

Manholes: Status Documentation Wastewater Conveyance System The Green Association

- Original Installation: ≈1972
- Construction: concrete bricks with cast iron lid, 2' dia. top tapered to 4' dia.
- Inlet & outlet pipes are primarily cast iron, with few exceptions
- Inlet pipe sizes=4" from Units, outlet pipe sizes=6" that connect manholes

Number	Location	Depth (inches)	Distance to Next (6" Cast Iron)	Concerns
1	Front of Unit 8A, 41' from front of bldg	75		Apparent blockage at 35' dnstream, no inlet or outlet pipes visible-see pic—obstruction cleared by high pressure water jetting *Increase elevation by 6" to raise to surface
	Serves Units 7A/7B/8A		84'	
2	Front of Unit 8B, 50' from front of bldg	90		*Increase elevation by 6" to raise above bed
	Serves Unit 8B & manholes #1 & #3		188'	
3	Front of Unit 4B, 41' from front of bldg	74		
	Serves Units 4A/4B/5A/5B/6A/6B		96'	
4	Intersection of Muirfield Ct. & The Green streets	152		
	Serves manhole #2 & #5, then outlets to pump house		110'	
5	Front of Unit 11B, 85' from front of bldg	49		
	Serves building Units 9-12		146'	
6	Front of Unit 2A, 36' from front of porch	84		
	Serves building Units 1 & 2		133'	

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7	Front of Unit 3A, 67' from front of building	115		*Increase elevation by 2" to same level as stone in drive
	Serves Units 3A/3B and manhole #6, then outlets to pump station		85'	
TOTAL			842'	Cast iron pipe

Estimated total length of 4" cast iron pipe from all Units to manholes \approx 1600'

Summary of immediate needs:

- Determine condition of cider block pump sump pit
- Determine volume (gal) of pump cycle
- Estimate remaining life of all components
- Revise reserve account to reflect current condition
- Install concrete risers to raise three manhole lids [#1, 2, & 7]
- Install automatic dialer on alarm system
- Service Phase Sequence & Loss Monitor, Model #SLA-230-ASA (see pic)



Manhole #1



Manhole #2



Manhole #3



Manhole #4



Manhole #5



Manhole #6



Manhole #7

