Purchasing Division
Finance Department

Room 120
411 West First Street
Duluth, Minnesota 55802

218-730-5340
purchasing@duluthmn.gov

Addendum No. 1
Solicitation 25-99606
Keene Creek Filtration Pond

This addendum serves to notify all bidders of the following changes to the solicitation documents:

DRAWINGS

1) **SHEET 2 – STATEMENT OF ESTIMATED QUANTITIES**
   A. Added item No 11 – 1206.507 Common Embankment to a quantity of 90 CU YD
   B. Added item No 12 – 1206.607 Haul & Disposal of Debris
   C. Revised Item No 43 – 2573.503 Silt Fence, Type HI to a quantity of 1161 LF
2) **SHEET 15 – LANDSCAPE PLAN**
   A. Added 424 Lin Ft of Silt Fence

SPECIFICATIONS

3) **SP-31 (2106) HAUL & DISPOSAL OF DEBRIS**
   This work shall include the segregation of concrete, bituminous, wood, large stones, and other non-hazardous waste from the existing fill material on site. The waste shall then be removed from the site and disposed of properly.
   A. Measurement and Payment
      Measurement will be made by the cubic yard of waste removed. Payment shall be made under Item 2106.607 (Haul & Disposal of Contaminated Material) at the contract bid price per cubic yard, which shall be compensation in full for labor, equipment, and materials necessary to complete the work.

4) **Appendix B**
   A. Add Appendix B – Section 106 Report

Questions

1) The SEQ does not match the bid form.
   A. The SEQ and the bid form are reissued in this addendum.

2) Can you please point out where the plans call out the concrete pavers?
   A. The concrete pavers are called out on sheet 7 in the Forebay detail. The intent is to use pavers in the forebay only to aid in future maintenance. The extent of the pavers is up the sides of the forebay 16” and terminating under the filter berm.

Please acknowledge receipt of this Addendum by checking the acknowledgement box within the www.bidexpress.com solicitation.

Posted: **July 17, 2025**

STATEMENT OF ESTIMATED QUANTITIES

ITEM NO.	NOTE NO.	SPEC. NO.	ITEM DESCRIPTION		UNITS	TOTAL ESTIMATED QUANTITIES
1		2021.501	MOBILIZATION		LS	1
2		2101.502	CLEARING		EACH	11
3		2101.502	GRUBBING		EACH	11
4		2104.502	REMOVE PIPE APRON		EACH	1
5		2104.502	REMOVE MANHOLE OR CATCH BASIN		EACH	2
6		2104.503	REMOVE SEWER PIPE (STORM)		LIN FT	286
7		2104.504	REMOVE CONCRETE WALK		SQ YD	30
8		2104.502	SALVAGE SIGN		EACH	1
9		2104.503	SALVAGE FENCE		LIN FT	20
10	(1)	2106.507	EXCAVATION – COMMON	(P)	CU YD	540
11	(2)	2106.507	COMMON EMBANKMENT		CU YD	90
12		2106.607	HAUL & DISPOSAL OF DEBRIS		CU YD	50
13		2108.504	GEOTEXTILE FABRIC TYPE 5		CU YD	609
14						
		2211.507	AGGREGATE BASE (CV) CLASS 5		CU YD	175
15		2451.507	COARSE FILTER AGGREGATE (CV)		CU YD	485
16		2451.607	FILTER TOPSOIL BORROW MOD		CU YD	240
17		2451.607	FINE FILTER AGGREGATE MOD 1		CU YD	240
		2451.607	FINE FILTER AGGREGATE MOD 2		CU YD	240
18						
19		2502.602	4" PVC PIPE DRAIN CLEANOUT		EACH	15
20		2502.503	4" PERF PVC PIPE DRAIN		LIN FT	895
		2502.503	8" PVC PIPE DRAIN		LIN FT	181
21						
22		2503.503	10" PVC PIPE SEWER		LIN FT	120
23		2503.503	12" RC PIPE SEWER CLASS III		LIN FT	116
24		2503.602	CONNECT TO EXISTING STORM SEWER		EACH	2
		2503.602	CONNECT INTO EXISTING MH OR CB		EACH	2
25						
26		2506.502	CASTING ASSEMBLY		EACH	4
27		2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN H		LIN FT	12.28
28		2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 4020-48		LIN FT	4.26
29		2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 1		EACH	1

