

**AGREEMENT between the
LAKE COUNTY STORMWATER MANAGEMENT COMMISSION
and the GRANDWOOD PARK PARK DISTRICT for the
GRANDWOOD PARK LAKE DAM RENOVATION**

This is an agreement by and between the LAKE COUNTY STORMWATER MANAGEMENT COMMISSION (herein referred to as **SMC**), 500 West Winchester Road, Libertyville, Illinois 60048 and the Grandwood Park Park District, (herein referred to as **GPPD**), c/o Ms. Leslie Cassidy, Park District Manager, Grandwood Park Park District, 36630 N Hutchins Rd, Gurnee, IL 60031.

PURPOSE

The County continues to experience significant flood related damage during extreme or extended rainfall events. As part of the Mill Creek Watershed 'Plan', the site-specific action plan calls out the Grandwood Park Lake Dam restoration as a Critical Area Action with 'High Priority'. The Grandwood Park Lake Dam was studied and determined that a replacement spillway would mitigate shoreline erosion in proximity to the spillway and emergency overflow path, and with an enhanced energy dissipation design, will greatly reduce downstream channel erosion, which is currently resulting in large areas of bank failure and loss of private properties. Flood damage areas documented in the Plan, will also mitigated by implementing the improvement and reducing flood heights caused by the current spillway restriction and frequent blockage. Hardening of the dam structure will also provide a higher level of protection for County owned infrastructure in the downstream floodway (road, sewer and water).

SCOPE OF WORK

The GPPD shall rehabilitate the existing dam to be in compliance with and ultimately to receive an IDNR Dam Safety permit. The Project is located in Lake Park, within Grandwood Park, IL and is located on property owner by the GPPD.

The GPPD agrees to:

1. Design and Specifications - The GPPD shall prepare engineering design plans and specifications (Design) for the construction of the Dam. The Design shall provide a detailed design including standards and specifications, maintenance, erosion control, demolition and restoration of disturbed areas. The Design shall meet the current requirements of the Illinois Department of Natural Resources Construction. The Design must be certified by a registered professional engineer.
2. Permits and Landowner Agreements - The GPPD shall secure all necessary permits prior to the implementation of the Design developed and approved under Item 1 of this Agreement.
3. Operation and Maintenance Plan - The GPPD shall develop an Operation and Maintenance Plan (O & M Plan) in accordance with IDNR Dam Safety Permitting.
4. Construction - The GPPD, or its Assigns, shall construct the approved Design. The GPPD, or its Assigns, will notify SMC prior to the start of construction and will participate in a pre-construction

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meeting including any required permitting agencies and the SMC project manager and environmental inspector.

The GPPD, or its Assigns, shall complete the installation and construction of the dam by June 1st, 2019. Photographic documentation of Design implementation (before, during and after photos) shall be completed and submitted by the GPPD to the SMC.

5. Project IDNR Dam Safety Permit and As-built Plans – The GPPD is required to forward a copy of the final permit, once obtained, from a post-construction inspection by IDNR. The approved, ‘as-built’ plan is also to be forwarded to SMC.
6. Project Coordination and Inspections – The GPPD, or its Assigns, shall be available for Project coordination and progress briefings. The dates and locations of these briefings will be specified by SMC in consultation with the GPPD during the course of the Project. SMC will provide regular feedback by way of construction inspection reports during active construction days.

COMPENSATION

Through this Agreement, SMC agrees to provide up to one hundred fifty-seven thousand dollars (\$157,000) of funding to the GPPD for the *Grandwood Park Lake Dam Renovation (Project)* as a reimbursement of Project costs following implementation of the Project.

Reimbursement will be provided upon successful completion and SMC approval of the following Project elements:

- completion and approval of the Project design and specifications,
- successful implementation of the Project in conformance with the approved design plan and specifications;
- submission of a final Project report including photo documentation; and
- receipt of evidence of expenditure of funds based on contractor invoices as agreed upon in the proposal and budget, or in a revised budget or schedule accepted by both parties to this Agreement.

In accordance with the Scope of Work and the Project Budget included as Attachment A, the GPPD shall provide; Initial Construction Services, Final Construction Engineering, and the amount of final construction costs in excess of the SMC contribution in matching funds of cash or approved in-kind services or materials.

The GPPD shall provide dated vendor invoices for all cash expenditures and cost documentation for all in-kind services and materials to SMC for review, approval and reimbursement. Reimbursement will be made upon SMC approval of invoices.

TERMS AND CONDITIONS

1. SMC authorization and financial support for this project is conditioned on the GPPD’s compliance with all applicable federal, state and local statutes and regulations.
2. All adjustments, additions and/or deletions to this Agreement are subject to the written approval of SMC.

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3. All adjustments, amendments, additions and/or deletions to the approved design plans are subject to the written approval of both parties.
4. The GPPD, SMC retain the right to cite, quote, circulate, and reprint all documents and other materials produced under this Agreement.
5. This Agreement shall be governed by and construed according to the laws of the State of Illinois.
14. This Agreement supersedes any and all other agreements, oral or written, between the parties hereto with respect to the subject matter hereof.

GPPD: Ms. Leslie Cassidy, GPPD Manager
Grandwood Park Park District
36630 N. Hutchins Road
Gurnee, IL 60031
Phone: 847-356-0008

SMC: Michael Warner, Director
LCSMC
500 W. Winchester Road
Libertyville, IL 60048
Phone: 847-377-7700

SMC and the GPPD (or their successors, agents, assignees or transferees) agree with the terms and conditions of this agreement.

Leslie Cassidy, Park District Manager
Grandwood Park Park District

Date

Michael Warner, Executive Director
Lake County Stormwater Management Commission

Date

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Attachment A: Project Budget

Grandwood Park Lake Dam Rehabilitation		
Preliminary Engineering, Alternative and Structural Analysis (M Squared)		\$18,210
Emergency Management, Permitting and Value Engineering (McClure)		\$30,000
Emergency Repair		\$24,000
Initial Construction Services	SUB TOTAL	\$72,210
Final Design (15% Construction Cost)		\$29,790
Construction Management (7.5% Construction Cost)		\$14,895
Final Construction Engineering	SUB TOTAL	\$44,685
DEMOLITION		\$15,000
EXCAVATION		\$15,000
TREE REMOVAL		\$10,000
CONCRETE		\$46,000
RESTORATION		\$10,000
RIP RAP		\$25,000
BRIDGE		\$44,500
Contingency (20%)		\$33,100
Construction*	SUB TOTAL	\$198,600
PROJECT TOTAL*		\$315,500

*Construction cost estimate based on preliminary engineer's opinion of probable cost.