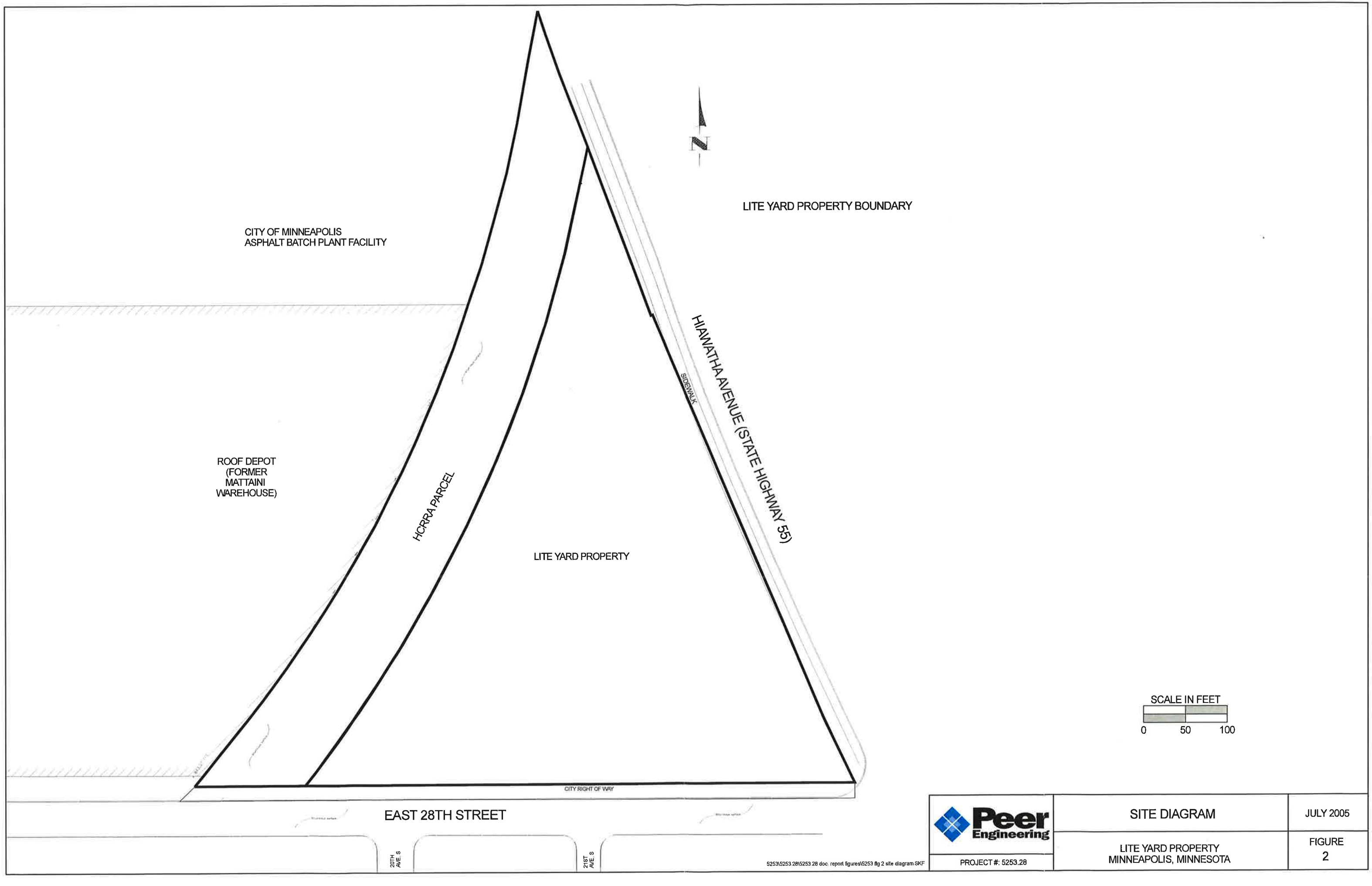
Table 7
Analytical Testing Results
South Berm Samples
Lite Yard Property
Minneapolis, Minnesota

