



February 16, 2015

0739-604214.300

Mr. Ervin Lane, Hydrogeologist
NC DENR Division of Waste Management
Solid Waste Section
217 West Jones Street
Raleigh, North Carolina 27603

**RE: REQUEST FOR METHANE MONITORING NETWORK REVISION
CLOSED CITY OF DURHAM LANDFILL, PERMIT NO. 32-01
DURHAM COUNTY, NORTH CAROLINA**

Dear Ervin:

Golder Associates NC, Inc. (Golder), on behalf of the City of Durham, requests that methane monitoring well GP-14 be removed from the methane monitoring network at the closed City of Durham Landfill. As discussed during the inspection performed by the North Carolina Department of Environment and Natural Resources (NC DENR) at the above referenced facility on February 10, 2014, the screened interval of GP-14 is frequently inundated with groundwater. This has led to multiple recent quarterly methane monitoring events where methane readings have not been obtained, and other events where readings were obtained, but the validity of the readings are in question because water in the well prevented adequate purging of the well.

As observed during the February 20, 2014, inspection, a wetland is located downgradient of the landfill in the vicinity of GP-14 and serves as a barrier to methane migration in the area. Further, methane has not historically been detected in methane monitoring probes GP-13 and GP-15. Therefore, the removal of GP-14 will not impair the effectiveness on the methane monitoring network. Methane monitoring well GP-14 will not be abandoned in case groundwater levels decline in the area and/or if methane concerns arise. Thank you for your consideration and please contact the undersigned if you have any questions.

Sincerely,
GOLDER ASSOCIATES NC, INC.

David "Dusty" Y. Reedy II, P.G.
Senior Hydrogeologist

For
Rachel P. Kirkman, P.G.
Associate and Senior Consultant

Attachment: Methane Monitoring Location Map

C: Simon Lobdell, Civil Engineer III, City of Durham, 1600 Mist Lake Drive Durham, NC 27704.
919-560-4381. Simon.Lobdell@durhamnc.gov

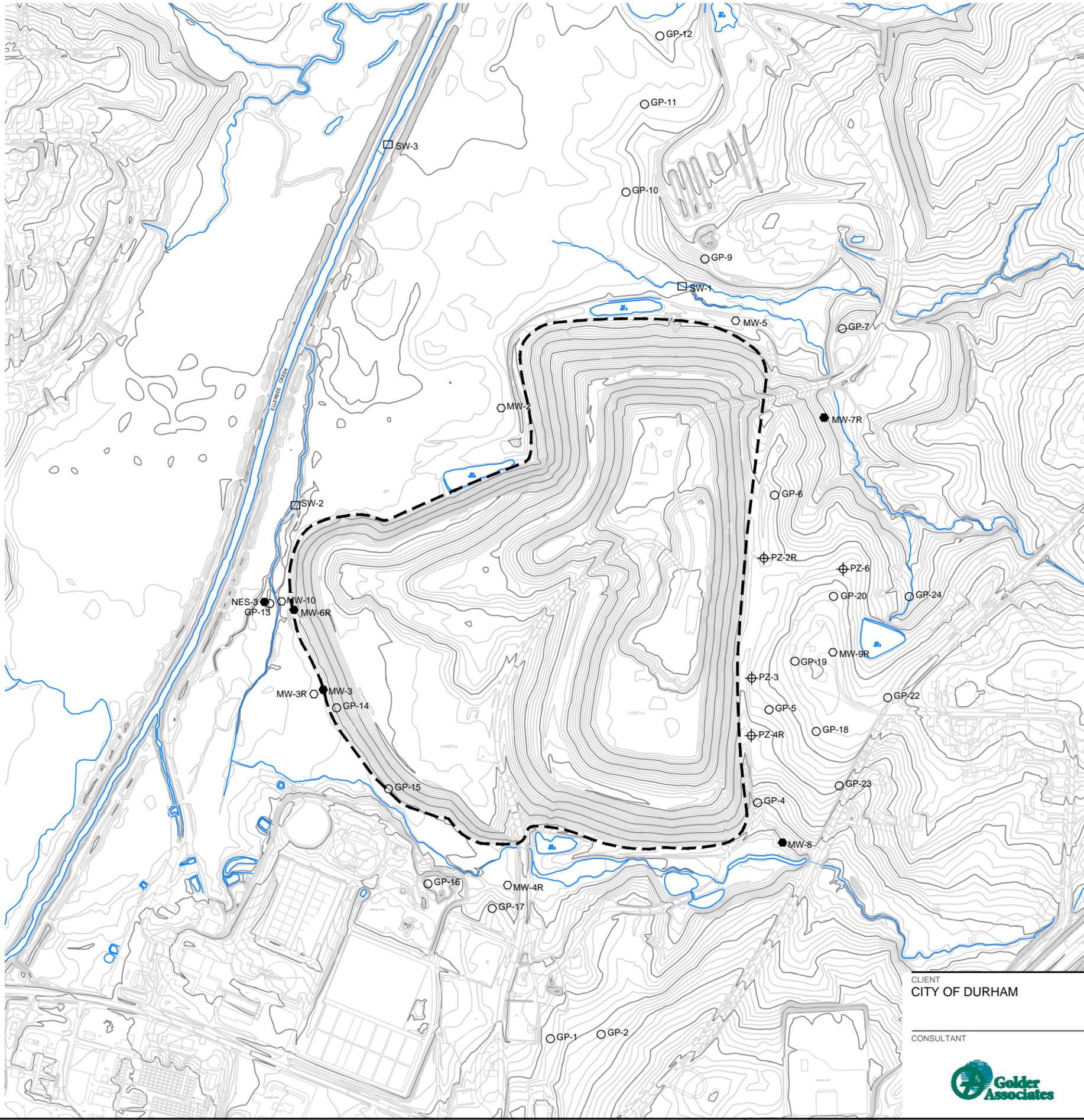
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LEGEND

	EXISTING 10' GROUND SURFACE CONTOUR
	EXISTING 2' GROUND SURFACE CONTOUR
	APPROXIMATE LIMITS OF WASTE
	EXISTING ROAD
	PIEZOMETER LOCATION AND GROUNDWATER ELEVATION
	SURFACE WATER MONITORING POINT
	COMPLIANCE MONITORING WELL
	NON-COMPLIANCE MONITORING WELL
	LANDFILL GAS MONITORING WELL

NOTES

1. TOPOGRAPHIC CONTOUR INTERVAL = 2 FEET
2. BASE MAP TOPOGRAPHIC MAP PROVIDED BY WESTON SOLUTIONS, INC. (FROM THEIR GROUNDWATER REPORT FOR THE DECEMBER 2006 SAMPLING EVENT).



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CLIENT
CITY OF DURHAM

CONSULTANT



YYYY-MM-DD	2014-12-02
PREPARED	DYR
DESIGN	LKB
REVIEW	DYR
APPROVED	RPK

PROJECT
CITY OF DURHAM
CLOSED LANDFILL, PERMIT #32-01
DURHAM, NORTH CAROLINA

TITLE
METHANE MONITORING LOCATION MAP

PROJECT No.	PHASE	Rev.	DRAWING
073-96042	100	0	1

1in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B