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Draft Final 2022 Residential Metals Abatement Program (RMAP) Park Soil Sampling Field Sampling Plan (FSP) Submittal #6 [Covering Stodden Park, Baptist Student Union, Minor Park, Blacktail Lane, Earth Lane, Fleecer Drive, Boulevard (Josette), Boulevard (Lasalle), and Sesame- Sage]

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June 14, 2022

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RE: Draft Final RMAP Park Soil Sampling Field Sampling Plan (FSP) Submittal #6 [Covering Stodden Park, Baptist Student Union (former McKinley School), Minor Park, Blacktail Lane, Earth Lane, Fleecer Drive, Boulevard (Josette), Boulevard (Lasalle), and Sesame-Sage (Golden Estates #3)]

Agency Representatives:

I am writing to you on behalf of Atlantic Richfield Company to submit the Draft Final Residential Metals Abatement Program (RMAP) Park Soil Sampling Field Sampling Plan Submittal #6, which addresses soil sampling at Stodden Park, Baptist Student Union (former McKinley School), Minor Park, Blacktail Lane, Earth Lane, Fleecer Drive, Boulevard (Josette), Boulevard (Lasalle), and Sesame-Sage (Golden Estates #3) under the RMAP program. The report, tables, and figures may be downloaded at the following link:

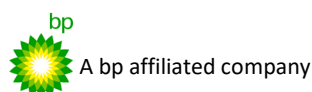
<https://pioneertechnicalservices.sharepoint.com/:f/s/submitted/EhKkygFETv1Jiw1MFTm3sk0BrOqF2GHP4FzlnHlsIG7tw>.

If you have any questions or comments, please call me at (907) 355-3914.

Sincerely,



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Remediation Management Services Company
An affiliate of **Atlantic Richfield Company**



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Carolina Balliew / DEQ - email
Matthew Dorrington / DEQ – email
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Meranda Flugge / NRDP - email
Ted Duaine / MBMG - email
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Becky Summerville / MR - email
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Robert Lowry / BNSF - email
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Craig Deeney / TREC - email
Scott Bradshaw / TREC - email
Brad Archibald / Pioneer - email
Pat Sampson / Pioneer - email
Joe McElroy / Pioneer – email
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Karen Helfrich / Pioneer - email
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Randa Colling / Pioneer – email
Ian Magruder/ CTEC- email
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Scott Juskiewicz / Montana Tech – email

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

Draft Final

*2022 Residential Metals Abatement Program (RMAP)
Park Soil Sampling Field Sampling Plan (FSP)
Submittal #6*

*[Covering Stodden Park, Baptist Student Union, Minor
Park, Blacktail Lane, Earth Lane, Fleecer Drive,
Boulevard (Josette), Boulevard (Lasalle), and Sesame-
Sage]*

Butte-Silver Bow County

and

Atlantic Richfield Company

June 14, 2022

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

Draft Final

***2022 Residential Metals Abatement Program (RMAP)
Park Soil Sampling Field Sampling Plan (FSP)
Submittal #6***

***[Covering Stodden Park, Baptist Student Union, Minor
Park, Blacktail Lane, Earth Lane, Fleecer Drive,
Boulevard (Josette), Boulevard (Lasalle), and Sesame-
Sage]***

Prepared for:

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June 14, 2022

TABLE OF CONTENTS

	<u>Page</u>
LIST OF FIGURES	iv
LIST OF TABLES	iv
LIST OF ATTACHMENTS	iv
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 Stodden Park.....	2
4.2.2 Baptist Student Union (former McKinley School).....	3
4.2.3 Minor Park	3
4.2.4 Blacktail Lane	4
4.2.5 Earth Lane.....	4
4.2.6 Fleecer Drive.....	5
4.2.7 Boulevard (Josette)	5
4.2.8 Boulevard (Lasalle).....	5
4.2.9 Sesame-Sage (Golden West Estates #3)	6
4.3 Deviations	6
5.0 LABORATORY METHODS.....	7
5.1 Soil Metals Analyses Methods.....	7
6.0 QUALITY CONTROL.....	7
6.1 Field Quality Control Samples.....	7
7.0 REFERENCES	8

LIST OF FIGURES

- Figure 1 Stodden Park Field Sampling Plan
- Figure 2 Baptist Student Union (former McKinley School) Field Sampling Plan
- Figure 3 Minor Park Field Sampling Plan
- Figure 4 Blacktail Lane Field Sampling Plan
- Figure 5 Earth Lane Field Sampling Plan
- Figure 6 Fleecer Drive Field Sampling Plan
- Figure 7 Boulevard (Josette) Field Sampling Plan
- Figure 8 Boulevard (Lasalle) Field Sampling Plan
- Figure 9 Sesame-Sage (Golden West Estates #3) Field Sampling Plan

LIST OF TABLES

- Table 1 2022 RMAP Park Soil Sampling Property List (FSP Submittal #6)
- Table 2 2022 RMAP Park Soil Sampling Quantity Summary (FSP Submittal #6)

LIST OF ATTACHMENTS

Attachment A Final 2022 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	06/14/22

1.0 INTRODUCTION

This Field Sampling Plan (FSP) was developed to outline a portion of the 2022 Residential Metals Abatement Program (RMAP) park/play area soil sampling plan for Butte, Montana, area parks. 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 according to the *Final Residential Metals Abatement Program (RMAP) Quality Assurance Project Plan (QAPP) (Non-Residential Parcels)* (Butte-Silver Bow County and Atlantic Richfield Company, 2022) (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:

- Stodden Park.
- Baptist Student Union (former McKinley School).
- Minor Park.
- Blacktail Lane.
- Earth Lane.
- Fleecer Drive.
- Boulevard (Josette).
- Boulevard (Lasalle).
- Sesame-Sage (Golden West Estates #3).

