



Storm Drain Inspection Checklist

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General Information

- ☐ Client name
- ☐ Address
- ☐ Date of inspection
- ☐ Inspector name
- ☐ Inspector ID/License Number

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Inspection Type

- ☐ Routine Maintenance
- ☐ Post-Storm
- ☐ New Installation
- ☐ Complaint / Fault Investigation
- ☐ Property Transfer Inspection
- ☐ Other: _____

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Site Classification

- ☐ Residential
- ☐ Commercial
- ☐ Industrial
- ☐ Municipal / Institutional

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Drainage Structure Information

- ☐ Curb Inlet
- ☐ Grated Inlet
- ☐ Manhole
- ☐ Junction Box
- ☐ Outfall
- ☐ Other: _____

Nearby Water Body (if applicable): _____

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Documentation & Compliance

Permits & Records

- ☐ Confirm that approved consent plans and permits are on-site
- ☐ Check the drain-layer's license is verified and current
- ☐ Ensure site-specific risk assessments and safety plans are available
- ☐ Verify that 'as-laid' drawings are provided or submitted
- ☐ Confirm that manufacturer specifications are available for all system components

Regulatory Compliance

- ☐ Check if the installation complies with local drainage codes
- ☐ Verify that the documentation aligns with the design and engineering drawings
- ☐ Check any alternative solutions or deviations documented and approved

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Materials Review

Pipe System Components

- ☐ Check if pipes are made of approved materials (PVC, HDPE, etc.)
- ☐ Inspect the pipe diameter and ensure the class meets design specs
- ☐ Confirm that joints are primed, glued, or gasketed as per the manufacturer's specs

Bedding and Support

- ☐ Ensure that proper bedding material (clean sand or crushed stone) is used
- ☐ Confirm that all pipes are fully supported along their length
- ☐ Ensure there are no sharp objects or debris in the bedding zone

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Installation Inspection

Inlet and Outlet Structures

- ☐ Confirm the inlet structure is visible and accessible
- ☐ Test the grates/covers to ensure they are securely in place and undamaged
- ☐ Make sure no debris is blocking the inlet or outlet flow
- ☐ Check for signs of corrosion, cracks, or displaced parts
- ☐ Ensure that there is no vegetation obstructing access or flow
- ☐ Verify that soak holes or dry wells are correct in diameter and depth
- ☐ Check if perforated pipes are installed in an approved gravel bed (if applicable)
- ☐ Test all drainage lines that discharge to confirm their approved outfall locations

Interior Structure Condition

- ☐ Check the walls for cracks, spalling, or exposed rebar
- ☐ Verify that pipes are properly aligned and securely connected
- ☐ Ensure that there is no sediment buildup beyond acceptable limits
- ☐ Confirm that the flowline is clear and unblocked



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Water Flow and Quality

- ☐ Ensure that the flow is observed during inspection
- ☐ Check for signs of stagnant water or backup
- ☐ Verify that the water appears clear (no oily sheen or foul odor)
- ☐ Confirm that there is no evidence of illegal discharges or dumping
- ☐ Test for unusual color, turbidity, or foam

Standing water present? ☐ Yes ☐ No

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Environmental & Safety Checks

- ☐ Remove all trash, leaves, or organic matter present
- ☐ Confirm that sediment does not exceed $\frac{1}{3}$ of the pipe diameter
- ☐ Ensure a sediment control (e.g., silt fence) is in place and functioning
- ☐ Keep the system separate from the sanitary sewer (no cross-connection)
- ☐ Confirm that all pollution prevention measures are followed during installation
- ☐ Ensure that manhole lids are secure and intact
- ☐ Check all frames and confirm that they show no signs of shifting or settlement
- ☐ Verify that there are no odors or visible gases escaping

Confined space entry required? ☐ Yes ☐ No



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Final Assessment

- ☐ Satisfactory: No issues found
- ☐ Needs Maintenance: Minor repairs or cleaning needed
- ☐ Immediate Attention: Structural or flow issues present

Inspector Signature: _____

Date: _____

Supervisor Review: _____

Review Date: _____

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