



## Green Solutions Funding Agreement

### **107<sup>th</sup> Street Bioswales**

M03076P31

This Agreement is between the Milwaukee Metropolitan Sewerage District (District), 260 West Seeboth Street, Milwaukee, Wisconsin 53204-1446 and the City of Milwaukee Department of Public Works (Milwaukee), 841 North Broadway, Milwaukee, Wisconsin 53202.

WHEREAS, Wisconsin law authorizes any municipality to establish an intergovernmental cooperation agreement with another municipality for the furnishing of services (Wis. Stat. sec. 66.0301); and

WHEREAS, the District is responsible for collecting and treating wastewater from locally-owned sewerage systems in the District's service area; and

WHEREAS, during wet weather, stormwater enters the sewerage system, increasing the volume of wastewater the District must collect and treat; and

WHEREAS, during wet weather, stormwater directly enters surface water, increasing pollution levels in those waterways and increasing the risk of flooding; and

WHEREAS, green infrastructure, such as constructed wetlands, rain gardens, green roofs, bioswales, and porous pavement, reduces the volume of stormwater in the sewerage system and the amount of pollutants discharged to surface waters; and

WHEREAS, the District's wastewater discharge permit requires the installation of twelve million gallons of new green infrastructure retention capacity before the end of 2017; and

WHEREAS, the District wants to expedite the amount of green infrastructure installed in its service area; and

WHEREAS, Milwaukee plans to install green infrastructure that supports the District's green infrastructure goals;

Now, therefore, for the consideration of the mutual promises made by the parties to this Agreement, the parties agree as follows.

#### **1. Date of Agreement**

This Agreement becomes effective immediately upon signature by both parties and ends when Milwaukee receives final payment from the District or when the parties terminate this Agreement according to sec. 12 of this Agreement.

## **2. District Funding**

The District will reimburse Milwaukee for the cost of the project described in the attached project description (Project), up to \$407,978. The District will provide funding after the District receives the Baseline Report and the Maintenance Covenant.

## **3. Location of the Project**

The Project is along North 107<sup>th</sup> Street, between West Good Hope Road and West Brown Deer Road.

## **4. Baseline Report**

After completion of the Project, Milwaukee will provide a Baseline Report using forms provided or approved by the District. The Baseline Report will include:

- (a) a site drawing, showing the Project as completed;
- (b) design specifications for the Project, including rainwater capture capacity (maximum per storm) and other information regarding runoff rate reduction or pollutant capture;
- (c) a legal description of the property where the Project is located;
- (d) photographs of the completed Project;
- (e) a maintenance plan;
- (f) an outreach and education strategy, including a description of events or activities completed or planned;
- (g) an itemization of all construction costs, with supporting documentation;
- (h) a W-9 Tax Identification Number form;
- (i) a Small, Veterans, Women, and Minority Business Enterprise Report; and
- (j) an Economic Impact Report, showing the total number of people and the estimated number of hours worked on design and construction of the Project by Milwaukee's employees, contractors, consultants, and volunteers.

## **5. Procedure for Payment**

Milwaukee will submit an invoice to the District for the amount to be reimbursed. The invoice will document all costs to be reimbursed. Invoices from consultants will provide: their hourly billing rates, if applicable; the hours worked, by individual; and a summary of the tasks accomplished.

Milwaukee will send the Baseline Report and the invoice to:

Thomas Chapman, P.E.  
Section Manager - Watercourse  
Milwaukee Metropolitan Sewerage District  
260 West Seeboth Street  
Milwaukee, WI 53204 – 1446

The District will not provide reimbursement until the Project is complete and the District has received all required deliverables.

## **6. Changes in the Project and Modifications to the Agreement**

Any changes to the Project must be approved by the District in writing in advance. The District will not reimburse for work that is not described in the original project description unless Milwaukee obtains prior written approval from the District.

## **7. Modifications to this Agreement**

Any modifications to this Agreement will be in writing and signed by both parties.