STATEMENT OF ESTIMATED QUANTITIES

ITEM NO.	NOTE NO.	SPEC. NO.	ITEM DESCRIPTION		UNITS	TOTAL ESTIMATED QUANTITIES
30		2511.504	GEOTEXTILE FILTER TYPE 3		SQ YD	47
31		2511.507	RANDOM RIPRAP CLASS I		CU YD	20
32		2521.518	4" CONCRETE WALK		SQ FT	30
33		2540.602	INFORMATION SIGN		EACH	1
34		2540.618	CONCRETE PAVERS		SQ FT	780
35		2557.603	CHAIN LINK SAFETY FENCE		LIN FT	720
36		2563.601	TRAFFIC CONTROL		LS	1
37		2571.502	DECIDUOUS TREE 1.25" CAL CONT		EACH	8
38		2571.602	PERENNIAL PLUGS		EACH	3048
39		2573.501	STABILIZED CONSTRUCTION EXIT		LS	1
40		2573.502	STORM DRAIN INLET PROTECTION		EACH	12
41		2573.503	FILTER BERM TYPE 5		LIN FT	70
42		2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER		LIN FT	1202
43		2573.503	SILT FENCE, TYPE HI		LIN FT	1161
44		2574.508	FERTILIZER TYPE 3		LB	40
45	(3)	2574.607	COMPOST GRADE 2	(P)	CU YD	65
46		2575.504	ROLLED EROSION PREVENTION CATEGORY 20		SQ YD	4400
47		2575.504	SODDING TYPE LAWN		SQ YD	25
48		2575.505	RAPID STABILIZATION METHOD 1		ACRE	0.9
49		2575.505	SEEDING		ACRE	1.8
50		2575.508	SEED MIXTURE 21-112		LB	90
51		2575.508	SEED MIXTURE 25-131		LB	63
52	(4)	2575.608	SEED MIXTURE SPECIAL		LB	8
53	(5)	2575.608	SEED MIXTURE SPECIAL 1		LB	10

NOTES:

(1) INCLUDES TOPSOIL
(2) SUPPLEMENTS EXCAVATION-COMMON MATERIAL TO CONSTRUCT EARTHEN BERM
(3) INCLUDES SALVAGED TOPSOIL
(4) SEED MIX BWSR WOODLAND EDGE NORTHEAST 36-312
(5) SEED MIX BWSR STORMWATER NORTHEAST 33-361

GENERAL NOTE

ALL MATERIAL NOT UTILIZED ON THIS PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF OFF THE R/W IN ACCORDANCE WITH SPEC 2104

REVISION 1 – 07/16/2025

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE: _____ NATHAN BRUNO TYPE NAME

DATE: 07/03/2025

LIC. NO: 46584

CITY OF DULUTH
ENGINEERING DIVISION
411 W. 1ST ST. STE. 211
DULUTH, MN 55802

KEENE CREEK FILTRATION POND

CITY PROJECT NO.: 2118

STATE AID PROJECT NO.: NA

DRAWN BY: JDO

STATEMENT OF ESTIMATED QUANTITIES

PERENNIAL PLUGS			
	COMMON NAME	LATIN NAME	QUANTITY
1	SWAMP MILKWEED	ASCLEPIAS INCARNATA	381
2	COMMON BONESET	EUPATORIUM PERFOLIATUM	381
3	SPOTTED JOE-PYE WEED	EUTROCHIUM MACULATUM	381
4	SNEEZEWEED	HELENIUM AUTUMNALE	381
5	CARDINAL FLOWER	LOBELIA CARDINALIS	381
6	BLUE LOBELIA	LOBELIA SIPHILITICA	381
7	PURPLE-STEMMED ASTER	SYMPHYOTRICHUM PUNICEUM	381
8	BLUE VERVAIN	VERBENA HASTATA	381

DECIDUOUS TREE 1.25" CAL CONT		
	SPECIES	QUANTITY
1	PRAIRIE EXPEDITION ELM	2
2	RIVER BIRCH	3
3	RED OAK	2
4	JEFFERSON ELM	1

424 LF SILT FENCE, TYPE HI
INSTALL SILT FENCE AFTER PERMANENT PLANTINGS ARE INSTALLED

0 15' 30'

REVISION 1 – 07/16/2025

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE: _____ NATHAN BRUNO TYPE NAME

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CITY OF DULUTH
ENGINEERING DIVISION
411 W. 1ST ST. STE. 240
DULUTH, MN 55802

