Connect

Component	*Component Type*	*Dimension(s)* (width * length * depth)	*Diameter(s)*	*Sump Depth*	*Max Invert (including sump)*	*Max Depth*	*Note*	*Function Type*
Access Riser								**Access**
Clean Out								
Maintenance hole	Type 1	N/A	48", 54", 60"	N/A		25' to invert of pipe	Grafted to RCP (reinforced concrete pipe)	
	Type 2	N/A	60", 72", 84", 96"	N/A				
	Type 3	N/A	48", 54", 60", 72", 84", 96"	N/A				
	Type 4	N/A	48"	N/A				
Catchbasin	Type 1	22" * 26" * 44"		17"	5'	30" of sump		**Sump**
	Type 1L	28" * 32" * 44"		17"	5'	48" of sump		
	Type 1P	22" * 26" * 52"		>= 32"	5'			
	Type 2		36", 48", 54", 60", 72" & 96"	24"				
Grate Inlet	Type 1	23" * 42" * Varies		18"		12' to bottom of structure		
Concrete/Curb Inlet		22" * 26" * 24"		0"				**No Sump**
Drop Inlet	Type 1							
	Type 2							
Grate Inlet	Type 2	23" * 42" * Varies		0"		12' to bottom of structure		
Non-Standard	Circular						Brick, Yard Drain Other	**Non-Standard**
	Rectangular							

Sources:

- **King County Roads Standards, 2007:**
  - **http://www.kingcounty.gov/transportation/kcdot/Roads/EngineeringServices/RoadStandards2007.aspx**
- **Washington State Department of Transportation, Standard Plans:**
  - **http://www.wsdot.wa.gov/Design/Standards/Plans.htm**
  - **http://www.wsdot.wa.gov/publications/fulltext/Standards/08_12StdPlanmanual.pdf**

Notes:

- **Dimensions and Diameters are interior of structure**
- **Maximum depth of sump as built, not per standard**

Convey

Component	*Component Type*	*Shape*	*Surface Texture*	*Coating*	*Dimension(s)* (width * length * depth)	*Diameter(s)*	*Material*	*Perforated*	*Flow Direction*	*Emergency Overflow*	*Function Type*
Ditch		V, U, Shallow U; Default: U			< 5', >= 5'; Default: < 5'		Grass, Ground, Rip Rap	N/A	Downflow/Upflow/Bi-directional/Grade Break	Yes/No	**Open Conveyance**
Curb/Gutter		J, L, Shallow V					Asphalt, Concrete				
Natural Drainage		U							Downflow/Upflow	N/A	
Trench Drain		Box, Half Pipe					Plastic, Concrete, Metal			Yes/No	
Culvert	Arch							N/A	Downflow/Upflow/Bi-directional	Yes/No	**Closed Conveyance**
	Bottomless Arch										
	Box										
	Bottomless Box										
	Round										
	Squash										
Pipe	Force Main	Circular						N/A	Downflow/Upflow	N/A	
	Stormwater Pipe	Circular, Oval, Squash, Arch, Box	Corrigated	Asphalt, Galvenized		8", 12", 18", 24", 36", > 48"	Concrete, Metal, Plastic, Clay, Non-Standard	Yes/No	Downflow/Upflow/Bi-directional	Yes/No	
	Tightline	Circular				12", 18", 24", 36", > 48"		N/A	Downflow/Upflow		
	Underdrain							Yes		N/A	

Sources:

- **King County Roads Standards, 2007:**
  - **http://www.kingcounty.gov/transportation/kcdot/Roads/EngineeringServices/RoadStandards2007.aspx**
- **Washington State Department of Transportation, Standard Plans:**
  - **http://www.wsdot.wa.gov/Design/Standards/Plans.htm**
  - **http://www.wsdot.wa.gov/publications/fulltext/Standards/08_12StdPlanmanual.pdf**

Notes:

- **Dimensions and Diameters are interior of conveyance**