The attached figure set (Figure 1 through Figure 9) depicts the areas to be sampled and shows the individual sampling polygons and associated areas. Table 1 lists the park properties (along with Resident ID's, 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 2022. The appropriate utility locating service (i.e., One Call Utility Locate Services) will be contacted and informed of sampling activities 48 hours prior to commencing soil sampling activities.

4.0 FIELD SAMPLING PLAN

4.1 Soil Sampling Procedures

Soil sampling procedures will be completed as stated in Section 3.2 (for composite sampling) and Section 3.3 (for incremental sampling) of the QAPP (Attachment A).

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 3.2.1 (for composite sampling) and Section 3.3.1 (for incremental sampling) of the QAPP (Attachment A).

4.1.2 Soil Sampling Depths

Sampling depths will be selected as stated in Section 3.2.2 (for composite sampling) and Section 3.3.2 (for incremental sampling) of the QAPP (Attachment A).

4.1.3 Equipment Decontamination

Reusable sampling equipment will be decontaminated as described in Section 3.2.4 (for composite sampling) and Section 3.3.4 (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 representatives as well as 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 Stodden Park

- Land Use Category #1 (playgrounds) – Stodden Park has 9 playground areas. They will be sampled separately per the composite sampling methodology detailed in Section 3.2 of the QAPP (Attachment A).
- Land Use Category #2 (high access areas/barren sports areas) – Stodden Park contains three baseball fields. All of the baseball infields are aggregate covered. Due to these aggregate covers as well as their current land use, all of these areas have been designated high access areas.

Additionally, Stodden Park has multiple landscaping islands/areas spread through the park's walking paths, parking lots, and around certain buildings. Based on their cover materials and current land use, all of these areas have been designated high access areas as well.

Based on the area of each location, these high access areas will be sampled as twelve separate high access sampling polygons per the composite sampling methodology detailed in Section 3.2 of the QAPP (Attachment A).

- Land Use Category #3 (grass areas/turf covered sports fields) – Large portions of Stodden Park consist of established/maintained lawn areas. Due to their consistent land use and well-

maintained nature, these areas have been designated as grass sampling areas that will be sampled per the Incremental Sampling Methodology (ISM) logic detailed in Section 3.3 of the QAPP (Attachment A). Based on their total area, these grass sampling areas will be broken down into four separate ISM decision 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.

4.2.2 Baptist Student Union (former McKinley School)

- Land Use Category #1 (playgrounds) – This land use category is not applicable at this park.
- Land Use Category #2 (high access areas/barren sports areas) – There is a former playground area on the northwest corner of the Baptist Student Union building. Based on its former land use, it has been designated a high access area. Based on its area, it will be sampled as one high access sampling polygon per the composite sampling methodology detailed in Section 3.2 of the QAPP (Attachment A).
- Land Use Category #3 (grass areas/turf covered sports fields) – There are three small boulevard areas along North Henry Avenue as well as a small area east of the Baptist Student Union building with established/maintained lawn areas. Due to their consistent land use and well-maintained nature, these areas have been designated as a grass sampling area. Because the total area is less than ¼ acre (10,890 square feet), it will be sampled per the composite 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 park.
- Land Use Category #5 (garden areas) – There are two small garden areas on the southwest corner of the Baptist Student Union building. They will be sampled per the composite sampling methodology detailed in Section 3.2 of the QAPP (Attachment A).

4.2.3 Minor Park

- Land Use Category #1 (playgrounds) – Minor Park has one playground area. It will be sampled per the composite sampling methodology detailed in Section 3.2 of the QAPP (Attachment A).
- Land Use Category #2 (high access areas/barren sports areas) – This land use category is not applicable at this park.
- Land Use Category #3 (grass areas/turf covered sports fields) – The entire Minor Park site (minus the playground area) consists of established/maintained lawn areas. Due to their consistent land use and well-maintained nature, these areas have been designated as grass

sampling areas that will be sampled per the ISM logic detailed in Section 3.3 of the QAPP (Attachment A). Based on their total area, these grass sampling areas will be characterized by one ISM decision unit.

- 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.

4.2.4 Blacktail Lane

- Land Use Category #1 (playgrounds) – This land use category is not applicable at this park.
- Land Use Category #2 (high access areas/barren sports areas) – This land use category is not applicable at this park.
- Land Use Category #3 (grass areas/turf covered sports fields) – The entire Blacktail Lane site consists of established/maintained lawn areas. Due to their consistent land use and well-maintained nature, these areas have been designated as grass sampling areas that will be sampled per the ISM logic detailed in Section 3.3 of the QAPP (Attachment A). Based on their total area, these grass sampling areas will be characterized by one ISM decision unit.
- 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.

4.2.5 Earth Lane

- Land Use Category #1 (playgrounds) – This land use category is not applicable at this park.
- Land Use Category #2 (high access areas/barren sports areas) – This land use category is not applicable at this park.
- Land Use Category #3 (grass areas/turf covered sports fields) – The entire Earth Lane site consists of established/maintained lawn areas. Due to their consistent land use and well-maintained nature, these areas have been designated as grass sampling areas that will be sampled per the ISM logic detailed in Section 3.3 of the QAPP (Attachment A). Based on their total area, these grass sampling areas will be characterized by one ISM decision unit.
- 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.