KEENE CREEK FILTRATION POND

CITY PROJECT NO.: 2118 STATE AID PROJECT NO.: NA

DRAWN BY: JDO

LANDSCAPE PLAN

SHEET NO. 15 OF 24

PREPARED BY: Alexis M. Jordan, U.S. Army Corps of Engineers, Chicago District Planning Branch

PROJECT NAME:	**Irving Park Stormwater Infrastructure Improvements**							
LOCATION INFORMATION:				Township	Range	Section	Project Acres:	
County:	St. Louis	State:	MN	49 North	14 West	18	Total surveyed	1.94 acres
USGS Topo:	Duluth, MN 7.5'						APE	3.24 acres
Contact Address:	USACE-Chicago District Planning Branch, CELRC-PDL-E, 231 S LaSalle St, Unit 1500, Chicago, IL 60604							

UNDERTAKING/APE (list of actions comprising the undertaking and description of the geographical area in which activities will occur)

Under Section 569 of the Water Resources Development Act of 1999 (Public Law 106-53), the Corps proposes to fund a portion of the City of Duluth's infrastructure improvements involving the installation of green technology stormwater structures in Irving Park and South 57th Avenue West. The project includes the construction of a detention basin, earthen berm, a storm sewer manhole with a diversion weir, a water quality structure, and additional storm water pipes connecting the basin, manhole, and water quality structure to the existing drainage system which discharges into Keene Creek (Figures 1-2).

The undertaking is located in Section 18, Township 49 north, Range 14 west in St. Louis County, Minnesota (Figure 3). The APE for the undertaking encompasses the project area, including staging and access routes, and totals approximately 3.24 acres. USACE believes that the APE is sufficient to identify and consider potential effects of the proposed project.

The 13,000 square-foot detention basin would consist of a sediment forebay, biochar filtering basin and wetland biofiltration basin as well as 800 feet of 4-inch perforated underdrains and 180 feet of 8-inch solid header pipe. Construction of the basin would involve the removal of approximately 1020 cubic yards of sediment from Irving Park. The maximum excavation dimensions for the basin would be approximately 100 feet wide, 200 feet long, and 5 feet deep. Approximately 320 linear feet of berm would then be constructed from approximately 630 cubic yards of the excavated sediment on the east and south sides of the detention basin. The berm would be approximately 20 feet wide.

The storm sewer manhole with a diversion weir and water quality structure would be placed in the right-of-way for South 57th Avenue West and connected to each other and the detention basin via approximately 50 feet of 12-inch reinforced concrete pipe. The manhole would measure approximately 6 feet in diameter and the water quality structure would be approximately 6 feet by 6 feet in size. The maximum width of excavation for these structures would be approximately 20 feet. The maximum depth of excavation for placement of the manhole and water quality structures would be 10 feet and the maximum depth of excavation for placing the 12-inch pipe would be 5 feet. All work under South 57th Avenue West would be conducted in the previously disturbed soil of the road rights-of-way.

Water would be drained from the detention basin via approximately 115 feet of 12-inch reinforced concrete pipe connected to an existing drainage structure in Irving Park which discharges into Keene Creek. The maximum width of excavation for the pipe would be approximately 20 feet and the maximum depth of excavation would be 5 feet.

The APE was thought to be completely disturbed but this could not be confirmed for the entirety of Irving Park.

BACKGROUND LITERATURE REVIEW AND RECORDS SEARCH		Date of Record Search: 4/4/24

USACE has conducted a records search and literature review of the project APE on the Minnesota Statewide Historic Inventory Portal (MnSHIP) and the Office of the State Archaeologist (OSA) Portal. The literature review and records search revealed that there are no previously known archaeological sites or properties listed in the National Register of Historic Places (NRHP) or the Minnesota Historic Property Inventory within the project APE. An apartment building (SL-DUL-00638) sits directly adjacent to the APE to northeast and a bridge (SL-DUL-03994) is adjacent to the APE to east. Both are listed on the Minnesota Historic Property Inventory sit adjacent to the APE (Figure 4) but would not be impacted by the undertaking (Figure 4).

Survey Conditions: Survey was conducted in cloudy conditions. The surveyed area consisted of manicured grass, a few large trees, and a patch of tall grass (Figures 5-7).

Survey Problems: Approximately 40% of the APE was not shovel tested as it was heavily disturbed. The westernmost portion of the APE was part of the South 57th Avenue West right of way. The northernmost portion of the APE contained a basketball court, playground, and gravel and asphalt paths. A gravel path also ran through the center of the Irving Park APE (Figures 5-7).

