



May 28, 2008

Ms. Shannon Harbour, P.E.
Nevada Division of Environmental Protection
Bureau of Corrective Actions
2030 E. Flamingo Road, Suite 230
Las Vegas, Nevada 89119-0818

Subject: Sampling and Analysis Plan to Conduct Supplemental Soil Characterization, Tronox Parcels “C”, “D”, “F”, “G”, and “H”, Henderson, Nevada

Dear Shannon:

On behalf of Tronox, Basic Environmental Company (BEC) appreciates the opportunity to submit this letter Sampling and Analysis Plan (SAP) to conduct supplemental soil characterization of the Tronox Parcels “C”, “D”, “F”, “G”, and “H”. Previously the top 10 feet of soil were sampled as proposed in the Phase 2 Investigation SAPs for each parcel (except for Parcel G for which samples were collected from the top 5 feet of soil). These shallow soil investigations for Parcels C, D, F, G, and H have been completed and the data have been validated and subsequently approved by the NDEP. Based on the results of these investigations the following supplemental sampling is proposed at each of the parcels to further characterize potential data gaps, and to define the areal extent of detected compounds. All proposed supplemental sampling locations are shown on Figure 1.

Scope of Work

The following is the proposed scope of work for investigating the Site and meeting the SAP objectives. The scope of work has been divided into two main tasks: 1) Field Implementation; and 2) Data Evaluation.

Task 1: Field Implementation

The purpose of the intrusive investigation is to collect data sufficient to meet the objectives of the SAP. All sampling and sample handling procedures will be consistent with the NDEP-approved BRC Field Sampling and Standard Operating Procedures (FSSOP; BRC, ERM and MWH 2007a).

Pre-Field Activities

The pre-field activities will be conducted in accordance with applicable standard operating procedures (SOPs; BRC, ERM and MWH 2007). The BRC Quality Assurance Project Plan (QAPP; BRC and ERM 2008) and Health and Safety Plan (HASP; BRC and MWH 2005) prepared for the BMI Common Areas will be used for this proposed scope of work. All work will be completed under the direction of a State of Nevada Certified Environmental Manager.

Soil Borings

The SOPs referred to in the following discussion are documented in the FSSOP. BEC will implement field screening using photoionization detectors (PIDs) (using two lamps) in accordance with SOP-39. SOP-1 will be followed for all drilling activities including Hollow Stem Auger drilling. The field geologist will prepare logs for each boring indicating the Unified Soil Classification System (USCS) soil classification (SOP-17), an estimate of field moisture content, sampling depths, progress of drilling (SOP-15), final completion depth, and the nature and resolution of any problems encountered.

Soil sample and auger boring locations will be surveyed using a handheld GPS to a horizontal accuracy of 3 meters (approximately 10 feet) or better. Soil cuttings generated during soil sampling and drilling activities will be collected on visqueen, analyzed, and appropriately disposed of. Due to the nature of the shallow sampling, it is not anticipated that a significant amount of excess soil will be generated as a result of the sampling, or that the soils will require special handling. The quality assurance/quality control (QA/QC) procedures that will be followed during the field investigation are detailed in Section B of the QAPP (BRC and ERM 2008).

The rationale for the various supplemental judgmental sampling locations is provided below:

Parcels C and D: Two surface soil samples will be collected and analyzed for asbestos within the drainage ditch at the north end of Parcel D. These samples will be placed approximately 100 feet east and west of sample location TSB-DR-04 to delineate chrysotile asbestos within this ditch. A single soil boring will be advanced with a hollow-stem auger to a total depth of ten feet below ground surface (bgs) in the triangular area east of Parcel C. This area was not characterized during the previous sampling event. Soil samples will be collected at approximately zero (i.e., surface) and ten feet bgs at this location. Soil samples will be analyzed for the analyte list provided in Table 1.

Parcel F: Three soil borings will be advanced with a hollow-stem auger to groundwater beneath the property. Soil samples will be collected at approximately zero (i.e., surface) and ten foot intervals until the groundwater interface is reached. The purpose for these samples is to characterize deep soil conditions at Parcel F. The sample locations were selected based on detected levels of organic compounds and perchlorate during the previous sampling event. Soil samples will be analyzed for the analyte list provided in Table 1.

Parcel G: Two soil borings will be advanced with a hollow-stem auger to groundwater beneath the property. Soil samples will be collected at approximately zero (i.e., surface) and ten foot intervals until the groundwater interface is reached. The purpose for these samples is to characterize deep soil conditions at Parcel G. The sample locations were placed on either side of the building at the north end of this parcel, which was not characterized during the previous sampling event. Soil samples will be analyzed for the analyte list provided in Table 1.

Parcel H: A single surface soil sample will be collected and analyzed for asbestos in the southwest corner of Parcel H. This sample will be placed approximately 50 feet northeast of sample location TSB-HJ-09 to delineate amphibole and chrysotile asbestos in this portion of the parcel. The soil sample will be analyzed for asbestos as shown in Table 1.

Final judgmental sampling locations will be placed based on field verification.

Task 2: Data Evaluation

Once the data are collected, BEC will subject the data to validation per procedures agreed to previously with the NDEP and consistent with the QAPP (BRC and ERM 2008). Only those data determined by the QA/QC review to be suitable for use will be considered for the site data set. A separate Data Validation Summary Report will be prepared and submitted to NDEP.

Schedule


Once final approval of the SAP is received from NDEP, field implementation activities can commence within one to two weeks. BEC will provide NDEP with at least one week notice prior to the initiation of field activities at the Site. It is anticipated that this work can be completed within one week, depending on field conditions. The soil samples will be submitted to the laboratories and placed on a standard turn around time, which is 28 days for the complete analyte list. Reports will be completed for each of the parcels within one month after the final data are received from the laboratory and validated, pending any potential remediation and additional confirmation sampling.

Closing Remarks

See attached for appropriate certification language and signature. Please direct any remaining questions or comments you may have to me at 626-382-0001.

