Project Location
Plan View - Restoration

Westwood Hills Nature Center
Stormwater Feature - 50% Design

Existing Topography and Building Linework Provided by HGA

Construction Limits

Existing Trees

Seed By Others

Proposed Tamarack Tree (Typ.)

Ferns and Sedges

VRSS on North Edge

Forbs and Sedges

Bog

Proposed Alder Tree (Typ.)

Forbs and Sedges

Seed By Others

By Others

July 11, 2018
Pumps and Upper Pool

STONE ACCESS STEPS (TYPICAL)

WALK CROSSING
INV=897.5
INV=897.4

STEEP ROCKY CHANNEL FROM PUMPS TO WALK CROSSING

CONCRETE PAD WITH
1 SOLAR PUMP AND 4 HAND POWERED PUMPS
SOLAR PANELS ABOVE PUMPS
PAD ELEV=898.0
Walk Crossing and Flow into Pool
Upper Channel

- **Schematic Plan by HGA**

- **Upper Pool Overflow Structure**
  - Bottom = 894.5
  - Overflow = 895.5

- **Stone Access Steps (Typical)**

- **Walk Crossing**
  - INV = 897.5
  - INV = 897.4

- **Steep Rocky Channel from Pumps to Walk Crossing**

- **Concrete Pad with 1 Solar Pump and 4 Hand Powered Pumps**
  - Solar panels above pumps
  - Pad ELEV = 898.0
Channel Section

- 6" of river rock
- Stone steps
- 24" to 36" boulders in random pattern, half buried
- Herbaceous plugs
- Shrub
- VRSS topsoil
- Native soil

As shown

(Section: Channel)
Rooftop Bog at MCAD in Minneapolis
Rooftop Bog at MCAD in Minneapolis
Rooftop Bog at MCAD in Minneapolis
Sand Filter and Biofiltration Basin

CB OVERFLOW
RIM=893.0
12" INV=899.5
4" DRAIN TILE INV=889.6

EX, LOW POINT
892.4, FROP. 893.4

VALVE: SHUT WHEN PUMPS AND SYSTEM IS OPERATING, OPEN DURING WINTER MONTHS, AND TO DRAIN SYSTEM FOR MAINTENANCE.
ADA Walk Crossing
questions
Profile of Pools, Channels, and Sand Filter
Plan View - Restoration

Westwood Hills Nature Center Linear Stormwater Feature - 50% Design
Existing Topography and Building Linework Provided by HGA

July 11, 2018
Existing WHNC Building (plan by HGA)
Proposed Outdoor Classroom (plan by HGA)