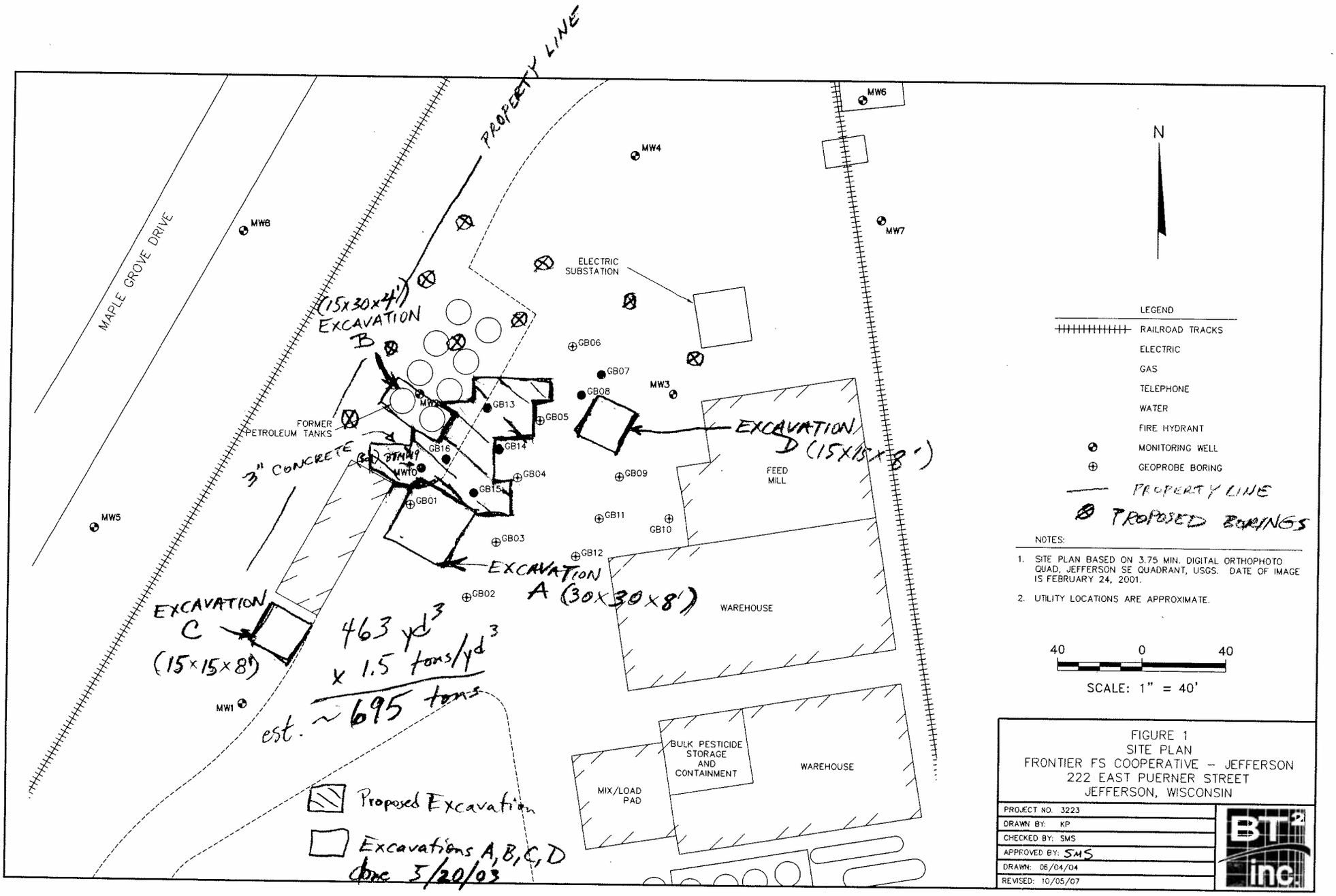
PROPERTY LINE
MAPLE GROVE DRIVE
MW8
MW6
MW4
MW7
MW5
MW1
MW2
MW3
MW10
ELECTRIC SUBSTATION
(15x30x4')
EXCAVATION B
FORMER PETROLEUM TANKS
3" CONCRETE
GB01
GB02
GB03
GB04
GB05
GB06
GB07
GB08
GB09
GB10
GB11
GB12
GB13
GB14
GB15
GB16
EXCAVATION D (15x15x8')
FEED MILL
EXCAVATION A (30x30x8')
WAREHOUSE
EXCAVATION C (15x15x8')
463 yd3
x 1.5 tons/yd3
est. ~695 tons
BULK PESTICIDE STORAGE AND CONTAINMENT
WAREHOUSE
MIX/LOAD PAD
Proposed Excavation
Excavations A,B,C,D done 5/20/03
N
LEGEND
RAILROAD TRACKS
ELECTRIC
GAS
TELEPHONE
WATER
FIRE HYDRANT
MONITORING WELL
GEOPROBE BORING
PROPERTY LINE
PROPOSED BORINGS
NOTES:
1. SITE PLAN BASED ON 3.75 MIN. DIGITAL ORTHOPHOTO QUAD, JEFFERSON SE QUADRANT, USGS. DATE OF IMAGE IS FEBRUARY 24, 2001.
2. UTILITY LOCATIONS ARE APPROXIMATE.
40 0 40
SCALE: 1" = 40'
FIGURE 1
SITE PLAN
FRONTIER FS COOPERATIVE – JEFFERSON
222 EAST PUERNER STREET
JEFFERSON, WISCONSIN
PROJECT NO. 3223
DRAWN BY: KP
CHECKED BY: SMS
APPROVED BY: SMS
DRAWN: 06/04/04
REVISED: 10/05/07
BT2 inc.

