



Excellence through experience™

709 Gillette St., Ste #3 ♦ La Crosse, WI 54603 ♦ 1-800-552-2932 ♦ Fax (608) 781-8893 Email: rona@metcohq.com ♦ www.metcohq.com

January 24, 2019

Tom Verstegen
Wisconsin Department of Natural Resources
625 East County Road Y, Suite 700
Oshkosh, WI 54901

Subject: Hanson Property (Former Marinan) – Site Investigation cost cap exceedence request (>\$20K). BRRTS #: 03-59-000861, PECFA #: 54107-9999-06-A

Dear Mr. Verstegen,

A cost estimate (using Usual & Customary schedule of charges) is being submitted for completion of the site investigation at the subject property located at W3306 CTH BE in Bonduel (Hartland Township), Wisconsin. This is required due to COMM 47 rule changes (Comm 47.337(2)) which requires WDNR approval to exceed the cap, meaning any costs incurred above \$20,000 after April 30, 2006, will not be eligible for reimbursement unless previously approved.

As of today's date, \$7,263.50 has been spent of the \$20,000 Site Investigation Cap and included: [1] Potable Field Reconnaissance and [2] Geoprobe Project with nine borings ranging from 9-20 feet below ground surface (bgs) with 41 soil samples, 7 groundwater samples, and one private well sample collected for field (PID) and/or laboratory analysis (VOC 8260, VOC 524.2, PVOC/Naphthalene, and Lead).

The proposed workscope to complete the site investigation includes: [1] Drilling Project with the installation of six monitoring wells to approximately 22 feet bgs with 15-foot screens (*please note that groundwater ranged from 12 to 17 feet bgs during the Geoprobe project*). Soil samples will be collected for geologic description, field (PID) analysis, and laboratory analysis (PVOC+Naphthalene and GRO/TCLP Benzene & Lead for waste disposal characterization), [2] Two quarterly rounds of groundwater monitoring from all six site monitoring wells and one private well for laboratory analysis (VOC/PVOC+Naphthalene, Dissolved Lead, Nitrate/Nitrite, Sulfate, and/or Dissolved Iron & Manganese), [3] Surveying, [4] Waste Disposal, [5] Hydraulic Conductivity Testing, and [6] Completion of the Soil and Groundwater Investigation Report. The cost estimate for the proposed workscope is as follows:

Soil Boring/MW Permit	\$ 246.12
Drilling Project	\$ 8,628.17
Groundwater Monitoring	\$ 2,593.42
Laboratory Analysis	\$ 1,721.82
Surveying	\$ 1,288.88
Investigative Waste Disposal	\$ 1,835.62
Hydraulic Conductivity Testing	\$ 893.84
Soil and Groundwater Investigation Report	\$ 4,965.35
Change Order Request	<u>\$ 381.78</u>
Total	\$22,555.00

METCO is requesting a cost cap exceedence in the amount of \$9,818.50 (proposed additional costs to complete the investigation \$22,555.00 minus the remaining investigation budget \$12,736.50). This will bring the total site investigation costs to \$29,818.50.

Upon state approval of the proposed workscope and budget, METCO will proceed with the site investigation.

Attached are an updated site layout map with proposed monitoring well locations, soil & groundwater data tables, and draft standardized invoice form for the above workscope as required.

Should you have any questions, comments, or recommendations please contact me at our La Crosse office (608) 781-8879 or email at jasonp@metcohq.com.