Survey Results: Shovel test pit survey was conducted on November 13-14 2024 by a USACE archaeologist. All accessible areas within the APE were visually inspected for cultural resources. Thirty shovel test pits were completed at approximately 15-meter intervals within the project APE and processed with ¼-inch screens (Figure 4; Table 1). Almost all shovel tests showed clear evidence of disturbance or likely evidence of disturbance. Clear evidence of disturbance included gravel, concrete, or asphalt fragments found amongst and/or beneath A and B horizons as well as separate subsoil horizons (M) of

these materials (Figures 8-10). Likely evidence of disturbance included buried A horizons (Ab) and/or multiple B horizons of very different colors and textures possibly indicative of their placement during previous construction in Irving Park (^B) (Figures 11) (Survey Staff 2024). The few shovel tests that did not appear to be disturbed consisted of an A horizon of sandy silt or sandy loam and a B horizon of sand and/or clay (Figure 12). No cultural materials were found during the survey.		
RECOMMENDATIONS / CONCLUSIONS:	No cultural resources were identified in the project area. USACE recommends a finding of no historic properties affected.	
Avoidance/Monitoring Measures:	Monitoring is not recommended for this undertaking.	
Tribal Consultation:	■ Apache Tribe of Oklahoma, Bad River Band of the Lake Superior Tribe of Chippewa Indians of the Bad River Reservation of Wisconsin, Bois Forte Band (Nett Lake) of the Minnesota Chippewa Tribe, Cheyenne and Arapaho Tribes of Oklahoma, Fond du Lac Band of the Minnesota Chippewa Tribe, Fort Belknap Indian Community of the Fort Belknap Reservation of Montana, Grand Portage Band of the Minnesota Chippewa Tribe, Keweenaw Bay Indian Community of Michigan, Lac Vieux Desert Band of Lake Superior Chippewa Indians of Michigan, Lac du Flambeau Tribe of the Lac du Flambeau Band of Lake Superior Chippewa Indians, Menominee Indian Tribe of Wisconsin, Mille Lacs Band of Ojibwe, Minnesota Chippewa Tribe, Upper Sioux Community of Minnesota, and the White Earth Band of Minnesota Chippewa	
Comments:	If any cultural resources, previously undetected artifacts or human remains are unearthed and/or disturbed during construction, work will be halted, and the USACE-Chicago District Cultural Resources Team contacted immediately.	
Attachments:	■ Maps: Vicinity Map, APE, Shovel Test Locations	■ Other: Project Photographs, Shovel Test Pit Log
Author Signature/Title	USACE Chicago District Archeologist	**Report Date** 31 March 2025

References:

Soil Survey Staff. 2024. Field book for describing and sampling soils, version 4.0. USDA, Natural Resources Conservation Service. U.S. Government Printing Office.