## **8. Project Maintenance**

Milwaukee will maintain the Project for at least ten years. If the Project fails to perform as anticipated or if maintaining the Project is not feasible, then Milwaukee will provide a report to the District explaining the failure of the Project or why maintenance is not feasible. Failure to maintain the Project will make Milwaukee ineligible for future District funding until Milwaukee corrects the maintenance problems.

## **9. Permits, Certificates, and Licenses**

The Milwaukee is solely responsible for compliance with all federal, state, and local laws and any required permits, certificates, or licenses.

## **10. Public Bidding**

Milwaukee must select professional service providers according to Milwaukee's ordinances and policies. Milwaukee must procure all non-professional services, such as construction, sewer inspection, and post-construction restoration, according to State of Wisconsin statutes and regulations and Milwaukee's ordinances and policies. Whenever work valued over \$25,000 is procured without the use of a public sealed bidding process, the District may request and Milwaukee must provide an opinion from a licensed attorney representing Milwaukee explaining why the procurement complies with State of Wisconsin law and Milwaukee's ordinances.

## **11. Responsibility for Work, Insurance, and Indemnification**

Milwaukee is solely responsible for planning, design, construction and maintenance of the Project, including the selection of and payment for consultants, contractors, and materials.

Milwaukee is solely responsible for ensuring compliance with Wisconsin prevailing wage law.

The District will not provide any insurance coverage of any kind for the Project or the Milwaukee.

Milwaukee will defend, indemnify, and hold harmless the District and its Commissioners, employees, and agents against any and all damages, costs, liability, and expenses, including attorney's fees and related disbursements, arising from or connected with the planning, design, construction, operation, or maintenance of the Project.

## **12. Terminating this Agreement**

The District may terminate this Agreement at any time before the commencement of construction. After the commencement of construction, the District may terminate this Agreement only for good cause, including, but not limited to, breach of this Agreement by Milwaukee. Milwaukee may terminate this Agreement at any time, but will not receive any payment from the District if Milwaukee does not complete the Project.

**13. Maintenance Covenant**

After the completion of construction, the District must receive a Maintenance Covenant from Milwaukee. The Maintenance Covenant will be limited to the Project. The term of the Maintenance Covenant will be ten years. Milwaukee will cooperate with the District to prepare the Maintenance Covenant.

**14. Exclusive Agreement**

This Agreement is the entire agreement between Milwaukee and the District.

**15. Severability**

If a court holds any part of this Agreement unenforceable, then the remainder of the Agreement will continue in effect.

**16. Applicable Law**

The laws of the State of Wisconsin apply to this Agreement.

**17. Resolving Disputes**

If a dispute arises under this Agreement, then the parties will try to resolve the dispute with the help of a mutually agreed-upon mediator in Milwaukee County. The parties will equally share the costs and fees associated with the mediation, other than attorney’s fees. If the dispute is not resolved within 30 days after it is referred to the mediator, then either party may take the matter to court.

**18. Notices**

All notices and other communications in connection with this Agreement will be in writing and will be considered given as follows:

- when delivered personally to the recipient's address as stated on this Agreement; or
- three days after being deposited in the United States mail, with postage prepaid to the recipient's address as stated on this Agreement.

**19. Independence of the Parties**

This Agreement does not create a partnership. The Milwaukee does not have authority to make promises binding upon the District or otherwise have authority to enter into contracts on the District's behalf.

**20. Assignment**

Milwaukee may not assign any rights or obligations under this Agreement without the District's prior written approval.

**21. Public Records**

Milwaukee will produce any records in the possession of the Milwaukee that are subject to disclosure by the District pursuant to the State of Wisconsin’s Open Records Law, Wis. Stats. secs. 19.31 to 19.39. Milwaukee will indemnify the District against any and all claims, demands, or causes of action resulting from Milwaukee’s failure to comply with this requirement.

