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December 14, 2020

Stantec Consulting Services Inc. Attn: M. Kearns, PWS 1500 Lake Shore Drive, Suite 100 Columbus, OH 43204

Re: Addendum Archaeological Investigations for North Columbus Loop Pipeline Project in Delaware and Union Counties, Ohio

Weller & Associates, Inc. (Weller) has completed additional/addendum archaeological investigations for the North Columbus Loop Pipeline Project in Delaware and Union Counties, Ohio (Figures 1-5). The original cultural resource investigations were completed in August (Weller 2020). The project is for a gas line easement and the addendum work is to account for planned activity/work areas that extended outside of the previously investigated areas. This can include corridor alignment changes, reroutes, and laydown/work areas. These investigations focused on areas where the project changes involved areas that were greater than 7.5 m from the previously investigated locations. The project plan changes are not considered to be substantial and the previously conducted architectural review would have sufficiently addressed the newly added areas. These investigations did not result in the identification of any archaeological deposits.

Archaeological Field Investigations

There were four areas that were investigated as part of this most recent work (Figures 6-11). The work was completed on two separate mobilizations. The fieldwork was conducted on October 26 and December 2, 2020. This work included surface collection, shovel testing, and visual inspection. Collectively, there were 130 shovel test units excavated, where dense foliage and visibility was inhibited.

The first area is a small corridor reroute/shift that is just south and east of State Route (SR) 42. The pipeline corridor in this area was shifted to the west about 15-18 m (50-60 ft). The investigations in this area involved visual inspection and surface collection. The northern and central part of this area was found to be disturbed and/or wet. Surface collection was conducted in a soybean stubble field that offered about 60 percent bare ground surface visibility. There were no sites identified in this area.

Another area that was subject to these investigations is located to the south and east of SR 42 and is about 305 m (1,000 ft) southwest of Jerome Road (Figures 7 and 14). There is an

expanded work area that is in the immediate vicinity of a farmstead. The fieldwork in this area involved visual inspection and shovel testing. More than half of this particular area was found to be disturbed by historic period construction and grading for outbuildings. The southern part of the area was shovel tested. There were no archaeological deposits identified in this area.

The third area is a relatively larger pipeline corridor reroute that is 1,786 m (5,861ft) long and was 60.1 m (200 ft) wide (Figures 8, 9, and 15-19). This is located on the west side of SR 42 and has a northern terminus that is at the intersection of this highway and Harriott Road. The southern terminus approaches a ditch and previously investigated corridor that is about halfway between Bell Road and SR 42. The field investigations conducted in this area involved surface collection, shovel testing, and visual inspection. Surface collection was conducted in a mature cornfield that had about 90 percent bare ground surface visibility and in part of a soybean stubble field that had 80 percent visibility. The shovel testing was conducted in part of an agricultural field that lacked suitable surface collection conditions and within two residential yards. There were no archaeological deposits identified in this area.

The fourth area is for a smaller pipeline reroute that is about 421 m (1,381 ft) long and 60.1 m (200 ft) wide (Figures 10, 11, and 20). This is located in the Glacier Ridge Metropark area and part of it was the subject of previous investigations (Weller 2020; Brown 2001). There was one archaeological site, 33UN0229, that was previously identified in this area. This is a prehistoric period lithic scatter (n=4 artifacts) and was not re-identified during these investigations; it was not considered to be a significant resource (Brown 2001; Appendix A). At the time of survey, this area was fallow and require shovel test unit excavations along with visual inspection. There were no archaeological deposits identified in this area.

The fifth area is a small, fenced and graveled, gas apparatus equipment yard (Figures 11 and 21). This area was inaccessible and completely disturbed. It is approximately 30.4m (100 ft) by 30.4 m (100 ft) and just north of McKitrick Rd.

Summary

Weller conducted additional archaeological investigations for several areas that extended outside of the previously investigated locations. These investigations involved visual inspection, shovel testing, and surface collection. The fieldwork did not result in the identification of any archaeological sites; no significant architectural resources are involved in this project. It is Weller's recommendations that no further cultural resource management work is necessary for this component of the project.

Thank you,

Ryan J. Weller, MA. Weller & Associates, Inc. 1395 West Fifth Avenue Columbus, OH 43212

References

Brown, J.

2001 Phase I Cultural Resources Management Investigations for the Approximately 3.26 km (2.25 mi.) Glacier Ridge Metro Park Multi-Purpose Trail in Jerome Township, Union County, Ohio. EMH&T, Inc. Copy available for review from Ohio History Connection

Weller, R. J.

2020 Phase I Archaeological Investigations for the Approximately 26.7 km (16.59 mi) Preferred Route of the Northern Columbus Loop Pipeline Project (Phase VII) in Liberty/Concord Townships, Delaware County, and Mill Creek/Jerome Townships, Union County, Ohio. Weller & Associates, Inc. Copy available for review from Ohio History Connection.

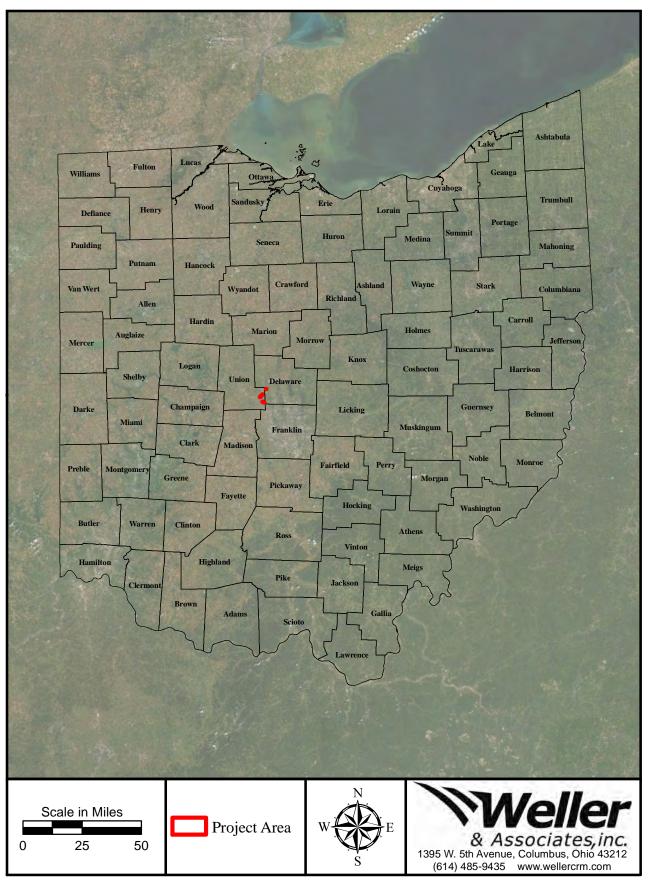


Figure 1. Political map of Ohio showing the approximate location of the project.

