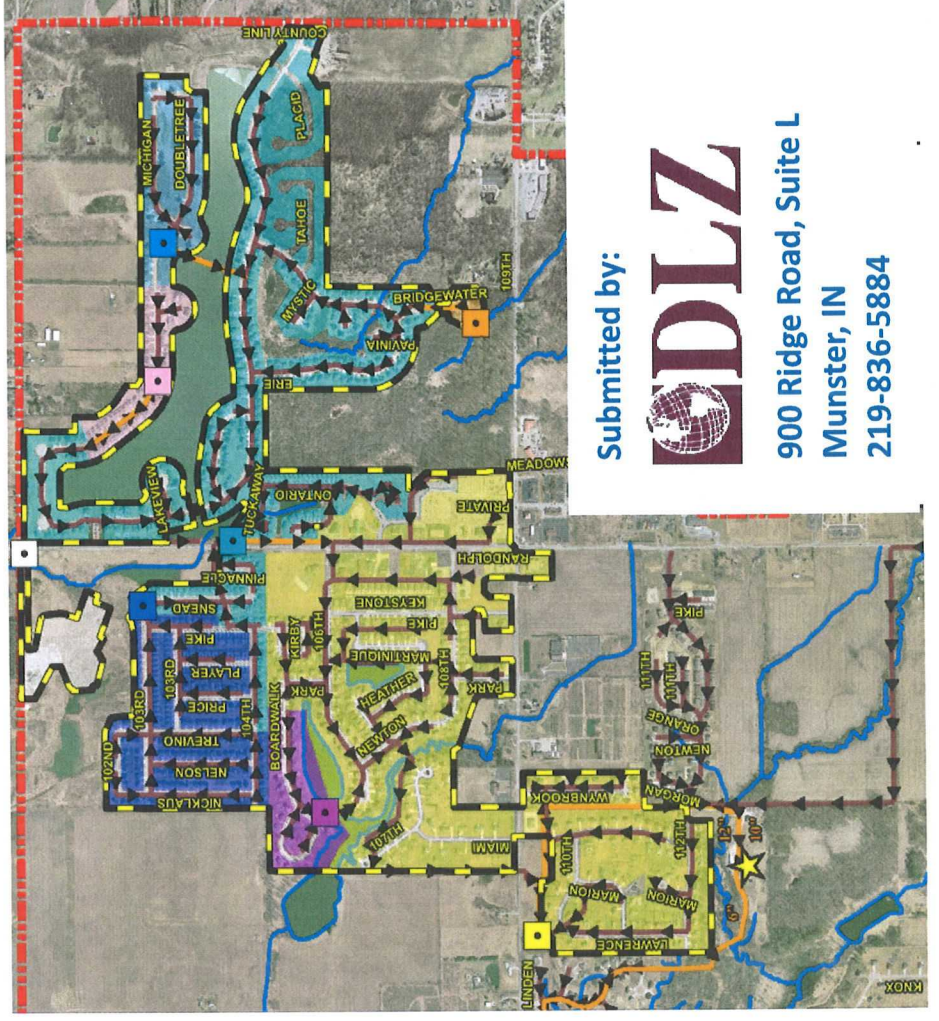


Petitioner's Exhibit 6

Town of Winfield, Indiana Sanitary Master Plan

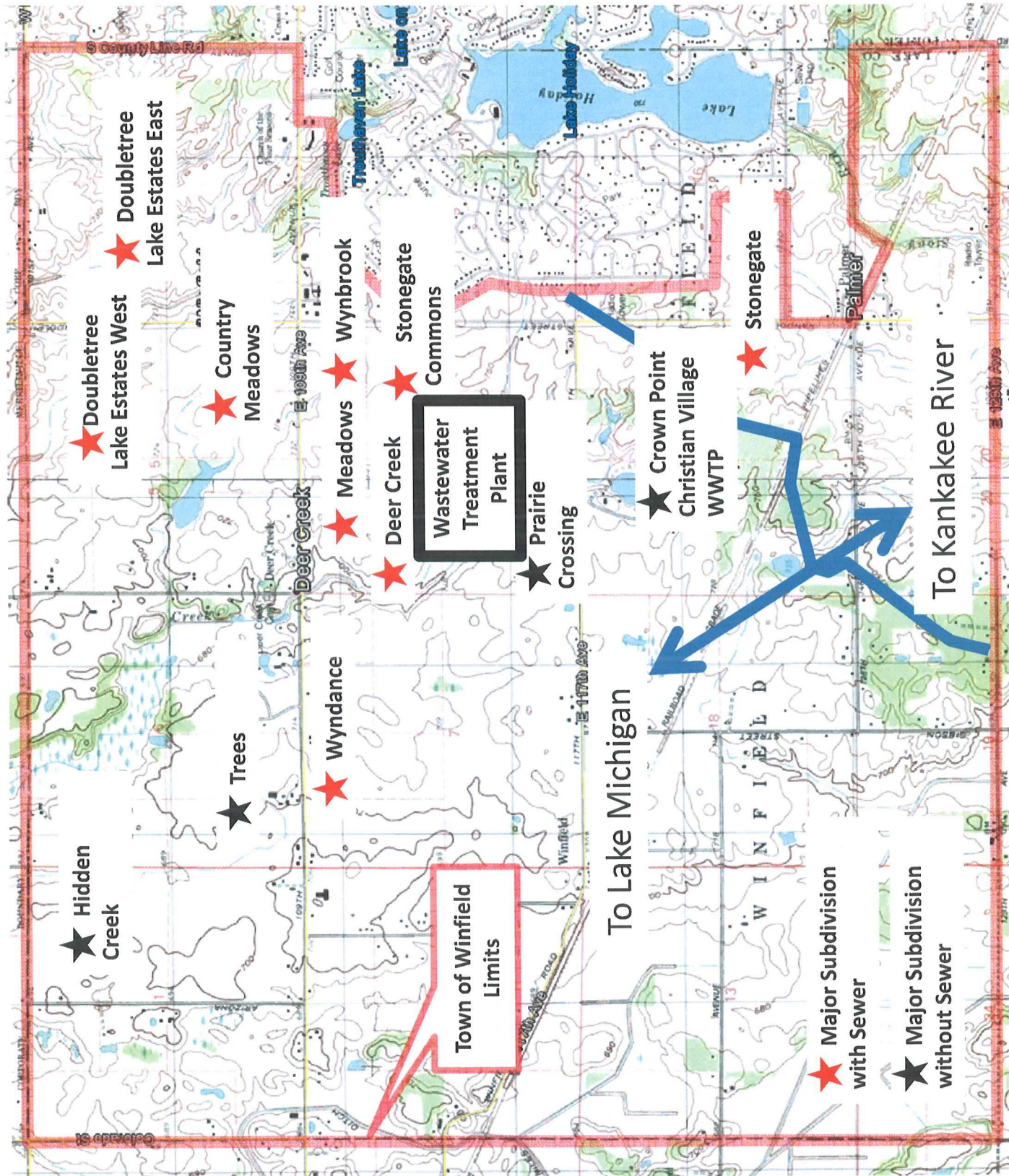
January 26, 2016



Submitted by:



900 Ridge Road, Suite L
Munster, IN
219-836-5884



January 26, 2016

Town of Winfield
Sanitary Board
10645 Randolph Street
Winfield, Indiana 46307

**RE: Town of Winfield, Indiana
Sanitary Master Plan**

Dear Distinguished Board Members:

DLZ Indiana, LLC (DLZ) is pleased to present this Sanitary Master Plan (Plan) for the Town of Winfield. This Plan was developed at the direction of the Town Council and the Sanitary Sewer Board of the Town of Winfield and is intended to provide an overview of the wastewater collection and treatment system, its current capabilities, a plan to guide the Town in future growth decisions, and a capital improvements plan for identifying costs required to maintain and upgrade the Town's current wastewater infrastructure.

The Town of Winfield is located on the "Continental Divide" which separates the Lake Michigan watershed and the Kankakee River watershed. The wastewater treatment plant was also located on relatively high ground. Development throughout the Town began in several "seed" areas scattered throughout the Town. These characteristics resulted in a relatively large number of lift stations and subdivisions not served by sanitary sewer systems throughout the Town.