Table 1
Soil Analytical Results Summary - PVOCs
Jefferson Bulk Plant / BT^2 Project #3223
(Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE
BTMW9	4/30/2007	0-2	**43,000**	**200,000**	**88,000**	**1,090,000**	540,000	160,000	<3,100
GB1	4/30/2007	2-4	<25	360	180	1,050	250	170	51 Q
GB2	4/30/2007	2-4	<25	<25	<25	<75	<25	<25	<25
GB3	4/30/2007	2-4	<25	110	<25	76 Q	53 Q	74	<25
GB4	4/30/2007	2-4	**480**	260	36 Q	920	970	240	<25
GB5	4/30/2007	2-4	**840**	540	280	1,410	330	120	<25
GB6	4/30/2007	2-4	**430**	58 Q	<25	427	340	320	<25
GB7	4/30/2007	2-4	**3,000**	72 Q	190	170	<25	<25	48 Q
GB8	4/30/2007	2-4	**4,300**	**6,700**	900	**16,780**	7,600	2,100	360
GB9	4/30/2007	2-4	<25	<25	<25	<75	<25	<25	<25
GB10	4/30/2007	2-4	<25	<25	<25	<75	<25	<25	<25
GB11	4/30/2007	2-4	<25	<25	<25	<75	<25	<25	<25
GB12	4/30/2007	0-2	<25	<25	<25	<75	<25	<25	<25
GB13	4/30/2007	2-4	**7,600**	**100,000**	<2,000	**335,700**	250,000	85,000	2,800
GB14	4/30/2007	2-4	**3,600**	**38,000**	<620	**101,200**	88,000	28,000	810
GB15	4/30/2007	2-4	**19,000**	**160,000**	**11,000**	**494,000**	340,000	100,000	<2,500
GB16	4/30/2007	2-4	**6,000**	**53,000**	<620	**182,800**	150,000	44,000	1,300 Q
MeOH Blank	4/30/2007	--	<25	<25	<25	<50	<25	<25	<25

Table 1
Soil Analytical Results Summary - PVOCs
Jefferson Bulk Plant / BT^2 Project #3223
(Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE
NR 720 Residual Contaminant Level (RCL)			5.5	2,900	1,500	4,100	NE	NE	NE
NR 746 Table 1			8,500	4,600	38,000	42,000	83,000	11,000	NE
NR 746 Table 2			1,100	NE	NE	NE	NE	NE	NE

ABBREVIATIONS:
µg/kg = micrograms per kilogram or parts per billion (ppb)
PVOCs = petroleum volatile organic compounds
PID = Photo-Ionization Detector
MTBE = Methyl-tert-butyl ether
NE = Not Established
TMB = Trimethylbenzene

NOTES:
Bold+underlined values exceed NR 720 RCLs.
NR 720 RCL - Wisconsin Administrative Code (WAC), Chapter NR 720 Residual Contaminant Level.
NR 746 Table 1 - WAC, Chapter NR 746.06(2)(b) Table 1 - Indicators of Residual Petroleum Product in Soil Pores.
NR 746 Table 2 - WAC, Chapter NR 746.06(2)(b) Table 2 - Protection of Human Health from Direct Contact with Contaminated Soil.