Parameter	South Berm West Pace Lab Report # 102460	South Berm Center Pace Lab Report # 102406	South Berm East Pace Lab Report # 102460	South Berm Composite Pace Lab Report # 103488	South Berm-1 Pace Lab Report # 104359	South Berm-2 Pace Lab Report # 104359	South Berm-3 Pace Lab Report # 104359	South Berm-4 Pace Lab Report # 104359	Residential Soil Reference Value (mg/kg)	Industrial Soil Reference Value (mg/kg)	Tier 1 Soil Leaching Value (mg/kg)
Sample Date	10/29/2004	10/29/2004	10/29/2004	11/18/2004	12/7/2004	12/7/2004	12/7/2004	12/7/2004			
Metals - Total (mg/kg)											
Arsenic	217	273	121	NA	27.9	623	1,150	5,460	10	25	15.1
Barium	79.4	68	47.2	NA	NA	NA	NA	NA	1,200	12,500	842
Cadmium	2.4	2.8	1.4	NA	NA	NA	NA	NA	35	250	4.4
Chromium*	11.2	ND (10.4)	13.8	NA	NA	NA	NA	NA	71	425	18
Mercury	1.6	4.2	2.2	11.1	0.17	5.5	12.8	35.2	0.7	2	1.6
Lead	103	42.1	47	NA	23.9	222	307	400	400	700	525
Selenium	ND (16.4)	ND (15.6)	ND (13.4)	NA	NA	NA	NA	NA	170	1,250	1.5
Silver	ND (10.9)	ND (10.4)	ND (8.9)	NA	NA	NA	NA	NA	170	1,250	3.9
Metals - TCLP (mg/L)											
Arsenic	0.19	0.92	0.26	NA	ND(0.050)	0.13	2.20	8.50	---	---	---
Barium	0.71	0.60	0.60	NA	NA	NA	NA	NA	---	---	---
Cadmium	0.017	0.031	0.017	NA	NA	NA	NA	NA	---	---	---
Chromium*	ND (0.050)	ND (0.050)	ND (0.050)	NA	NA	NA	NA	NA	---	---	---
Mercury	ND (0.0008)	ND (0.0008)	ND (0.0008)	ND (0.0008)	NA	ND (0.0008)	ND (0.0008)	ND (0.0008)	---	---	---
Lead	0.016	ND (0.015)	ND (0.015)	NA	ND(0.015)	0.028	0.15	ND(0.015)	---	---	---
Selenium	ND (0.075)	ND (0.075)	ND (0.075)	NA	NA	NA	NA	NA	---	---	---
Silver	ND (0.050)	ND (0.050)	ND (0.050)	NA	NA	NA	NA	NA	---	---	---
Semi-Volatile Organic Compounds (SVOCs) (mg/kg)											
Acenaphthene	0.442	0.394	ND (0.365)	NA	NA	NA	NA	NA	1,200	5,260	50
Anthracene	0.998	0.988	0.378	NA	NA	NA	NA	NA	7,880	45,400	942
Benzo(a)anthracene	3.0	2.96	0.945	NA	NA	NA	NA	NA	***	***	***
Benzo(b)fluoranthene	4.10	4.84	ND (0.365)	NA	NA	NA	NA	NA	***	***	***
Carbazole	0.384	ND (0.376)	ND (0.365)	NA	NA	NA	NA	NA	NE	NE	NE
Chrysene	2.86	3.06	1.09	NA	NA	NA	NA	NA	***	***	***
bis(2-Ethylhexyl)phthalate	ND (0.379)	1.75	ND (0.365)	NA	NA	NA	NA	NA	NE	NE	NE
Fluoranthene	5.99	6.01	2.45	NA	NA	NA	NA	NA	1,080	6,800	295
Fluorene	0.48	0.454	0.399	NA	NA	NA	NA	NA	850	4,120	47
2-Methylnaphthalene	0.471	ND (376)	ND (0.365)	NA	NA	NA	NA	NA	NE	NE	NE
Phenanthrene	4.87	4.42	1.59	NA	NA	NA	NA	NA	NE	NE	NE
Pyrene	5.24	5.13	1.86	NA	NA	NA	NA	NA	890	5,800	272
All other reported SVOCs	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
BaP Equivalent**	0.74	0.81	0.11	NA	NA	NA	NA	NA	2	4	10.2
Volatile Organic Compounds (VOCs) (mg/kg)											
Acetone	ND (0.290)	ND (0.290)	0.48	NA	NA	NA	NA	NA	320	1,000	0.7
Naphthalene	ND (0.057)	0.065	ND (0.055)	NA	NA	NA	NA	NA	10	28	7.5
Toluene	ND (0.057)	ND (0.058)	1.7	NA	NA	NA	NA	NA	107	305	6.4
All other reported VOCs	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (PCBs) (mg/kg)											
PCB-1016	ND (0.038)	ND (0.038)	ND (0.036)	NA	NA	NA	NA	NA	NE	NE	NE
PCB-1221	ND (0.038)	ND (0.038)	ND (0.036)	NA	NA	NA	NA	NA	NE	NE	NE
PCB-1232	ND (0.038)	ND (0.038)	ND (0.036)	NA	NA	NA	NA	NA	NE	NE	NE
PCB-1242	ND (0.038)	ND (0.038)	ND (0.036)	NA	NA	NA	NA	NA	NE	NE	NE
PCB-1248	ND (0.038)	ND (0.038)	ND (0.036)	NA	NA	NA	NA	NA	NE	NE	NE
PCB-1254	ND (0.038)	0.10	ND (0.036)	NA	NA	NA	NA	NA	NE	NE	NE
PCB-1260	ND (0.038)	ND (0.038)	ND (0.036)	NA	NA	NA	NA	NA	NE	NE	NE
PCB-1268	ND (0.038)	ND (0.038)	ND (0.036)	NA	NA	NA	NA	NA	NE	NE	NE
Total PCBs	ND (0.038)	0.10	ND (0.036)	NA	NA	NA	NA	NA	1	8	2

