
| 400 | LOOSE CASING | Railer - STare |
| | Shake well on two different axes. | Darid Slow |
| | Comments:Secure | |
| | Continuents. | Me |
| 1688 | | To |
| | AREA | Un |
| | Topography - In or near a low point or ditch? No | 0,, |
| | - Ponded water around well? No | 4.5 |
| ×95 | TOTIOGO TIBLOS BIODITO TIBILI | •0 |
| | • | |

23 LAND SURFACE Well casing, _inch dlameter, epth to Water 2,4_n. Depth to Pottom 0,5/n·

d onge

easuring Point is p of Well Casing less Otherwise Noted.

epth Below Measuring Poir



PERFORMED BY A. Laborge / M. Wood
DATE - Aug 18, 1993

MONITORING WELL INTEGRITY FIELD SURVEY

| 8 | .11 , 10.1 |
|---|--|
| | SITE Volney Londfill WELL GW-12H LOCATION OSCREGO CO. |
| *** | LOCATION OSCREGO Co. |
| Mi | Map location accurate? Yes Adequately flagged in hard to find areas? |
| mi | PROPERLY LABELED FOR QUICK IDENTIFICATION Outside _ Yes Inside 1/0 |
| 38 | PROTECTION OF THE WELL Posts: How many? Type Visibility: Painted |
| 196 | Flagged |
| ar an | PROTECTIVE CASING Above ground or flush with surface? (circle one) Concrete cap? /cs Protective casing height (above, below) ground 33 inches |
| sitt. | LOCKING CAP Locked to prevent unauthorized entry? |
| ia i | Large gaps? No Fliptop cap? Yes Rust: No Screw cap? No Broke Lock cut? No Lock replaced? No |
| ** | SURFACE SEAL Differential erosion around and under base? Cracks? Slope to prevent ponding in immediate area? |
| : | Broken? |
| • | PVC CAP Screwed on? Improved - How? Cut? |
| w | MEASURING POINT Marker / Top of PVC |
| | Shake well on two different axes. Comments: Secure |
| | AREA Topography - In or near a low point or ditch? - Ponded water around well? No |

Tin 33" Well casing, Inch diameter, Depth to Water 10.07 to Depth to Rottom 19.71 h.

> Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Poi



DATE Ag 18. 1993

MONITORING WELL INTEGRITY FIELD SURVEY

| 5 6 | 41 4 15 11 | |
|---------------|---|---|
| | SITE Volney Lord fill WELL GW-14A LOCATION CSWEYD Co. | |
| | SITE ' Volney Lond till | |
| | WELL 6W'-14H | |
| -440 | LOCATION OSWEYO CO. | |
| - | LOCATION | |
| | 9 | $\mathbf{m} \cdot \mathbf{r} \cdot \mathbf{a} \cdot \mathbf{c}$ |
| | | Tin 26 |
| | | 111111111111111111111111111111111111111 |
| 1050 | LOCATION MARKED ADEQUATELY | |
| | Map location accurate? Y | VIVI |
| | Adams to the body of the body | ИИ |
| | Adequately flagged in hard to find areas? | [|
| | · | VI VI |
| - | PROPERLY LABELED FOR QUICK IDENTIFICATION | 14 TA |
| | therener exerces for dolea pentilication | Y |
| | Outside YES Inside Lo | VIIA |
| | | [/ N |
| | PROTECTION OF THE WELL | Well casing, |
| 30 | PROTECTION OF THE WELL / | Inch diameter. |
| | Posts: How many? / Type Wood | |
| | Visibilian Cheed and | VI I/I |
| | PROTECTION OF THE WELL Posts: How many? Type | [1] [1] |
| 48 | Flagged | Y I Sed |
| | | M 17 |
| | PROTECTIVE CACINO | Depth to Water 14.3 no |
| | PROTECTIVE CASING | VI VI DEAT TO WOVER |
| | Apove ground or flush with surface? (circle one) | A A A |
| - | Concrete cap? Ks | Y 1 V 1 /4, 3 m. |
| | Concrete caprices | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| | Protective casing height (above, below) ground $\frac{26}{2}$ inches | |
| | | |
| | LOCKING OAR | |
| -100 | LOCKING CAP | |
| | Locked to prevent unauthorized entry? Yes | |
| | Large gane? // Fligton can? Vos | 深 |
| | Large gaps? No Fliptop cap? Yes | |
| 1980 | Rusti Na Screw capi No | 選 勝 |
| | Lock cut? No Lock replaced? No | |
| | Look oot No | 器 🗸 🕸 |
| | · | |
| | SURFACE SEAL | |
| ri si) | Differential and an extended and and an extended | 羅蓋驗 |
| | | 斯三繼 |
| | Cracks? Good Condition | |
| | Slope to prevent ponding in immediate area? | |
| | | |
| riidi. | Broken? | |
| | | 第三級 |
| | PVC CAP | |
| | | |
| - | Screwed on? | |
| | Improved - How? | |
| | Cut? | |
| | Cott | 3 |
| | | Depth to Bottom |
| * | MEASURING POINT | |
| | MEASURING POINT Marked? Describe: Marker Top of PUC | 19.884. |
| | Marked Describe: 1700 () | 11.88 h. |
| | • | |
| -166 | LOOSE CASING | Who voy clear |
| - | | ~~~ ~~ (Ka- |
| | Shake well on two different axes. | • |
| | Comments: Secure | Managed as Dalet Is |
| | | Measuring Point is |
| -560 | | Top of Well Casing |
| | AREA | Unless Otherwise Noted. |
| | Topography - In or near a low point or ditch? N_2 | Cintra anial mod lacted. |
| | | |
| | - Ponded water around well? No | *Depth Below Measuring Po |
| 4 | /*- | = - F = |



AREA

Topography -

| PERFORMED BY | A. LaBoye / M. 1 | ubood |
|--------------|------------------|-------|
| DATE | August 18, 1993 | |

| | MONITORING WELL INTEGRITY | FIELD SURVEY |
|---|--|---------------------|
| • | SITE · Volney Londfill | |
| | WELL GW-15 | |
| | OCATION OSWEGO CO. | No L∞K |
| _ | | 7 1n 36.84 |
| | | '1n~~'°' |
| ı | OCATION MARKED ADEQUATELY | LAMO SURFACE |
| | Map location accurate? Y | YI YI |
| | Adequately flagged in hard to find areas? γ | KI KI |
| _ | | KI KI |
| ı | PROPERLY LABELED FOR QUICK IDENTIFICATION | ИИ |
| | Outside Inside | ИИ |
| | DOCTECTION OF THE WELL | Well casing, |
| | PROTECTION OF THE WELL Posts: How many? Type \(\omega \infty \omega \ome | inch diameter, |
| | Visibility: Finted orange | ИИ |
| • | PROTECTION OF THE WELL Posts: How many? Type Visibility: | ИИ |
| | 1109900 | [N 13] |
| | PROTECTIVE CASING | Depth to Water |
| , | Above ground or flush with surface? (circle one) | |
| | | 13.08 m. |
| | Protective casing height (above, below) ground 36,89 inches | |
| • | | |
| | LOCKING CAP | |
| | Locked to prevent unauthorized entry? N | 翼 羅 |
| | Large gaps? N Fliptop cap? Y | |
| | Rust: N Screw cap? N | |
| | Lock cut? N Lock replaced? N | ₩ |
| | SURFACE SEAL | |
| | Differential erosion around and under base? N | |
| | Cracks? N | |
| | Slope to prevent ponding in immediate area? | |
| , | Broken? N | |
| | r | |
| | PYC CAP | |
| | Screwed on? | #≣₩ |
| | Improved - How? Cut? | # 三 勝 |
| | Cotr | Peoth to Rotton |
| | MEASURING POINT | |
| | MARRIED Describe: Murker Top of PUC | 22.43 |
| | | Π |
| | LOOSE CASING | |
| | Shake well on two different axes. | |
| | Comments: Secure | Managed on Bull 41. |

In or near a low point or ditch? N Ponded water around well? N Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Poir



AREA

Topography -

| PERFORMED BY | A. Laboye / M. Wood |
|--------------|---------------------|
| DATE | |

| | MONITORING WELL INTEGRITY FIELD S | URVEY |
|---------|---|---------------|
| | 4 | |
| | SITE , Volvey Lond Fill | |
| | WELL GW-16 | |
| | LOCATION OSWEYO CO. | |
| | J | (|
| | | |
| • | LOCATION MARKED ADEQUATELY | —— |
| | Map location accurate? Y | 1/1 |
| | Adequately flagged in hard to find areas? μ | 1/1 |
| | TO THE TOTAL PROPERTY OF THE TOTAL PROPERTY | Y/ |
| | PROPERLY LABELED FOR QUICK IDENTIFICATION | Y / |
| | Outside Inside | Y) |
| | PROTECTION OF THE WELL | Y. |
| | PROTECTION OF THE WELL Posts: How many? Type | \mathcal{L} |
| | Visibility: Painted | \mathcal{L} |
| nii - | Flagged | V |
| | | V |
| | PROTECTIVE CASING | V |
| 100 | prove ground or flush with surface? (circle one) | |
| | | |
| | Protective casing height (above, below) ground inches | |
| mig. | | |
| | LOCKING CAP | |
| | Locked to prevent unauthorized entry? | |
| 7)96 | Large gaps? N Fliptop cap? Y | |
| | Rust? Y Screw cap? N Lock cut? N Lock replaced? N | |
| | Lock cut? N Lock replaced? N | |
| ndit | SURFACE SEAL | |
| | Differential erosion around and under base? N | |
| | Cracks? N | |
| nidk | Slope to prevent ponding in immediate area? | 20 N |
| | Broken? Al | |
| | • | |
| toritis | PYC CAP | į. |
| | Screwed on? None | |
| | Screwed on? Non-e Improved - How? | |
| - 1486 | Cut? | |
| | MEASURING POINT | |
| | Marked? Describe: marko | |
| - Selde | | _ |
| | LOOSE CASING | |
| | Shake well on two different axes. | |
| | Comments: Secre | |

In or near a low point or ditch? M Ponded water around well? M

TIN 40.8 -Well casing, _inch diameter, Depth to Water 16.21 no Depth to Rottom 20,80 A.

> Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Poir



DATE Ay 18, 1993

| | MONITORING WELL INTEGRITY F | IELD CLIBVEY |
|----------------|--|--|
| ж | SITE , Volney Lordfill | ILLD VONVEI |
| * | SITE Volney Lordfill WELL GW-17 LOCATION OSWEGO CO | Π τ _{ια} 36 |
| *** | LOCATION MARKED ADEQUATELY Map location accurate? Yes Adequately flagged in hard to find areas? | Titled LAND SURFACE |
| *** | PROPERLY LABELED FOR QUICK IDENTIFICATION Outside Yes Inside No | Wefl casing, |
| • | PROTECTION OF THE WELL Posts: How many? Type Visibility: Fanted | - Weil castrig, |
| *** | Flagged | |
| · 35 | PROTECTIVE CASING Above ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground 36 inches | pepth to Water |
| ** | Locked to prevent unauthorized entry? | |
| *** | Locked to prevent unauthorized entry? Yes Large gaps? No Fliptop cap? Yes Rust? No Screw cap? No Lock cut? No Lock replaced? No | |
| and . | SURFACE SEAL Differential erosion around and under base? Cracks? Slope to prevent ponding in immediate area? | |
| *** | Broken? | |
| - Marie II | PVC CAP Screwed on? Improved - How? None Cut? | Pepth to Cotton |
| **** | MEASURING POINT Marked? Describe: morker / Top of PK | Depth to Bottom 33.63 n. |
| • | LOOSE CASING Shake well on two different axes. | cleo wter |
| w | AREA | Measuring Point is Top of Well Casing Unless Otherwise N |
| più | Topography - In or near a low point or ditch? - Ponded water around well? | *Depth Below Meas |

Depth to Pottom 3.63 no easuring Point is p of Well Casing Unless Otherwise Noted. *Depth Below Measuring Po

Inch dlameter,



| PERFORMED BY | A. Labor | c/ | <i>M</i> , | Wood |
|--------------|----------|----|------------|------|
| DATE | Ay | 8 | 1993 | |

. 7

MONITORING WELL INTEGRITY FIELD SURVEY

| | MONITORING WELL IN FERD SORVEY | |
|---------|---|-----------------------------|
| - | SITE Volney Loofill WELL GW-18R | |
| | SITE ' Volney Lootill | |
| | WELL GW-18R | |
| | LOCATION OSWEGO G | |
| | - Jacob Control | |
| | П | r _{in 27} |
| | | 1n ~' |
| • | LOCATION MARKED ADEQUATELY | A LAND SURFACE |
| • | Map location accurate? Yes | VI |
| | Adequately flagged in hard to find areas? | И |
| | Coddostalk usaded in usio to und stess) | [<i>i</i>] |
| | 7 | K) |
| | PROPERLY LABELED FOR QUICK IDENTIFICATION | VI |
| | Outside <u>Yes</u> Inside <u>No</u> | 14 |
| | · · · · · · · · · · · · · · · · · · · | 14/48/444/44 |
| ú | PROTECTION OF THE WELL | Well casing, |
| | Posts: How many? O Type | Inch diameter, |
| | | [/ |
| | Visibility: Fented | ra |
| | Flagged | l ∞ d |
| | PI. | VI , |
| | PROTECTIVE CASING | pepth to Water |
| | (ADD) e ground or flush with surface? (circle one) | 7 |
| | Canada and | 17.97n. |
| | Protective casing height (above, below) ground 27 inches | |
| | Protective casing height tabove, below ground mones | |
| | | |
| rite | LOCKING_CAP | 906 200 |
| | Locked to prevent unauthorized entry? Yes | |
| | Large gaps? No Fliptop cap? Yes Rust? No Screw cap? No Lock cut? No Lock replaced? No | ## |
| | Rust: NA Screw cap? 4/2 | |
| | Lock cut? No Lock replaced? No | |
| | Lock Cutrios Lock repisced 702 | <u> </u> |
| | | |
| | SURFACE SEAL | |
| * | Differential erosion around and under base? 🉌 | |
| | Cracks? № Diagram | |
| | Slope to prevent ponding in immediate area? 1/8 | |
| | Prokes? | |
| *** | ρι οκθηί , | |
| | NO AAA | |
| | PVC CAP | E |
| estal . | Screwed on? | |
| | Improved · How? None | |
| | Cut? | |
| | Improved - How? None Cut? | Depth to Rotton |
| enii | | Pepin 10 Kollam |
| | MEASURING POINT Marged? Describe: Morker/Top of PVC | ₹0,30 ,. |
| | whateer Describe: 177 | h. |
| | 10000 04000 | |
| 4 | LOOSE CASING | or Weter |
| | Shake well on two different axes. | • |
| | Comments: Secure | Measuring Point is |
| | | Top of Well Casing |
| 788 | AREA . , , | |
| | Topography - In or near a low point or ditch? | Unless Otherwise Noted. |
| | Pooded water around well? | |
| .gis | - Ponded water around well? //_ | *Depth Below Measuring Poir |
| _ | · | - |
| | | |



| PERFORMED BY | A. Lubrye | M. Wood |
|--------------|-----------|----------|
| DATE | August | 18, 1993 |

| *** | SITE Volvey Low Fill WELL SGW-26 LOCATION | |
|---|---|-------|
| 48 | LOCATION MARKED ADEQUATELY Map location accurate? Adequately flagged in hard to find areas? — | |
| -100 | PROPERLY LABELED FOR QUICK IDENTIFICATION Outside Inside | |
| ::::::::::::::::::::::::::::::::::::::: | PROTECTION OF THE WELL / Type CONCRETE POINT | |
| ·· | Visibility: Fanted Flagged | |
| 10 | PROTECTIVE CASING EDD e ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground 29.16 inches | |
| ## | LOCKING CAP Locked to prevent unauthorized entry? Y | |
| • | Large gaps? ル Fliptop cap? ダ Rust: ル Screw cap? ル Lock cut? N Lock replaced? N | |
| • | SURFACE SEAL Differential erosion around and under base? Yes Cracks? Yes | |
| 496 | Slope to prevent ponding in immediate area? Broken? yes | |
| 66 | PVC CAP Screwed on? Improved - How? None Cut? | |
| · entit | MEASURING POINT Marked? Describe: Market on PVC | |
| • | Shake well on two different axes. Comments: | Clear |
| *## | AREA Topography - In or near a low point or ditch? N | |
| - | - Ponded water around well? | |

-1n 29.76 _inch diameter, cepth to Water 8.47 no Depth to Rettom 27.57 m·

> Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Poir



| PERFORMED BY | A. Labor | 3e / | M, | Wood | |
|--------------|----------|------|-----|-------------------|--|
| DATE | Aug 19 | 7_1 | 993 | A december of the | |

. *

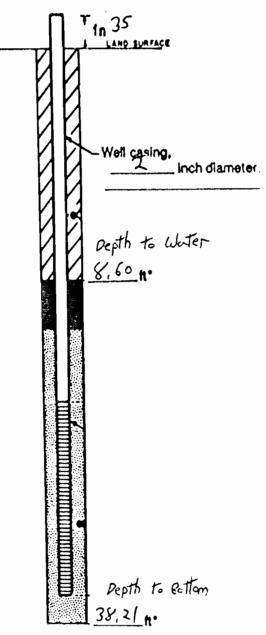
| MONITORING WELL | INTEGRIT | Y FIELD S | URYEY |
|-----------------|----------|-----------|-------|
|-----------------|----------|-----------|-------|

| • | // / // / | |
|------|--|---------------------------|
| | SITE · Volney Lodfill | |
| | WELL SGW-27A | |
| | LOCATION OSWEGO Co. | |
| | | |
| | | 1n 32,5 |
| _ | LOCATION MARKED ADEQUATELY | A LAND SURFACE |
| | Map location accurate? Yes | V V V |
| | Adequately flagged in hard to find areas? Yes | ИИ |
| | / control in the cont | ИИ |
| • | PROPERLY LABELED FOR QUICK IDENTIFICATION | ИИ |
| | Outside /cs Inside 16 | [A [A |
| | at any | M N Wall analysis |
| * | PROTECTION OF THE WELL , | Well casing, |
| | Posts: How many? Type | Inch diameter |
| | Visibility: Ented orage | ИИ ——— |
| _ | Flagged | ИЦ |
| • | | ИВ . |
| | PROTECTIVE CASING | Depth to Woter |
| | (Above ground or flush with surface? (circle one) | |
| | | 8,51 n. |
| | Protective casing height (above, below) ground 32.5 inches | |
| | | |
| • | LOCKING CAP | |
| | Locked to prevent unauthorized entry? Yes | |
| | Large gaps? N. Fliptop cap? YS | 3 |
| _ | Rusti Mo Screw capi No | |
| - | Large gaps? N. Fliptop cap? YS Rust? No Screw cap? No Lock cut? No Lock replaced? No | |
| | | |
| | SURFACE SEAL | |
| SP . | | 羅≡蘧 |
| | Cracks? | ● 三 轍 |
| | Slope to prevent ponding in immediate area? | |
| 195 | Broken? | 翼三纓 |
| | | ₩ |
| | PVC CAP | 三農 |
| 496 | Screwed on? | |
| | Improved - How? | 爨三敠 |
| | Cut? | |
| _ | | Depth to Pottom |
| _ | MEASURING POINT | 010000000 |
| | MEASURING POINT MATERIAL Describe: Morker / Top of PVC | 22.39 _h . |
| | | |
| iib | LOOSE CASING | Very clar |
| | Shake well on two different axes. | , |
| | Comments: Secure | Measuring Point is |
| iri) | | Top of Well Casing |
| | AREA | Unless Otherwise Noted. |
| | Topography - In or near a low point or ditch? N- | |
| ** | Ponded water around well? N₂ | *Depth Below Measuring Pc |
| | | |



| PERFORMED BY | A. Lara | ge. | / m. | Wood | |
|--------------|---------|-----|------|------|---|
| DATE | Hug | 18, | 1993 | | _ |

| • | SITE Volney Codfill WELL Sau-278 |
|------------|--|
| • | LOCATION OSWego C. |
| • | Map location accurate? Yes Adequately flagged in hard to find areas? Nos |
| • | PROPERLY LABELED FOR QUICK IDENTIFICATION Outside Control Inside Ale |
| | PROTECTION OF THE WELL Posts: How many? Type Visibility: Proted armye Flagged |
| | PROTECTIVE CASING ADDR ground or flush with surface? (circle one) |
| • | Concrete cap? Protective casing height (above, below) ground 35 inches |
| * | Locked to prevent unauthorized entry |
| | Large gaps? No Fliptop cap? /s Rust: No Screw cap? No Lock cut? No Lock replaced? No |
| us | SURFACE SEAL Differential erosion around and under base? Cracks? Slope to prevent ponding in immediate area? Broken? |
| | Broken? |
| office | PVC CAP Screwed on? Improved - How? Cut? |
| fein | MEASURING POINT Marked? Describe: Mo-ter / Top of puc |
| 196 | LOOSE CASING Shake well on two different axes. Comments: Not Secure |
| *** | Topography - In or near a low point or ditch? No - Ponded water around well? No |
| | • |



When color: orange

Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Po



AREA

Topography -

DATE Aug 18, 1993

| ort. | MONITORING WELL INTEGRITY FIELD SURVEY |
|--|--|
| | SITE Valney Londfill WELL SGW-28 LOCATION Oswego G. |
| ** | LOCATION OSwego &, |
| • | LOCATION MARKED ADEQUATELY Map location accurate? Yes Adequately flagged in hard to find areas? N |
| • | PROPERLY LABELED FOR QUICK IDENTIFICATION Outside Inside |
| | PROTECTION OF THE WELL Posts: How many? Type Visibility: Painted |
| 94 | Flagged |
| * | PROTECTIVE CASING ADDIVE ground or flush with surface? (circle one) Concrete cap? Yes Protective casing height (above, below) ground 35.4 Inches |
| 98 | LOCKING CAP |
| 25 | Large gaps? No Fliptop cap? You Rust? No Screw cap? Rosh-on Lock cut? No Lock replaced? No |
| ## # | SURFACE SEAL Differential erosion around and under base? No Cracks? No |
| with the same of t | Slope to prevent ponding in immediate area? Yes Broken? No |
| 48 | PVC CAP Screwed on? Psh on Improved - How? |
| ** | Cut? MEASURING POINT Marked? Describe: Marker / Top of PUC |
| ** | LOOSE CASING Shake well on two different axes. Comments: |

In or near a low point or ditch? N Ponded water around well? TIN 35,4 Well casing, Inch diameter, Depth to Water 9.83 n. Depth to Rottom 23,56 n.

> Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Po



DATE Aug 18, 1993

MONITORING WELL INTEGRITY FIELD SURVEY

| ** | 11 / 10:11 |
|-------------|--|
| | SITE · Volney Lowfill |
| | WELL 56W-29 |
| - | SITE Volney Lowfill WELL 564-29 LOCATION OSCREY G. |
| | Special Control of the Control of th |
| | |
| | LOCATION MARKED ADEQUATELY |
| ?## | Map location accurate? Yes |
| | Map location accurate? Yes Adequately flagged in hard to find areas? Yes |
| | · |
| *** | PROPERLY LABELED FOR QUICK IDENTIFICATION |
| | Outside <u>Yes</u> Inside <u>N</u> |
| | , , |
| -40 | PROTECTION OF THE WELL |
| | Posts: How many? Type \(\omega_{\text{ood}} \) |
| | Visibility: Onted cray |
| *8 | Posts: How many? Type \(\omega^{\infty} \) Visibility: Panted cross Flagged |
| | |
| | PROTECTIVE CASING |
| - | Above ground or flush with surface? (circle one) |
| | Concrete cap? /cs Protective casing height (above, below) ground 30 inches |
| | Protective casing height (aboys, below) ground inches |
| | LOCKING CAP |
| *38 | Locked to prevent unauthorized entry? |
| | Large gage? No Eligan can? Yes |
| | Ruet: 1/. Scraw can? 1/2 |
| orth. | Locked to prevent unauthorized entry? Yes Large gaps? No Fliptop cap? Yes Rust? No Screw cap? No Lock cut? Yes Lock replaced? Yes |
| | Eddy (A) Eddy (A) |
| | SURFACE SEAL |
| • | Differential erosion around and under base? |
| | Cracks? |
| | Slope to prevent ponding in immediate area? |
| 1988 | Broken? |
| | |
| | PVC CAP |
| 1000 | Screwed on? |
| | Improved - How? None |
| | Cut? |
| *** | MEACURING BOILE |
| | MEASURING POINT Marked? Describe: Mode / Top of pvc |
| | marked? Describe: 7777 / 779) |
| | LOOSE CASING |
| 205 | |
| | Shake well on two different axes. Comments: |
| | Community. |
| 44 | AREA |
| | Topography - In or near a low point or ditch? |
| | • Ponded water around well? 4/ |

7 In 30 Well casing. Inch diameter, Depth to Water 6,67 n. Depth to Rottom 22.44 n.

> Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Poi



| PERFORMED BY | | | |
|--------------|----------|--------|--|
| DATE | August 7 | 8 /193 | |

|--|

| SITE · Volney Lordf. !! | |
|---|--|
| WELL SGW-30 A | |
| LOCATION OSCUEGO GO | |
| - Dabego d | 53 20 20 62 |
| | 71n35,52 |
| OCATION MARKED ADEQUATELY | LAND SURFACE |
| Map location accurate? y | YI VI |
| Adequately flagged in hard to find areas? | ИИ |
| , , , | ИИ |
| PROPERLY LABELED FOR QUICK IDENTIFICATION | ии |
| Outside Inside | ИИ |
| | Matterials |
| PROTECTION OF THE WELL | Well casing, |
| Posts: How many? Type net Red Post | MICH CHAPTE |
| Visibility: Painted | Y, Y, |
| Flagged | VI 1.2 |
| | ИЙ. |
| PROTECTIVE CASING | Depth to Water |
| Above ground or flush with surface? (circle one) | 1/1 1/4 |
| Concrete cap? 35.52 | 9,10 n. |
| Protective casing height (above, below) ground inches | |
| | |
| LOCKING CAP | |
| Locked to prevent unauthorized entry? V | |
| Large gaps? N Fliptop cap? Y | |
| Rust: ₩ Screw cap? N | |
| Lock cut? N Lock replaced? N | |
| CUREA OF OFAL | · · · · · · · · · · · · · · · · · · · |
| SURFACE SEAL | |
| Differential erosion around and under base? | |
| Cracks? N | |
| Slope to prevent ponding in immediate area? | |
| Broken? N | 墨畫鑾 |
| DVC CAB | |
| Screwed on? | ## ## ## ## ## ## ## ## ## ## ## ## ## |
| Improved - How? None | |
| Cut? | |
| | Pepth to Rotlom |
| MEASURING POINT | A STATE OF THE STA |
| Marked? Describe: morker | 22.29 4. |
| | |
| LOOSE CASING | Coiler - Some 7cm on Kepe |
| Shake well on two different axes. | Beiler - sume Ter on Repe SigN Terbid |
| Comments: Secure | Measuring Point is |
| | Top of Well Casing |
| AREA | Unless Otherwise Noted. |
| Topography - In or near a low point or ditch? | Onioss Cultimist 140.60. |
| Ponded water around well? من | *Depth Below Measuring |
| ν στουν τουν μ | Debut Dalow Wassaulud |



AREA

PERFORMED BY A. LaBorge / M. Wood

DATE August 18, 1993

| MONITORING WELL INTEGRITY FIELD S | SURVEY |
|---|--|
| SITE Volvey Lordfill WELL LOCATION OSCUCIO CO. | |
| SITE YOLKY LONGFILL SGW-30 B | |
| LOCATION OSCICIO CO. | |
| LOCATION | 71034.2 |
| · | |
| LOCATION MARKED ADEQUATELY | LAND SURFACE |
| Map location accurate? Y | ra ra |
| Adequately flagged in hard to find areas? | אוא |
| PROPERTY LABELED FOR OUTON INCATIGATION | ra ra |
| PROPERLY LABELED FOR QUICK IDENTIFICATION Outside Inside | ra ra |
| 00(2)06 77 | / |
| PROTECTION OF THE WELL | Well casing, |
| Posts: How many? 1 Type metal food Past Visibility: Painted | Inch diameter, |
| Visibility: Painted | ИИ |
| Flagged | VI I a |
| | VV |
| PROTECTIVE CASING | cepth to Water |
| Concrete can? | ИИ а « |
| | |
| Protective casing height (above, below) ground inches | |
| LOCKING CAP | |
| Locked to prevent unauthorized entry? Y | 3 3 |
| Large gaps? J Fliptop cap? Y | 3 3 |
| Rust: N Screw cap? N | |
| Large gaps? // Fliptop cap? / Rust: // Screw cap? // Lock cut? // Lock replaced? // | |
| • | |
| SURFACE SEAL | |
| Differential erosion around and under base? Cracks? | # |
| Slope to prevent ponding in immediate area? | |
| Broken? Slightly Hewed | 翼三翼 |
| Sity, y | |
| PVC CAP | |
| Screwed on? | |
| Improved - How? None | 養三 綴 |
| Cut? | Depth to Bottom |
| MEASURING POINT | The second secon |
| Marked? Describe: _mw-ko | 36, 93 n . |
| transact magained "" | |
| LOOSE CASING | |
| Shake well on two different axes. | |
| Comments: Secure | Measuring Point is |

Topography - In or near a low point or ditch? Nonded water around well? N

pth to cottom 93 n. Measuring Point is Top of Well Casing Unless Otherwise Noted. *Depth Below Measuring Poi.



PERFORMED BY A. Laboye / M. Wood
DATE

| | MUNITURING WELL INTEGRIL & FIELD S | UNYEI |
|---------------------------------------|--|---|
| . / | 1 / 10// | |
| SITE ' Vo | dney Ladfill | |
| WELL S | 761-23 | |
| | Lav. Ala. V. L | |
| LOCATION | Incy New York | |
| | 1 | \square \mathbf{r} $\mathbf{H}_{\mathcal{C}}$ |
| | | Π Υ ιΑ β |
| LOCATION MARKED AD | SECULATELY | 1 LAND SURFACE |
| Managara Ay | 'EUVAILE! | |
| Map location acc | surator yes | [A [A |
| Adequately flagg | ged in hard to find areas? No | Y I Y J |
| | | ИИ |
| PROPERLY LARFLED FO | R OUICK IDENTIFICATION | ИИ |
| Outside Vel | Inside _No | ra ra |
| Outside _ 7-3 | IU2109 Vo | V1 K1 |
| | | Well casing, |
| PROTECTION OF THE Y | YELL | inch diameter. |
| | ny? | M V I I I I I I I I I I I I I I I I I I |
| | Pelnted | ИИ |
| · · · · · · · · · · · · · · · · · · · | | 14 [4 |
| | Flagged | ra 1≪1 |
| - | | VVV |
| PROTECTIVE CASING | | depth to Water |
| | r flush with surface? (circle one) | |
| - Concrete cap? | | 1 1 9,76 n. |
| Curiciata capril | 48 | " |
| Protective casin | g height (above, below) ground 10 inches | |
| | | |
| LOCKING CAP | · | |
| Locked to preve | ant unauthorized entry? 1/c6 | |
| Lesson canal II | ent unauthorized entry? ^{1/46} Fliptop cap? ^{1/45} | 類 難 |
| raida dabai No | Priptop Caprico | |
| Rusti No | Screw cap7 // | ※ 数 |
| " Lock cut? No | Lock replaced? M | |
| • | · | |
| SURFACE SEAL | | ※三端 |
| | sion around and under base? | 選言論 |
| | sion around and under paser | 選≘鵽 |
| ∑(facks? | | |
| Slope to preven | nt ponding in immediate area? | 選 ≡龘 |
| "Broken? | | |
| ,, | | (2) |
| PVC CAP | | |
| | | |
| Scr wed on? | | |
| Improved - Hov | n? | 類三 |
| Cut? | | ■ ■ ※ ■ ※ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ |
| | | Depth to Bottom |
| MEASURING POINT | | Depin to congr |
| west para | ribe: muter / Top of puc | 17,78 m. |
| enanged Desc | 110 6 : 110 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1/1/0 h. |
| | | 1 |
| LOOSE CASING | | clan likter |
| | two different axes. | • |
| Comments: | | Managed a Beter to |
| Condition(2: | ~ -10 | Measuring Point is |
| 184 A TO 40 A | | Top of Well Casing |
| ** AREA | ıl | Unless Otherwise Noted. |
| Topography - | In or near a low point or ditch? μ | |
| | Ponded water around well? | *Donth Rolow Monaudon Ba |
| | 70 | *Depth Below Measuring Pol |



PERFORMED BY A. Laborge / M. Wood
DATE Aug 18, 1993

| MONITORING WELL INTEGRITY | FIELD SURVEY |
|---|--|
| SITE Volky Lodfill WELL SGLD-34 LOCATION OSCEGO Co. | T 1n32,04 |
| LOCATION MARKED ADEQUATELY Map location accurate? Yes Adequately flagged in hard to find areas? Yes | LAND SURFACE |
| PROPERLY LABELED FOR QUICK IDENTIFICATION Outside Ves Inside No | Well casing, |
| PROTECTION OF THE WELL Posts: How many? Type Visibility: Protect orange Flagged | inch diameter, |
| PROTECTIVE CASING Above ground or flush with surface? (circle one) | Depth to Water |
| Protective casing height (above, below) ground inches | The second of th |
| Locked to prevent unauthorized entry? Yes Large gaps? No Fliptop cap? Yes Rust? No Screw cap? No Lock cut? No Lock replaced? No | |
| SURFACE SEAL Differential erosion around and under base? Cracks? Yes Slope to prevent ponding in immediate area? Yes | |
| Broken? Yes | |
| Screwed on? Improved - How? Cut? | |
| MEASURING POINT Marked? Describe: Murker / Top of PUC | Depth to Rottom |
| Shake well on two different axes. Comments: | Measuring Point is |
| Topography - In or near a low point or ditch? M | Top of Well Casing Unless Otherwise Noted. |
| - Ponded water around well? No | *Depth Below Measuring Poin |



PERFORMED BY A. LaBoyc / M. Wood
DATE Aug 18, 1993

| | MONITORING WELL INTEGRITY FIELD SURVE | Ĺ |
|---|---|---|
| | SITE Volney Londfills WELL VOIC - 2 | |
| | WELL 1/860 - 2 LOCATION OSWEGO G. | |
| | LOCATION SOCIETY CO. | |
| | | T ₁₀ 29.16 |
| | LOCATION MARKED ADEQUATELY | LAND SURFACE |
| | Map location accurate? Ves | 1 M |
| | Adequately flagged in hard to find areas? Yes | 1И |
| | A second to the second | 11/1 |
| I | PROPERLY LABELED FOR QUICK IDENTIFICATION | 1 [/ |
| | PROPERLY LABELED FOR QUICK IDENTIFICATION Outside Yes Inside No | 4 |
| | | A Day wall assiss |
| • | PROTECTION OF THE WELL | Well casing, Inch diameter, |
| | Posts: How many? Type | STLINKS STEEL |
| | Visibility: Funted | |
| F | Flagged | 7 I. 2 |
| | | (1V) |
| | PROTECTIVE CASING | aepth to Water |
| • | (circle one) | 1 1 6, // |
| | Concrete cap? Protective casing height (above, below) ground | A CTTTR |
| | Protective casing height (above, below) ground inches | |
| | LOCKING CAP | |
| | Locked to prevent unauthorized entry? Yes | |
| | Large gane? We Fligton can? Vec | |
| _ | Large gaps? No Fliptop cap? Ves Rust: Yes Screw cap? No | |
| • | Lock cut? Yes Lock replaced? Yes | |
| | /ες | |
| _ | SURFACE SEAL | |
| • | Differential erosion around and under base? | 200 |
| | Cracks? None | |
| | Slope to prevent ponding in immediate area? | 300 ■ 100 100 |
| • | Broken? | 選三数 |
| | DVC CAD | 温量器 |
| | PVC CAP Screwed on? | # = G |
| * | Improved - How? | #≣# |
| | Cut? | 麗豊鸝 |
| | | Depth to Cotton |
| | MEASURING POINT | |
| | MEASURING POINT Marked? Describe: Morter Top of puc | 10,2/ h. |
| | | |
| 8 | LOOSE CASING | |
| | Shake well on two different axes. | |
| | Comments: Secure | Measuring Point is |
| • | AREA ./ | Top of Well Casing |
| | Topography - In or near a low point or ditch? N_c | Unless Otherwise Noted. |
| | - Ponded water around well? No | *Dooth Rolow Massuring Bails |
| è | T WITHOUT THE WITH THE THE THE THE THE THE THE THE THE T | *Depth Below Measuring Poir |



| PERFORMED BY | A LaBoye/M. Wood |
|--------------|------------------|
| DATE | Buy 19, 1993 |

| | SITE Volney Consill WELL VBW-35 | |
|----------|--|---|
| | WELL 1/8W - 35 | |
| | LOCATION Oxwego Co, | |
| - | Contraction of the state of the | Cl 3° 0/ |
| | | 7 tn 36 |
| - | LOCATION MARKED ADEQUATELY | LAND SURFACE |
| - | Map location accurate? You | n n |
| | Adequately flagged in hard to find areas? | YI YI |
| | | YI YI |
| • | PROPERLY LABELED FOR QUICK IDENTIFICATION Outside / Inside // | YI YI |
| | Outside 75 Inside 76 | YI KI |
| | PROTECTION OF THE WELL | Well casing, |
| ** | Posts: How many? Type | Inch diameter, |
| | Visibility: Panted | STunless steel |
| | Flagged | ИIJ |
| | | M 159 |
| | PROTECTIVE CASING | Depth to Water |
| | Above ground or flush with surface? (circle one) | |
| ** | | 2 29, 18 n· |
| | Protective casing height (above, below) ground inches | |
| | | |
| * | LOCKING CAP | 100 100 100 100 100 100 100 100 100 100 |
| | Locked to prevent unauthorized entry? | 黨 🏙 |
| | Large gaps? // Fliptop cap? y | |
| * | Large gaps? // Fliptop cap? // Rust? // Screw cap? // Lock cut? // Lock replaced? // | ■ ■ |
| | Lock cut/ y Lock replaced? y | |
| | SURFACE SEAL | #≣₩ |
| *** | Differential erosion around and under base? | |
| | Cracks? | |
| | Slope to prevent ponding in immediate area? | |
| _ | Broken? | |
| - | | |
| | PVC CAP_ | |
| | Scrawed on? | 雛≣爨 |
| | Improved · How? | |
| | Cut? | |
| | MEACHDING DOINT | Depth to Bettom |
| _ | MEASURING POINT MARGINATION Describe: Marker / Top of puc | 19.40 _n . |
| | Wildinged Pascribe. 177 1 7 1 | <u> </u> |
| طفئ | LOOSE CASING | clean |
| _ | | Clear |
| | Shake well on two different axes. Comments:Secure | Measuring Point is |
| - 111 | | Top of Well Casing |
| *** | AREA | Unless Otherwise Noted. |
| | Topography - In or near a low point or ditch? | |
| | - Ponded water around well? No | *Depth Below Measuring Poir |
| 湖 | | • |



| PERFORMED BY | A. Labor | je/ | m. u | lood |
|--------------|----------|-----|------|------|
| DATE | Aug | 19 | 1993 | |

| | SITE Volvey Londfill WELL VBW-3I LOCATION OSWEGO GO. | |
|----|--|--|
| | WELL 1843-31 | |
| | LOCATION OSLUGO Co. | |
| | Easter agree of the contract o | n x |
| | | ∏ ^r in 33,≤ |
| | LOCATION MARKED ADEQUATELY | LAND BURFACE |
| | Map location accurate? Yes | YI YI |
| | Adequately flagged in hard to find areas? | ИИ |
| | • | ИИ |
| | PROPERLY LABELED FOR QUICK IDENTIFICATION | ИИ |
| | Outside <u>Yes</u> Inside <u>No</u> | И IA |
| | | M Not well and a |
| , | PROTECTION OF THE WELL | Well casing, |
| | Posts: How many? O Type | Stenless stee |
| | Visibility: Funted | |
| | Flagged | V1 1-2 |
| | | ИИ , |
| | PROTECTIVE CASING | cepth to Water |
| | (circle one) | ИИа'ии |
| | Concrete cap? Protective casing height (above, below) ground 33.5 inches | A TITER. |
| | Protective casing height (above below) ground inches | |
| | LOCKING CAR | |
| I | Locked to prevent unauthorized entry? | 28 28 28 C |
| | Locked to prevent unauthorized entry? | 美 |
| | Large gaps? Mb Fliptop cap? Yes Rust? Yes Screw cap? No Lock cut? Yes Lock replaced? Yes | |
| r | tock out? >/ tock collect? (/ c | |
| | Each catt yes | ≝ − <u>ജ</u> |
| | SURFACE SEAL | 3 三 5 |
| • | Differential exactor excued and under hare? | 墨三麓 |
| | Cracks? None | 基三菱 |
| | Slope to prevent ponding in immediate area? | |
| , | Broken? | |
| | | |
| | PVC CAP | |
| , | Scriwed on? | 養三靈 |
| | Improved - How? | |
| | Cut? | Depth to Retton |
| | AACA CLIDING DOINT | Depth to Petton |
| | MEASURING POINT Manual Describe: Motor / Top of PVC | 30.30. |
| | marked Describe: 17 | 30,30h. |
| | LOOSE CASING | cless |
| | | CIRUI |
| | Shake well on two different axes. Comments: Secure | Maseurina Balat la |
| _ | | Measuring Point is Top of Well Casing |
| | AREA A/ | Unless Otherwise Noted. |
| | Topography - In or near a low point or ditch? | |
| | - Ponded water around well? No | *Depth Below Measuring Poi |
| ń. | · | - Thurs a second strong and 1 Or |