Sincerely,

Basic Environmental Company



Ranajit Sahu, CEM
Project Manager

cc: Brian Rakvica, NDEP, BCA, Las Vegas, NV 89119
Jim Najima, NDEP, BCA, Carson City, NV 89701

Attachments: Table 1 – Project List of Analytes – Soil
Figure 1 – Tronox/BEC Parcel Map with Supplemental Soil Sample Locations
Figure 2 – Tronox/BEC Parcels C and D Supplemental Soil Sample Locations
Figure 3 – Tronox/BEC Parcel F Supplemental Soil Sample Locations
Figure 4 – Tronox/BEC Parcel G Supplemental Soil Sample Locations
Figure 5 – Tronox/BEC Parcel H Supplemental Soil Sample Locations

References

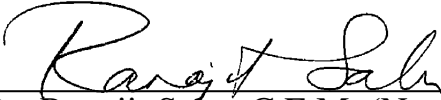
Basic Remediation Company (BRC) and MWH. 2005. BRC Health and Safety Plan, BMI Common Areas, Clark County, Nevada. October.

Basic Remediation Company (BRC), ERM, and MWH. 2007. BRC Field Sampling and Standard Operating Procedures, BMI Common Areas, Clark County, Nevada. August.

Basic Remediation Company (BRC) and ERM. 2008. BRC Quality Assurance Project Plan. BMI Common Areas, Clark County, Nevada. May.

Basic Remediation Company (BRC) and Titanium Metals Corporation (TIMET). 2007. Background Shallow Soil Summary Report, BMI Complex and Common Areas Vicinity. March 16.

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations and ordinances. I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.



Dr. Ranajit Sahu, C.E.M. (No. EM-1699, Exp. 10/07/2009) May 28, 2008
BRC Project Manager Date

TABLE 1
PROJECT LIST OF ANALYTES FOR PARCELS C, D, F, G AND H – SUPPLEMENTAL SOIL SAMPLING
 (Page 1 of 9)

Parameter of Interest	Analytical Method	Compound List	CAS Number	Soil Sample Analysis	
				Surface	Subsurface
Ions	EPA 300.0/300.1	Bromide	24959-67-9	X	X
		Bromine	7726-95-6	X	X
		Chlorate	14866-68-3	X	X
		Chloride	16887-00-6	X	X
		Chlorine (soluble)	7782-50-5	X	X
		Chlorite	14998-27-7	X	X
		Fluoride	16984-48-8	X	X
		Nitrate (as N)	14797-55-8	X	X
		Nitrite (as N)	14797-65-0	X	X
		Orthophosphate	14265-44-2	X	X
		Sulfate	14808-79-8	X	X
	EPA 314.0	Perchlorate	14797-73-0	X	X
Polychlorinated Dibenzodioxins/ Dibenzofurans	EPA 8290	1,2,3,4,6,7,8,9-Octachlorodibenzofuran	39001-02-0	X	
		1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	3268-87-9	X	
		1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	X	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	X	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	X	
		1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	X	
		1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	X	
		1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	X	
		1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	X	
		1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	X	
		1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	X	
		1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	X	
		1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	X	
		2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	X	
		2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	X	
2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	X			
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	X			
Asbestos	Elutriator/TEM Method 540	Asbestos	1332-21-4	X	
Metals	EPA 6020/6010B	Aluminum	7429-90-5	X	X
		Antimony	7440-36-0	X	X
		Arsenic	7440-38-2	X	X
		Barium	7440-39-3	X	X
		Beryllium	7440-41-7	X	X
		Boron	7440-42-8	X	X
		Cadmium	7440-43-9	X	X
		Calcium	7440-70-2	X	X

TABLE 1
PROJECT LIST OF ANALYTES FOR PARCELS C, D, F, G AND H – SUPPLEMENTAL SOIL SAMPLING
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Parameter of Interest	Analytical Method	Compound List	CAS Number	Soil Sample Analysis	
				Surface	Subsurface
Metals (continued)	EPA 6020/6010B	Chromium	7440-47-3	X	X
		Cobalt	7440-48-4	X	X
		Copper	7440-50-8	X	X
		Iron	7439-89-6	X	X
		Lead	7439-92-1	X	X
		Lithium	1313-13-9	X	X
		Magnesium	7439-95-4	X	X
		Manganese	7439-96-5	X	X
		Molybdenum	7439-98-7	X	X
		Nickel	7440-02-0	X	X
		Niobium	7440-03-1	X	X
		Palladium	7440-05-3	X	X
		Phosphorus	7723-14-0	X	X
		Platinum	7440-06-4	X	X
		Potassium	7440-09-7	X	X
		Selenium	7782-49-2	X	X
		Silicon	7440-21-3	X	X
		Silver	7440-22-4	X	X
		Sodium	7440-23-5	X	X
		Strontium	7440-24-6	X	X
		Sulfur	7704-34-9	X	X
		Thallium	7440-28-0	X	X
		Tin	7440-31-5	X	X
		Titanium	7440-32-6	X	X
		Tungsten	7440-33-7	X	X
		Uranium	7440-61-1	X	X
	Vanadium	7440-62-2	X	X	
	Zinc	7440-66-6	X	X	
Zirconium	7440-67-7	X	X		
	EPA 7470A/7471A	Mercury		X	X
	EPA 7196A	Chromium (VI)	18540-29-9	X	X
Organophosphorous Pesticides	EPA 8141A	Azinphos-ethyl	264-27-19		
		Azinphos-methyl	86-50-0		
		Carbophenothion	786-19-6		
		Chlorpyrifos	2921-88-2		
		Coumaphos	56-72-4		
		Demeton-O	298-03-3		
		Demeton-S	126-75-0		