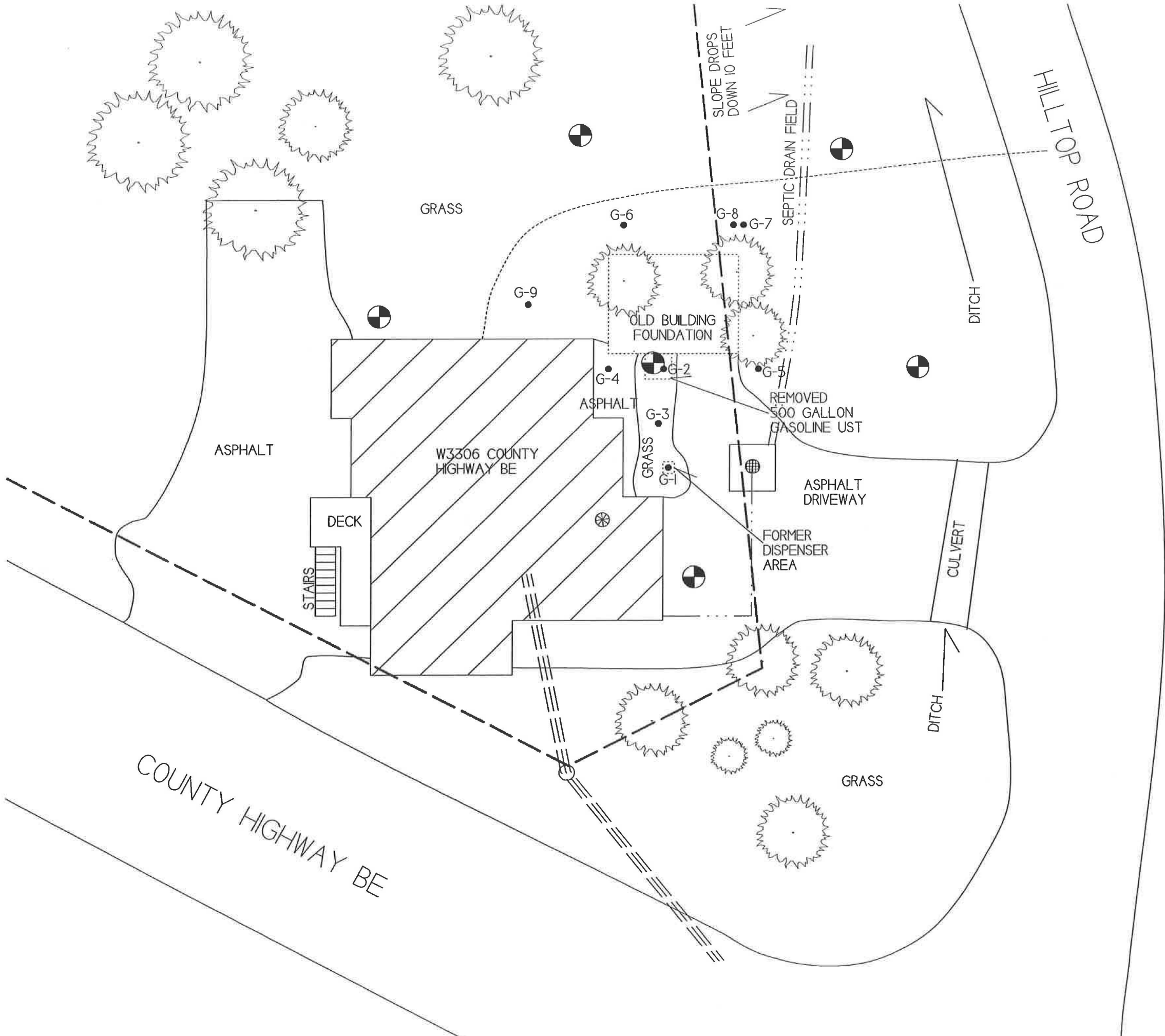
Sincerely,



Jason T. Powell
Staff Scientist

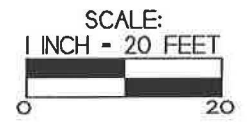
Attachments

c: Garrett Borowski – Client




B.I.B. DETAILED SITE MAP		
HANSON PROPERTY		
	709 Galleria St., Ste 2 La Crosse, WI 54603 Tel: (608) 791-8873 Fax: (608) 781-8893	TOWN OF HARTLAND, WISCONSIN DRAWN BY: HW DATE: 06/21/2019


- NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- = GEOPROBE BORING LOCATION (12/19/18)
 - ⊗ = PROPOSED MONITORING WELL LOCATION
 - ⊗ = POTABLE WELL LOCATION
 - ⊕ = SEPTIC MANHOLE
 - — — — — = PROPERTY BOUNDARY
 - - - - - = BURIED ELECTRIC LINE
 - ⋯⋯⋯ = TELEPHONE/CABLE LINE
 - — — — — = WATER LINE
 - — — — — = SANITARY SEWER LINE
 - — — — — = NATURAL GAS LINE
 - ≡ ≡ ≡ ≡ ≡ ≡ ≡ ≡ ≡ ≡ = OVERHEAD ELECTRIC LINE