DATE By 19, 1993

MONITORING WELL INTEGRITY FIELD SURVEY

| HINTHIA STILL STILL STATE OF THE STATE O |
|--|
| SITE Volky Londfill WELL VBW-3P LOCATION OSWEGO CO. |
| SITE ' Volvey Low Fill |
| WELL 1/8W-30 |
| LOCATION OSLIPGO CO. |
| Constitution of the Consti |
| |
| LOCATION MARKED ADEQUATELY |
| |
| Map location accurate? Yes Adequately flagged in hard to find areas? |
| woodnately usbbed in used to find sless. |
| SCARRING TO THE THE PARTY INTO THE PROPERTY OF THE PARTY IN THE PARTY |
| PROPERLY LABELED FOR QUICK IDENTIFICATION Outside S Inside No. |
| Outside <u>yes</u> Inside <u>No</u> |
| |
| PROTECTION OF THE WELL |
| Posts: How many? O Type |
| Visibility: Funted |
| Flagged |
| |
| PROTECTIVE CASING |
| |
| Concrete cap? |
| Protective casing height (2000) below) ground inches |
| Protective casing height (2004), below) ground inches |
| 100000 |
| LOCKING CAP |
| Locked to prevent unauthorized entry? 1/05 |
| Large gaps? No Fliptop cap? Ves |
| Rusti Ves Screw cap? No |
| Large gaps? No Fliptop cap? Yes Rust: Yes Screw cap? No Lock cut? Yes Lock replaced? Yes |
| 333 78 |
| SURFACE SEAL |
| Differential erosion around and under base? |
| Cracker |
| Cracks? Slope to prevent ponding in immediate area? Broken? |
| Protect |
| Drokenr |
| BUO OAB |
| PVC CAP |
| Screwed on? |
| Improved - How? |
| Cut? |
| *** |
| MEASURING POINT |
| MEASURING POINT APAIKed? Describe: Marker / Top of puc |
| |
| LOOSE CASING |
| Shake well on two different axes. |
| Comments: Secure |
| |
| AREA |
| Topography - In or near a low point or ditch? |
| Ponded water around well? N₀ |

T1027,5 -Well casing, Inch dameter Stenless Steel cepth to Water 9,24, Depth to Petton 48.30 h. clean

> Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Po



| PERFORMED BY | A. Lalrige/M. Wood |
|--------------|--------------------|
| DATE | |

| | SITE Volney Lond Fill WELL VBW-3BR LOCATION Sourceyo Co. | |
|---|--|-------------------------|
| | J | Tin3915 |
| | LOCATION MARKED ADEQUATELY | LAND SURFACE |
| • | Map location accurate? YS | YI YI |
| | Adequately flagged in hard to find areas? | ИИ |
| | | ИИ |
| • | PROPERLY LABELED FOR QUICK IDENTIFICATION | ИИ |
| | Outside Yes Inside _/W | ИИ |
| | PROTECTION OF THE WELL | Well çasıng, |
| • | PROTECTION OF THE WELL | Inch diame |
| | Posts: How many? Type | STEINTSS SKE |
| | Visibility: Punted | [A [A |
| • | Flagged | [/ [] |
| | PROTECTIVE CASING | depth to Water |
| | Above ground or flush with surface? (circle one) | V Depin to wine |
| | | 2 1 9.93 n· |
| | Concrete cap? Protective casing height (250ve, below) ground inches | -1-1-n |
| | Frotective Castrid height (\$50048, below) droging wiches | |
| | LOCKING CAP | |
| - | Locked to prevent unauthorized entry? Yes | |
| | Large gaps? No Fliptop cap? Yes | 類 |
| | Rusti yes Screw capi No | |
| • | Rust: yes Screw cap? No Lock cut? yes Lock replaced? Yes | |
| | Econ con 195 | |
| | SURFACE SEAL | |
| • | | 響量驗 |
| | Cracks? | |
| | Slope to prevent ponding in immediate area? | |
| | Broken? | |
| | | \$ 2 |
| | PYC CAP | |
| | Screwed on? | 選車器 |
| | Improved - How? | 豊富蒙 |
| | Cut? | 麗玉 麗 , |
| | MEACHDING DOINT | Depth to Bettom |
| | MEASURING POINT Marked? Describe: Murter / Top of puc | 89.18 |
| | wisiked) Describe. 77 | 81.10 W. |
| | LOOSE CASING | |
| | Shake well on two different axes. | • |
| | Comments: Secure | Measuring Point is |
| | | Top of Well Casing |
| | AREA ./ | Unless Otherwise Noted. |
| | Topography - In or near a low point or ditch? No | 5350 Galorinist 140.60. |
| | - Ponded water around well? No | *Depth Below Measuring |

*Depth Below Measuring P

PERFORMED BY M. Wood DATE Pec 16, 1993

W

14

| MONITORING WELL INTEGRITY FIELD SURV | VEY |
|---|--|
| SITE Volvey Loodf. III WELL LOCATION LOCATION MARKED ADEQUATELY Map location accurate? Yes Adequately flagged in hard to find areas? Yes PROPERTY A ARELED FOR OURCE IDENTIFICATION | 7 Tin 2.39 |
| Map location accurate? %s Adequately flagged in hard to find areas? %s | LAND SURFACE |
| PROPERLY LABELED FOR QUICK IDENTIFICATION Outside SES Inside No | 3NN |
| Posts: How many? / Type Wood Visibility: Ponted croyse Flagged | Well casing, 2 inch diam School Yo PVC |
| PROTECTIVE CASING (Above) ground or flush with surface? (circle one) Concrete cap? No Protective casing height (above) below) ground 2.39 inches | oepth to Water 10,62 no |
| Locked to prevent unauthorized entry? Yes Large gapa? No Fliptop cap? Yes Rust? Yes Screw cap? No Lock cut? Yes Lock replaced? No | |
| SURFACE SEAL Differential erosion around and under base? Cracks? Slope to prevent ponding in immediate area? Broken? | |
| PVC CAP Screwed on? Improved - How? Cut? | Depth to eatlan |
| MEASURING POINT Marked? Describe: Black formerant murker | 14.2 1. |
| Shake well on two different exes. Comments: Second | Measuring Point is |

In or near a low point or ditch? No Ponded water around well? No

Measuring Point is Top of Well Casing Unless Otherwise Noted.

AREA

Topography -

^{*}Depth Below Measuring



| PERFORMED BY | A. Laboye | m. Wood | |
|--------------|------------|---------|--|
| DATE | Acquist 19 | 1983 | |

| MONITORING WELL INTEGRITY FIELD SUR | YEY |
|-------------------------------------|-----|
|-------------------------------------|-----|

| SITE VOLLEY LO-UTIL | |
|--|--|
| WELL VOW -4P | |
| LOCATION OSWEED CO. | |
| V | □ r,2 |
| LOGATION MARRIED ADPOLLATELY | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| LOCATION MARKED ADEQUATELY | |
| Map location accurate? Y | ИИ |
| Adequately flagged in hard to find areas? | א א |
| PROPERLY LABELED FOR QUICK IDENTIFICATION | ra ra |
| Outside Inside | rara |
| Odeside _ A | Y KI |
| PROTECTION OF THE WELL | // // W |
| PROTECTION OF THE WELL Posts: How many? Type Visibility: Panted orange Flagged | ии . |
| Visibility: Panted grave | ИИ - |
| Flagged | ИIJ |
| · · · · · · · · · · · · · · · · · · · | 1/1 N |
| PROTECTIVE CASING | 11 0 |
| Above ground or flush with surface? (circle one) | 1411 |
| Concrete cap? 26.34 | N N II |
| Protective casing height (above, below) ground inches | |
| The state of the s | |
| LOCKING CAP | |
| Locked to prevent unauthorized entry? Y | |
| Large gaps? N Fliptop cap? Y | 3 |
| Rust: Y Screw cap? N | 繼 |
| Large gaps? N Fliptop cap? Y Rust: Y Screw cap? N Lock cut? Y Lock replaced? Y | |
| | 響≘巖 |
| SURFACE SEAL | |
| Differential erosion around and under base? | ※三級 |
| Cracks? | # ■ |
| Slope to prevent ponding in immediate area? | |
| Broken? | |
| | \$ 6 2 |
| PVC CAP_ | |
| Screwed on? | 纂≣麤 |
| Improved - How? | |
| Cut? | #■ |
| ***** | |
| MEASURING POINT | 2 |
| MEASURING POINT Marked? Describe: marker Top of pre | |
| | |
| LOOSE CASING | |
| Shake well on two different axes. | |
| Comments: | Mea |
| ADEA | Тор |
| AREA | Uni |
| Topography - In or near a low point or ditch? N | |
| Ponded water around well? N | *De |
| | |

6.34 AND SUPFACE Inch diameter, pth to Water ... 08n. Pepth to Potton, 5.53

> Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Poir



DATE Ag 19, 1993

MONITORING WELL INTEGRITY FIELD SURVEY

| SITE ' Volney Lodfill WELL VBW-5 LOCATION Oswego Co | |
|--|--|
| LOCATION MARKED ADEQUATELY Map location accurate? Yes | 1 LAND SURFACE |
| Adequately flagged in hard to find areas? No | ИИ |
| PROPERLY LABELED FOR QUICK IDENTIFICATION Outside Ves Inside No | ИИ |
| PROTECTION OF THE WELL Posts: How many? Type Visibility: Fanted Flagged | Well casing, Inch diam |
| PROTECTIVE CASING | aepth to Water |
| Concrete cap? Protective casing height (above, below) ground inches | 9.49 n. |
| LOCKING CAP | |
| Locked to prevent unauthorized entry? Yes | |
| Large gaps? No Fliptop cap? Yes Rust: Yes Screw cap? No Lock cut? Yes Lock replaced? Yes | |
| SURFACE SEAL | |
| Differential erosion around and under base? μ_s Cracks? μ_s | |
| Slope to prevent ponding in immediate area? Yes Broken? No | |
| PVC CAP | |
| Screwed on? Improved - How? | |
| Cut? | |
| MEASURING POINT Manded? Describe: Top of PVC | Depth to Betton |
| LOOSE CASING | " |
| Shake well on two different axes. Comments:Secure | Measuring Point is |
| AREA Topography - In or near a low point or ditch? No | Top of Well Casing Unless Otherwise Noted. |
| - Ponded water around well? No | *Depth Below Measuring |

*Depth Below Measuring Po



| PERFORMED BY | A. Luberc | M. Wow | |
|--------------|-----------|----------|--|
| DATE | August | 19, 1993 | |

| MONITORING WELL INTEGRITY | (FIELD | SURVEY |
|---------------------------|---------|--------|
|---------------------------|---------|--------|

| SITE Volney Lowfill WELL LOCATION OSLEYO C- | |
|---|---|
| LOCATION MARKED ADEQUATELY Map location accurate? Adequately flagged in hard to find areas? | Tin 32 |
| PROPERLY LABELED FOR QUICK IDENTIFICATION Outside Inside PROTECTION OF THE WELL | Well casing, |
| Posts: How many? O Type Visibility: Punted Flagged | Inch diamete |
| PROTECTIVE CASING Dove ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground 32 inches | Depth to Water 5,92 no |
| LOCKING CAP Locked to prevent unauthorized entry? Large gaps? N Fliptop cap? Rust? N Screw cap? N Lock cut? Y Lock replaced? Y | |
| SURFACE SEAL Nonc Differential erosion around and under base? Cracks? Slope to prevent ponding in immediate area? Broken? | |
| PVC CAP Screwed on? Improved - How? Cut? | Depth to Rettom |
| MEASURING POINT Marked? Describe:morler [], of puc | 18,04 n. |
| Shake well on two different axes. Comments: | Measuring Point is |
| AREA Topography - In or near a low point or ditch? - Ponded water around well? | Top of Well Casing Unless Otherwise Noted. *Depth Below Measuring P |
| <i>\</i> - | • |



| PERFORMED BY | A. LuBoy | c/m. | Wood |
|--------------|----------|------|------|
| DATE | August | 19,1 | 18 |

| SITE Volvey Low Fill WELL VBW-75 LOCATION Schey Co | |
|---|--|
| LOCATION MARKED ADEQUATELY Map location accurate? Y Adequately flagged in hard to find areas? | In 37.8 |
| PROPERLY LABELED FOR QUICK IDENTIFICATION Outside Inside | |
| Protection of the Well Posts: How many? Type retained morker Visibility: Painted Flagged | Well casing, 2 Inch diamete |
| PROTECTIVE CASING Some ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground 37.8 inches | pepth to Water 7.33 no |
| LOCKING CAP Locked to prevent unauthorized entry? Large gaps? Fliptop cap? Rust? Screw cap? Lock cut?y Lock replaced? V | |
| SURFACE SEAL None Differential erosion around and under base? Cracks? Slope to prevent ponding in immediate area? Broken? | |
| PVC CAP Screwed on? Improved - How? Cut? | Depth to Retton |
| MEASURING POINT Marked? Describe: Tip of PUC | Depth to eathorn 17.33 no |
| LOOSE CASING Shake well on two different axes. Comments: | Measuring Point is |
| * AREA Topography - In or near a low point or ditch? N - Ponded water around well? ✓ | Top of Well Casing Unless Otherwise Noted. *Depth Below Measuring Po |
| · | , |



AREA

| PERFORMED BY | A. Laboye/ | m. Wood | |
|--------------|------------|---------|--|
| | August 1 | | |

| MONITORING WELL INTEGRITY FIL | ELD SURVEY |
|---|------------|
| SITE Volney Landfill WELL LOCATION OSLAGO CO. | |
| SITE Volney Lautill | |
| WELL / VBW - 70 | |
| LOCATIONOSLAGO O | |
| • | ſ |
| LOCATION MARKED ADEQUATELY | |
| Map location accurate? Y | V) |
| Adequately flagged in hard to find areas? | И |
| | И |
| PROPERLY LABELED FOR QUICK IDENTIFICATION | И |
| Outside Inside | И |
| , | [A |
| PROTECTION OF THE WELL | 1/4 |
| Posts: How many? _ Type metal road marker | r) |
| Visionity. | , Y |
| Flagged | Y. |
| | [N |
| PROTECTIVE CASING | Y) |
| Above ground or flush with surface? (circle one) | И |
| Concrete cap? | |
| Protective casing height (above, below) ground inches | |
| LOCKING CAP | |
| Locked to prevent unauthorized entry? | 盤 |
| Large gaps? N Fliptop cap? | |
| | |
| Rust: Y Screw cap? W Lock cut? Y Lock replaced? Y | |
| 200K 101K Y | |
| SURFACE SEAL | |
| Differential erosion around and under base? | ** |
| Cracke? Concrete | |
| Slope to prevent ponding in immediate area? Hewed | |
| Broken? | |
| | |
| PVC CAP | |
| Scrawed on? None | |
| Improved - How? | |
| Cut? | |
| MEASURING POINT | |
| Marked? Describe:marker | 8 |
| MIGITAGE DASCINA: Vales 1-2 | # |
| LOOSE CASING | |
| Shake well on two different axes. | |
| Comments: Secure | |
| | |

Topography - In or near a low point or ditch? N
- Ponded water around well? N

| In 30, 2 |
|--------------------------------|
| Well casing, 2 Inch diameter, |
| Depth to Woter 6.34 n. |
| |
| |
| Depth to eatlon |
| 31.36 n. |

Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Poir



DATE Hy 19, 1993

MONITORING WELL INTEGRITY FIELD SURVEY

| SITE Volvey Low fill WELL VOW -85 LOCATION OSLJEGO G, |
|--|
| LOCATION MARKED ADEQUATELY Map location accurate? Yes Adequately flagged in hard to find areas? |
| PROPERLY LABELED FOR QUICK IDENTIFICATION Outside Some Inside No. |
| PROTECTION OF THE WELL Posts: How many? Type Visibility: Painted Flagged |
| PROTECTIVE CASING Above ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground 20,5 inches |
| Locked to prevent unauthorized entry? Yes Large gaps? ** Fliptop cap? Yes Rust: Nes Lock cut? Yes Lock replaced? Yes |
| SURFACE SEAL Differential erosion around and under base? No Cracks? Slope to prevent ponding in immediate area? No Broken? No |
| PVC CAP Screwed on? Improved - How? Cut? |
| MEASURING POINT Marked? Describe: marker / Top of puc |
| LOOSE CASING Shake well on two different axes. Comments: Secure |
| AREA Topography - In or near a low point or ditch? M - Ponded water around well? M |

Well casing, Inch djamete Stuntess Stee cepth to Water Depth to Betton 20,07 h.

> Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Pc



PERFORMED BY A. Luburge / M. Wood
DATE Aug 19, 1993

MONITORING WELL INTEGRITY FIELD SURVEY

| | Now-80 Vac-80 Nosceyo Co | |
|---------|---|---|
| | N MARKED ADEQUATELY | *************************************** |
| N. | lap location accurate? Yes dequately flagged in hard to find areas? | |
| ^ | coequatery happed in hard to find aleast | |
| PROPERL | Y LABELED FOR QUICK IDENTIFICATION | |
| С | Outside Yes Inside 165 | |
| PROTECT | TION OF THE WELL | |
| P | osts: How many? Type | |
| | isibility: Funted | |
| | Flagged | |
| PROTEC | TIVE CASING | |
| | Above ground or flush with surface? (circle one) | |
| > | | |
| F | concrete cap? Protective casing height (above, below) ground $\frac{18}{18}$ inches | 18 |
| LOCKING | 3 CAP | |
| ι | ocked to prevent unauthorized entry? | |
| L | arge gaps? M. Fliptop cap? | |
| F | Rust: Yes Screw cap? No Lock cut? Yes Lock replaced? Yes | |
| , | Lock cutryes Lock replaced 7/3 | |
| SURFAC | E SEAL None | |
| | Differential erosion around and under base? | |
| | Cracks? | |
| | Slope to prevent ponding in immediate area? Broken? | |
| | _ | |
| PVC CA | | |
| | Screwed on? Improved - How? | |
| | Cut? | |
| MEACH | RING POINT | |
| H-C-100 | Manged? Describe: Merter - Top of PVC | |
| | CASING | |
| | Shake well on two different axes. | |
| | Comments: Secure | |

Depth to Water
12,82m.

Depth to Retter
37,47m.

Measuring Point is

STUMPSS Steel steel

Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Pc



16 lacy Confeil

PERFORMED BY A. LaBryc / M. Wood
DATE Aug 19, 1993

MONITORING WELL INTEGRITY FIELD SURVEY

| SITE VOINTY | |
|---|------------|
| WELL VEW-8BR | |
| LOCATION OSLEYD CO. | |
| · | П , |
| LACATION MARVER ADSOLIATELY | |
| LOCATION MARKED ADEQUATELY | |
| Map location accurate? Yes Adequately flagged in hard to find areas? | [4] |
| Adequately hagged in hard to find areas? | 14 14 |
| BOODEDLY LABELED FOR OTHER IDENTIFICATION | rara |
| PROPERLY LABELED FOR QUICK IDENTIFICATION Outside _ Lo | ra ra |
| Cotside _ (2) | Y KI |
| PROTECTION OF THE WELL | וע גע |
| Posts: How many? O Type | ИИ |
| Visibility: Pented | ИИ |
| Flagged | ИИ |
| 1.00000 | [/ [/s |
| PROTECTIVE CASING | ra ra |
| (Above ground or flush with surface? (circle one) | ra ra |
| | ra ra |
| Protective casing height (above, below) ground 18 Inches | |
| | |
| LOCKING CAP | |
| Locked to prevent unauthorized entry? (es | |
| Large gaps? Yes Fliptop cap? Yes Rust: Yes Screw cap? No | |
| Rustike Screw capi No | |
| Lock cut? 1/5 Lock replaced? 1/5 | |
| | |
| SURFACE SEAL | |
| Differential erosion around and under base? Mo concrete | 滑三爨 |
| Differential erosion around and under base? No Concrete Cracks? Slope to prevent ponding in immediate area? No House | |
| Slope to prevent ponding in immediate area? | |
| Broken? No. | |
| BVA 44B | |
| PVC CAP | |
| Screwed on? | |
| Improved - How? Cut? | |
| Cuti | |
| MEASURING POINT | |
| MEASURING POINT Marked? Describe: marker / Top of puc | |
| | |
| LOOSE CASING | Jeo |
| Shake well on two different axes. | Jeo |
| Comments: | |
| | |
| AREA | |
| Topography - In or near a low point or ditch? | |
| - Ponded water around well? Ab | |
| | |

AND SURFACE Vell casing. Inch diameter epth to Water 2,79n. Depth to Bettom 3,79n.

> Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Po



| PERFORMED BY | A. LaBoye | LM. Wood |
|--------------|-----------|----------|
| DATE | Buy 19 | 1993 |

| SITE Volky Loofill WELL VBW-95 LOCATION OSLEGO G. |
|--|
| LOCATION MARKED ADEQUATELY Map location accurate? / Adequately flagged in hard to find areas? Mo |
| PROPERLY LABELED FOR QUICK IDENTIFICATION Outside Inside |
| PROTECTION OF THE WELL Posts: How many? Type Visibility: Fanted Flagged |
| PROTECTIVE CASING (Above ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground inches |
| Locked to prevent unauthorized entry? Yes Large gaps? No Fliptop cap? Yes Rust: Yes Screw cap? No Lock cut? Yes Lock replaced? Yes |
| SURFACE SEAL Differential erosion around and under base? Concrete Cracks? Slope to prevent ponding in immediate area? #kacc Broken? |
| PVC CAP Screwed on? Improved - How? Whe Cut? |
| MEASURING POINT Marked? Describe: Multer / Top of PUC |
| LOOSE CASING Shake well on two different axes. Comments:Secure |
| AREA Topography - In or near a low point or ditch? No - Ponded water around well? |

11 14 35.88 Well casing, Inch diamete cepth to Water Depth to Bettom 20,38 h.

> Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Pc



DATE Ay 19, 1993

MONITORING WELL INTEGRITY FIELD SURVEY

| SITE Volney Lowfill WELL LOCATION OSTEGO 6. |
|--|
| LOCATION MARKED ADEQUATELY Map location accurate? /cs Adequately flagged in hard to find areas? //o |
| PROPERLY LABELED FOR QUICK IDENTIFICATION Outside No. Inside No. |
| PROTECTION OF THE WELL Posts: How many? Type Visibility: Funted Flagged |
| PROTECTIVE CASING ADDRESS ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground 26 inches |
| LOCKING CAP Locked to prevent unauthorized entry? Yes Large gaps? No Fliptop cap? Yes Rust? Yes Screw cap? No Lock cut? Yes Lock replaced? Yes |
| SURFACE SEAL Differential erosion around and under base? Cracks? Slope to prevent ponding in immediate area? Broken? |
| PVC CAP Screwed on? Improved · How? Cut? |
| MEASURING POINT Marked? Describe: Marker Top of puc |
| LOOSE CASING Shake well on two different axes. Comments: Secure |
| AREA |

Ponded water around well?

11 24.52 Well casing. inch diamete Steinless Steel cepth to Water Depth to Bettom 27.237.

> Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Pc



PERFORMED BY A. LaBoye / M. Wood
DATE Aug 19, 1993

MONITORING WELL INTEGRITY FIELD SURVEY

| | WELL VAW- 103 |
|-------|---|
| | LOCATION USLOW Co. |
| • | LOCATION MARKED ADEQUATELY Map location accurate? Ye≤ Adequately flagged in hard to find areas? No |
| • | PROPERLY LABELED FOR QUICK IDENTIFICATION Outside Inside |
| • | PROTECTION OF THE WELL Posts: How many? Type Visibility: Painted Flagged |
| • | PROTECTIVE CASING Experience ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground inches |
| • | Locked to prevent unauthorized entry? Yes Large gaps? Yes Rust: Yes Screw cap? Yes |
| • | Lock cut? yes Lock replaced? Yes SURFACE SEAL Mo Differential erosion around and under base? Mo Cracks? Mo Slope to prevent ponding in immediate area? Yes Broken? |
| • | Ecrewed on? Improved - How? Cut? |
| • | MEASURING POINT Matter / To, of puc |
| • | LOOSE CASING Shake well on two different axes. Comments: Secure |
| | AREA Topography - In or near a low point or ditch? - Ponded water around well? |
| art . | |

1/1 / 1011

T LAND SUMMAGE Well casing, Steinless steel cepth to Water Depth to Bettom 18,97m.

> Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Po



AREA

Topography - in or near a low point or ditch?
- Ponded water around well? No

DATE Aug 17, 1993

| MONITORING WELL INTEGRITY FIEL | D SURVEY |
|---|-----------------------------|
| SITE / WOLVY Ludfill WELL LOCATION Surgo Co. | |
| Map location accurate? Yes Adequately flagged in hard to find areas? No | Tin 29.0 |
| PROPERLY LABELED FOR QUICK IDENTIFICATION Outside Y-S Inside No. | 99 |
| PROTECTION OF THE WELL Posts: How many? Type Visibility: Funted Flagged | Well casing, ST. Mrss STOR |
| PROTECTIVE CASING Above ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground inches | DRY |
| Locked to prevent unauthorized entry? Yes Large gaps? No Fliptop cap? Yes Rust? Yes Lock cut? Yes Lock replaced? Yes | DKY |
| SURFACE SEAL Yas Differential erosion around and under base? Yas Cracks? As Slope to prevent ponding in immediate area? Yas Broken? | |
| PVC CAP Screwed on? Improved - How? Cut? | |
| MEASURING POINT Manyed? Describe: mulo / Top of puc | Depth to cettom, 57,3 n. |
| LOOSE CASING Shake well on two different axes. Comments: A-T Secure | Measuring Point is |

Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Measuring Pc



| PERFORMED BY | A Labore, | m. Wood |
|--------------|-----------|---------|
| DATE | August | 9, 1993 |

| HALLI SILLA TERRETARIA DE LA SECUCIONA DE LA CONTRACTOR D | antel. |
|--|-------------------------|
| SITE , Wolney Wolfill | |
| | |
| | |
| LOCATION USLANTO CO | |
| | Π Υ. 12 |
| | 1n33 |
| LOCATION MARKED ADEQUATELY | LANG SURFACE |
| Map location accurate? 🟏 | ra ra |
| Adequately flagged in hard to find areas? | KI KI |
| | ИИ |
| PROPERLY LABELED FOR QUICK IDENTIFICATION | ИИ |
| Outside Inside | ИИ |
| • | Mail seeles |
| PROTECTION OF THE WELL | Well casing, |
| Posts: How many? Type | TA CALL MOTOR MINERS |
| Visibility: Funted | N N -32 |
| Flagged | VI 1.3 |
| | ий . |
| PROTECTIVE CASING | Depth to Water |
| Above ground or flush with surface? (circle one) | 1 12 45 |
| Concrete cap? | [A [A] 3x, 13 A. |
| Protective casing height (above, below) ground 33 inches | |
| | |
| LOCKING CAP | |
| Locked to prevent unauthorized entry? / | |
| Large gaps? Y Fliptop cap? Y | |
| Rusti some Screw capi N | |
| Lock cut? y Lock replaced? Y | |
| | |
| SURFACE SEAL | |
| Differential erosion around and under base? Y | 鼝≣毉 |
| Cracks? | |
| Slope to prevent ponding in immediate area? | |
| Broken? | |
| , | \$ ₹₩ |
| PVC CAP | |
| Schewed on? | (|
| Improved - How? | |
| Cut? | |
| | Depth to Betton |
| MEASURING POINT | |
| MEASURING POINT Marked? Describe: moler Top of Puc | <u>≃/o/</u> n. |
| LOOSE CASING | |
| Shake well on two different axes. | |
| Comments: | |
| Comments: | Measuring Point is |
| ADEA | Top of Well Casing |
| AREA , | Unless Otherwise Noted. |

Topography - In or near a low point or ditch? J

Ponded water around well?

Unless Otherwise Noted.

*Depth Below Measuring Pc



| PERFORMED BY | A. LaBory / | M. Wood |
|--------------|-------------|---------|
| DATE | A4 19. | 1993 |

| MONITORING WELL INTEGRITY I | FIELD | SURVEY |
|-----------------------------|-------|--------|
|-----------------------------|-------|--------|

| MONITORING DEEL IN FUNITY FIELD | SAUAET |
|---|---|
| SITE Volney Ladfill WELL VOW-11 LOCATION OSLITO Co. | |
| LOCATION MARKED ADEQUATELY Map location accurate? Yes Adequately flagged in hard to find areas? | Tin 27,6 LAND BURIACE |
| PROPERLY LABELED FOR QUICK IDENTIFICATION Outside Yes Inside No. | 99 |
| PROTECTION OF THE WELL Posts: How many? Type Visibility: Peinted Flagged | Well casing, Str., loss Ste |
| PROTECTIVE CASING (Above ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) groundinches | Depth to Water DRY |
| Locked to prevent unauthorized entry? 1/-5 Large gaps? No Fliptop cap? 1/-5 Rust? 1/-5 Screw cap? No Lock cut? 1/-5 Lock cut? 1/-5 Lock replaced? 1/-5 | |
| SURFACE SEAL Differential erosion around and under base? Cracks? Slope to prevent ponding in immediate area? Broken? | |
| PVC CAP Screwed on? Improved - How? Cut? | |
| MEASURING POINT MEASURING POINT MEASURING POINT MEASURING POINT | Depth to Cettam. |
| LOOSE CASING Shake well on two different axes. | •• |
| AREA | Measuring Point is Top of Well Casing Unless Otherwise No |

Topography - In or near a low point or ditch? MoPonded water around well?

asuring Point is p of Well Casing Unless Otherwise Noted.

stem loss stee

^{*}Depth Below Measuring P.



| PERFORMED BY | A. LiBo | gc/ | /m, C | Joseph |
|--------------|---------|-----|-------|--------|
| DATE | Acy | 19, | M93 | |

| AREA | Measuring Point is Top of Well Casing |
|--|---------------------------------------|
| LOOSE CASING Shake well on two different axes. | |
| MEASURING POINT Marked? Describe: moder / Top of JUC | Depth to Retton, 24,29. |
| Improved - How? Cut? | Peoth to Patton |
| PVC CAP SCO wed on? | |
| Slope to prevent ponding in immediate area? Broken? | |
| SURFACE SEAL N Differential erosion around and under base? N Cracks? | |
| , | |
| Locked to prevent unauthorized entry? Large gaps? Fliptop cap? Rust: Screw cap? Lock cut? Lock replaced? | |
| LOCKING CAR | |
| Concrete cap? Protective casing height (above) below) ground (inches) | 8,581. |
| PROTECTIVE CASING | cepth to Water |
| Posts: How many? Type Visibility: Feinted Flagged | ST- WOSS (TOU) |
| PROTECTION OF THE WELL | Well casing,inch diameter |
| PROPERLY LABELED FOR QUICK IDENTIFICATION Outside Inside | |
| Map location accurate? Y Adequately flagged in hard to find areas? N | N N |
| LOCATION MARKED ADEQUATELY | TIN 28 5 |
| SITE , Volky Lodfill WELL VOW-12 LOCATION Oxego Co | |
| | ZVIIXEL |
| MANITALINA TERESTILIZATION DE LA CONTRACTOR DE LA CONTRAC | MUTEL |

Topography - In or near a low point or ditch? 16 - Ponded water around well? 16

Unless Otherwise Noted.

*Depth Below Measuring P



AREA

Topography -

PERFORMED BY A. Laboye / M. Wood
DATE Buy 19, 1993

1 10 26,4 LAND SURFACE

Well casing,

Depth to Water

9,35 n.

Striless steel

| SITE WELL LOCATION CONCEPTO CO. LOCATION MARKED ADEQUATELY Map location accurate? 1/-5 Adequately flagged in hard to find areas? 1/-6 PROPERLY LABELED FOR QUICK IDENTIFICATION Outside 1/-5 PROTECTION OF THE WELL Posts: How many? Visibility: Funted Flagged PROTECTIVE CASING ADDRESS ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground LOCKING CAP Locked to prevent unauthorized entry? 1/-5 Large gaps? 1/-5 Rust: 1/-5 Rust: 1/-5 Screw cap? 1/-5 Rust: 1/-5 Rust: 1/-5 Rust: 1/-5 Screw cap? 1/-5 Rust: 1/-5 Screw cap? 1/-5 Rust: 1/-5 Screw cap? 1/-5 Rust: 1/-5 Rust |
|--|
| LOCATION MARKED ADEQUATELY Map location accurate? 1/-5 Adequately flagged in hard to find areas? 1/-5 PROPERLY LABELED FOR QUICK IDENTIFICATION Outside 1/5 Inside 1/-5 PROTECTION OF THE WELL Posts: How many? Type Visibility: Painted Flagged PROTECTIVE CASING Above ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground 26.4 inches LOCKING CAP Locked to prevent unauthorized entry? 1/-5 Large gaps? 1/-5 Rust: 1/-5 Screw cap? 1/-5 |
| LOCATION MARKED ADEQUATELY Map location accurate? 1/-5 Adequately flagged in hard to find areas? 1/-5 PROPERLY LABELED FOR QUICK IDENTIFICATION Outside 1/5 Inside 1/-5 PROTECTION OF THE WELL Posts: How many? Type Visibility: Painted Flagged PROTECTIVE CASING Above ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground 26.4 inches LOCKING CAP Locked to prevent unauthorized entry? 1/-5 Large gaps? 1/-5 Rust: 1/-5 Screw cap? 1/-5 |
| LOCATION MARKED ADEQUATELY Map location accurate? 1/-5 Adequately flagged in hard to find areas? 1/-5 PROPERLY LABELED FOR QUICK IDENTIFICATION Outside 1/5 Inside 1/-5 PROTECTION OF THE WELL Posts: How many? Type Visibility: Painted Flagged PROTECTIVE CASING Above ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground 26.4 inches LOCKING CAP Locked to prevent unauthorized entry? 1/-5 Large gaps? 1/-5 Rust: 1/-5 Screw cap? 1/-5 |
| LOCATION MARKED ADEQUATELY Map location accurate? %-5 Adequately flagged in hard to find areas? //> PROPERLY LABELED FOR QUICK IDENTIFICATION Outside / |
| Map location accurate? 1/-5 Adequately flagged in hard to find areas? 1/-6 PROPERLY LABELED FOR QUICK IDENTIFICATION Outside 1/-5 Inside 1/-6 PROTECTION OF THE WELL Posts: How many? Type Visibility: Fainted Flagged PROTECTIVE CASING Above ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground 26.4 inches LOCKING CAP Locked to prevent unauthorized entry? 1/-5 Large gaps? 1/-6 Fliptop cap? 1/-5 Rust: 1/-5 Screw cap? 1/-6 |
| Map location accurate? 1/-5 Adequately flagged in hard to find areas? 1/-6 PROPERLY LABELED FOR QUICK IDENTIFICATION Outside 1/-5 Inside 1/-6 PROTECTION OF THE WELL Posts: How many? Type Visibility: Fainted Flagged PROTECTIVE CASING Above ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground 26.4 inches LOCKING CAP Locked to prevent unauthorized entry? 1/-5 Large gaps? 1/-6 Fliptop cap? 1/-5 Rust: 1/-5 Screw cap? 1/-6 |
| PROPERLY LABELED FOR QUICK IDENTIFICATION Outside 1/5 Inside 1/5 PROTECTION OF THE WELL Posts: How many? Type Visibility: Punted Flagged PROTECTIVE CASING Above ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground 26.4 inches LOCKING CAP Locked to prevent unauthorized entry? 1/-5 Large gaps? 1/-5 Rust: 1/-5 Screw cap? 1/-5 |
| PROPERLY LABELED FOR QUICK IDENTIFICATION Outside 1/5 Inside 1/5 PROTECTION OF THE WELL Posts: How many? |
| PROTECTION OF THE WELL Posts: How many? Type Visibility: Fainted Flagged PROTECTIVE CASING Above ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground 26, 4 inches LOCKING CAP Locked to prevent unauthorized entry? 1/-5 Large gaps? No Fliptop cap? 1/-5 Rust: 1/-5 Screw cap? No |
| PROTECTION OF THE WELL Posts: How many? Type Visibility: Fainted Flagged PROTECTIVE CASING Above ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground 26, 4 inches LOCKING CAP Locked to prevent unauthorized entry? 1/-5 Large gaps? No Fliptop cap? 1/-5 Rust: 1/-5 Screw cap? No |
| Posts: How many? |
| Posts: How many? |
| Visibility: Painted Flagged PROTECTIVE CASING Above ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground 26, 4 inches LOCKING CAP Locked to prevent unauthorized entry? 1/-5 Large gaps? 1/-> Rust: 1/-> Screw cap? 1/-> |
| PROTECTIVE CASING Above ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground 26,4 inches LOCKING CAP Locked to prevent unauthorized entry? 1/-5 Large gaps? 1/-> Rust: 1/-> Screw cap? 1/-> |
| PROTECTIVE CASING Above ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground 26,4 inches LOCKING CAP Locked to prevent unauthorized entry? 1/-5 Large gaps? No Fliptop cap? 1/-5 Rust: 1/-5 Screw cap? No |
| Concrete cap? Protective casing height (above, below) ground concrete cap? Protective casing height (above, below) ground concrete cap? Locked to prevent unauthorized entry? Large gaps? No Fliptop cap? Rust: Screw cap? No |
| Concrete cap? Protective casing height (above, below) ground 26,4 inches LOCKING CAP Locked to prevent unauthorized entry? 1/-5 Large gaps? No Fliptop cap? 1/-5 Rust: 1/-5 Screw cap? No |
| LOCKING CAP Locked to prevent unauthorized entry? 1/-5 Large gaps? 1/-5 Rust: 1/-5 Screw cap? 1/-5 |
| LOCKING CAP Locked to prevent unauthorized entry? 1/-5 Large gaps? 1/-5 Rust: 1/-5 Screw cap? 1/-5 |
| Locked to prevent unauthorized entry? 1/-5 Large gaps? 1/-5 Rust: 1/-5 Screw cap? 1/-5 Rust: 1/-5 |
| Locked to prevent unauthorized entry? 1/-5 Large gaps? 1/-5 Rust: 1/-5 Screw cap? 1/-5 Rust: 1/-5 |
| Large gaps? No Fliptop cap? Yes Rust: Yes Screw cap? No |
| Rust: 1/2 Screw cap1 1/6 |
| Last and the Last and the Vec |
| Lock cut? Yes Lock replaced? Yes |
| SURFACE SEAL |
| Differential analysis and under head? |
| Cracks? |
| Slope to prevent ponding in immediate area? |
| Broken? |
| PVC CAP |
| (Scr)swed on? |
| Improved · How? |
| Cut? |
| MEASURING POINT |
| Marked? Describe: Marker / Top of AC |
| |
| LOOSE CASING Shake well on two different axes. |
| Comments: Secure |

In or near a low point or ditch? M. Ponded water around well? M.