4.2.6 Fleecer Drive

- Land Use Category #1 (playgrounds) – Fleecer Drive has two playground areas. They will be sampled separately per the composite sampling methodology detailed in Section 3.2 of the QAPP (Attachment A).
- Land Use Category #2 (high access areas/barren sports areas) – This land use category is not applicable at this park.
- Land Use Category #3 (grass areas/turf covered sports fields) – The entire Fleecer Drive site (minus the playground areas) consists of established/maintained lawn areas. Due to their consistent land use and well-maintained nature, these areas have been designated as grass sampling areas that will be sampled per the ISM logic detailed in Section 3.3 of the QAPP (Attachment A). Based on their total area, these grass sampling areas will be characterized by one ISM decision unit.
- 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 Boulevard (Josette)

- Land Use Category #1 (playgrounds) – This land use category is not applicable at this park.
- Land Use Category #2 (high access areas/barren sports areas) – This land use category is not applicable at this park.
- Land Use Category #3 (grass areas/turf covered sports fields) – The entire Boulevard (Josette) site consists of established/maintained lawn areas. Due to their consistent land use and well-maintained nature, these areas have been designated as grass sampling areas that will be sampled per the ISM logic detailed in Section 3.3 of the QAPP (Attachment A). Based on their total area, these grass sampling areas will be characterized by one ISM decision unit.
- 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.

4.2.8 Boulevard (Lasalle)

- Land Use Category #1 (playgrounds) – This land use category is not applicable at this park.
- Land Use Category #2 (high access areas/barren sports areas) – This land use category is not applicable at this park.

- Land Use Category #3 (grass areas/turf covered sports fields) – The entire Boulevard (Lasalle) site consists of established/maintained lawn areas. Due to their consistent land use and well-maintained nature, these areas have been designated as grass sampling areas that will be sampled per the ISM logic detailed in Section 3.3 of the QAPP (Attachment A). Based on their total area, these grass sampling areas will be characterized by one ISM decision unit.
- 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.

4.2.9 Sesame-Sage (Golden West Estates #3)

- Land Use Category #1 (playgrounds) – This land use category is not applicable at this park.
- Land Use Category #2 (high access areas/barren sports areas) – There is an area in the central portion of the Sesame-Sage site that is flooded in the winter season for use as a skating rink. Due to its differing land use, this area has been designated a high access area. Based on its area, it will be sampled as two separate high access sampling polygons per the composite sampling methodology detailed in Section 3.2 of the QAPP (Attachment A).
- Land Use Category #3 (grass areas/turf covered sports fields) – The entire Sesame-Sage site (minus the skating rink area) consists of established/maintained lawn areas. Due to their consistent land use and well-maintained nature, these areas have been designated as grass sampling areas that will be sampled per the ISM logic detailed in Section 3.3 of the QAPP (Attachment A). Based on their total area, these grass sampling areas will be characterized by one ISM decision unit.
- 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.

4.3 Deviations

This section addresses any deviations to the Agencies-approved QAPP (Attachment A) pertaining to 2022 Butte Priority Soils Operable Unit RMAP park soil sampling in or near Butte. Deviations include the following:

- No known deviations at this time.
- Any future deviations will be discussed with the Agencies' field representative, documented in the field, and addressed through forthcoming Data Summary Reports.

5.0 LABORATORY METHODS

5.1 Soil Metals Analyses Methods

Soil metals analyses will be conducted as stated in Section 3.6 of the QAPP (Attachment A).

6.0 QUALITY CONTROL

6.1 Field Quality Control Samples

Field QC will be conducted as stated in Sections 3.7 and 3.7.1 of the QAPP (Attachment A).

7.0 REFERENCES

Butte-Silver Bow County and Atlantic Richfield Company, 2022. Silver Bow Creek/Butte Area NPL Site Butte Priority Soils Operable Unit. Final Residential Metals Abatement Program (RMAP) Quality Assurance Project Plan (QAPP). May 2022.

FIGURES



LEGEND	
■ LAND USE #1 COMPOSITE SAMPLING (PLAYGROUND AREAS)	■ LAND USE #3 ISM SAMPLING (MAINTAINED GRASS AREAS)
■ LAND USE #2 COMPOSITE SAMPLING (HIGHLY ACCESSIBLE AREAS/BARREN SPORTS FIELDS)	■ LAND USE #4 COMPOSITE SAMPLING (LOW ACCESS AREAS)
■ LAND USE #3 COMPOSITE SAMPLING (MAINTAINED GRASS 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

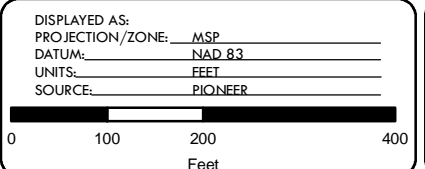
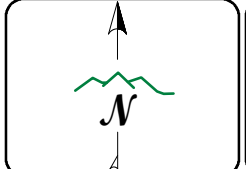


FIGURE 1

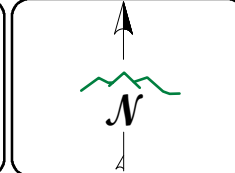
TECHNICAL SERVICES, INC.

STODDEN PARK
FIELD SAMPLING PLAN

DATE: 6/8/2022



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



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FIGURE 1A



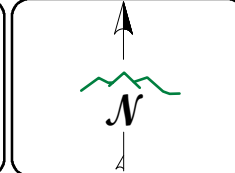
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TECHNICAL SERVICES, INC.