TABLE 1
PROJECT LIST OF ANALYTES FOR PARCELS C, D, F, G AND H – SUPPLEMENTAL SOIL SAMPLING
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Parameter of Interest	Analytical Method	Compound List	CAS Number	Soil Sample Analysis	
				Surface	Subsurface
Organophosphorous Pesticides (continued)	EPA 8141A	Diazinon	333-41-5		
		Dichlorvos	62-73-7		
		Dimethoate	60-51-5		
		Disulfoton	298-04-4		
		EPN	2104-64-5		
		Ethoprop	13194-48-4		
		Ethyl parathion	56-38-2		
		Fampphur	52-85-7		
		Fenthion	55-38-9		
		Malathion	121-75-5		
		Methyl carbophenothion	953-17-3		
		Methyl parathion	298-00-0		
		Mevinphos	7786-34-7		
		Naled	300-76-5		
		O,O,O-Triethyl phosphorothioate (TEPP)	297-97-2		
		Phorate	298-02-2		
		Phosmet	732-11-6		
		Ronnel	299-84-3		
		Stirophos (Tetrachlorovinphos)	22248-79-9		
		Sulfotep	3689-24-5		
Organochlorine Pesticides	EPA 8081A	2,4-DDD	53-19-0	X	X
		2,4-DDE	3424-82-6	X	X
		4,4-DDD	72-54-8	X	X
		4,4-DDE	72-55-9	X	X
		4,4-DDT	50-29-3	X	X
		Aldrin	309-00-2	X	X
		alpha-BHC	319-84-6	X	X
		alpha-Chlordane	5103-71-9	X	X
		beta-BHC	319-85-7	X	X
		Chlordane	57-74-9	X	X
		delta-BHC	319-86-8	X	X
		Dieldrin	60-57-1	X	X
		Endosulfan I	959-98-8	X	X
		Endosulfan II	33213-65-9	X	X
		Endosulfan sulfate	1031-07-8	X	X
		Endrin	72-20-8	X	X
		Endrin aldehyde	7421-93-4	X	X
		Endrin ketone	53494-70-5	X	X

TABLE 1
PROJECT LIST OF ANALYTES FOR PARCELS C, D, F, G AND H – SUPPLEMENTAL SOIL SAMPLING
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Parameter of Interest	Analytical Method	Compound List	CAS Number	Soil Sample Analysis	
				Surface	Subsurface
Organochlorine Pesticides (continued)	EPA 8081A	gamma-BHC (Lindane)	58-89-9	X	X
		gamma-Chlordane	5103-74-2	X	X
		Heptachlor	76-44-8	X	X
		Heptachlor epoxide	1024-57-3	X	X
		Methoxychlor	72-43-5	X	X
		Toxaphene	8001-35-2	X	X
Polynuclear Aromatic Hydrocarbons	EPA 8310 ¹	Acenaphthene	83-32-9	X	X
		Acenaphthylene	208-96-8	X	X
		Anthracene	120-12-7	X	X
		Benzo(a)anthracene	56-55-3	X	X
		Benzo(a)pyrene	50-32-8	X	X
		Benzo(b)fluoranthene	205-99-2	X	X
		Benzo(g,h,i)perylene	191-24-2	X	X
		Benzo(k)fluoranthene	207-08-9	X	X
		Chrysene	218-01-9	X	X
		Dibenzo(a,h)anthracene	53-70-3	X	X
		Indeno(1,2,3-cd)pyrene	193-39-5	X	X
		Phenanthrene	85-01-8	X	X
		Pyrene	129-00-0	X	X
		Radionuclides	HASL A-01-R	Thorium-228	14274-82-9
Thorium-230	14269-63-7			X	X
Thorium-232	7440-29-1			X	X
Uranium-233/234	13966-29-5			X	X
Uranium 235/236	15117-96-1			X	X
Uranium-238	7440-61-1			X	X
EPA 903.0 / 903.1	Radium-226		13982-63-3	X	X
EPA 904.0	Radium-228		15262-20-1	X	X
Semivolatile Organic Compounds	EPA 8270C ²		1,2,4,5-Tetrachlorobenzene	95-94-3	X
		1,2-Diphenylhydrazine	122-66-7	X	X
		1,4-Dioxane	123-91-1	X	X
		2,2'4,4'-Dichlorobenzil	3457-46-3	X	X
		2,4,5-Trichlorophenol	95-95-4	X	X
		2,4,6-Trichlorophenol	88-06-2	X	X
		2,4-Dichlorophenol	120-83-2	X	X
		2,4-Dimethylphenol	105-67-9	X	X
		2,4-Dinitrophenol	51-28-5	X	X
		2,4-Dinitrotoluene	121-14-2	X	X

TABLE 1
PROJECT LIST OF ANALYTES FOR PARCELS C, D, F, G AND H – SUPPLEMENTAL SOIL SAMPLING
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Parameter of Interest	Analytical Method	Compound List	CAS Number	Soil Sample Analysis	
				Surface	Subsurface
Semivolatile Organic Compounds (continued)	EPA 8270C ²	2,6-Dinitrotoluene	606-20-2	X	X
		2-Chloronaphthalene	91-58-7	X	X
		2-Chlorophenol	95-57-8	X	X
		2-Methylnaphthalene	91-57-6	X	X
		2-Nitroaniline	88-74-4	X	X
		2-Nitrophenol	88-75-5	X	X
		3,3-Dichlorobenzidine	91-94-1	X	X
		3-Nitroaniline	99-09-2	X	X
		4,4'-Dichlorobenzil	3457-46-3	X	X
		4-Bromophenyl phenyl ether	101-55-3	X	X
		4-Chloro-3-methylphenol	59-50-7	X	X
		4-Chlorophenyl phenyl ether	7005-72-3	X	X
		4-Chlorothiobanisole	123-09-1	X	X
		4-Chlorothiophenol	106-54-7	X	X
		4-Nitroaniline	100-01-6	X	X
		4-Nitrophenol	100-02-7	X	X
		Acenaphthene	83-32-9	X	X
		Acenaphthylene	208-96-8	X	X
		Acetophenone	98-86-2	X	X
		Aniline	62-53-3	X	X
		Anthracene	120-12-7	X	X
		Azobenzene	103-33-3	X	X
		Benzo(a)anthracene	56-55-3	X	X
		Benzo(a)pyrene	50-32-8	X	X
		Benzo(b)fluoranthene	205-99-2	X	X
		Benzo(g,h,i)perylene	191-24-2	X	X
		Benzo(k)fluoranthene	207-08-9	X	X
		Benzoic acid	65-85-0	X	X
		Benzyl alcohol	100-51-6	X	X
		bis(2-Chloroethoxy)methane	111-91-1	X	X
		bis(2-Chloroethyl) ether	111-44-4	X	X
		bis(2-Chloroisopropyl) ether	108-60-1	X	X
		bis(2-Ethylhexyl) phthalate	117-81-7	X	X
bis(Chloromethyl) ether	542-88-1	X	X		
bis(p-Chlorophenyl) sulfone	80-07-9	X	X		
bis(p-Chlorophenyl)disulfide	1142-19-4	X	X		
Butylbenzyl phthalate	85-68-7	X	X		
Carbazole	86-74-8	X	X		