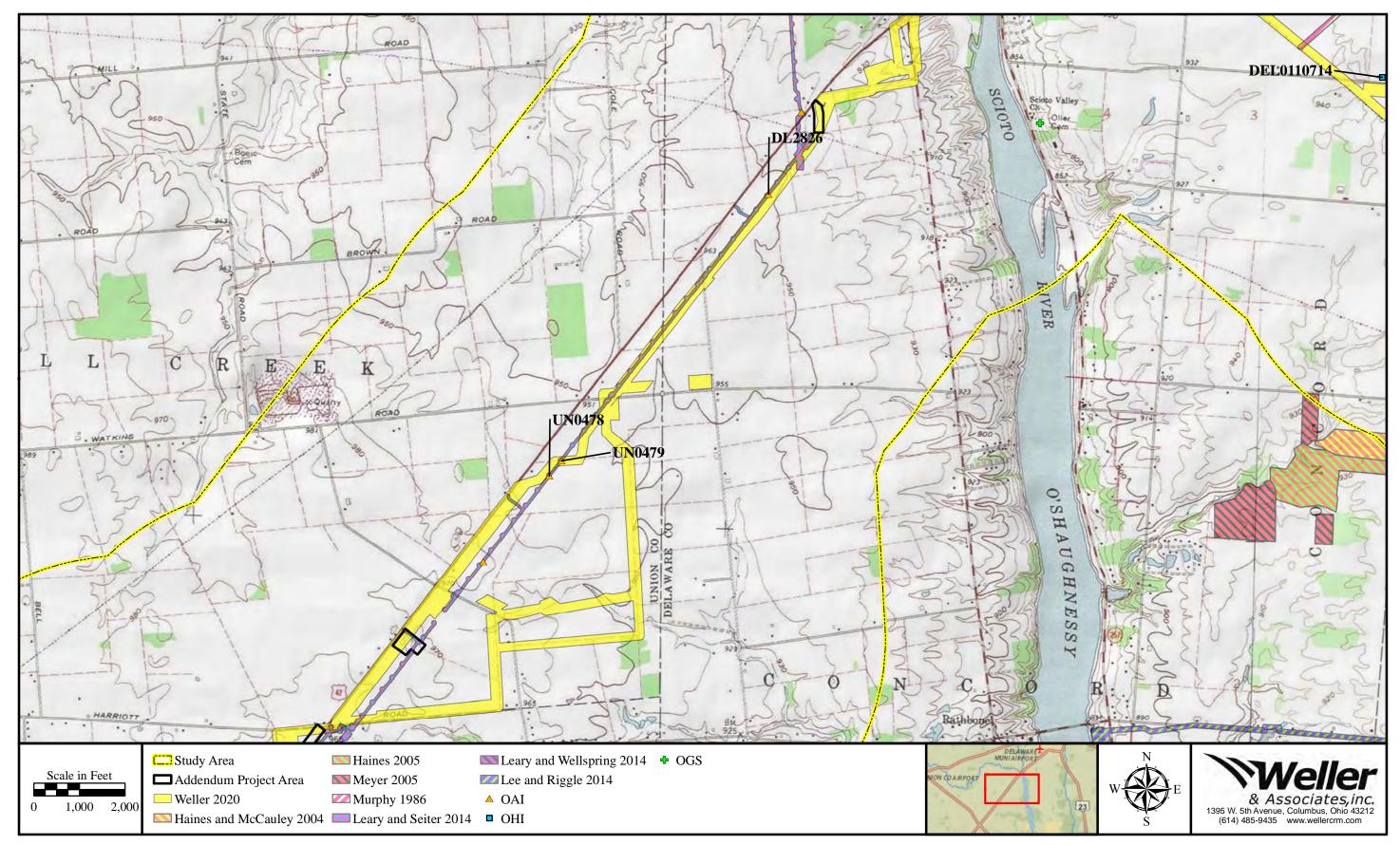


Figure 2. Portion of the USGS 1975 Shawnee Hills, Ohio 7.5 Minute Series (Topographic) map indicating the location of the project and recorded resources in the study area.