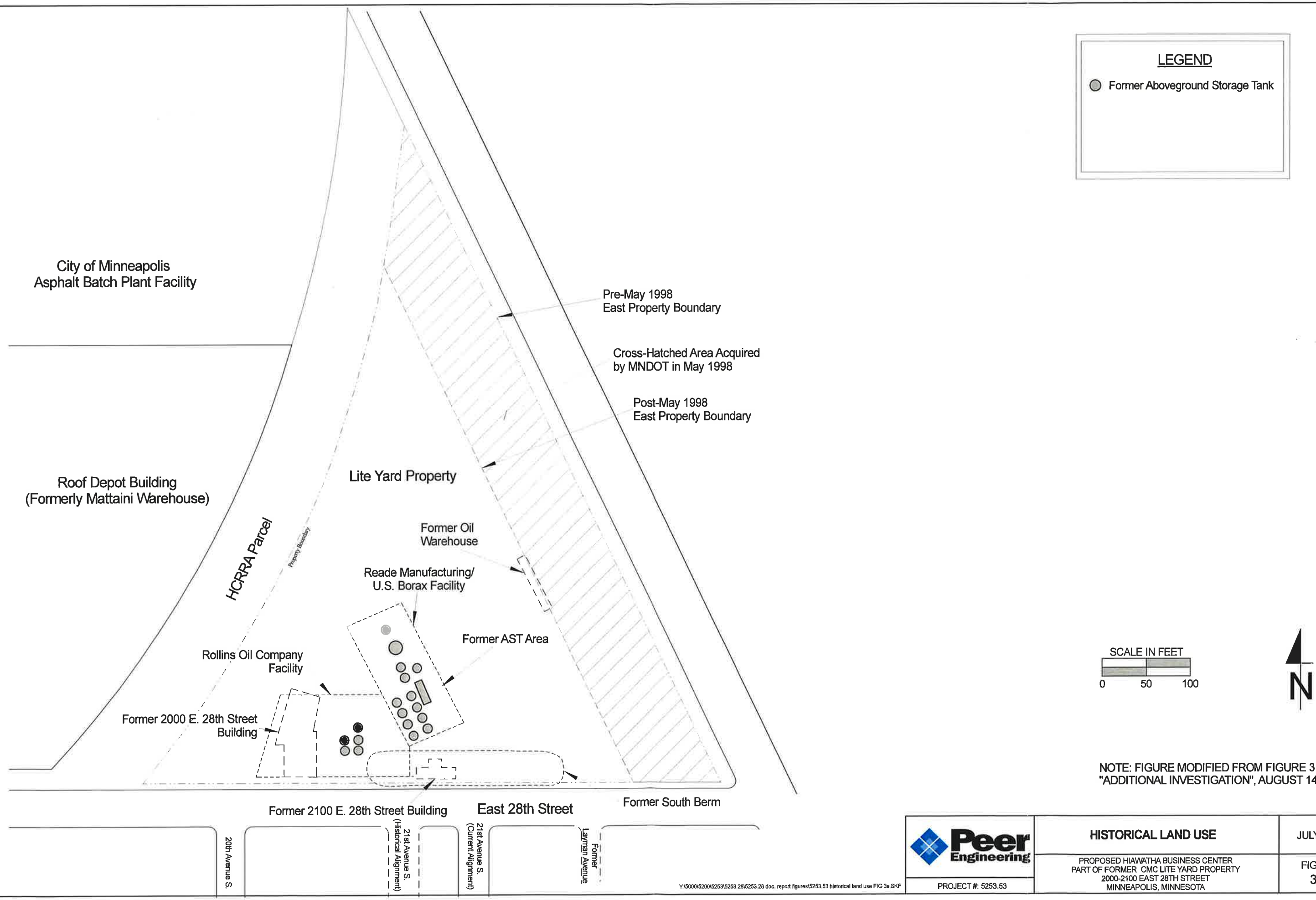
NOTES:
mg/kg = Milligrams per kilogram.
mg/L = Milligrams per liter.
ND = Parameter was not detected at or above the laboratory reporting limit indicated in parenthesis.
NA = Not Analyzed for this parameter.
NE = Not established.
SRV = 1999 Residential and Industrial Soil Reference Values established by the Minnesota Pollution Control Agency (MPCA).
SLV = November 1999 Tier 1Soil Leaching Value established by the MPCA.
*Standard for hexavalent chromium is provided.
**Benzo(a)pyrene (BaP) equivalent is a calculated value based on the weighted concentration and toxicity of the following PAH compounds: benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-c,d)pyrene.
***Individual standard not established, compound included in calculation of BaP equivalent.
A = Duplicate Sample.



