

ENGINEERING CERTIFICATIONS

Watershed Management Permit No. **16-025**

CERTIFICATE BY DESIGN ENGINEER: I hereby certify that the project described herein has been designed in accordance with the requirements set forth in this application and all applicable ordinances, rules, regulations, local, state and federal laws, and design criteria of the issuing authority; that the storm drainage and sanitary sewer system designed for this project are proper and adequate; that where the design involves one or more connections to an existing local sewer system, the capacity of said system has been examined and the system is found to be adequate to transport the stormwater and/or wastewater that will be added through the proposed sewer without violating any provisions of the Illinois Environmental Protection Act or the rules and regulations thereunder.

Comments, if any: _____

Engineering Firm: Pearson, Brown & Associates, Inc. **Telephone:** (847) 367-6707

Address: 1850 W. Winchester Rd. - Suite 205 **City:** Libertyville **Zip:** 60048

Signature: *J. M. Associate* **Date:** 11/2/15

(Name and Title)

CERTIFICATE BY MUNICIPAL OR SYSTEM ENGINEER: The application and the drawings, together with other data being submitted with this application, have been examined by me and are found to be in compliance with all applicable requirements. The manner of drainage is satisfactory and proper in accordance with all state and local requirements, including but not limited to the Watershed Management Ordinance. The existing local sewer system to which the project discharges has been examined and the system is found to be adequate to transport the stormwater and/or wastewater that will be added through the proposed sewer without violating any provisions of the Illinois Environmental Protection Act or the rules and regulations thereunder.

I hereby certify that the project area is within the municipal corporate limits. YES NO

Owner of Local Sewer System: Mission Brook Sanitary District *****

Municipal Engineer: Baxter & Woodman **Telephone:** (815) 459-1260

Address: 6628 Ridgefield Rd. **City:** Crystal Lake **Zip:** 60012

Signature: *S. M. Manager* **Date:** 11/5/15

(Name and Title)

CERTIFICATE BY INSPECTION ENGINEER: I hereby certify that construction of the project will be in substantial compliance with the data and the plans submitted with this application; that approval will be obtained from the issuing authority prior to making any changes that would affect capacity, maintenance, design requirements, service area or the Permit requirements; that a set of RECORD drawings, signed and sealed by the undersigned Engineer will be furnished to the District or an Authorized Municipality before testing and approval by the District or Authorized Municipality of the completed work.

Engineering Firm: Pearson, Brown & Associates, Inc. **Telephone:** (847) 367-6707

Address: 1850 W. Winchester Rd. - Suite 205 **City:** Libertyville **Zip:** 60048

Signature: *J. M. Associate* **Date:** 11/2/15

(Name and Title)

This form is designed for a municipality that has jurisdiction over storm water, sanitary sewer, and potable water. The multiple, little governments in unincorporated Cook County make it very easy to circumvent the purpose of official review and approvals. Mission Brook Sanitary District does NOT have jurisdiction over storm water. Northfield Township DOES have storm water jurisdiction and testified against allowing Red Seal's development at the Cook County 1215 Board meeting due to the flash-flooding in the area. It is likely to be exacerbated with the removal of hundreds of trees and loss of most of 44 acres of permeable land.

SPECIAL CONDITIONS

Watershed Management Permit N

16-025

This Permit is issued subject to the General Conditions and the attached Special Conditions.

If Permit is granted:

Please return two (2) copies of the Permit to the Permittee; or

Please mail one (1) copy to Permittee and one (1) copy to the person designated below:

OFFICE COPY

Name: _____

Address: _____

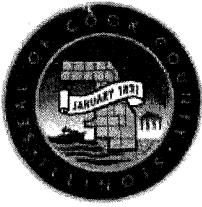
CERTIFICATE BY APPLICANTS: We have read and thoroughly understand the conditions and requirements of this Permit application, and agree to conform to the Permit conditions and other applicable requirements of the District. It is understood that construction hereunder, after the Permit is granted, shall constitute acceptance by the applicants of any Special Conditions that may be placed hereon by the District or an Authorized Municipality. It is further understood that this application shall not constitute a Permit until it is approved, signed and returned by the Director of Engineering of the District or Enforcement Officer of an Authorized Municipality.

