

Montana Tech Library

## Digital Commons @ Montana Tech

---

Silver Bow Creek/Butte Area Superfund Site

Montana Superfund

---

Summer 6-22-2023

### **Draft Final 2023 Residential Metals Abatement Program (RMAP) Park Soil Sampling Field Sampling Plan (FSP) Submittal #9 [Centerville Skating Rink, Belmont Senior Citizens Center, High Altitude Skating Rink, Missoula Gulch Ballfield Play Area, MAC Facilities, Butte Family YMCA, Church of Christ, and Montana Tech South Campus]**

Pioneer Technical Services, Inc.

Follow this and additional works at: [https://digitalcommons.mtech.edu/superfund\\_silverbowbutte](https://digitalcommons.mtech.edu/superfund_silverbowbutte)



Part of the [Environmental Health and Protection Commons](#), [Environmental Indicators and Impact Assessment Commons](#), and the [Environmental Monitoring Commons](#)

---

# Atlantic Richfield Company

## Mike Mc Anulty

Liability Manager

317 Anaconda Road

Butte MT 59701

Direct (406) 782-9964

Fax (406) 782-9980

June 22, 2023

Nikia Greene  
Remedial Project Manager  
US EPA – Montana Office  
Baucus Federal Building  
10 West 15th Street, Suite 3200  
Helena, Montana 59626

Erin Agee  
Senior Assistant Regional Counsel  
US EPA Region 8 Office of Regional Counsel CERCLA  
Enforcement Section  
1595 Wynkoop Street  
Denver, CO 80202  
Mail Code: 8ORC-C

Daryl Reed  
DEQ Project Officer  
P.O. Box 200901  
Helena, Montana 59620-0901

Jonathan Morgan, Esq.  
DEQ, Legal Counsel  
P.O. Box 200901  
Helena, Montana 59620-0901

**RE: Draft Final RMAP Park Soil Sampling Field Sampling Plan (FSP) Submittal #9 [Covering Centerville Skating Rink, Belmont Senior Citizens Center, High Altitude Skating Rink, Missoula Gulch Ballfield Play Area, MAC Facilities, Butte Family YMCA, Church of Christ, and Montana Tech South Campus]**

Agency Representatives:

I am writing to you on behalf of Atlantic Richfield Company and Butte-Silver Bow to submit the Draft Final Residential Metals Abatement Program (RMAP) Park Soil Sampling Field Sampling Plan Submittal #9, which addresses soil sampling at Centerville Skating Rink, Belmont Senior Citizens Center, High Altitude Skating Rink, Missoula Gulch Ballfield Play Area, MAC Facilities, Butte Family YMCA, Church of Christ, and Montana Tech South Campus under the RMAP program. The report and appendices may be downloaded at the following link:

[https://pioneertechnicalservices.sharepoint.com/:f/s/submitted/EiLjiQGegL9BrM5aRMaEqLUBJqBuG\\_ILIHbfbjUmBSKY4w](https://pioneertechnicalservices.sharepoint.com/:f/s/submitted/EiLjiQGegL9BrM5aRMaEqLUBJqBuG_ILIHbfbjUmBSKY4w).

If you have any questions or comments, please call me at (907) 355-3914 or Eric Hassler at (406) 497-5042.

Sincerely,



---

Mike Mc Anulty  
Liability Manager  
Remediation Management Services Company  
An affiliate of **Atlantic Richfield Company**



---

Eric Hassler, Director  
Department of Reclamation  
and Environmental Services  
Butte-Silver Bow



A bp affiliated company

# Atlantic Richfield Company

## Mike Mc Anulty

Liability Manager

317 Anaconda Road

Butte MT 59701

Direct (406) 782-9964

Fax (406) 782-9980

Cc: Chris Greco / Atlantic Richfield – email  
Josh Bryson / Atlantic Richfield – email  
Loren Burmeister / Atlantic Richfield – email  
Dave Griffis / Atlantic Richfield – email  
Jean Martin / Atlantic Richfield – email  
Irene Montero / Atlantic Richfield – email  
David A. Gratson / Environmental Standards – email  
Mave Gasaway / DGS – email  
Adam Cohen / DGS – email  
Brianne McClafferty / Holland & Hart – email  
David Shanight / CDM – email  
Curt Coover / CDM – email  
James Freeman / DOJ – email  
Amy Steinmetz / DEQ – email  
Dave Bowers / DEQ – email  
Carolina Balliew / DEQ – email  
Katie Garcin-Forba / DEQ – email  
Jim Ford / NRDP – email  
Pat Cunneen / NRDP – email  
Katherine Hausrath / NRDP – email  
Ted Duaine / MBMG – email  
Gary Icopini / MBMG – email  
Becky Summerville / MR – email  
John DeJong / UP – email  
Robert Bylsma / UP – email  
John Gilmour / Kelley Drye – email  
Leo Berry / BNSF – email  
Robert Lowry / BNSF – email  
Brooke Kuhl / BNSF – email  
Lauren Knickrehm / BNSF – email  
Doug Brannan / Kennedy Jenks – email  
Matthew Mavrinac / RARUS – email  
Harrison Roughton / RARUS – email  
Brad Gordon / RARUS – email  
Mark Neary / BSB – email  
Eric Hassler / BSB – email  
Julia Crain / BSB – email  
Brandon Warner / BSB – email  
Abigail Peltomaa / BSB – email  
Eileen Joyce / BSB – email  
Sean Peterson / BSB – email  
Josh Vincent / WET – email  
Scott Bradshaw / W&C – email  
Emily Stoick / W&C – email  
Pat Sampson / Pioneer – email

# Atlantic Richfield Company

## Mike Mc Anulty

Liability Manager

317 Anaconda Road

Butte MT 59701

Direct (406) 782-9964

Fax (406) 782-9980

Andy Dare / Pioneer – email

Karen Helfrich / Pioneer – email

Randa Colling / Pioneer – email

Ian Magruder/ CTEC – email

CTEC of Butte – email

Scott Juskiewicz / Montana Tech – email

File: MiningSharePoint@bp.com – email

BPSOU SharePoint – upload



A bp affiliated company

---

**SILVER BOW CREEK/BUTTE AREA NPL SITE  
BUTTE PRIORITY SOILS OPERABLE UNIT**

---

***Draft Final***

***2023 Residential Metals Abatement Program (RMAP)  
Park Soil Sampling Field Sampling Plan (FSP)  
Submittal #9***

***[Centerville Skating Rink, Belmont Senior Citizens  
Center, High Altitude Skating Rink, Missoula Gulch  
Ballfield Play Area, MAC Facilities, Butte Family  
YMCA, Church of Christ, and Montana Tech South  
Campus]***

***Butte-Silver Bow County***

**and**

***Atlantic Richfield Company***

**June 22, 2023**

---

# **SILVER BOW CREEK/BUTTE AREA NPL SITE BUTTE PRIORITY SOILS OPERABLE UNIT**

---

***Draft Final***

***2023 Residential Metals Abatement Program (RMAP)  
Park Soil Sampling Field Sampling Plan (FSP)  
Submittal #9***

***[Centerville Skating Rink, Belmont Senior Citizens  
Center, High Altitude Skating Rink, Missoula Gulch  
Ballfield Play Area, MAC Facilities, Butte Family  
YMCA, Church of Christ, and Montana Tech South  
Campus]***

Prepared for:

***Butte-Silver Bow County***  
Superfund Division  
155 W. Granite  
Butte, Montana 59701

and

***Atlantic Richfield Company***  
317 Anaconda Road  
Butte, Montana 59701

Prepared by:

***Pioneer Technical Services, Inc.***  
1101 S. Montana Street  
Butte, Montana 59701

**June 22, 2023**

## TABLE OF CONTENTS

	<u>Page</u>
1.0 INTRODUCTION .....	1
2.0 PARK SOIL SAMPLING SCOPE .....	1
3.0 PARK SOIL SAMPLING SCHEDULE.....	1
4.0 FIELD SAMPLING PLAN .....	1
4.1 Soil Sampling Procedures .....	1
4.1.1 Soil Sampling Density, Location, and Compositing.....	2
4.1.2 Soil Sampling Depths .....	2
4.1.3 Equipment Decontamination .....	2
4.2 Sampling Polygon Delineation .....	2
4.2.1 Centerville Skating Rink.....	2
4.2.2 Belmont Senior Citizens Center.....	3
4.2.3 High Altitude Skating Rink .....	3
4.2.4 Missoula Gulch Ballfield Play Area .....	4
4.2.5 MAC Facilities.....	5
4.2.6 Butte Family YMCA.....	6
4.2.7 Church of Christ.....	6
4.2.8 Montana Tech South Campus .....	7
4.3 Deviations .....	7
5.0 LABORATORY METHODS .....	8
5.1 Soil Metals Analyses Methods.....	8
6.0 QUALITY CONTROL .....	8
6.1 Field Quality Control Samples.....	8

## LIST OF FIGURES

- Figure 1. Centerville Skating Rink Field Sampling Plan  
Figure 2. Belmont Senior Citizens Center Field Sampling Plan  
Figure 3. High Altitude Skating Rink Field Sampling Plan  
Figure 4. Missoula Gulch Ballfield Play Area Field Sampling Plan  
Figure 5. MAC Facilities Field Sampling Plan  
Figure 6. Butte Family YMCA Field Sampling Plan  
Figure 7. Church of Christ Field Sampling Plan  
Figure 8. Montana Tech South Campus Field Sampling Plan (1/2)  
Figure 9. Montana Tech South Campus Field Sampling Plan (2/2)

## LIST OF TABLES

- Table 1. 2023 RMAP Park Soil Sampling Property List (FSP Submittal #9)  
Table 2. 2023 RMAP Park Soil Sampling Quantity Summary (FSP Submittal #9)

## LIST OF ATTACHMENTS

- Attachment A Final 2023 Residential Metals Abatement Program (RMAP) Quality Assurance Project Plan (QAPP) (Non-Residential Parcels)

## DOCUMENT MODIFICATION SUMMARY

Modification	Author	Version	Description	Date
0	Jesse Schwarzrock	Draft Final	Issued for Agency Review	June 22, 2023



## **1.0 INTRODUCTION**

This Field Sampling Plan (FSP) was developed to outline a portion of the 2023 Residential Metals Abatement Program (RMAP) park/play area soil sampling plan for parks in the Butte, Montana, area. Soil sampling procedures, data quality objectives, standard operating procedures, sampling analytical methods, sampling equipment, quality control (QC) samples, and data validation and assessment will be conducted according to the *Final Residential Metals Abatement Program (RMAP) Quality Assurance Project Plan (QAPP) (Non-Residential Parcels)*<sup>1</sup> (referred to herein as QAPP), provided in Attachment A.

## **2.0 PARK SOIL SAMPLING SCOPE**

The scope of work covered by this FSP includes the following parks:

- Centerville Skating Rink.
- Belmont Senior Citizens Center.
- High Altitude Skating Rink.
- Missoula Gulch Ballfield Play Area.
- Maroon Activity Center (MAC) Facilities.
- Butte Family YMCA.
- Church of Christ (publicly accessible playground area).
- Montana Technological University (Montana Tech) South Campus.

The attached figure set depicts the areas to be sampled and shows the individual sampling polygons and associated areas. Table 1 lists the park properties (along with resident identifications (IDs), geocodes, and ownership information), and Table 2 shows the anticipated sampling quantities for the parks covered by this FSP.

## **3.0 PARK SOIL SAMPLING SCHEDULE**

Sampling schedules will be finalized through ongoing conversations with appropriate representatives. Pending Agency approvals, sampling efforts will begin in June 2023. The appropriate utility locating service (i.e., One Call Utility Locate Services) will be contacted and informed of sampling activities 48 hours prior to commencement.

## **4.0 FIELD SAMPLING PLAN**

### **4.1 Soil Sampling Procedures**

Soil sampling procedures will be completed as stated in Section 3.1 (for composite sampling) and Section 3.2 (for incremental sampling) of the QAPP (Attachment A).

---

<sup>1</sup> The development of this document is currently ongoing with an anticipated submittal in June 2023. The QAPP will be included as Attachment A of this document upon Agency approval.

#### **4.1.1 Soil Sampling Density, Location, and Compositing**

Soil sampling density, location, and compositing decisions will be made according to the information provided in Section 3.1.1 (for composite sampling) and Section 3.2.1 (for incremental sampling) of the QAPP (Attachment A).

#### **4.1.2 Soil Sampling Depths**

Sampling depths will be selected as stated in Section 3.1.2 (for composite sampling) and Section 3.2.2 (for incremental sampling) of the QAPP (Attachment A).

#### **4.1.3 Equipment Decontamination**

Reusable sampling equipment will be decontaminated as described in Section 3.1.4 (for composite sampling) and Section 3.2.4 (for incremental sampling) of the QAPP (Attachment A).

### **4.2 Sampling Polygon Delineation**

The reasoning behind the delineation of sampling polygons is documented below. This information was collected from Butte-Silver Bow (BSB) representatives and site visits. Field sampling crews will have the flexibility to make minor modifications to these polygons in the field as needed (e.g., if crews discover a garden area that was not previously delineated, they will have the ability to add it to the plan and sample accordingly) in consultation with the Agencies' field representative.

#### **4.2.1 Centerville Skating Rink**

This site (0.2 acre) is used as a skating rink in the winter months and is located at the corner of North Main Street and Mullin Street. The site is within the footprint of Butte Remediation Evaluation System (BRES) Site No. 359 (Old Glory). Due mainly to the date of historical remedial actions and current land use of this area, a portion of the site has been proposed for characterization under the 2023 RMAP non-residential soil sampling effort to ensure that historical remedial efforts meet 2023 standards (Figure 1). The remainder of the site is believed to be adequately addressed under the existing BRES program.

- Land Use Category #1 (playgrounds) – This land use category is not applicable at this site.
- Land Use Category #2 (high access areas/barren sports areas) – The portion of the site identified for RMAP soil sampling is composed of an earthen walkway and an aggregate covered skating rink. These areas have been designated as highly accessible areas that will be sampled per the composite sampling method logic detailed in Section 3.1 of the QAPP (Attachment A).
- Land Use Category #3 (grass areas/turf covered sports fields) – This land use category is not applicable at this site. Attachment A

- Land Use Category #4 (low access areas/low maintenance areas) – This land use category is not applicable at this site.
- Land Use Category #5 (garden areas) – This land use category is not applicable at this site.

#### **4.2.2 Belmont Senior Citizens Center**

The Belmont Senior Citizens Center is located at the corner of Shields Avenue and East Mercury Street. The portion of the site proposed for RMAP soil sampling (1.5 acres) consists of lawn areas within an outdoor communal gathering area in the northwest corner of the site along with lawn areas surrounding the senior center building. The site is comprised of BRES Site No. 338 (Belmont Hoist). The FSP was developed in consultation with BSB and identified portions of the site that are believed to meet the land use criteria to qualify for RMAP non-residential soil sampling (Figure 2). The remainder of the site is believed to be adequately addressed under the existing BRES program.

- Land Use Category #1 (playgrounds) – Attachment A This land use category is not applicable at this site.
- Land Use Category #2 (high access areas/barren sports areas) – Attachment A This land use category is not applicable at this site.
- Land Use Category #3 (grass areas/turf covered sports fields) – There are two distinct established/maintained lawn areas within the Belmont Senior Citizen Center site that will be sampled separately. The first area consists of a lawn section within the communal gathering area in the northwest corner of the site. This area will be sampled under the incremental sampling methodology detailed in Section 3.2 of the QAPP (Attachment A). The second lawn area surrounding the senior citizens building will be sampled per the composite logic detailed in Section 3.1 of the QAPP (Attachment A). Based on the total area surrounding the senior citizens building, this lawn area will be broken into two sampling units.
- Land Use Category #4 (low access areas/low maintenance areas) – This land use category is not applicable at this park.
- Land Use Category #5 (garden areas) – This land use category is not applicable at this park.