B.I.b. DETAILED SITE MAP
(PROPERTY BOUNDARY)
HANSON PROPERTY

 METCO
 1100 Columbia St. Ste. 3
 La Crosse, WI 54601
 Fax: (608) 785-8833

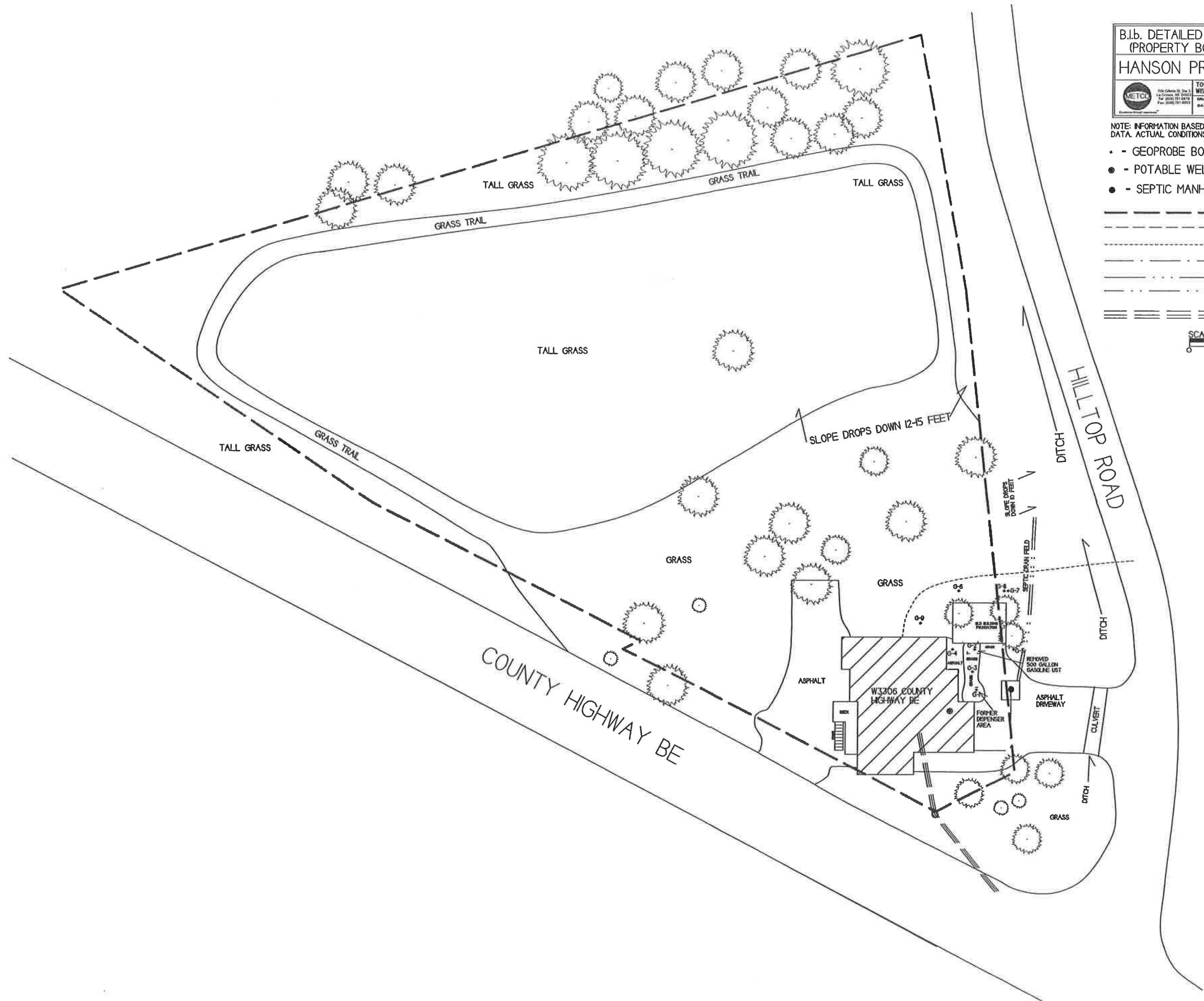
TOWN OF HARTLAND,
 WISCONSIN
 DRAWN BY: JHE
 DATE: 02/20/2018



NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.

- - GEOPROBE BORING LOCATION (12/19/18)
- - POTABLE WELL LOCATION
- - SEPTIC MANHOLE
- - PROPERTY BOUNDARY
- - - - - BURIED ELECTRIC LINE
- TELEPHONE/CABLE LINE
- WATER LINE
- SANITARY SEWER LINE
- NATURAL GAS LINE
- ==== OVERHEAD ELECTRIC LINE

SCALE: 1 INCH = 50 FEET

A.2 Soil Analytical Results Table
Hanson Property/Dehn's Ice Cream BRRTS #03-59-000861

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb)	DIRECT CONTACT PVOC		
																	Exceedance Count	Hazard Index	Cumulative Cancer Risk
G-1-1	3.5		12/19/18	0.30	4.77	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-1-2	8.0		12/19/18	0.30	NOT SAMPLED											NS			
G-1-3	9.0		12/19/18	0.70	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-2-1	3.5		12/19/18	1.50	308	NS	NS	<0.025	<0.025	<0.025	0.0291	0.068	0.05	0.043	0.153	NS	0	0.7706	5.3E-09
G-2-2	8.0		12/19/18	845	9.68	NS	NS	<0.3	19.9	<0.5	32	0.36	207	69	227	SEE VOC SHEET			
G-2-3	12.0		12/19/18	183	NS	NS	NS	<0.025	<0.025	<0.025	0.167	<0.025	<0.025	0.0308	<0.075	NS			
G-2-4	16.0		12/19/18	0.90	NOT SAMPLED											NS			
G-2-5	20.0		12/19/18	NM	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-3-1	3.5		12/19/18	0.40	6.41	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-3-2	8.0		12/19/18	0.80	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-3-3	12.0		12/19/18	0.60	NOT SAMPLED											NS			
G-3-4	16.0		12/19/18	0.80	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-3-5	18.0		12/19/18	0.50	NOT SAMPLED											NS			
G-4-1	3.5		12/19/18	0.30	2.08	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-4-2	8.0		12/19/18	0.30	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-4-3	12.0		12/19/18	0.50	NOT SAMPLED											NS			