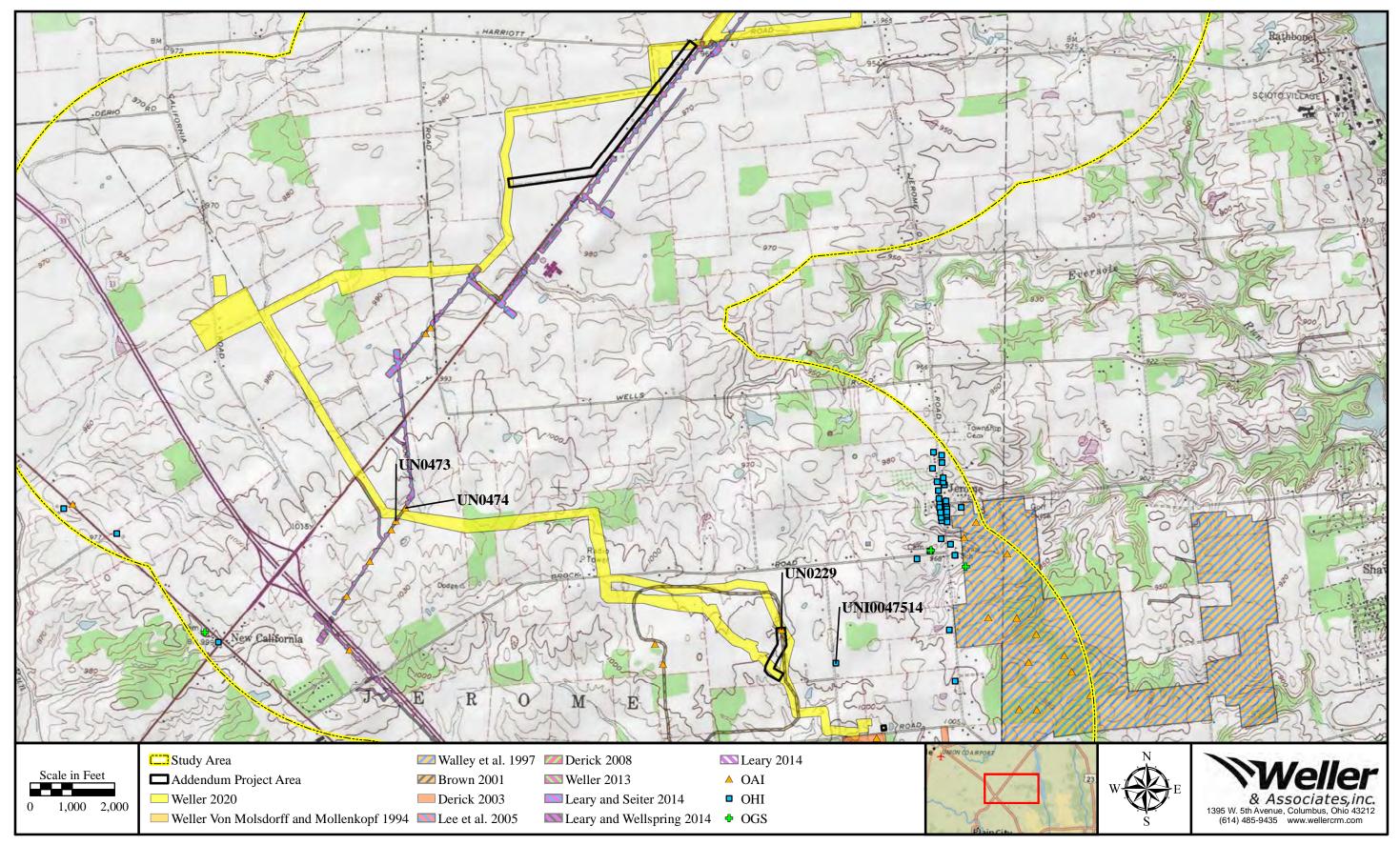


Figure 3. Portion of the USGS 1975 Shawnee Hills, Ohio 7.5 Minute Series (Topographic) map indicating the location of the project and recorded resources in the study area.

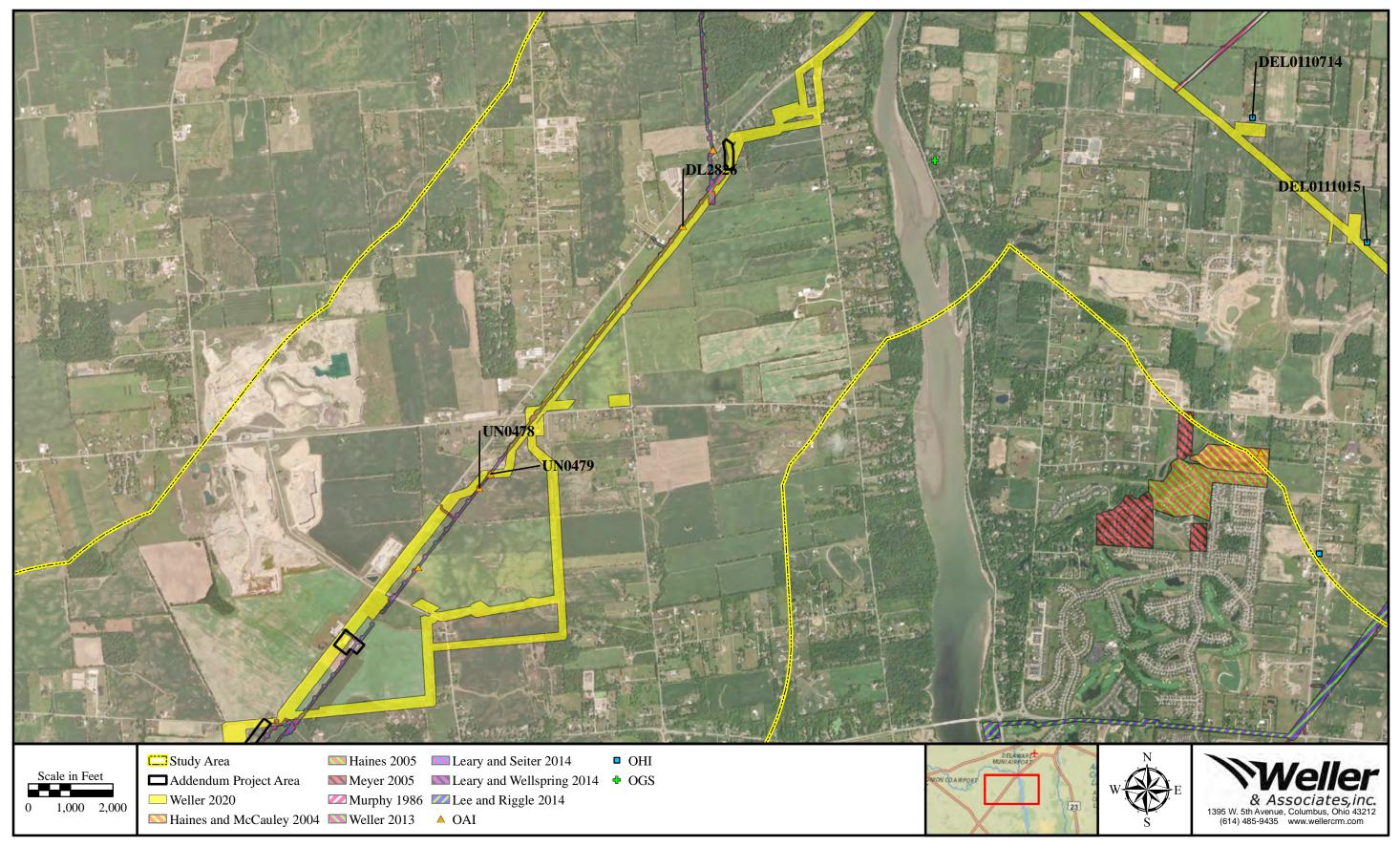


Figure 4. Aerial map indicating the location of the project area and recorded resources within the study area.

