Purchasing Division
Finance Department

Room 120
411 West First Street
Duluth, Minnesota 55802

218-730-5340
purchasing@duluthmn.gov

Addendum No. 2
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 QUANITIES**
   A. Revise item No 27 - 2506.503 Construct Drainage Structure Design H to a quantity of 7.86 LIN FT.
   B. Revise item No 28 – 2506.503 Construct Drainage Structure Design 4020-48 to a quantity of 9.39 LIN FT.
   C. Add item No 54 – 2575.601 Vegetation Maintenance with a quantity of 1 Lump Sum.
2) **SHEET 3 – TABULATIONS**
   A. Revise Construct Drainage Structure Design 48-4020 for DS-201 and DS-02 and Project Totals.

SPECIFICATIONS

1) **Refer to SP-13.3. Replace with the following:**
   3. Final Completion. ALL work required under this Contract shall be completed on or before July 1, 2026, except for work under the bid item Vegetation Maintenance which shall be completed on October 31, 2028.
2) **Refer to SP-27. Delete section D.**
3) **Add SP-31 (2575) VEGETATION MAINTENANCE**

QUESTIONS:

1) Is the city going to require the 3-year vegetation management?
   A. Yes, vegetation maintenance is required until Fall 2028. A bid item and SP-31 were added to cover this work, which will be paid out one third of the total lump sum payment per year of maintenance.

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2) Are the engineered Soils (biochar, iron enhanced sand, etc.) allowed to be mixed on site?
    A. Yes, the engineered soils will be allowed to be mixed on site.
3) Will the City allow the closure of the Cross City Trail?
    A. No, the Cross City Trail shall remain open. The contractor may propose, construct, and use an alternate entrance location. Such as, removal and reconstruction of existing fencing and construction of a haul road.
4) Can the City include quantities to re-pave a portion of the trail?
    A. No. The Cross City Trail will need to be protected or restored after the construction of the storm basin.
5) Will the City provide construction staking/survey?
    A. No, the City will not provide construction staking/survey.
6) The bid form and the drainage table do not match.
    A. These have been corrected and included in this addendum.

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

Posted: **July 28, 2025**

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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
18		2451.607	FINE FILTER AGGREGATE MOD 2		CU YD	240
19		2502.602	4" PVC PIPE DRAIN CLEANOUT		EACH	15
20		2502.503	4" PERF PVC PIPE DRAIN		LIN FT	895
21		2502.503	8" PVC PIPE DRAIN		LIN FT	181
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
25		2503.602	CONNECT INTO EXISTING MH OR CB		EACH	2
26		2506.502	CASTING ASSEMBLY		EACH	4
27		2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN H		LIN FT	7.86
28		2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 4020-48		LIN FT	9.39
29		2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 1		EACH	1

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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	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
54		2575.601	VEGETATION MAINTENANCE	LS	1

1

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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
REVISION 2 – 07/28/2025

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

SHEET NO. 2 OF 24

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DRAINAGE

STRUC. NO.	NORTHING	EASTING	RIM	UP STREAM INVERT	PIPE NAME	SPEC. 2104			SPEC.	SPEC. 2503		SPEC. 2506						SPEC. 2501				NOTES
						REMOVE PIPE APRON	REMOVE MANHOLE OR CATCH BASIN	REMOVE SEWER PIPE (STORM)	8" PVC PIPE DRAIN	10" PVC PIPE SEWER	12" RC PIPE SEWER DES 3006 CL III	CONNECT TO EXISTING STORM SEWER	CONNECT INTO EXISTING MH OR CB	CONSTRUCT DRAINAGE STRUCTURE DESIGN ① H	48-4020	② SPEC 1	CASTING TYPE	CASTING ASSEMBLY	12" RC PIPE APRON	DRAINS TO STRUC. NO.	DOWN STREAM INVERT	GRADE	
			ELEV	ELEV		EACH	EACH	LIN FT	LIN FT	LIN FT	LIN FT	EACH	EACH	LIN FT	LIN FT	EACH		EACH	EACH		ELEV	%	
CB0220155	3323382.8	4827694.70					1	67														
CB0220156	3323324.8	4827727.48					1	219														
EX APRON	3323405.4	4827722.22				1																
QWS-101	3323387.52	4827647.27	618.1	613.15	P101						25	1				1	STRM-1		1	APR-100	613.00	0.49%	
DS-201	3323409.78	4827719.04	615.50	611.21	P201					120		1	1		4.32		STRM-1	1		CB0220159	609.29	1.60%	
DS-04	3323372.07	4827756.67	614.40	610.50	P4				62					3.93			M-11	1		DS-03	610.50	0.00%	
DS-03	3323313.64	4827738.10	614.40	610.50	P3				119					3.93			M-11	1		DS-02	610.50	0.00%	
DS-02	3323195.95	4827728.11	614.40	609.36	P2						116		1		5.07	1	M-11	1		CB0220140	609.34	0.50%	
PROJECT TOTALS:						1	2	286	181	120	141	2	2	7.86	9.39	1		4	1				