**Signatures on Next Page**

**MILWAUKEE METROPOLITAN  
SEWERAGE DISTRICT**

**CITY OF MILWAUKEE  
DEPARTMENT OF PUBLIC WORKS**

By: \_\_\_\_\_

Kevin L. Shafer, P.E.  
Executive Director

By: \_\_\_\_\_

Ghassan Korban, P.E.  
Commissioner

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Approved as to Form

By: \_\_\_\_\_

Attorney for the District

## Green Solutions Funding Agreement

### **107<sup>th</sup> Street Bioswales**

M03076P31

#### **Project Description**

Milwaukee will install 27 bioswales in the medians and in the terrace areas (behind the curbs) along North 107<sup>th</sup> Street between West Good Hope Road and West Brown Deer Road. Milwaukee will construct 15,000 sq. ft. of bioswales within project limits. The bioswales will have multiple components that all work together to reduce runoff volume and remove pollutants.

The bioswales will have 1½ foot deep engineered soil composed of 70/30 ratio of sand to compost over a 4-inch strip of bedding layer. A storage area will be 2-feet deep and made of 1-inch clean washed stone. Storm water runoff from the road will enter the bioswales through storm drain inlets (see attached bioswale detail) that will be placed a few feet upstream of inlet catch basins to divert the storm water from the gutters into the bioswale. A minimum of 6-inches of ponding surface will be available at each bioswale. The bioswales will be landscaped with native plants.

At the top of the storage layer, a 6-inch diameter perforated underdrain will remove excess stormwater to the storm sewer system. Six-inch diameter overflow structures will be constructed and connected to the perforated underdrains, which will be connected to and discharge into the existing inlets. Six-inch diameter cleanouts will be installed on each bioswale to clean the perforated underdrains.

Educational signs at various locations will explain the functions and benefits of the bioswales and identify funding from the District.

#### Schedule

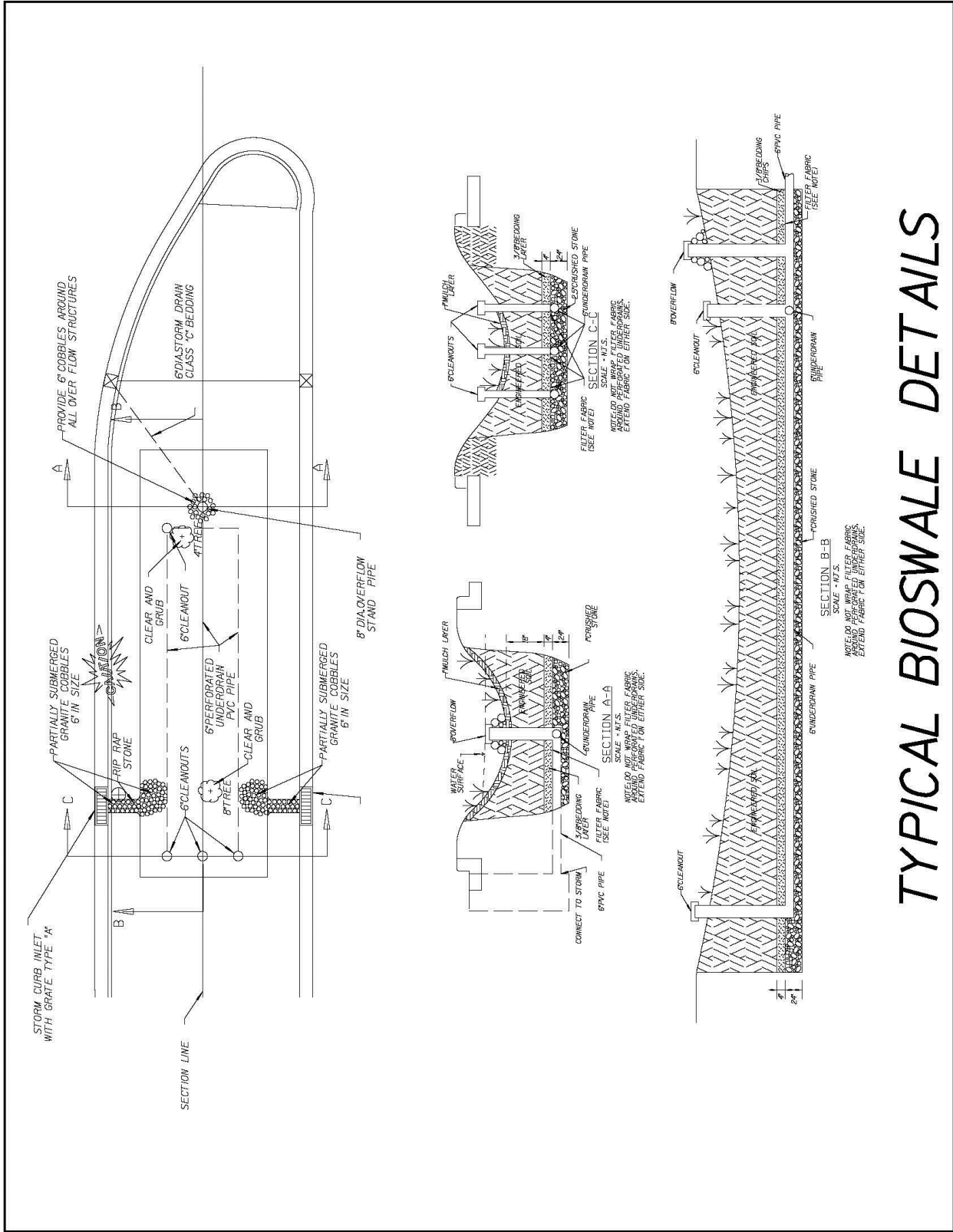
Milwaukee award the project before December 31, 2015, and will complete construction before December 31, 2016.