#### **4.2.3 High Altitude Skating Rink**

The High Altitude Skating Rink is one of Butte’s most heavily used skating rinks. It is approximately 12.6 acres in size and is located on Olympic Way off Continental Drive on Butte’s extreme south end. Due to its geographic location, it has a low likelihood of metals exceedances. Therefore, a phased sampling approach has been selected for this site. This FSP details sampling of those areas with the highest level of use. These areas consist of a speed skating track, lawn areas surrounding the speed skating track, and a hockey rink near the southwest corner of the property. These areas targeted for RMAP non-residential soil sampling

total approximately 6.0 acres (Figure 3). This initial data set will be evaluated to determine if additional RMAP soil sampling will be conducted within the site.

- Land Use Category #1 (playgrounds) – This land use category is not applicable at this site.
- Land Use Category #2 (high access areas/barren sports areas) – There are two separate aggregate covered areas (the speed skating track and the hockey rink) that are flooded during winter months for use. These areas have been designated as highly accessible areas that will be sampled per the composite sampling method logic detailed in Section 3.1 of the QAPP (Attachment A). Due to the total areas involved, the speed skating track has been divided into ten sampling units, while the hockey rink has been divided into three sampling units.
- Land Use Category #3 (grass areas/turf covered sports fields) – The remainder of the areas identified for sampling at the site consist of established/maintained lawn areas inside and surrounding the speed skating track. Due to their well-maintained nature and consistent land use, these areas have been designated as grass sampling areas and will be sampled as one incremental sampling unit according the incremental sampling method logic that is detailed in Section 3.2 of the QAPP (Attachment A).
- Land Use Category #4 (low access areas/low maintenance areas) – This land use category is not applicable at this site.
- Land Use Category #5 (garden areas) – This land use category is not applicable at this site.

#### **4.2.4 Missoula Gulch Ballfield Play Area**

The Missoula Gulch Ballfield Play Area site is in the north central part of Butte off Missoula Avenue. Records indicate that the site was remediated in approximately 1997. Given the physical location of the site along with the lack of remedial action construction documentation (historical as-builts indicate there could potentially be a gap in remedial efforts, particularly around the play area and the northern ballfield) typical of this time frame, the portion of this site that receives the highest level of use by Butte area children (approximately 3.1 acres) has been proposed for characterization under the 2023 RMAP non-residential soil sampling effort to ensure that historical remedial efforts meet 2023 standards. Additionally, the slope to the east of the ballfields (as shown on Figure 4) is believed to be unreclaimed. Due to differing land uses, this portion of the site will be addressed under the appropriate unreclaimed/insufficiently reclaimed sites program. At the Agencies' request, the intent is to address sampling/characterization of the entire site (under the two separate programs) in 2023.

- Land Use Category #1 (playgrounds) – The Missoula Gulch Ballfield site has one playground area. This playground area will be sampled per the composite sampling methodology detailed in Section 3.1 of the QAPP (Attachment A).
- Land Use Category #2 (high access areas/barren sports areas) – There are three distinct aggregate covered areas identified for RMAP soil sampling. The first is an aggregate covered road and parking lot west of the northern most baseball field. Due to its total

area, this road and parking lot area has been split into four sampling areas. The second and third aggregate covered areas are the infield areas of the two baseball fields within the site. Each infield area will be sampled separately. All these areas will be sampled per the composite sampling methodology detailed in Section 3.1 of the QAPP (Attachment A).

- Land Use Category #3 (grass areas/turf covered sports fields) – The remaining sampling areas included in this FSP are well established/maintained grass areas (specifically the outfield areas of the two baseball fields along with the lawn area between the two fields. Due to their total areas, each of the outfield areas have been split into three sampling units. The lawn area between the two baseball fields is one sampling unit. All these areas will be sampled per the composite logic detailed in Section 3.1 of the QAPP (Attachment A).
- Land Use Category #4 (low access areas/low maintenance areas) – This land use category is not applicable at this site.
- Land Use Category #5 (garden areas) – This land use category is not applicable at this site.

#### **4.2.5 MAC Facilities**

The MAC site is located on East Mercury Street and is approximately 10.1 acres in size. The site is composed primarily of BRES Site No. 339 (Butte New England) and BRES Site No. 116 (Belmont Mine Yard). Its current land use is the home for Butte Central High School athletics. Records indicate that the site was remediated in approximately 1984/1985 with beautification projects completed throughout the years to bring the site to its current condition. Due mainly to the date of historical remedial actions and current land use of this area, a portion of the site has been proposed for characterization under the 2023 RMAP non-residential soil sampling effort to ensure that historical remedial efforts meet 2023 standards (Figure 5). The remainder of the site is believed to be adequately addressed under the existing BRES program.

- Land Use Category #1 (playgrounds) – Attachment A This land use category is not applicable at this site.
- Land Use Category #2 (high access areas/barren sports areas) – This land use category is not applicable at this site.
- Land Use Category #3 (grass areas/turf covered sports fields) – There are two distinct established, well maintained lawn areas within the MAC site that will be sampled separately. The first is the football practice field on the west side of the site. The second is lawn areas surrounding the gymnasium. Due to their consistent land use and well-maintained nature, these areas have been designated as maintained grass sampling areas that will be sampled per the incremental sampling method logic detailed in Section 3.2 of the QAPP (Attachment A).
- Land Use Category #4 (low access areas/low maintenance areas) – This land use category is not applicable at this site.
- Land Use Category #5 (garden areas) – This land use category is not applicable at this site.

#### **4.2.6 Butte Family YMCA**

The Butte Family YMCA site (2.4 acres) is a communal gathering area off Hansen Road that serves the public in Butte. Furthermore, evidence was found of a contaminated historical railroad bed source area within the site (see Figure 6). Given the current land use and lack of information around the historical railbed source area, the entire site is proposed for RMAP non-residential soil sampling in 2023.

- Land Use Category #1 (playgrounds) – The Butte Family YMCA has a fenced playground area near the entrance to the building. Due to the total playground area, the playground will be split into two sampling units and will be sampled per the composite methodology detailed in Section 3.1 of the QAPP (Attachment A).
- Land Use Category #2 (high access areas/barren sports areas) – The site has an aggregate covered parking lot area on the north side of the building. Due to its lack of vegetative cover and proximity to the building, this area has been designated a high access area. Due to the total area involved, the parking lot area will be split into two sampling units and will be sampled per the composite methodology detailed in Section 3.1 of the QAPP (Attachment A).
- Land Use Category #3 (grass areas/turf covered sports fields) – The remainder of the property consists of established/maintained lawn areas (including the contaminated historical railroad bed source area). Due to their well-maintained nature and consistent land use, these areas have been designated as grass sampling areas. These grass areas will be split into two incremental sampling units to isolate the contaminated historical railroad bed source area and will be sampled according the incremental sampling method logic that is detailed in Section 3.2 of the QAPP (Attachment A).
- Land Use Category #4 (low access areas/low maintenance areas) – This land use category is not applicable at this park.
- Land Use Category #5 (garden areas) – This land use category is not applicable at this park.

#### **4.2.7 Church of Christ**

The Church of Christ site (1.7 acres) is located at the corner of Lexington Avenue and Evans Avenue. It contains a publicly accessible playground area and is therefore included in the 2023 RMAP soil sampling effort (see Figure 7).

- Land Use Category #1 (playgrounds) – There is a small playground area near the northeast east corner of the church. It will be sampled per the composite methodology detailed in Section 3.1 of the QAPP (Attachment A).
- Land Use Category #2 (high access areas/barren sports areas) – The site has an aggregate covered parking lot area on the west, south, and east side of the church. Due to its lack of vegetative cover and proximity to the building, this area has been designated a high access area. Due to the total area involved, the parking lot area will be split into four

sampling units and will be sampled per the composite methodology detailed in Section 3.1 of the QAPP (Attachment A).

- Land Use Category #3 (grass areas/turf covered sports fields) – The remainder of the property consists of established/maintained lawn areas. Due to their well-maintained nature and consistent land use, these areas have been designated as grass sampling areas and will be sampled per the incremental sampling methodology detailed in Section 3.2 of the QAPP (Attachment A).
- Land Use Category #4 (low access areas/low maintenance areas) – This land use category is not applicable at this site.
- Land Use Category #5 (garden areas) – This land use category is not applicable at this site. Attachment A

#### **4.2.8 Montana Tech South Campus**

Montana Tech's south campus, Highlands College, is approximately 23 acres in size and is located in the south part of Butte off Basin Creek Road. Due to its geographic location, it has a low likelihood of metals exceedances. Therefore, a phased sampling approach has been selected for this site. This FSP details sampling of those areas with the highest level of use (Figure 8 and Figure 9). These areas consist of approximately 9.1 acres north of the school building that is used extensively by the utility lineman training program. This initial data set will be evaluated to determine if additional RMAP soil sampling will be conducted within the site.