G-4-4	14.0		12/19/18	0.30	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-4-5	18.0		12/19/18	0.20	NOT SAMPLED											NS			
G-5-1	3.5		12/19/18	0.30	3.97	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-5-2	8.0		12/19/18	0.30	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-5-3	12.0		12/19/18	0.30	NOT SAMPLED											NS			
G-5-4	16.0		12/19/18	0.40	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-5-5	18.0		12/19/18	0.60	NOT SAMPLED											NS			
G-6-1	3.5		12/19/18	0.30	3.80	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0		
G-6-2	8.0		12/19/18	0.30	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-6-3	12.0		12/19/18	0.40	NOT SAMPLED											NS			
G-6-4	16.0		12/19/18	0.40	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-6-5	18.0		12/19/18	0.40	NOT SAMPLED											NS			
G-7-1	3.5		12/19/18	0.30	NOT SAMPLED											NS	0		
G-7-2	8.0		12/19/18	0.40	NOT SAMPLED											NS			
G-7-3	10.0		12/19/18	0.40	NOT SAMPLED											NS			
G-8-1	3.5		12/19/18	0.20	NOT SAMPLED											NS	0		
G-8-2	8.0		12/19/18	0.30	NOT SAMPLED											NS			
G-8-3	12.0		12/19/18	0.30	NOT SAMPLED											NS			
G-8-4	16.0		12/19/18	0.30	NOT SAMPLED											NS			
G-8-5	17.0		12/19/18	0.30	NOT SAMPLED											NS			
G-9-1	3.5		12/19/18	0.30	NOT SAMPLED											NS	0		
G-9-2	8.0		12/19/18	0.20	NOT SAMPLED											NS			
G-9-3	12.0		12/19/18	0.20	NOT SAMPLED											NS			
G-9-4	16.0		12/19/18	0.10	NOT SAMPLED											NS			
G-9-5	18.0		12/19/18	0.30	NOT SAMPLED											NS			
Groundwater RCL					27	-	-	0.0051	1.57	0.027	0.6582	1.11	1.38		3.96	-			
Non-Industrial Direct Contact RCL					400	-	-	1.6	8.02	63.8	5.52	818	219	182	260	-		1.00E+00	1.00E-05
Industrial Direct Contact RCL					(800)	-	-	(7.07)	(35.4)	(282)	(24.1)	(818)	(219)	(182)	(260)	-		1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat)*					-	-	-	1820*	480*	8870*	-	818*	219*	182*	260*	-			