TABLE 1
PROJECT LIST OF ANALYTES FOR PARCELS C, D, F, G AND H – SUPPLEMENTAL SOIL SAMPLING
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Parameter of Interest	Analytical Method	Compound List	CAS Number	Soil Sample Analysis	
				Surface	Subsurface
Semivolatile Organic Compounds (continued)	EPA 8270C ²	Chrysene	218-01-9	X	X
		Dibenzo(a,h)anthracene	53-70-3	X	X
		Dibenzofuran	132-64-9	X	X
		Dichloromethyl ether	542-88-1	X	X
		Diethyl phthalate	84-66-2	X	X
		Dimethyl phthalate	131-11-3	X	X
		Di-n-butyl phthalate	84-74-2	X	X
		Di-n-octyl phthalate	117-84-0	X	X
		Diphenyl disulfide	882-33-7	X	X
		Diphenyl sulfide	139-66-2	X	X
		Diphenyl sulfone	127-63-9	X	X
		Fluoranthene	206-44-0	X	X
		Fluorene	86-73-7	X	X
		Hexachlorobenzene	118-74-1	X	X
		Hexachlorobutadiene	87-68-3	X	X
		Hexachlorocyclopentadiene	77-47-4	X	X
		Hexachloroethane	67-72-1	X	X
		Hydroxymethyl phthalimide	118-29-6	X	X
		Indeno(1,2,3-cd)pyrene	193-39-5	X	X
		Isophorone	78-59-1	X	X
		m,p-Cresol	106-44-5	X	X
		Naphthalene	91-20-3	X	X
		Nitrobenzene	98-95-3	X	X
		N-nitrosodi-n-propylamine	621-64-7	X	X
		N-nitrosodiphenylamine	86-30-6	X	X
		o-Cresol	95-48-7	X	X
		Octachlorostyrene	29082-74-4	X	X
		p-Chloroaniline (4-Chloroaniline)	106-47-8	X	X
		p-Chlorobenzenethiol	106-54-7	X	X
		Pentachlorobenzene	608-93-5	X	X
		Pentachlorophenol	87-86-5	X	X
		Phenanthrene	85-01-8	X	X
		Phenol	108-95-2	X	X
Phthalic acid	88-99-3	X	X		
Pyrene	129-00-0	X	X		
Pyridine	110-86-1	X	X		
Thiophenol	108-98-5	X	X		
		Tentatively Identified Compounds (TICs)		X	X

TABLE 1
PROJECT LIST OF ANALYTES FOR PARCELS C, D, F, G AND H – SUPPLEMENTAL SOIL SAMPLING
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Parameter of Interest	Analytical Method	Compound List	CAS Number	Soil Sample Analysis	
				Surface	Subsurface
Volatile Organic Compounds	EPA 8260B	1,1,1,2-Tetrachloroethane	630-20-6	X	X
		1,1,1-Trichloroethane	71-55-6	X	X
		1,1,2,2-Tetrachloroethane	79-34-5	X	X
		1,1,2-Trichloroethane	79-00-5	X	X
		1,1-Dichloroethane	75-34-3	X	X
		1,1-Dichloroethene	75-35-4	X	X
		1,1-Dichloropropene	563-58-6	X	X
		1,2,3-Trichlorobenzene	87-61-6	X	X
		1,2,3-Trichloropropane	96-18-4	X	X
		1,2,4-Trichlorobenzene	120-82-1	X	X
		1,2,4-Trimethylbenzene	95-63-6	X	X
		1,2-Dichlorobenzene	95-50-1	X	X
		1,2-Dichloroethane	107-06-2	X	X
		1,2-Dichloroethene	540-59-0	X	X
		1,2-Dichloropropane	78-87-5	X	X
		1,3,5-Trichlorobenzene	108-70-3	X	X
		1,3,5-Trimethylbenzene	108-67-8	X	X
		1,3-Dichlorobenzene	541-73-1	X	X
		1,3-Dichloropropene	542-75-6	X	X
		1,3-Dichloropropane	142-28-9	X	X
		1,4-Dichlorobenzene	106-46-7	X	X
		2,2-Dichloropropane	594-20-7	X	X
		2,2-Dimethylpentane	590-35-2	X	X
		2,2,3-Trimethylbutane	464-06-2	X	X
		2,3-Dimethylpentane	565-59-3	X	X
		2,4-Dimethylpentane	108-08-7	X	X
		2-Chlorotoluene	95-49-8	X	X
		2-Hexanone	591-78-6	X	X
		2-Methylhexane	591-76-4	X	X
		2-Nitropropane	79-46-9	X	X
		3,3-Dimethylpentane	562-49-2	X	X
		3-Ethylpentane	617-78-7	X	X
		3-Methylhexane	589-34-4	X	X
4-Chlorobenzene	108-90-7	X	X		
4-Chlorotoluene	106-43-4	X	X		
4-Methyl-2-pentanone (MIBK)	108-10-1	X	X		
Acetone	67-64-1	X	X		
Acetonitrile	75-05-8	X	X		