STODDEN PARK
FIELD SAMPLING PLAN
(ISM-GA1)

DATE: 6/8/2022



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 #4 COMPOSITE 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



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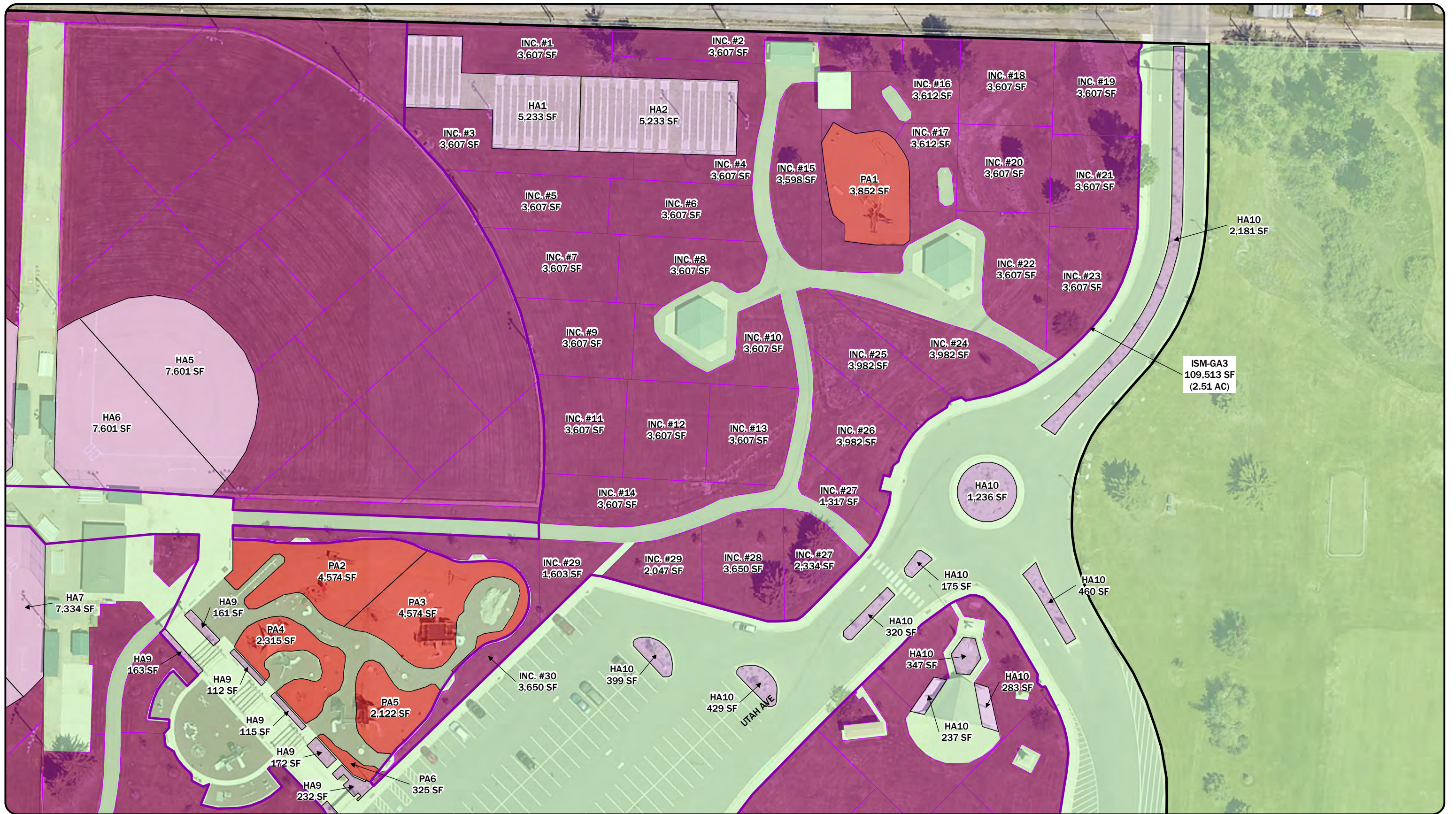
TECHNICAL SERVICES, INC.

STODDEN PARK

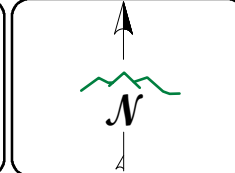
FIELD SAMPLING PLAN

(ISM-GA2)

DATE: 6/8/2022



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



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FIGURE 1C

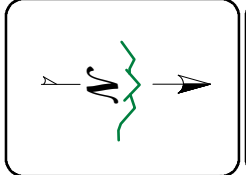
TECHNICAL SERVICES, INC.

STODDEN PARK
FIELD SAMPLING PLAN
(ISM-GA3)

DATE: 6/8/2022



LEGEND	
■	LAND USE #1 COMPOSITE SAMPLING (PLAYGROUND AREAS)
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■	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 1D



TECHNICAL SERVICES, INC.

