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PRESS RELEASE

Ribbon Cutting for the Stephens Road Detention Basin in Warren

Warren, MI (Feb. 24, 2025) – Completion of the Stephens Road Detention Basin project was marked with a ceremonial ribbon cutting on Monday, Feb. 24 at the site, 14210 Stephens Road in Warren.

The 22 million gallon detention basin will serve as an intermittent storage facility for excess wet weather flows resulting from significant wet weather events. This will mitigate the risk of sanitary sewer overflows and basement flooding. The basin was sized and designed to handle wet weather flows from the 9 Mile sanitary sewer service area. Flows to the basin are conveyed via a new 48" diameter force main, constructed in 2021.

"Completion of the Stephens Road Detention Basin is a culmination of over ten years of tireless work by many who were directly or indirectly involved with Warren's sanitary sewer overflow program improvements," said Donna Dordeski, Warren Waste Water Treatment Division Head. "We want to express our appreciation to the City of Warren leaders, residents, and businesses for their patience and support on this multi-year, multi-phase project, and we look forward to begin utilization of this facility to effectively manage and control conveyance of the wastewater to eliminate sanitary sewer overflows".

"This event marks a significant milestone for the City of Warren and METCO as we have been on this journey of sanitary sewer overflow mitigation since 2011 and now we can see our vision come to reality," added Sean Grant, METCO Engineer.

The Stephens Road Detention Basin is the last phase of the City's Sanitary Sewer Overflow (SSO) elimination program. The SSO elimination program also included the installation of several miles of relief sewers (2012 through 2015), and improvements to the City's 9 Mile Road Pump Station. Combined costs for all phases of the program are approximately 95 million dollars.

Stephens Road Detention Basin Project Highlights:

- Construction Commenced: Spring of 2021
- Construction Cost: \$37,500,000
- Basin Dimensions: 900 feet long x 210 feet wide, depth varying from 20-25 feet; recessed into the ground to fit in with surrounding neighborhood
- Capacity: 22 million gallons
- Excavation: 164,000 cubic yards (or 4,428,000 cubic feet)
- Reinforcing Steel Installed: 4,684 tons (or 9,368,000 pounds)
- Concrete Installed: 40,000 cubic yards (or 162,000,000 pounds)
- Basin Walls: 2 feet thick
- Roof: Can be driven on for ease of maintenance
- Eight (8) Flushing Lanes: The self flushing system utilizes stored diluted wastewater from wet weather events to clean sediment build up
- Two (2) Tipping Buckets: Used for flushing deposit accumulation near the discharge part of the basin
- Odor Control: Includes Odor Control Unit to prevent odor nuisance to the nearby residents
- Basin Operation: Can be operated remotely from the City's Waste Water Treatment Plant
- Basin Draining: Will drain via gravity, no pumps needed to drain the basin after the wet weather event

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