DETENTION BASIN INSPECTION FORM
CITY of NOVI STORMWATER STUDY
0163-06-0601

Outlet Structure
Location: ______________________________ Digital Photo ID: ____________________________
Diameter: 3 ft Height: __________ concrete
Flow Control: 10 Yr 100 Yr Other: ___________________________
Treatment Control: None First Flush Bankfull Other: ___________________________
Orifice Info: # of Holes: __________ Size: ______ Location: ___________________________
Discharges to: enclosed pipe
Outlet Structure Condition: [ ] Good [ ] Satisfactory [ ] Poor [ ] Other: ___________________________
Maintenance Required: ___________________________

Secondary Overflow
Digital Photo ID: __________________________
Type: EMBANKMENT RISER OTHER: ___________________________
Secondary Overflow Condition: Good Satisfactory Poor Other: ___________________________
Maintenance Required: ___________________________

Bank Condition
1 Location: North South East West Digital Photo ID: __________________________
Vegetative Cover: ________ % Condition: Good Satisfactory Poor
Bank Erosion: Yes No Size of Erosion Area: __________________________
Apparent Cause of Erosion: __________________________
Bank Sideslope: 1:1 2:1 3:1 4:1 5:1 OTHER: __________________________
Maintenance Required: __________________________
2 Location: North South East West Digital Photo ID: __________________________
Vegetative Cover: ________ % Condition: Good Satisfactory Poor
Bank Erosion: Yes No Size of Erosion Area: __________________________
Apparent Cause of Erosion: __________________________
Bank Sideslope: 1:1 2:1 3:1 4:1 5:1 OTHER: __________________________
Maintenance Required: __________________________
3 Location: North South East West Digital Photo ID: __________________________
Vegetative Cover: ________ % Condition: Good Satisfactory Poor
Bank Erosion: Yes No Size of Erosion Area: __________________________
Apparent Cause of Erosion: __________________________
Bank Sideslope: 1:1 2:1 3:1 4:1 5:1 OTHER: __________________________
Maintenance Required: __________________________
DETENTION BASIN INSPECTION FORM
CITY of NOVI STORMWATER STUDY
0163-06-0601

Location: North South East West
Digital Photo ID: ____________________

Vegetative Cover: ___ % Condition: Good Satisfactory Poor

Bank Erosion: Yes No Size of Erosion Area: ____________________

Apparent Cause of Erosion: ____________________

Bank Sideslope: 1:1 2:1 3:1 4:1 5:1 OTHER: ____________________

Maintenance Required: ____________________

Bottom Conditions

Depth of Sediment: few inches
Vegetation: on north banks

Debris: muck buildup probably from leaves/grass

Maintenance Required: ____________________

Water Surface

Turbid

Color: brown Oil/Grease Sheen: ____________________

Debris: none Vegetation: along banks (north)

Maintenance Required: ____________________

General Comments:

Residents on south side mowing to edge.
Water visible only a few inches down.
Treating w/ chelated copper & copper sulfate to keep weeds down. Was treated on 8/9/06. Permit visible.
Shouldn’t be treating in line basins? 8/4/06
Muck around edges from leaves/ grass probably.
Looks like water is flowing in both directions??

Orchard, Hiltz McClinton, Inc.
**Location Description:** Near 11 Mile behind historic home

**OHM Inspector:** ET & RC

**ECT Inspector:** AV

**Date:** 8-8-06

**Time:** 9:45 am

**Temperature:**

**BASIN INFORMATION**

**Type of Basin:**
- [ ] Wet
- [ ] Dry
- [X] Retention Only
- [X] Wetland/Marsh

**Inlet Pipe #1**

- **Location:**
- **Size:** __________ inches
- **Material:** Concrete
- **Inlet Pipe Condition:**
  - [ ] Good
  - [ ] Satisfactory
  - [ ] Poor
  - [X] Other: __________
- **Evidence of Sediment Deposition:**
  - [ ] Yes
  - [ ] No
- **Evidence of Illicit Discharge:**
  - [ ] Yes
  - [ ] No
- **Maintenance Req'd:**
  - [ ] Bank Stabilization
  - [ ] Sediment Clean Out
  - [ ] Vegetation Clean Out
- **Digital Photo ID:**
- **Description:**

**Inlet Pipe #2**

- **Location:**
- **Size:** __________ inches
- **Material:** Concrete
- **Inlet Pipe Condition:**
  - [ ] Good
  - [ ] Satisfactory
  - [ ] Poor
  - [X] Other: __________
- **Evidence of Sediment Deposition:**
  - [ ] Yes
  - [ ] No
- **Evidence of Illicit Discharge:**
  - [ ] Yes
  - [ ] No
- **Maintenance Req'd:**
  - [ ] Bank Stabilization
  - [ ] Sediment Clean Out
  - [ ] Vegetation Clean Out
- **Digital Photo ID:**
- **Description:**