- Land Use Category #1 (playgrounds) – Attachment A This land category is not applicable at this site. Land Use Category #2 (high access areas/barren sports areas) – This land use category is not applicable at this site.
- Land Use Category #3 (grass areas/turf covered sports fields) – All areas proposed for sampling under this FSP at the Montana Tech South Campus are considered grass covered areas based on their consistent land use and vegetative cover. Due to the total area involved, these areas will be split into two incremental sampling areas and sampled separately per the incremental sampling methodology detailed in Section 3.2 of the QAPP (Attachment A).
- Land Use Category #4 (low access areas/low maintenance areas) – This land use category is not applicable at this site.
- Land Use Category #5 (garden areas) – This land use category is not applicable at this site.

### **4.3 Deviations**

This section addresses any deviations to the Agencies-approved QAPP (Attachment A) pertaining to the 2023 Butte Priority Soils Operable Unit RMAP park soil sampling in or near Butte. Deviations include the following:

- No currently known deviations.

- Any future deviations will be discussed with the Agencies' field representative, documented in the field, and addressed in future Data Summary Reports.

## **5.0 LABORATORY METHODS**

### **5.1 Soil Metals Analyses Methods**

Soil metals analyses will be conducted as stated in Section 3.5 of the QAPP (Attachment A).

## **6.0 QUALITY CONTROL**

### **6.1 Field Quality Control Samples**

Field QC will be conducted as stated in Sections 3.6 and 3.6.1 of the QAPP (Attachment A).



## **FIGURES**

- Figure 1. Centerville Skating Rink Field Sampling Plan**
- Figure 2. Belmont Senior Citizens Center Field Sampling Plan**
- Figure 3. High Altitude Skating Rink Field Sampling Plan**
- Figure 4. Missoula Gulch Ballfield Play Area Field Sampling Plan**
- Figure 5. MAC Facilities Field Sampling Plan**
- Figure 6. Butte Family YMCA Field Sampling Plan**
- Figure 7. Church of Christ Field Sampling Plan**
- Figure 8. Montana Tech South Campus Field Sampling Plan (1/2)**
- Figure 9. Montana Tech South Campus Field Sampling Plan (2/2)**



NOTES:

1. SITE IS COMPRISED OF BRES SITE NO. 359 (OLD GLORY). FSP DEVELOPED IN CONSULTATION WITH BSB. IDENTIFIED AREAS THAT MEET LAND USE CRITERIA FOR RMAP PARKS AND PLAYGROUNDS SAMPLING (SKATING RINK FOOTPRINT AND ACCESS POINT AS DEPICTED ON FSP). THE REMAINDER OF THE SITE IS BELIEVED TO BE ADEQUATELY ADDRESSED UNDER EXISTING BRES PROGRAM PROTOCOLS AND SAMPLING.

REMOVED SOURCE AREA  
INFORMATION TAKEN FROM "PRIORITY SOILS OPERABLE  
UNIT FACILITIES & SOURCE AREAS RECLAIMED AREAS &  
LEAD/ARSENIC VALUES, MONTANA STATE LIBRARY  
NATURAL RESOURCE INFORMATION SYSTEM 12/9/1993"

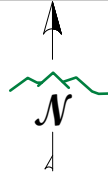
APPROXIMATE BRES SITE NO. 359  
(OLD GLORY) BOUNDARY  
(FOR REFERENCE ONLY)

LEGEND

- LAND USE #1 COMPOSITE SAMPLING (PLAYGROUND AREAS)
- LAND USE #2 COMPOSITE SAMPLING (HIGHLY ACCESSIBLE AREAS/BARREN SPORTS FIELDS)
- LAND USE #3 COMPOSITE SAMPLING (MAINTAINED GRASS AREAS)

- LAND USE #3 ISM SAMPLING (MAINTAINED GRASS AREAS)
- LAND USE #4 COMPOSITE SAMPLING (LOW ACCESS AREAS)
- LAND USE #4 ISM SAMPLING (LOW ACCESS AREAS)
- LAND USE #5 COMPOSITE SAMPLING (GARDEN AREAS)
- OPPORTUNISTIC COMPOSITE SAMPLING
- NON-SAMPLING AREAS

- ISM INCREMENT BOUNDARY
- ISM SAMPLING POLYGON BOUNDARY
- SAMPLING POLYGON BOUNDARY
- SAMPLING PERIMETER BOUNDARY
- BRES SITE NO. 359 (OLD GLORY)



DISPLAYED AS:  
PROJECTION/ZONE: MSP  
DATUM: NAD 83  
UNITS: FEET  
SOURCE: PIONEER

0 15 30 60  
Feet



FIGURE 1  
CENTERVILLE  
SKATING RINK  
FIELD SAMPLING PLAN  
DATE: 5/22/2023



NOTES:

1. SITE COMPRISED OF BRES SITE NO. 338 (BELMONT HOIST). FSP DEVELOPED IN CONSULTATION WITH BSB. AREAS SHOWN ON FSP TARGETED FOR RMAP PARKS AND PLAYGROUNDS SAMPLING ARE BELIEVED TO BE PORTIONS OF THE SITE THAT HAVE THE LAND USE CRITERIA TO QUALIFY FOR THE PROGRAM. REMAINING PORTIONS OF THE SITE BELIEVED TO BE SUFFICIENTLY ADDRESSED UNDER NORMAL BRES PROGRAM PROTOCOLS AND SAMPLING.

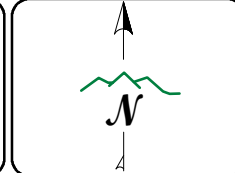
RECLAIMED LANDS SOURCE AREA  
INFORMATION TAKEN FROM "PRIORITY SOILS OPERABLE  
UNIT FACILITIES & SOURCE AREAS RECLAIMED AREAS &  
LEAD/ARSENIC VALUES, MONTANA STATE LIBRARY  
NATURAL RESOURCE INFORMATION SYSTEM 12/9/1993"

RECLAIMED LANDS SOURCE AREA  
INFORMATION TAKEN FROM "PRIORITY SOILS OPERABLE  
UNIT FACILITIES & SOURCE AREAS RECLAIMED AREAS &  
LEAD/ARSENIC VALUES, MONTANA STATE LIBRARY  
NATURAL RESOURCE INFORMATION SYSTEM 12/9/1993"

APPROXIMATE BRES SITE NO. 338  
(BELMONT HOIST) BOUNDARY  
(FOR REFERENCE ONLY)



LEGEND				
<span style="display:inline-block; width:10px; height:10px; background-color:lightcoral; border:1px solid black;"></span> LAND USE #1 COMPOSITE SAMPLING (PLAYGROUND AREAS)	<span style="display:inline-block; width:10px; height:10px; background-color:lightblue; border:1px solid black;"></span> LAND USE #4 COMPOSITE SAMPLING (LOW ACCESS AREAS)	<span style="display:inline-block; width:10px; height:10px; background-color:lightpink; border:1px solid black;"></span> ISM INCREMENT BOUNDARY		
<span style="display:inline-block; width:10px; height:10px; background-color:lightgreen; border:1px solid black;"></span> LAND USE #2 COMPOSITE SAMPLING (HIGHLY ACCESSIBLE AREAS/BARREN SPORTS FIELDS)	<span style="display:inline-block; width:10px; height:10px; background-color:lightyellow; border:1px solid black;"></span> LAND USE #4 ISM SAMPLING (LOW ACCESS AREAS)	<span style="display:inline-block; width:10px; height:10px; background-color:lightpurple; border:1px solid black;"></span> ISM SAMPLING POLYGON BOUNDARY		
<span style="display:inline-block; width:10px; height:10px; background-color:lightgreen; border:1px solid black;"></span> LAND USE #3 COMPOSITE SAMPLING (MAINTAINED GRASS AREAS)	<span style="display:inline-block; width:10px; height:10px; background-color:lightyellow; border:1px solid black;"></span> LAND USE #5 COMPOSITE SAMPLING (GARDEN AREAS)	<span style="display:inline-block; width:10px; height:10px; border:1px solid black;"></span> SAMPLING POLYGON BOUNDARY		
	<span style="display:inline-block; width:10px; height:10px; background-color:lightgreen; border:1px solid black;"></span> OPPORTUNISTIC COMPOSITE SAMPLING	<span style="display:inline-block; width:10px; height:10px; border:1px solid black;"></span> SAMPLING PERIMETER BOUNDARY		
	<span style="display:inline-block; width:10px; height:10px; background-color:lightgreen; border:1px solid black;"></span> NON-SAMPLING AREAS	<span style="display:inline-block; width:10px; height:10px; border:1px solid black;"></span> BRES SITE NO. 338 (BELMONT HOIST)		



