



**Precast  
Stormwater  
Retention/Detention  
System**

**Rinker**  
MATERIALS™

[www.rinkermaterials.com](http://www.rinkermaterials.com)

*As an internationally  
recognized leader in  
the concrete pipe and  
precast concrete industry,  
Rinker Materials™  
position of leadership  
is directly related to the  
ability to continually  
and effectively produce  
high-quality products.*

**Rinker**  
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## Building the Foundation of the Nation's Infrastructure



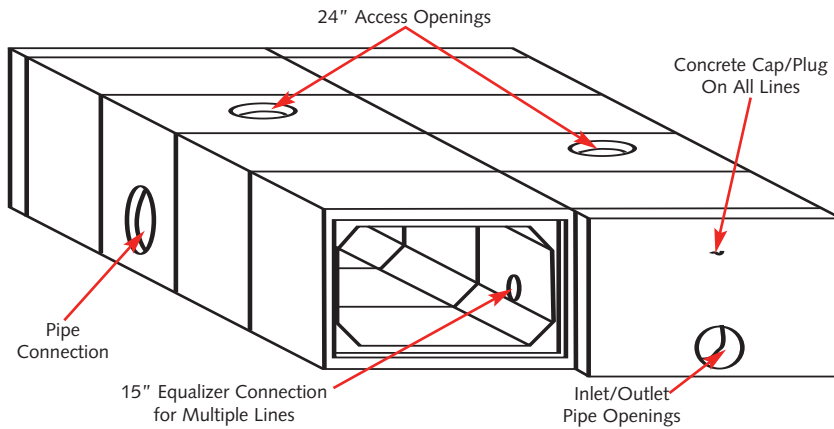
Rinker Materials™ manufactures a complete line of precast concrete stormwater retention/detention products to meet your engineering requirements. Reinforced concrete systems are ideal products to specify under conditions which include shallow cover, special waterway requirements and/or unusual load conditions. Rinker Materials' systems are available in a wide range of standard sizes to meet or exceed applicable AASHTO/ASTM requirements and local restrictions.

Nothing, however, is standard about our quality. As an internationally recognized leader in the concrete pipe and precast concrete industry, Rinker Materials' position of leadership is directly related to the ability to continually and effectively produce high-quality products. You can always rely on the fact that each system you specify is backed by leading technology, engineering expertise, and a commitment to quality and service.

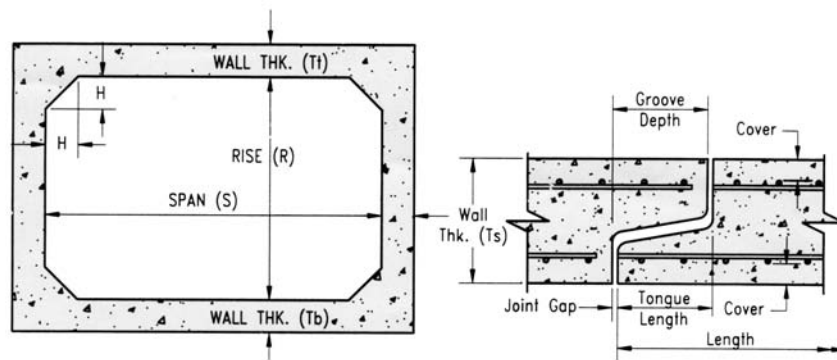
From the plant to the field, Rinker Materials' superiority is apparent. After-the-sale service is equally as important to us as a quality product. Rinker Materials' service ends only after production and shipping schedules are met, and the client accepts the installation.



# Engineering Expertise and Quality for a New Century



**Single or Multiple Line Systems Available**



**Section thru Box Culvert**

**Section thru Box Joint**

## Notes:

1. Reinforced concrete systems can be designed to meet applicable AASHTO/ASTM standards.
2. Modified designs, outside of the parameters of the AASHTO/ASTM standards are available for deeper design covers, thinner wall sections, greater spans, and various special applications.
3. Special flow-control weirs available per engineer's design requirements.
4. These drawings are not intended to show reinforcement design — either as to placement or steel area. Actual project specification or current AASHTO/ASTM specifications will govern.
5. Rinker Materials™ water-quality device (Stormceptor®) may be utilized as an integral part of the retention/detention system.
6. At Rinker Materials, specific sizes and requirements can be accommodated.

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*manufactures a complete*

*line of precast concrete*

*stormwater*

*retention/detention*

*products to meet your*

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## **Advantages of Precast Concrete Systems Over Metal or Plastic Systems**

- Easy, quick and economical installations
- Zero cover installations available
- Reduced installation foot prints due to reduced backfill requirements
- Project installations are less weather sensitive
- Allows for immediate backfill
- Rapid design phase (AASHTO/ASTM design)
- Reduction in cost for traffic control and project management
- Less environmental impact
- Safer job site installation techniques
- Superior quality control and strength (minimum 5000 psi)
- Excellent hydraulic capacity
- Load supporting strength in the product, not in the installation
- 100-year service life

**Contact Your Local Rinker Materials™ Representative for Design  
of a System to Handle Your Retention/Detention Requirements**



[www.rinkermaterials.com](http://www.rinkermaterials.com)

Rinker Materials is a leading producer of concrete pipe and box culvert for storm drains and sanitary sewers in the United States. Over the last 40 years, we have produced more concrete pipe than any other concrete pipe company in the world. Through leading-edge design, Rinker Materials has set the standard by which all other producers are measured.

### **Rinker Materials™**

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