**Inlet Pipe #3**

- **Location:**
- **Size:** __________ inches
- **Material:** Concrete
- **Inlet Pipe Condition:**
  - [ ] Good
  - [ ] Satisfactory
  - [ ] Poor
  - [X] Other: __________
- **Evidence of Sediment Deposition:**
  - [ ] Yes
  - [ ] No
- **Evidence of Illicit Discharge:**
  - [ ] Yes
  - [ ] No
- **Maintenance Req'd:**
  - [ ] Bank Stabilization
  - [ ] Sediment Clean Out
  - [ ] Vegetation Clean Out
- **Digital Photo ID:**
- **Description:**

**Describe Maintenance Needs:**
**Outlet Structure**

Location: ________________________________  
Digital Photo ID: 21-24  
25 - looking for weir excavation site

Diameter: ________  Height: ________

Flow Control: 10 Yr  100 Yr  Other: __________________________

Treatment Control: None  First Flush  Bankfull  Other: __________________________

Orifice Info: # of Holes: ________  Size: ________  Location: __________________________

Discharges to: Leavenworth

Outlet Structure Condition: Good  Satisfactory  Poor  Other: __________________________

Maintenance Required: first flush basin needs to be dredged & sides expanded

**Secondary Overflow**

Digital Photo ID: __________________________

Type: EMBANKMENT  RISER  OTHER: __________________________

Secondary Overflow Condition: Good  Satisfactory  Poor  Other: __________________________

Maintenance Required: __________________________

**Bank Condition**

1 Location: North  South  East  West  Digital Photo ID: __________________________

Vegetative Cover: ________ %  Condition: Good  Satisfactory  Poor

Bank Erosion: Yes  No  Size of Erosion Area: __________________________

Apparent Cause of Erosion: __________________________

Bank Sideslope: 1:1  2:1  3:1  4:1  5:1  OTHER: __________________________

Maintenance Required: __________________________

2 Location: North  South  East  West  Digital Photo ID: __________________________

Vegetative Cover: ________ %  Condition: Good  Satisfactory  Poor

Bank Erosion: Yes  No  Size of Erosion Area: __________________________

Apparent Cause of Erosion: __________________________

Bank Sideslope: 1:1  2:1  3:1  4:1  5:1  OTHER: __________________________

Maintenance Required: __________________________

3 Location: North  South  East  West  Digital Photo ID: __________________________

Vegetative Cover: ________ %  Condition: Good  Satisfactory  Poor

Bank Erosion: Yes  No  Size of Erosion Area: __________________________

Apparent Cause of Erosion: __________________________

Bank Sideslope: 1:1  2:1  3:1  4:1  5:1  OTHER: __________________________

Maintenance Required: __________________________
Sedimentation basin upstream

No sedimentation problems visible

Purple loosestrife in wetland areas - no recommendation to remove

Grates have potential for debris - none visible

White pines in mitigation area should be moved uphill. Ash in mitigation area are dying.
**Location Description:**
Lexington Green

**Type of Development:** Residential  Commercial  Industrial  Other

**Plans?**
- Yes
- No

**Site Accessible?**
- Yes from road
- Yes but beware
- No

**Current Weather Conditions?**
Sunny

---

### BASIN INFORMATION

**Type of Basin:**
- Wet
- Dry
- Retention Only
- Wetland/Marsh

**Inlet Pipe #1**

- **Location:**
- **Size:** inches
- **Material:** Concrete
- **Inlet Pipe Condition:**
- **Evidence of Sediment Deposition:**
- **Evidence of Illicit Discharge:**
- **Maintenance Reqd.:**
  - Bank Stabilization
  - Sediment Clean Out
  - Vegetation Clean Out
- **Description:**
- **Digital Photo ID:**

**Inlet Pipe #2**

- **Location:**
- **Size:** inches
- **Material:** Concrete
- **Inlet Pipe Condition:**
- **Evidence of Sediment Deposition:**
- **Evidence of Illicit Discharge:**
- **Maintenance Reqd.:**
  - Bank Stabilization
  - Sediment Clean Out
  - Vegetation Clean Out
- **Description:**
- **Digital Photo ID:**

**Inlet Pipe #3**

- **Location:**
- **Size:** inches
- **Material:** Concrete
- **Inlet Pipe Condition:**
- **Evidence of Sediment Deposition:**
- **Evidence of Illicit Discharge:**
- **Maintenance Reqd.:**
  - Bank Stabilization
  - Sediment Clean Out
  - Vegetation Clean Out
- **Description:**
- **Digital Photo ID:**