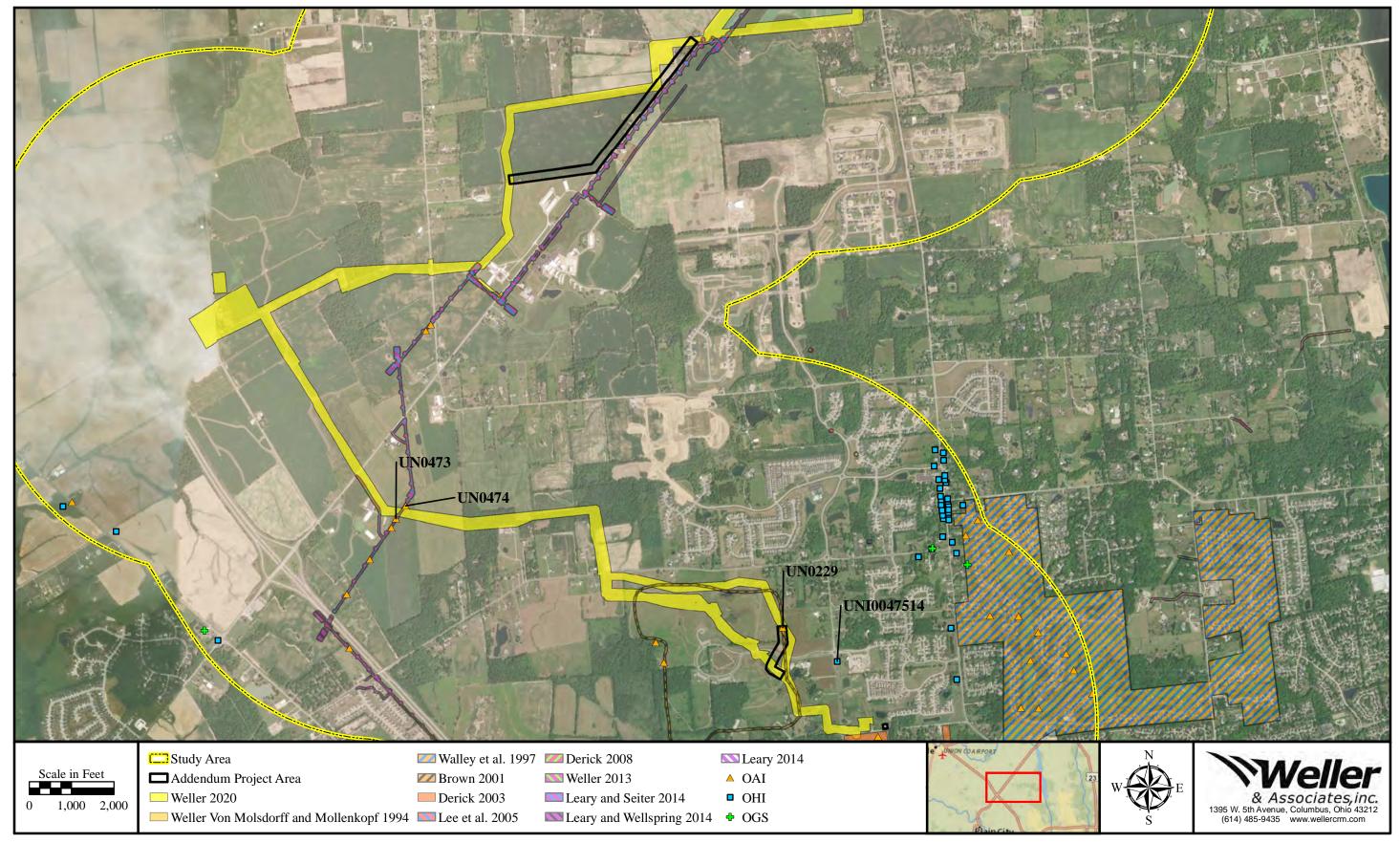


Figure 5. Aerial map indicating the location of the project area and recorded resources within the study area.

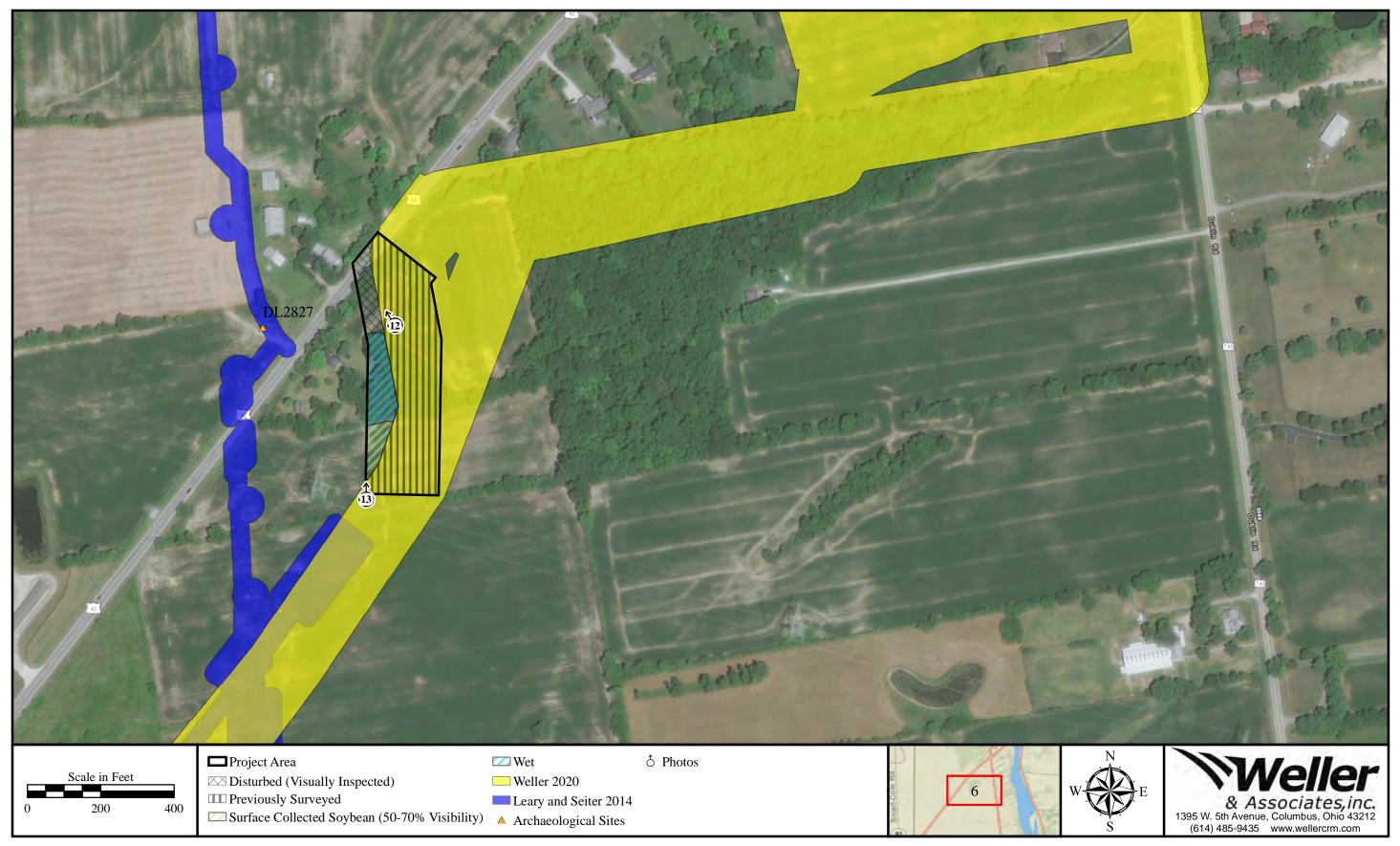


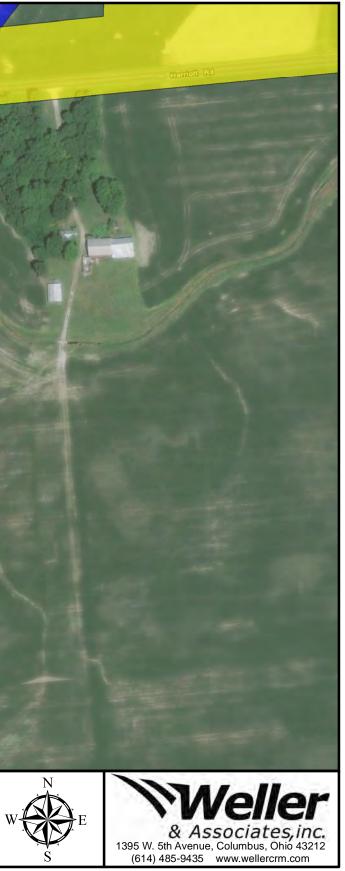
Figure 6. Fieldwork results and photo orientation map.