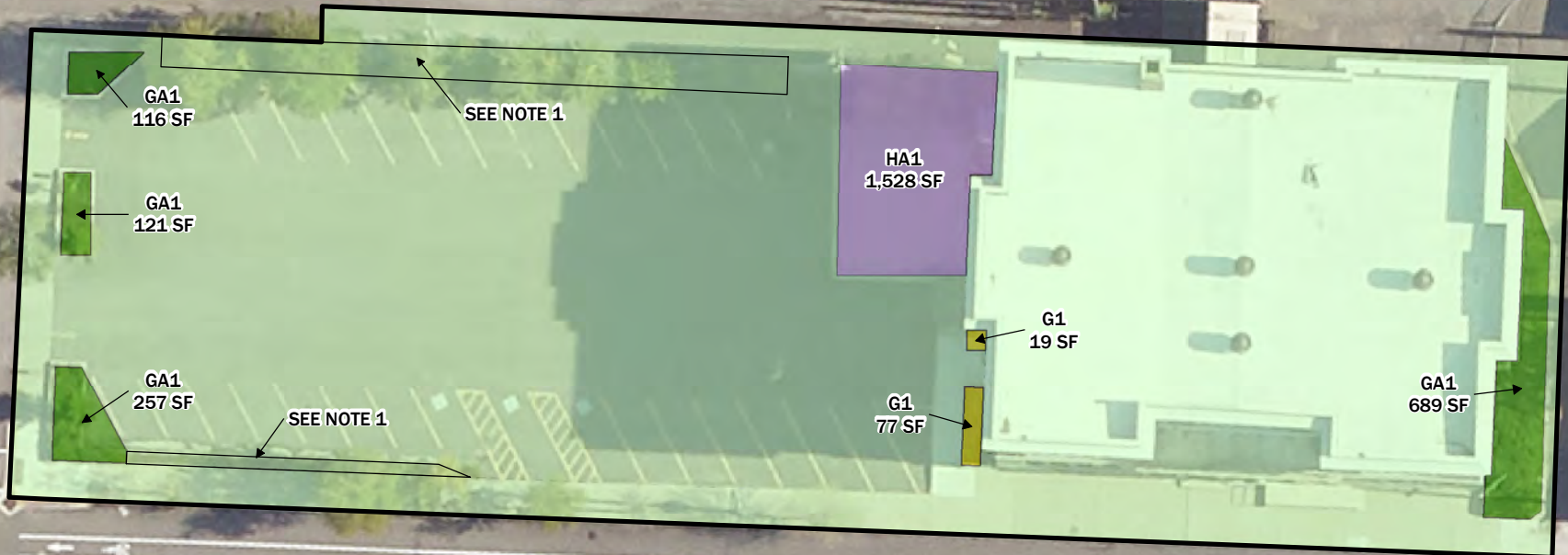
STODDEN PARK

FIELD SAMPLING PLAN

(ISM-GA4)

DATE: 6/8/2022

NOTES:
 1. AREA NOT ELIGIBLE FOR SAMPLING DUE TO DENSE SHRUB/TREE COVER AND LIMITED ACCESS.



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

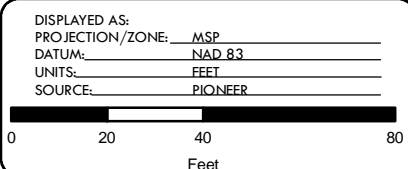
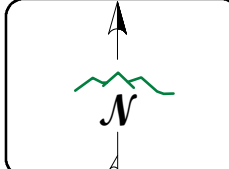


FIGURE 2
BAPTIST STUDENT UNION (MCKINLEY SCHOOL) FIELD SAMPLING PLAN
 DATE: 5/12/2022



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

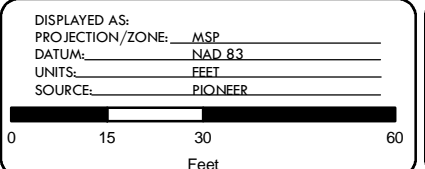
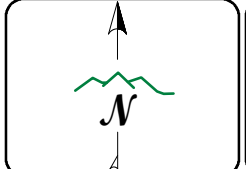


FIGURE 3















TECHNICAL SERVICES, INC.

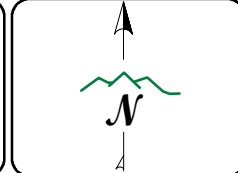
MINOR PARK
FIELD SAMPLING PLAN

DATE: 5/12/2022



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) |  OPPORTUNISTIC COMPOSITE SAMPLING |  SAMPLING PERIMETER BOUNDARY |
|  LAND USE #3 COMPOSITE SAMPLING (MAINTAINED GRASS AREAS) |  NON-SAMPLING AREAS | |