DISPLAYED AS:	
PROJECTION/ZONE:	MSP
DATUM:	NAD 83
UNITS:	FEET
SOURCE:	PIONEER
<div><div></div><div>03570140</div><div>Feet</div></div>	

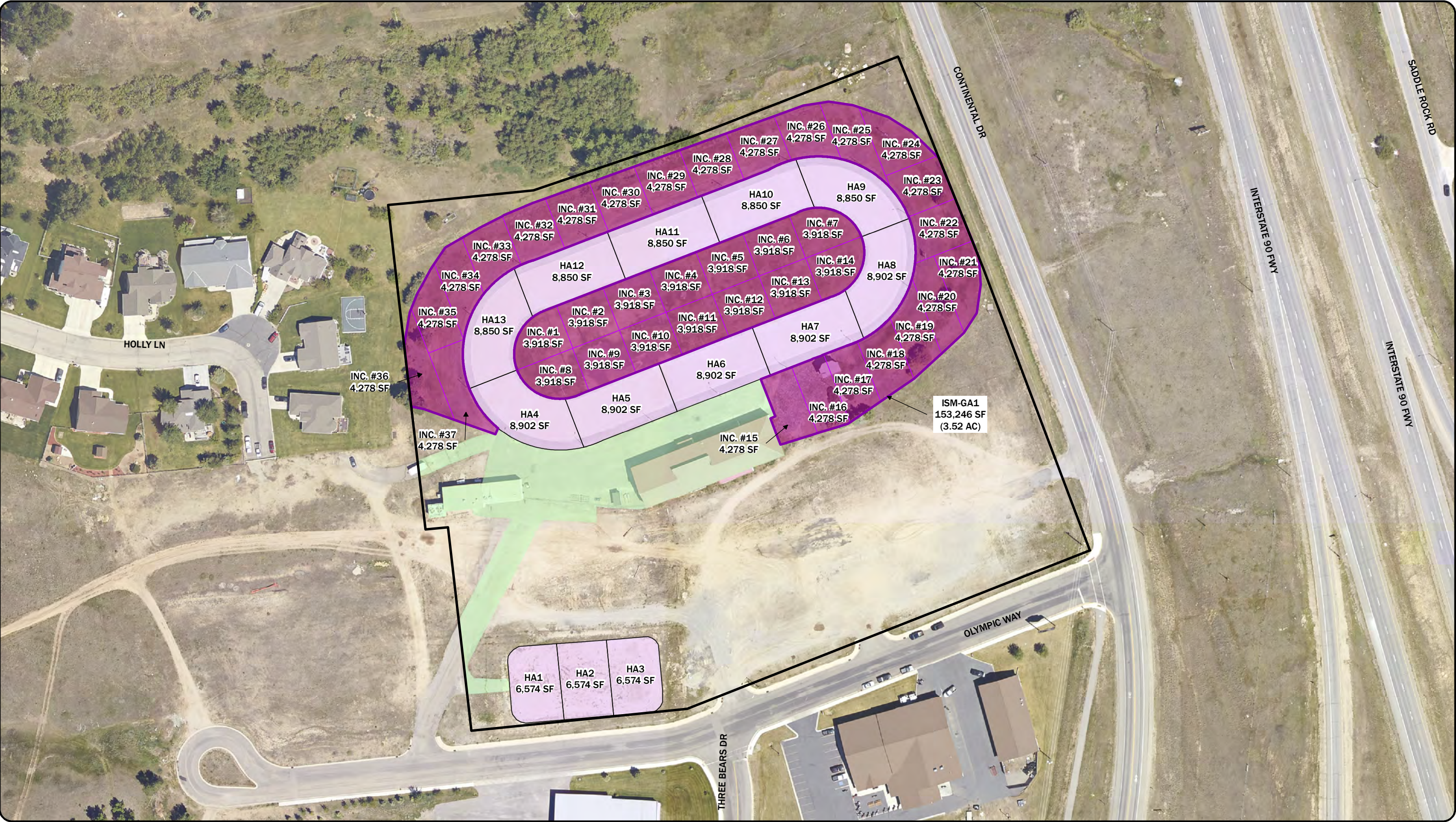
FIGURE 2



DATE: 5/22/2023

BELMONT SENIOR  
CITIZENS CENTER  
FIELD SAMPLING PLAN





**LEGEND**

	LAND USE #1 COMPOSITE SAMPLING (PLAYGROUND AREAS)		LAND USE #3 ISM SAMPLING (MAINTAINED GRASS AREAS)		ISM INCREMENT BOUNDARY
	LAND USE #2 COMPOSITE SAMPLING (HIGHLY ACCESSIBLE AREAS/BARREN SPORTS FIELDS)		LAND USE #4 COMPOSITE SAMPLING (LOW ACCESS AREAS)		ISM SAMPLING POLYGON BOUNDARY
	LAND USE #3 COMPOSITE SAMPLING (MAINTAINED GRASS AREAS)		LAND USE #5 COMPOSITE SAMPLING (GARDEN AREAS)		SAMPLING POLYGON BOUNDARY
	OPPORTUNISTIC COMPOSITE SAMPLING		NON-SAMPLING AREAS		SAMPLING PERIMETER BOUNDARY

DISPLAYED AS: \_\_\_\_\_

PROJECTION/ZONE: MSP

DATUM: NAD 83

UNITS: FEET

SOURCE: PIONEER

**FIGURE 3**

**HIGH ALTITUDE SKATING RINK FIELD SAMPLING PLAN**

DATE: 6/5/2023





LEGEND			
<span style="display:inline-block; width:10px; height:10px; background-color:blue; border:1px solid black;"></span> LAND USE #1 COMPOSITE SAMPLING (PLAYGROUND AREAS)	<span style="display:inline-block; width:10px; height:10px; background-color:lightblue; border:1px solid black;"></span> LAND USE #4 COMPOSITE SAMPLING (LOW ACCESS AREAS)	<span style="display:inline-block; width:10px; height:10px; background-color:yellow; border:1px solid black;"></span> LAND USE #4 ISM SAMPLING (LOW ACCESS AREAS)	<span style="display:inline-block; width:10px; height:10px; background-color:lightblue; border:1px solid black;"></span> ISM INCREMENT BOUNDARY
<span style="display:inline-block; width:10px; height:10px; background-color:purple; border:1px solid black;"></span> LAND USE #2 COMPOSITE SAMPLING (HIGHLY ACCESSIBLE AREAS/BARREN SPORTS FIELDS)	<span style="display:inline-block; width:10px; height:10px; background-color:yellow; border:1px solid black;"></span> LAND USE #5 COMPOSITE SAMPLING (GARDEN AREAS)	<span style="display:inline-block; width:10px; height:10px; background-color:lightblue; border:1px solid black;"></span> OPPORTUNISTIC COMPOSITE SAMPLING	<span style="display:inline-block; width:10px; height:10px; background-color:lightblue; border:1px solid black;"></span> ISM SAMPLING POLYGON BOUNDARY
<span style="display:inline-block; width:10px; height:10px; background-color:green; border:1px solid black;"></span> LAND USE #3 COMPOSITE SAMPLING (MAINTAINED GRASS AREAS)	<span style="display:inline-block; width:10px; height:10px; background-color:lightblue; border:1px solid black;"></span> NON-SAMPLING AREAS		<span style="display:inline-block; width:10px; height:10px; background-color:lightblue; border:1px solid black;"></span> SAMPLING POLYGON BOUNDARY
			<span style="display:inline-block; width:10px; height:10px; background-color:lightblue; border:1px solid black;"></span> SAMPLING PERIMETER BOUNDARY

