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OCT 12 2007

**SOLID WASTE SECTION
ASHEVILLE REGIONAL OFFICE**

October 11, 2007

Mr. Larry Frost
NC Dept. of Environment and Natural Resources
Division of Waste Management
2090 US Highway 70
Swannanoa, North Carolina 28778

RE: CQA Documentation, MSW Closure
Madison County MSW Landfill Facility
Madison County, North Carolina
Permit No. 58-03

Dear Mr. Frost:

Per the letter of Jim Coffey, dated March 12, 2007, please find enclosed the following documentation in support of the closure of the Madison County MSW Landfill:

- A detail drawing illustrating the procedure for raising two groundwater monitoring wells located to the west of the closed landfill.
- A letter from Madison County documenting the procedures that were used for the raising of the two wells.
- An as-built survey of the final grades of the MSW cell.

Madison County stopped receiving MSW wastes in early 2004. Closure extensions were granted by the NCDENR-Solid Waste Section and a closure plan was submitted to your office in December of 2004 and approved on July 20, 2005. The closure work of the landfill was substantially completed in December of 2005 with the additional work of the monitoring wells being raised completed in late 2006. The closure and CQA documentation was submitted to the

Solid Waste Section on January 24, 2007.

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Solid Waste Section
Asheville Regional Office
Please let us know if you have any further questions or require additional information.

Sincerely,

APPROVED DOCUMENT
Division of Waste Management
Solid Waste Section
Date **March 24, 2008** By **AW Gaither**

McGILL ASSOCIATES, P.A.

DAVE PASKO

Document ID No. **4100**
Scanned By **AW Gaither** Date **March 4, 2008**

cc: Jim Huff, Madison County, w/1 copy of enclosures
Ed Mussler, PE, w/1 copy of enclosures

04302/letters/lf11oct07.doc

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Office
211 Craig Rudisill Rd.
Marshall, NC 28753

Madison County
Solid Waste Department

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OCT 12 2007

May 9, 2007
SOLID WASTE SECTION
ASHEVILLE REGIONAL OFFICE

Mr. Jeff Bishop, PE
McGill Associates
55 Broad Street
Asheville, North Carolina 28801

Dear Jeff,

As part of the closure of our MSW Landfill, started in the fall of 2005, Madison County had to raise two existing ground water monitoring wells, #'s 3 & 4, by approximately 7 feet in order to accommodate the proposed final grades. This is a summary of the process we followed:

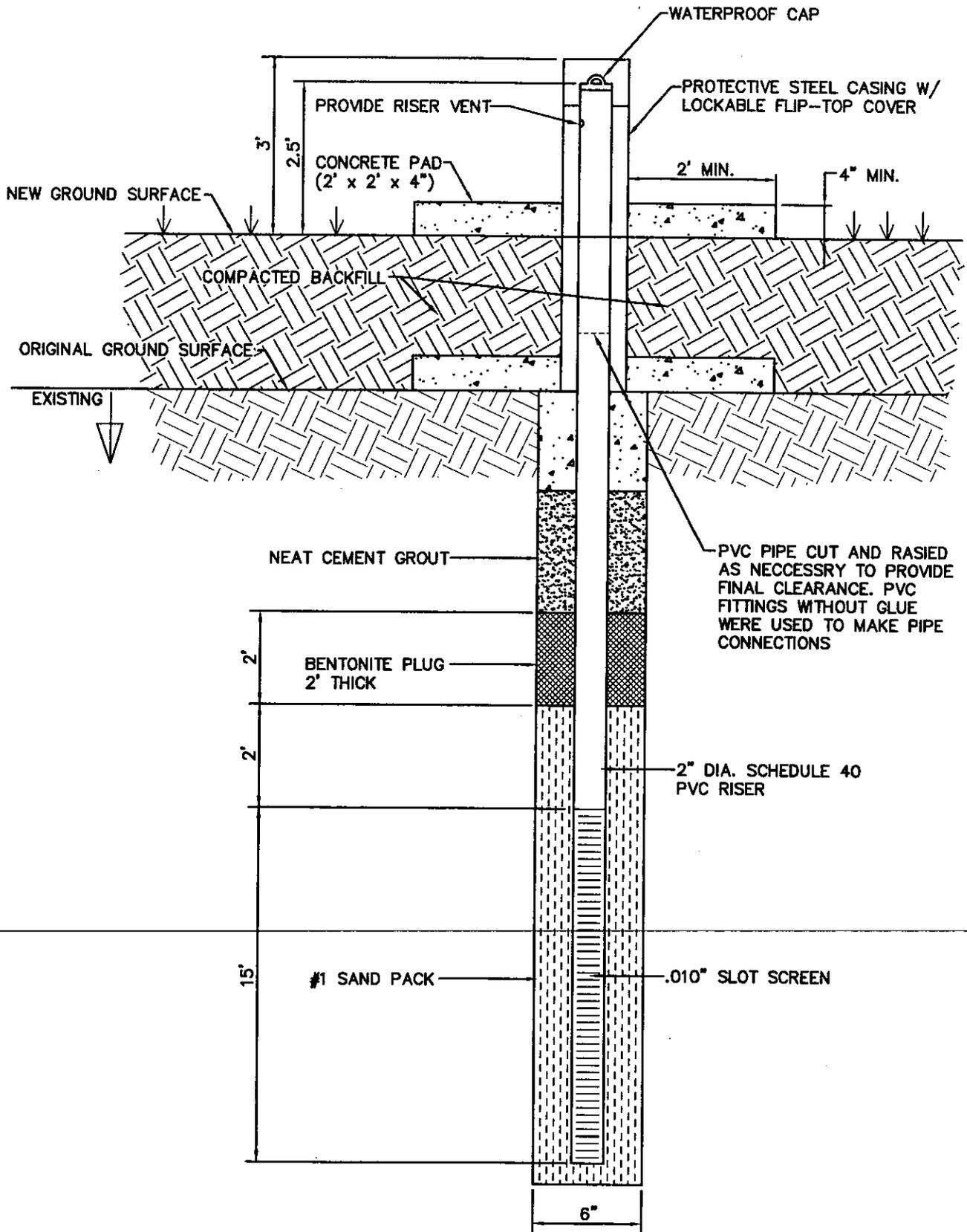
- The protective steel casing around the well and the waterproof cap on the well were removed
- PVC Schedule 40 pipe was used to raise the pipe to the final elevation
- PVC fittings, without glue, were used to connect the necessary sections of pipe
- The pipe was raised to the required elevation and the waterproof cap was replaced
- Fill dirt was placed around the raised well
- Clean dirt without stones was used around the pipe
- The dirt was carefully compacted around the pipe in order to ensure that the pipe was not damaged during the filling process and that the required compaction was obtained
- Once the fill dirt reached the required elevation, the protective steel casing was replaced and a 2' X 2' X 4" concrete pad was installed around the base of the steel casing
- Care was used during the raising process to ensure that the existing grout and bentonite plug below the original ground surface were not disturbed

The work for raising the well was accomplished by Madison County Landfill Staff during the month of December 2005. The attached Figure 1 is the detail we used to raise the wells.

Best regards,

A handwritten signature in cursive script that reads "James L. Huff".