---

**OHM Inspector:**
ET & RC

**ECT Inspector:**
AV

**Date:** 8-8-06

**Time:** 11:30
Outlet

Structure
Location: ___________________________ Digital Photo ID: _________________

Diameter: ________ Height: ____________

Flow Control: 10 Yr 100 Yr Other: _______________________

Treatment Control: None First Flush Bankfull Other: _______________________

Orifice Info: # of Holes: __________ Size: ________ Location: _______________________

Discharges to: ___________________________________________

Outlet Structure Condition: Good Satisfactory Poor Other: _______________________

Maintenance Required: _____________________________

Secondary Overflow

Digital Photo ID: _______________________

Type: EMBANKMENT RISER OTHER: _______________________

Secondary Overflow Condition: Good Satisfactory Poor Other: _______________________

Maintenance Required: _____________________________

Bank Condition

1 Location: North South East West Digital Photo ID: _________________

Vegetative Cover: ________ % Condition: Good Satisfactory Poor

Bank Erosion: Yes No Size of Erosion Area: _______________________

Apparent Cause of Erosion: _______________________________________

Bank Sideslope: 1:1 2:1 3:1 4:1 5:1 OTHER: _______________________

Maintenance Required: _____________________________

2 Location: North South East West Digital Photo ID: _________________

Vegetative Cover: ________ % Condition: Good Satisfactory Poor

Bank Erosion: Yes No Size of Erosion Area: _______________________

Apparent Cause of Erosion: _______________________________________

Bank Sideslope: 1:1 2:1 3:1 4:1 5:1 OTHER: _______________________

Maintenance Required: _____________________________

3 Location: North South East West Digital Photo ID: _________________

Vegetative Cover: ________ % Condition: Good Satisfactory Poor

Bank Erosion: Yes No Size of Erosion Area: _______________________

Apparent Cause of Erosion: _______________________________________

Bank Sideslope: 1:1 2:1 3:1 4:1 5:1 OTHER: _______________________

Maintenance Required: _____________________________
DETECTION BASIN INSPECTION FORM  
CITY of NOVI STORMWATER STUDY  
0163-06-0601  

<table>
<thead>
<tr>
<th>Location:</th>
<th>North</th>
<th>South</th>
<th>East</th>
<th>West</th>
<th>Digital Photo ID:</th>
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</thead>
<tbody>
<tr>
<td>Vegetative Cover:</td>
<td>%</td>
<td>Condition:</td>
<td>Good</td>
<td>Satisfactory</td>
<td>Poor</td>
</tr>
<tr>
<td>Bank Erosion:</td>
<td>Yes</td>
<td>No</td>
<td>Size of Erosion Area:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Apparent Cause of Erosion:  

Bank Sideslope:  | 1:1 | 2:1 | 3:1 | 4:1 | 5:1 | OTHER: |

Maintenance Required:  

Bottom Conditions  

Digital Photo ID:  

Depth of Sediment: inches - not a problem  
Vegetation: heavy  
Debris: none  
Maintenance Required: none  

Water Surface  

Digital Photo ID:  

Color: clear  
Oil/Grease Sheen: none  
Debris: none  
Vegetation: highly veg  
Maintenance Required:  

General Comments:  

topo will be hard to get - very vegetated  
only spend 1-2 hrs here (sunny)  
dead ash trees in forested area - probably in about 2 yrs will fall. Can just leave. Also have elm, maple, & cottonwood  
grass near outlet structure should not be cut adjacent to stream at least 5 feet.
**DETENTION BASIN INSPECTION FORM**
**CITY of NOVI STORMWATER STUDY**
2013-06-06-001

<table>
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<th>Location Description:</th>
<th>OHM Inspector: ET</th>
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</thead>
<tbody>
<tr>
<td>Basin Name: Meadowbrook Glens</td>
<td>ECT Inspector: AV</td>
</tr>
</tbody>
</table>

**Type of Development:** Residential ☐ Commercial ☐ Industrial ☐ Other ☐

**Plans?**
- [ ] Yes
- [ ] No

**Site Accessible?**
- [ ] Yes
- [ ] No

**Current Weather Conditions?** Sunny

---

### BASIN INFORMATION

**Type of Basin:**
- [ ] Wet
- [ ] Dry
- [ ] Retention Only
- [ ] Marsh
- Wetland

**Inlet Pipe #1**

<table>
<thead>
<tr>
<th>Location:</th>
<th>Digital Photo ID:</th>
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</table>

