TYPICAL LAYOUT AND FEATURES OF THE
STORM SEWER COLLECTION SYSTEM WITH
STORMWATER QUALITY COMPONENTS

LEGEND:
- **Monhole with Drop Bottom**
- **Inlets – Curb Opening or Grate (Beehive cover when outside paved areas)**
- **Manholes – Without Drop Bottom**
- **Storm Sewer Pipe**
- **Flow Direction**
- **Water Quality Manhole Structure**

**STRUCTURAL BEST MANAGEMENT PRACTICES**
- Grass Buffer (GB)
- Grass Swale (GS)
- Porous Landscape Detention (PLD)
- Porous Pavement Detention (PPD)
- Modular Block Porous Pavement (MBP)
- Constructed Wetlands Channel (CWC)
- Extended Detention Basin (EDB)
- Sand Filter Extended Detention Basin (SFB)
- Constructed Wetland Basin (CWB)
- Retention Pond – Wet Extended Detention Basin (RP)

**GENERAL NOTES:**
1) Rip-rap to be installed below flared end section/pipe outlet in accordance with City of Loveland Standard Specifications.
2) Vegetated wetland swale to be constructed and planted in accordance with City of Loveland Standard Specifications.
3) Each Forebay shall be constructed so it is accessible for maintenance equipment.
4) All structural Best Management Practices (BMPs) to be designed in accordance with the Urban Storm Drainage Criteria Manual Volume 3 – Best Management Practices.

**WATERWAY**
(Lake, Wetland, River, Creek, or Other Waterbody)

**FOREBAY**

**MICROPOOL**
Water quality outfall structure

**Detention Basin**
(EDB, SFB, CWB, RP)

**Overflow**

**Flow**
"Flared end section/Headwall/pipe outlet with vegetated rip-rap below outlet"

**Typical Parking Lot**

**Modular Block Porous Pavement (MBP)**

**Porous Pavement Detention (PPD)**

**Vegetated rip-rap below outfall**

**Typical Intersection**

**Drawing 01010-1D**