Peer Engineering

PROJECT #: 5253.28	SITE DIAGRAM	JULY 2005
	LITE YARD PROPERTY MINNEAPOLIS, MINNESOTA	FIGURE 2

5253\5253.28\5253.28 doc. report figures\5253 fig 2 site diagram SKF



NOTE: FIGURE MODIFIED FROM FIGURE 3 OF "ADDITIONAL INVESTIGATION", AUGUST 14, 1998

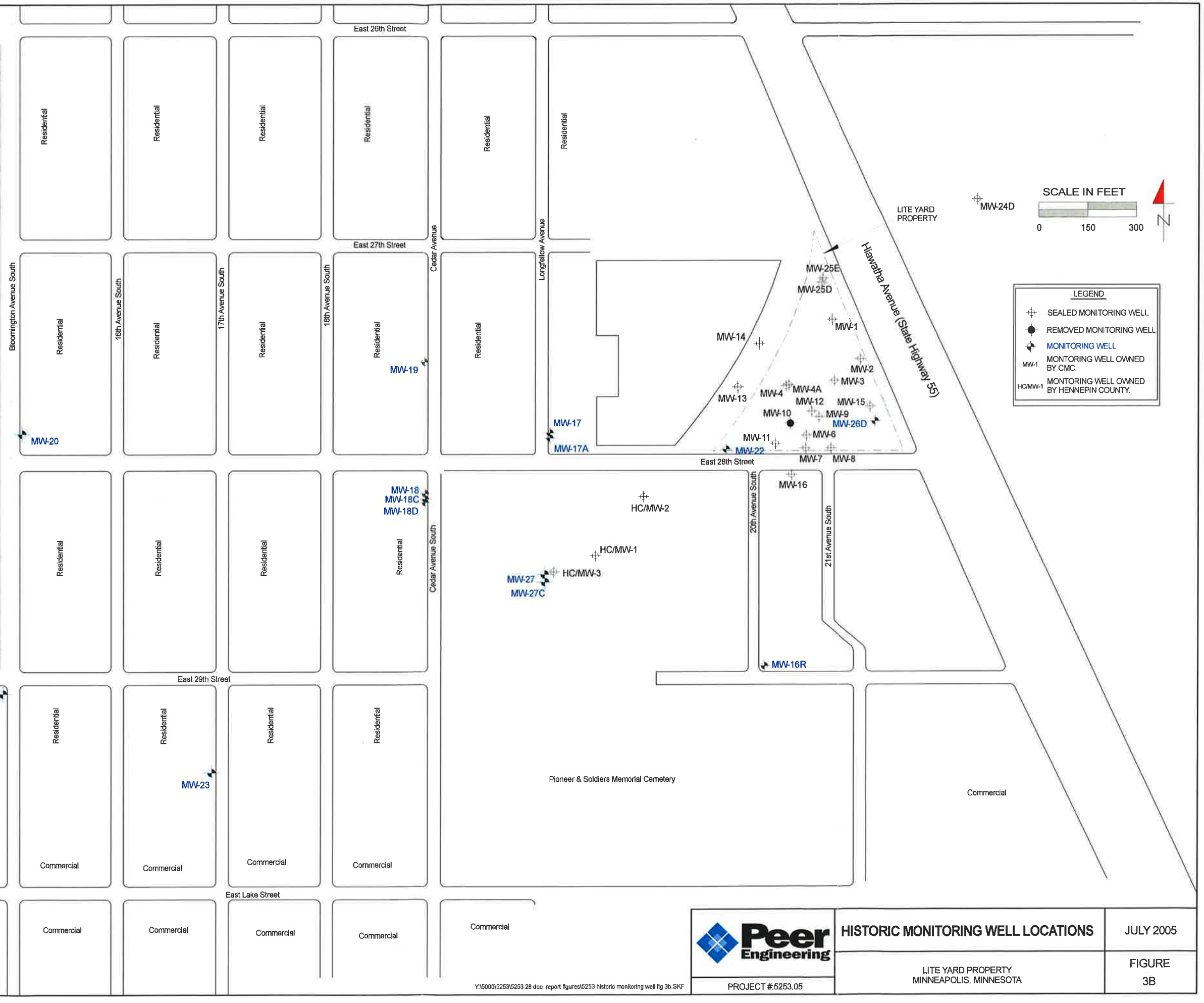
Y:\5000\5200\5253\5253.28\5253.28 doc. report figures\5253.53 historical land use FIG 3a SKF

Peer Engineering	**HISTORICAL LAND USE**	JULY 2005
PROJECT #: 5253.53	PROPOSED HIAWATHA BUSINESS CENTER PART OF FORMER CMC LITE YARD PROPERTY 2000-2100 EAST 28TH STREET MINNEAPOLIS, MINNESOTA	FIGURE 3A

Monitoring Well Status Summary
CMC Lite Yard SIte
Minneapolis, Minneapolis

Well No.	MDH Unique Well No.	Status	Date Sealed (if applicable)
MW-1	576216	Sealed	10/9/2004
MW-2	576217	Sealed	10/9/2004
MW-3	576218	Sealed	11/16/1998
MW-4	576219	Sealed	10/9/2004
MW-4A	576176	Sealed	10/9/2004
MW-6	490364	Sealed	12/31/1998
MW-7	490365	Sealed	12/31/1998
MW-8	490366	Sealed	12/31/1998
MW-9	490367	Sealed	12/31/1998
MW-10	478998	Removed	5/6/2005
MW-11	478999	Sealed	12/31/1998
MW-12	550842	Sealed	12/31/1998
MW-13	576177	Sealed	10/9/2004
MW-14	576178	Sealed	10/9/2004
MW-15	576175	Sealed	10/9/2004
MW-16	576179	Sealed	9/21/2000
MW-16R	599675	Active	NA
MW-17	594026	Active	NA
MW-17A	594027	Active	NA
MW-18	594029	Active	NA
MW-18C	668821	Active	NA
MW-18D	608679	Active	NA
MW-19	594028	Active	NA
MW-20	598239	Active	NA
MW-21	598240	Active	NA
MW-22	608680	Active	NA
MW-23	608678	Active	NA
MW-24D	635438	Sealed	8/23/2001
MW-25D	668818	Sealed	4/14/2005
MW-25E	668819	Sealed	4/14/2005
MW-26D	668820	Active	NA
HC/MW-1	532263	Sealed	8/6/2003
HC/MW-2	532264	Sealed	8/6/2003
HC/MW-3	532265	Sealed	1/17/2002
MW-27	701960	Active	NA
MW-27C	701959	Active	NA

