
Clean Water Nashville Overflow Abatement Program

GUIDANCE FOR DESIGN

STANDARD DETAILS LIST

Version 2.0

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Section 1

Standard Details List

Table 1-1 Standard Details List – Equalization Facilities and Pump Station Group

Equalization Facilities and Pump Station Group
▪ Equalization Tank Influent Pipe Details
▪ 50-inch FRP Roof Ventilator
▪ 48-inch Precast Concrete Roof Vent
▪ Equalization Tank Overflow Assembly
▪ 17 inch x 52 in Stainless Steel Wall Access Manway
▪ Equalization Tank Ultrasonic Level Transducer Assembly
▪ 1.5-inch Yard Hydrant
▪ Equalization Tank Dome-mounted Hose Reel Assembly (includes stainless steel riser piping, reel, hose and nozzle)
▪ 72-inch x 72-inch Dome Access Hatch
▪ 96-inch x 96-inch Dome Access Hatch
▪ 48-inch Dome Sidewalk (includes railing and toe board)
▪ Dome Mounted Davit Crane
▪ Equalization Pump Station Ultrasonic Level Transducer Assembly
▪ Equalization Tank Infiltration Ring

Table 1-2 Standard Details List – Conveyance Group

Conveyance Group
▪ In-stream Crossing For Habitat Restoration
▪ Creek Crossing
▪ Concrete Anchors
▪ Concrete Check Dam
▪ Standard Manhole Frame and Cover
▪ Large Manhole Frame and Cover
▪ Standard Watertight Manhole Frame and Cover
▪ Large Watertight Manhole Frame and Cover
▪ Watertight Manhole Frame and Cover Mortar Collar
▪ Standard Precast Concrete Manhole
▪ Precast 60-inch Concrete Manhole
▪ Precast 72-inch Concrete Manhole
▪ Shallow Type Manhole with Frame and Cover
▪ Creek Bottom Manhole
▪ Standard Ladder Bars
▪ Resilient Connector For Pipe to Manhole Connection
▪ Drop Pipe Assembly for Standard Manholes
▪ Inside Drop Pipe Assembly (Used With MWS Permission Only)
▪ Vent Pipe Assembly
▪ Water Sealing Cover and Locking Bar for No. 12 Manhole Casting
▪ Maximum Pipe Size and Angles for Manholes
▪ Trenching, Bedding and Backfilling
▪ Concrete Encasement
▪ Trench Backfill Compaction Equipment Selection Chart
▪ Small Standard Metro Storm Gate
▪ Bike Friendly Grate Standard
▪ Large Standard Metro Storm Gate
▪ Large Standard Metro Yard and Gutter Pan
▪ Small Standard Traffic-Worthy Meter Box Frame and Cover
▪ Large Standard Traffic-Worthy Meter Box Frame and Cover
▪ Small Gray Iron Valve Box Frame and Cover

Table 1-3 Standard Details List –Rehabilitation Group

Rehabilitation Group
▪ Flexible Coupling Details
▪ Point Repair Details
▪ Manhole Components Detail
▪ Casting Installation Detail
▪ Cleanout Detail Under Pavement
▪ Cleanout Detail Outside of Pavement
▪ Service Repair Detail
▪ Manhole Rehabilitation Detail
▪ CIPP Lateral Lining Detail (8-24-inch Mainline Pipes)
▪ CIPP Lateral Short Lining Detail (8-24-inch Mainline Pipes)
▪ Typical Silt Fence Installations for Point Excavation
▪ Typical Silt Fence Installations for Clean Out Assembly
▪ Typical Silt Fence Installations for Trench Excavation