Georgia Road Distribution Box



Overview

Distribution and dosing devices include distribution boxes, flow splitters, siphons, pumps and other flow diversion devices.

Key Takeaways

A Georgia road distribution box is a precast or constructed enclosure used for routing utilities or wastewater, designed to meet state-specific structural and operational standards. Types and Applications1. Utility Pull Boxes: These are used along roads to house electrical, fiber optic, or telecommunications cables.

They provide access points for maintenance, splicing, and cable management. Typical features include: Split lids for easy access and safety. Solid bottoms with drain holes to prevent water accumulation.

Minimum gravel bedding (usually 18 inches) for stability. Conduit duct banks sized according to cable requirements, with tolerances for installation precision. Fiber cables are coiled and supported on separate racks to prevent damage.

2. Septic System Distribution Boxes: These boxes are part of onsite sewage systems, distributing effluent evenly to absorption trenches. Key specifications in Georgia include: Load-bearing capacity: Must withstand 150 pounds per square foot on top of the box.

Concrete strength: Minimum 4,000 psi. Thickness and reinforcement: Bottoms, sidewalls, and lids at least 1. 5 inches thick, reinforced with #10 gauge six-inch welded steel wire or equivalent.

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Inlet/outlet dimensions: Knockouts sized for 4-inch piping, with inlets 2–3 inches above outlet inverts, and outlets spaced at least 9 inches apart and 3 inches from corners. Identification: Must bear the manufacturer's name. Application: Used with dosing tanks, siphons, or pressure distribution networks to ensure proper effluent flow and treatment.

Construction and Installation Considerations

Material: Precast concrete is standard for durability and corrosion resistance. Reinforcement: Steel wire mesh or rebar ensures structural integrity under traffic or soil load. Access: Lids with handles for safe removal and maintenance.

Drainage: Bottoms often include drain holes to prevent water accumulation. Regulatory compliance: Must meet Georgia Department of Public Health (DPH) standards for septic systems or Georgia DOT specifications for roadside utility boxes.

Summary

Georgia road distribution boxes serve critical roles in utility management and wastewater distribution. Their design ensures structural strength, proper flow, and accessibility, whether for fiber/electrical infrastructure along roads or for septic system effluent distribution. Compliance with state standards guarantees safety, durability, and operational efficiency.

Article Content

The Source: GDOT Specifications for Contractors

Within The Source, contractors will find information pertaining to bridges, culverts and retaining walls, construction manual, erosion control, earthwork, pavements, special provisions, specifications, and

Approved Plastic Distribution Boxes

Georgia Department of Public Health Environmental Health Section Current List of Approved Manufacturers of Plastic and Fiberglass Distribution Devices and Accessories for On-Site

GA DPH Onsite Sewage Manual

Distribution and dosing devices include distribution boxes, flow splitters, siphons, pumps and other flow diversion devices. These devices shall be of sound construction, water tight and not

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ECG Construction Spec Book

The ECG Spec Book contains a set of fundamental design standards covering types of overhead and underground distribution construction, with particular focus on attaining proper clearances, spacing,

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Georgia Department of Transportation – GDOT

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Georgian Metal Distribution Box Production

Overview Box production process for electrical enclosures—steps from material planning to inspection, with solutions to plasma cutting issues. In 2011, Rustavi steel LLC was established to acquire the

ELECTRICAL SERVICE

BLUEBOOK FOR ELECTRICAL SERVICE AND METER INSTALLATIONS This book represents the present policies and objectives of the Georgia Power Company within the revenue metering area. It

Distribution Box.

Electric On-Road - Distribution Box. - Hey Guy''s, Can anyone refer me to any magaizine article''s or pic''s of there own experence''s on building a distribution box from there power supply.

Georgia Overdose Prevention

Georgia Naloxone Distribution Boxes Map of locations in Georgia offering FREE Naloxone or Narcan via distribution boxes. Many have 24 hour access. Check

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Section 7: Signs, Signals, & Markings

Section 7: Signs, Signals & Markings This Section Covers Road Signs Shapes of Signs Regulatory Signs Warning Signs Guide Signs Construction and Maintenance Warning Signs Service Signs

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