



CITY OF NOVI
Administrative ePacket
April 06, 2023

Public Safety (Police/Fire)

[Standby Detail at Brightmoor Christian Church - Pierce](#)

[Hands-Only CPR Event - Duczyminski](#)

Infrastructure (Roads/Water/Sewer)

Economic Development (City Revenue/Job Growth)

Citizen-Focused Government (Shared Services/Customer Services)

[General Motors and EV Dealer Community Charging Program - Cardenas](#)

[Drainage at Robertson Homes Lakeview Development - Boulard](#)

Natural Areas & Features and Community Character (Community that Preserves)

Fiscally Responsible Government (Maintain)

Parks, Recreation & Cultural Services (Enhance Services)

[St. Patrick's Day Events - Klein & Lachance](#)

Capital Improvement Program

City Council Only or Confidential

MEMORANDUM



TO: JEFFERY JOHNSON, FIRE CHIEF
FROM: KEVIN S. PIERCE, FIRE MARSHAL
SUBJECT: SUMMARY OF STANDBY DETAIL AT BRIGHTMOOR CHRISTIAN CHURCH
DATE: APRIL 5, 2023

A request was received from Brightmoor Christian Church at the beginning of March to meet and discuss the use of close proximity pyrotechnics and flame effects at this year's Easter Musical "The Promise" that was scheduled to be performed March 29, 30, 31, April 1, and 2.

I met, reviewed, and discussed with Brightmoor staff the International Fire Code (2015 ed.) and NFPA 1126 (2011 ed.), "Standard for the Use of Pyrotechnics Before a Proximate Audience." Brightmoor Christian Church also agreed to reimbursing the city for any overtime incurred with their event for Fire Department staff assigned to the standby during each show. An "Operational Permit" for the pyrotechnics display was then issued by the Fire Marshal's Office.



This show included the use of four LPG produced flames on stage, four theatrical flashes, four mortar hits and two handheld torches carried by actors. To prevent the activation of the smoke detection system in the auditorium, the smoke detector in this room was disabled in the fire alarm control panel prior to each performance and was re-activated after the smoke haze cleared after each performance.

The auditorium contained 2,100 seats and nearly 75% of the seating capacity was filled for all five performances. I stood by for all the performances and was assisted by Acting Lieutenant Takla, Fire Protection Officer Andy Copeland, and station on-duty crews. I conducted all the inspections prior to each performance. I also witnessed Technical Director Systems Administrator Jimi Herr restore the smoke detection system in the auditorium after each performance. All five performances and two dress rehearsals were conducted without incident while personnel from the fire department stood by.

MEMORANDUM



TO: JEFFERY JOHNSON, FIRE CHIEF
FROM: PHILIP DUCZYMINSKI, CAPTAIN/TRAINING OFFICER (P.D.)
SUBJECT: HANDS-ONLY CPR EVENT FOR THE PUBLIC
DATE: MARCH 28, 2023

On Saturday March 25th, 2023, the Novi Fire Department partnered with Faith Community Presbyterian Church (44400 W. 10 Mile Rd. Novi) to provide a free community Hands-Only CPR/AED training from 1-3pm. 70 percent of all out-of-hospital cardiac arrests happen at home. Hands-Only CPR carried out by a bystander has been shown to be as effective as CPR with breaths in the first few minutes during an out-of-hospital sudden cardiac arrest for an adult victim.

The American Heart Association (AHA) implemented the Hands-Only CPR program several years ago. This is a non-certification program that is aimed at increasing the instances of bystander CPR and only takes a few minutes to learn. To increase the effectiveness of the program we developed a 30-minute non-certification training session that utilizes the science from the AHA Hands-Only CPR program and includes more hands-on practice with chest compressions, and AED usage.

Novi Fire Department's Lt. Ron Barratt and Lt. Matt Blamy provided the training for the event. The training featured (4) 30-minutes session between 1-3p.m. and allowed for up to 30 participants at each session. In total, we provided training to 68 participants at this event.

We were provided with excellent feedback from participants and look forward to the potential of turning this into an annual event.

**Pictures Below*



MEMORANDUM



TO: MAYOR AND COUNCIL
FROM: VICTOR CARDENAS, INTERIM CITY MANAGER
SUBJECT: MUNICIPAL EV CHARGING STATIONS
DATE: APRIL 6, 2023

This correspondence aims to update City Council on the charging stations we currently have in the community. The City installed two (2) EV charging stations back in 2011; one was located at the Police Station in the hopes of capturing visitors to Power Park and the second was installed at the Novi Public Library. Since that time, the station located at the PD was removed due to inactivity and the library station remains and is used frequently. Unfortunately, we have seen numerous disruptions to the library station and significant feedback concerning one plug not being available/operable. The station is operated under the purview of [Charge Point](#), a nationwide EV charging company. The City's ability to interact with Charge Point has been difficult, to say the least, as they are unresponsive to numerous calls, voicemails, and emails.