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
Italics = Industrial Direct Contact RCL
 NS = Not Sampled NM = Not Measured
 (ppm) = parts per million ND = No Detects
 DRO = Diesel Range Organics
 GRO = Gasoline Range Organics
 PID = Photoionization Detector
 PVOC's = Petroleum Volatile Organic Compounds
 VOC's = Volatile Organic Compounds
Note: Non-Industrial RCLs apply to this site.

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)
 S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

A.2 Soil Analytical Results Table
 Hanson Property/Dehn's Ice Cream BRRS #03-59-000861

Sampling Conducted on December 19, 2018

VOC's		Bold = Groundwater RCL	<u>Underline & Bold = Non- Industrial Direct Contact RCL</u>	(Parenthesis & Bold) = Industrial Direct Contact RCL	Asteric * & Bold =Soil Saturation (C- sat) RCL
Sample ID#	G-2-2				
Sample Depth/ft.	8				
Lead/ppm	9.68	27	<u>400</u>	(800)	==
Benzene/ppm	< 0.3	0.0051	<u>1.6</u>	(7.07)	1820*
Bromobenzene/ppm	< 0.25	==	<u>342</u>	(679)	==
Bromodichloromethane/ppm	< 0.74	0.0003	<u>0.418</u>	(1.83)	==
Bromoform/ppm	< 0.29	0.0023	<u>25.4</u>	(113)	==
tert-Butylbenzene/ppm	< 0.28	==	<u>183</u>	(183)	183*
sec-Butylbenzene/ppm	3.12	==	<u>145</u>	(145)	145*
n-Butylbenzene/ppm	21.1	==	<u>108</u>	(108)	108*
Carbon Tetrachloride/ppm	< 0.16	0.0039	<u>0.916</u>	(4.03)	==
Chlorobenzene/ppm	< 0.13	==	<u>370</u>	(761)	761*
Chloroethane/ppm	< 0.91	0.2266	==	==	==
Chloroform/ppm	< 0.35	0.0033	<u>0.454</u>	(1.98)	==
Chloromethane/ppm	< 0.76	0.0155	<u>159</u>	(669)	==
2-Chlorotoluene/ppm	< 0.15	==	==	==	==
4-Chlorotoluene/ppm	< 0.18	==	==	==	==
1,2-Dibromo-3-chloropropane/ppm	< 0.58	0.0002	<u>0.008</u>	(0.092)	==
Dibromochloromethane/ppm	< 0.25	0.032	<u>8.28</u>	(38.9)	==
1,4-Dichlorobenzene/ppm	< 0.37	0.144	<u>3.74</u>	(16.4)	==
1,3-Dichlorobenzene/ppm	< 0.37	1.1528	<u>297</u>	(297)	297*
1,2-Dichlorobenzene/ppm	< 0.28	1.168	<u>376</u>	(376)	376*
Dichlorodifluoromethane/ppm	< 0.48	3.0863	<u>126</u>	(530)	==
1,2-Dichloroethane/ppm	< 0.38	0.0028	<u>0.652</u>	(2.87)	540*
1,1-Dichloroethane/ppm	< 0.34	0.4834	<u>5.06</u>	(22.2)	==
1,1-Dichloroethene/ppm	< 0.22	0.005	<u>320</u>	(1190)	1190*
cis-1,2-Dichloroethene/ppm	< 0.32	0.0412	<u>156</u>	(2340)	==
trans-1,2-Dichloroethene/ppm	< 0.28	0.0626	<u>1560</u>	(1850)	==
1,2-Dichloropropane/ppm	< 0.35	0.0033	<u>3.4</u>	(15)	==
1,3-Dichloropropane/ppm	< 0.25	==	<u>1490</u>	(1490)	1490*
trans-1,3-Dichloropropene/ppm	< 0.22	0.003	<u>1510</u>	(1510)	==
cis-1,3-Dichloropropene/ppm	< 0.39	==	<u>1210</u>	(1210)	==
Di-isopropyl ether/ppm	< 0.1	==	<u>2260</u>	(2260)	2260*
EDB (1,2-Dibromoethane)/ppm	< 0.23	0.0000282	<u>0.05</u>	(0.221)	==
Ethylbenzene/ppm	19.9	1.57	<u>8.02</u>	(35.4)	480*
Hexachlorobutadiene/ppm	< 0.85	==	<u>1.63</u>	(7.19)	==
Isopropylbenzene/ppm	4.5	==	==	==	==
p-Isopropyltoluene/ppm	4	==	<u>162</u>	(162)	162*
Methylene chloride/ppm	< 1.5	0.0026	<u>61.8</u>	(1150)	==
Methyl tert-butyl ether (MTBE)/ppm	< 0.5	0.027	<u>63.8</u>	(282)	8870*
Naphthalene/ppm	32	0.6582	<u>5.52</u>	(24.1)	==
n-Propylbenzene/ppm	19.2	==	==	==	==
1,1,2,2-Tetrachloroethane/ppm	< 0.28	0.0002	<u>0.81</u>	(3.6)	==
1,1,1,2-Tetrachloroethane/ppm	< 0.28	0.0534	<u>2.78</u>	(12.3)	==
Tetrachloroethene (PCE)/ppm	< 0.32	0.0045	<u>33</u>	(145)	==
Toluene/ppm	0.36 "J"	1.1072	<u>818</u>	(818)	818*
1,2,4-Trichlorobenzene/ppm	< 0.64	0.408	<u>24</u>	(113)	==
1,2,3-Trichlorobenzene/ppm	< 0.66	==	<u>62.6</u>	(934)	==
1,1,1-Trichloroethane/ppm	< 0.3	0.1402	==	==	==
1,1,2-Trichloroethane/ppm	< 0.33	0.0032	<u>1.59</u>	(7.01)	==
Trichloroethene (TCE)/ppm	< 0.41	0.0036	<u>1.3</u>	(8.41)	==
Trichlorofluoromethane/ppm	< 0.41	2.2387	<u>1230</u>	(1230)	1230*
1,2,4-Trimethylbenzene/ppm	207	1.3787	<u>219</u>	(219)	219*
1,3,5-Trimethylbenzene/ppm	69	==	<u>182</u>	(182)	182*
Vinyl Chloride/ppm	< 0.19	0.0001	<u>0.07</u>	(2.08)	==
m&p-Xylene/ppm	191	3.96	<u>260</u>	(260)	258*
o-Xylene/ppm	36				

NS = Not Sampled, NM = Not Measured

(ppm) = parts per million

== No Exceedences

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Note: Non-Industrial RCLs apply to this site.

A.1 Groundwater Analytical Table

(Geoprobe)

Hanson Property/Dehn's Ice Cream BRRTS #03-59-000861

Sample ID	Date	GRO (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
POTABLE WELL	12/18/2018	NS	<0.23	<0.29	<0.27	<0.33	<0.28	<0.44	<0.65
G-2-W	12/19/2018	NS	<2.2	129	<5.7	163	8.5	1530	1455
G-3-W	12/19/2018	NS	0.32	<0.53	<0.57	<1.7	0.62	0.90-1.65	2.71
G-4-W	12/19/2018	NS	<i>0.60</i>	<0.53	<0.57	<1.7	0.99	0.77-1.52	0.82-1.82
G-5-W	12/19/2018	NS	<i>0.92</i>	0.67	<0.57	<1.7	1.59	1.62-2.37	2.67
G-6-W	12/19/2018	NS	<i>0.59</i>	<0.53	<0.57	<1.7	0.88	0.90-1.65	<1.58
G-8-W	12/19/2018	NS	0.49	<0.53	<0.57	<1.7	1.17	<1.48	0.58-1.58
G-9-W	12/19/2018	NS	0.47	<0.53	<0.57	<1.7	0.99	<1.48	<1.58
ENFORCEMENT STANDARD ES = Bold		-	5	700	60	100	800	480	2000
<i>PREVENTIVE ACTION LIMIT PAL = Italics</i>		-	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

NS = Not Sampled

(ppb) = parts per billion

(ppm) = parts per million

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

A.1 Groundwater Analytical Table
(VOC's)

