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“EFFICIENCY IS MAXIMIZED WHEN SHARING OCCURS”

WHEATON SANITARY DISTRICT’S NORTHSIDE INTERCEPTOR SEWER REPLACEMENT PROJECT TO BRING GROWTH AT THE MARMION ABBEY APPLE ORCHARD IN AURORA

WHEATON, IL – In May 2021, Wheaton Sanitary District (WSD) embarked upon its largest capital improvement project in its almost 100-year history – The Northside Interceptor (NSI) Sewer Replacement Project. It has always been a goal to maximize any efficiencies in all that the District does, especially when it comes to capital improvement projects. So, when WSD recently was constructing its NSI Project through Northside Park in Wheaton, large amounts of peat were being excavated in order to lay the new pipe. Like many construction spoils, the peat needed to be hauled away and disposed. It was determined that Wheaton Sanitary District could dispose of the large amount of peat it removed as part of the NSI Project for only the trucking costs by taking the peat to the Marmion Abbey. The Marmion Abbey could use the peat to mix in the depleted soil of its apple orchard, thus improving the overall soil quality. The District has been planning the NSI Project for about a decade and has saved millions of dollars through value engineering, condensing the Project timeline, and various other efficiencies like sharing the removed peat.

“The NSI Project will improve the overall infrastructure, bring money and jobs into the region, reduce infiltration and inflow, increase flow and efficiencies, and Wheaton Sanitary District still will remain around the national average for sanitary sewage treatment charges,” states Wheaton Sanitary District Executive Director, Matthew Larson. Larson went on to say that, “It is always nice to see efficiencies manifested in a project, especially a project of this magnitude. We are very happy to have been able to share the peat from the NSI Project to help the Marmion Abbey with their apple orchard.”

Protecting Public Health - Preserving the Environment

IAWPCO Class A Plant of the Year – 1988 & 2003
NACWA Gold Peak Performance Award – 2004, 2012, 2013, 2014, 2015, 2018, 2019 & 2020
NACWA Silver Peak Performance Award – 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2016, & 2017
Conservation Foundation Clean Water Award 1998, 2000, 2001, 2005, 2007, 2009, 2012, & 2016
USEPA Region 5 Operations and Maintenance Award 1st Place – 2005
USEPA Excellence in Operations & Maintenance Award 2nd Place – 2005

Wheaton Sanitary District

December 1, 2021

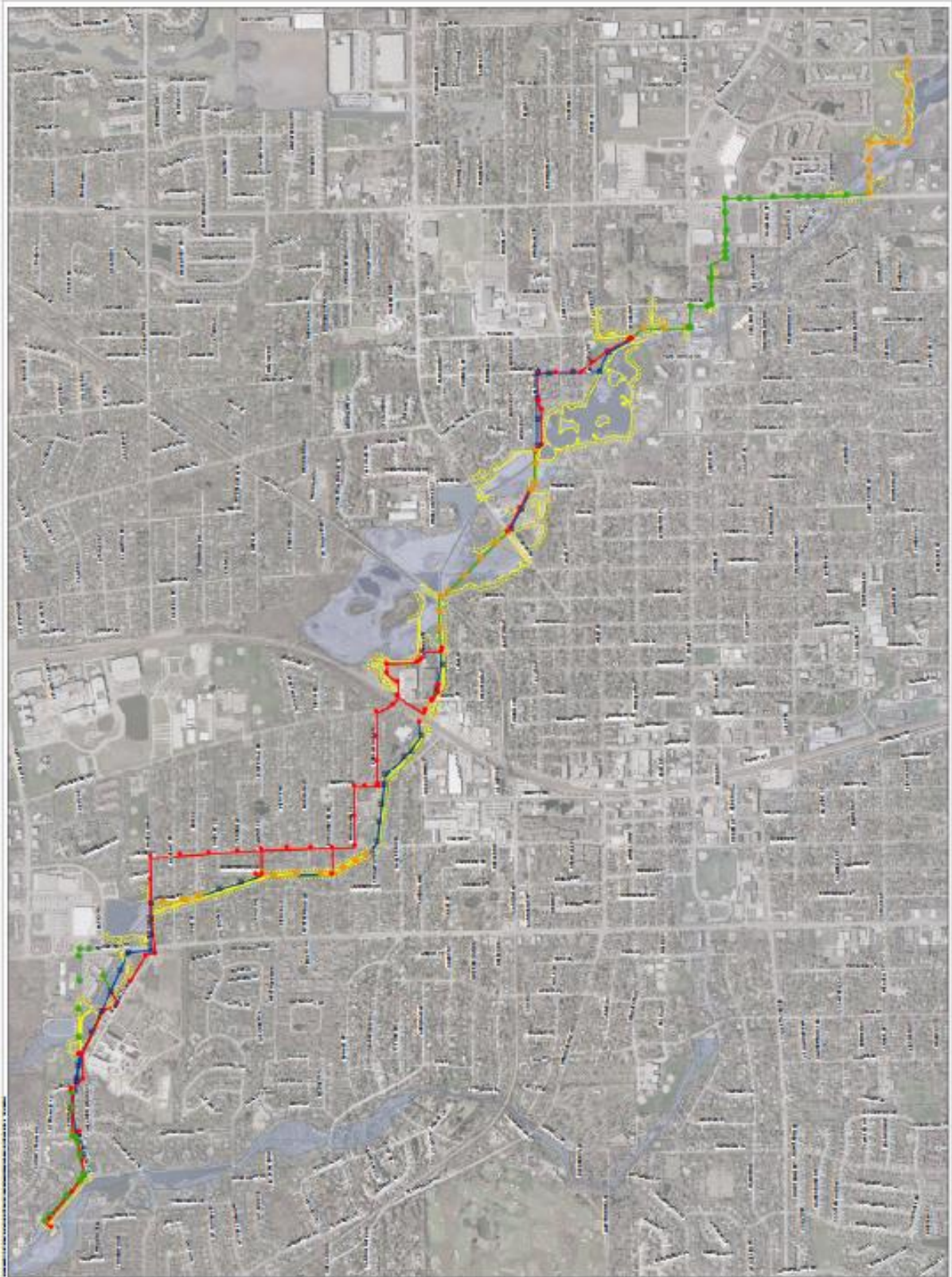
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The Marmion Abbey has been in existence since 1933 when monks from southern Indiana arrived to conduct the Catholic High School for Boys on Lake Street in Aurora. In 1947, the School became Marmion Academy. Through the years and due to much growth and development, two farms were purchased on Butterfield Road in Aurora to house the new Abbey and Academy, which the monks first occupied in 1952. Later land purchases grew the site to almost 350 acres. The Abbey's first source of supplemental revenue was the Christmas Tree Farm whose first crop of trees was ready for sale in 1970. The supplemental income has since expanded into an apple orchard, pumpkin and other produce farm, and the site now hosts various public events throughout the year.