Concurrently the City has learned that General Motors is providing several charging stations to its dealers to distribute within their communities. The attached information provides background on how the stations would look as it would provide some acknowledgment to the dealer that "donated" it. The City would be responsible for installing the station and ownership after 3-5 years. I intend to engage with Feldman Auto Group to swap out a new charger with the old Charge Point charger at the library to provide an consistently operable and accessible station at the library. Costs should be minimal should the existing infrastructure prove sufficient or easily upgradable for level 2 chargers. The City Attorney would review any agreement the City would be asked to enter into. Moving forward, we'll look at other possible locations where we could utilize these EV stations in the area.

Please let me know if you have any questions or concerns with this course of action.

Ultium Charge 360: Charging Networks

DEALER COMMUNITY CHARGING PROGRAM

UP TO

40,000

DESTINATION
CHARGERS

- Aims to
 - Accelerate EV adoption across US & Canada
 - Enhance experience for GM EV owners
- Utilize the strength of the GM Dealer network

How the Dealer Community Charging (DCC) Program Works



Dealer finds the Site Host in their community – Start NOW!

Site Host &/or dealer can utilize local electrician for install (needs to meet guidelines)

GM may refer turnkey installers to assist with installation (optional)

GM administers program and may provide testimonials, support, resources throughout the process

Community

- Site Host
- Potential EV infrastructure subsidies

Dealer

GM

Dealer Community Charging Program

Guidelines: Eligible Charger Locations



- Dealers must place chargers within their sales territory
- Locations must meet the program's guidelines (Dealership premises are ineligible)
- Dealer may allocate charging stations to multiple locations; a minimum of 2 per location
- Locations must be visible, well-lit, and easily accessible



Schools, universities,
colleges



Sports, leisure, &
entertainment venues
(hotels, concert halls,
parks, country clubs)



Multi-unit dwellings
with first floor retail



Retail sites (shopping
malls, grocery stores)

DCC - Program Hardware



Level 2 Charging Station

- AC Level 2 Charger - 19.2 kW
- Dual pedestal format (2 chargers per pedestal)
- LTE connectivity enabling
 - Proactive monitoring and software updates
 - Dedicated owner's web portal for monitoring chargers
- Ultium branded top sign with dealership logo
- Pedestal with custom QR codes & Steps
- Cable management system



~7 ft
Approx.
total height

~5 ft

For illustration purposes only, charger setup may be subject to change at any time. Simulated image shown.

DCC - Charging Stall Design

- Chargers shall be installed in the dual (side-by-side) format similar to either Figure 1 or Figure 2.
- It is strongly recommended that Site Host mark (e.g. paint) and enforce the parking spaces as “EV Parking Only.”
- Chargers must be in a well-lit area, easily accessible and ideally, ADA compliant

Figure 1

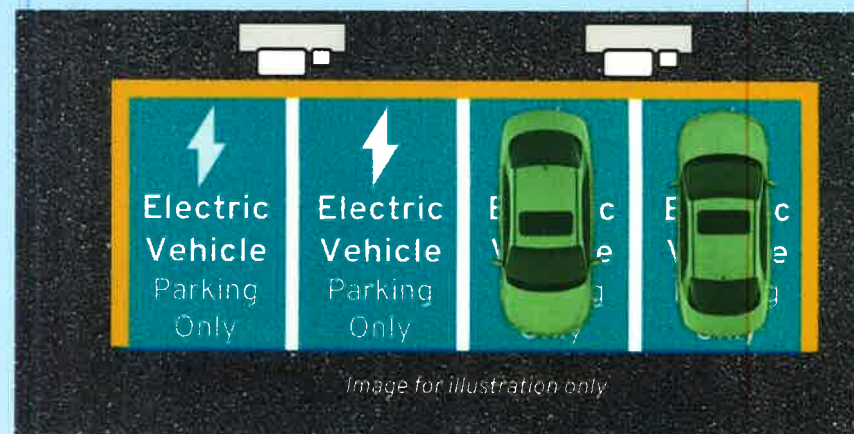
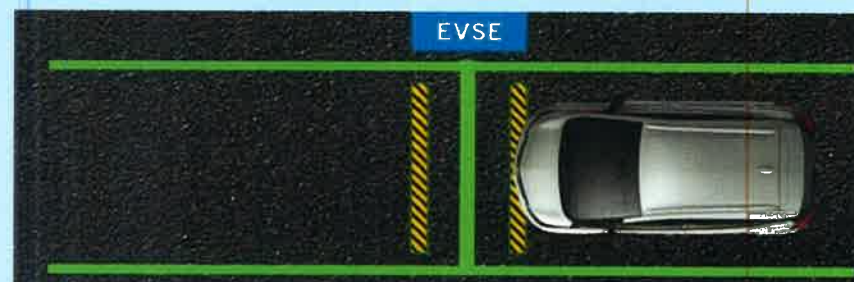


