

Project Review:

SC2000-16

CSAH 61: reconstruction of Hemlock Ln

Project Location:

MAP:

15

Maple Grove Plymouth

Hemlock Ln, Bass Lake Rd to 73rd

4 ponds & 1 wetland - see plan

Inlet (s):

Pond A2 & Wetland A1 - *The as-built condition of Pond A2 and Wetland A1 does not correspond to the design drawings that the Watershed possesses.*

The eastern inlet is stabilized with riprap. Debris has collected within the trash rack of the flared end section. Maintenance should include removal of the debris.

The western inlet is stabilized with riprap and is clear of debris. The western stabilized spillway is in good condition and is clear of debris.

Pond B - *Corner of Hemlock & Northeast Boulevard*

The inlet is submerged or obscured by vegetation. Maintenance should include identifying the inlet and verifying it is stabilized and clear of debris.

Pond C - *Corner of Hemlock Land & East Fish Lake Road*

There are two inlets. They are both stabilized with riprap. They do have some debris in the bottom of the trash racks. Maintenance should include removal of the sediment from the inlet trash racks.

Pond E - *Intersection of Eagle Lake Boulevard & County Highway 61*

The inlet is stabilized with riprap and clear of debris.

Outlet(s):

Pond A2 & Wetland A1 - *The as-built condition of Pond A2 and Wetland A1 does not correspond to the design drawings that the Watershed possesses.*

The pond outlet is clear of debris and skimming is provided. The control structure discharges to an existing channel then to a small creek. There is evidence of severe erosion on the channel banks. The banks are bare earth and are approximately 3 to 4.5 feet high and nearly vertical with areas that are overhanging. Maintenance should include stabilizing the channel banks and lying them back at 3:1 (H:V). The channel outlet to the existing stream is clear of debris and skimming is not provided. There is no flow control and there is evidence of severe erosion. The depth is approximately 4 to 6 inches.

Pond B - *Corner of Hemlock & Northeast Boulevard*

The outfall pond clear of debris and skimming is provided.

Pond C - *Corner of Hemlock & East Fish Lake Road*

The outfall is clear of debris and skimming is provided.

Pond E - *Intersection of Eagle Lake Boulevard & County Highway 61*

The outfall is clear of debris and skimming is provided.

Basin(s):

Pond A2 & Wetland A1 - *The as-built condition of Pond A2 and Wetland A1 does not correspond to the design drawings that the Watershed possesses.*

Permanent pools are provided with average depth of approximately 3 to 4 feet. The side slopes are vegetated.

Pond B - *Corner of Hemlock & Northeast Boulevard*

A permanent pool is provided and the estimated depth is approximately 3 to 5 feet. Side slopes are vegetated with grass and weeds. No maintenance required on the basin.

Pond C - *Corner of Hemlock & East Fish Lake Road*

A permanent pool is provided and the estimated depth is approximately 3 to 4.5 feet. Side slopes are vegetated with grass and weeds. No maintenance required on the basin.

Pond E - *Intersection of Eagle Lake Boulevard & County Highway 61*

A permanent pool is provided. The depth is approximately 4 to 5 feet.

Inspection Date: October 11, 2004

Comments: Remove debris and sediment from the inlet trash racks. Stabilize the channel banks and re-slope at 3:1 (H:V).