**Size:** 10 - 12 inches

<table>
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<tr>
<th>Material:</th>
<th>Concrete Plastic CMP Other:</th>
</tr>
</thead>
</table>

**Inlet Pipe Condition:**
- [ ] Good
- [ ] Satisfactory
- [ ] Poor
- [ ] Other:

**Evidence of Sediment Deposition:**
- [ ] Yes
- [ ] No

**Evidence of Illicit Discharge:**
- [ ] Yes
- [ ] No

**Maintenance Reqd:**
- [ ] Bank Stabilization
- [ ] Sediment Clean Out
- [ ] Vegetation Clean Out
- [ ] Inlet/Outlet Repair
- [ ] None

**Describe Maintenance Needs:**
- Pipe crushed from top & has muck in bottom limiting capacity may cause backups

---

**Inlet Pipe #2**

<table>
<thead>
<tr>
<th>Location:</th>
<th>Digital Photo ID:</th>
</tr>
</thead>
</table>

**Size:**

<table>
<thead>
<tr>
<th>Material:</th>
<th>Concrete Plastic CMP Other:</th>
</tr>
</thead>
</table>

**Inlet Pipe Condition:**
- [ ] Good
- [ ] Satisfactory
- [ ] Poor
- [ ] Other:

**Evidence of Sediment Deposition:**
- [ ] Yes
- [ ] No

**Evidence of Illicit Discharge:**
- [ ] Yes
- [ ] No

**Maintenance Reqd:**
- [ ] Bank Stabilization
- [ ] Sediment Clean Out
- [ ] Vegetation Clean Out
- [ ] Inlet/Outlet Repair
- [ ] None

**Describe Maintenance Needs:**

---

**Inlet Pipe #3**

<table>
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<tr>
<th>Location:</th>
<th>Digital Photo ID:</th>
</tr>
</thead>
</table>

**Size:**

<table>
<thead>
<tr>
<th>Material:</th>
<th>Concrete Plastic CMP Other:</th>
</tr>
</thead>
</table>

**Inlet Pipe Condition:**
- [ ] Good
- [ ] Satisfactory
- [ ] Poor
- [ ] Other:

**Evidence of Sediment Deposition:**
- [ ] Yes
- [ ] No

**Evidence of Illicit Discharge:**
- [ ] Yes
- [ ] No

**Maintenance Reqd:**
- [ ] Bank Stabilization
- [ ] Sediment Clean Out
- [ ] Vegetation Clean Out
- [ ] Inlet/Outlet Repair
- [ ] None

**Describe Maintenance Needs:**

---

*Orchard, Hiltz McClinton, Inc.*

ECT, Inc.
<table>
<thead>
<tr>
<th><strong>Outlet Structure</strong></th>
<th><strong>Digital Photo ID:</strong></th>
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<tbody>
<tr>
<td>Location:</td>
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<tr>
<td>Diameter:</td>
<td></td>
</tr>
<tr>
<td>Height:</td>
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<tr>
<td>Flow Control:</td>
<td>10 Yr 100 Yr Other:</td>
</tr>
<tr>
<td>Treatment Control:</td>
<td>None First Flush Bankfull Other:</td>
</tr>
<tr>
<td>Orifice Info:</td>
<td># of Holes: Size: Location:</td>
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<tr>
<td>Discharges to:</td>
<td></td>
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<tr>
<td>Outlet Structure Condition: Good Satisfactory Poor Other:</td>
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<tr>
<td>Maintenance Required:</td>
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<th><strong>Secondary Overflow</strong></th>
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<tr>
<td>Type:</td>
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<tr>
<td>EMBANKMENT</td>
<td>RISER</td>
</tr>
<tr>
<td>OTHER:</td>
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<td>Secondary Overflow Condition: Good Satisfactory Poor Other:</td>
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<td>Maintenance Required:</td>
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<th><strong>Bank Condition</strong></th>
<th><strong>Digital Photo ID:</strong></th>
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<tbody>
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<td>North South East West</td>
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<tr>
<td>Vegetative Cover:</td>
<td>%</td>
</tr>
<tr>
<td>Condition:</td>
<td>Good Satisfactory Poor</td>
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<tr>
<td>Bank Erosion:</td>
<td>Yes No</td>
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<tr>
<td>Size of Erosion Area:</td>
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<td>Apparent Cause of Erosion:</td>
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<tr>
<td>Bank Sideslope:</td>
<td>1:1 2:1 3:1 4:1 5:1 OTHER:</td>
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<td>Maintenance Required:</td>
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<td>Location:</td>
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<td>Bank Sideslope:</td>
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<td>Bank Sideslope:</td>
<td>1:1 2:1 3:1 4:1 5:1 OTHER:</td>
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<td>Maintenance Required:</td>
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Detention Basin Inspection Form
City of Novi Stormwater Study

