

## SECTION 8

# Operations and Maintenance Problem Areas and Claim History

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The purpose of this section is to provide a record of reported locations in the storm drainage system where frequent flooding or maintenance needs have been identified. This information is combined with the results of the capacity evaluation to develop a list of recommended improvements.

## 8.1 Observed Problems and Claims

City staff identified operations and maintenance (O&M) problem areas as listed in Table 8-1. The locations of these problem areas are shown in Figure 8-1.

TABLE 8-1  
Operations and Maintenance Problem Areas  
*City of McMinnville Storm Drainage Master Plan*

No.	Description
1.	Linear park detention ponds (between Westvale and Cypress and Cypress and Agee): During heavy rain events, the pond between Cypress and Agee has backed up, causing flooding across Cypress.
2.	Intersection of Booth Bend and Davis to the outfall southeast of that intersection. This backs up from the catch basin on the northeast corner.
3.	Bank erosion at the location of the outfall east of Cleveland Avenue. The bank is eroding away at this point, leaving the outfall undermined.
4.	Bank erosion at the location of the outfalls off Brooks Street. The bank is eroding away at this point, leaving the outfall undermined.
5.	Bank erosion at the location of the outfall off Dunn Place. The bank is eroding away at this point, leaving the outfall undermined.
6.	Bank erosion at the location of the outfall for Kingwood. The bank is eroding away at this point, leaving the outfall undermined.
7.	Combined systems (sewer, storm) on Irvine, Johnson, and Logan
8.	Pipe sizing west from 26th to N. Baker Street. This is surcharged and has backed up.
9.	Medinah detention pond function particularly emergency overflow protection.
10.	Catch basin sizing, location in the general area 12th – 15th, Adams to Elm. This area has surface problems, with many smaller, round catch basins that do not appear to be adequately sized or located.
11.	General capacity of the Michelbook system, from 21st south to the outfall south of 11th Street. Backups have occurred at the manhole on the golf course and from the catch basin along Michelbook pipe in this area is ungasketed; therefore, groundwater infiltration may be contributing to how the sidewalk is settling on the east side of Michelbook.
12.	Catch basin locations through the Michelbook dip, especially along the east side.
13.	Routing of pipe, catch basin sizing, and location south from 11th, between Elm and Michelbook, south to the outfall. Some of this pipe is inaccessible and/or runs under existing structures.

**TABLE 8-1**  
Operations and Maintenance Problem Areas  
*City of McMinnville Storm Drainage Master Plan*

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<b>No.</b>	<b>Description</b>
14.	Grade change along the line that runs west off 3rd Street through the city park. It has backed up during heavy rain events.
15.	Catch basin size and location in high school area.

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## 8.2 Recommendations

Key O&M problem area projects were developed with a cost allowance and added to the list of recommended projects provided in Table 10-1.



**FIGURE 8-1**

**O&M PROBLEM AREAS**

City of McMinnville  
Stormwater Drainage Master Plan

**Legend**

- Problem Areas
- Roads



1 inch = 2,000 feet

Source:  
City of McMinnville



Date: 4/10/2009