LABORATORY NOTES/QUALIFIERS:
Q = The analyte has been detected between the limit of detection (LOD) and the limit of quantitation (LOQ).
The results are qualified due to the uncertainty of analyte concentrations within this range.

Created by: TLR Date: 5/30/2007
Last revision by: TLR Date: 5/30/2007
Checked by: SMS Date: 5/30/2007

I:\3223\Tables-General\[Soil_VOCs.xls]Soil VOCs

Advanced Consulting LLC
Table 1
Soil Analysis
Jefferson Bulk Plant
222 Puerner Street
Jefferson, WI 53549

Sample Description	Date	Depth Feet	Benzene ug/kg	Ethylbenzene ug/kg	MTBE ug/kg	Toluene ug/kg	1,2-DCA ug/kg	1,2,4-Trimethylbenzene ug/kg	1,3,5-Trimethylbenzene ug/kg	Xylenes ug/kg	Lead mg/kg
A	5/20/03	6-8	<30	110	<30	<30	N/A	335	93	239	N/A
B	5/20/03	6-8	1,860	**5,060**	<110	<293	N/A	32,000	9,050	8,120	N/A
C	5/20/03	6-8	1,750	3,500	<29	595	N/A	5,130	1,400	10,700	N/A
D	5/20/03	6-8	429	1,110	<32	152	N/A	3,660	922	4,170	N/A
North	5/20/03	7-8	45	747	<30	49	N/A	1,930	542	2,050	N/A
South	5/20/03	7-8	<110	1,060	<30	<120	N/A	2,800	1,020	1,950	N/A
East	5/20/03	7-8	1,580	**6,070**	<146	<146	N/A	24,300	7,650	11,300	N/A
West	5/20/03	7-8	848	1,900	<56	<56	N/A	7,810	2,340	2,900	N/A
Bottom 1	5/20/03	8	394	2,390	<30	<30	N/A	8,360	2,390	6,090	N/A
Grab Lead	5/20/03	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.6
NW	5/20/03	4-5	607	1,520	<63	<63	N/A	8,220	1,640	2,150	N/A
SW	5/20/03	4-5	256	1,340	<34	<34	N/A	7,690	1,950	2,440	N/A
EW	5/20/03	4-5	352	1,180	<63	<63	N/A	6,040	1,220	2,260	N/A
WW	5/20/03	4-5	496	2,160	<318	<318	N/A	7,760	2,290	3,690	N/A
Bottom 2	5/20/03	8	44	541	<30	53	N/A	1,560	397	1,560	N/A
Bottom 3	5/20/03	5	110	450	<30	<30	N/A	1,900	391	983	N/A
Bottom 4	5/20/03	8	<28	38	<28	<28	N/A	111	28	89	N/A
NW1	5/20/03	6-8	<28	<28	<28	<28	N/A	33	<28	<83	N/A
EW1	5/20/03	6-8	286	1,220	<62	75	N/A	5,350	510	3,980	N/A
SW1	5/20/03	6-8	76	508	<30	<30	N/A	2,910	557	1,450	N/A
WW1	5/20/03	6-8	<296	1,900	<296	<296	N/A	3,550	<296	2,010	N/A
Table 1	---	---	8500	4600	N/A	38000	600	83000	11000	42000	100
Table 2			1100	N/A	N/A	N/A	540	N/A	N/A	N/A	N/A

Table 1= NR 746 Table 1 Indicators of Residual Petroleum Product in Soil Pores
Table 2= NR 746 Table 2 Protection of Human Health From Direct Contact with Contaminated Soil(top 4ft)

GRO=Gasoline Range Organics
MTBE=Methyl tertiary butyl ether
NA=Not Available
NS=No Standards

ug/kg= micrograms per kilogram
mg/kg= milligram per kilogram
Shaded cells indicate exceedances of NR 746 Table 1
Bold=exceedances of Table 2