TABLE 1
PROJECT LIST OF ANALYTES FOR PARCELS C, D, F, G AND H – SUPPLEMENTAL SOIL SAMPLING
 (Page 8 of 9)

Parameter of Interest	Analytical Method	Compound List	CAS Number	Soil Sample Analysis	
				Surface	Subsurface
Volatile Organic Compounds (continued)	EPA 8260B	Benzene	71-43-2	X	X
		Bromobenzene	108-86-1	X	X
		Bromodichloromethane	75-27-4	X	X
		Bromoform	75-25-2	X	X
		Bromomethane	74-83-9	X	X
		Carbon disulfide	75-15-0	X	X
		Carbon tetrachloride	56-23-5	X	X
		Chlorobenzene	108-90-7	X	X
		Chlorobromomethane	74-97-5	X	X
		Chlorodibromomethane	124-48-1	X	X
		Chloroethane	75-00-3	X	X
		Chloroform	67-66-3	X	X
		Chloromethane	74-87-3	X	X
		cis-1,2-Dichloroethene	156-59-2	X	X
		cis-1,3-Dichloropropene	10061-01-5	X	X
		Cymene (Isopropyltoluene)	99-87-6	X	X
		Dibromochloroethane	73506-94-2	X	X
		Dibromochloromethane	124-48-1	X	X
		Dibromochloropropane	96-12-8	X	X
		Dibromomethane	74-95-3	X	X
		Dichloromethane (Methylene chloride)	75-09-2	X	X
		Dimethyldisulfide	624-92-0	X	X
		Ethanol	64-17-5	X	X
		Ethylbenzene	100-41-4	X	X
		Freon-11 (Trichlorofluoromethane)	75-69-4	X	X
		Freon-113 (1,1,2-Trifluoro-1,2,2-trichloroethane)	76-13-1	X	X
		Freon-12 (Dichlorodifluoromethane)	75-71-8	X	X
		Heptane	142-82-5	X	X
		Isoheptane	31394-54-4	X	X
		Isopropylbenzene	98-82-8	X	X
		m,p-Xylene	mp-XYL	X	X
		Methyl ethyl ketone (2-Butanone)	78-93-3	X	X
		Methyl iodide	74-88-4	X	X
MTBE (Methyl tert-butyl ether)	1634-04-4	X	X		
n-Butyl benzene	104-51-8	X	X		
n-Propylbenzene	103-65-1	X	X		
Nonanal	124-19-6	X	X		
o-Xylene	95-47-6	X	X		

TABLE 1
PROJECT LIST OF ANALYTES FOR PARCELS C, D, F, G AND H – SUPPLEMENTAL SOIL SAMPLING
 (Page 9 of 9)

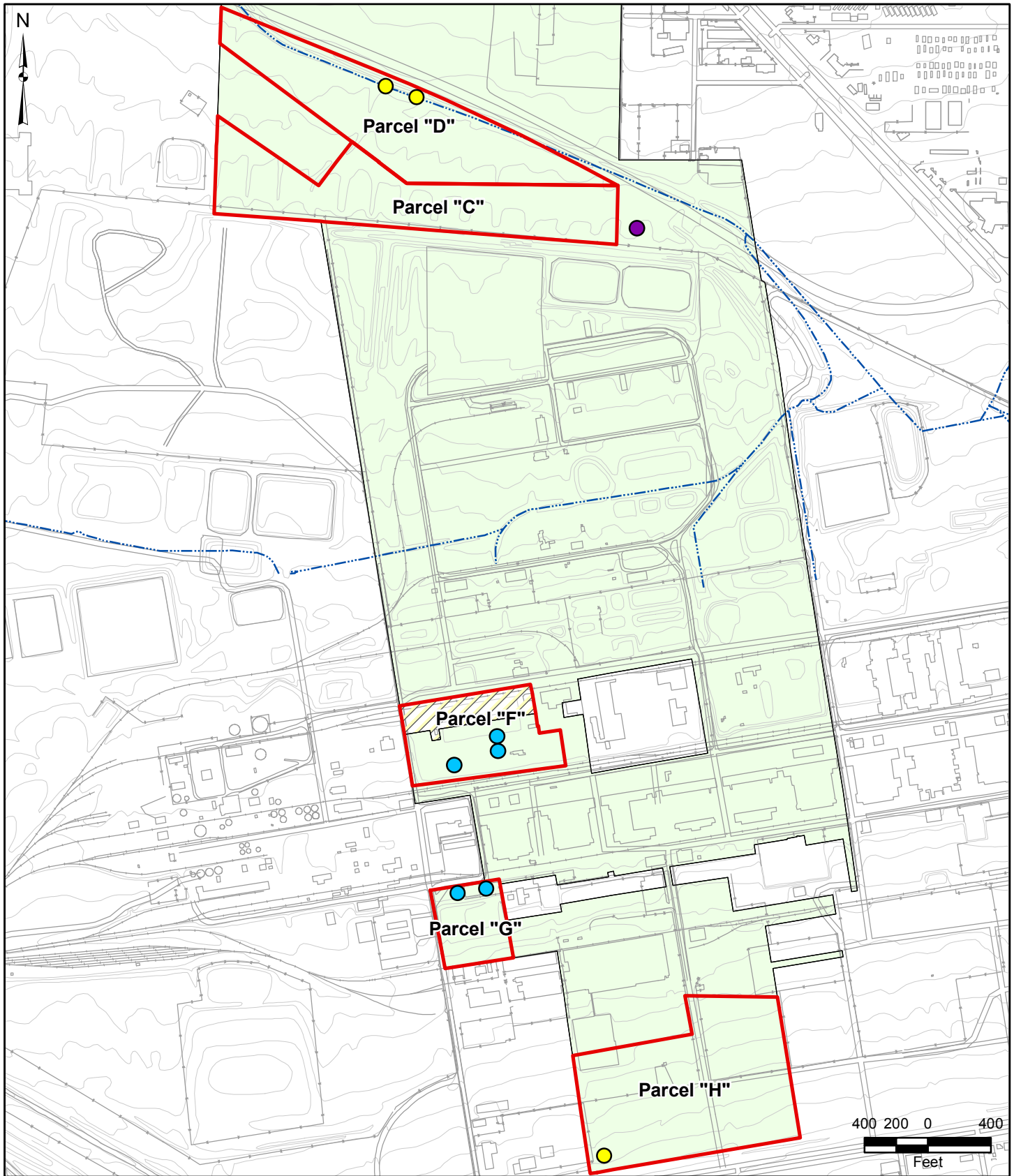
Parameter of Interest	Analytical Method	Compound List	CAS Number	Soil Sample Analysis	
				Surface	Subsurface
Volatile Organic Compounds (continued)	EPA 8260B	sec-Butylbenzene	135-98-8	X	X
		Styrene	100-42-5	X	X
		tert-Butyl benzene	98-06-6	X	X
		Tetrachloroethene	127-18-4	X	X
		Toluene	108-88-3	X	X
		trans-1,2-Dichloroethene	156-60-5	X	X
		trans-1,3-Dichloropropene	10061-02-6	X	X
		Trichloroethene	79-01-6	X	X
		Vinyl acetate	108-05-4	X	X
		Vinyl chloride	75-01-4	X	X
		Xylenes (total)	1330-20-7	X	X
	Tentatively Identified Compounds (TICs)		X	X	
Polychlorinated Biphenyls	EPA 8082	Aroclor 1016	12674-11-2	X	X
		Aroclor 1221	11104-28-2	X	X
		Aroclor 1232	11141-16-5	X	X
		Aroclor 1242	53469-21-9	X	X
		Aroclor 1248	12672-29-6	X	X
		Aroclor 1254	11097-69-1	X	X
		Aroclor 1260	11096-82-5	X	X
Total Petroleum Hydrocarbons	EPA 8015/EPA 1664	Diesel	64742-46-7	X	X
		Gasoline	8006-61-9	X	X
		Oil & Grease	68153-81-1	X	X