PERMITTEE		CO-PERMITTEE	
The project area is within municipal corporate limits.		(Co-Permittee is Property Owner)	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable		Title to property is held in a land trust: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
*****		If yes, Co-Permittee shall be beneficiary with Power of Direction	
Municipality <u>Mission Brook Sanitary District</u>		Owner <u>RSD MISSION HILLS, LLC</u>	
Address <u>3505 Cornflower Trail</u>		Address <u>425 Huehl Road</u>	
City <u>Northbrook</u> Zip <u>60062</u>		City <u>Northbrook</u> Zip <u>60062</u>	
Signature <u>Robert Blackstone</u>		Signature <u>Todd Fishbein</u>	
Name <u>Robert Blackstone</u> (Print)		Name <u>Todd Fishbein</u> (Print)	
Title <u>Superintendent</u>		Title <u>President/CEO of its manager</u>	
Date <u>11/16/15</u> Phone <u>(847) 272-2956</u>		Date <u>10-19-15</u> Phone <u>(847) 272-5600</u>	

REVIEW AND APPROVAL BY THE DISTRICT OR AUTHORIZED MUNICIPALITY		
Reviewed by: <u>Anna Schlu</u> (Local Sewer Systems) or (Professional Engineer)	Date	<u>6/17/2016</u>
Approved for Issue <u>David M. Schlu</u>		
Approved by: <u>David M. Schlu</u> (For the Director of Engineering) or (Enforcement Officer)	Date	<u>6/17/2016</u>

A neighbor called the Cook County sheriff on July 20, 2016. This is the permit that Red Seal showed the sheriff as authorization for their excavation work to install the 42" storm water sewers.

Some of the work is on private property owned by the clubhouse and not within the Cook County right of way.



DEPARTMENT OF BUILDING AND ZONING
TIMOTHY P. BLEUHER
COMMISSIONER
69 W WASHINGTON SUITE 2830 • Chicago, IL 60602 • (312)603-0504

TONI PRECKWINKLE
PRESIDENT
Cook County Board
of Commissioners

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TIMOTHY O. SCHNEIDER
15th District

JEFFREY R. TOBOLSKI
16th District

SEAN MORRISON
17th District

16 FEB-2 AM 11:15

M.W.R.D.
OF G.R.T. CHGO.

Permit No.
16-025

January 29, 2016

Mr. Daniel Feltes, P.E., CFM
Principal Civil Engineer
Metropolitan Water Reclamation District
100 East Erie Street
Chicago, IL 60611

RE: Permit # 15-1717

Dear Mr. Feltes,

A request has been made that the Cook County Building and Zoning Department sign the MWRD permit for the Provenance project, known as permit #15-1717. Pursuant to the Section 301(1)(B) of the Watershed Management Ordinance, **please accept this letter as our submission in writing that the Cook County Building and Zoning Department declines to sign as permittee. The County does not own sewers or maintain the system involved in this project and is concerned merely with the drainage system along Techny and Sanders Roads.**

Thank you for your time and attention in this matter. Should you require anything further, please contact me at your convenience at my contact information below.

Respectfully submitted,

Timothy P. Bleuher
Department of Building and Zoning
69 W. Washington, Suite 2830
Chicago, IL 60602
312-603-0504
tim.bleuher@cookcountylil.gov

Cc: Justine Skawski, P.E.
Principal Civil Engineer

John Murray, P.E.
Supervising Civil Engineer

Mission Brook Sanitary District does NOT own or maintain them, either. Yet, MWRD and then Commissioner Bleuher accepted Mission Brook's signature for Special Conditions that allow no permittee. Northfield Township DID NOT decline in writing.

MWRD issued this permit with full, documented knowledge of all of the Township's flooding concerns and the removal of the Township's signature on permit forms and the Plat of Subdivision.