Figure 7. Fieldwork results and photo orientation map.

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Scale in Feet 0 200 400	 Project Area Surface Collected Corn (80-100% Visibility) Disturbed (Visually Inspected) Previously Surveyed 	 Surface Collected Soybean (80-100% V Negative Shovel Test Unit Weller 2020 Leary and Seiter 2014 	Visibility) 👌 Photos	t Rd Hamott Rd 9

Figure 8. Fieldwork results and photo orientation map.



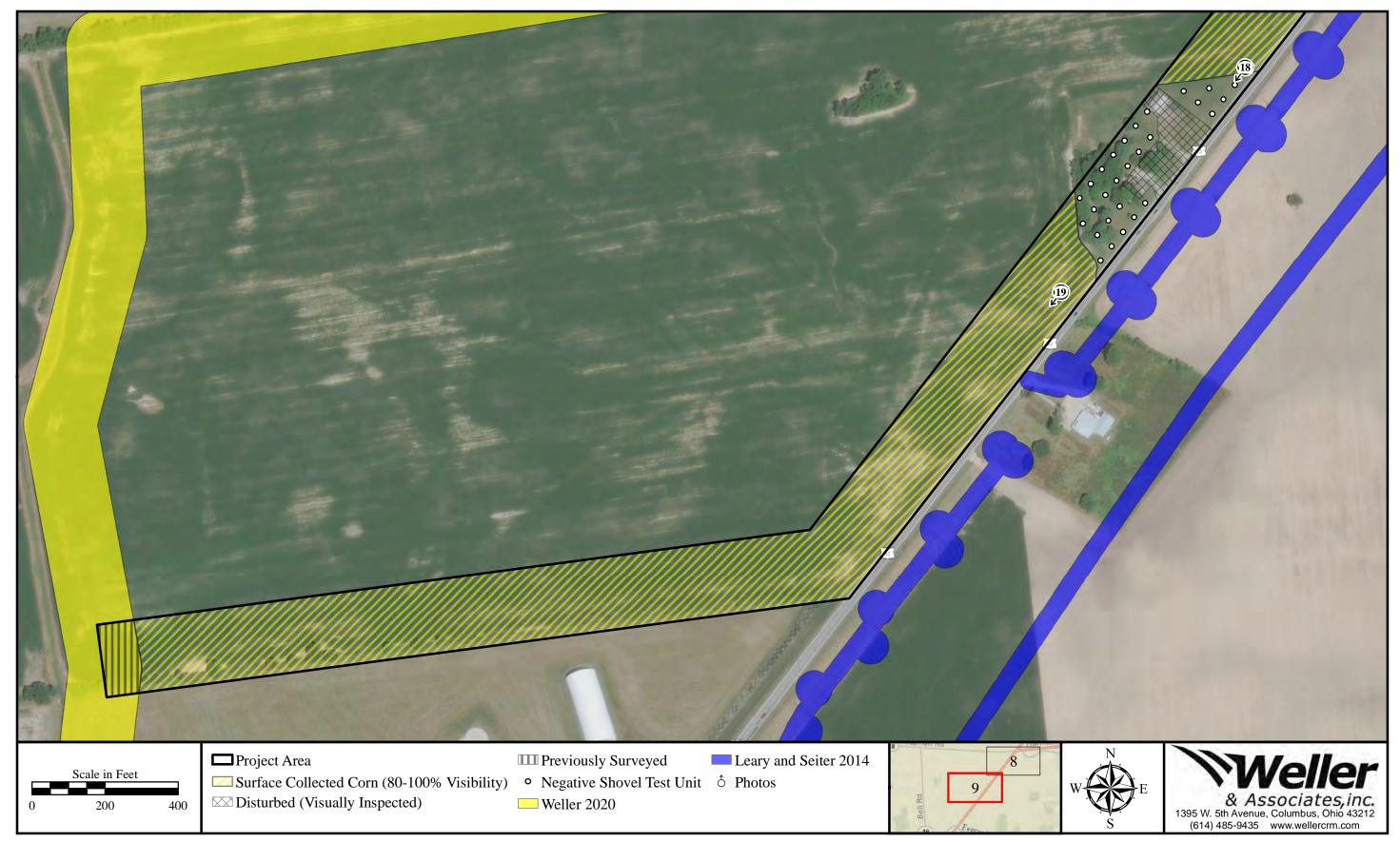


Figure 9. Fieldwork results and photo orientation map.