Figure 1: Project Location and Vicinity Maps

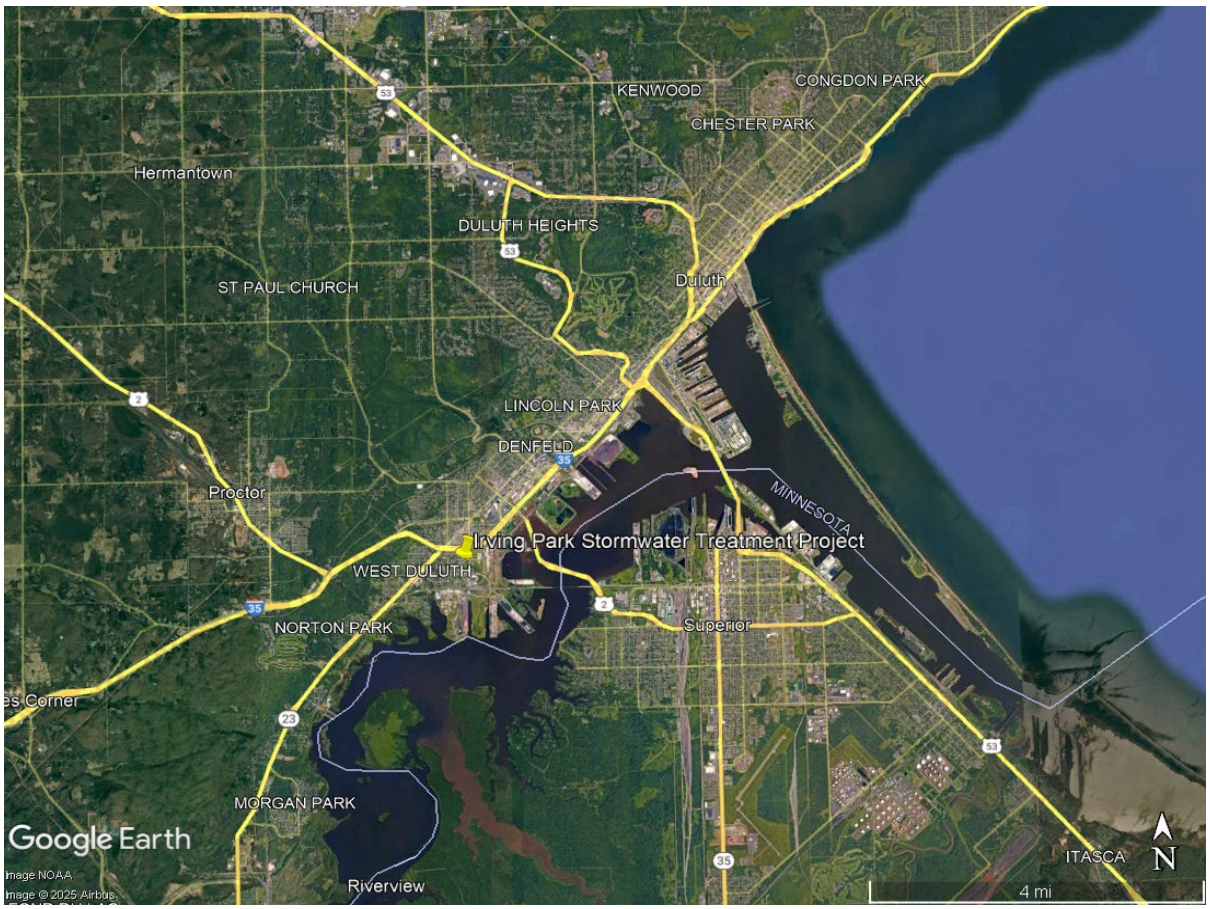

Figure 2: Project Design

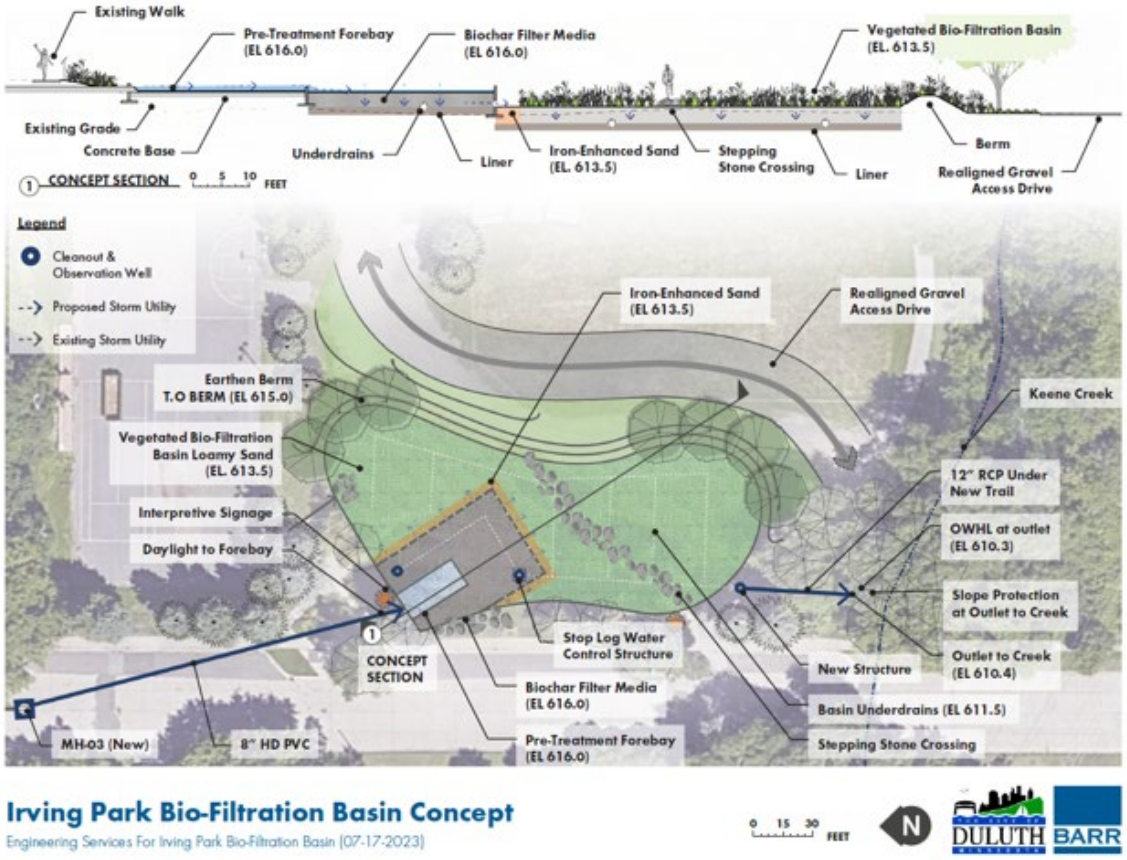

Figure 3: Project APE