Wheaton Sanitary District is an independent government agency governed by a three-member Board of Trustees. It was created in 1925 and serves most of the City of Wheaton, a portion of the Village of Carol Stream, a portion of the Village of Glen Ellyn, one property in the Village of Glendale Heights, and many unincorporated areas of DuPage County. The District serves approximately 63,000 people over an area of approximately 9,000 acres. WSD owns and operates three separate interceptor sewers which collect wastewater from local sewer systems and convey wastewater to the District's Wastewater Treatment Plant (WWTP) on Shaffner Road in Wheaton. The District's three interceptors include the Northside Interceptor (NSI), Southside Interceptor (SSI), and County Farm Road Interceptor (a.k.a. Northwest Interceptor). Local sewer systems are owned by the City of Wheaton, Village of Carol Stream, and Wheaton Sanitary District.

Due to capacity limitations, inflow and infiltration issues, sewer and associated manhole deterioration, after years of planning, WSD started to reconstruct and upsize its Northside Interceptor. The NSI Sewer Replacement Project will replace the major pipe that runs from southern Carol Stream into the WWTP. This 5.2-mile Interceptor, installed in 1926 and 1962, has reached the end of its useful life and needs to be replaced. The new NSI ranges in size from 24 inches to 60 inches in diameter, with the majority of the pipe being 48 inches. The overall NSI Project is projected to last three years, with pipeline construction to take around two years. Construction methods for the new Interceptor pipeline include open-cut excavation, pipe augering, and micro-tunneling. A map of the route and photos are included for reference. Since the Southside Interceptor Sewer Replacement Project was completed in 2012, all of WSD's major interceptor pipes will be restored when the NSI Project is completed, and should not need replacement in our lifetimes. On-going updates to the NSI Project information can be found on the District's website (www.wsd.dst.il.us/About-WSD/News).

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**NORTH SIDE INTERCEPTOR
WHEATON SANITARY DISTRICT**



Legend

- Existing Manhole to Remain
- Proposed Manhole
- Existing Manhole to be Rehabilitated
- Existing Manhole to be Abandoned
- Existing Interceptor to Remain
- Proposed Interceptor
- Existing Interceptor to be Rehabilitated
- Existing Interceptor to be Abandoned
- Wetland Boundary
- Wetland Buffer
- 1% Annual chance floodplain
- 0.2% Annual chance floodplain
- Floodway, AC