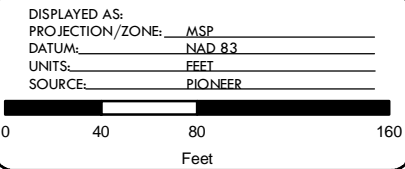
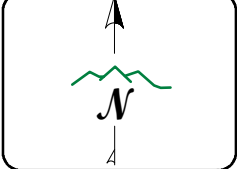


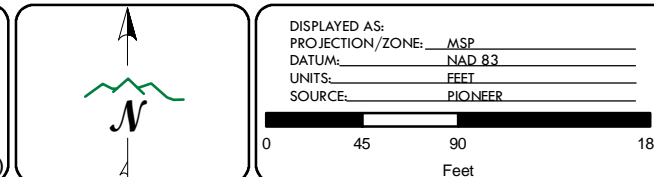
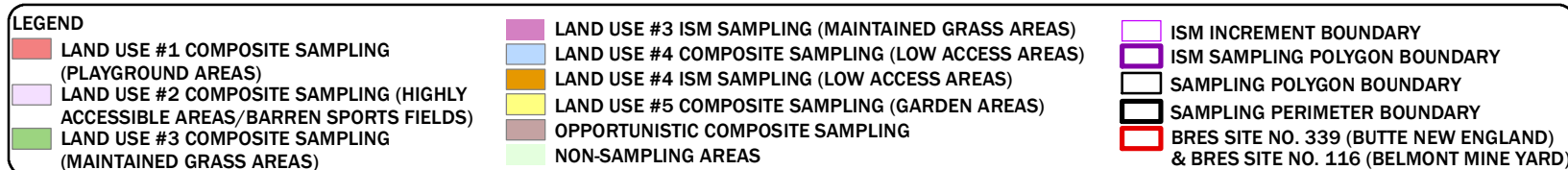
FIGURE 4

MISSOULA GULCH  
BALLFIELD PLAY AREA  
FIELD SAMPLING PLAN

DATE: 4/13/2023



1. SITE COMPRISED PRIMARILY OF BRES SITE NO. 339 (BUTTE NEW ENGLAND) AND A PORTION OF BRES SITE NO. 116 (BELMONT MINE YARD). FSP DEVELOPED IN CONSULTATION WITH BSB. AREAS SHOWN ON FSP TARGETED FOR RMAP PARKS AND PLAYGROUNDS SAMPLING MEET THE LAND USE CRITERIA FOR THE PROGRAM AND ARE BELIEVED TO POTENTIALLY HAVE DEFICIENCIES GIVEN THE AGE OF THE HISTORIC REMEDIAL EFFORTS. REMAINING PORTIONS OF THE BRES SITE BELIEVED TO BE ADEQUATELY ADDRESSED UNDER THE BRES PROGRAM PROTOCOLS AND SAMPLING.



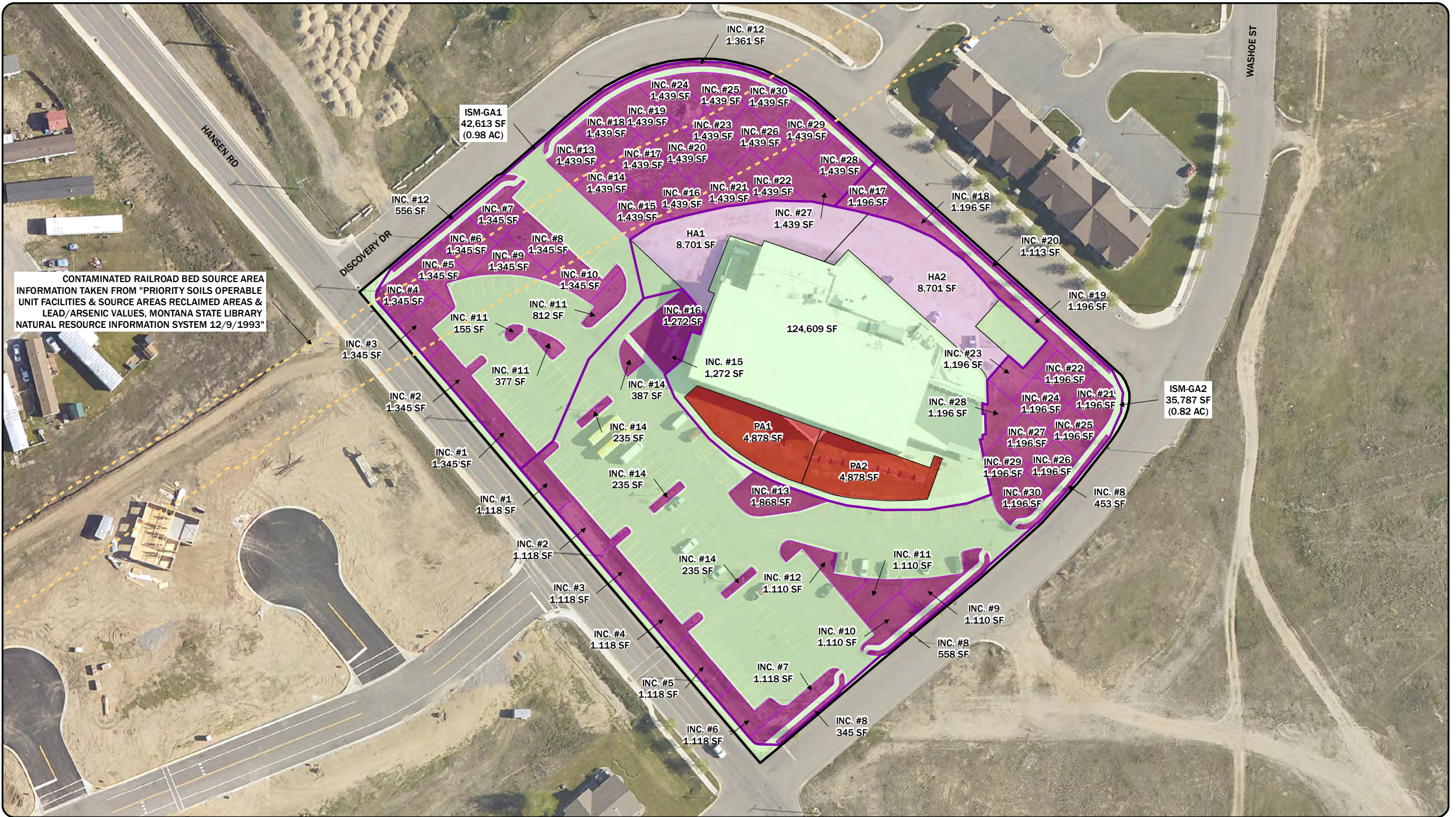
**FIGURE 5**



**MAC FACILITIES  
FIELD SAMPLING PLAN**

DATE: 5/24/2023





**LEGEND**

- LAND USE #1 COMPOSITE SAMPLING (PLAYGROUND AREAS)
- LAND USE #2 COMPOSITE SAMPLING (HIGHLY ACCESSIBLE AREAS/BARREN SPORTS FIELDS)
- LAND USE #3 COMPOSITE SAMPLING (MAINTAINED GRASS AREAS)
- LAND USE #3 ISM SAMPLING (MAINTAINED GRASS AREAS)
- LAND USE #4 COMPOSITE SAMPLING (LOW ACCESS AREAS)
- LAND USE #4 ISM SAMPLING (LOW ACCESS AREAS)
- LAND USE #5 COMPOSITE SAMPLING (GARDEN AREAS)
- OPPORTUNISTIC COMPOSITE SAMPLING
- NON-SAMPLING AREAS

- ISM INCREMENT BOUNDARY
- ISM SAMPLING POLYGON BOUNDARY
- SAMPLING POLYGON BOUNDARY
- SAMPLING PERIMETER BOUNDARY

DISPLAYED AS:  
PROJECTION/ZONE: MSP  
DATUM: NAD 83  
UNITS: FEET  
SOURCE: PIONEER

**FIGURE 6**

**BUTTE FAMILY YMCA  
FIELD SAMPLING PLAN**

DATE: 3/22/2023





**LEGEND**

LAND USE #1 COMPOSITE SAMPLING (PLAYGROUND AREAS)

