



CITY OF NOVI CITY COUNCIL
SEPTEMBER 14, 2026

SUBJECT: Consideration of approval of assessment payment to Oakland County for the Caddell Drain Rehabilitation project at the intersection of 9 Mile and Drake Roads, in the amount of \$220,134.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

KEY HIGHLIGHTS:

- Project includes rehabilitation of the Caddell Drain's four-barrel crossing at the intersection of 9 Mile and Drake Roads in Farmington Hills.
- The Caddell Drain is an Intracounty Drainage District (Chapter 20).
- The City of Novi is responsible for \$220,134 of the \$6M project's total costs.
- The Oakland County Water Resources Commissioner's Office (OCWRC) is managing the project.

FINANCIAL IMPACT

	FY 2026/27
EXPENDITURE REQUIRED	\$ 220,134.00
BUDGET Drain Fund 211-445.00-936.151	\$ 220,134.00
APPROPRIATION REQUIRED	\$ 0
FUND BALANCE IMPACT	\$ 0

BACKGROUND INFORMATION:

The Caddell Drain is an Intracounty Drainage District (Chapter 20) located in the cities of Farmington and Farmington Hills. It was first constructed in several phases in the 1980s to provide controlled drainage of several hundred acres of land in Farmington, Farmington Hills, and Novi (see attached map depicting the Caddell Drain's drainage district, including the 105 acres in the Village Oaks/Stonehenge area of Section 25 in the City of Novi).

Maintenance and construction projects related to stormwater management in this drainage district are funded through assessments that are apportioned based on tributary area and runoff amongst the following public entities:

CITY OF FARMINGTON, Oakland County, Michigan For benefits to public health	11.90 %
CITY OF FARMINGTON HILLS, Oakland County, Michigan For benefits to public health	60.50 %
CITY OF NOVI, Oakland County, Michigan For benefits to public health	3.8 %
OAKLAND COUNTY, Michigan For benefits to county roads	5.60 %
MICHIGAN DEPARTMENT OF TRANSPORTATION For benefits to state highways	18.20 %

The Caddell Drain crosses the intersection of 9 Mile and Drake Roads in Farmington Hills through four large culvert barrels. A 2022 inspection rated the barrels in poor to severe condition, documenting corrosion, section loss, perforations, and localized deformation.

The project will rehabilitate each barrel using a custom-shaped slip liner designed to fit the existing pipe-arch geometry. New concrete headwalls will also be installed at the upstream and downstream ends. This approach extends the structure's useful life while limiting excavation and disruption associated with full replacement.

In 2024 and 2025, the Cities of Farmington and Farmington Hills petitioned the Chapter 20 Drainage Board for these improvements. The project was bid out this summer and awarded to D.V.M. Utilities, Inc in July. The City of Novi is responsible for \$220,134 of the \$6M project's total costs. The Oakland County Water Resources Commissioner's Office (OCWRC) is coordinating and managing the project.

Project benefits include:

- Addresses documented deterioration in all four culvert barrels.
- Extends service life through a structurally fitted rehabilitation system.
- Provides durable new upstream and downstream concrete headwalls.
- Protects drainage performance beneath a major local intersection.

Construction is anticipated from fall 2026 through spring 2027.

RECOMMENDED ACTION: Approval of assessment payment to Oakland County for the Caddell Drain Rehabilitation project at the intersection of 9 Mile and Drake Roads, in the amount of \$220,134.