Depth to Retton 12,22 n. Measuring Point is Top of Well Casing Unless Otherwise Noted. *Depth Below Measuring Pc

| M Field Office TEL NO.315-592-2 MILLER, INC. Environmental Services | 2150 ERFORMED BY DATE | Dec 17,93 117 12/16/95 | 8:50 P.03 |
|--|-----------------------------|------------------------------|--|
| MONITORING WELL II SEE WELL LOCATION LOCATION MARKED ADEQUATELY Map location accurate? Adequately flagged in hard to find areas? PROPERLY LABELED FOR QUICK IDENTIFICATION Outside No | | Y 10 | 2.5 AND SURFACE Vell oasing, inch diamete |
| ROTECTIVE CASING Above ground or flush with surface? (circle one Concrete cap?) Protective casing height (above, below) ground LOCKING CAP Locked to prevent unauthorized entry? Large gapa? Fliptop cap? Rust? Screw cap? Lock cut? Lock replaced? | 7644 | 4 | pth to Woter Solution |
| BURFACE SEAL Differential erosion around and under base? Cracka? Slope to prevent ponding in immediate area? Broken? PVC CAP Screwed on? Improved - How? Cut? | N Reaved | | |
| MEASURING POINT Winked? Describe: Top & PVC | Riser | | Repth to Bottom |
| Shake well on two different axes. Shardy Comments: AREA Topography - In or near a low point or dites - Ponded water around well? | his Held b. | 1051 | easuring Point is op of Well Casing nless Otherwise Noted. Depth Below Measuring Po |



| PERFORMED BY | A. LaBoge | m. Wood |
|--------------|-----------|---------|
| DATE | August 1 | 1 1993 |

MONITORING WELL INTEGRITY FIELD SURVEY

| 1/1-1/ (0-1) [1] | |
|--|---------------------------------------|
| SITE VINCY COUTIN | |
| WELL WW-18 | |
| SITE Voly Ladfill WELL LOCATION OSCICYOG | |
| • | |
| | $\int \int \gamma_{1n} 3/.2$ |
| LOCATION MARKED ADEQUATELY | A LAND SURFACE |
| Map location accurate? y | YI VI |
| Adequately flagged in hard to find areas? | ИИ |
| | ИИ |
| PROPERLY LABELED FOR QUICK IDENTIFICATION | [A [A |
| Outside Inside | ra ra |
| | ra Ki |
| PROTECTION OF THE WELL | Well casing, |
| Posts: How many? O Type | inch diamete |
| Visibility: Punted | N N - 55 |
| • | [4] [4] |
| Flagged | [7] [8] |
| BROTECTIVE CACING | YAYA and to class |
| PROTECTIVE CASING | Depth to Water |
| 650ve ground or flush with surface? (circle one) | $V V I_0 V_2$ |
| Concrete cap? Protective casing height (above, below) ground $\frac{31}{100}$ inches | 1 10/1- N. |
| Protective casing height (above, below) ground inches | |
| 1.00 | |
| LOCKING CAP | |
| Locked to prevent unauthorized entry? | 麗 |
| Large gaps?ル Fliptop cap?Y | 3 数 |
| Rusti y Screw capi N | 2 |
| Large gaps? // Fliptop cap? // Rust: / Screw cap? // Lock cut? y Lock replaced? // | |
| | |
| SURFACE SEAL | |
| Differential erosion around and under base? | 羅三蘇 |
| Cracks? | |
| Slope to prevent ponding in immediate area? | |
| Broken? | · · · · · · · · · · · · · · · · · · · |
| | |
| PVC CAP | |
| Screwed on? | 3 ≡ 3 1 |
| Improved - How? | |
| Cut? | |
| | المريال و |
| MEASURING POINT | Depth to Betton |
| Marked? Describe: maker Top of pre | 17.2 n· |
| Alexand Describer | 1/1- N. |
| LOOSE CASING | |
| Shake well on two different aves | |
| Shake well on two different axes. Comments: | |
| Continionits. | Measuring Point is |
| ADEA | Top of Well Casing |
| AREA | Unless Otherwise Noted |

Topography - In or near a low point or ditch? N

- Ponded water around well? N

Unless Otherwise Noted.

*Depth Below Measuring Pa



| PERFORMED BY | A. LoBure | m. Wood |
|--------------|-----------|---------|
| DATE | August 19 | . 1993 |

| MONITORING WELL INTEGRITY FIELD SURVEY | |
|---|---|
| SITE Volvey Lodfill WELL Way - 17 LOCATION OSUEGO G | · .22 .64 |
| LOCATION MARKED ADEQUATELY Map location accurate? Adequately flagged in hard to find areas? PROPERLY LABELED FOR QUICK IDENTIFICATION Outside | -Well casing, -3 inch diameter, |
| Protective casing height (above, below) ground inches LOCKING CAP Locked to prevent unauthorized entry? y Large gaps? N Fliptop cap? Y | Depth to Water 11.37_n. |
| Rust: Screw cap? V Lock cut? Lock replaced? Y SURFACE SEAL Differential erosion around and under base? Cracks? None Slope to prevent ponding in immediate area? Broken? | |
| PVC CAP Solewed on? Improved - How? Cut? MEASURING POINT Marked? Describe: Market Top of pvc | Depth to Bottom |
| Shake well on two different axes. Comments: Security AREA Topography - In or near a low point or ditch? | Measuring Point is Top of Well Casing Unless Otherwise Noted. |
| - Ponded water around well? | *Depth Below Measuring Poir |



| PERFORMED BY | A. La Burge/ | n wood |
|--------------|--------------|--------|
| DATE | August 19 | , 1113 |

MONITORING WELL INTEGRITY FIELD SURVEY

| 2 // in | SITE Volvey Loofill WELL WW- 17A LOCATION OSWAYO G |
|----------------|---|
| | LOCATION MARKED ADEQUATELY |
| | Map location accurate? Y Adequately flagged in hard to find areas? |
| *** | PROPERLY LABELED FOR QUICK IDENTIFICATION Outside Inside |
| ** | PROTECTION OF THE WELL Posts: How many? O Type |
| ** | Visibility: Fanted Flagged |
| 30 | PROTECTIVE CASING Above ground or flush with surface? (circle one) Concrete cap? Protective casing height (above, below) ground inches |
| sán | Locked to prevent unauthorized entry? |
| - | Large gaps? μ Fliptop cap? √ Rust: y Screw cap? μ Lock cut? y Lock replaced? Υ |
| 100 | SURFACE SEAL Differential erosion around and under base? Cracks? |
| ** | Slope to prevent ponding in immediate area? Broken? |
| 198 | PVC CAP Screwed on? Improved - How? Cut? |
| 100 | MEASURING POINT Marked? Describe: |
| *** | LOOSE CASING Shake well on two different axes. Comments: |
| -110 | AREA Topography - In or near a low point or ditch? N |
| 400 | - Ponded water around well? M |

7 1n 28.44 Well casing, Inch diameter, Depth to Water 5.47 no Depth to Rottom 16.95

> Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Measuring Poir

APPENDIX C WELL CONSTRUCTION LOGS

APPENDIX C

WELL CONSTRUCTION LOGS

GW-SERIES



(UNCONSOLIDATED)

| / Amm | - | Project | Well |
|---------------|--|--|---------------|
| | 1+2 Tft | Town/City Volney | |
| . | LAND SURFACE | CountyOshego | StateNew York |
| | ИИ | Permit No | |
| : *** | 3 3/4 inch diameter | Land-Surface Elevation | |
| | N N annea noie | and Datumfeet | ☐ Surveyed |
| | Well casing, | | ☐ Estimated |
| 11 110 | 2 inch diameter, Schedule 40 PVC | Installation Date(s) | |
| | V 1 V 1 ——————————————————————————————— | Drilling Method | |
| :461 | Backfill Cement/Bentonite | Drilling Contractor Parratt Wolff | |
| | ИИ | Drilling FluidNone | |
| 36 | 4_ft· | | |
| | Bentonite ☐ slurry | Development Technique(s) and Date(s) | |
| _ | 6 ft Dellets | | |
| _ | | | |
| | | Fluid Loss During DrillingNone | on Hono |
| *** | | Water Removed During Development | _ |
| | Well Screen. | Static Depth to Water | _ |
| • | | Pumping Depth to Water | |
| | | Pumping Duration hours | |
| ** | | Yieldgpm | Date |
| | Gravel Pack Sand Pack | Specific Capacityg | pm/ft |
| .eesi | Formation Collapse | Well Purpose | |
| - | | Ground-Water Monitoring Well | |
| | 18ft• | | |
| <₩ | 18 ft* | Remarks | |
| | | Depth to Water at approximately 8 feet | |
| • | | | |
| | Measuring Point is | | |
| 188 | Top of Well Casing Unless Otherwise Noted. | | |
| | Offices Office wise Moteu. | | |
| | *Depth Below Land Surface | | |
| · 201 | | Prepared byA. LaBarge | |



TEST BORING LOG

DATE COMPLETED

FISHER ROAD EAST SYRACUSE, N.Y 1305/

TOBICAR

Oswego Valley Landfill Volney, New York

HOLE NO. CW-7R

SURF. EL.

LOCATION

DATE STARTED

7/17/85

7/17/85

85125 JOB NO.

GROUND WATER DEPTH WHILE DRILLING Dry

NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING 30" — ASTM D-1586, STANDARD PENETRATION TEST

REMOVED

BEFORE CASING

Dry

Dry

C - NO. OF BLOWS TO DRIVE CASING 12" WI "/OR - % CORE RECOVERY

CASING TYPE - HOLLOW STEM AUGER

HAMMER FALLING

AFTER CASING REMOVED

SHEET 1 OF 1

| DUPTH | SAMPLE DEPTH | SAMPLE | С | SAMPLE DRIVE RECORD PER 6" | N | DESCRIPTION OF MATERIAL | STRATA CHANGE DEPTH |
|--------------|---------------------|--------|---|-------------------------------------|---|--|---------------------------|
| | | | | | | Well dry at -10.2', moved shead 5.0', drilled to -15.0' without sampling | |
| 5.0 | | | | | | | |
| 10.0 | | | | | | | |
| 15.0 | 15.0 ⁷ - | 1 | | 80 | | Brown dry to moist very dense fine to coarse SAND, little silt, little fine gravel | 12.0 |
| 20. 0 | 20.0'- 20.5' | 2 | | 109 | 1 | Red-brown dry very dense fine to coarse SAND and fine to coarse GRAVEL, little silt Bottom of Boring | 18.0' |
| 25.0 | - | | | | | Note: Installed 2" P.V.C. screen -20.0' to -5.0', riser to +3.0' with locking cover. | |
| | | | | | | | |
| | | | | | | | |
| | - | | | | | | |



TEST BORING LOG

Oswego Valley Landfill PROJECT

Volney, New York

30" - ASTM D-1586, STANDARD PENETRATION TEST

NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING

DATE STARTED

LOCATION

7/16/85

DATE COMPLETED

PARRATT

7/16/85

HOLE NO. CW-8R

EAST SYRACUSE, N.Y 1305/

SURF. EL.

JOB NO. 85125

GROUND WATER DEPTH WHILE DRILLING 36.5'

BEFORE CASING

REMOVED

36.5

C - NO. OF BLOWS TO DRIVE CASING 12" W/ "/OR - % CORE RECOVERY

HAMMER FALLING

AFTER CASING REMOVED

33.7

DASING TYPE - HOLLOW STEM AUGER

SHEET 1 OF 1

| DEPTH | SAMPLE DEPTH | SAMPLE | | SAMPLE DRIVE RECORD PER 6" | N | DESCRIPTION OF MATERIAL | STEATA CHANGE DEPTH |
|------------------------|-----------------|--------|---|-------------------------------------|----|--|---------------------------|
| | | | | | | Brown dry to moist fine to coarse CRAVEL, some fine to coarse sand, trace silt, trace cobbles | a. |
| 5.0 | 5.01- 6.51 | | | 3/4 | 8 | Brown dry to moist loose coarse to fine SAND, some fine gravel, trace silt | 4.5 |
| 10.0 | 10.0'- | 2 | | 2/3 | | Brown dry loose coarse to fine SAND | 10.0 |
| 15.0 | 11.5 | | | 6 | 9 | Brown dry very dense coarse to fine CRAVEL and coarse to fine SAND, | 13.5 |
| | 15.0'- 16.5' | 3 | | 20/31 | 80 | A second that the second secon | |
| 20.0 | 20.0°- | 4 | | 36/36 | 64 | | 23.0 |
| 25.0 | 25.0'- 26.5' | 5 | | 13/15 | 38 | Brown moist dense fine SAND, little silt Note: Installed 2" P.V.C. screen -36.0" | 1 |
| 30.0 | | | | | | locking cover. | 30.5 |
| | 30.0'- | 6 | | 11/14 | 34 | Brown wet dense fine SAND | •• |
| 35.0 WL_ Y _ | 35.0'- 36.5' | 7 | - | 10/10 | 27 | Brown wet medium dense fine SAND, little silt, trace fine gravel | 35. |
| | | | | | - | Bottom of Boring | 36. |

(UNCONSOLIDATED)

| • | | | | County - Volney L | andfill | Well GW-18R |
|--|--|---------------------|---------------|-------------------|----------------|-----------------|
| | ^ | Town/City | | | | |
| 4 | \(\) \(\) \(\) = \(\) | | Oswego | | Sta te | New York |
| | Land Surface | Permit No. | • | | | |
| | | Land-Surface | e Elevation | | | |
| _ | 6_ inch diameter | and Datum | | feet | | Surveyed |
| _ | drilled hol e | | | | | Estimated |
| | | Installation [| Date(s) | 4/30/90 | | |
| rar | Well Casing | Drilling Meth | nod | Auger | | |
| | 2 inch diameter, | Drilling Cont | | Parratt-Wolf | ff | |
| | PVC | | | | | |
| 95 | | | | | | |
| | | Developmen | t Techniqu | e(s) and Date(s) | | |
| | Backfill | • | • | water to wash ho | ole to set cas | sina |
| = | X Grout Cement | | <u> </u> | | | |
| | | | | | | |
| | 3.0 ft.* | Fluid Loss D | urina Drillir | na | | gallons |
| • | | | - | Development | | gallons |
| | Bentonite slurry | Static Depth | | | • | feet below M.P. |
| | 5.3 ft. • pellets | Pumping De | | ~- | | feet below M.P. |
| • | | | | | | |
| | 004. | Yield | | | Date 110013 | |
| | 8.0 ft. • | | | | | |
| i d | Well Comes | Specific Cap | | | gpiii/it. | |
| | Well Screen | \A/all Burnes | | | | |
| | 2 inch diameter | Well Purpos | e | nonitoring | | |
| ··· | PVC 10 slot | | | | | |
| | | | | | | |
| | Gravel Pack | | _ | | | |
| - | X Sand Pack | Remarks | _ | B bags of sand | | |
| | Formation Collapse | | | bucket of pellet | | |
| | | | | B bags cement wi | th bentonite | powder |
| | 18.25 ft. | | | | | |
| | | | | | | |
| | 18.25 ft. | <u> </u> | | | | |
| • | | <u> </u> | | | | |
| | Measuring Point is | | | | | |
| | Top of Well Casing | | | | | |
| ************************************** | Unless Otherwise Noted. | | | | | |
| | | II | | | | |
| | Depth Below Land Surface | Prepared by | / <u> </u> | M. Ednie | | |

APPENDIX C

WELL CONSTRUCTION LOGS

SGW-SERIES

| ₃ 万 。 □ | Project N7760C3 Well SCW-26 |
|--|--|
| LAND BURPICE | Town/City Volney |
| B B | County Oswego State New York |
| 8 inch dissets | Permit No. |
| drilled hole | Land-Surface Elevation |
| N K | and Datum 467.24 feet Surveyed |
| Well casing, 2 inch disacte: Sched. 40, PVC | mean sea level |
| | |
| Backfill Grout | Drilling Method Auger Parrett Wolff |
| | Drilling Contractor Parrett Wolff |
| ИИ от | Drilling Fluid None |
| orto | |
| Bentonite ⊠slurry 2 rt □ pellets | Development Technique(s) and Date(s) |
| | centrifugal pump and bailing |
| | |
| 5 n. | Fluid Lost During Drilling gallon |
| | Water Removed During Developmentgallon |
| -Well Screen, | Static Depth to Waterfeet below M.F |
| PVC 10 slo | |
| ※三 : | Pumping Durationhours |
| Gravel Pack | Yieldgpm Date |
| Sand Pack 40 | Specific Capacitygpm/ft |
| Gravel Pack Sand Pack 40 Formation Collapse | Well Purpose |
| 25 ft• | |
| Professional Community (Community of the Community of th | Remarkspumped dry twice |
| | Remarks |
| • | |
| Measuring Point is Top of | |
| Well Casing Unless Other- | |
| wise Noted. | |
| *Depth Below Land Surface | |
| Calin Satisfa | Joseph T. Gurrieri |

| Project |
|--|
| Town/City Volney |
| County Oswego State New York |
| Permit No. |
| Land-Surface Elevation |
| and Datum 473.04 feet Surveyed |
| mean sea level |
| Installation Date(s) 1 5-84 |
| Drilling Method Auger |
| Drilling Contractor Parratt Wolff |
| Drilling Fluid Hone |
| |
| Development Technique(s) and Date(s) 12-6-84 |
| centrifugal pump and bailing |
| Central pump and barring |
| Fluid Lost During Drilling gallons |
| Water Removed During Developmentgallons |
| Static Depth to Waterfeet below M.P |
| Pumping Depth to Waterfeet below M.P |
| 1 |
| Pumping Durationhours |
| Yieldgpm Date |
| Specific Capacitygpm/ft |
| Well Purpose |
| |
| Remarks water was clear after developing. |
| Well never pumped dry. |
| |
| |
| |
| |
| • |
| |