LAND USE #2 COMPOSITE SAMPLING (HIGHLY ACCESSIBLE AREAS/BARREN SPORTS FIELDS)

LAND USE #3 COMPOSITE SAMPLING (MAINTAINED GRASS AREAS)

LAND USE #3 ISM SAMPLING (MAINTAINED GRASS AREAS)

LAND USE #4 COMPOSITE SAMPLING (LOW ACCESS AREAS)

LAND USE #4 ISM SAMPLING (LOW ACCESS AREAS)

LAND USE #5 COMPOSITE SAMPLING (GARDEN AREAS)

OPPORTUNISTIC COMPOSITE SAMPLING

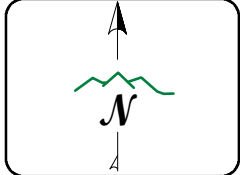
NON-SAMPLING AREAS

ISM INCREMENT BOUNDARY

ISM SAMPLING POLYGON BOUNDARY

SAMPLING POLYGON BOUNDARY

SAMPLING PERIMETER BOUNDARY



DISPLAYED AS:  
PROJECTION/ZONE: MSP  
DATUM: NAD 83  
UNITS: FEET  
SOURCE: PIONEER

0

25

50

100

Feet

FIGURE 7

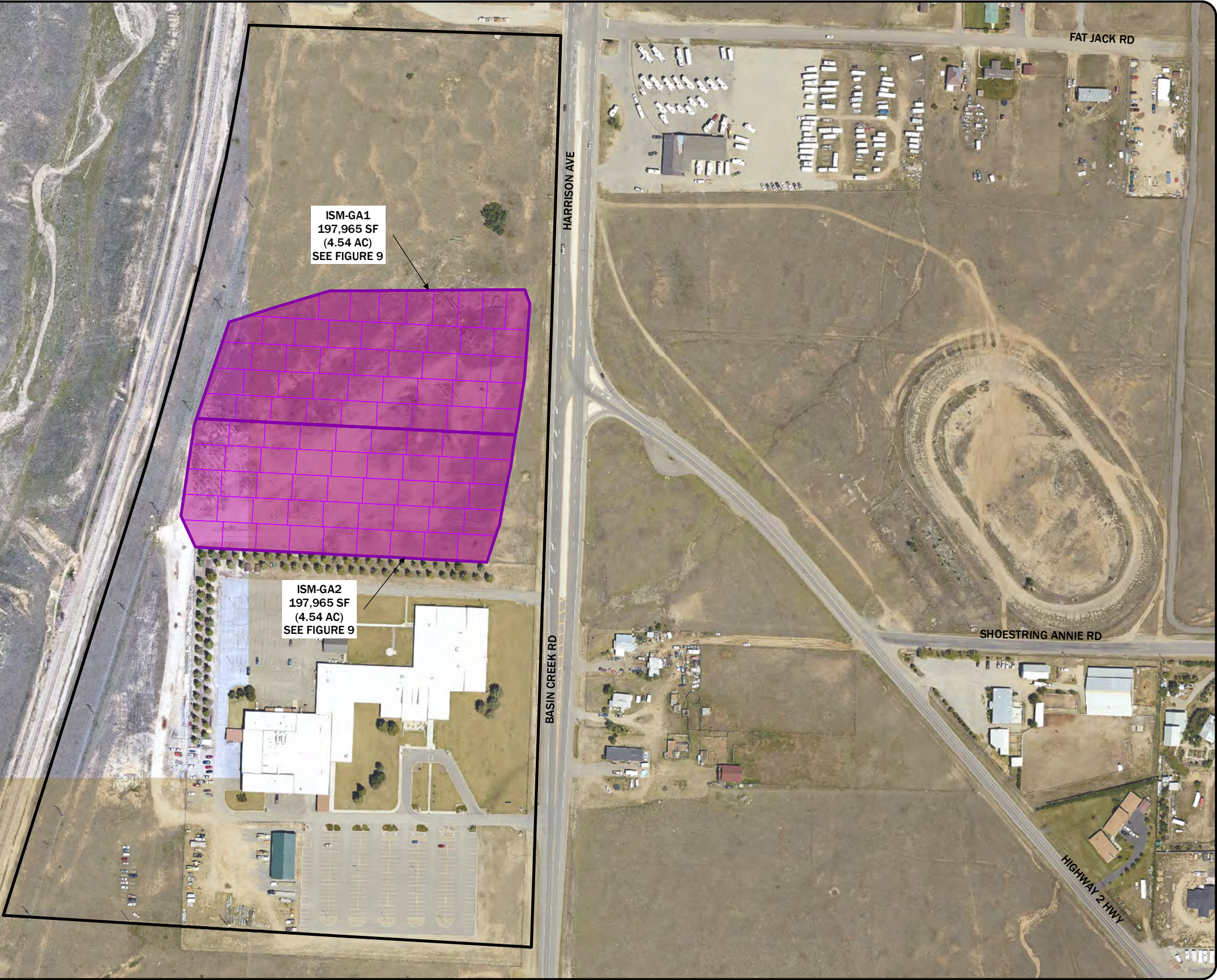
CHURCH OF CHRIST

FIELD SAMPLING PLAN

DATE: 5/22/2023



NOTES:  
1. THIS FIELD SAMPLING PLAN REPRESENTS PHASE 1 OF THE RMAP SCHOOLS SOIL INVESTIGATION. DATA WILL BE ANALYZED AND REVIEWED WITH THE AGENCIES TO DETERMINE IF FURTHER SAMPLING/INVESTIGATION IS NEEDED.



**LEGEND**

	LAND USE #1 COMPOSITE SAMPLING (PLAYGROUND AREAS)		LAND USE #3 ISM SAMPLING (MAINTAINED GRASS AREAS)		ISM INCREMENT BOUNDARY
	LAND USE #2 COMPOSITE SAMPLING (HIGHLY ACCESSIBLE AREAS/BARREN SPORTS FIELDS)		LAND USE #4 COMPOSITE SAMPLING (LOW ACCESS AREAS)		ISM SAMPLING POLYGON BOUNDARY
	LAND USE #3 COMPOSITE SAMPLING (MAINTAINED GRASS AREAS)		LAND USE #4 ISM SAMPLING (LOW ACCESS AREAS)		SAMPLING POLYGON BOUNDARY
			LAND USE #5 COMPOSITE SAMPLING (GARDEN AREAS)		SAMPLING PERIMETER BOUNDARY
			OPPORTUNISTIC COMPOSITE SAMPLING		
			NON-SAMPLING AREAS		

DISPLAYED AS: \_\_\_\_\_

PROJECTION/ZONE: MSP

DATUM: NAD 83

UNITS: FEET

SOURCE: PIONEER

**FIGURE 8**

**PIONEER**  
TECHNICAL SERVICES, INC.

**MONTANA TECH  
SOUTH CAMPUS  
FIELD SAMPLING PLAN  
(PHASE 1)**

DATE: 3/15/2023



NOTES:  
1. THIS FIELD SAMPLING PLAN REPRESENTS PHASE 1 OF THE RMAP SCHOOLS SOIL INVESTIGATION. DATA WILL BE ANALYZED AND REVIEWED WITH THE AGENCIES TO DETERMINE IF FURTHER SAMPLING/INVESTIGATION IS NEEDED.



