Photo Book of Storm Water Features
This book is not comprehensive and some storm water features may not have been included. The features pictured in this book may not always represent features installed.

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Photo Book of Storm Water Features Version 1.2
Drainage Structures
A structure built to collect rain water from a storm event and direct it into a pipe for discharge into a channel, stream or pond.

- Catch Basin
- Drop Inlet in Pavement
- Curb Inlet
- Drop Inlet in Yard
- Double Catch Basin
- Elongated Throat
Drainage Structures

A structure built to collect rain water from a storm event and direct it into a pipe for discharge into a channel, stream or pond.

- End Wall With Wing Walls
- Head Wall - Concrete
- Flared End Section (FES)
- Head Wall - Concrete Block
- Head Wall - Brick
- Manhole
Drainage Structures

A structure built to collect rain water from a storm event and direct it into a pipe for discharge into a channel, stream or pond.

Pre-Cast Wing Wall

Slab Top Inlet
Retaining Walls

A retaining is a vertical, or nearly vertical, wall designed to support ground surfaces of differing elevations.

Gabion Wall

Modular Block Wall

Wrapped Earth
Pipes & Culverts

A culvert is a drainage pipe used to convey a stream through a road or embankment or may carry a stream for a long distance underground to a surface discharge location.

Bottomless Culvert - Arch

Corrugated Metal Pipe (CMP)

Bottomless Culvert - Three Sided

Double Reinforced Concrete Box Culvert (RCBC)

Corrugated Aluminum Pipe Arch (CAPA)

Driveway Culvert
Pipes & Culverts

A culvert is a drainage pipe used to convey a stream through a road or embankment or may carry a stream for a long distance underground to a surface discharge location.

High Density Polyethylene Pipe (HDPE)

Reinforced Concrete Pipe
Curb & Gutter

2’ 6” Standard Curb and Gutter

Roadside Ditch

Valley Gutter
Channel & Pond Features

Articulated Block Matting

Coir Fiber Rolls

Cross Vane

Double Wing Deflector

Floodplain Bench

Floodplain Bench Diagram

Photo Book of Storm Water Features
Channel & Pond Features

Grade Control Structure

Meanders

Littoral Shelf

Pond

Littoral Shelf Diagram

Pond Outlet Structure with Trash Rack
Channel & Pond Features

Riffle Pool Sequence  
Riser

Rip Rap  
Root Wad

Rip Rap Toe  
Soil Bioengineering - First Year (Live Stakes)
Channel & Pond Features

Soil Bioengineering - Medium Growth  Swale - Concrete

Soil Bioengineering - Mature Growth  Swale - Grassed

Stilling Basin  Wetland BMP
Construction Equipment

Backfill Tamping with Jumping Jack
Crane

Backhoe
Drill Rig

Casing Pipe
Hydroseed Equipment
Construction Equipment

- Micropile Bracket
- Mini Front End Loader
- Micropile Drill Rig
- Pavement Milling Equipment
- Mini Backhoe
- Rock Hammer
Construction Equipment

Street Broom

Track Hoe

Trench Compactor
Installation Techniques

Bypass Pumping

Head Wall Under Construction

Curb-Gutter Installation

High Density Polyethylene Pipe (HDPE) Installation

Hand Dig Utility Conflicts

Hydroseed
Installation Techniques

Orange Construction Fence

Shoring

Permanent Erosion Control Matting

Silt Fence

Reinforced Concrete Pipe (RCP) Installation

Temporary Erosion Control Matting
Installation Techniques

Temporary Rock Check Dam

Trench Box

Temporary Staging Area

Trenching in the Street

Tree Removal - Chipping
Miscellaneous

Guard Rail

Hand Rail

Rain Barrel
Problems

Blockage

Channel Erosion

Blockage Removal

Concrete in Stream

Channel Erosion

Corroded Metal Pipe
Problems

Corroded Metal Pipe

Failed Concrete Apron

Corroded Metal Pipe

Flooding - Bridge

Debris at Catch Basin

Flooding - House
Problems

Flooding - Road

Flooding - Yard

Sinkhole or Blowout
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