Location: North South East West
Vegetation Cover: %
Condition: Good Satisfactory Poor
Bank Erosion: Yes No
Size of Erosion Area:

Apparent Cause of Erosion:

Bank Sideslope: 1:1 2:1 3:1 4:1 5:1 OTHER:

Maintenance Required:

Bottom Conditions

Depth of Sediment:
Vegetation: heavy wetland

Debris: Some wood thrown in channel

Maintenance Required:

Water Surface

no standing water in pond

Color: clear in ds channel Oil/Grease Sheen:

Debris: Sitting water
Vegetation: heavy wetland

Maintenance Required:

General Comments:

Very Stable, no erosion
Heavy wetland vegetation = basically looks like giant wetland
ds channel - no erosion, heavily veg w/ wetland veg
no signs of sedimentation

Could not find outlet

Heavy wetland veg
no erosion

Resident cut

~100 ft.

houses

Could not find inlet stream

Heavy Veg Wetland
DETENTION BASIN INSPECTION FORM  
CITY of NOVI STORMWATER STUDY  
0163-06-0601

Location  
Description:  

Basin Name: Taft Road  

Type of Development:  
Residential  
Commercial  
Industrial  
Other  

Plans?  
☐ Yes  
☐ No  

Site Accessible?  
☒ Yes  
☐ No  

Current Weather Conditions?  
Sunny  

OHM Inspector:  
ET & RC  

ECT Inspector:  
AV  

Date:  
8-8-06  

Time:  
10:40 am  

Temperature:  

BASIN INFORMATION  
Type of Basin:  
☐ Wet  
☐ Dry  
☐ Retention Only  
☒ Wetland/ Marsh  

Inlet Pipe #1  
Location:  
(see drawing)  

Size:  
32 inches  

Material:  
Concrete  

Inlet Pipe Condition:  
Good  
Satisfactory  
☒ Poor  
Other:  

Evidence of Sediment Deposition:  
☐ Yes  
☒ No  

Depth:  

Evidence of Illicit Discharge:  
☐ Yes  
☒ No  

Description:  

Maintenance Req'd:  
Bank Stabilization  
☐ Sediment Clean Out  
☐ Vegetation Clean Out  
☐ Inlet/Outlet Repair  
☐ None  

Describe Maintenance Needs:  
bottom is eroded (under pipe)  

Inlet Pipe #2  
Location:  

Size:  

Material:  
Concrete  

Inlet Pipe Condition:  
Good  
Satisfactory  
Poor  
Other:  

Evidence of Sediment Deposition:  
☐ Yes  
☐ No  

Depth:  

Evidence of Illicit Discharge:  
☐ Yes  
☐ No  

Description:  

Maintenance Req'd:  
Bank Stabilization  
☐ Sediment Clean Out  
☐ Vegetation Clean Out  
☐ Inlet/Outlet Repair  
☐ None  

Describe Maintenance Needs:  

Inlet Pipe #3  
Location:  

Size:  

Material:  
Concrete  

Inlet Pipe Condition:  
Good  
Satisfactory  
Poor  
Other:  

Evidence of Sediment Deposition:  
☐ Yes  
☐ No  

Depth:  

Evidence of Illicit Discharge:  
☐ Yes  
☐ No  

Description:  

Maintenance Req'd:  
Bank Stabilization  
☐ Sediment Clean Out  
☐ Vegetation Clean Out  
☐ Inlet/Outlet Repair  
☐ None  

Describe Maintenance Needs:  

Orchard, Hiltz McCliment, Inc.  

ECT, Inc.  
det_basin_form.xls  

1 of 3
### Detention Basin Inspection Form

**Location:**

- **Digital Photo ID:**

**Diameter:**

- **Height:**

**Flow Control:**

- 10 Yr
- 100 Yr
- Other:

**Treatment Control:**

- None
- First Flush
- Bankfull
- Other:

**Orifice Info:**

- # of Holes:
- Size:
- Location:

**Discharges to:**

**Outlet Structure Condition:**

- Good
- Satisfactory
- Poor
- Other:

**Maintenance Required:**

---

### Secondary Overflow

**Digital Photo ID:**

**Type:**

- EMBANKMENT
- RISER
- OTHER:

**Secondary Overflow Condition:**

- Good
- Satisfactory
- Poor
- Other:

**Maintenance Required:**

---

### Bank Condition

<table>
<thead>
<tr>
<th>Location</th>
<th>North</th>
<th>South</th>
<th>East</th>
<th>West</th>
<th>Digital Photo ID:</th>
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<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