SPECIAL CONDITIONS FOR MWRD PERMIT NO 16-025

1. Construction must conform to the soil erosion and sediment control requirements of this permit (Schedule P) and other local and state agencies as necessary. This permit is issued with the condition that a copy of the IEPA ILR10 permit shall be submitted when it becomes available.
2. This permit is issued in reliance upon the Notice of Watershed Management Permit Requirements and Obligations of Perpetual Maintenance and Operations (Schedule R) submitted by the owner, and said Notice is made a part of this permit. Said Notice shall be recorded with the Cook County Recorder of Deeds and a copy of the recorded documents shall be submitted by the owner to the MWRD prior to the approval of the Request for Final Inspection.
3. **This permit is issued according to the provision of Section 301.1.B(2), without a permittee for stormwater**, and a copy of the permit including Schedule R and Exhibit R shall be recorded with Cook County Recorder of Deeds at the expense of the Co-Permittee.
4. This permit is issued subject to the site runoff requirements of the WMO and the drainage certification submitted by the design engineer. **The development shall not adversely increase flood elevations or decrease flood conveyance capacity upstream or downstream of the area under the ownership or control of the co-permittee.**
5. **Adequate conveyance and capacity must be maintained for potential overland overflow**, as shown on Sheet B, Sheet 20 and Sheet 21 of the plans throughout construction activity and maintained in perpetuity.
6. This permit is issued subject to the **volume control requirements of the WMO**. The volume control facilities shown on the plans and the associated maintenance plan are made a part of this permit. The volume control is provided by South, Center and North basin fore-bay zones, as shown on the volume control exhibits Sheets A and C.
7. The stormwater detention facilities shown on the plans are made a part of this permit. Construction of these facilities shall proceed prior to or concurrently with other construction on the project and shall be completed before any occupancy occurs. **The detention is provided by a series of interconnected ponds.**
8. The **stormwater detention facilities** shown on the plans are made a part of this permit. Construction of these facilities shall proceed prior to or concurrently with other construction on the project and shall be completed before any occupancy occurs. The proposed detention and two (2) restrictors under this permit are shown as below:

Facility	Restrictor Size (in inches)	Inverts	Edge Type
South pond	5.5-inch upper 8-inch lower	656.49 659.90	Sharp/square (Cd = 0.61)
North/Central Pond	3-inch	677.00	Sharp/square (Cd = 0.61)

The interconnected storm water pond system within Mission Hills operates under 1971 & 1972 MWRD permits. Most of the system is now under U S Army Corps of Engineers' jurisdiction. The system connects to tributaries of the state and federal waters of the Des Plaines River, a short distance from Mission Hills.