The Town of Winfield is relatively young, established in 1993. While many of the challenges facing the Town's wastewater infrastructure are not unique, Winfield is in a special position to plan for these challenges at an early stage. This Plan should be considered a "living" document that should be updated every few years as dictated by infrastructure and/or development changes.

DLZ appreciates the opportunity to provide this report and welcomes further discussion of the contents. Should you have any questions, please contact us at your earliest convenience at 574-236-4400 or 219-836-5884.

Respectfully submitted,

DLZ Indiana, LLC

Mark H. Nye, PE
Division Manager



Michael P. Duffy Jr., PE, PS
Project Manager



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.

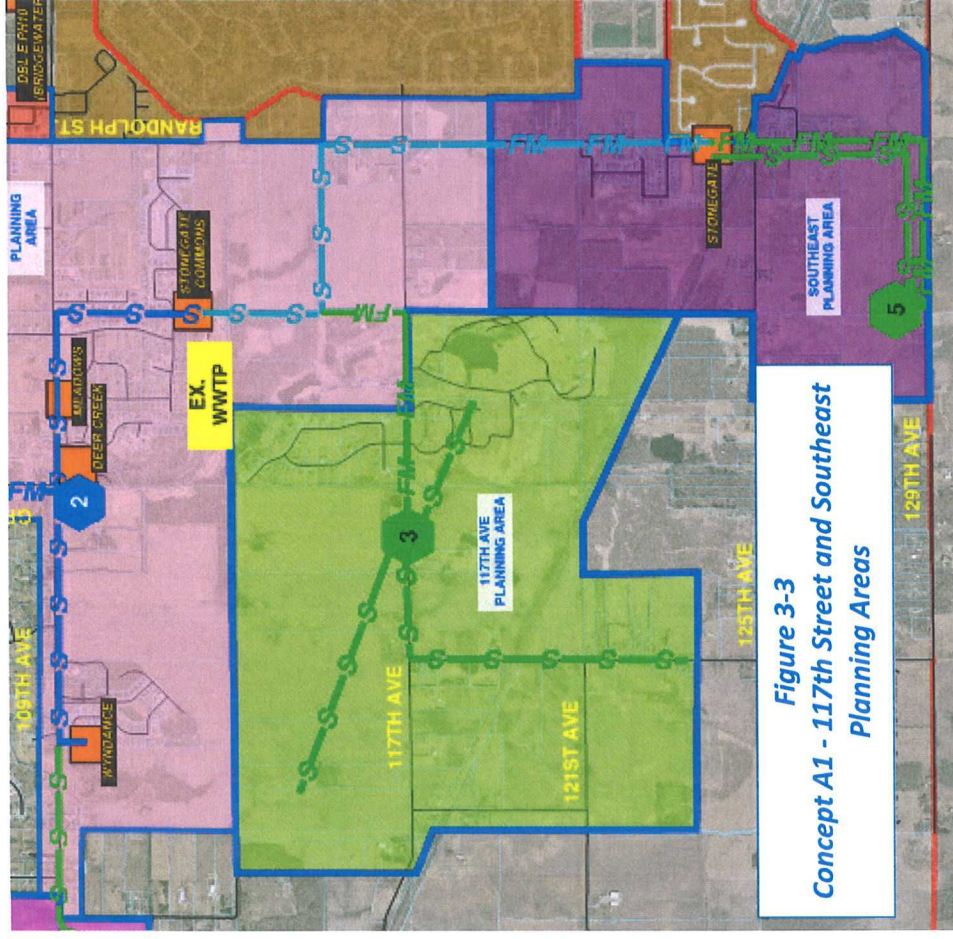
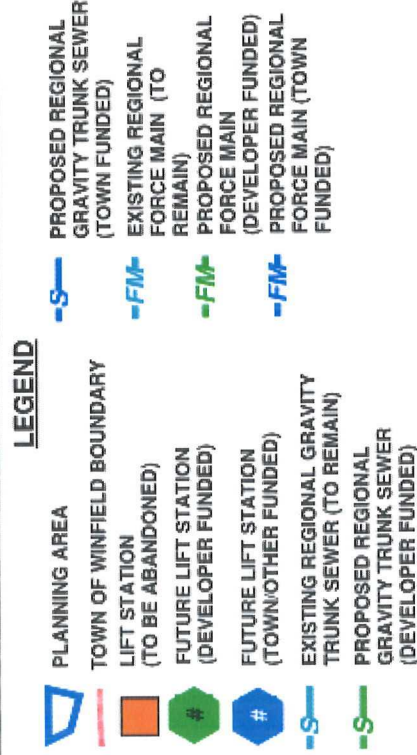


