



Iowa Department of Natural Resources  
 Wastewater Section  
 Construction Permit Application  
**SCHEDULE I, Screening, Grit Removal, & Flow Measurement**

DNR USE ONLY  
 Project No. \_\_\_\_\_  
 Permit No. \_\_\_\_\_

Date Prepared _____	Project Identity _____
Date Revised _____	

**Screening Facilities**

1. Location of Unit \_\_\_\_\_

2. Type of screen     Manually cleaned     Mechanically cleaned     Comminution

Unit	Area		Opening Size (inches)	Slope (degrees)	Velocity (fps)	Head Loss (ft)	Capacity (MGD)
	Total (ft <sup>2</sup> )	Effective (ft <sup>2</sup> )					

3. Have the following been provided for? Describe.

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	a. Lighting _____
<input type="checkbox"/>	<input type="checkbox"/>	b. Ventilation _____
<input type="checkbox"/>	<input type="checkbox"/>	c. Means for removing screenings _____
<input type="checkbox"/>	<input type="checkbox"/>	d. Entrances _____

4. Screen channel invert is \_\_\_\_\_ inches below incoming sewer

5. Is auxiliary screen provided?     Yes     No    Describe \_\_\_\_\_

6. Method of screening disposal \_\_\_\_\_

7. Is a service bypass provided?     Yes     No    Discharge to \_\_\_\_\_

**Grit Removal Facilities**

1. Location of Unit \_\_\_\_\_

2. Type \_\_\_\_\_    Number of Units \_\_\_\_\_

3. Dimensions \_\_\_\_\_    Volume \_\_\_\_\_    gal.    Detention time \_\_\_\_\_    Minutes

4. Type of velocity control \_\_\_\_\_

5. Linear velocity (fps) Average \_\_\_\_\_    Maximum \_\_\_\_\_    Minimum \_\_\_\_\_

6. Method of dewatering \_\_\_\_\_

7. Is a service bypass provided?     Yes     No    Discharge to \_\_\_\_\_

8. Method of grit removal \_\_\_\_\_

9. Location of grit removal \_\_\_\_\_

**Flow Measurement Facilities**

1. Location of Unit \_\_\_\_\_

2. Type of measurement \_\_\_\_\_    Maximum capacity \_\_\_\_\_    MGD

3. Type of recording \_\_\_\_\_    Maximum capacity \_\_\_\_\_    MGD

4. Is service bypass provided?     Yes     No    Discharge to \_\_\_\_\_