SPECIAL CONDITIONS FOR MWRD PERMIT NO 16-025

9. The stormwater detention facility and calculations proposed under this permit supersedes in part the stormwater detention facility covered by MWRD Permit No. 72-920. **The stormwater detention facility of MWRD Permit No. 72-920 shall not be eliminated until construction of the proposed stormwater detention facility and the associated storm sewer system is complete.** Volume must be maintained throughout the construction project in accordance with the detention phasing plan shown on construction sequence Sheet B.
10. The **Permittee/Co-Permittee** does hereby acknowledge, that the off-site tributary area(s)/flow(s) permitted under MWRD Permit 72-920 as shown on the plans shall remain tributary to the southwest detention facility. **Provenance Homeowner's Association shall accept the tributary flows and assume all onsite maintenance for onsite detention facilities, offsite areas as previously approved under MWRD Permit 72-920 and in accordance with the letter dated April 14, 2016.**
11. The **stormwater detention facility** under this permit shall be maintained and operated in perpetuity by the Permittee/Co-Permittee so that the required stormwater detention volume and restricted outflow rate are provided at all times. **The stormwater detention facility cannot be modified, adjusted, relocated, removed, or abandoned without written permission from the Director of Engineering of the MWRD.**
12. Construction must conform to the wetland requirements of this permit and the requirements of the U.S. Army Corps of Engineers and all conditions. The U.S. Army Corps of Engineers **jurisdictional wetlands must** be protected and conserved according to the jurisdictional determination, as shown on Sheet 23.
13. The **42-inch offsite storm sewer** which routes within the Cook County right-of-way shall be maintained by Provenance Homeowner's Association.
14. **This permit is issued contingent upon approval from The Cook County Highway Department.** A copy of the permit shall be submitted within ninety (90) days from the issuance of this permit.
15. **The issuance of this permit does not grant authority to the Permittee/Co-Permittee to discharge stormwater onto property owned by others.** The Permittee/Co-Permittee assumes any and all liability for any claims and/or damages that may arise as a result of the stormwater discharge. The issuance of this permit does not relieve the Permittee/Co-Permittee from making proper notices to or obtaining proper authorization from off-site property owner(s), as may be necessary.
16. **The issuance of this permit does not grant authority to the Permittee/Co-Permittee to enter upon and/or construct sewers, structures, or facilities/systems on property owned by others.** The Permittee/Co-Permittee assumes any and all liability for any claims and/or damages that may arise as a result of said activities. The issuance of this permit does not relieve the Permittee/Co-Permittee from making proper notices to or obtaining proper authorization/easements from off-site property owner(s), as may be necessary.

Who is the permittee in #10 because #3 states it's issued with no permittee?

"Someone" maneuvered around Northfield Township's objections to the development due to the massive flash flooding issues in this area. Now that Red Seal removed hundreds of trees and wants to remove almost 44 acres of permeable land, what will happen? This states that Red Seal, and ultimately Provenance homeowners, will be liable. Everyone passes the buck.

SPECIAL CONDITIONS FOR MWRD PERMIT NO 16-025

17. Air relief valves shall be provided at all high points on the force main. Thrust blocks shall be placed at all changes in horizontal or vertical alignment of the force main. Blow off valves shall be provided, as necessary, at sag points on the force main.
18. The lift station under this permit is designed and shall be operated so that only one pump is in operation at a time. The second pump will serve as a backup to be placed in operation only when the first pump is not in service/operation. Simultaneous operation of both pumps is prohibited. The design or operation of the pumps shall not be modified without written permission from the Director of Engineering of the MWRD.
19. The Permittee/Co-Permittee shall provide MWRD personnel unrestricted access to the lift-station under this permit for random, unannounced inspection and testing, and shall provide lift station flow monitoring data upon request.
20. All non-residential buildings connecting into this sanitary system require separate MWRD permits.

How can Mission Brook Sanitary District sign the permits for storm water when Northfield Township has storm water jurisdiction?

Mission Brook only has jurisdiction over sanitary and potable water lines.

It's very slick. Mission Brook Sanitary District also signed off on the Special Conditions permit, which someone must think allows the permits to be issued. **HOWEVER**, the Township did NOT refuse in writing, so the Special Conditions were not met, as required in the ordinance:

MWRD Watershed Management Ordinance: 301.1B (2) "For parcels located in unincorporated areas, the co-permittee(s) must sign the permit and the permittee (township) is requested to sign the permit. If the permittee refuses to sign the Watershed Management Permit, IT MUST DO SO IN WRITING, and the co-permittee must comply with the following requirements;

(1) For projects which include qualified sanitary sewer work, the watershed management permit may be issued under a sole permittee status, and must demonstrate all of the following:

(a) Evidence of responsibility, as determined by the District's Board of Commissioners;

(b) The facilities to be served are for the sole and exclusive use of the property owner, and no sewer extension is contemplated for other private users;

(c) The area to be served is outside the jurisdiction of any local sanitary district or public utility company certified for such service;

d) Compliance with the administrative requirement as outlined in the TGM.

(2) For projects that do not include qualified sewer construction, the Watershed Management Permit may be issued without a permittee and without sole permittee status, and must be recorded with Cook County Recorder of Deeds according to §309.

There is **NO** evidence that the Township objected in writing, as required.