NOTES:	
NA	Not Applicable
MDH	Minnesota Department of Health
1	Water Table Aquifer
2	Base of Water Table Aquifer
3	Platteville Limestone Aquifer
4	St. Peter Sandstone Aquifer



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HISTORIC MONITORING WELL LOCATIONS

JULY 2005

LITE YARD PROPERTY
MINNEAPOLIS, MINNESOTA

FIGURE 3B

PROJECT #:5253.05

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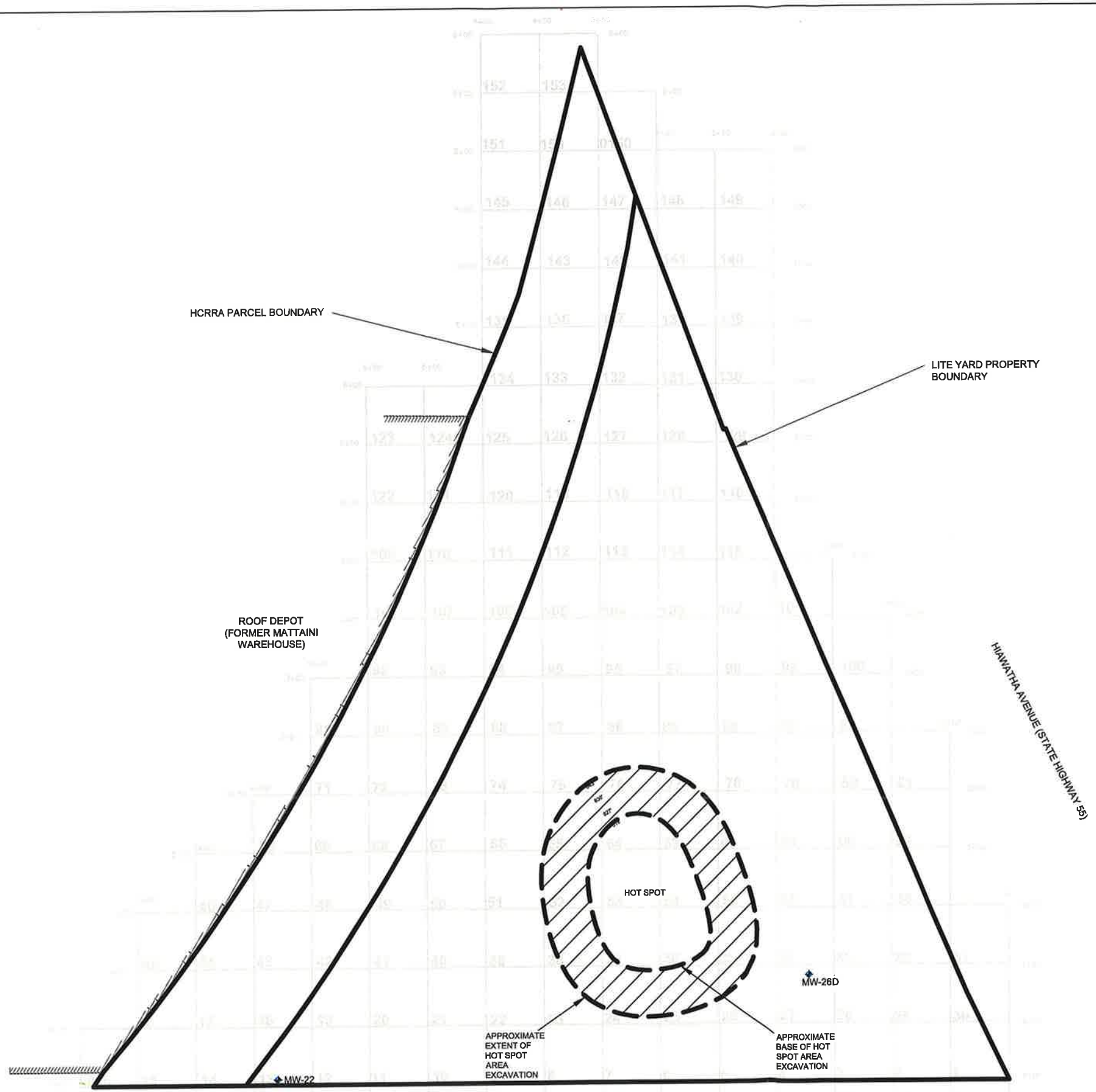

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Peer Engineering	SITE GRID SYSTEM	JULY 2005
PROJECT #: 5253.28	LITE YARD PROPERTY MINNEAPOLIS, MINNESOTA	FIGURE 4

LEGEND

MONITORING WELL LOCATION

HCRRA PARCEL BOUNDARY

CITY OF MINNEAPOLIS
ASPHALT BATCH PLANT FACILITY

SUPPORT ZONE)