KEY NOTES:

① PAY HEIGHT IS CALCULATED BY RIM - INVERT + 0.7 BASE - CASTING HEIGHT (BASE IS ASSUMED TO BE 0.70')

② CASTING ASSEMBLIES ARE INCINDENTAL FOR STRUCTURE PAID BY THE EACH.

TIE ALL JOINTS (INCINDENTAL)

STANDARD PLATES	
THE FOLLOWING STANDARD PLATES APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION SHALL APPLY ON THIS PROJECT.	
3000M	REINFORCED CONCRETE PIPE (6 SHEETS)
3006H	GASKET JOIN FOR R.C. PIPE (2 SHEETS)
3100G	CONCRETE APRON FOR REINFORCED CONCRETE PIPE
4006L	MANHOLE OR CATCH BASIN PRECAST – DESIGN G AND H
4011E	PRECAST CONCRETE BASE
4020J	MANHOLE OR CATCH BASIN (2 SHEETS)
4143E	STOOL GRATE & CONCRETE FRAME (MEDIAN DRAINS) – CASTING NO. 731
7020K	CONCRETE CURB (DESIGN B)
7038A	DETECTABLE WARNING SURFACE TRUNCATED DOMES
7100H	CONCRETE CURB AND GUTTER (DESIGN B)
8000K	TEMPORARY CHANNELIZERS

REVISION 1 – 07/28/2025

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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

TABULATIONS

SHEET NO. 3 OF 24

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SP-31 (2575) VEGETATION MAINTENANCE

This section includes maintenance of vegetation including trees, plugs and native seeding.

A. Performance Requirements:

1. Temporary Stabilization (Oct 31st 2025):
    i. City approval of erosion and temporary seeding.
    ii. Dormant seeding of specified seed mixtures is allowed, with City approval.
2. Seeding and plug installation (June 2026):
    i. City approval of the completed seeding, tree, and plugs installation.
3. End of First Growing Season (late 2026):
    i. At least 70% vegetative cover (including cover crop), bare spots not exceeding 4 ft by 4 ft, native plant cover at least 25%, with at least 3 planted grass species and 4 planted forb species well-distributed throughout the seeded area.
4. Spring of Second Growing Season (spring 2027):
    i. Replace any dead plugs, trees, or any other vegetation covered under warranty.
5. End of Second Growing Season (late 2027):
    i. At least 80% vegetative cover (including cover crop), bare spots not exceeding 3 ft by 3 ft, native plant cover will be at least 50%, with at least 3 planted grass species and 5 planted forb species well-distributed throughout the seeded area.
6. End of Third Growing Season (late 2028):
    i. Final acceptance: At least 90% vegetative cover over any 10 ft by 10 ft area, bare spots not exceeding 2 ft by 2 ft, native plant cover at least 75%, with at least 4 planted grass species and 6 planted forb species well-distributed throughout the area.

B. Construction Requirements:

Modify the provisions of MnDOT 2571.3.K.1

1. Mow 2 to 3 times (minimum 30 days apart) during 1st year with the mower deck 6.0 - 8.0 inches off the ground.
2. Mow 1 to 2 times during the 2nd year before weeds set their seeds.
3. Burn, hay, or mow/rake once during the 3rd year to remove dead plant material and stimulate new seeds. Contact City for approval before any controlled burns.
4. Water as required.
5. Herbicide spot spray, as needed, to keep invasives under control.
6. Re-seed as necessary to meet the performance requirement.

F. Measurement and Payment:

Measure Vegetation Maintenance by the Lump Sum. Payment will be made under Item 2575.601 (VEGETATION MAINTENANCE) at the contract bid price paid as one third of the contract bid price per year, which shall be compensation in full for all labor, equipment, and materials necessary to complete the work.

- END -