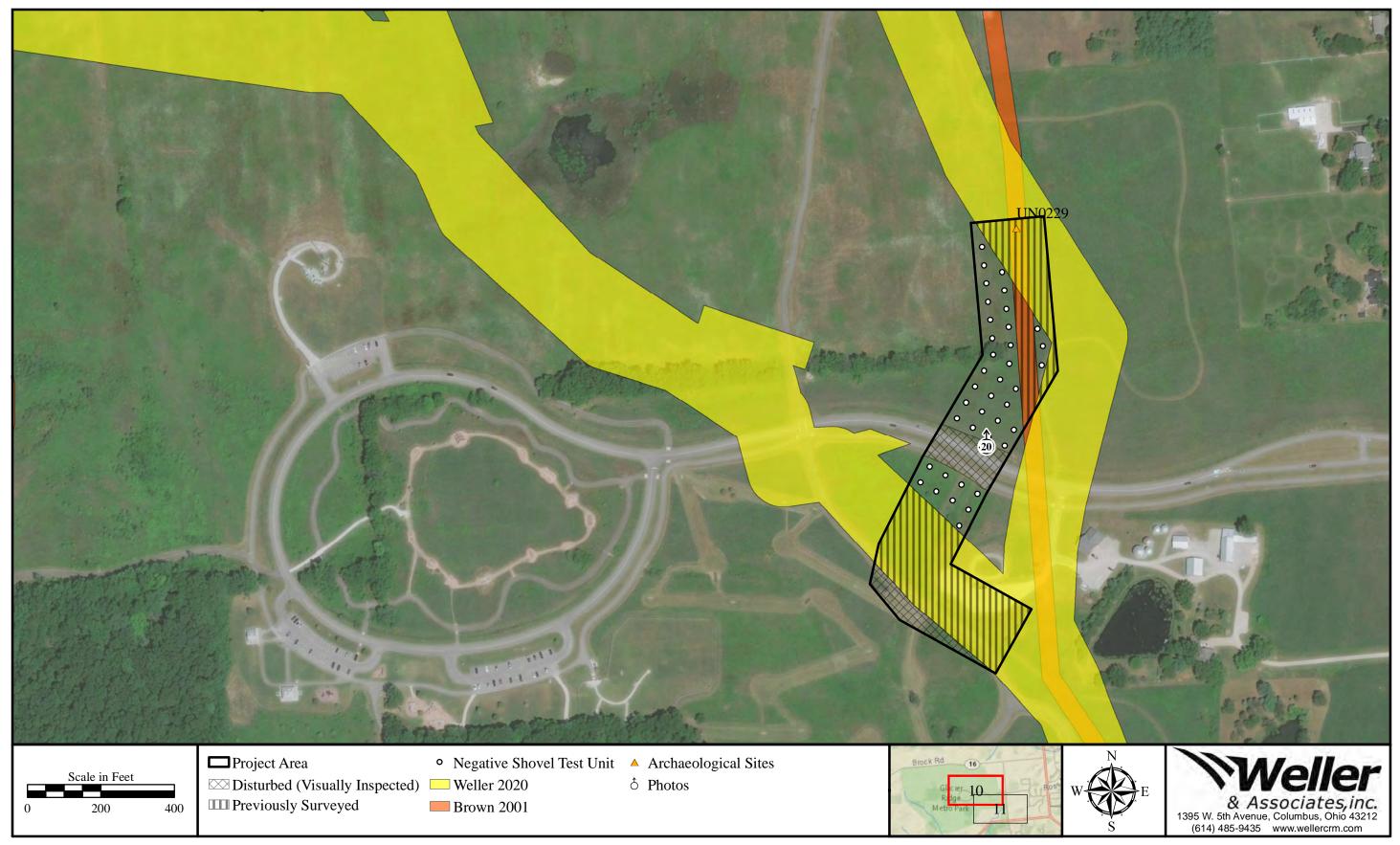


Figure 10. Fieldwork results and photo orientation map.

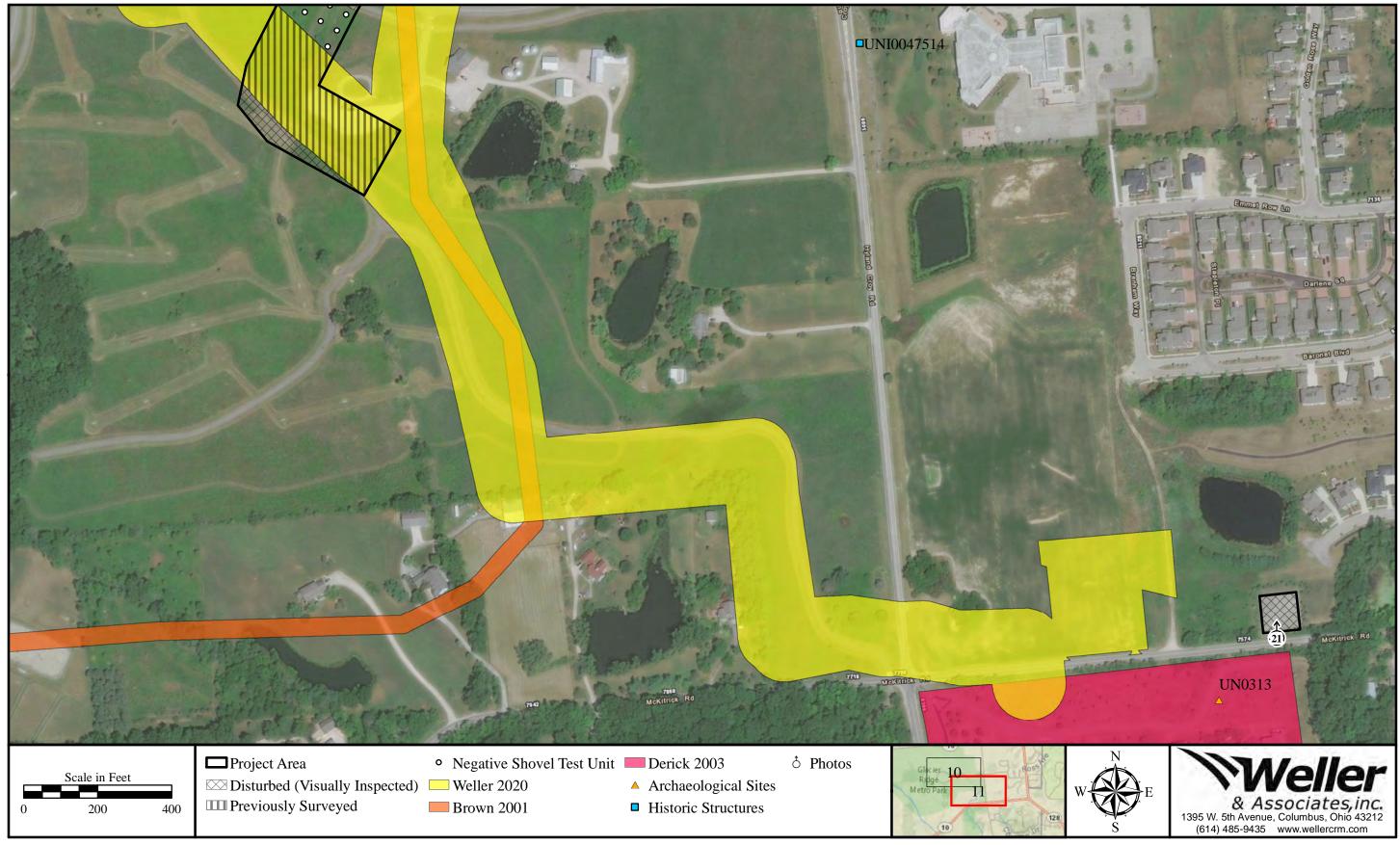


Figure 11. Fieldwork results and photo orientation map.



Figure 12. Disturbed conditions south of US 42.



Figure 13. Surface collected soybean stubble south of US 42.



Figure 14. Shovel tested field southeast of US 42.



Figure 15. Shovel tested manicured lawn northwest of US 42.



Figure 16. Surface collected soybean field northwest of US 42.



Figure 17. Shovel tested field northwest of US 42.



Figure 18. Shovel tested manicured lawn northwest of US 42.