Hanson Property/Dehn's Ice Cream BRRTS #03-59-000861

Well Sampling Conducted on December 18, 2018

VOC's

ENFORCEMENT STANDARD = ES - Bold	PREVENTIVE ACTION LIMIT = PAL - Italics
-------------------------------------	--

Well Name

POTABLE
WELL

Benzene/ppb	< 0.23	5	<i>0.5</i>
Bromobenzene/ppb	< 0.47	==	==
Bromodichloromethane/ppb	< 0.27	0.6	<i>0.06</i>
Bromoform/ppb	< 0.37	4.4	<i>0.44</i>
tert-Butylbenzene/ppb	< 0.66	==	==
sec-Butylbenzene/ppb	< 0.31	==	==
n-Butylbenzene/ppb	< 0.13	==	==
Carbon Tetrachloride/ppb	< 0.74	5	<i>0.5</i>
Chlorobenzene/ppb	< 0.23	==	==
Chloroethane/ppb	< 0.38	400	<i>80</i>
Chloroform/ppb	< 0.25	6	<i>0.6</i>
Chloromethane/ppb	< 0.16	30	<i>3</i>
2-Chlorotoluene/ppb	< 0.24	==	==
4-Chlorotoluene/ppb	< 0.43	==	==
1,2-Dibromo-3-chloropropane/ppb	< 0.37	0.2	<i>0.02</i>
Dibromochloromethane/ppb	< 0.37	60	<i>6</i>
1,4-Dichlorobenzene/ppb	< 0.28	75	<i>15</i>
1,3-Dichlorobenzene/ppb	< 0.38	600	<i>120</i>
1,2-Dichlorobenzene/ppb	< 0.33	600	<i>60</i>
Dichlorodifluoromethane/ppb	< 0.32	1000	<i>200</i>
1,2-Dichloroethane/ppb	< 0.28	5	<i>0.5</i>
1,1-Dichloroethane/ppb	< 0.34	850	<i>85</i>
1,1-Dichloroethene/ppb	< 0.4	7	<i>0.7</i>
cis-1,2-Dichloroethene/ppb	< 0.26	70	<i>7</i>
trans-1,2-Dichloroethene/ppb	< 0.34	100	<i>20</i>
1,2-Dichloropropane/ppb	< 0.29	5	<i>0.5</i>
2,2-Dichloropropane/ppb	< 0.29	==	==
1,3-Dichloropropane/ppb	< 0.15	==	==
Di-isopropyl ether/ppb	< 0.28	==	==
EDB (1,2-Dibromoethane)/ppb	< 0.29	0.05	<i>0.005</i>
Ethylbenzene/ppb	< 0.74	700	<i>140</i>
Hexachlorobutadiene/ppb	< 0.2	==	==
Isopropylbenzene/ppb	< 0.37	==	==
p-Isopropyltoluene/ppb	< 0.43	==	==
Methylene chloride/ppb	< 0.27	5	<i>0.5</i>
Methyl tert-butyl ether (MTBE)/ppb	< 0.33	60	<i>12</i>
Naphthalene/ppb	< 0.11	100	<i>10</i>
n-Propylbenzene/ppb	< 0.27	==	==
1,1,2,2-Tetrachloroethane/ppb	< 0.56	0.2	<i>0.02</i>
1,1,1,2-Tetrachloroethane/ppb	< 0.4	70	<i>7</i>
Tetrachloroethene (PCE)/ppb	< 0.28	5	<i>0.5</i>
Toluene/ppb	< 0.46	800	<i>160</i>
1,2,4-Trichlorobenzene/ppb	< 0.24	70	<i>14</i>
1,2,3-Trichlorobenzene/ppb	< 0.26	==	==
1,1,1-Trichloroethane/ppb	< 0.42	200	<i>40</i>
1,1,2-Trichloroethane/ppb	< 0.35	5	<i>0.5</i>
Trichloroethene (TCE)/ppb	< 0.33	5	<i>0.5</i>
Trichlorofluoromethane/ppb	< 0.28	==	==
1,2,4-Trimethylbenzene/ppb	< 0.26	Total TMB's 480	<i>Total TMB's 96</i>
1,3,5-Trimethylbenzene/ppb	< 0.18	0.2	<i>0.02</i>
Vinyl Chloride/ppb	< 0.14	Total Xylenes 2000	<i>Total Xylenes 400</i>
m&p-Xylene/ppb	< 0.4		
o-Xylene/ppb	< 0.25		

== No Exceedences
(ppb) = parts per billion

Usual and Customary Standardized Invoice #25

January 2019 - June 2019



RR-107a

PECFA #: 54107-9999-06-A
 BRRTS #: 03-59-000861
 Site Name: Hanson Property (Former Marinan)
 Site Address: W3306 CTH BE, Bonduel
 (Hartland Township), WI