Figure 3-3
Concept A1 - 117th Street and Southeast Planning Areas



SECTION 4 - COLLECTION SYSTEM MASTER PLAN—CONCEPT B

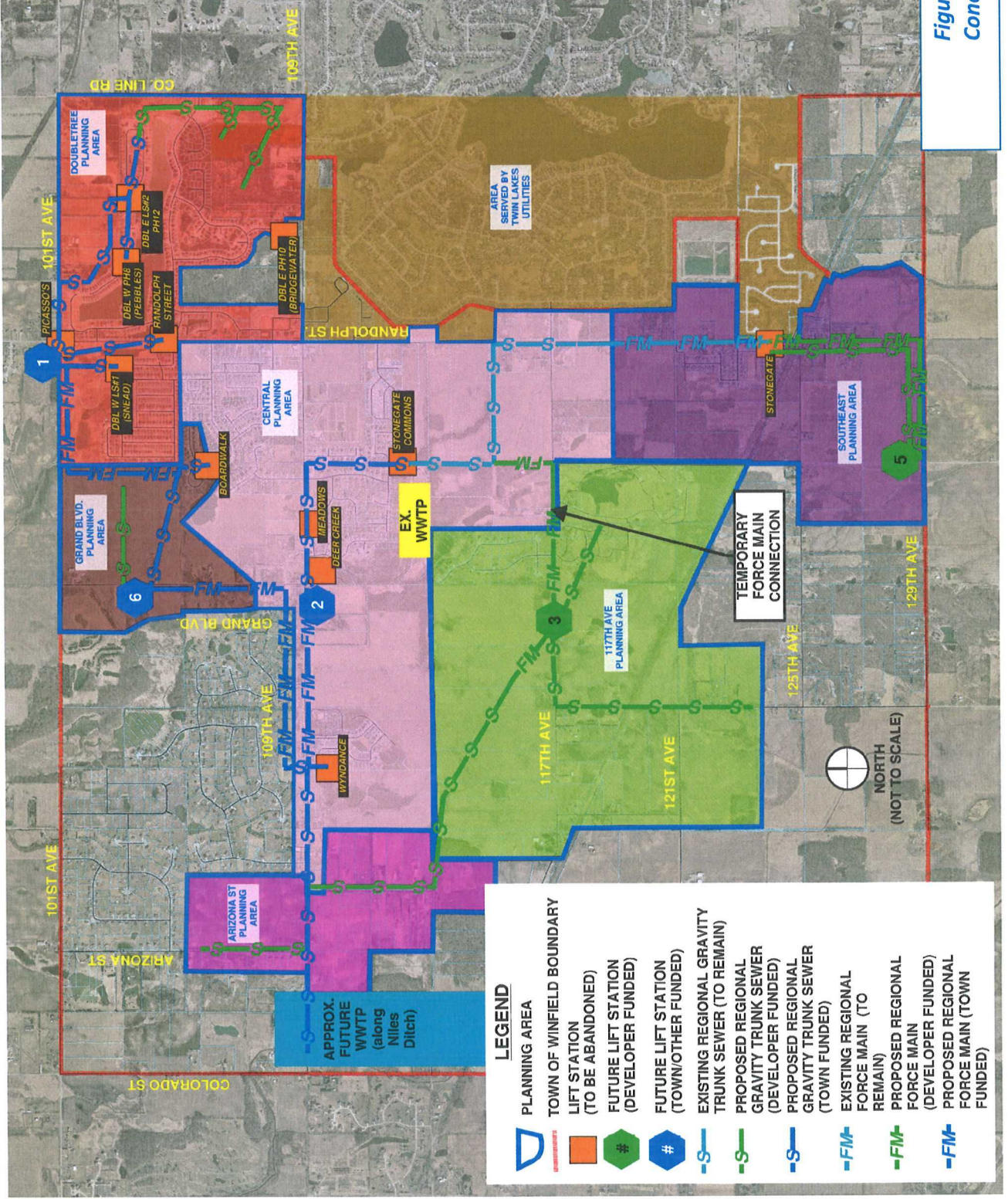