**LEGEND**

<div></div> LAND USE #1 COMPOSITE SAMPLING (PLAYGROUND AREAS)	<div></div> LAND USE #3 ISM SAMPLING (MAINTAINED GRASS AREAS)	<div></div> ISM INCREMENT BOUNDARY
<div></div> LAND USE #2 COMPOSITE SAMPLING (HIGHLY ACCESSIBLE AREAS/BARREN SPORTS FIELDS)	<div></div> LAND USE #4 COMPOSITE SAMPLING (LOW ACCESS AREAS)	<div></div> ISM SAMPLING POLYGON BOUNDARY
<div></div> LAND USE #3 COMPOSITE SAMPLING (MAINTAINED GRASS AREAS)	<div></div> LAND USE #4 ISM SAMPLING (LOW ACCESS AREAS)	<div></div> SAMPLING POLYGON BOUNDARY
	<div></div> LAND USE #5 COMPOSITE SAMPLING (GARDEN AREAS)	<div></div> SAMPLING PERIMETER BOUNDARY
	<div></div> OPPORTUNISTIC COMPOSITE SAMPLING	
	<div></div> NON-SAMPLING AREAS	

DISPLAYED AS:  
PROJECTION/ZONE: MSP  
DATUM: NAD 83  
UNITS: FEET  
SOURCE: PIONEER

**FIGURE 9**

**MONTANA TECH  
SOUTH CAMPUS  
FIELD SAMPLING PLAN  
(PHASE 1)**

DATE: 3/15/2023



## **TABLES**

**Table 1. 2023 RMAP Park Soil Sampling Property List (FSP Submittal #9)**

**Table 2. 2023 RMAP Park Soil Sampling Quantity Summary (FSP Submittal #9)**

**TABLE 1: 2023 RMAP PARK SOIL SAMPLING PROPERTY LIST  
(FSP Submittal #9)**

Count	Res-ID	Geocode	Name	Owner
1	P-0055	01119712477340000	Centerville Skating Rink	BSB
2	P-0056	01119818211120000 01119818212250000 01119818212050000 01119818212300000 01119818217060000 01119818217200000 01119818217220000 01119818216150000	Belmont Senior Citizens Center	BSB Belmont Park
3	P-0057	01119833305050000	High Altitude Skating Rink	US High Altitude Speed Skating
4	P-0058	01119833204400000	Missoula Gulch Ballfield Play Area	BSB
5	P-0059	01119818387010000	MAC Facilities	Central Education Fund of Silver Bow
6	P-0060	01119725401010000	Butte Family YMCA	Butte Family YMCA Inc
7	S-0024	01119830226550000	Church of Christ	Church of Christ
8	S-0025	01109507101600000	MT Tech South Campus	BD of Regents of HIED St/Mont Tech

TABLE 2: 2023 RMAP PARK  
SOIL SAMPLING QUANTITY SUMMARY  
(FSP Submittal #9)

Figure #	Res-ID	School/Park	Owner	Total Area (SF)	Polygon ID	Type Sampling (Composite or ISM)	Polygon Areas (SF)	Non Sampling Areas (SF)	Land Use #1 Playgrounds (SF)	Land Use #2 High Access (SF)	Land Use #3 Grass Areas (SF)	Land Use #4 Low Access (SF)	Land Use #5 Gardens (SF)	Opportunistic Sample Areas (SF)	# of Subsample Locations/ Increments	# of Samples	0-2"	2-6"	6-12"	2-12" (ISM Only)	12-18"	18-24"	Notes
1	P-0055	Centerville Skating Rink	BSB	10,120	HA1	Composite	8,650			8,650					14	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					Non Sampling Areas	-	1,470	1,470							-	-	-	-	-	-	-	-	-
2	P-0056	Belmont Senior Citizens Center	BSB Belmont Park	186,338	GA1 (Replicate #1)	ISM	48,300				48,300				30	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA1 (Replicate #2)	ISM									30	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA1 (Replicate #3)	ISM									30	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA2	Composite	8,625			8,625					4	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					GA3	Composite	10,291			10,291					5	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					Non Sampling Areas	-	119,122	119,122							-	-	-	-	-	-	-	-	-
3	P-0057	High Altitude Skating Rink	US High Altitude Speed Skating	314,066	HA1	Composite	6,574			6,574					11	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA2	Composite	6,574			6,574					11	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA3	Composite	6,574			6,574					11	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA4	Composite	8,902			8,902					15	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA5	Composite	8,902			8,902					15	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA6	Composite	8,902			8,902					15	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA7	Composite	8,902			8,902					15	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA8	Composite	8,902			8,902					15	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA9	Composite	8,850			8,850					15	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA10	Composite	8,850			8,850					15	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA11	Composite	8,850			8,850					15	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA12	Composite	8,850			8,850					15	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA13	Composite	8,850			8,850					15	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					GA1 (Replicate #1)	ISM									37	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA1 (Replicate #2)	ISM	153,246				153,246				37	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA1 (Replicate #3)	ISM									37	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					Non Sampling Areas	-	52,338	52,338							-	-	-	-	-	As/Pb/Hg	-	-	-
4	P-0058	Missoula Gulch Ballfield Play Area	BSB	176,884	PA1	Composite	3,858		3,858						7	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA1	Composite	9,185			9,185					15	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA2	Composite	9,185			9,185					15	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA3	Composite	9,185			9,185					15	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA4	Composite	9,185			9,185					15	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA5	Composite	8,884			8,884					15	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA6	Composite	8,744			8,744					14	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					GA1	Composite	9,133			9,133					5	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					GA2	Composite	9,133			9,133					5	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					GA3	Composite	9,133			9,133					5	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					GA4	Composite	10,122			10,122					5	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					GA5	Composite	8,011			8,011					5	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					GA6	Composite	9,726			9,726					5	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					GA7	Composite	9,726			9,726					5	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					GA8	Composite	9,726			9,726					5	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					Non Sampling Areas	-	43,948	43,948							-	-	-	-	-	-	-	-	-
5	P-0059	MAC Facilities	Cental Education Fund of Silver Bow	455,166	GA1 (Replicate #1)	ISM					161,883				37	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA1 (Replicate #2)	ISM	161,883								37	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA1 (Replicate #3)	ISM									37	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA2 (Replicate #1)	ISM					67,470				30	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA2 (Replicate #2)	ISM	67,470								30	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA2 (Replicate #3)	ISM									30	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					Non Sampling Areas	-	225,813	225,813							-	-	-	-	-	-	-	-	-
6	P-0060	Butte Family YMCA	Butte Family YMCA Inc	231,976	PA1	Composite	4,878		4,878						8	2	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					PA2	Composite	4,878		4,878						8	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA1	Composite	8,701			8,701					14	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA2	Composite	8,701			8,701					14	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					GA1 (Replicate #1)	ISM					42,613				30	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA1 (Replicate #2)	ISM	42,613								30	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA1 (Replicate #3)	ISM									30	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA2 (Replicate #1)	ISM					35,787				30	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA2 (Replicate #2)	ISM	35,787								30	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA2 (Replicate #3)	ISM									30	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					Non Sampling Areas	-	126,418	126,418							-	-	-	-	-	-	-	-	-
7	S-0024	Church of Christ	Church of Christ	74,464	PA1	Composite	676		676						3	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA1	Composite	319			319					3	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA2	Composite	6,863			6,863					11	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA3	Composite	6,863			6,863					11	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					HA4	Composite	6,863			6,863					11	3	As/Pb/Hg	As/Pb/Hg	As/Pb/Hg	-	-	-	-
					GA1 (Replicate #1)	ISM					43,289				30	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA1 (Replicate #2)	ISM	43,289								30	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA1 (Replicate #3)	ISM									30	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					Non Sampling Areas	-	9,591	9,591							-	-	-	-	-	-	-	-	-
8	S-0025	Montana Tech South Campus	BD of Regents of HIED St/Mont Tech	395,930	GA1 (Replicate #1)	ISM					197,965				45	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA1 (Replicate #2)	ISM	197,965								45	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA1 (Replicate #3)	ISM									45	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA2 (Replicate #1)	ISM					197,965				45	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA2 (Replicate #2)	ISM	197,965								45	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					GA2 (Replicate #3)	ISM									45	2	As/Pb/Hg	-	-	As/Pb/Hg	-	-	-
					Non Sampling Areas	-	0	0							-	-	-	-	-	-	-	-	-
					Totals (SF):	-	1,844,944				1,844,944	578,700	14,290	209,810	1,042,144	23.92	0.00	0.00	0.00				
					Totals (AC):	-	42.35				42.35	13.29	0.33	4.82									

# **Attachment A**

**Final 2023 Residential Metals Abatement Program (RMAP)  
Quality Assurance Project Plan (QAPP) (Non-Residential Parcels)**

The Agencies are currently reviewing the Draft Final 2023 RMAP QAPP (Non-Residential Parcels) dated X-XX-23. The final approved version of the QAPP will be inserted into this FSP once both documents have obtained Agency approval.