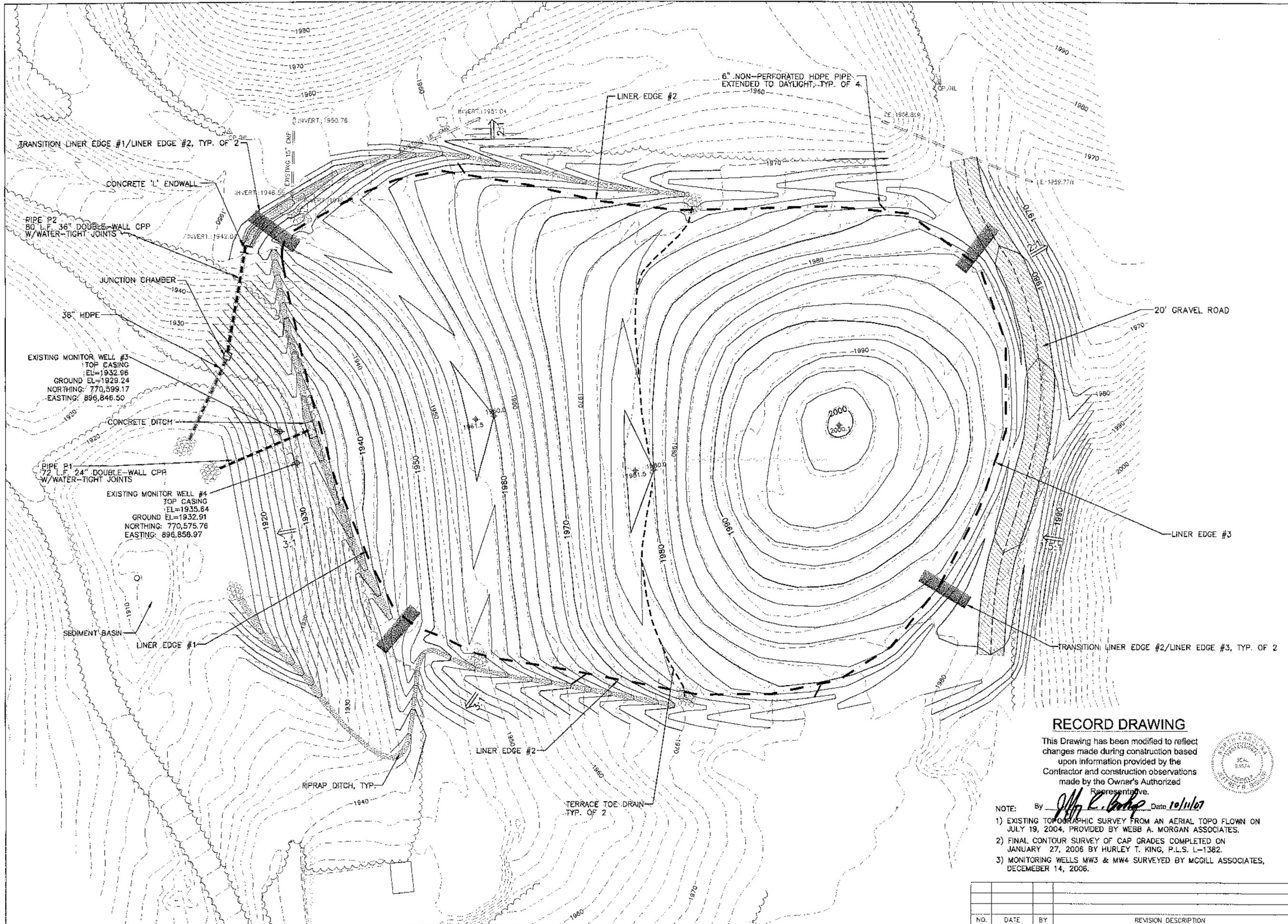
James L. Huff, Director
Madison County Solid Waste Department



MADISON COUNTY MSW LANDFILL
MONITORING WELL RAISING DETAIL

NOT TO SCALE

FIGURE 1



RECORD DRAWING

This Drawing has been modified to reflect changes made during construction based upon information provided by the Contractor and construction observations made by the Owner's Authorized Representative.

- NOTE: By *M. E. King* Date *10/11/07*
- 1) EXISTING TOPOGRAPHIC SURVEY FROM AN AERIAL TOPO FLOWN ON JULY 19, 2004, PROVIDED BY WEBB A. MORGAN ASSOCIATES.
 - 2) FINAL CONTOUR SURVEY OF CAP GRADES COMPLETED ON JANUARY 27, 2006 BY HURLEY T. KING, P.L.S. L-1382.
 - 3) MONITORING WELLS MW3 & MW4 SURVEYED BY MCGILL ASSOCIATES, DECEMBER 14, 2006.



NO.	DATE	BY	REVISION DESCRIPTION