Vendor Name: _____
 Invoice #: _____
 Invoice Date: _____
 Check #: _____

U&C Total \$ 22,555.00
 Variance to U&C Total \$ -
 Grand Total \$ 22,555.00

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
1	GW Sampling		GS05	Sample Collection	Well	\$ 72.45	14	\$ 1,014.30
1	GW Sampling		GS10	Incremental Sample Collection (natural attenuation)	Well	\$ 47.67	6	\$ 286.02
1	GW Sampling		GS15	Incremental Sample Collection (cadmium & lead)	Well	\$ 26.25	12	\$ 315.00
1	GW Sampling		GS25	Primary Mob/Demob	Site	\$ 690.92	1	\$ 690.92
4	Waste Disposal	Consultant	WD05	Consultant Coordination	Site	\$ 137.13	1	\$ 137.13
4	Waste Disposal	Commodity	WD10	GW Sample and/or Purge	Drum	\$ 42.11	2	\$ 84.22
4	Waste Disposal	Commodity	WD15	Drill Cuttings	Drum	\$ 108.15	12	\$ 1,297.80
4	Waste Disposal	Commodity	WD25	Primary Mob/Demob	Site	\$ 316.47	1	\$ 316.47
10	Initial Site Survey	Consultant	IS05	Coordination of Initial Site Survey (features + well elevations)	Survey	\$ 117.18	1	\$ 117.18
10	Initial Site Survey	Commodity	IS15	Initial Survey	Survey	\$ 1,171.70	1	\$ 1,171.70
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR05	0 - 25 ft bgs	Ft	\$ 5.40	138	\$ 745.20
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR20	Primary Mob/Demob	Site	\$ 652.34	1	\$ 652.34
14	Monitoring Well Installation	Consultant	MWI05	0 - 25 ft bgs	Ft	\$ 3.89	132	\$ 513.48
14	Monitoring Well Installation	Commodity	MWI15	2 inch PVC Casing	Ft	\$ 16.70	132	\$ 2,204.40
14	Monitoring Well Installation	Commodity	MWI20	Well Development	Well	\$ 147.63	6	\$ 885.78
15	Misc. Drilling Activities & Supplies		MDT05	Drill Rig Mob/Demob	Mob/Demob	\$ 1,059.72	1	\$ 1,059.72
15	Misc. Drilling Activities & Supplies		MDT10	Well Cover/flushmount	Each	\$ 202.65	6	\$ 1,215.90
15	Misc. Drilling Activities & Supplies		MDT21	Drum, 55 gal. DOT steel	Each	\$ 55.13	14	\$ 771.82
15	Misc. Drilling Activities & Supplies		MDT25	Commodity Service Provider Per Diem (drilling and direct push)	Person	\$ 203.28	2	\$ 406.56
15	Misc. Drilling Activities & Supplies		MDT45	Padlocks	Each	\$ 7.98	6	\$ 47.88
19	Hydraulic Conductivity Testing		HCT05	Hydraulic Conductivity Testing	Well	\$ 58.59	3	\$ 175.77
19	Hydraulic Conductivity Testing		HCT10	Primary Mob/Demob	Site	\$ 718.07	1	\$ 718.07
20	Soil Boring/Monitoring Well Permits		SBMWP05	Soil Boring/Monitoring Well Permit	Permit	\$ 246.12	1	\$ 246.12
20	Soil Boring/Monitoring Well Permits		SBMWP10	Permit Fee (copy of permit & fee receipt required)	Permit Fee			
23	Soil And GW Investigation Report		SGIR05	Soil and GW Investigation Report	Report	\$ 4,965.35	1	\$ 4,965.35
31	Consultant Overnight Per Diem		COPD05	Overnight	Night	\$ 125.09	1	\$ 125.09
33	Schedule Of Laboratory Maximums	Commodity		Laboratory (see task 33 total on Lab Schedule)	Lab Schedule			\$ 1,721.82
34	Consultant Incremental Mob/Demob		IMD05	Incremental Mob/Demob	Site	\$ 287.18	1	\$ 287.18
36	Change Order Request		COR05	Change Order Request (cost cap exceedance requests)	Change Order	\$ 381.78	1	\$ 381.78