CONTAMINATION REDUCTION
ZONE (HCRRA)

ROOF DEPOT
(FORMER
MATTAINI
WAREHOUSE)

GENERAL TRAFFIC FLOW

TEMPORARY SOIL STOCKPILE
STAGING AREA

LITE YARD PROPERTY BOUNDARY

USED ASPHALT STOCKPILES

SOUTH HCRRA STOCKPILES

SIDEWALK

HIAWATHA AVENUE (STATE HIGHWAY 55)

HOT SPOT

LAYBACK

MW-28D

CONTAMINATION REDUCTION
ZONE (LITE YARD PROPERTY)

EAST 28TH STREET

20TH AVE. S

21ST AVE. S

SCALE IN FEET

0 50 100

SITE FEATURES SUCH AS ROADS, PROPERTY BOUNDARIES BUILDINGS, SIDEWALKS, AND MONITORING WELLS ARE BASED ON "CERTIFICATE OF SURVEY" DATED NOVEMBER 19, 2001 AND "TOPOGRAPHIC SURVEY" DATED 5/13/1999 BOTH BY HAKANSON ANDERSON ASSOCIATES, INC..

PeerCAD\5253\5253.28\5253.28.doc report figures\5253 Fig 6 Work Zones SKF

Peer Engineering	WORK ZONES	JULY 2005
PROJECT #: 5253.28	LITE YARD PROPERTY MINNEAPOLIS, MINNESOTA	FIGURE 5

LEGEND

⊠ PERIMETER MONITORING LOCATION

W PORTABLE WEATHER STATION

P355

HCRRA PARCEL BOUNDARY

LITE YARD PROPERTY BOUNDARY

CITY OF MINNEAPOLIS
ASPHALT BATCH PLANT FACILITY

HIAWATHA AVENUE (STATE HIGHWAY 55)

SIDEWALK

W

ROOF DEPOT
(FORMER
MATTAINI
WAREHOUSE)

P300

P40

P250

P200

P120

EAST 28TH STREET

20TH AVE S

21ST AVE S

SCALE IN FEET

0 50 100

SITE FEATURES SUCH AS ROADS, PROPERTY BOUNDARIES BUILDINGS, SIDEWALKS, AND MONITORING WELLS ARE BASED ON "CERTIFICATE OF SURVEY" DATED NOVEMBER 19, 2001 AND "TOPOGRAPHIC SURVEY" DATED 5/13/1999 BOTH BY HAKANSON ANDERSON ASSOCIATES, INC.

Peer Engineering	AIR MONITORING STATIONS	JULY 2005
PROJECT #: 5253.28	LITE YARD PROPERTY MINNEAPOLIS, MINNESOTA	FIGURE 6

PeerCAD\5253\5253.28\5253.doc. report figures\5253 Fig 12 Air Monitoring Stations SKF

LEGEND

119 GRID NUMBER

HOT SPOT LAYBACK (BASE ELEVATION 818', TOP ELEVATION 838')

HCRRA PARCEL BOUNDARY

LITE YARD PROPERTY BOUNDARY

APPROXIMATE BASE OF HOT SPOT AREA EXCAVATION

APPROXIMATE EXTENT OF HOT SPOT AREA EXCAVATION

ROOF DEPOT (FORMER MATTAINI WAREHOUSE)

HIAWATHA AVENUE (STATE HIGHWAY 55)

RAILROAD TRACKS AND TIES

HOT SPOT

UST

MISSING WELL MW-10

APPROXIMATE LOCATION OF BURIED LIMESTONE BLOCK AND CONCRETE FOUNDATION

BURIED BATTERY CASINGS

SOUTH BERM

PARTIAL BURIED WOODEN UTILITY STRUCTURE

EAST 28TH STREET

N

SCALE IN FEET

0 50 100

NOTE:
BASED ON PEER FIELD OBSERVATIONS.

5253.28\5253.28 doc. report figures\5253 materials encountered.dwg

Peer Engineering

PROJECT #: 5253.28

MISCELLANEOUS MATERIALS ENCOUNTERED

JULY 2005

LITE YARD PROPERTY
MINNEAPOLIS, MINNESOTA

FIGURE 9

Table 7
Analytical Testing Results
South Berm Samples
Lite Yard Property
Minneapolis, Minnesota