**Vegetative Cover:**

- %

**Condition:**

- Good
- Satisfactory
- Poor

**Bank Erosion:**

- Yes
- No

**Size of Erosion Area:**

**Apparent Cause of Erosion:**

**Bank Sideslope:**

- 1:1
- 2:1
- 3:1
- 4:1
- 5:1
- OTHER:

**Maintenance Required:**

---

<table>
<thead>
<tr>
<th>Location</th>
<th>North</th>
<th>South</th>
<th>East</th>
<th>West</th>
<th>Digital Photo ID:</th>
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<tr>
<td>2</td>
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</table>

**Vegetative Cover:**

- %

**Condition:**

- Good
- Satisfactory
- Poor

**Bank Erosion:**

- Yes
- No

**Size of Erosion Area:**

**Apparent Cause of Erosion:**

**Bank Sideslope:**

- 1:1
- 2:1
- 3:1
- 4:1
- 5:1
- OTHER:

**Maintenance Required:**

---

<table>
<thead>
<tr>
<th>Location</th>
<th>North</th>
<th>South</th>
<th>East</th>
<th>West</th>
<th>Digital Photo ID:</th>
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<td>3</td>
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**Vegetative Cover:**

- %

**Condition:**

- Good
- Satisfactory
- Poor

**Bank Erosion:**

- Yes
- No

**Size of Erosion Area:**

**Apparent Cause of Erosion:**

**Bank Sideslope:**

- 1:1
- 2:1
- 3:1
- 4:1
- 5:1
- OTHER:

**Maintenance Required:**

---
DETENTION BASIN INSPECTION FORM
CITY OF NOVI STORMWATER STUDY
0163-06-0601

Location:
- North
- South
- East
- West
Digital Photo ID: ______________________

Vegetative Cover: ________ %
Condition: Good Satisfactory Poor

Bank Erosion: Yes No
Size of Erosion Area: ______________________

Apparent Cause of Erosion: ______________________

Bank Sideslope: 1:1 2:1 3:1 4:1 5:1 OTHER: ______________________

Maintenance Required: ______________________

Bottom Conditions

Depth of Sediment: Survey will probe Vegetation: wetland
Debris: none
Maintenance Required: filled w/ sediment in wetland no erosion downstream good cover

Water Surface

Color: clear Oil/Grease Sheen: ______________________
Debris: none Vegetation: wetland
Maintenance Required: see below

General Comments:
Survey to probe to see how deep sediment is functioning well as a wetland but filled in w/ sediment Sanitary sewer in close proximity mowing too close to basin - no need in this industrial area (Novi cuts) erosion on banks (undercut).

Fill in animal burrow left of culvert (looking ds) Add just a little rip rap as of road

Sanitary & Mit needs to be bolted
Opening wetland doesn't attenuate water like it used to.

ECT, Inc.
det_basin_form.xls
<table>
<thead>
<tr>
<th>Location Description:</th>
<th>OHM Inspector: ET</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basin Name: Thornton</td>
<td>ECT Inspector: AV</td>
</tr>
<tr>
<td>Type of Development: Residential Commercial Industrial Other</td>
<td>Date: 8-17-06</td>
</tr>
<tr>
<td>Plans? Yes No</td>
<td>Time: 8:15 am</td>
</tr>
<tr>
<td>Site Accessible? Yes No</td>
<td>Temperature:</td>
</tr>
<tr>
<td>Current Weather Conditions: Sunny</td>
<td></td>
</tr>
</tbody>
</table>

