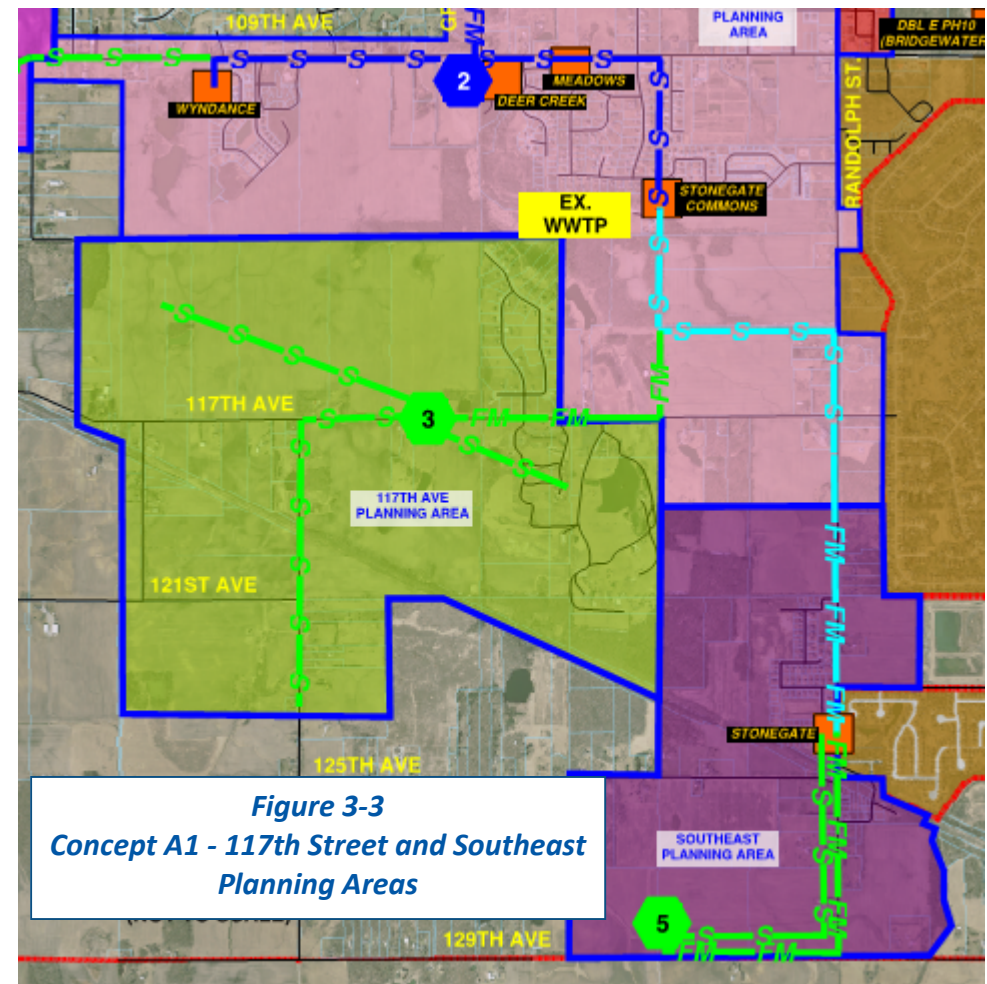


# Petitioner's Exhibit 6

northward within portions of the existing off-site Stonegate sewer to the WWTP. Running the force main northward along the west boundary and then east along the north boundary of Prairie Crossing should not be considered because access to the WWTP would require a long wetland crossing north of Prairie Crossing Subdivision. This would make the forcemain for this regional lift station difficult to access and maintain in the future.

### 3.6 Southeast Planning Area

The Southeast Planning Area encompasses the Stonegate Subdivision, future Stonegate North Subdivision and areas southward to 129th Avenue as shown in **Figure 3-3**. All the improvements in this planning area would be developer driven. As the area south of Stonegate develops, a regional lift station is required adjacent to 129th Avenue and one of the tributaries to Stony Run Creek. Gravity sanitary sewer would be extended to intercept all sewers tributary to the existing Stonegate Lift Station. The sanitary sewer would extend southward to the regional lift station. The regional lift station would pump northward and tie into the existing Stonegate force main. The regional lift station, denoted as a green hexagon and “5”, would need to be sized for an ultimate 1,000 gpm firm capacity, 8-inch diameter force main, and a minimum 10-foot diameter wet well. Lower sized pumps and aeration may be required during the interim until the area was fully developed. The existing size of the Stonegate lift station force main would require an analysis at the time of development to determine whether pumps could be provided for the flow and head conditions, or whether a parallel force main was required.



**Figure 3-3**  
**Concept A1 - 117th Street and Southeast Planning Areas**

