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**Addendum 1**  
**Solicitation 23-99029**  
**RFP for Engineering Svcs for Irving Park Bio-Filtration Basin**

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

Attached is a revised Appendix B, *Localized Project Location – Irving Park*, which includes a concept drawing of the area.

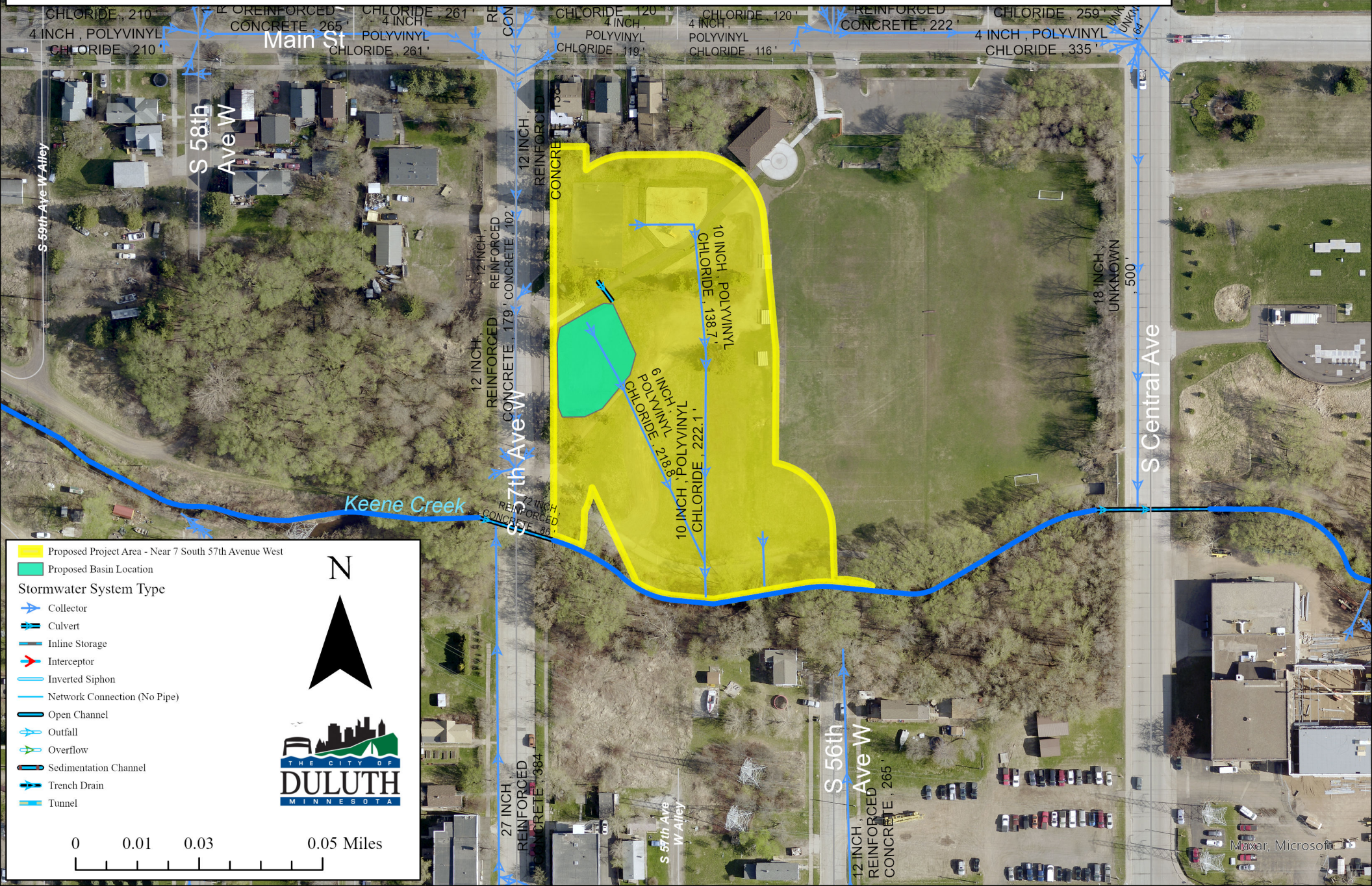
Please acknowledge receipt of this Addendum by including a copy of it with your proposal. The pages included will not count toward any page limitation, if any, identified in the RFP.

Posted: **January 11, 2023**

**APPENDIX B – LOCALIZED PROJECT LOCATION – IRVING PARK  
CITY OF DULUTH  
RFP# 23-99029**



General Work Area of Proposed Biofiltration Basin - As Geospatially Identified (Keene Creek Resiliency Report, p. 14)  
 Application to Great Lakes Sediment and Nutrient Reduction Program  
 Existing Stormwater Conveyance Systems Overlaid  
 Proposed Basin Location Included  
 Near 7 South 57th Avenue West - Irving Park  
 City of Duluth, Minnesota



**Legend**

- Proposed Project Area - Near 7 South 57th Avenue West
- Proposed Basin Location

**Stormwater System Type**

- Collector
- Culvert
- Inline Storage
- Interceptor
- Inverted Siphon
- Network Connection (No Pipe)
- Open Channel
- Outfall
- Overflow
- Sedimentation Channel
- Trench Drain
- Tunnel

**Scale**

0 0.01 0.03 0.05 Miles

**THE CITY OF DULUTH MINNESOTA**





If next down gradient manhole is not shallow enough, then this is next option, considerable more pipe and restoration costs.

Forebay, pretreatment to protect filtration basin, collect sediment and trash. Provide perimeter berm 8" high to provide capture of pollutants.

Determine the manhole depth, can it be diverted to GI. Survey required.

Provide 4" perforated subdrains grid and header as shown. Connect to existing inlet.

Saw cut and remove concrete and restore to match existing road section.

Excavate entire area 24" deep except forebay area, till bottom of basin - native soils to 12" depth, grade to provide flat bottom. Install 12" depth of clean rock, place perf pipe 4" off of bottom of native soils. Cover perf pipe with 4" depth of rock on top of pipe. Raingarden filtration / planting soil mix 12" depth. Provide seed mix and ECB.

Install 70 l.f. of 10" Dia. CPP, match invert of manhole with diverter plate. Extend to GI.

Provide berm on south and east side to provide runoff storage, and to keep water from entering park area. Berm to be 18" higher than basin elevation.