Figure 2



For illustration purposes only

Who pays for what?

3-Part Investment

- Chargers
- Shipping

GM

ultium 
charge 360

- Pedestals
- Cable Mgmt
- Dealer Branding
- Network/Maint
- Warranty

Dealer



- Installation
- Permitting
- Electricity

Site Host





ultium  charge 360

DEALER COMMUNITY CHARGING PROGRAM



GETTING CHARGERS IN OUR COMMUNITIES



DEALER AND SITE HOST BENEFITS

- Spur infrastructure growth of Level 2 chargers (19.2 kW/ 80 amp) in your community
- Dealer brand identity placement on every charging pedestal for the duration of the program
- Chargers increase community awareness that the Dealer and GM sell electric vehicles, and may potentially help drive showroom traffic and customer engagement
- Potential to increase Site Host traffic where chargers are available for public use

We developed the Dealer Community Charging Program in the U.S. to help GM and EV Dealers with a shared vision: to make EV chargers more accessible in our communities.

Together, our goal is to deploy up to 40,000 Level 2 chargers¹ at key destinations in communities across the U.S. Most public chargers are Level 2 and serve a different use case than DC Fast Chargers (DCFC), which are typically for quick top-ups at low dwell time locations.

With the assistance of GM and the right community Site Hosts, you can help realize a zero-emissions future.



¹. Subject to availability. GM to provide up to 10 chargers.

WORKING WITH YOUR SITE HOST

Prior to enrolling, take these steps to help streamline the process:

- | | | |
|--|---|--|
| 1. Installation plans – Discuss plans with your Site Host and encourage them to consult with an electrician to determine costs including, but not limited to, utility and electrical upgrades. These factors will likely impact cost and/or timing of the installation. | 2. Encourage Site Host to identify available EV Rebates and Incentives².
Many government agencies and utility providers may offer an array of tax credits, rebates and grants. These may apply to EV chargers and electricity rates. | 3. Work on your written agreement with the Site Host.
Build upon “Minimum Site Host Requirements” available in the Dealer Community Charging Program app in GlobalConnect. |
|--|---|--|

Field Support

- Informational launch kit materials, including Dealer Community One Pagers and video, are available to be shared with Dealers
- More info can be provided by EV Retail Managers or EV Ownership Managers, or email questions directly to dealercommunitycharging.questions@gm.com

Installation Costs

- Because cost of installation varies by situation and is dependent on multiple factors (e.g., labor, permits and inspections, utility and electrical upgrades and charger location), there is no standard program cost³
- Each Site Host location will differ and the Site Host should consult with a qualified electrician
- The installation cost ranges listed below are estimates only. Installation rates could fall outside of the estimated range
 - Dual pedestal (2 chargers):
~\$5k-\$25k per pedestal
 - Five dual pedestals (10 chargers):
~\$25k-\$125k in total

Charging Costs

- Charging rates vary greatly by region and are subject to change. The national average price of electricity (all sectors) is 12.89 cents/kWh⁴
 - **Sample rate calculation:**
If an EV requires 40 kWh to fully recharge the battery at a rate of 12.89 cents per kWh⁴, the charge cost is \$5.16
- For information on state-specific electricity costs, click [HERE](#)



Limited availability early 2023 by waitlist. Additional GMC HUMMER EV SUV models available Spring 2023.

NOTE: Chargers must be installed in the community and not at the Dealership. Program Terms and Conditions subject to change at GM's discretion.

See Program Guidelines posted to the Dealer Community Charging Program app on GlobalConnect for additional guidance.

2. Incentives are subject to change at any time without notice from their respective governmental authorities. Site Hosts must check with their own local governing body before relying on any GM-provided information. It is recommended that Site Hosts consult with their tax advisors. 3. Pursuant to the Terms and Conditions of this Program, Dealer pays up front for pedestal, cable management, five-year networking and maintenance, three-year limited warranty (can extend up to 5 years), and branding identity. Site Host is responsible for installation cost and cost of electricity when chargers are in operation. 4. [U.S. Energy Information Administration, Electric Power Monthly](#) with data updated June 2022.