Prepared by Joseph T. Gurrieri

| 2 re | Project N7760C3 Well SGW-278 |
|--|--|
| LAMO REPORT | Town/City Volney |
| $\alpha \alpha = 1$ | County Oswego State New York |
| 8 inch diameter | Permit No. |
| drilled hole | Land-Surface Elevation |
| 13 15 | and Datum 472.50 feet Surveyed |
| Well casing, _2inch dismeter, | mean sea levelestimated |
| Sched. 40. PVC | Installation Date(s) 12-5-04 |
| Backfill | Drilling Method |
| S Grout cement | Drilling Contractor Parratt Wolff |
| N N | Drilling Fluid None |
| 16_ft+ | |
| Bentonite slurry 18 pt pellets | Development Technique(s) and Date(s) 12-5-84 |
| | centrifugal pump and bailing |
| | |
| | Fluid Lost During Drilling gallons |
| 20.4 n.• | Water Removed During Developmentgallons |
| Well Screen. | Static Depth to Waterfeet below M.P. |
| 2 inch diameter | Runalas Baseh to Vater fact halow M.D. |
| PVC , 10 elot | Pumping Durationhours |
| Gravel Pack | Yieldgpm Date |
| Sand Pack 4Q | Specific Capacitygpm/ft |
| Formation Collapse | Well Purpose |
| | |
| 35.4 rt• | |
| 37 re• | Remarks water was clear after developing. |
| | Well never pumped dry. |
| | |
| Measuring Point is Top of | |
| Well Casing Unless Other- wise Noted. | |
| | |
| *Depth Below Land Surface | |

Prepared by _____Joseph T. Gurrieri

(UNCONSOLIDATED)

| | | Project | Osweg | County - Voiney | <u>Landfi</u> ll | Well SGW-28R |
|----------------|--------------------------|-------------------|-------------|---------------------|--|-----------------|
| | | Town/City | Volney | | | |
| * | ↑ 2 ft. | County | Osweg | 0 | Stat e | New York |
| | Land Surface | Permit No. | | | _ | |
| | | Land-Surface | e Elevation | on | | |
| * | 6 inch diameter | and Datum | | feet | | Surveyed |
| | drilled hole | | | | | Estimated |
| | | Installation [| Date(s) | 4/30/90 |) | · |
| me. | Well Casing | Drilling Meth | | Auger | | |
| | 2 inch diameter, | | | Parratt-Wo | lff | |
| | PVC | | | | | |
| * | | | | | | |
| | | Developmen | t Techni | que(s) and Date(s) | | |
| | Backfill | • | | e with ~ 50 gallon: | | ; |
| | X Grout | | | | | |
| | | | | | | ····· |
| | 3.0 ft.* | Fluid Loss D | Ouring Dr | illing | | gallons |
| 400 | | Water Remo | oved Dur | ng Development | ······································ | gallons |
| | Bentonite slurry | Static Depth | | = - | | feet below M.P. |
| 40 | 5.0 ft. * X pellets | | | /ater | | feet below M.P. |
| | | | | | | |
| | 7.0 ft.* | | | gpm | | |
| ** | | | | _ 0, | | |
| | Well Screen | , , | , | | 0, | |
| | 2 inch diameter | Well Purpos | ie. | monitoring | | |
| ie. | PVC 20 slot | , ,,,,,, | | | . , | |
| | | | | | | |
| | Gravel Pack | | <u> </u> | | | _ |
| | X Sand Pack | Remarks | | 3 bags of q-rock | size 3 sand | |
| | Formation Collapse | 11011101110 | | 1 bucket of pelle | | <u> </u> |
| | | | | 3 bags cement w | | grout |
| *** | 22.0 ft. | | | | | 9 |
| | | | | used screen from | n original well | |
| | 22.0 ft. | | | | | |
| 30 | | | | | | |
| | Measuring Point is | | - | | | |
| | Top of Well Casing | | | , | | |
| new . | Unless Otherwise Noted. | | | | | |
| | | Bron d &- | | M. Ednia | | |
| ** | Depth Below Land Surface | Prepared by | у | M. Ednie | | |
| | | | | | | |

| 3 ^T 0 | Project N7760C3 Well SGW-29 |
|---|--|
| LANG BIRPAGE | Town/City Volney |
| ИИ | County Oswego State New York |
| | Permit No. |
| drilled hole | Land-Surface Elevation |
| Well casing. | and Datum 455.42 feet surveyed |
| 2_inch disseter | mean sea level estimated |
| Sched. 40. PVC | Installation Date(s) 12-7-84 |
| Backfill Grout | Drilling Method Auger |
| | Drilling Contractor Parratt Wolff |
| 0 120 | Drilling Fluid None |
| 2 | Tools I would be a second by the second by t |
| E Bentonite ⊠slurry E | Development Technique(s) and Date(s) |
| | |
| | |
| 5 n· | Fluid Lost During Drilling gallon: |
| | Water Removed During Developmentgallon: |
| Well Screen, | Static Depth to Waterfeet below M.P |
| 2 inch dismeter PVC 10 slo | I Dimenia Dante to Ustar |
| | Pumping Durationhours |
| Gravel Pack | Yieldgpm |
| Sand Pack 40 Formation | Specific Capacitygpm/ft |
| Collapse | Well Purpose |
| 20 _{ft} • | |
| | |
| • | Remarks |
| | |
| Manager Balak in Tan an | |
| Measuring Point is Top of Well Casing Unless Other- | |
| wise Noted. | |
| *Depth Below | |
| Land Surface | |

Joseph T. Gurrieri

| <u> </u> | Project N7760C3 | We 11 SGW-30A |
|---|-------------------------|--------------------|
| LAND HURFACE | Town/Clty Volney | |
| N N | County Dawago | State New York |
| 8 inch diameter | Permit No | |
| drilled hole | Land-Surface Elevation | |
| Well casing, | and Datum 454.13 feet | ⊠ surveyed |
| _2_inch diameter, | mean sea level | ☐estimated |
| Sched 40, PVC | | 12-7-04 Augus |
| ☐ Backfill ☐ Groutcameat | Drilling MethodPr | nuder |
| | | |
| 1.5100 | Drilling Fluid None | |
| Bentonite slurry | Development Technique(s |) and Date(s) |
| 2_sno pellets | | |
| | | |
| | | |
| 4 n. | 1 | linggallor |
| | 1 | evelopmentgallor |
| Well Screen, inch diameter | 1 | feet below H. |
| _ <u>PYC,_10</u> | | feet below M. |
| Gravel Pack | Pumping Duration gpt | |
| Sand Pack 40 | Specific Capacity | • |
| Formation Collapse | | gp/ 1 C |
| | · · | |
| | | |
| 20 _{ft} • | Remarks | |
| | | |
| | | |
| Measuring Point is Top of Well Casing Unless Other- | | |
| wise Noted. | | |
| *Depth Below | | |
| Land Surface | | Joseph T. Gurrieri |

| 2 m □ | Project N7760C3 Well SGW-308 |
|---|--|
| LAND REPACT | Town/City Volney |
| ИИ | County Oawago State New York |
| Linch dismeter | Permit No. |
| drilled hole | Land-Surface Elevation |
| Well casing, | and Datum 453.37 feet Surveyed |
| ✓ _2_inch diameter, | mean sea level |
| Sched 40 PVC Sched 40 PVC Seckfill | Installation Date(s) 12-3-84 |
| Grout | Drilling Method Auger |
| ИИ | Drilling Contractor Parratt Wolff |
| o re- | Drilling Fluid None |
| Bentonite Dellary | Development Technique(s) and Date(s) 12-4-84 |
| 2 12 ft □ pellets | centrifugal pump and bailing |
| | Contract of the contract of th |
| 14 n. | Fluid Lost During Drilling gallon |
| | Water Removed During Developmentgallon |
| -Well Screen, | Static Depth to Waterfeet below M.P |
| 2_inch dismeter PVC, 10elot | Pumping Depth to Waterfeet below M.P. |
| | Pumping Durationhours |
| Gravel Pack Sand Pack 40 | Yieldgpm Date |
| Formation | Specific Capacitygpm/ft |
| Collapse | Well Purpose |
| | |
| | Remarks steady yield during development |
| | |
| | |
| Measuring Point is Top of Well Casing Unless Other- | |
| wise Noted. | |
| *Depth Below | |

Joseph T. Gurrieri

30" — ASTM D-1586, STANDARD PENETRATION TEST

BEFORE CASING
REMOVED

O - NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING

- NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FA "/OR -- % CORE RECOVERY

HAMMER FALLING
AFTER CASING
REMOVED

3.0t

12.4

CABING TYPE - HOLLOW STEM AUGER

SHEET 1 OF 1

| | | | | | • | | |
|--------------|-----------------|------------------------|--------------|-------------------------------------|---------------|--|---------------------------|
| биртн | SAMPLE DEPTH | SAMPLE | С | SAMPLE DRIVE RECORD PER 6* | N | DESCRIPTION OF MATERIAL | STRATA CHANGE DEPTH |
| | _ | | | | | TOPSOIL | ļ |
| WI 🖤 | - | | | | | Brown wet SILT, little clay, trace | 2.0 |
| ··· | | | | | | fine to medium sand | 4 . 51 |
| 5.0 | <u> </u> | | - | | | Brown wet very stiff SILT, trace fine | |
| | 5'-5.5 | | | 7/8 | | to medium sand | 5.5 |
| | 5.51-6 | | | 8 | 16 | Brown-black wet medium dense WOOD, | |
| | 6'-6.5 | TC | | | ! | Brown wet medium dense fine to medium | . 6. Oʻ |
| 10.0 | | ∤ · · · · - · - | | | \ ·- | SAND, little silt | 8.0' |
| • | 10.0'- | 2 | | 21/20 | | Brown moist dense fine to coarse SAND. | 0.0 |
| | 11.5 | | | 20 | 40 | little silt, little fine gravel | 12.01 |
| | | | | | ļ | Brown moist hard SILT and fine to | • |
| 15.0 | - | ļ | | | | coarse SAND, trace fine to coarse | |
| , 1.0 | 15.01- | 3 | | 40/35 | ┥ | gravel | |
| | 16.2 | ┤~ — | | 502 | 1 | Bottom of Boring | |
| | | : | ! | <u> </u> | ! | Bottom of Botting | 16.21 |
| 20. 0 | • | | | | | Note: Installed 2" P.V.C. screen -15.0 to -5.0', riser to +3.0' with | it |
| | 1 | 1 | <u> </u> | | - | locking cover. | |
| | | | İ | | | | |
| | | | - | | | | |
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TEST BORING LOG

FISHER ROAD EAST SYRACUSE, N Y 13057

PROJECT

Oswego Valley Landfill

NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING

LOCATION

Volney, New York

30" - ASTM D-1586, STANDARD PENETRATION TEST

DATE STARTED

7/16/85

DATE COMPLETED

7/17/85

SCW-34 HOLE NO.

SURF. EL.

JOB NO.

85125

GROUND WATER DEPTH

WHILE DRILLING

BEFORE CASING

REMOVED

5.2"

HAMMER FALLING

AFTER CASING REMOVED

At surfac

CASING TYPE - HOLLOW STEM AUGER

C - NO. OF BLOWS TO DRIVE CASING 12" WI

*/OR - % CORE RECOVERY

SHEET 1 OF 1

| СРТН | SAMPLE DEPTH | SAMPLE | С | SAMPLE DRIVE RECORD PER 6" | N | DESCRIPTION OF MATERIAL | STRAT CHANC DEPTH |
|--------------|-----------------|--------|---------------|-------------------------------------|----|--|-------------------------|
| | | | | | | TOPSOIL | 1. |
| | | | | | | Brown wet fine to coarse SAND, little silt, trace fine gravel | 4. |
| 5. CW WL | 5'-6' 6.0'- | 1/4 | | 5/22 | 65 | Brown wet medium dense fine to coarse SAND, some silt, little fine gravel | a. |
| | 6.5 | | | 43 | | Brown moist very dense fine to coarse SAND, little silt, little fine gravel | |
| 10.0 | 10.0'- | 2 | | 42/80 | | Brown-red moist very dense fine to coarse SAND, some fine to coarse gravel, little silt | 10. |
| 15.0 | 15.0'- 16.0' | 3 | | 53/75 | | | |
| 20. 0 | 20.0'- | 4 | 1 | 44/80 | | | |
| | 21.0 | | | | - | Bottom of Boring | |
| 25.0 | | | | | | Note: Installed 2" P.V.C. screen -20.3 to -5.3', riser to +3.0' with locking cover. Water depth with casing @ 20.0' for 1 hours - 16.8'; 12 hours - 5.2'. | • |
| | · - | | | | | | |
| | | | : | | | | |
| | | - | <u></u> ┼─ | | | | |
| | 1 | | 1 | 1 | | | |

APPENDIX C WELL CONSTRUCTION LOGS VBW-SERIES

DUNN GEOSCIENCE CORPORATION



5 Northway Lane North Latham, NY 12110

1111111 518/783-8102

| Project: | Volney Landfill |
|------------|-----------------------|
| Client: | UAS |
| Project 1: | 553-3-4337 |
| | BW-1 |
| Date Drill | ed: 1/18/86 - 1/19/86 |
| Date Devel | oped: 2/4/86 |

| CONSTRUCTION DETAIL | |
|---|--|
| WELL DIAGRAM | |
| | |
| ■ | Inspector: Gordon M. Stevens |
| 18 (18 P) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | |
| Concrete | Type of Well Monitoring Static Water Level 20.54 Date 4/1/86 |
| Concrete 2 1 - 1.5 | Static Water Level 20.54 Date 4/1/86 |
| 1 111 111 | Measuring Point * Total Depth of Boring 28.0 |
| 1 14 14 | Well Point Death |
| | Drill Casine |
| | Type HSA Diameter 4½" ID Length Haterial |
| 1/1 1.1 | |
| Formational | Sampling Type SS Diameter 2" |
| Collapse Z | Weight 140 lbs. Fall 30" |
| | Interval Standard |
| | Pipe Left in Place |
| 11 11 | Material \$S Diameter 2" Length 30.3 Joint Type Flush |
| | Length 30.3 Joint Type Flush |
| Bentonite 0 - 12.5 | Screen Material SS Diameter 2" |
| Pellets Z | Slot Size 10 Interval 16.4 - 26.5 |
| | Stratigraphic Unit Screened sand & gravel |
| | Packing Same |
| H H - 15.0 | Sund 0 grade Gravel Natural Amount Interval 15.0 - 26.5 |
| | Seal |
| | Typeent. Pellets Interval 12.5 - 15.0 |
| 16.4 | |
| | Locking Casine Yes X No |
| Sandpack Z | Notes: |
| | * Static water level measuring point is top |
| | of riser. Well construction depths are from grade. |
| | riom Brade. |
| | |
| | ÷ |
| · <u> </u> | |
| | |
| -26.5 | |
| Formational Collapse 2 | |
| 7, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | |

DUNN GEOSCIENCE CORPORATION 5 Northway Lane North Latham, NY 12110

[PIIIII 518/783-8102

...

....

... 1

| Project: | Volney Landfill | |
|------------|-----------------|--|
| Client: | URS | |
| Project 1: | 553-3-4337 | |
| Well #: | BW-2 | |
| Date Drill | ed: 1/21/86 | |
| Date Devel | op+d: 2/4/86 | |

| CONSTRUCTION DETAIL WELL DIAGRAM | |
|---|--|
| 2.5 Concrete 2 | Inspector: Rich Amirault Drilling Contractor: John Mathes & Associates Type of Well Honitoring Static Water Level 8.62 Date 4/1/86 Measuring Point * Total Depth of Boring 10.0 Well Point Depth 3.5 Drill Cusing Type HSA Diameter 4½" ID Length Haterial Sampling Type SS Diameter 2" Weight 140 lbs. Fall 30" |
| Bentonite Pellets 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | Interval Standard Pipe Left in Place Material SS Diameter 2" Length 11.5 Joint Type Flush Screen Material SS Diameter 2" Slot Size 10 Interval 3.5 - 9.0 Stratigraphic Unit Screened Fill Packing Sand O grade Gravel Katural |
| Sandpack 2 | Amount Interval 2.0 - 10.0 Seal Type Bent. Pellets Interval 1.0 - 2.0 Locking Casing Yes X No Notes: * Static water level measuring point is top of riser. Well construction depths are from grade. |

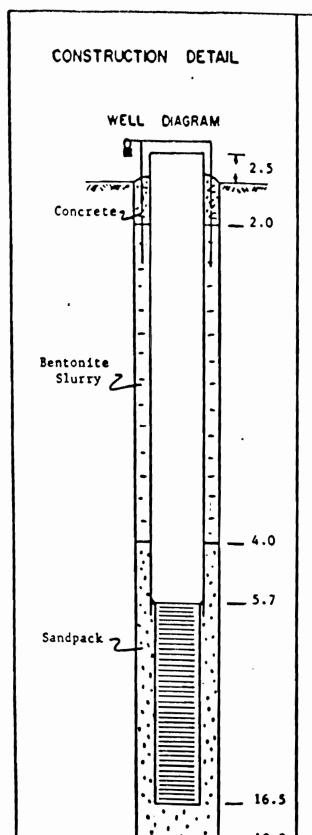
Notes:

from grade.

DUNN GEOSCIENCE CORPORATION

5 Northway Lane North Latham, NY 12110 518/783-8102

| Project: | Volney Lan | df 111 |
|------------|--------------|--|
| Client: | URS | - |
| Project 1: | 353-3-4337 | |
| Well #: B | X - 35 | The state of the s |
| Date Drill | ed: 1/2)/8 | 4 |
| Date Devel | oped: 3/5/86 | Y |



| Inspector: Rich Amirault | | |
|---|---------------------------------|--|
| Drilling Contractor: John Mathes & Associates Type of Well Montecodes | | |
| Type of Well A | fonitorine | |
| Traces makes revel 4 | 87 | |
| Measuring Point * | 566 4/1/86 | |
| Total Depth of Boring | 18.0 | |
| Well Point Depth Drill Casina | 5 7 | |
| | | |
| Type HSA | Diameter (Lu vo | |
| 241.241 | Haterial | |
| On inp 1 ting | | |
| Type No Samples | _ Diameter | |
| Weight | Fall | |
| Interval | - | |
| Pipe Left in Place | | |
| Decei 141 22 | Diameter 2" | |
| | Joint Type Flush | |
| Screen | | |
| Material SS | Diameter 2" | |
| Slot Size 10 | Diameter 2" Interval 5.7 - 16.5 | |
| | Screened sand and gravel | |
| Packing | SOLE BING REAVEL | |
| Sand O grade Gravel | Natural | |
| | Interval 4.0 - 18.0 | |
| <u></u> | | |
| Type Bentonite Slurry | 7Interval 2.0 - 4.0 | |
| | | |
| Locking Casine Yes | Х Nо | |

* Static water level measuring point is top of riser. Well construction depths are

DUNN GEOSCIENCE CORPORATION



5 Northway Lane North Latham, NY 12110

HIIII 518/783-8102

| roject: | Volne | y Land | 111 | |
|----------|----------|--------|-----|--|
| Client: | URS | | | |
| roject | 1: 353-3 | 1-4337 | | |
| Well 1: | BW-31 | - | | |
| Date Dri | 11ed: 1/ | 20/86 | | |
| Date Dev | eloped: | 2/5/86 | | |

CONSTRUCTION DETAIL WELL DIAGRAM Inspector: Hal Hatfield Drilling Contractor: John Mathes & Associates 14540 Type of Well Monitoring Concretez _ 1.5 Static Water Level 4.98 Date 4/1/86 Measuring Point * Total Depth of Boring 28.0 Well Point Depth 15.0 Drill Casing Type HSA Diameter 44" ID Length Material Sampling Grout 'Z_ Type No Samples Diameter Weight Fall Interval Pipe Left in Place Material SS Diameter 2" Length 28.5 Joint Type Flush 9.0 Screen Material SS Diameter 2" Slot Size 10 Interval 16.0 - 26.0 Bentonite Z Stratigraphic Unit Screened sand and gravel Slurry Packing 14.0 Sand O grade Gravel Ratural Amount 1 bag Interval 14.0 - 27.0 Seal Type Bentonite Slurry Interval 9.0 - 14.0 _ 16.0 Locking Casine Yes X No Sandpack 7 * Static water level measuring point is top of riser. Well construction depths are from grade.