Figure 19. Surface collected cornfield west of US 42.



Figure 20. Shovel tested field in Glacier Ridge Metro Park.



Figure 21. Disturbed conditions within the fenced gas area in the southern aspect of the project area.



Figure 22. Visibility typical throughout the surface collected soybean fields in the project.



Figure 23. Visibility typical throughout the surface collected corn fields in the project.

Appendix A:

Previously Recorded OAI's Within or adjacent to the Project

Ohio Historic Preservation Office

OHIO ARCHAEOLOGICAL INVENTORY

567 East Hudson Street. Columbus, Ohio 43211-1030 614/298-2000 Fax: 298-2037 OHIO HISTORICAL SOCIETY SINCE 1885

*Site No. 33- UN - 229

RECEIVED JAN 17 2002

*Response required for acceptance of for	orm		for official use	e only
		-	Coder	
A. Identification			Date	
*1. Type of Form (select as many as a				
X New Form Revised	Form Transcribe	ed Data		
2. County Union "3. T	rinomial State Site Numb	per 33-UN - 229		
4. Site Name(s)				
5. Project Site Number Field	site #3		2	
6. Other State Site Number				
7, Source (of Item A.5. and/or A.6.) _	EMH &T, Inc	maps and field notes		
B. Location				
*1. UTM Zone 16.or _X	17			
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2. Latitude''	ŵ.			
Longitude°	C.C.			
*3. Township <u>3N</u> Range <u>20W</u> N				
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Township Name Jerome				
*4. Quadrangle Name _ Shawne	Hills Ohio		1 9	
*5. Quadrangle Date /96 7 (P	R 1973, PT 198	(07		
*6. Confident of Site Location _X	and the second			
C. Ownership				
1. Name(s) Metro Parks				
Address 1069 West	Main Street			
City/Town, State, Zip Wester	ville, Oh 4308	7		
Phone ()				
2. Tenant (if any)				T
				*Site No Plotted
City/Town, State, Zip				No.
Phone ()				N 63
*3. Ownership Status (select only one	as appropriate):			3
	Private (multiple)	X Local Govt.	_	ON
State Govt.	Federal Govt.	Multiple Govt.		1
Mixed-Govt./Private	Unknown			22
D. Temporal Affiliations				29
*1. Affiliations Present (select only one	e, as appropriate):			
X Prehistoric	Historic	Prehistoric and Historic		
Unknown	Unrecorded			

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Late Prehistoric	Protohistoric Other (specify)	
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•11.	Minimum Number of Historia	c Temporal Period	s Represented		
	Basis for Assignment of Hist				
	Diagnostic Artifacts		stic Architectural		
	Diagnostic Features			Oral Tradition	
	Unrecorded	Other (specify)	cinary Eriacitos		
13	Describe how Historic Tempo				
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				ecify Historic Temporal Period(s) by	
	using letter designations from		aron realares spe	seny materic remporar remot(s) by	
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	Researcher				
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	Toys & Games	Printed		Religious/Ceremonial	
	Military	Weapo		Transportation	
	Architectural	and the second se	lardware	Const./Manufacturing Tools	
	Agricultural	Fuel/Er		Food Remains	
	Clothing	Unreco	1. E.C	Unknown	
	Other (specify)				
15	Specific Historic Cultural Ma	terials Collected			
10.	Type	<u>Count</u>	Type	Count	
	Type	Count	Туре	Count	
~	and a second				
	eral				
16.		Historic Cultural N	laterials observed	d but not collected. State reason(s)	
	for not collecting.				

17. Affiliated Ohio Historic Inventory Site Number and Name:

3

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"Site No. 33- UN - 229

1. Archaeological Setting				
	e _X_ Open	UnrecordedUr	nknown	
	Other (specify)			
2. Prehistoric Site (select a				
Habitation:Can		Hamlet Unsp	ecified Habitation	
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		Earth Mound	Stone Mound	
	y Mound	Mound Group	Hilltop Enclosure	
	metrical Earthwork	Cemetery	Isolated Burial(s)	
	oglyph/Pictograph			
Other: X Unknown	Unrecorded	Other (specify)		
. Historic Site Type (selec	ct as many as appropriat	te):		
Residential	Commercial	Social	Government	
Religious	Educational	Mortuary	Recreation	
Subsistence	Industrial	Health Care	Military	
Transportation	Unrecorded	Unknown		
Other (specify)				
Site Condition (select a				
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*Site No. 33- UN - 229	
	for official use only
*12. Glacial Geomorphology (select only one, as appropriate):	
Not Applicable	
Kansan Ground Moraine Wisconsin Kame/Kettle/Esker/Drum	alin
Illinoian Ground Moraine Wisconsin Lacustrine Deposit	
Wisconsin Lacustrine Deposit	
Wisconsin Ground Moraine Wisconsin Deposit	
Unrecorded Other (specify)	
13. Regional Geomorphological Setting (select only one, as appropriate):	
Stream Valley <u>X</u> Upland Hill Slope Beach Ridge	_
Hill or Ridge Top Lake Plains Interfluvial Zone Unrecorde	ed
Local Environmental Setting (select only one, as appropriate):	
Terrace:UnknownT-1T-2T-3T-4	
Beach Ridge Terrace Remnant Natural Levee I	
Low Rise on Floodplain Alluvium Island Kame	
Esker X Moraine Glacial Hummock Wetland Hum	hmock
BluffBluff BaseBluff EdgeSaddleHi	ll or Ridge Top
Closed Depression Unrecorded Other (specify)	
5. Soils:	
Soil Association Ceasly - Kahono-Lewisburg Soil Series-Phase/Complex Blow + silt loan	
Soil Series-Phase/Complex Blound silt loan	
Reference USDA, SCS Soil Surry of Union County	
16. Down Slope Direction (select only one, as appropriate):	
SSWSEWUnrecorded	
17. Slope Gradient (percent) Unrecorded	
18. Drainage System (see manual):	
Major Drainage Scioto River Ohio R.	
Minor Drainage Naith Fach Indian Run Sciob R	
Closest Water Source (select only one, as appropriate):	
Name: Unnamed interni Hent	
Permanent Stream Lake/Pond X Ephemera	I Stream
Permanent Spring Swamp/Bog Intermitten	t Spring/Seep
Slough/Oxbow Lake Artificial Lake/Pond (historic sites only)	
Artificial Stream/Ditch (historic sites only)	d
Other (specify)	
20. Horizontal Distance to Closest Water Source 305 (meters from UTM poin	t)
21. Elevation Above Closest Water Source (meters A.M.S.L. from UTM p	
Reporting Information	isinity .
1. Investigation Type (select as many as appropriate):	
	t Transbias)
Auger/Soil Corer X Shovel Test(s) Test Pit(s) Test	
Deep Test(s) PZ or Humus Removal Testing/Excav. (stra	ategy unknown)
Mitigation/Block Excavation Aerial Photograph	
Remote Sensing (specify)	
Chemical Analysis (specify)	
Unrecorded Other (specify)	

