

# **OAKLAND COUNTY WATER RESOURCES COMMISSIONER**

## **SANITARY SEWER SYSTEM**

### **DESIGN STANDARDS**



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**Oakland County Water Resources Commissioner**

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## **Sewer System Design Standards**

### **I. PURPOSE**

- To provide standard requirements, rules and design criteria for all sewer systems to be connected to the county system.

### **II. SCOPE**

- These standards are intended to serve as a guide in the design and preparation of sewer system plans and specifications of sewer systems to be connected to the county system. Adherence to the requirements listed will provide a high level standard of system performance in accordance with state and federal mandated water quality standards.

### **III. DESIGN STANDARDS**

- All sewers, pumping stations, retention facilities, and all other sewer system appurtenances shall meet the following design standards:
  1. Recommended Standards for Wastewater Facilities (10 States Standards) 1997 edition of a report of the Wastewater Committee of the Great Lakes - Upper Mississippi River (Web site [www.hes.org](http://www.hes.org))
  2. Detroit Water and Sewerage Department (DWSD). Suburban Division II, Design, Detailing and Construction Standards for Sanitary Sewers connecting to the Detroit Regional System.
  3. Wastewater Disposal Standards and Regulations for the County of Oakland.
  4. The provisions of the Michigan Public Acts of 1994, as amended, MCLA 324.4101 et.seq.
  5. The Oakland County Water Resources Commissioner; Standards and Specifications including the provisions of the WRC work instruction for Sanitary/Combined Sewer Plan Review (SS-0806)
  6. CVT Design Standards, as determined by local CVT.
  7. WRC Operation and Maintenance Design for all systems operated and maintained by the WRC including Standard Detail Sheets, Sewer Plan Review Checklist, and Pump Station Design Standards [work in progress].

**IV. CHANGE RECORD**

<b>Revision</b>	<b>Date</b>	<b>Responsible Person</b>	<b>Description of Change</b>
Release	06/18/02	Standards Review Committee	N/A
#1	06/30/2011	SRC/Mark Davis	OCDC name to WRC

V. **DISTRIBUTION LIST**

<b>Book</b>	<b>Position</b>	<b>Division/ Unit</b>	<b>Date</b>	<b>Controlled/ Uncontrolled</b>
1.	N/A			
2.	N/A			
3.	N/A			
4.	N/A			
5.	N/A			
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20.	N/A			
21.	N/A			
22.	N/A			
23.	N/A			
24.	N/A			
25.	Chief Engineer – Sewer Systems	WRC Sewer Systems	06/30/11	Controlled
26.	N/A			
27.	Manager – Sewer, Drain & Construct.	WRC Administration	06/30/11	Controlled
28.	N/A			
29.	Chief Engr. – Drain, Const., P. Maint.	WRC Construction Mgmt.	06/30/11	Controlled