MEMORANDUM



TO: Charles Boulard, Community Development Director
FROM: Andy Gerecke, Building Official
SUBJECT: Electric Vehicle Charging Stations Update
DATE: May 10th, 2011

AP 5/11/11

This communication is a follow up to the previous memo that was sent regarding the installation of Electric Vehicle Charging Stations on the City of Novi Civic Center Campus and at the Novi Library.

5-11-11
To: Mayor
Council Member
Pri

Charging Station Grant:

The Community Development Department has been working with Coulomb Technologies to modify the Chargepoint Master Services Agreement and the \$0 purchase order in compliance with Secrest Wardle's recommendations. After several rounds of very detailed review and changes, the appropriate contract language has been approved by our legal counsel. The subscription documents and P.O. will be sent to Chargepoint once they have been signed by the Mayor later this week.

//*

Electrical Contractor: An on site meeting was held with four separate electrical contractors that were interested in bidding for the installation of the Electric Vehicle Charging Stations. The contractor originally selected is unavailable to perform the work resulting in a substitution of a second contractor able to perform within the budgeted amount and complete the installation within our time scope. The contractor is responsible for the entire installation process from the concrete foundations, to the final electrical connections. We hope to have the contracts signed next week for the installation of the EV stations. JS Vig Inc. will be assisting the City and the contractor in complying with the federal reporting requirements that are an integral part of this grant.

Installation Timeframe: Once Coulomb receives the documents that were sent by the City, we have an approximate 8-10 week lead time for the delivery of the units. It is our intention to begin the installation process as soon as we receive the two units. The process of the installation should only take 2-3 days from start to finish.

//*

Station Commissioning: Once the EV Stations have been installed and powered up, we will need to have Charge Now (sub contractor for Coulomb) start up and commission the charging stations so that they are available for public use. We are working with Coulomb Technologies and Charge Now to help establish the fees that the City will be charging for the use of these stations. After the fee structure has been established, we will present the fee information to City Council in the form of a resolution for their approval.

Please let me know if I can provide any further information.

MEMORANDUM



TO: VICTOR CARDENAS, INTERIM CITY MANAGER
FROM: CHARLES BOULARD, DIR COMMUNITY DEVELOPMENT
SUBJECT: DRAINAGE AT ROBERTSON DEVELOPMENT
DATE: APRIL 5, 2023

Mayor and Council –

Following up on public comment received at last Monday's Council meeting.

- Victor

The goal of this correspondence is to provide a summary of the interactions that members of the City's Code Compliance team have had regarding the drainage on Austin Drive.

December 2022

Officer Underhill met with Rachel Sines of 2219 Austin, who is concerned about the new drainage course established by the Robertson Brother Lakeview Development. The officer inspected the site from Ms. Sines' yard and then confirmed that the final grade had been approved for the lot behind her at 2240 Old Novi Road.

Ms. Sines then showed a photo of how water had come toward her garage previously; however, it was from before the final grade was established at 2240 Old Novi and, perhaps, even other lots. The visual inspection on this date revealed a swale between her yard and 2240 Old Novi and enough of a lip to prevent runoff from entering her property. As an extra measure, the officer issued a notice to the new homeowner to secure the swale edge with erosion control matting.

December 14, 2022

A verbal notice was given to the homeowner regarding the erosion control.