26.0

Formational

DUNN GEOSCIENCE CORPORATION

5 Northway Lane North Latham, NY 12110 518/783-8102

| Project: | Volney Land | ff111 |
|------------|--------------|-------|
| Client: | URS | |
| Project 1: | 553-3-4337 | |
| Well 1: | BW-3D | |
| DALE DESI | led: 1/18/86 | |
| Date Devel | oped: 2/5/86 | |

CONSTRUCTION DETAIL WELL DIAGRAM T2.5 ~!,~~ 145WP Concretez __ 1.5 Grout Z 35.0 Bentonite Slurry 39.0 _ 41.0 Sandpack 7 46.0 Bentonite Pellets

| Inspector: Hal Hatfield | | |
|----------------------------------|----------------------------------|--|
| Drilling Contractor: John Market | | |
| 2.75 | | |
| Practic water feast 4' | 74 Date 4/1/86 | |
| Canaditus botus a | | |
| Total Depth of Boring | 48.4' | |
| well Point Depth | 41.0 | |
| CTITI COSINE | | |
| Type HSA | Diameter ALM TO | |
| rei.Pett | Material_ | |
| Sampling | | |
| TypeSS | Diameter_ 2" | |
| Weight 140 1hg | Fall 20" | |
| IntervalContinuou | s | |
| tipe lett in hlace | · · | |
| Material SS | Diameter 2" | |
| Length 48.5' | Joint Type Flush | |
| Screen | | |
| Material_SS | Diameter 2" Interval 41.0 - 46.0 | |
| Slot Size 10 | Interval 41.0 - 46.0 | |
| actactitishate full 2 | creened Lodgement Till | |
| Facking | | |
| Sand O grade Gravel | Natural | |
| Amount 2 bags | Interval 39.0 - 47.0 | |
| <u>269 I</u> | | |
| Typ Sentonite Slurry | Interval 35.0 - 39.0 | |
| Bentonite Pellets | 47.0 - 48.4 | |
| Locking Casing Yes X | No | |
| Notes: | | |

* Static water level measuring point is top of riser. Well construction depths are

from grade.

DUNN GEOSCIENCE CORPORATION

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5 Northway Li Latham, NY 1 1)11111 518/783-8102 5 Northway Lane North Latham, NY 12110

Project: Volney Landfill Client: URS Project 1: 353-3-4337 Well 4: BW-3 BE Date Drilled:1/23/86 - 2/8/86

riser. Well construction depths are measured

| | Developed: 2/20/86 |
|------------------------------|---|
| CONSTRUCTION DETAIL | |
| WELL DIAGRAM | |
| Concrete Signature -1.5 | Inspector: Gordon M. Stevens Drilling Contractor:* Type of Well Monitoring Static Water Level 4.58' Date 4/1/86 Massuring Point ** Total Depth of Boring 92.2' Well Point Depth 86.0' Drill Casing Type Steel Diameter 8" |
| Grout | Sampling Type Core Diameter 3" Interval 86.0' - 92.2' Pipe Left in Place |
| | Material SS Diameter 4" Length 88.3 Joint Type Fluck |
| | Screen Material Natural Diameter 3" Interval 86.0'- 92.3' Stratigraphic Unit Screened sandstone |
| Overburden 81.0 Bedrock 86.0 | Rock Socket Seal Type grout Interval 81.0 - 86.0 |
| | Locking Casing Yes_x_ No Notes: |
| | * Soil boring, rock socket and stainless stee riser installed by A.W. Kincaid, Inc. Rock core and locking well protector installed by John Mathes & Associates. |
| | ** Static water level measuring point is top of |

from grade.

DUNN GEOSCIENCE CORPORATION 5 Northway Lane North Latham, NY 12110 518/783-8102

Pellets Z O O O O O O 15.0

| Project: | Volney Landfill |
|-----------|-----------------|
| Client: | URS |
| Project (| : 553-3-4337 |
| | 14-45 |
| DALE DES | led: 1/16/86 |
| Date Deve | loped: 2/7/86 |

| CONSTRUCTION DETAIL | |
|--|---|
| WELL DIAGRAM | |
| Concrete 2 - 3.0 Bentonite Slurry - 5.0 | Inspector: Hal Hatfield Drilling Contractor: John Mathes & Associates Type of Well Monitoring Static Water Level 9.82 Date 4/1/86 Measuring Point * Total Depth of Boring 15.0 Well Point Depth Drill Casine Type HSA Diameter 4½" ID Length Haterial Sampling Type SS Diameter 2" Weight 140 lbs. Fall 30" Interval None Pipe Left in Place Material SS Diameter 2" Length 14.4 Joint Type Flush Screen Material SS Diameter 2" Slot Size 10 Interval 7.0 - 12.0 Stratigraphic Unit Screened sand and gravel Packing Sand 0 grade Gravel Natural Amount 2 bags Interval 5.0 - 13.0 Seal Type Bentonite SlurryInterval 3.0 - 5.0 Bentonite Pellets 13.0 - 15.0 Locking Casing Yes X No |
| Sandpack Z | Notes: * Static water level measuring point is top of riser. Well construction depths are from grade. |
| | |

DUNN GEOSCIENCE CORPORATION

Bentonite_, 0 0 0 24.5



5 Northway Lane North Latham, NY 12110 HIIII 518/783-8102

| Project: | Volney Landfill | |
|----------|-----------------|---|
| Client: | URS | - |
| Project | 1: 553-3-4337 | - |
| | 3V-4D | • |
| Date Dri | 11ed: 1/16/86 | _ |
| | veloped: 2/7/86 | |

CONSTRUCTION DETAIL WELL DIAGRAM ₹2.0 Inspector: Hal Hatfield NILW APP Drilling Contractor: John Mathes & Associates Type of Well Monitoring Concrete 2 Static Water Level 10.2 Date 4/1/86 _ 1.5 Measuring Point * Measuring Point * Total Depth of Boring 25,5 Well Point Depth Drill Casine Type HSA Diameter 4½" ID Length Material Grout 7 Sampling Type_SS Type SS Diameter 2" Weight 140 lbs. Fall 30" Interval Standard Pipe Left in Place Haterial SS Diameter 2" Length 25.0 Joint Type Flush -9.0 Bentonite Screen Material SS Diameter 2" Slot Size 10 Interval 18.0 - 23.0 Slurry Z Stratigraphic Unit Screened Lodgement Till Packing Sand O grade Gravel Katural -- 16.0 Amount 2 bags Interval 16.0 - 25.5 TypeBentonite SlurryInterval 9.0 - 16.0 Bentonite Pellets 24.5 - 25.5 Locking Casing Yes X No _18.0 Sandpack 7 * Static water level measuring point is top of riser. Well construction depths are from grade.

DUNN GEOSCIENCE CORPORATION

5 Northway Lane North Latham, NY 12110 518/783-8102

| Project: | Volney Land | f 111 |
|------------|---------------|--------|
| Client: | URS | - |
| Project 1: | 353-3-4337 | |
| Well #: | AV-S | |
| Date Drill | ed: 1/17/86 | |
| Date Devel | oped:2/6/86 - | 2/2/06 |

CONSTRUCTION DETAIL WELL DIAGRAM T_{3.0} 10040 Concrete 2 -1.5 Grout Z Bentonite -3.0Pellets Z _6.0 Sandpack > -11.0 15.0 _ 17.0

| Inspector: Hal Hatfi | ald |
|--------------------------|----------------------------|
| Prilling Contractor. | John Wash |
| Type of Well M | onitorine |
| Static Water Level 4. | 31 - Corn / /1/04 |
| Keasuring Point * | 31 |
| Total Depth of Boring | 17.0 |
| Well Point Depth | 17.0 |
| Drill Casing | |
| TYPE WEA | Diameter at the second |
| Type HSA Length | Manager 44" ID |
| Sampling | Material |
| Type SS | Diameter All |
| Weight 140 lbs. | Diameter 2" |
| Interval Standard | Fall 30" |
| Pipe Left in Place | |
| Material SS | Diameter an |
| Length 14.0 | Diameter 2" |
| Screen | Joint Type Flush |
| Material SS | Diameter au |
| Slot Size 10 | Diameter 2" |
| Strationaphic Unit 5 | Interval 6.0 - 11.0 |
| Packing | creened fine sand and silt |
| Sand O grade Gravel | Yatural. |
| Amount 4 bags | Interval 4.0 - 15.0 |
| Seal | 4.0 - 15.0 |
| Type Bent. Pellets. | Interval 3.0 - 4 o |
| <u>Dentonite Pelle</u> t | 8 15.0 - 17.0 |
| Locking Casing Yes X | No. |
| Varant | |

* Static water level measuring point is top of riser. Well construction depths are

from grade.

DUNN GEOSCIENCE CORPORATION 5 Northway Lane North Latham, NY 12110 518/783-8102

Project: Volney Landfill
Client: URS
Project #: 353-3-4337
Well #: BW-6
Date Drilled: 1/17/86
Date Developed: 2/6/86

| CONSTRUCTION DETAIL WELL DIAGRAM J.O. Inspector: Hal Hatfield Drilling Contractor: John Mathes & Associates Type of Well Monitoring Static Water Level 4.76 Date 4/1/86 Measuring Point * Total Depth of Boring 18.0 Well Point Depth |
|--|
| Concrete 2 Inspector: Hal Hatfield Drilling Contractor: John Mathes & Associates Type of Well Monitoring Static Water Level 4.76 Date 4/1/86 Measuring Point * Total Depth of Boring 18.0 Well Point Depth |
| Concrete 2 Inspector: Hal Hatfield Drilling Contractor: John Mathes & Associates Type of Well Monitoring Static Water Level 4.76 Date 4/1/86 Measuring Point * Total Depth of Boring 18.0 Well Point Depth |
| Concrete 2 Drilling Contractor: John Mathes & Associates Type of Well Konitoring Static Water Level 4.76 Date 4/1/86 Measuring Point * Total Depth of Boring 18.0 Well Point Depth |
| Type HSA Diameter 4½" ID Length Material |
| Sampling Type SS Diameter 2" Weight 140 lbs. Fall 30" Interval Standard |
| Pipe Left in Place |
| Haterial SS Diameter 2" Length 19.0 Joint Type Flush |
| Screen Some Type Tiush |
| Material SS Diameter 2" |
| Slot Size 10 Interval 6.0 - 16.0 |
| Bentonite - 3.0 Stratigraphic Unit Screened sand and gravel |
| Pellets 2 0 Packing Sand O grade Gravel Natural |
| Amount 54 bags Interval 5.0 - 18.0 |
| Seal Typesent. Pellets Interval 3.0 - 5.0 |
| Locking Casing Yes X No |
| |
| Sandpack Z Notes: |
| * Static water level measuring point is top of riser. Well construction depths are from grade. |
| |

__18.0

DUNN GEOSCIENCE CORPORATION 5 Nonhway Lane Nonh Latham, NY 12110 MIIIII 518/783-8102

Volney Landfill Projecti URS Client: Project 1: 353-3-4337 Vell 8: BW - 75 Date Drilled: 1/19/86 - 1/20/86 Date Developed: 1/29/86 - 1/30/86

| CONSTRUCTION DETAIL | |
|-------------------------------------|--|
| Concrete 2.8 | |
| Natural Fill 7 Bentonite Pellets 2 | |
| 4.0 | |
| Bentonite, | |
| Pellets / 18.0 36.0 | |

| Inspector: Gordon M | . Stevene |
|--|---------------------------------|
| | |
| Type of Well Mo Static Water Levels.60 Measuring Point * | onitorine |
| Static Water Level5.60 | fuste 4/1/86 |
| Measuring Point * | 771700 |
| John pohen of Boline | 36.0 |
| Well Point Depth | |
| Drill Casine | |
| Type HSA | Diameter 44" TD |
| | Material |
| Sampital | |
| Type_SS | Diameter 2" |
| Weight 140 the | Fall 30" |
| Interval Standard Pipe Left in Place | |
| ripe Lett in Place | |
| usterial 22 | Diameter2" |
| Length 17.8 | Joint Type Flush |
| | |
| Slot Stop 10 | Diameter 2" |
| Steel Size 10 | Diameter 2" Interval 4.5 - 15.0 |
| Packing Packing | creened sand and gravel |
| Sand O grade Grave! | |
| Amount | |
| Seal - | 1cerval_4.0 - 16.0 |
| Type Bent. Pellets | Interval 2.0 |
| DEUL PELLETS | 16 0 10 0 |
| Locking Casiny Yes X | No. 18.0 |
| Notes: | |
| * Static water level of riser. Well con | measuring point is top |

of riser. Well construction depths are

from grade.

DUNN GEOSCIENCE CORPORATION 5 Northway Lane North

5 Northway Lane North Latham, NY 12110

IIIII 518/783-8102

| Project: | Volney Land | f 111 |
|------------|---------------|-------|
| Client: | URS | |
| Project 1: | 553-3-4337 | |
| Well 1: By | 1 - 7D | |
| Date Drill | d: 1/22/86 | |
| Date Devel | oped: 1/29/86 | |

CONSTRUCTION DETAIL WELL DIAGRAM 72.8 Inspector: Gordon M. Stevens 10000 Drilling Contractor: John Mathes & Associates Type of Well Monitoring Concrete 当—1.0 Static Water Level 4.91 Date 4/1/86 Measuring Point * Total Depth of Boring 30.0 Well Point Depth 18.5 Drill Casing Type HSA Diameter 44" ID Grout Z Length Haterial Sampling Type No Samples Diameter Weight Fall Interval Pipe Left in Place Material SS Diameter 2" Length 31.8 Joint Type Flush Bentonite -13.0Screen Material SS Diameter 2" Slot Size 10 Interval 18.5 - 29.0 Slurry > Stratigraphic Unit Screened fine sand & silt Packing Sand O grade Gravel Katural Amount Interval 18.0 - 30.0 18.0 Seal Type Bentonite Slurry Interval 13.0 - 18.0 18.5 Locking Casiny Yes X No Sandpack 7 Notes: * Static water level measuring point is top of riser. Well construction depths are from grade. 29.0

DUNN GEOSCIENCE CORPORATION

5 Northway Lane North Latham, NY 12110

[HIIII 518/783-8102

| Project: | Volney Landf | 11 |
|------------|--------------|----|
| Client: | URS | |
| Project 1: | 553-3-4337 | |
| 4 | BY - AS | |
| | ed: 1/17/86 | |
| Date Devel | oped: 2/5/86 | |

| CONSTRUCTION DETAIL | |
|---|--|
| WELL DIAGRAM 2.0 Concrete 3.0 | Inspector: Gordon M. Stevens Drilling Contractor: John Mathes & Associates Type of Well Monitoring Static Water Level 10.88 Date 4/1/86 Maasuring Foint* |
| Bentonite Pellets - 5.5 - 7.5 Sandpack 18.0 | Total Depth of Boring 19.0 Well Print Depth 7.5 Drill Casing Type RSA |

DUNN

DUNN GEOSCIENCE CORPORATION

5 Northway Lane North Latham, NY 12110

518/783-8102

| Project: | Volney Land | 16111 |
|------------|--------------|-------------|
| Client: | URS | |
| Project 1: | 553-3-4337 | |
| Well #: 1 | W - 8D | |
| Date Drill | ed: 1/16/8 | 5 - 1/17/86 |
| Date Devel | oped: 2/5/86 | |

CONSTRUCTION DETAIL WELL DIAGRAM T 2.0 MINA H 14540 Concretez _ 1.0 Grout 7 -18.0 Bentonite 7 Slurry _ 23.0 25.5 Sandpack 7 35.0 36.0 Bentonite Pellets Z 1000

| Inspector: Gordon M. | Stevens | |
|---|----------------------------------|--|
| Drilling Contractor: John Mathes & Associates | | |
| Type of Well Monitoring | | |
| Static Water Level 10. | 76 Daie 4/1/86 | |
| Measuring Point * | | |
| Total Depth of Boring | | |
| Well Point Depth | | |
| Drill Casine | ļ . | |
| Type HSA | | |
| Length | Material | |
| Sampling | ļ | |
| Type SS | Diameter 2" | |
| Weight 140 1bs. | Fall 30" | |
| Interval Continous | | |
| Pipe Left in Place | | |
| | Diameter 2" | |
| Length 37.0 | Joint Type Flush | |
| Screen | | |
| Material SS | Diameter 2" Interval 24.5 - 35.0 | |
| | | |
| | Screened sand and gravel | |
| Packing | | |
| Sand <u>O grade</u> Gravel | Natural | |
| | Interval 23.0 - 18.0 | |
| <u>Sea l</u> | | |
| | Interval 18.0 - 23.0 | |
| Bent Pellets | 36.0 - 39.0 | |
| Locking Casing Yes_ | A | |
| Notes: | | |

* Static water level measuring point is top of riser. Well construction depths are

from grade.