Figure 4-1
Concept B



SECTION 6 - COLLECTION SYSTEM MASTER PLAN—CONCEPT D

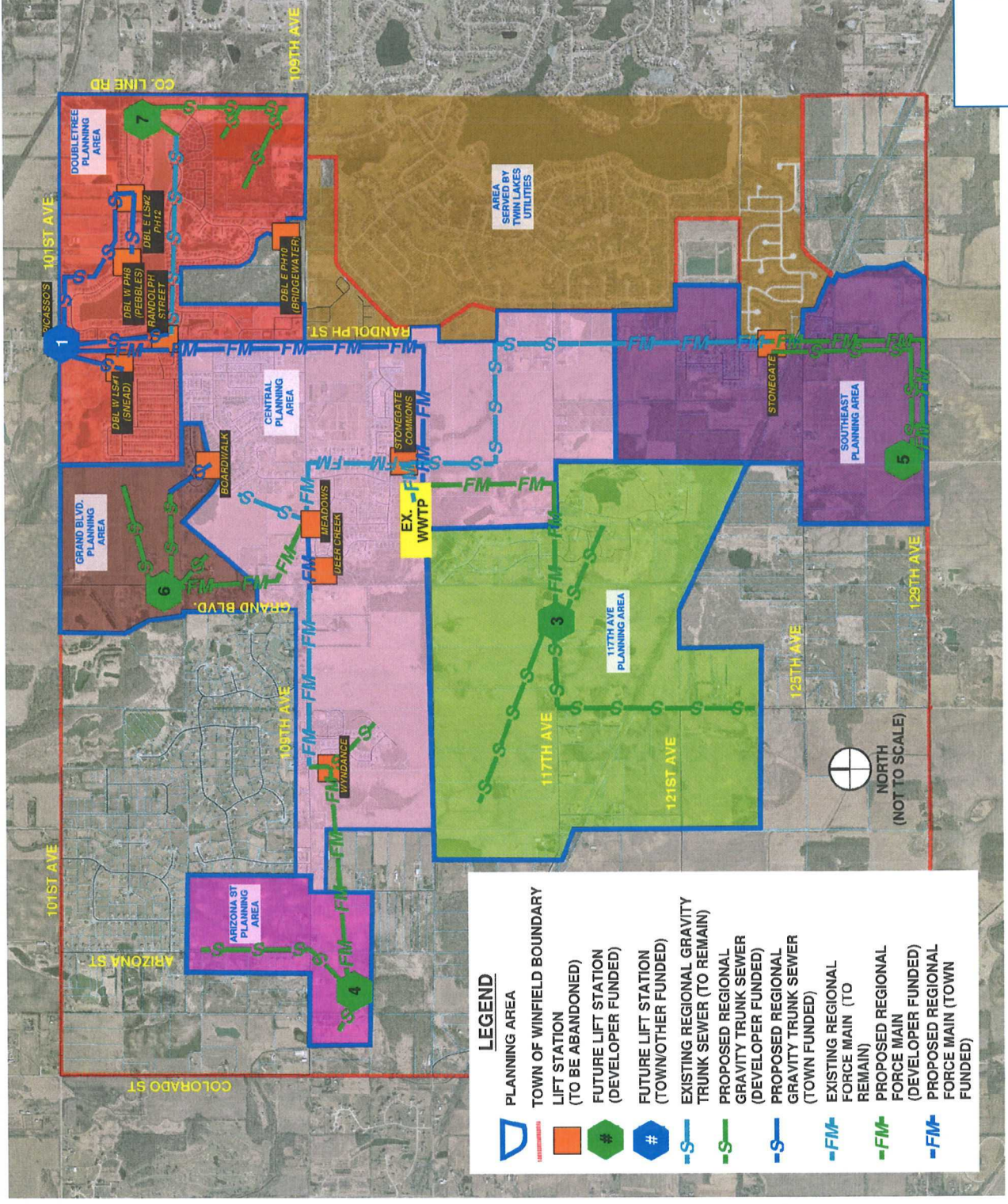


Figure 6-1
Concept D