Figure 4: Project Area, Shovel Tests, and Adjacent Cultural Resources

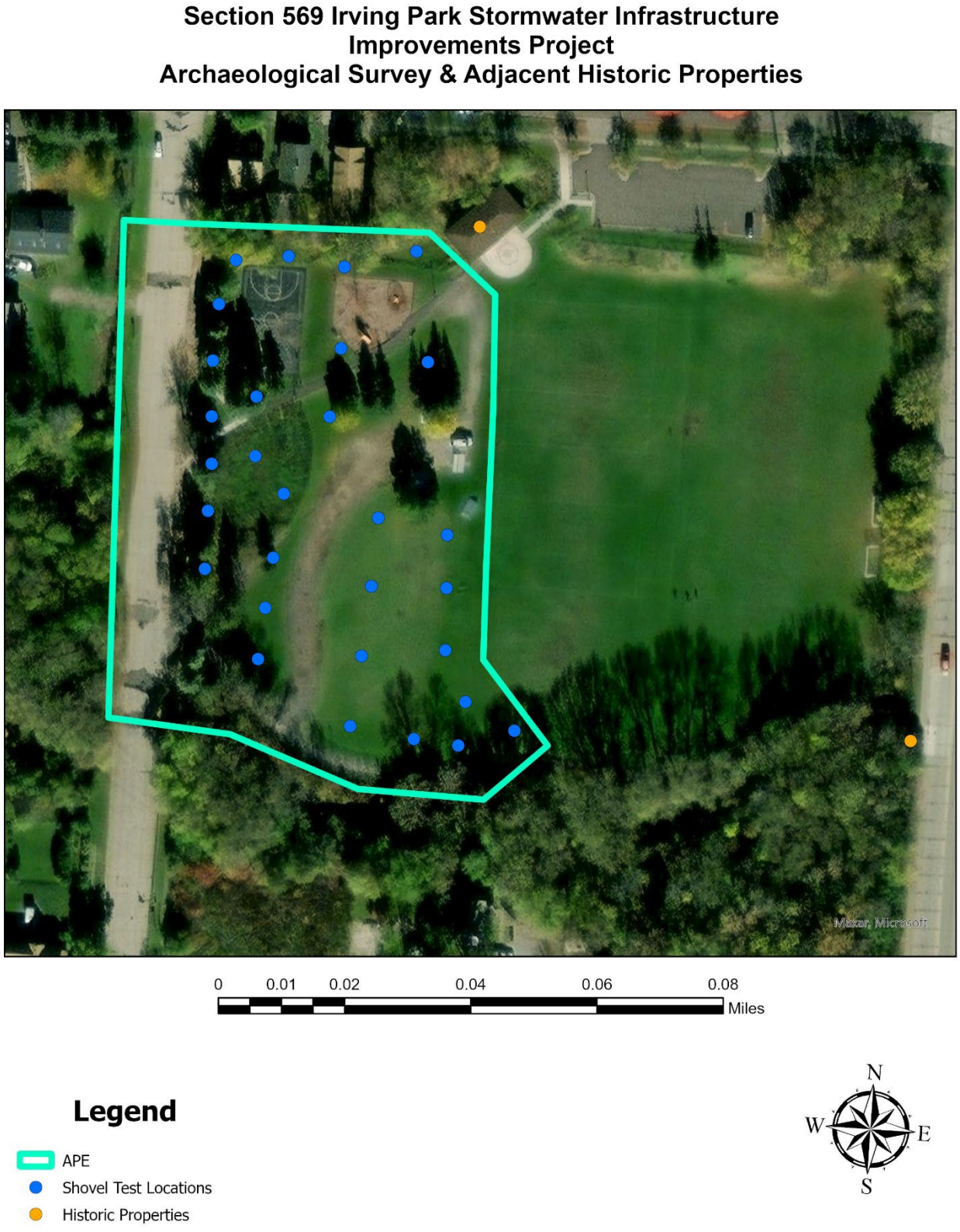

Figure 5: Project APE looking northeast (11/13/24)