Notes:

The laboratory will be instructed to report the top 25 Tentatively Identified Compounds (TICs) under method 8260B and 8270C.

¹For polynuclear aromatic hydrocarbons, Method 8270C is the primary analytical method, but Method 8310 may be used if necessary.

²Method 3540 for extraction and Method 3640 for cleanup are to be used as appropriate.



- Tronox Property
- Historical Ditches
- TIMET NFA Area

- Supplemental Sampling Locations**
- Soil Samples to Groundwater
 - Surface Sample for Asbestos
 - Soil Sample to 10 ft bgs

BEC / Tronox Parcels C, D, F, G, and H
 BMI Common Areas, Henderson, Nevada

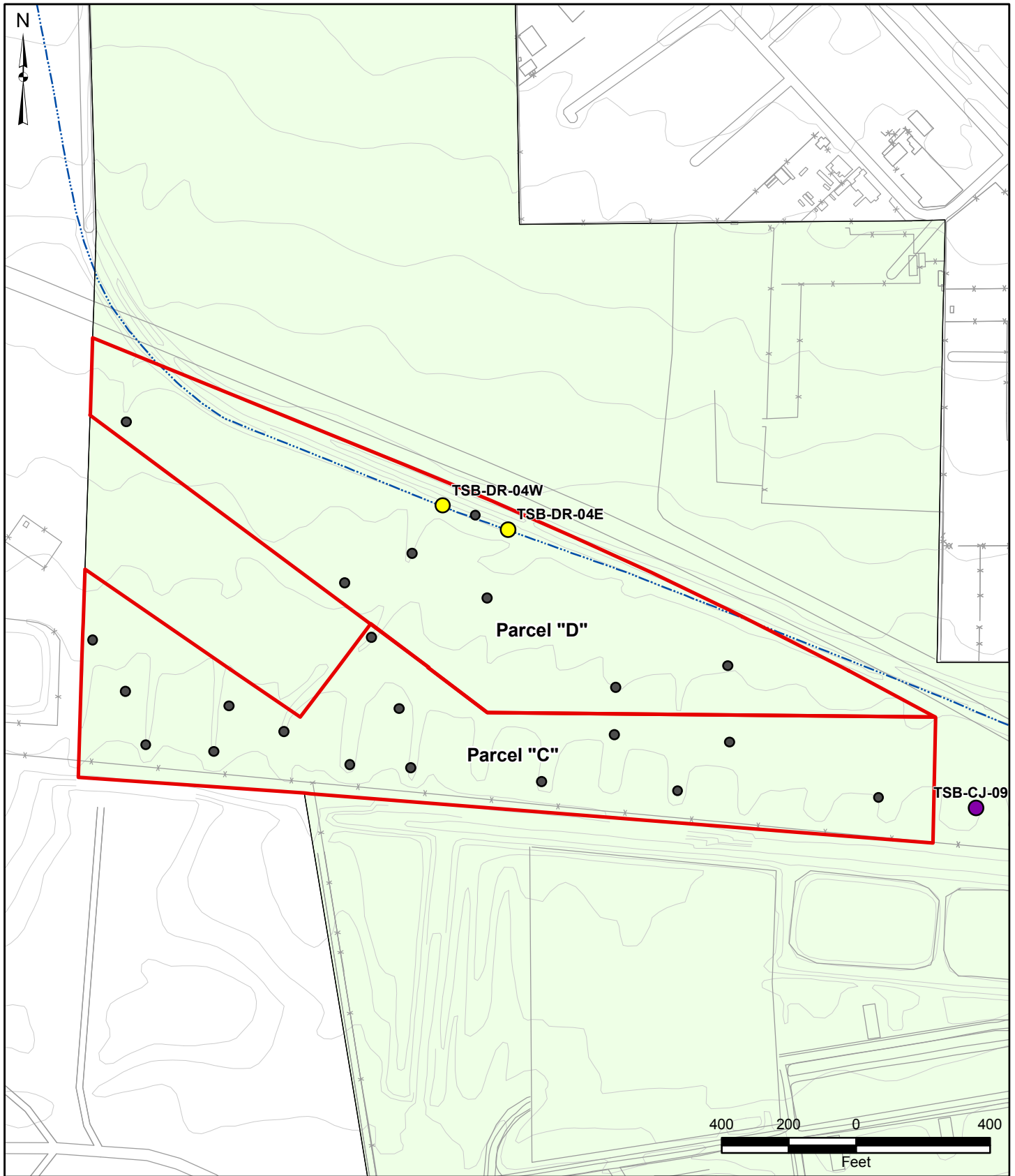
FIGURE 1

**TRONOX/BEC PARCEL
 MAP WITH SUPPLEMENTAL