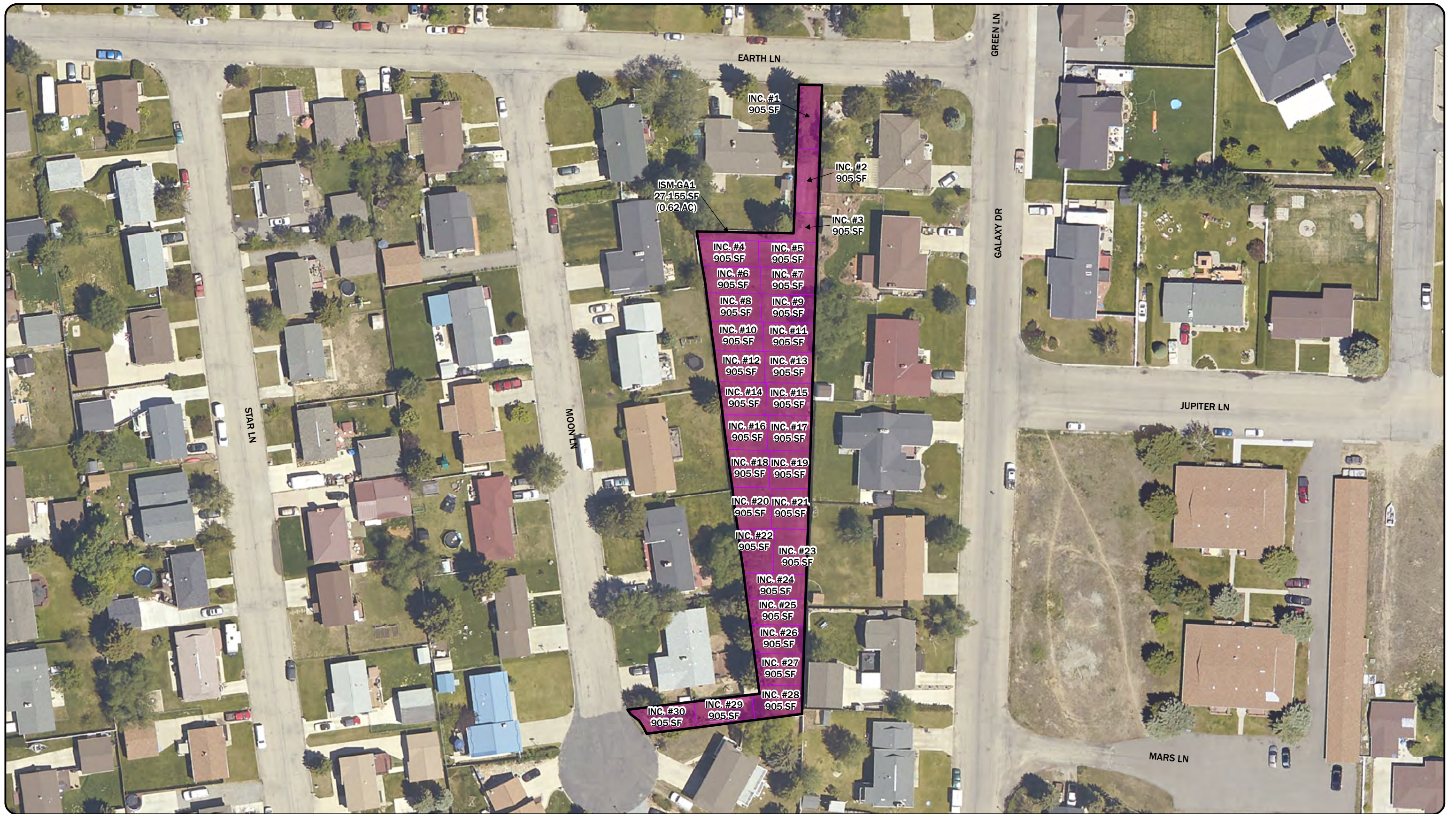
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 DATUM: NAD 83
 UNITS: FEET
 SOURCE: PIONEER

FIGURE 4



BLACKTAIL LANE
FIELD SAMPLING PLAN

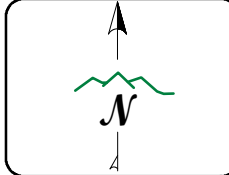
DATE: 5/25/2022



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

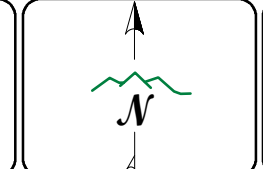
FIGURE 5

EARTH LANE
FIELD SAMPLING PLAN

DATE: 5/12/2022



LEGEND			
	LAND USE #1 COMPOSITE SAMPLING (PLAYGROUND AREAS)		LAND USE #3 ISM SAMPLING (MAINTAINED GRASS AREAS)
	LAND USE #2 COMPOSITE SAMPLING (HIGHLY ACCESSIBLE AREAS/BARREN SPORTS FIELDS)		LAND USE #4 COMPOSITE SAMPLING (LOW ACCESS AREAS)
	LAND USE #3 COMPOSITE SAMPLING (MAINTAINED GRASS 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:	MSP
PROJECTION/ZONE:	
DATUM:	NAD 83
UNITS:	FEET
SOURCE:	PIONEER

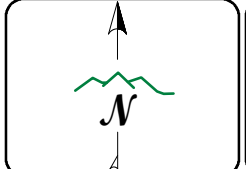
FIGURE 6

FLEECER DRIVE FIELD SAMPLING PLAN

DATE: 5/12/2022



LEGEND	
■ LAND USE #1 COMPOSITE SAMPLING (PLAYGROUND AREAS)	■ LAND USE #3 ISM SAMPLING (MAINTAINED GRASS AREAS)
■ LAND USE #2 COMPOSITE SAMPLING (HIGHLY ACCESSIBLE AREAS/BARREN SPORTS FIELDS)	■ LAND USE #4 COMPOSITE SAMPLING (LOW ACCESS AREAS)
■ LAND USE #3 COMPOSITE SAMPLING (MAINTAINED GRASS 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