Parameter	South Berm-4-1 Pace Lab Report # 104052	South Berm-5 Pace Lab Report # 104359	South Berm-6 Pace Lab Report # 104359	South Berm-7 Pace Lab Report # 104359	South Berm-8 Pace Lab Report # 104359	South Berm-9 Pace Lab Report # 104359	South Berm-10 Pace Lab Report # 104359	South Berm-3A Pace Lab Report # 104359	Residential Soil Reference Value (mg/kg)	Industrial Soil Reference Value (mg/kg)	Tier 1 Soil Leaching Value (mg/kg)
Sample Date	5/31/2005	12/7/2004	12/7/2004	12/7/2004	12/7/2004	12/7/2004	12/7/2004	12/7/2004			
Metals - Total (mg/kg)											
Arsenic	NA	10.9	22.1	336.0	189.0	57.2	200	714	10	25	15.1
Barium	NA	NA	NA	NA	NA	NA	NA	NA	1,200	12,500	842
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	35	250	4.4
Chromium*	NA	NA	NA	NA	NA	NA	NA	NA	71	425	18
Mercury	NA	1.7	0.23	4	1.3	0.5	1.8	49.4	0.7	2	1.6
Lead	NA	329	34.4	73.3	43.2	25.7	75.9	257	400	700	525
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	170	1,250	1.5
Silver	NA	NA	NA	NA	NA	NA	NA	NA	170	1,250	3.9
Metals - TCLP (mg/L)											
Arsenic	ND(0.050)	NA	ND (0.050)	0.33	NA	NA	NA	1.60	---	---	---
Barium	NA	NA	NA	NA	NA	NA	NA	NA	---	---	---
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	---	---	---
Chromium*	NA	NA	NA	NA	NA	NA	NA	NA	---	---	---
Mercury	NA	NA	NA	ND (0.0008)	NA	NA	NA	ND (0.0008)	---	---	---
Lead	NA	0.038	0.018	NA	NA	NA	NA	0.029	---	---	---
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	---	---	---
Silver	NA	NA	NA	NA	NA	NA	NA	NA	---	---	---
Semi-Volatile Organic Compounds (SVOCs) (mg/kg)											
Acenaphthene	NA	NA	NA	NA	NA	NA	NA	NA	1,200	5,260	50
Anthracene	NA	NA	NA	NA	NA	NA	NA	NA	7,880	45,400	942
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	***	***	***
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	***	***	***
Carbazole	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	NE
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	***	***	***
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	NE
Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	1,080	6,800	295
Fluorene	NA	NA	NA	NA	NA	NA	NA	NA	850	4,120	47
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	NE
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	NE
Pyrene	NA	NA	NA	NA	NA	NA	NA	NA	890	5,800	272
All other reported SVOCs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BaP Equivalent**	NA	NA	NA	NA	NA	NA	NA	NA	2	4	10.2
Volatile Organic Compounds (VOCs) (mg/kg)											
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	320	1,000	0.7
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	10	28	7.5
Toluene	NA	NA	NA	NA	NA	NA	NA	NA	107	305	6.4
All other reported VOCs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (PCBs) (mg/kg)											
PCB-1016	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	NE
PCB-1221	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	NE
PCB-1232	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	NE
PCB-1242	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	NE
PCB-1248	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	NE
PCB-1254	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	NE
PCB-1260	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	NE
PCB-1268	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	NE
Total PCBs	NA	NA	NA	NA	NA	NA	NA	NA	1	8	2

NOTES:
mg/kg = Milligrams per kilogram.
mg/L = Milligrams per liter.
ND = Parameter was not detected at or above the laboratory reporting limit indicated in parenthesis.
NA = Not Analyzed for this parameter.
NE = Not established.
SRV = 1999 Residential and Industrial Soil Reference Values established by the Minnesota Pollution Control Agency (MPCA).
SLV = November 1999 Tier 1Soil Leaching Value established by the MPCA.
*Standard for hexavalent chromium is provided.
**Benzo(a)pyrene (BaP) equivalent is a calculated value based on the weighted concentration and toxicity of the following PAH compounds: benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-c,d)pyrene.
***Individual standard not established, compound included in calculation of BaP equivalent.
A = Duplicate Sample.

Table 11
Analytical Testing Results
Imported Fill
Lite Yard Property and HCRRA Parcel
Minneapolis, Minnesota

Parameter	Common <12% Sample 1 Braun Lab Report # 0401848	Clean Select Sample 2 Braun Lab Report # 0401848	Clean Select Sample 2A Braun Lab Report # 0401958	Clean Select Sample 3 Braun Lab Report # 0401977	Clean Select Sample 4 Braun Lab Report # 0402059	Clean Select Sample 5 Braun Lab Report # 0402177	Clean Select Sample 6 Braun Lab Report # 0402219	Clean Select Sample 7 Braun Lab Report # 0402300	Clean Select Sample 8 Braun Lab Report # 0402361	Clean Select Sample 9 Braun Lab Report # 0402400	Residential Soil Reference Value (mg/kg)	Tier 1 Soil Leaching Value (mg/kg)
Sample Date	10/20/2004	10/20/2004	10/29/2004	11/1/2004	11/8/2004	11/17/2004	11/19/2004	11/30/2004	12/6/2004	12/10/2004		
Metals (mg/kg)												
Arsenic	ND (2.1)	ND (2.0)	NA	4.8	3.7	2.3	1.5	1.4	2.5	2.3	10	15.1
Barium	16	13	NA	27	18	28	16	12	12	29	1,200	842
Cadmium	ND (0.27)	ND (0.26)	NA	ND (0.48)	ND (0.47)	ND (0.44)	ND (0.52)	ND (0.45)	ND (0.48)	ND (0.51)	35	4.4
Chromium*	8.7	20	7.8**	6.2	9.5	8.4	10	10	9.0	9.1	71	18
Mercury	ND (0.021)	ND (0.020)	NA	0.14	ND (0.020)	0.099	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.020)	0.7	1.6
Lead	2.1	1.7	NA	2.6	2.5	3.2	1.9	2.5	2.3	2.9	400	525
Selenium	ND (0.83)	ND (0.80)	NA	ND (0.96)	ND (0.94)	ND (0.88)	ND (1.0)	ND (0.90)	ND (0.96)	ND (1.0)	170	1.5
Silver	ND (1.0)	ND (1.0)	NA	ND (0.48)	ND (0.47)	ND (0.44)	ND (0.52)	ND (0.45)	ND (0.48)	ND (0.51)	170	3.9
Semi-Volatile Organic Compounds (SVOCs) (mg/kg)												
Fluorene	ND (0.070)	ND (0.067)	NA	ND (0.069)	ND (0.34)	ND (0.067)	ND (0.069)	ND (0.069)	ND (0.067)	ND (0.069)	850	47
All other reported SVOCs	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NE	NE
BaP Equivalent***	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	2	10.2
Volatile Organic Compounds (VOCs) (mg/kg)												
All other reported VOCs	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NE	NE
Polychlorinated Biphenyls (PCBs) (mg/kg)												
Total reported PCBs	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	1.2	2.1