December 22, 2022

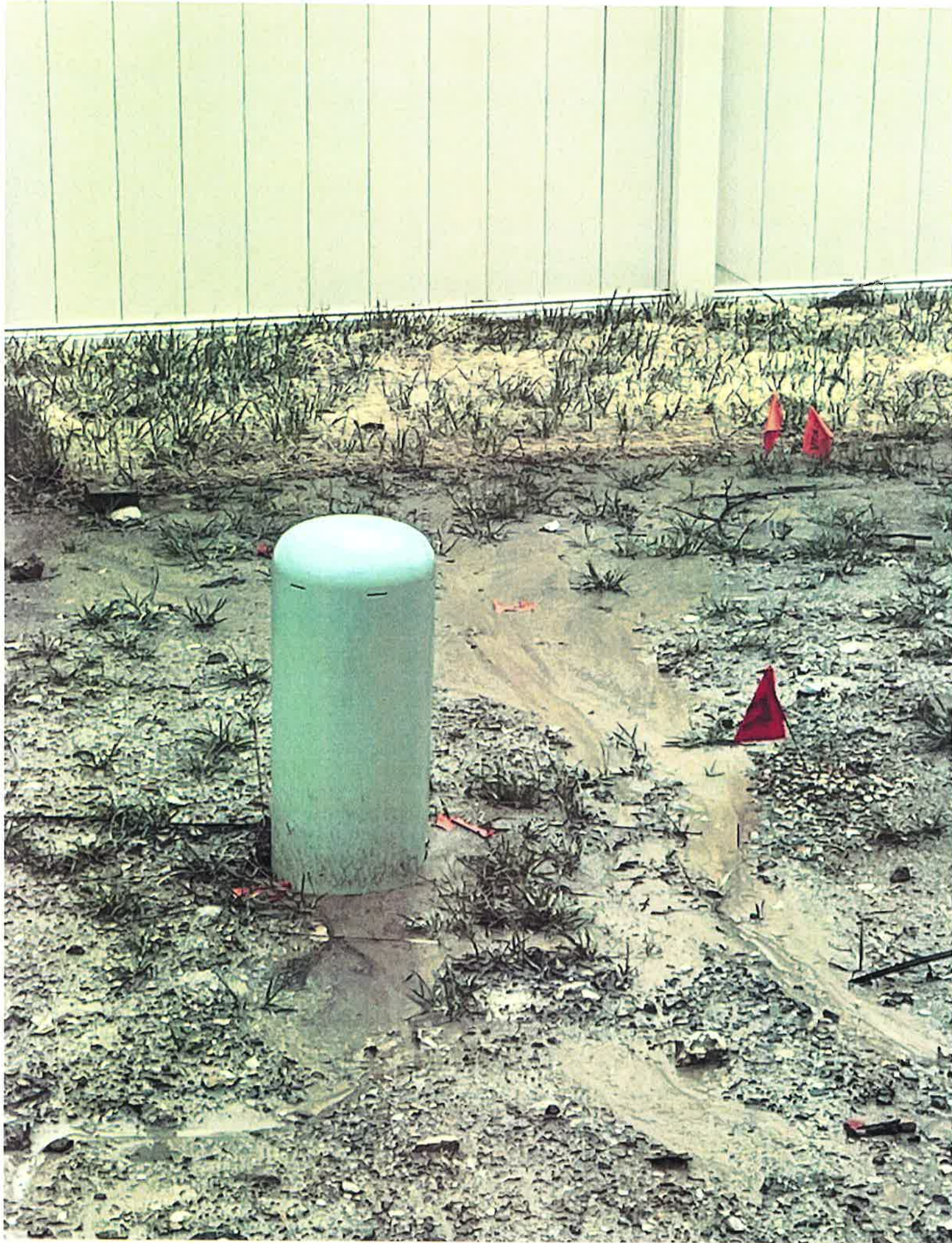
The erosion control matting has been installed in the swale. There is a beehive filter protecting the storm drain to the north. The matter has been closed for now.

April 4, 2023

Officer Riley performed a site inspection. The drainage pattern appears to be working as designed, the swale is intact, and erosion matting seed has begun to sprout. 2240 Old Novi has until May 30, 2023, to install their lawn.











St. Patrick's Day Events 2023

On Wednesday, March 15, 55 participants dressed in their best St. Patrick's Day outfits for the Shamrock Shuffle and set off on a shamrockin' themed hike at Lakeshore Park. 17 Shamrocks were hidden along the trail and guided walkers, young and old, through the woods. Afterwards, the group warmed up inside with some hot chocolate.

82 seniors, some Irish and some Irish for the day, attended the "Follow the Rainbow St. Patrick's Day Luncheon" on Friday, March 17. John O'Brien from O'Brien-Sullivan, sponsor of the event, joined the Rotary Club and other volunteers in serving lunch to those in attendance. "Slainte", the Irish toast to good health, was offered prior to the traditional meal of Corned Beef and Cabbage provided by Moe's on Ten. Those inclined joined in singing many Irish tunes accompanied by drum, fife, guitar and harp entertainment. Irish butter with Irish soda bread, Lucky Charms cereal and Irish cheese and crackers were some of the door prizes offered at the end.

This program met the department's core value of excellence by providing high quality opportunities for people of all ages to celebrate St. Patrick's Day.



March Happenings	Stats
Volunteer Value Independent Sector Data at \$29.95/hour	9 volunteers = \$808.65
Musical Instruments	4
Shamrocks Found	17
Participants	137
Recreation Programmer	J Klein M Lachance

The mission of the Parks, Recreation and Cultural Services Department is to provide exceptional park, recreation and cultural opportunities that are diverse and enhance lives.