Figure 6: Project APE looking southeast (11/13/24)

Figure 7: Project APE looking north (11/14/25)

Figure 8: Shovel Test #4, A and B Horizons with concrete at the base of the pit (11/14/25)

Figure 9: Shovel Test #12, A Horizon, B Horizon, and a B Horizon with gravel (11/14/25)

Figure 10: Shovel Test #20, A Horizon and an M Horizon of asphalt fragments (11/14/25)

Figure 11: Shovel Test #29, A Horizon, M Horizon of gravel, B Horizon, and Ab Horizon (11/14/25)

Figure 12: Shovel Test #9, A Horizon and B Horizon (11/14/25)

Table 1: Shovel Test Pit Log

STP #	Description (Test pits run from south to north in a serpentine pattern beginning in the southwest corner of the project area and ending in the southeast corner. Soil Taxonomy taken from pages 2-2 to 2-5 and 4-1 to 4-6 of: Soil Survey Staff. (2024). Field book for describing and sampling soils, version 4.0. USDA, Natural Resources Conservation Service. U.S. Government Printing Office.	P/N for Cultural Material
1	Surface: manicured grass A Horizon: 7.5 YR 2.5/2 sandy silt with root inclusions, 0-18 cm B Horizon: 7.5 YR 4/6 very compact silty sand, 18-32 cm	Negative
2	Surface: manicured grass A (likely ^A) Horizon: 5 YR 2.5/2 silty sand with root inclusions, 0-10 cm B (likely ^B) Horizon: 2.5 YR 4/4 sand, 10-30 cm Ab Horizon: 7.5 YR 3/4 sandy silt, 30-50 cm Terminated at large stone.	Negative
3	Surface: manicured grass A Horizon: 5 YR 2.5/2 silty sand with root inclusions, 0-12 cm B (likely ^B) Horizon: 2.5 YR 4/4 sand, 12-37 cm B (likely ^B) Horizon: 5 YR 2.5/2 sandy clay with flecks of charcoal, 37-43 cm B (likely ^B) Horizon: 5 YR 4/4 sandy clay, 43-55 cm Terminated at large stone.	Negative
4	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 sandy silt, 0-12 cm B (likely ^B) Horizon: 7.5 YR 3/4 sand, 12-24 cm Terminated at a concrete block. Figure 8	Negative
5	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 clayish loam, 0-10 cm B (likely ^B) Horizon: 5 YR 3/3 loamy clay with 5YR 4/4 clay inclusions, 10-29 cm M Horizon: gravel and concrete fragments, 29-30 cm Terminated at a large concrete fragment.	Negative
6	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 clayish loam, 0-10 cm Terminated at large piece of asphalt.	Negative
7	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 clayish loam, 0-20 cm	Negative

	B (likely ^B) Horizon: 5 YR 3/3 loamy clay with 5YR 4/4 clay inclusions, 20-30 cm M Horizon: gravel and concrete fragments, 30-31 cm Terminated at a large concrete fragment.	
8	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 clayish loam, 0-12 cm B (likely ^B) Horizon: 5 YR 3/3 loamy clay with 5YR 4/4 clay inclusions, 12-22 cm M Horizon: gravel and broken concrete pieces, 30-31 cm Terminated at a large concrete fragment.	Negative
9	Surface: manicured grass A Horizon: 7.5 YR 2.5/2 sandy silt, 0-21 cm B Horizon: 2.5 YR 4/4 clay with stone and root inclusions, 21-25 cm Terminated at a large tree root. Figure 12	Negative
10	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 sandy silt, 0-8 cm B (likely ^B) Horizon: 5 YR 3/3 sandy silt, 8-17 cm ^B Horizon: 2.5 YR 4/4 clay with small asphalt fragment inclusions, 17-22 cm Terminated at a large asphalt fragment.	Negative
11	Surface: manicured grass A (likely ^A) Horizon: 5 YR 3/3 sandy silt, 0-22 cm B (likely ^B) Horizon: 7.5 YR 4/6 sand, 22-36 cm B (likely ^B) Horizon: 2.5 YR 4/4 hard compact clay, 36-38 cm Terminated at large concrete fragment.	Negative
12	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 sandy silt, 0-10 cm ^B Horizon: 7.5 YR 4/4 sandy silt with gravel inclusions, 20-23 cm ^B Horizon: 2.5 YR 4/4 clayish sand with gravel inclusions, 23-28 cm Terminated at a dense gravel deposit. Figure 9	Negative
13	Surface: manicured grass A Horizon: 5 YR 3/3, sandy silt, 0-30 cm BA Horizon: 7.5 YR 4/4 silty sand, 30-36 cm B Horizon: 7.5 YR 3/4 clayish sand, 36-38 cm Terminated at large stone.	Negative
14	Surface: manicured grass A Horizon: 7.5 YR 2.5/2 sandy loam, 0-32 cm BA Horizon: 7.5 YR 4/4 sand, 32-38 cm B Horizon: 7.5 YR 4/4 sandy clay, 38-42 cm Terminated at a cluster of stones.	Negative