DUNN GEOSCIENCE CORPORATION

5 Northway Lane North Latham, NY 12110 Latham, NY 1 [11] 518/783-8102

| Project | : Volney | Landfil | 1 | |
|---------|----------|----------|--------|--|
| Client: | URS | | | |
| Project | 1:553-3- | 4337 | | |
| Well #: | BW-8 B | T | | |
| Date Dr | 111ed: 1 | /20/86 - | 2/6/86 | |
| Date De | veloped: | 2/8/86 | | |

| CONSTRUCTION DETAIL | |
|--------------------------------|--|
| Concrete DIAGRAM Concrete T.5 | Inspector: Gordon M. Stevens Drilling Contractor:* Type of Well Monitoring Static Water Level 10.99' Date 4/1/86 Measuring Point ** Total Depth of Boring 56.5' Well Point Depth 51.5' Drill Cosing Type Steel Diameter 8" Sampling Type Core Diameter 3" Interval 51.5' - 56.5' Pipe Left in Place Material SS Diameter 4" Length 53.5' Joint Type Flush Screen Material Natural Diameter 3" |
| Overburden 46.5 Bedrock 51.5 | Interval 51.5 - 56.5 Stratigraphic Unit Screened sandstone Rock Socket Seal Type grout Interval 46.5' - 51.5' Locking Casing Yes x No Notes: * Soil boring, rock socket and stainless steel riser installed by A.W. Kincaid, Inc. Rock core and locking well protector installed by John Mathes & Associates. ** Static water level measuring point is top of riser. Well construction depths are measured from grade. |

DUNN GEOSCIENCE CORPORATION 5 Northway Lane North

Pellets 2

Bentonite

Latham, NY 12110

IVIIIII 518/783-8102

| Project: | Volr | ney Lai | nd[111 | |
|-----------|-------|---------|--------|------|
| Client: | URS | | | · |
| Project ! | : 553 | -3-433 | 7 | |
| Well 1: | BW-9 | S | | |
| Date Dril | led: | 1/10/ | 86 | |
| Date Deve | | | | |

CONSTRUCTION DETAIL WELL DIAGRAM **T**_{2.1} Inspector: Hal Hatfield TO TO AM Drilling Contractor: John Mathes & Associates 10000 Type of Well Monitoring Static Water Level dry Date 4/1/86 Concrete __1.5 Measuring Point * Total Depth of Boring 20.0 Well Point Depth_____ Drill Casing Type HSA Diameter 44" ID Length Haterial Grout 7_ Sampling Type No Sampling Diameter Weight Fall Interval Pipe Left in Place Material SS Diameter 2" Length 20.1 Joint Type Flush **—** 3.0 Screen Material SS Diameter 2" Slot Size 10 Interval 8.0 - 18.0 Bentonite Stratigraphic Unit Screened Fill Pellets Z Sand O grade Gravel Natural _ 6.0 Amount 4 1/3 bags Interval 6.0 - 19.0 Type Bent. Pellets Interval 19.0 - 20.0 Bentonite Pellets 3.0 - 6.0 Locking Casing Yes X No -- 8.0 Sandpack 7 Notes: * Static water level measuring point is top of riser. Well construction depths are from grade. _18.0

DUNN GEOSCIENCE CORPORATION 5 Northway Lane North Latham, NY 12110 518/783-8102

| roject: | Voln | ey Landfill | |
|----------|----------|-------------|--|
| Client: | URS | | |
| Project | 1: 553- | -3-4337 | |
| | BW-91 | | |
| | | 1/10/86 | |
| Date Dev | veloped: | NA | |

| CONSTRUCTION DETAIL | |
|-----------------------------------|-------------|
| WELL DIAGRAM 2.6 Concrete 2 1.5 | 1 1 D |
| Concrete 1.5 | T S M T W D |
| Grout Z | <u>s</u> |
| Bentonite Slurry 7 | 1 |
| | |
| Sandpack 2 | |
| 25. | |
| Bentonite 26.0 | . |

| Inspector: Hal Hatfi | eld |
|-----------------------------|-------------------------|
| Drilling Contractor: Jo | ohn Mathes & Associates |
| Type of We'l Mo | nitoring |
| Static Water Level dry | Date 4/1/86 |
| Measuring Point * | |
| Total Depth of Boring | 27.0 |
| Well P int Depth | |
| Drill Casine | |
| Type HSA | Diameter 4½" ID |
| | Material |
| Sampling | |
| Type SS | Diameter 2" |
| Weight 140 lbs. | Fall 30" |
| Interval Standard (| |
| Pipe Left in Place | |
| | Diameter2" |
| Length 27.6 | Joint Type Flush |
| Screen | |
| Material SS | Diameter 2" |
| Material SS Slot Size 10 | Interval 20.0 - 25.0 |
| | creened Lodgement till |
| Packing | |
| Sand O grade Gravel | Natural |
| Amount 2 bags | Interval 18.0 - 26.0 |
| Seal | |
| Type Bentonite Slurry | VInterval 15.0 - 18.0 |
| | 26.0 - 27.0 |
| Locking Casing Yes | KNo |
| Notes: | |

* Static water level measuring point is top of riser. Well construction depths are

DUNN GEOSCIENCE CORPORATION

MIIII 518/783-8102

5 Northway Lane North Latham, NY 12110

| Project: | Volney Landfill | |
|------------|-----------------|--|
| Client: | URS | |
| Project 1: | 553-3-4337 | |
| Well #: | BW - 105 | |
| Date Drill | ed: 1/15/86 | |
| Date Devel | oped: NA | |

CONSTRUCTION DETAIL WELL DIAGRAM 72.0 10040 Concrete 2.0 Pellets 7 5.0 Sandpack 7 16.5 Bentonite 000 Pellets _ 22.0

| lacaset, | |
|---|---------------------------------|
| Inspector: Gordon M. | Stevens |
| District Contractor: | John Mathee (Asset |
| 1 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | onitorino |
| Static Water Level D Measuring Point * | ry Date 4/1/86 |
| reasoring boild a | |
| Total Depth of Boring Well Point Depth | 22.0 |
| Drill Casine | |
| Type | Diaman |
| Type HSA | Diameter 44" ID |
| LengthSampling | Material |
| Type SS | Diamana au |
| | Diameter 2" |
| Weight 140 lbs. Interval Continuous | Fal130" |
| Pipe Left in Place | |
| | Diameter ou |
| Length 18.5 | Diameter 2" |
| Screen | Joint Type Flush |
| | Diameter 2" |
| Slot Size 10 | Diameter 2" Interval 6.0 - 16.5 |
| Stratigraphic Unit S | creened earhage |
| Packing | <u> </u> |
| Sand O grade Gravel | Natural |
| | Interval 5.0 - 17.0 |
| Seal | |
| Type Bent. Pellets | Interval 2.0 - 5.0 |
| Bent, Pellets | 17.0 - 22.0 |
| Locking Casing Yes X | No |
| Notes: | |

Static water level measuring point is top of riser. Well construction depths are

DUNN GEOSCIENCE CORPORATION 5 Northway Lane North

Latham, NY 12110

IIIII 518/783-8102

| Project: | Volney Lar | ndf111 | |
|------------|--------------|----------|--|
| Client: | URS | | |
| Project 1: | 553-3-4337 | | |
| Well #: | BW - 100 | | |
| Date Drill | ed: 1/31/8 | 6 | |
| Date Devel | oped: 2/5/86 | - 2/6/86 | |

CONSTRUCTION DETAIL WELL DIAGRAM T 2.5 Inspector: Gordon M. Stevens Drilling Contractor: A.W. Kincaid, Inc. 14:14 Type of Weil Monitoring Concrete 1.5 Static Water Level 38.94 Date 4/1/86 Measuring Point * Backfill Z Total Depth of Boring 60.0 Well Point Depth 52.0 Drill Casing _ 2.0 Type Flush Joint Diameter 8" Length Material steel Grout 7 Sampling Type one grab Diameter Weight Fall Interval 40° Pipe Left in Place Material SS Diameter 2" Length 59.5 Joint Type Flush - 39.2 Screen Material SS Diameter 2" Slot Size 10 Interval 52.0 - 57.0 Bentonite_ Pellets ___ Stratigraphic Unit Screened Lodgement Till Sund O grade Gravel Natural Amount Interval 48.5 - 60.0 _ 48.5 TypeBent. Pellets Interval 39.2 - 48.5 __ 52.0 Locking Casine Yes X No Sandpack 7 Notes: * Static water level measuring point is top of riser. Well construction depths are from grade. - 57.0 60.0

DUNN GEOSCIENCE CORPORATION 5 Northway Lane North Latham, NY 12110 Latham, NY 1

Project: Volney Landfill Client: URS Project 1: 553-3-4337 BW-10 Br Well #: Date Drilled: 1/29/86 - 2/8/86 Date Developed:2/20/86

| Concrete Concre | Rock Socket Seal Type grout Interval 91.0 - 96.0 |
|--|---|
| | Length 98.8 Joint Type Flush Screen Material Natural Diameter 3" Interval 96.0' - 102.0' Strutigraphic Unit Screened sandstone Rock Socket Seal |
| | |

DUNN GEOSCIENCE CORPORATION 5 Northway Lane North

5 Northway Lane North Latham, NY 12110 111111 518/783-8102

| Project: | Volne | <u>Landfi</u> | 11 | |
|------------|--------|---------------|----|--|
| Client: | URS | | | |
| Project #: | 553-3 | -4337 | | |
| Well 1: | BW-11 | | | |
| Date Drill | ed: 1/ | 22/86 | | |
| Date Devel | oped: | /31/86 | | |

CONSTRUCTION DETAIL WELL DIAGRAM T2.0 Inspector: Rich Amirault VIIW 17" Drilling Contractor: John Mathes & Associates 18540 Type of Well Monitoring Concrete __ 2.0 Static Water Level 19.65 Date 4/1/86 Measuring Foint # -Total Depth of Boring 25.0 Gravel Backfill Z Well Point Lepth 4.0 Drill Casine Type HSA Diameter 44" ID Length_____ Material____ Sampling Type SS Diameter 2" Weight 140 lbs. Fall 30" Interval Standard Bentonite Pipe Left in Place Slurry 7 Material SS Diameter 2" Length 25.0 Joint Type Flush Screen Material SS Diameter 2" Slot Size 10 Interval 11.3 - 23.0 Stratigraphic Unit Screened sand and gravel Sand O grade Gravel Natural 11.0 Amount Interval 11.0 - 25 Type Bentonite Slurry Interval 4.0 - 11.0 11.3 Locking Casine Yes X No Sandpack 7 Notes: * Static water level measuring point is top of riser. Well construction depths are from grade.

DUNN GEOSCIENCE CORPORATION

5 Northway Lane North Latham, NY 12110

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| Project: | Volney Land | ff111 |
|-----------|---------------|----------|
| Client: | URS | |
| Project 1 | : 553-3-4337 | |
| Well #: | BV-12 | |
| Date Dril | led: 1/19/96 | |
| Date Deve | loped: 2/4/86 | - 2/5/86 |

CONSTRUCTION DETAIL WELL DIAGRAM 18540 Concretez -1.5 0 Bentonite Pellets Z ٥ _ 3.0 _3.9 Sandpack 7 14.0 Bentonite 000 0 Pellets 2 _ 16.0

| Inspector: Gordon M. Stevens |
|---|
| Drilling Contractor: John Mathes & Associates |
| Type of We!! Monitoring |
| Static Water Level 14.14 Date 4/1/86 |
| Measuring Point * |
| Total Depth of Boring 16.0 |
| Well Point Depth |
| Drill Casine |
| Type HSA Diameter 44" ID |
| Length Material |
| Length Material Sampling |
| |
| |
| Weight 140 lbs. Fall 30" Interval Standard |
| Pipe Left in Place |
| Material co |
| Material SS Diameter 2" Length 17.1 Joint Type Flush |
| Length 17.1 Joint Type Flush |
| Patarial CC Bioman |
| Slor Sico 10 |
| Material SS Diameter 2" Slot Size 10 Interval 3.9 - 14.0 |
| or or the furt of seemed sand and or and |
| de Killig |
| Sand O grade Gravel Natural |
| Amount Interval 3.0 - 14.0 |
| |
| TypeBent. Pellets Interval 1.5 - 3.0 |
| Bent. Pellets 14.0 - 16.0 Locking Casing Yes X No |
| cocking casing les X No |
| Notes: |

Static water level measuring point is top of riser. Well construction depths are

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5 Northway Lane North Latham, NY 12110

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Volney Landfill Project: URS Client: Project 1: 553-3-4337 Well #: BE-13 Date Drilled: 1/22/86 Date Developed 2/4/86 - 2/5/86

| CONSTRUCTION DETAIL WELL DIAGRAM | |
|---|--|
| Concrete 2 1.0 | Inspector: Rich Amirault Drilling Contractor: John Mathes & Associates Type of Well Monitoring Static Water Level 3.54 Date 4/1/86 Measuring Point * Total Depth of Boring 10.0 Well Point Depth Drill Casing Type MSA Diameter 4½" ID Length Material Sampling Type SS Diameter 2" |
| Bentonite Pellets 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Weight 140 lbs. Fall 30" Interval Standard Pipe Left in Place Material SS Diameter 2" Length 11.3 Joint Type Flush Screen Material SS Diameter 2" Slot Size 10 Interval 3.3 - 9.0 Stratigraphic Unit Screened Lodgement till Packing Sand 0 grade Gravel Natural Amount Interval 3.0 - 10.0 Seal Type Bent. Pellets Interval 1.0 - 3.0 Locking Casing Yes X No |
| Sandpack Z | Notes: * Static water level measuring point is top of riser. Well construction depths are from grade. |

__ 10.0

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5 Northway Lane North Latham, NY 12110

| Project: | Volney L | andfill | |
|-----------|------------|---------|--|
| Client: | URS | | |
| Project ! | : 553-3-43 | 37 | |
| Well F: | BY-14 | | |
| Date Dril | led: 1/22 | 86 | |
| | loned:1/29 | | |

CONSTRUCTION DETAIL WELL DIAGRAM T_{2.0} MILLIA 1800 Concretez _ 1.0 Bentonite Pellets 7 2.0 _ 2.5 Sandpack > 13.0 Bentonite Pellets 2

| Inspector: Gordon M. | Stevens | |
|---------------------------------------|---------------------------------|--|
| Drilling Contractor: J | John Mathes & Associates | |
| Tyre of Well Mo | nitoring | |
| Static hater Level 4. | 23 Date_ 4/1/86 | |
| Measuring Point * | | |
| Total Depth of Boring | 14.0 | |
| Well Point Depth | | |
| Drill Casine | | |
| Tyre HSA | Diameter 42" ID | |
| Length | Material | |
| Sampling | | |
| Type SS | Diameter 2" | |
| Weight 140 1bs. | | |
| Interval Standard | | |
| Pipe Left in Place | | |
| | Diameter | |
| Material SS Length 15.0 | Joint Type Flush | |
| Screen | | |
| Katerial SS | Diameter 2" Interval 2.5 - 13.0 | |
| | | |
| Stratigraphic Unit Screened fine sand | | |
| Packing | | |
| Sand <u>O grade</u> Gravel | Natural | |
| | Interval 2.0 - 13.5 | |
| <u>Seal</u> | | |
| Type Bent. Pellets | | |
| Bent. Pellets | 13.5 - 14.0 | |
| Locking Casing Yes Y | X No | |
| Notes: | | |

* Static water level measuring point is top of riser. Well construction depths are

DUNN GEOSCIENCE CORPORATION

5 Northway Lane North Latham, NY 12110 1)11111 518/783-8102

| roject: | Volney Landfill |
|---------|-----------------|
| Client: | URS |
| Project | 1: 553-3-4337 |
| | BV-15 |
| | 11ed: 1/17/86 |
| | eloped: 1/31/86 |

CONSTRUCTION DETAIL WELL DIAGRAM T_{3.0} Inspector: Gordon M. Stevens Drilling Contractor: John Mathes & Associates N/14 /1" 14:40 Type of Well Monitoring Concrete Static Water Level 7.06 Date 4/1/86 -1.0Measuring Point * -Total Depth of Ecrisic 14.0 Well Point Depth____ Drill Casine Type MSA Diameter 45" ID Length Material Sampling Type SS Diameter 2" Weight 140 lbs. Fall 30" Bentonite. Interval Standard Pellets. Pipe Left in Place Material SS Diameter 2" Length 17.0 Joint Type Flush Screen Material SS Diameter 2" Slot Size 10 Interval 3.5 - 14.0 Stratigraphic Unit Screened sand Sand O grade Gravel Natural 2.5 Amount Interval 2.5 - 14.0 Seal Type Bent. Pellets Interval 1.0 - 2.5 _ 3.5 Locking Casine Yes X No Sandpack 7 * Static water level measuring point is top of riser. Well construction depths are from grade.

14.0

16.0

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5 Northway Lane North Latham, NY 12110

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Project: Volney Landfill Client: URS Project 6: 553-3-4337 Well 0: BH-16 _. Date Drilled: 2/7/86
Date Developed: 2/20/86

| CONSTRUCT | ON DETAIL |
|-------------------------|-------------------|
| WELL Q | DIAGRAM |
| Concrete 2 | 2.5 2.5 2.0 |
| | |
| | |
| Bentonite Pellets Z | |
| | |
| - | |
| Sandpack 🤿 | _ 5.3 |
| | |
| · | |
| Formational Collapse | |

| Inspector: Gordon M. | Stevens | | |
|--|--------------------|--|--|
| Drilling Contractor: 1 | ohn Machae L A | | |
| Type of well No | nitoring | | |
| Static Water Level 4. | 70 [12:4 / / 1/96 | | |
| Measuring Foint * | 70 2016 4/1/85 | | |
| Total Depth of Boring | 16.1 | | |
| Well Print Derth | | | |
| brill Casina | | | |
| Type HSA | Diameter 44" ID | | |
| Length_ | Material | | |
| Sampiling | | | |
| Type SS | Diameter 2" | | |
| reixil lan the | 211 22 | | |
| Interval Standard | | | |
| p. cere in liace | | | |
| Material SS | Diameter 2" | | |
| Lengen18.3 | Joint Type Flush | | |
| SCICEN | | | |
| Material SS | Diameter 2" | | |
| 310C 312E 10 | Inferred to the | | |
| Stratigraphic Unit Screened sand and gravel Packing | | | |
| . 44.711 | | | |
| Sand O grade Gravel Natural Amount Interval 4.0 - 15.8 | | | |
| Seal . | nterval 4.0 - 15.8 | | |
| Type Bent. Pellet I | (nterval 2.0 - 4.0 | | |
| | 2.0 - 4.0 | | |
| Locking Casing Yes X | No | | |
| Notes: | | | |

* Static water level measuring point is top of riser. Well construction depths are

On Niagara Mohawk Property

DUNN GEOSCIENCE CORPORATION 5 Northway Lane North

5 Northway Lane North Latham, NY 12110

518/783-8102

"[.

| Project: | Volney Landfill |
|----------|---------------------------|
| Client: | URS |
| Project | 1: 553-3-4337 |
| Well 1: | BW-17 |
| Date Dri | 11ed: 1/17/86 - 1/18/86 |
| Date Dev | eloped: 1/30/86 - 1/31/86 |

| 1101101 | Marce De Ve 10 pe d. 17 31/ 85 |
|--|--|
| CONSTRUCTION DETAIL | |
| Concrete 2 2.0 | Inspector: Gordon M. Stevens Drilling Contractor: John Mathes & Associates Type of Well Monitoring Static Water Level 5.41 Date 4/1/86 Measuring Point * Total Depth of Boring 16.3 Well Print Depth Drill Casing Type HSA Diameter 4½" ID Length Material Sampline Type SS Diameter 2" Weight 140 lbs. Fall 30" Interval Standard Pipe Left in Place Material SS Diameter 2" Length 18.3 Joint Type Flush Screen Material SS Diameter 2" Slot Size 10 Interval 11.3 - 16.3 Stratigraphic Unit Screened Lodgement Till |
| Sandpack 2 | Amount Interval 10.0 - 16.3 Seal TypeBent. Pellets Interval 6.5 - 10.0 |

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5 Northway Lane North Latham, NY 12110

INTINIA 518/783-8102

| Project: | Volney Lar | nd[111 | |
|------------|------------|------------|-----|
| Client: | URS | | |
| Project f: | 553-3-433 | , | |
| | BW-17e | | |
| | ed: 1/18 | /86 | |
| Date Devel | ored: 1/30 | /86 - 1/31 | 186 |

CONSTRUCTION DETAIL WELL DIAGRAM T_{2.0} Inspector: Gordon M. Stevens 10000 Drilling Contractor: John Mathes & Associates Type of Well Monitoring Concretez __ 2.0 Static Water Level 4.53 Date 4/1/86 Measuring Point * Total Depth of Boring 15.1 Well Point Depth____ Drill Casine Type HSA Diameter 44" ID Length Material Sampling Type SS Diameter 2" Weight 140 1bs. Fall 30" Bentonite Pellets Z Interval Standard Pipe Left in Place Material SS Diameter 2" Length 17.1 Joint Type Flush ٥ Screen 0 Material SS Diameter 2" Slot Size 10 Interval 5.0 - 15.1 Stratigraphic Unit Screened sand, gravel, clav 0 Sand O grade Gravel Natural _ 4.0 Amount Interval 4.0 - 15.1 Seal Type Bent. Pellets Interval 2.0 - 4.0 _ 5.0 Locking Casing Yes X No____ Sandpack 7 * Static water level measuring point is top of riser. Well construction depths are from grade. 15.1