Variance

Variance

Usual and Customary Standardized Invoice #25

January 2019 - June 2019



RR-107a

TOTAL LAB CHARGES \$ 1,721.82 TASK 33 64 \$ 1,721.82 TASK 24 0 \$ -

MATRIX	REF CODE	REIMBURSABLE ANALYTE	UNITS	MAX COST	SAMPLES	TOTAL	MAX COST	SAMPLES	TOTAL
AIR	A1	Benzene	SAMPLE	\$ 44.94		\$ -			
AIR	A2	BETX	SAMPLE	\$ 49.46		\$ -			
AIR	A3	GRO	SAMPLE	\$ 46.10		\$ -			
AIR	A4	VOC's	SAMPLE	\$ 71.93		\$ -			
WATER	W1	GRO/PVOC	SAMPLE	\$ 29.19		\$ -			
WATER	W2	PVOC	SAMPLE	\$ 26.99		\$ -			
WATER	W3	PVOC + 1,2 DCA	SAMPLE	\$ 43.79		\$ -			
WATER	W4	PVOC + Naphthalene	SAMPLE	\$ 30.35	8	\$ 242.80			
WATER	W5	VOC	SAMPLE	\$ 71.93	8	\$ 575.44			
WATER	W6	PAH	SAMPLE	\$ 72.98		\$ -			
WATER	W7	Lead	SAMPLE	\$ 12.39	12	\$ 148.68			
WATER	W8	Cadmium	SAMPLE	\$ 13.55		\$ -			
WATER	W9	Hardness	SAMPLE	\$ 12.39		\$ -			
WATER	W10	BOD, Total	SAMPLE	\$ 23.63		\$ -			
WATER	W11	Nitrate	SAMPLE	\$ 11.24	6	\$ 67.44			
WATER	W12	Total Kjeldahl	SAMPLE	\$ 20.27		\$ -			
WATER	W13	Ammonia	SAMPLE	\$ 16.91		\$ -			
WATER	W14	Sulfate	SAMPLE	\$ 10.19	6	\$ 61.14			
WATER	W15	Iron	SAMPLE	\$ 10.19	6	\$ 61.14			
WATER	W16	Manganese	SAMPLE	\$ 10.19	6	\$ 61.14			
WATER	W17	Alkalinity	SAMPLE	\$ 10.19		\$ -			
WATER	W18	methane	SAMPLE	\$ 46.10		\$ -			
WATER	W19	Phosphorous	SAMPLE	\$ 18.06		\$ -			
WATER	W20	VOC Method 524.2	SAMPLE	\$ 176.30		\$ -			
WATER	W21	EDB Method 504	SAMPLE	\$ 95.45		\$ -			
SOILS	S1	GRO	SAMPLE	\$ 24.78	2	\$ 49.56	\$ 24.78		\$ -
SOILS	S2	DRO	SAMPLE	\$ 30.35		\$ -	\$ 30.35		\$ -
SOILS	S3	GRO/PVOC	SAMPLE	\$ 28.14		\$ -	\$ 28.14		\$ -
SOILS	S4	PVOC	SAMPLE	\$ 25.83		\$ -	\$ 25.83		\$ -
SOILS	S5	PVOC + 1,2 DCA + Naphthalene	SAMPLE	\$ 49.46		\$ -	\$ 49.46		\$ -
SOILS	S6	PVOC + Naphthalene	SAMPLE	\$ 36.02	8	\$ 288.16	\$ 36.02		\$ -
SOILS	S7	VOC	SAMPLE	\$ 71.93		\$ -	\$ 71.93		\$ -
SOILS	S8	SPLP Extracation VOC only	SAMPLE	\$ 50.61		\$ -	\$ 50.61		\$ -
SOILS	S9	PAH	SAMPLE	\$ 72.98		\$ -	\$ 72.98		\$ -
SOILS	S10	Lead	SAMPLE	\$ 12.39		\$ -	\$ 12.39		\$ -
SOILS	S11	Cadmium	SAMPLE	\$ 14.60		\$ -			
SOILS	S12	Free Liquid	SAMPLE	\$ 11.24		\$ -			
SOILS	S13	Flash Point	SAMPLE	\$ 25.83		\$ -			
SOILS	S14	Grain Size - dry	SAMPLE	\$ 42.74		\$ -			
SOILS	S15	Grain Size - wet	SAMPLE	\$ 57.33		\$ -			
SOILS	S16	Bulk Density	SAMPLE	\$ 13.55		\$ -			
SOILS	S17	Permeability	SAMPLE	\$ 41.58		\$ -			
SOILS	S18	Nitrogen as Total Kjeldahl	SAMPLE	\$ 20.27		\$ -			
SOILS	S19	Nitrogen as Ammonia	SAMPLE	\$ 16.91		\$ -			
SOILS	S20	% Organic Matter	SAMPLE	\$ 29.19		\$ -			
SOILS	S21	TOC as NPOC	SAMPLE	\$ 57.33		\$ -			
SOILS	S22	Soil Moisture Content	SAMPLE	\$ 6.83		\$ -			
SOILS	S23	Air Filled Porosity	SAMPLE	\$ 25.83		\$ -			
SOILS	S24	% Total Solids	SAMPLE	\$ 6.83		\$ -			
SOILS	S25	Field Capacity	SAMPLE	\$ 28.14		\$ -			
SOILS	S26	TCLP Lead	SAMPLE	\$ 83.16	1	\$ 83.16			
SOILS	S27	Cation Exchange (Ca, MG, & K)	SAMPLE	\$ 26.99		\$ -			
SOILS	S28	TCLP Cadmium	SAMPLE	\$ 83.16		\$ -			
SOILS	S29	TCLP Benzene	SAMPLE	\$ 83.16	1	\$ 83.16			
		Viscosity + Density							
LNAPL	LFPS01	Interfacial tension I (LNAPL/water [dyne/cm])	SAMPLE	\$ 561.33		\$ -			
		Interfacial tension II (LNAPL/air [dyne/cm])							
		Interfacial tension III (water/air) [dyne/cm])							
						TASK 33 TOTAL	\$		1,721.82

MAX COST	SAMPLES	TOTAL
\$ 24.78		\$ -
\$ 30.35		\$ -
\$ 28.14		\$ -
\$ 25.83		\$ -
\$ 49.46		\$ -
\$ 36.02	8	\$ 288.16
\$ 71.93		\$ -
\$ 50.61		\$ -
\$ 72.98		\$ -
\$ 12.39		\$ -
TASK 24 TOTAL		
\$ -		\$ -