

Miami-Dade County Sewer System Review Matrix

VERSION 2.1 September 2021

No.	Type and Configuration of Sanitary Sewer System Connection	Dia.	Length of $\geq 6''$	POC	FDEP Permit	DERM Review	Profile?	Lateral Assessment?	Manholes?
1	Individual service connection for single family residences.	N/A	N/A	N/A	No	No	N/A	N/A	N/A
2a	Individual service connection from a single building, other than a single family residence and not including a FOG facility.	$\leq 6''$	< 1,000 Lft	building drain to lateral/main	No	No	N/A	N/A	N/A
2b	Individual service connection from a single building, other than a single family residence and not including a FOG facility.	$\leq 6''$	$\geq 1,000$ Lft	building drain to lateral/main	No	Yes	yes	Yes if using existing lateral.	No
2c	Individual service connection from a single building, other than a single family residence and including a FOG facility.	$\leq 6''$	N/A	building drain to lateral/main	No	Yes	yes	Yes if using existing lateral.	No
3	Private Collection System (Building Sewer system not an individual service connection).	$\leq 6''$	N/A	N/A	No	Yes	Yes	Yes if using existing lateral.	No
4	Individual service connection from single building.	$\geq 8''$	N/A	Existing Public Lateral NOT requiring replacement	No	Yes	Yes	Yes. If assessment requires replacement, MUST use new MH.	<ul style="list-style-type: none"> • W/in 200 ft of Building Drain • End of each line (terminal) • Change in slope, size, alignment, direction, intersections, and junctions. • Spacing based on diameter.
5				New MH on main	Yes	Yes	Yes	No	
6				Existing MH on main	No	Yes	Yes	No	
7	Private Collection System (Building Sewer system not an individual service connection).	$\geq 8''$	N/A	Existing Public Lateral NOT requiring replacement	Yes	Yes	Yes	Yes. If assessment requires replacement, MUST use new MH.	
8				New MH on main	Yes	Yes	Yes	No	
9				Existing MH on main	Yes	Yes	Yes	No	
10	Public Collection system	N/A	N/A	N/A	Yes	Yes	Yes	N/A	
11	Private Pump Station for SFR Note: FM (not lateral) in ROW requires FDEP/DERM approvals.	N/A	N/A	FM	No	Yes	Yes	N/A	N/A
12	Any configuration above with Private Pump Station.	N/A	N/A	N/A	Yes	Yes	Yes	N/A	N/A

Applicable Codes: Chapter 62-604, FAC and Section 24-15, Section 24-25, & Section 24-42.2, Miami-Dade County Code

Miami-Dade County DERM Sewer System Review Criteria

Building Drain → Building Sewer → Service Connection (Lateral)

- A. In general, pipe size ***SHALL NOT*** be reduced in the direction of flow.
- B. Where an Engineering Analysis demonstrates that a change in pipe size from building drain to building sewer is unavoidable and will NOT adversely impact the operation of the entire system, the Department may approve subject to the following MINIMUM criteria:
 - a. Change in pipe size must not exceed 2 pipe sizes.
 - b. Change in diameter must occur ***only once*** and in a **building sewer manhole** (only one pipe in & only one pipe out), with flow channel properly shaped to minimize turbulence due to change in sewer size.
 - c. Building sewer shall be designed with manning's roughness coefficient "**n**" **equal to 0.013** (never smoother).
 - d. Building sewer shall be the same diameter as lateral and sized based on a **maximum depth of 0.8** of pipe inside diameter at peak discharge. **Peak factor shall NOT be less than 4.**
 - e. Building sewer slope shall result in **2 fps minimum velocity** [and satisfy required inverts].
 - f. **Manholes are required for all new 8-inch and greater building sewers** as follows:
 - i. W/in 200 ft of Building Drain.
 - ii. End of each line and where two or more incoming lines are joined.
 - iii. Change in slope, pipe size, alignment, direction, intersections, and junctions.
 - iv. At public main point of connection [unless lateral is existing and does not require replacement based on assessment].**
 - v. Spacing based on diameter.
- C. Depending on project specifics, a remote level sensing device installed in the manhole where size changes may be required. The sensor(s) shall be "**non-contact**" and **provide real-time monitoring** and access.

Miami-Dade County DERM SLAP^{1.0}

Program Goal: Eliminate Inflow, Infiltration, and Exfiltration

No.	Sanitary Lateral Replacement/Rehabilitation Criteria	WASD Requires Assessment of Existing Lateral?		DERM Requires Evaluation of Existing Lateral??	
1	New development project with existing VCP or CI sanitary sewer lateral – Roadway not under moratrouium.	No	Replace lateral, from R/W to Main.	No	Replace lateral, Private & Public Lateral to Main.
2	New development project with existing VCP or CI sanitary sewer lateral – in FDOT ROW under moratrouium.	Yes	Rehabilitate lateral, if possible, from R/W to main.	Yes	Evaluate lateral (private & public), Replace, or rehabilitate if required ⁽¹⁾
3	No new development or plans for Sanitary Sewer System, but missing lateral C.O.	No		No	However, replace lateral if found defective at time of C.O. installation.
4	New development project with existing sanitary sewer lateral – NOT VCP or CI: < 10 yrs old.	No		No	
5	New development project with existing sanitary sewer lateral – NOT VCP or CI: > 10 yrs old or hisory of I&I.	No	Action by RER_DERM	Yes	Evaluate lateral (private & public), Replace, or rehabilitate if required ⁽¹⁾
6	New development project with existing sanitary sewer lateral in SSES non-compliant basin.	No	Action by RER_DERM	Yes	Evaluate lateral (private & public), Replace, or rehabilitate if required ⁽¹⁾
7	New development project with existing sanitary sewer lateral for facility previosly identified as contribunuting Inflow, infiltration or exfiltration.	No	Action by RER_DERM	Yes	Evaluate lateral (private & public), Replace, or rehabilitate if required ⁽¹⁾
8	Project not requiring utility review, but determined to be contributing Inflow, infiltration, or exfiltration.	No		Yes	Evaluate lateral (private & public), Replace, or rehabilitate if required ⁽¹⁾

(1) Replacement/Rehabilitation Criteria:

- Barrel or joint defects
- Root intrusion
- Infiltration
- Other

(2) Lateral Assessment **Minimum Requirements:**

- Analysis/Recommendation by the EOR
- Pictures/Documentation
- TVing, smoke testing, Infiltration/Exfiltration testing, etc.
- Signed/Sealed by PE.

SLAP = Sanitary Lateral Assessment Program