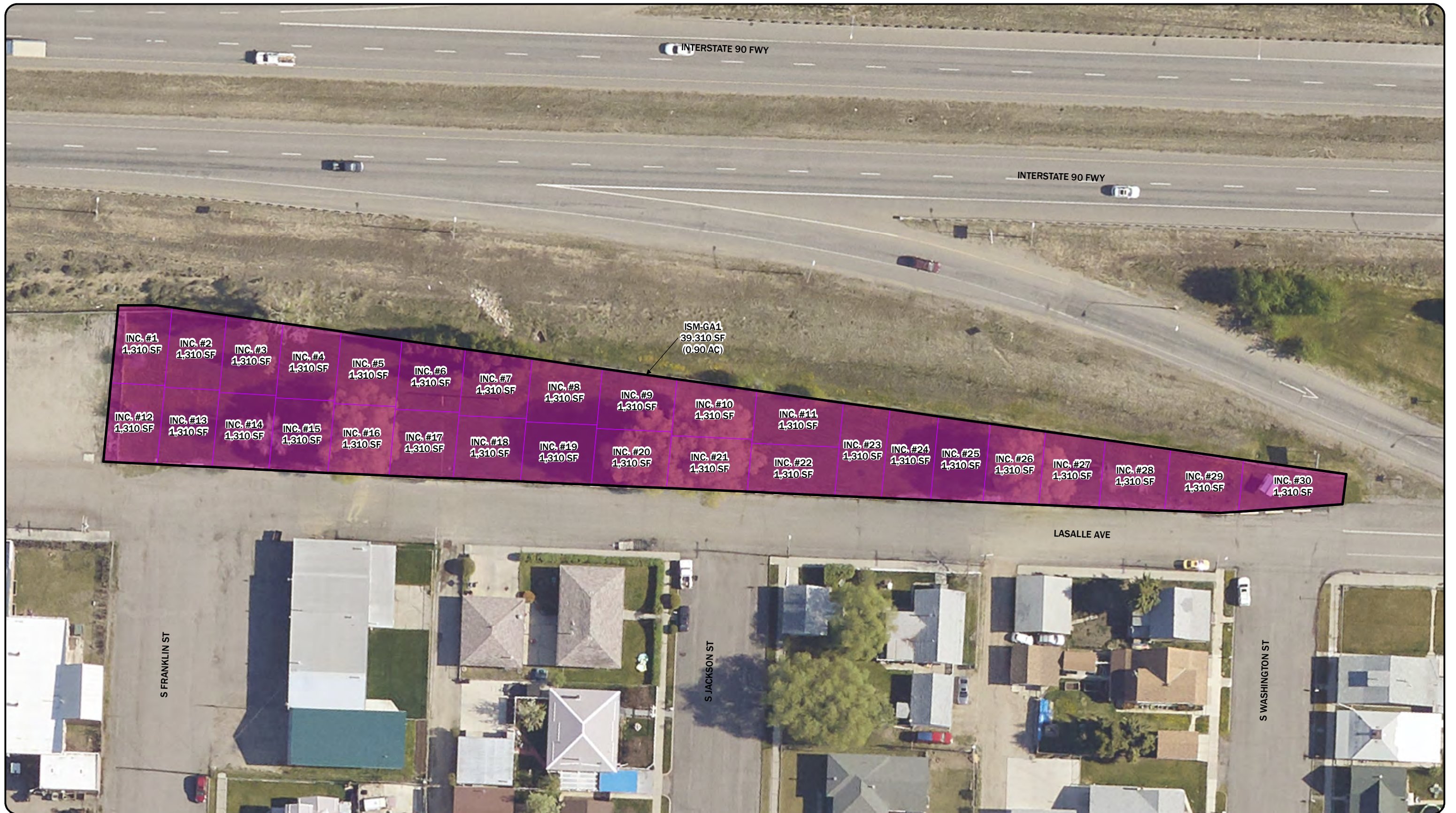
DISPLAYED AS: _____
 PROJECTION/ZONE: MSP
 DATUM: NAD 83
 UNITS: FEET
 SOURCE: PIONEER
 0 30 60 120
 Feet

FIGURE 7

PIONEER
TECHNICAL SERVICES, INC.

