

May 16, 2024

Mr. Michael W. Smith, P.E.  
Environmental Engineer Senior  
Land Quality Bureau  
Iowa Department of Natural Resources  
6200 Park Avenue, Suite 200  
Des Moines, Iowa 50321



**RE: GP-4 - RESPONSE TO IDNR LETTER OF APRIL 30, 2024 (DOC #109939)  
NORTH CENTRAL IOWA REGIONAL SOLID WASTE AGENCY SLF  
IDNR PERMIT #94-SDP-01-75P**

Dear Mr. Smith:

This letter transmits the as-constructed information for subsurface gas probe GP-4 (aka SG-4), as approved for installation in the April 30, 2024, IDNR Letter (Doc #109939).

The boring log including the GP-4 construction information is attached along with a map illustrating the surveyed location of GP-4 adjacent to MW-25, near Gypsum Creek.

The elevation of the base of the screen at GP-4 is 1018.20. On the date of construction, the static water level in the adjacent MW-25 was recorded at elevation 1018.62. GP-4 appears to span the entire vadose zone near Gypsum Creek as desired.

GP-4 will be incorporated in the Gas Monitoring Plan for the site beginning in July of 2024.

Respectfully,  
**HLW Engineering Group**

A handwritten signature in blue ink that reads "Todd Whipple".

Todd Whipple, CPG.  
Project Manager

cc: Nik Myers, NCIRSWA (electronic copy)



HLW Engineering Group  
 204 West Broad Street, P.O. Box 314  
 Story City, Iowa 50248

Telephone: (515) 733-4144  
 Fax: (515) 733-4146

**HLW Engineering Group**

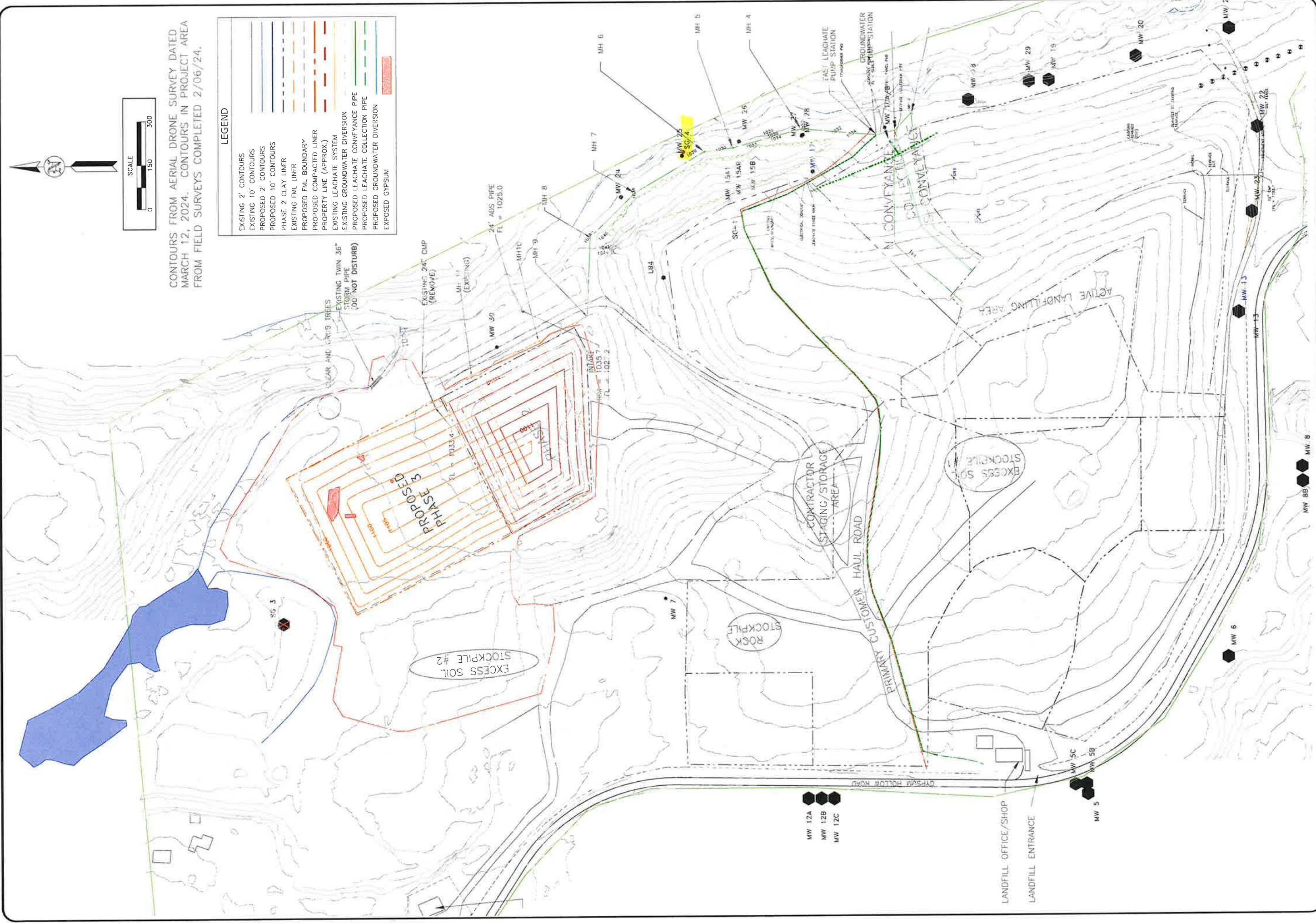
## LOG OF TEST BORING

Drillers \_\_\_\_\_ Boring No. GP-4 HLW Observer TDW  
 HLW Project No. 6030-23A.200

Date Drilled 4/23/2024 NORTH CENTRAL IOWA REGIONAL SOLID WASTE AGENCY  
 Surface Elevation 1029.3 ft 94-SDP-01-75P  
 Depth Drilled 11.1 FT GP-4 INSTALLATION  
 Drilling Method HAND AUGER - 4" O.D.  
 Depth to Water \_\_\_\_\_ ft @ completion (▽), \_\_\_\_\_ ft @ \_\_\_\_\_ hrs.(▽), \_\_\_\_\_ ft @ \_\_\_\_\_ hrs.

DEPTH FT	WELL DETAIL	SAMPLE		COLOR	MC %	CONSISTENCY	ELEV	SOIL DESCRIPTION
		NO.	TYPE					
	+3.9'							TOP OF PVC = 1033.24
0	TOP SOIL							
0.75	1" PVC			Brown	Moist	Medium		Silty Clay, Trace Sand & Small Gravel
1.1	BENTONITE CHIPS							
3	SAND			Brown & Gray Mottled				
5	1" PVC SCREEN							
10					Very Moist			
11								

E.O.B. @ 11.1 ft (10:30 AM)



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**SITE PLAN**  
 SG-4  
 NORTH CENTRAL IOWA REGIONAL SANITARY LANDFILL  
 FORT DODGE, IOWA

<b>FIGURE: 2</b>		
REVISION	NO.	DATE
DRAWN	PROJECT NO.	DATE
JGH	6030-23C	5/15/24