NOTES:
mg/kg = Milligrams per kilogram.
ND = Parameter was not detected at or above the laboratory reporting limit indicated in parenthesis.
NE = Not established.
NA = Not analyzed.
SRV = 1999 Residential Soil Reference Values established by the Minnesota Pollution Control Agency (MPCA).
SLV = November 1999 Tier 1 Soil Leaching Value established by the MPCA.
*Standard for hexavalent chromium is provided.
**Imported filled resampled on-site and reanalyzed for total chromium.
***Benzo(a)pyrene (BaP) equivalent is a calculated value based on the weighted concentration and toxicity of the following compounds: benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-c,d)pyrene.

Table 11
Analytical Testing Results
Imported Fill
Lite Yard Property and HCRRA Parcel
Minneapolis, Minnesota

Parameter	Clean Select Sample 10 Braun Lab Report # 0402400	Clean Select Sample 11 Braun Lab Report # 0402427	Clean Select Sample 12 Braun Lab Report # 0402443	Clean Select Sample 13 Braun Lab Report # 0402465	Clean Select Sample 14 Braun Lab Report # 0402477	Clean Select Sample 15 Braun Lab Report # 0402548	Clean Select Sample 16 Braun Lab Report # 0501093	Clean Select Sample 17 Braun Lab Report # 0501149	Clean Select Sample 18 Braun Lab Report # 0501399	Clean Select Sample 19 Braun Lab Report # 0501825	Residential Soil Reference Value (mg/kg)	Tier 1 Soil Leaching Value (mg/kg)
Sample Date	12/10/2004	12/13/2004	12/15/2004	12/15/2004	12/17/2004	12/22/2004	4/18/2005	4/20/2005	5/2/2005	5/19/2005		
Metals (mg/kg)												
Arsenic	1.9	1.7	2.0	1.6	2.1	2.0	1.7	1.2	1.1	2.2	10	15.1
Barium	21	12	15	15	19	14	12	13	26	14	1,200	842
Cadmium	ND (0.47)	ND (0.46)	ND (0.47)	ND (0.48)	ND (0.47)	ND (0.46)	ND (0.51)	ND (0.52)	ND (0.49)	ND (0.48)	35	4.4
Chromium*	13.0	10.0	8.7	8.0	10.0	7.3	8.4	7.9	7.4	9.2	71	18
Mercury	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.021)	0.7	1.6
Lead	2.6	2.4	2.5	2.4	3.7	2.4	1.9	1.3	1.4	1.9	400	525
Selenium	ND (0.95)	ND (0.91)	ND (0.95)	ND (0.96)	ND (0.93)	ND (0.93)	ND (1.0)	ND (1.0)	ND (0.97)	ND (0.96)	170	1.5
Silver	ND (0.47)	ND (0.46)	ND (0.47)	ND (0.48)	ND (0.47)	ND (0.46)	ND (0.51)	ND (0.52)	ND (0.49)	ND (0.48)	170	3.9
Semi-Volatile Organic Compounds (SVOCs) (mg/kg)												
Fluorene	ND (0.069)	ND (0.067)	ND (0.070)	ND (0.068)	ND (0.069)	ND (0.069)	ND (0.068)	0.11	ND (0.069)	ND (0.069)	850	47
All other reported SVOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
BaP Equivalent***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	10.2
Volatile Organic Compounds (VOCs) (mg/kg)												
All other reported VOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Polychlorinated Biphenyls (PCBs) (mg/kg)												
Total reported PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	2.1

NOTES:
mg/kg = Milligrams per kilogram.
ND = Parameter was not detected at or above the laboratory reporting limit indicated in parenthesis.
NE = Not established.
NA = Not analyzed.
SRV = 1999 Residential Soil Reference Values established by the Minnesota Pollution Control Agency (MPCA).
SLV = November 1999 Tier 1 Soil Leaching Value established by the MPCA.
*Standard for hexavalent chromium is provided.
**Imported filled resampled on-site and reanalyzed for total chromium.
***Benzo(a)pyrene (BaP) equivalent is a calculated value based on the weighted concentration and toxicity of the following compounds: benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-c,d)pyrene.