**BOULEVARD (JOSETTE)
FIELD SAMPLING PLAN**

DATE: 5/31/2022



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

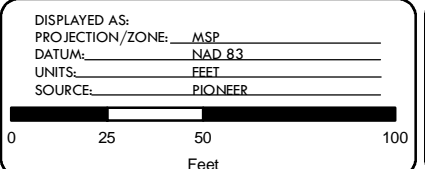
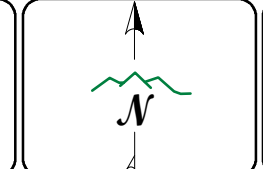
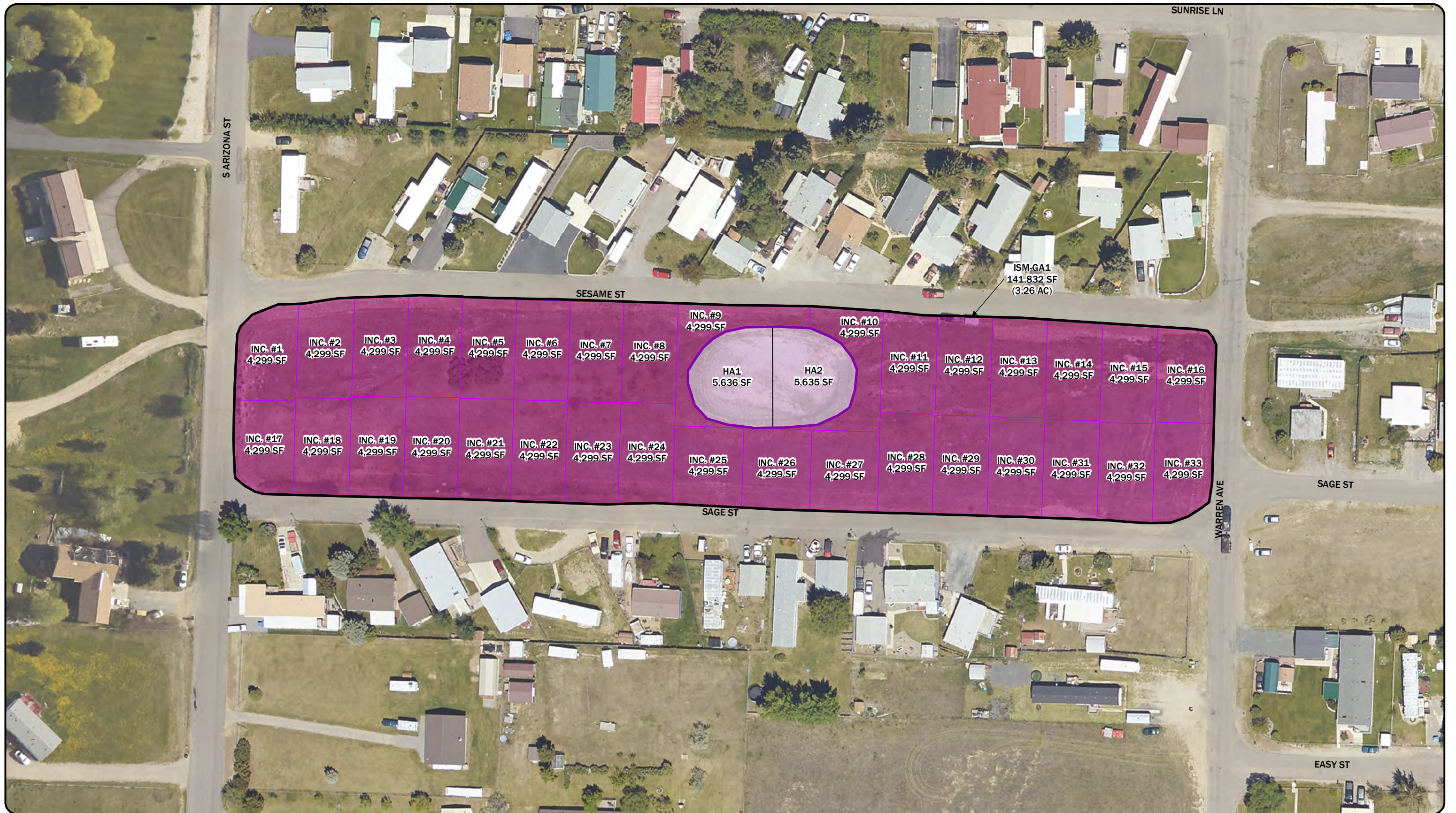


FIGURE 8

PIONEER
TECHNICAL SERVICES, INC.

**BOULEVARD (LASALLE)
FIELD SAMPLING PLAN**

DATE: 5/12/2022



LEGEND

- | | | |
|---|---|---|
| ■ LAND USE #1 COMPOSITE SAMPLING (PLAYGROUND AREAS) | ■ LAND USE #4 COMPOSITE SAMPLING (LOW ACCESS AREAS) | ISM INCREMENT BOUNDARY |
| ■ LAND USE #2 COMPOSITE SAMPLING (HIGHLY ACCESSIBLE AREAS/BARREN SPORTS FIELDS) | ■ LAND USE #4 ISM 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 | SAMPLING PERIMETER BOUNDARY |
| | ■ NON-SAMPLING AREAS | |

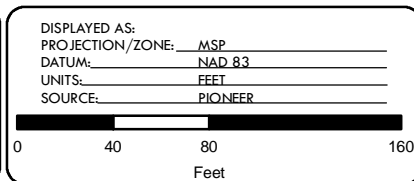
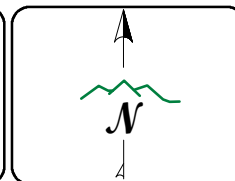


FIGURE 9

PIONEER
TECHNICAL SERVICES, INC.

**SESAME-SAGE
GOLDEN WEST ESTATES #3
FIELD SAMPLING PLAN**

DATE: 6/6/2022

TABLES

**TABLE 1: 2022 RMAP PARK SOIL SAMPLING PROPERTY LIST
(FSP Submittal #6)**

Count	Res-ID	Geocode	Name	Owner
1	P-0031	01119830303010000	Stodden Park	BSB
2	P-0032	01119714112010000	Baptist Student Union (former McKinley School)	Park Street Baptist Church
3	P-0035	01119723402010000	Minor Park	ARCO
4	P-0037	01119833315456500	Blacktail Lane	BSB
5	P-0038	01119832410130000	Earth Lane	BSB
6	P-0039	01119833320206500	Fleecer Drive	BSB
7	P-0040	01119724302432000 01119724302600000 01119724302640000 01119724302840000 01119724304250000	Boulevard (Josette)	Silver Bow Fire Training Center Inc Burlington Northern
8	P-0041	Geocode non retrievable. Park of Interstate ROW parcel but is maintained by BSB as a Park.	Boulevard (Lasalle)	BSB
9	P-0042	01109506206016500	Sesame-Sage (Golden West Estates #3)	BSB

ATTACHMENT A
FINAL 2022 RMAP QAPP
(NON-RESIDENTIAL PARCELS)

The Agencies are currently reviewing the Draft Final 2022 RMAP QAPP (Non-Residential Parcels) dated 6-13-22. The final approved version of the QAPP will be inserted into this FSP once both documents have obtained Agency approval.