### BASIN INFORMATION

<table>
<thead>
<tr>
<th>Type of Basin: Wet Dry</th>
<th>Retention Only Wetland/Marsh</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inlet Pipe #1 Location:</td>
<td>Digital Photo ID:</td>
</tr>
<tr>
<td>Size: inches</td>
<td>Material: Concrete Plastic CMP Other:</td>
</tr>
<tr>
<td>Inlet Pipe Condition: Good Satisfactory Poor Other:</td>
<td></td>
</tr>
<tr>
<td>Evidence of Sediment Deposition: Yes No</td>
<td>Depth:</td>
</tr>
<tr>
<td>Evidence of Illicit Discharge: Yes No</td>
<td>Description:</td>
</tr>
<tr>
<td>Maintenance Req'd: Bank Stabilization Sediment Clean Out Vegetation Clean Out</td>
<td>Inlet/Outlet Repair None</td>
</tr>
<tr>
<td>Describe Maintenance Needs:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inlet Pipe #2 Location:</th>
<th>Digital Photo ID:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size: inches</td>
<td>Material: Concrete Plastic CMP Other:</td>
</tr>
<tr>
<td>Inlet Pipe Condition: Good Satisfactory Poor Other:</td>
<td></td>
</tr>
<tr>
<td>Evidence of Sediment Deposition: Yes No</td>
<td>Depth:</td>
</tr>
<tr>
<td>Evidence of Illicit Discharge: Yes No</td>
<td>Description:</td>
</tr>
<tr>
<td>Maintenance Req'd: Bank Stabilization Sediment Clean Out Vegetation Clean Out</td>
<td>Inlet/Outlet Repair None</td>
</tr>
<tr>
<td>Describe Maintenance Needs:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inlet Pipe #3 Location:</th>
<th>Digital Photo ID:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size: inches</td>
<td>Material: Concrete Plastic CMP Other:</td>
</tr>
<tr>
<td>Inlet Pipe Condition: Good Satisfactory Poor Other:</td>
<td></td>
</tr>
<tr>
<td>Evidence of Sediment Deposition: Yes No</td>
<td>Depth:</td>
</tr>
<tr>
<td>Evidence of Illicit Discharge: Yes No</td>
<td>Description:</td>
</tr>
<tr>
<td>Maintenance Req'd: Bank Stabilization Sediment Clean Out Vegetation Clean Out</td>
<td>Inlet/Outlet Repair None</td>
</tr>
<tr>
<td>Describe Maintenance Needs:</td>
<td></td>
</tr>
</tbody>
</table>
DETENTION BASIN INSPECTION FORM
CITY of NOVI STORMWATER STUDY
0163-06-0601

Outlet Structure
Location:
Diameter: __________ Height: __________
Flow Control: 10 Yr 100 Yr Other: __________
Treatment Control: None First Flush Bankfull Other: __________
Orifice Info: # of Holes: __________ Size: __________ Location: __________
Discharges to: __________
Outlet Structure Condition: Good Satisfactory Poor Other: __________
Maintenance Required: __________

Secondary Overflow
Type: EMBANKMENT RISER OTHER: __________
Secondary Overflow Condition: Good Satisfactory Poor Other: __________
Maintenance Required: __________

Bank Condition
1 Location: North South East West Digital Photo ID: __________
Vegetative Cover: __________ % Condition: Good Satisfactory Poor
Bank Erosion: Yes No Size of Erosion Area: __________
Apparent Cause of Erosion: __________
Bank Sideslope: 1:1 2:1 3:1 4:1 5:1 OTHER: __________
Maintenance Required: __________

2 Location: North South East West Digital Photo ID: __________
Vegetative Cover: __________ % Condition: Good Satisfactory Poor
Bank Erosion: Yes No Size of Erosion Area: __________
Apparent Cause of Erosion: __________
Bank Sideslope: 1:1 2:1 3:1 4:1 5:1 OTHER: __________
Maintenance Required: __________

3 Location: North South East West Digital Photo ID: __________
Vegetative Cover: __________ % Condition: Good Satisfactory Poor
Bank Erosion: Yes No Size of Erosion Area: __________
Apparent Cause of Erosion: __________
Bank Sideslope: 1:1 2:1 3:1 4:1 5:1 OTHER: __________
Maintenance Required: __________

Maintenance Required: __________

Orchard, Hiltz McCliment, Inc. 2 of 3
ECT, Inc.
DETENTION BASIN INSPECTION FORM
CITY of NOVI STORMWATER STUDY
0163-06-0601

4 Location: North South East West Digital Photo ID: _______________

Vegetative Cover: _______ % Condition: Good Satisfactory Poor

Bank Erosion: Yes No Size of Erosion Area: _______________

Apparent Cause of Erosion: ________________________________

Bank Sideslope: 1:1 2:1 3:1 4:1 5:1 OTHER: _______________

Maintenance Required: _______________

Bottom Conditions

Depth of Sediment: negligible Vegetation: ________________________

Debris: none Maintenance Required: ______________________________

Water Surface

Color: clear Oil/Grease Sheen: no

Debris: no Vegetation: wet and around edges

Maintenance Required: ______________________________

General Comments:

no erosion present in stream
no invasive species
need to stop mowing to edge on east? side of pond
erosion around manhole (photo 116)
little sedimentation at culvert (cmp) at discharge to stream. Maybe more rock to slow down.

