

Oakwood Beach Beach House

4101 S. Lake Shore Drive



Building Features

- 2,750 Square Feet
- Men's & Women's Restrooms
- Family Restroom
- Life Guard Office with Lockers, Restroom & Shower
- Concession Space
- Bike Racks
- 2 Security Cameras

Project Development Information

- Architect of Record: Muller + Muller
- General Contractor: Pacific Construction Services
- Original Contract Value: \$1,542,936.00

Economic Sustainability Program

- Residency Labor Requirements: Min. 50% of Project Labor
- Bid incentives for the employment of Women, Minorities and Apprentices
- Local Subcontractor Requirements
- MBE Business Commitment: 26.67%
- WBE Business Commitment: 22.15%

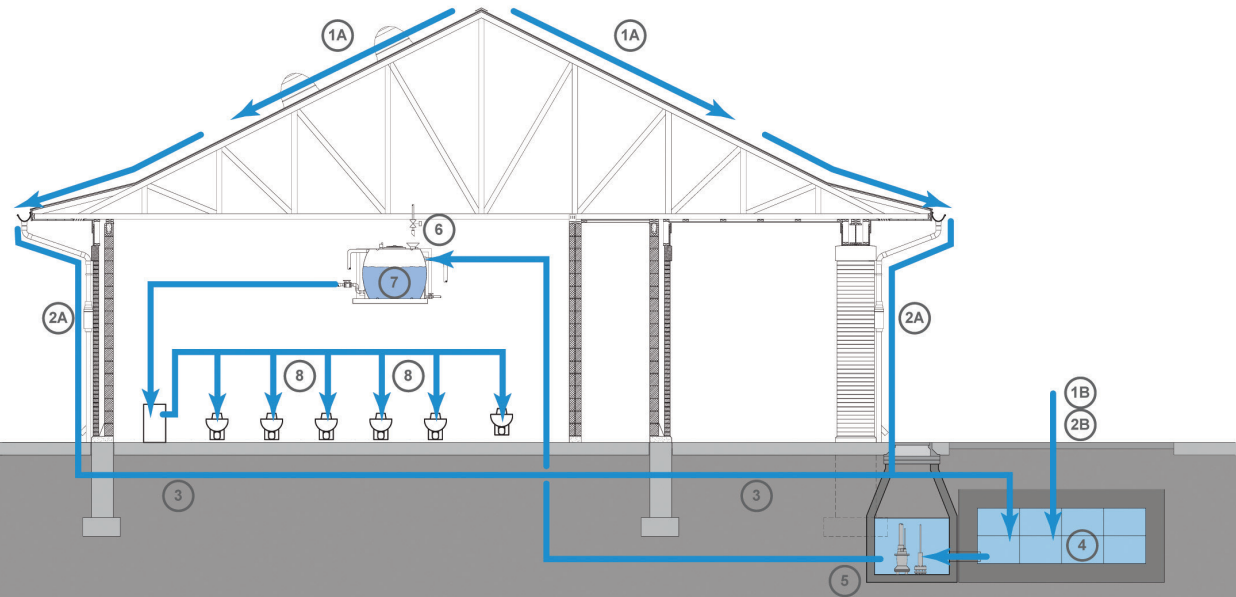
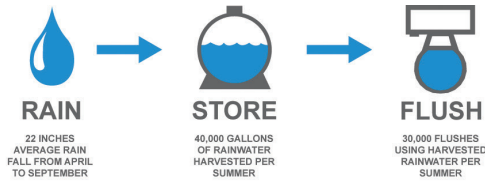
Environmental Sustainability Features

- Pervious concrete, combined with a rainwater harvesting system, results in no run off of rainwater to the combined sewer system
- The rainwater harvesting system provides water for flush fixtures. Along with water efficient plumbing fixtures, this system helps reduce potable water use by well over 50% for exemplary water efficiency (See reverse side for illustration)
- Natural ventilation reduces energy used to condition the building's interior, while providing excellent indoor air quality
- Daylighting through tubular skylights reduces the need for electrical lighting. Lighting controls on motion sensors to shut off when no one is using the bathrooms
- Native and adaptive landscaping requires little or no water to thrive, and contributes to the continuity of wildlife habitat along the lakefront
- Light colored paving keeps the building and surrounding site cooler in the summer
- This building is constructed of durable and regional materials. At least 20% recycled content materials. 20% of the materials were produced within 500 miles of the project



- 1A RAIN IS COLLECTED ON ROOF
- 1B RAIN IS COLLECTED AT GRADE THROUGH PERMEABLE PAVEMENT
- 2A RAINWATER IS FILTERED WITH VORTEX IN-LINE DOWNSPOUT FILTER
- 2B RAINWATER IS FILTERED THROUGH SAND, SEDIMENTS, AND GEOTEXTILE FABRIC
- 3 RAINWATER IS GRAVITY-FED TO THE UNDERGROUND STORAGE
- 4 RAINWATER IS STORED IN THE 2000 GALLON ATLANTIS UNDERGROUND STORAGE SYSTEM

- 5 RAINWATER IS PUMPED VIA SUMP PUMP INTO THE BUILDING
- 6 RAINWATER IS STORED IN A 125 GALLON DAY TANK FOR USE IN THE BUILDING
- 7 RAINWATER IS STERILIZED OF 99.5% OF PATHOGENS WHILE IN THE TANK TO BECOME NEARLY-POTABLE
- 8 NEARLY-POTABLE WATER SUPPLIES THE FLUSHING OF TOILETS AND URINALS IN THE PUBLIC REST ROOMS FOR AN ESTIMATED 30,000 FLUSHES PER YEAR



RAINWATER HARVESTING
CITY OF CHICAGO • CHICAGO PARK DISTRICT