

## Werner, Elizabeth

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**From:** Bill Sperry [bill.sperry@mcgillengineers.com]  
**Sent:** Monday, April 04, 2011 4:06 PM  
**To:** Werner, Elizabeth  
**Subject:** PDF Scan - Henderson County Landfill LFG Extraction System  
**Attachments:** McGill logo & text medium.jpg; File\_001.pdf

Elizabeth,

The attached file is a scan of the landfill gas extraction system that was prepared in June of 1999 by Stearns & Conrad, Inc. (now known as SCS) for NC Municipal LFG, LLC. This drawing shows the majority of the extraction wells; however, it does not show the ones in question. Apparently they were added sometime after 1999. The County's proposed improvements should not impact the landfill gas header system, only the wells near the proposed scale house. I hope this drawing is what you were looking for. If by chance we are able to locate a more updated drawing, we will have it scanned and will gladly forward it on to you. Thanks for your help.

Have a great day, Bill



### **Bill Sperry, PE**

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Phone: 828-252-0575  
Fax: 828-252-2518



Please consider the environment before printing this e-mail note

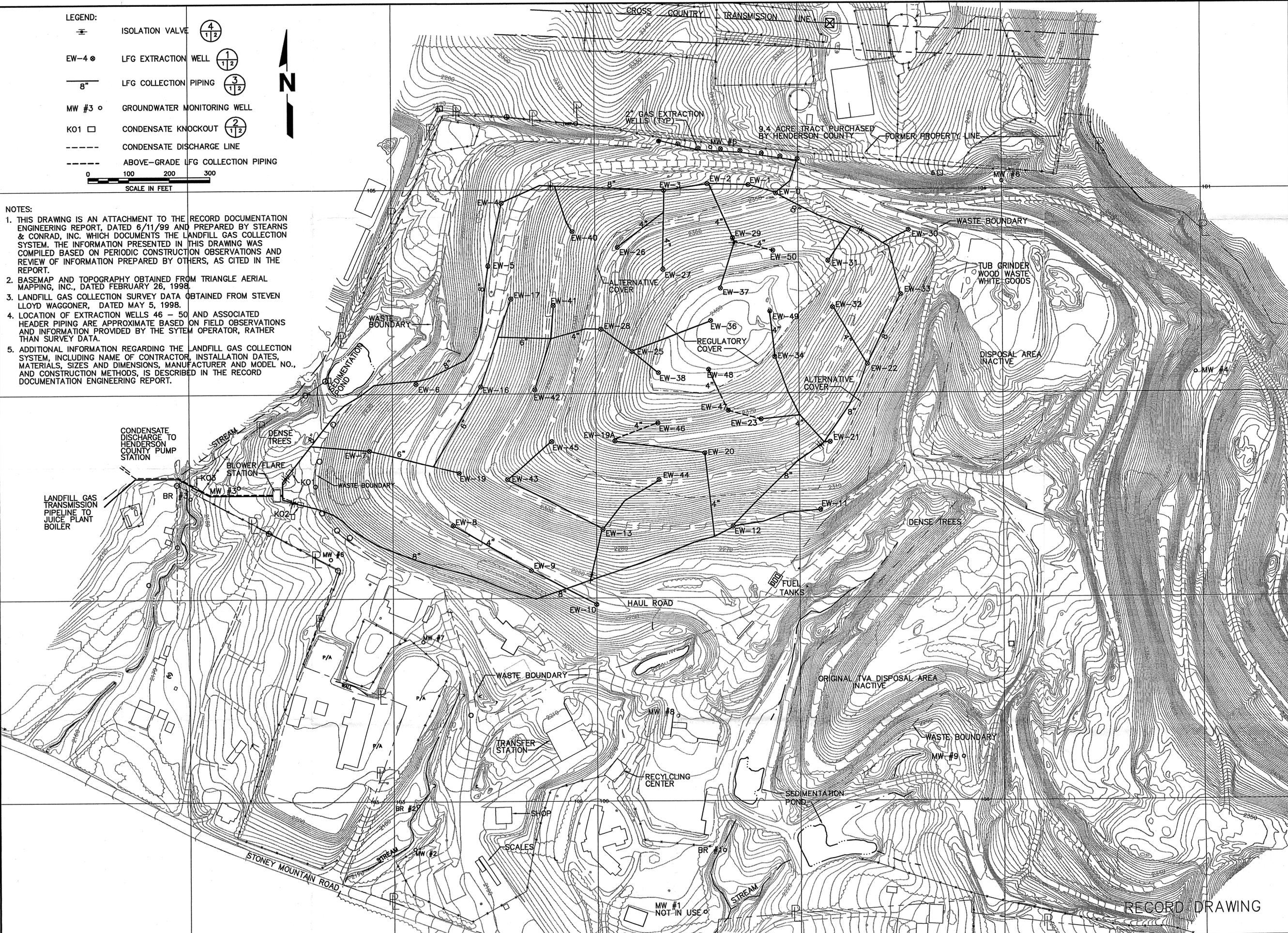
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**LEGEND:**