 SOIL SAMPLE LOCATIONS**



Prepared by: **MRJ** Date: **05/21/08**

JOB No. 0069073
 FILE: GIS/BEC/TRONOX/SUPPL_PTS.MXD



- Tronox Property
- Historical Ditches
- Existing Sampling Locations

- Supplemental Sampling Locations
- Soil Samples to Groundwater
 - Surface Sample for Asbestos
 - Soil Sample to 10 ft bgs

BEC / Tronox Parcels C, D, F, G, and H
 BMI Common Areas, Henderson, Nevada

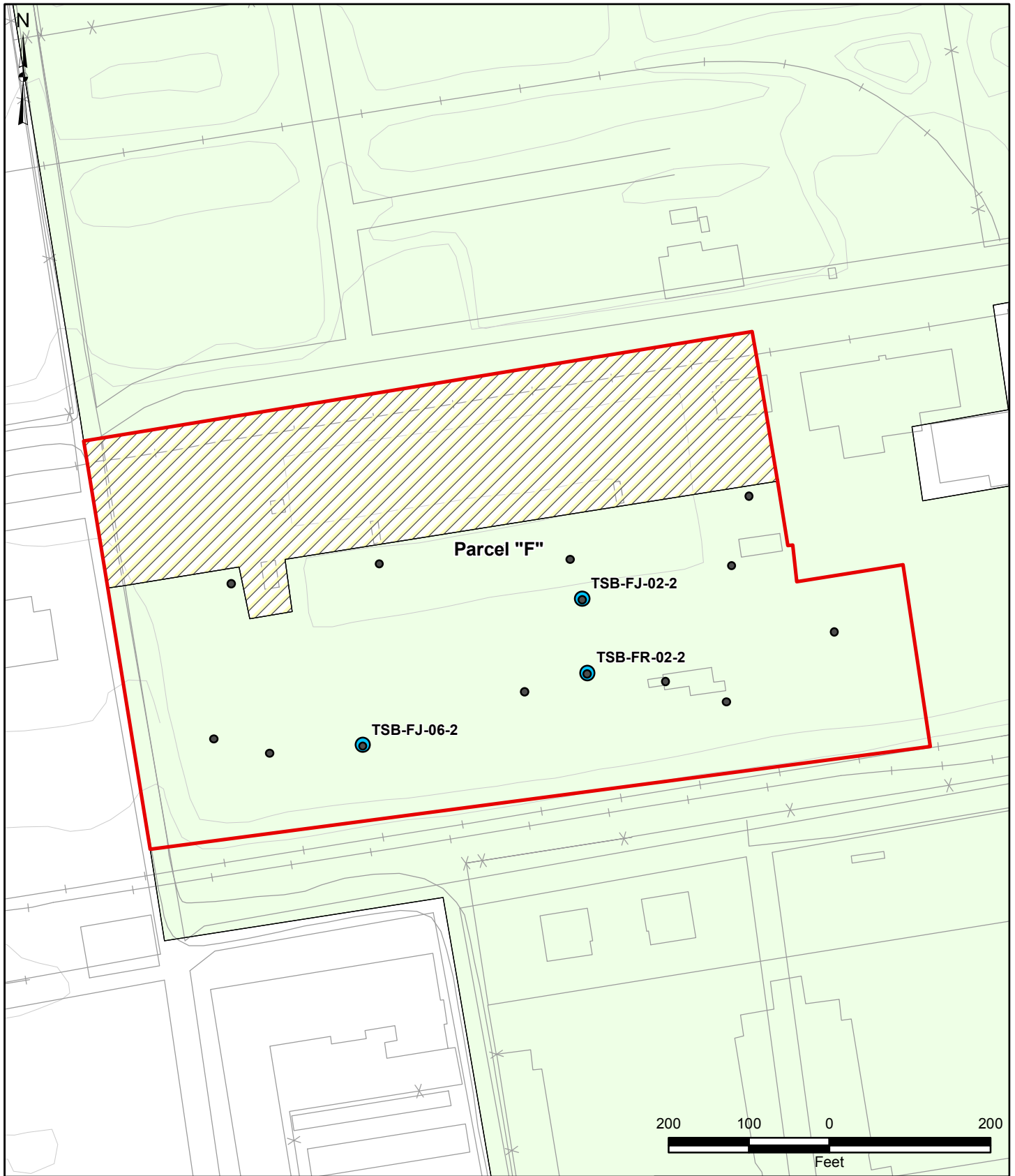
FIGURE 2





**TRONOX/BEC PARCELS
 C AND D SUPPLEMENTAL
 SOIL SAMPLE LOCATIONS**






Prepared by: MKJ Date: 05/21/08

JOB No. 0069073
 FILE: GIS/BEC/TRONOX/SUPPL_PTS.MXD



-  Tronox Property
-  Historical Ditches
-  TIMET NFA Area
-  Existing Sampling Locations