Page 5

			for official use only
. Surface Collection Strategy (s Not Applicable Controlled-Unknown Controlled-Sample	select as many as appropriate <u>×</u> Grab Sample Controlled-Total Unrecorded): Diagnostics	
Other (specify) . If surface collection strategy is and percentage.	s Controlled-Total, Controlled-8	Sample, or Other, describe methodology	
None 51-90%	one, as appropriate): Less than 10% 91-100%	11-50% Unrecorded	
	31-10076		
5. Site Area (square meters)	84		
<u>X</u> Taped T	Historic Maps Aeria	e): al Photograph Paced ge Finder Unrecorded	
	Historic Maps Aeria Fransit/Alidade Rang : No Yes : Excavated Unrecord	al Photograph Paced ge Finder Unrecorded Unrecorded	
	Historic Maps Aeria Fransit/Alidade Rang : No Yes Excavated Unrecord # M. Derick IH &T, Iuc.	al Photograph Paced ge Finder Unrecorded Unrecorded ded Unknown	2 0 /
	Historic Maps Aeria Transit/Alidade Rang Excavated Yes Excavated Unrecord M. Derick 1H ST, Inc. 2/01	al Photograph Paced ge Finder Unrecorded Unrecorded ded Unknown	2 0
	Historic Maps Aeria Fransit/Alidade Rang Excavated Unrecord Excavated Unrecord M. Derick 1HST, Inc. 2/01 /11	al Photograph Paced ge Finder Unrecorded Unrecorded ded Unknown	
	Historic Maps Aeria Fransit/Alidade Rang Excavated Unrecord Excavated Unrecord M. Derick 1HST, Inc. 2/01 /11	al Photograph Paced ge Finder Unrecorded Unrecorded ded Unknown	
	Historic Maps Aeria Fransit/Alidade Rang Excavated Unrecord Excavated Unrecord M. Derick 1HST, Inc. 2/01 /11	al PhotographPaced ge FinderUnrecorded dedUnknown nts	

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				for of
19.	Photographs (select as many as appr	opriate):		
	No. of Slides No. of	f Prints		
	Aerials: Black/White	ColorInfrared		
20.	Name and Address of Institution Whe	re Photos Are Filed (ind	clude photo log number if available)	
1.	National Register Status (select only	one, as appropriate):		
	National Register Property†	Desident		-
	Determined Eligible for National National Register Status Not A			
	Removed from National Regis			
	Determined Not Eligible†			
	†Determination made by Keeper of	the National Register (date)	
2.	State Registry Status (select only one			
	State Registry Listed†			-
	Not Assessed for State Regist	ry		
	Removed from State Registry			
	Determined Not Eligible†			
	†Determination made by Ohio Histo	orical Society (date)		
23.	Discuss the potential significance of t	the site (does it meet N	lational Register and/or State Registry	y
	criteria of significance in your opinion	? Why or why not? Upo	on what evidence have you based you	r
	opinion?)			
4	Special Status (select only one, as ap	poropriate):		
1	None	Wilderness Area	Wildlife Preserve	
	None	_ Scenic River	Nature Preserve	
	Forest	_ Military Installation		
		_ military mstallation	Archaeological Preserve	
	Archaeological District		Unknown	
	Other (specify)			

"Site No. 33- UN - 229

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use only

*Site No. 33- UN - 229

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*G. References - List Primary Documentary References (see manual):

1. Brown J Phase I Cultural Resources Managemen ligations for the approximately 3.26 km (2.25 mi) in Ridge Metro this Multi forpase Trai Tormaling, Uman Courty, Ohio. Submitte 2. to the metro Parks by EMHOT, Ind

3.

H. Radiometric Dates

1. Material(s) Dated	
Date (uncorrected C14 years)	
Laboratory	
Sample #	
Reference(s)	
2. Material(s) Dated	
Date (uncorrected C14 years)	
Laboratory	
Sample #	
Reference(s)	
3. Additional Radiometric Dates Yes No	

(use Continuation Section to list other dates)

I. Description of Site

*1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc.

Archaeological site 3300229 is a sund prelistanie period site. This site is a low density, lithui scatter located along the vartheastern streds of the project area This site was identified during the surface collection of a fallow field will, and year of saybean stubille. An Early Archaic St. Alban's point was collected from the site.

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*2. Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc.

This site is similar to other site lacoted within the study radius. Its location, artifacts, concentration of artifacts, and size is consistent with sites encountered in the literature review.

J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

*K. Sketch Map or Copy of Project Map of Site

Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xerox of the quadrangle.

See inserted page 11

"Site Location Permanent Feature

Distance (m)

Direction/Bearing from Site to Terrain Feature

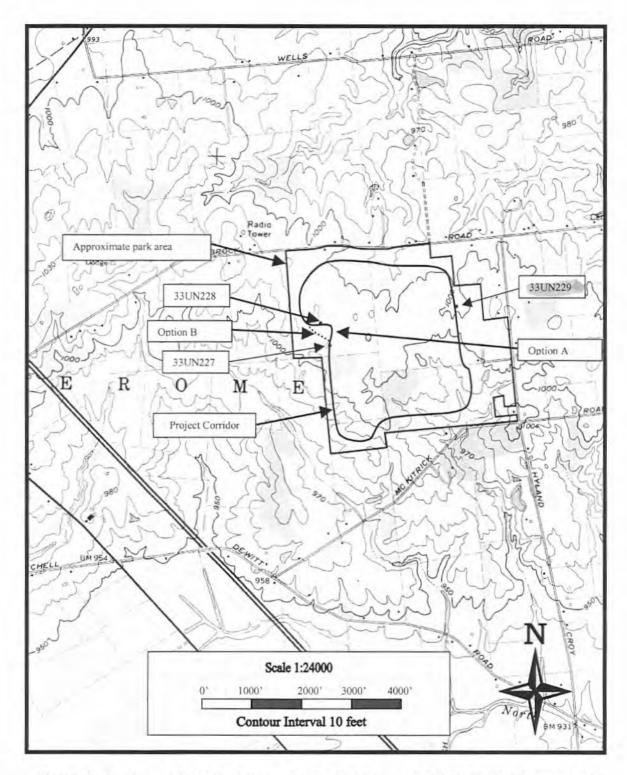


Figure 2. Portion of the United States Geological Survey (USGS) 1967 (Photorevised 1973, Photoinspected 1980) Shawnee Hills, Ohio 7.5 Minute Series (Topographic) map showing the location of archaeological sites 33UN227-229.

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