- ISOLATION VALVE 
- EW-4  LFG EXTRACTION WELL
- 8"  LFG COLLECTION PIPING
- MW #3  GROUNDWATER MONITORING WELL
- KO1  CONDENSATE KNOCKOUT
- CONDENSATE DISCHARGE LINE
- ABOVE-GRADE LFG COLLECTION PIPING

0 100 200 300  
SCALE IN FEET

- NOTES:**
- THIS DRAWING IS AN ATTACHMENT TO THE RECORD DOCUMENTATION ENGINEERING REPORT, DATED 6/11/99 AND PREPARED BY STEARNS & CONRAD, INC. WHICH DOCUMENTS THE LANDFILL GAS COLLECTION SYSTEM. THE INFORMATION PRESENTED IN THIS DRAWING WAS COMPILED BASED ON PERIODIC CONSTRUCTION OBSERVATIONS AND REVIEW OF INFORMATION PREPARED BY OTHERS, AS CITED IN THE REPORT.
  - BASEMAP AND TOPOGRAPHY OBTAINED FROM TRIANGLE AERIAL MAPPING, INC., DATED FEBRUARY 26, 1998.
  - LANDFILL GAS COLLECTION SURVEY DATA OBTAINED FROM STEVEN LLOYD WAGGONER, DATED MAY 5, 1998.
  - LOCATION OF EXTRACTION WELLS 46 - 50 AND ASSOCIATED HEADER PIPING ARE APPROXIMATE BASED ON FIELD OBSERVATIONS AND INFORMATION PROVIDED BY THE SYSTEM OPERATOR, RATHER THAN SURVEY DATA.
  - ADDITIONAL INFORMATION REGARDING THE LANDFILL GAS COLLECTION SYSTEM, INCLUDING NAME OF CONTRACTOR, INSTALLATION DATES, MATERIALS, SIZES AND DIMENSIONS, MANUFACTURER AND MODEL NO., AND CONSTRUCTION METHODS, IS DESCRIBED IN THE RECORD DOCUMENTATION ENGINEERING REPORT.



NO.	REVISION	DATE

**SHEET TITLE**  
LFG SYSTEM LAYOUT

**PROJECT TITLE**  
HENDERSON COUNTY LANDFILL  
HENDERSONVILLE, NORTH CAROLINA

**CLIENT**  
NC MUNICIPAL LFG, LLC  
7301 CARMEL EXECUTIVE PARK  
SUITE 208  
CHARLOTTE, NC 28226

**STEARNS & CONRAD, INC.**  
218 E. TREMONT AVENUE, SUITE C  
CHARLOTTE, NC 28203-5364  
(704) 377-4766

PROJ. NO. 0295057  
DWN. BY: EME  
CHK. BY: RED  
APP. BY: EME

**CADD FILE:** SHT1

**DATE:** 6-11-99

**SCALE:** 1"=100'

**DRAWING NO.:** 1 of 2

**RECORD DRAWING**

XREF: ABSITE, NOTES

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