- Supplemental Sampling Locations
-  Soil Samples to Groundwater
 -  Surface Sample for Asbestos
 -  Soil Sample to 10 ft bgs

BEC / Tronox Parcels C, D, F, G, and H
 BMI Common Areas, Henderson, Nevada

FIGURE 3

**TRONOX/BEC PARCEL F
 SUPPLEMENTAL SOIL
 SAMPLE LOCATIONS**



Prepared by:  Date: 05/21/08
 MKJ

JOB No. 0069073
 FILE: GIS/BEC/TRONOX/SUPPL_PTS.MXD



- Tronox Property
- Historical Ditches
- Existing Sampling Locations

- Supplemental Sampling Locations**
- Soil Samples to Groundwater
 - Surface Sample for Asbestos
 - Soil Sample to 10 ft bgs

BEC / Tronox Parcels C, D, F, G, and H
 BMI Common Areas, Henderson, Nevada

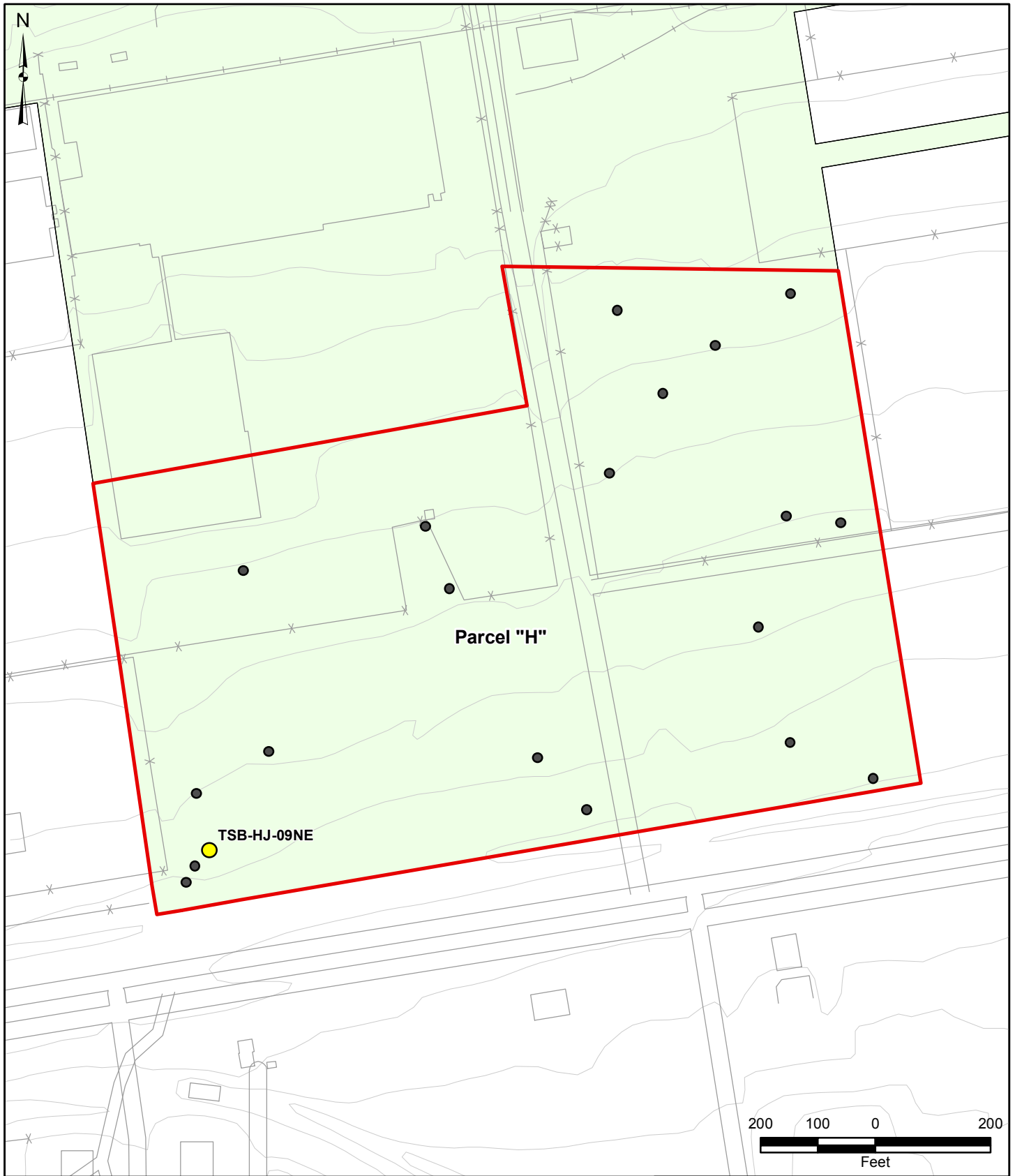
FIGURE 4

**TRONOX/BEC PARCEL G
 SUPPLEMENTAL SOIL
 SAMPLE LOCATIONS**



Prepared by: **MKJ** Date: **05/21/08**

JOB No. 0069073
 FILE: GIS/BEC/TRONOX/SUPPL_PTS.MXD



- Tronox Property
- Historical Ditches
- Existing Sampling Locations

- Supplemental Sampling Locations
- Soil Samples to Groundwater
 - Surface Sample for Asbestos
 - Soil Sample to 10 ft bgs

BEC / Tronox Parcels C, D, F, G, and H
 BMI Common Areas, Henderson, Nevada

FIGURE 5

**TRONOX/BEC PARCEL H
 SUPPLEMENTAL SOIL
 SAMPLE LOCATIONS**



Prepared by: **MKJ** Date: **05/21/08**

JOB No. 0069073
 FILE: GIS/BEC/TRONOX/SUPPL_PTS.MXD