15	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 sandy loam, 0-15 cm M Horizon: stone (approximately 2-inch diameter) gravel, 15-16 cm Terminated at a dense gravel deposit.	Negative
16	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 sandy loam, 0-10 cm M Horizon: stone (approximately 2-inch diameter) gravel, 10-12 cm Terminated at a dense gravel deposit.	Negative
17	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 sandy loam, 0-12 cm M Horizon: stone (approximately 2-inch diameter) gravel, 12-16 cm Terminated at a dense gravel deposit.	Negative
18	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 sandy loam, 0-7 cm M Horizon: stone (approximately 2-inch diameter) gravel, 7-10 cm Terminated at a dense gravel deposit.	Negative
19	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 sandy loam, 0-15 cm M Horizon: stone (approximately 2-inch diameter) gravel and asphalt fragments, 15-17 cm Terminated at tree roots.	Negative
20	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 sandy silt, 0-14 cm M Horizon: 7.5 YR 3/4 sand with asphalt fragment inclusions, 14-20 cm Terminated at asphalt fragments. Figure 10	Negative
21	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 sandy silt, 0-12 cm M Horizon: 7.5 YR 3/4 sand with asphalt fragment and gravel inclusions, 12-23 cm Terminated at a dense gravel deposit.	Negative
22	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 sandy silt, 0-10 cm M Horizon: gravel, 10-12 cm Terminated at concrete.	Negative
23	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 sandy silt, 0-13 cm M Horizon: 7.5 YR 3/4 sand with asphalt fragments, 13-25 cm Terminated at a dense gravel deposit.	Negative

24	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 sandy loam, 0-12 cm M Horizon: stone (approximately 2-inch diameter) gravel, 12-14 cm Terminated at a dense gravel deposit.	Negative
25	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 sandy loam, 0-9 cm M Horizon: stone (approximately 2-inch diameter) gravel, 9-12 cm Terminated at a dense gravel deposit.	Negative
26	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 sandy loam, 0-11 cm M Horizon: stone (approximately 2-inch diameter) gravel, 11-14 cm Terminated at a dense gravel deposit.	Negative
27	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 sandy loam, 0-14 cm M Horizon: stone (approximately 2-inch diameter) gravel, 14-16 cm Terminated at a dense gravel deposit.	Negative
28	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 sandy loam, 0-15 cm M Horizon: stone (approximately 2-inch diameter) gravel, 15-16 cm Terminated at a dense gravel deposit.	Negative
29	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 loam, 0-18 cm M Horizon: stone (approximately 2-inch diameter) gravel, 18-21 cm B (likely ^B) Horizon: 5 YR 4/4 clay, 21-27 cm Ab Horizon: 7.5 YR 2.5/2 clayish loam with sandy loam inclusions, 27-40 cm Terminated at tree roots. Figure 11	Negative
30	Surface: manicured grass A (likely ^A) Horizon: 7.5 YR 2.5/2 sandy loam, 0-15 cm B (likely ^B) Horizon: 7.5 YR 3/4 clayish sand with 5 YR 4/4 clayish sand inclusions, 15-25 cm Ab or ^A Horizon: 7.5 YR 2.5/3 sandy loam, 25-51 cm Bb or ^B Horizon: 5 YR 4/4 sandy clay with stone inclusions, 51-70 cm. Terminated because the base of the shovel test was filling with water.	Negative