A lot of water discharging considering hasn’t rained in over 2 weeks.
Location Description: behind Sheraton

Basin Name: West Oaks

Type of Development: Residential □ Commercial □ Industrial □ Other □

Plans? □ Yes □ No

Site Accessible? □ Yes □ No

Current Weather Conditions: Sunny

BASIN INFORMATION

Type of Basin: □ Wet □ Dry □ Retention Only □ Wetland/Marsh

Inlet Pipe #1

Location: See Sketch

Size: 20 inches □ Material: Concrete □

Inlet Pipe Condition: Good □ Satisfactory □ Poor □ Other: □

Evidence of Sediment Deposition: □ Yes □ No □

Evidence of Illicit Discharge: □ Yes □ No □

Maintenance Req'd: □ Bank Stabilization □ Sediment Clean Out □ Vegetation Clean Out □ Inlet/Outlet Repair □ None

Digital Photo ID: ____________________________

Depth: a couple inches

Inlet Pipe #2

Location: See Sketch

Size: 54 inches □ Material: Concrete □

Inlet Pipe Condition: Good □ Satisfactory □ Poor □ Other: □

Evidence of Sediment Deposition: □ Yes □ No □

Evidence of Illicit Discharge: □ Yes □ No □

Maintenance Req'd: □ Bank Stabilization □ Sediment Clean Out □ Vegetation Clean Out □ Inlet/Outlet Repair □ None

Digital Photo ID: ____________________________

Depth: ____________________________

Inlet Pipe #3

Location: See Sketch

Size: 48" inches □ Material: Concrete □

Inlet Pipe Condition: Good □ Satisfactory □ Poor □ Other: undercut erosion

Evidence of Sediment Deposition: □ Yes □ No □

Evidence of Illicit Discharge: □ Yes □ No □

Maintenance Req'd: □ Bank Stabilization □ Sediment Clean Out □ Vegetation Clean Out □ Inlet/Outlet Repair □ None

Digital Photo ID: ____________________________

Depth: ____________________________

grate has evidence of debris buildup

egrass erosion around the pipe

1 of 3
Inlet pipe #4
28" (24"?)
Pipe broken needs repair
Evidence of erosion around pipe

Inlet pipe #5
28" (24"?)
Pipe broken
### Outlet Structure

**Location:**

**Diameter:**

**Height:**

**Flow Control:**
- 10 Yr
- 100 Yr
- Other:

**Treatment Control:**
- None
- First Flush
- Bankfull
- Other:

**Orifice Info:**
- # of Holes:
- Size:
- Location:

**Discharges to:**

**Outlet Structure Condition:**
- Good
- Satisfactory
- Poor
- Other:

**Maintenance Required:**

### Secondary Overflow

**Digital Photo ID:**

**Type:**
- EMBANKMENT
- RISER
- OTHER:

**Secondary Overflow Condition:**
- Good
- Satisfactory
- Poor
- Other:

**Maintenance Required:**

### Bank Condition

**Location:**
- North
- South
- East
- West

**Vegetative Cover:**

**Condition:**
- Good
- Satisfactory
- Poor

**Bank Erosion:**
- Yes
- No

**Size of Erosion Area:**

**Apparent Cause of Erosion:**

**Bank Sideslope:**
- 1:1
- 2:1
- 3:1
- 4:1
- 5:1
- OTHER:

**Maintenance Required:**

1. **Location:**

**Vegetative Cover:**

**Condition:**

**Bank Erosion:**

**Size of Erosion Area:**

**Apparent Cause of Erosion:**

**Bank Sideslope:**

**Maintenance Required:**

2. **Location:**

**Vegetative Cover:**

**Condition:**

**Bank Erosion:**

**Size of Erosion Area:**

**Apparent Cause of Erosion:**

**Bank Sideslope:**

**Maintenance Required:**

3. **Location:**

**Vegetative Cover:**

**Condition:**

**Bank Erosion:**

**Size of Erosion Area:**

**Apparent Cause of Erosion:**

**Bank Sideslope:**

**Maintenance Required:**
DETENTION BASIN INSPECTION FORM
CITY of NOVI STORMWATER STUDY

Location: North  South  East  West
Vegetative Cover: __________%  Condition: Good  Satisfactory  Poor
Bank Erosion: Yes  No  Size of Erosion Area: _______________________
Apparent Cause of Erosion: _______________________
Bank Sideslope: 1:1  2:1  3:1  4:1  5:1  OTHER: _______________________
Maintenance Required: _______________________

Bottom Conditions
Depth of Sediment: few inches around bank  not sure in center
Vegetation: a lot of algae  
Debris: none
Maintenance Required: _______________________

Water Surface
Color: clear/black  Oil/Grease Sheen: some at outlet of 48''
Debris: none  Vegetation: algae
Maintenance Required: _______________________

General Comments:
inlet creek - vegetation 5 feet on either side

[Diagram showing various measurements, markings, and notes related to the basin condition, including algae, grass, rocks, and pipe details.]

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