#### Anticipated Results

The Project will reduce peak flows in the storm sewers in the project area. Approximately 100,000 gallons will be captured within the storage layer and removed from the storm sewer system. Milwaukee will monitor the bioswales to study their capture efficiency and maintenance needs. It is anticipated that the bioswales, which are approximately 10% of the tributary area, will remove at least 80% of total suspended solids.

Estimated Construction Costs

<b>QUANT.</b>	<b>UNIT</b>	<b>ITEM</b>	<b>UNIT PRICE</b>	<b>TOTAL</b>
27	EACH	STORM CURB INLET WITH GRATE TYPE A	\$2,933	\$79,191
1	LUMP SUM	BARRICADING	\$3,700	\$3,700
1	LUMP SUM	EROSION CONTROL	\$2,367	\$2,367
84	SQ. YDS.	6" GRANITE COBBLES	\$86	\$7,224
174	EACH	PAVEMENT DOWELS	\$14	\$2,436
280	LIN. FT.	CONCRETE CURB AND GUTTER	\$52	\$14,560
1,511	LIN. FT.	6" DIA PERFORATED STORM UNDERDRAIN PVC PIPE	\$37	\$55,907
83	EACH	6" DIA CLEANOUT	\$130	\$10,790
331	LIN. FT.	6" DIA STORM WATER DRAIN CLASS "C" BEDDING	\$104	\$34,424
878	CU. YDS.	ENGINEERED SOIL	\$163	\$143,114
1,573	CU. YDS.	1" CRUSHED STONE	\$39	\$61,347
3,921	CU. YDS.	EXCAVATION AND OFFSITE DISPOSAL	\$22	\$86,262
2,353	SQ. YDS.	FILTER FABRIC	\$3	\$7,059
27	EACH	8" DIA OVERFLOW STAND PIPE W/GRATE	\$650	\$17,550
274	CU. YDS.	3/8" BEDDING CHIPS	\$27	\$7,398
326	LIN. FT.	6" DIA STORM WATER DRAIN	\$60	\$19,560
5	EACH	INFORMATIONAL SIGN	\$233	\$1,165
3000	EACH	PLANTS	\$18.15	\$54,450
1	LUMP SUM	PLANTS MAINTENANCE AND WARRANTY	\$20,667	\$20,667
<b>CONSTRUCTION TOTAL</b>				<b>\$ 629,000</b>



# TYPICAL BIOSWALE DETAILS