

OFFICE OF THE COUNCIL

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BRANDON McCULLOUGH, PRESIDENT
MARTHA PTASHNIK, VICE PRESIDENT
CARRIE BUDZINSKI
ROB GJONAJ DONOVIC
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LYNDA L. SCHEEL
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33000 CIVIC CENTER DRIVE
LIVONIA, MICHIGAN 48154-3097
(734) 466-2250
citycouncil@livonia.gov

OFFICE OF THE COUNCIL

**MEETING PACKET FOR
THE REGULAR MEETING OF
MONDAY, FEBRUARY 24, 2025
7:00 P.M.**

**The electronic agenda is compiled, produced and
distributed by the City Council Staff.**

(734) 466-2250

The official documents are on file in the City Clerk's office.

2011th Regular Meeting Agenda of the Council of the City of Livonia
Monday February 24, 2025

7:00 p.m. - City Hall Auditorium
33000 Civic Center Drive, Livonia, Michigan

CALL TO ORDER

INVOCATION/PLEDGE OF ALLEGIANCE

ROLL CALL

PRESENTATION OF MINUTES – Revised Regular Meeting Minutes of November 18, 2024
Regular Meeting Minutes of February 10, 2025

AUDIENCE COMMUNICATION

REPORTS FROM THE MAYOR AND OTHER CITY OFFICIALS

- a. ADMINISTRATIVE RESPONSE TO CR 177-24: Office of the Mayor, re: the maintenance of the Noble Library property to prevent further deterioration (CR 116-24 and 354-24).

CONSENT AGENDA

1. REAPPOINTMENT OF WILLIAM TANCILL TO THE LIVONIA BOARD OF REVIEW: Office of the Mayor, re: for a three-year term, which will expire on February 16, 2028.
2. REAPPOINTMENT OF RICHARD MCDOWELL TO THE LIVONIA BOARD OF ETHICS: Office of the Mayor, re: for a three-year term, which will expire on March 1, 2028.
3. REQUEST TO ADOPT A RESOLUTION PROCLAIMING FRIDAY, APRIL 25, 2025, AS ARBOR DAY IN THE CITY OF LIVONIA: Douglas L. Moore, Assistant Director of Public Works, re: to be celebrated at the Livonia Early Childhood Center, 18000 Newburgh.
4. REQUEST TO APPROVE ALLIANCE OF ROUGE COMMUNITIES (ARC) ANNUAL ASSESSMENT FOR 2025: Department of Public Works, re: in the amount of \$38,724.00, from budgeted funds.
5. AWARD OF BID: Department of Public Works, Building Maintenance, re: for custodial supplies, from budgeted funds.
6. REQUEST TO WAIVE THE FORMAL BIDDING PROCESS AND APPROVE VENDORS FOR EQUIPMENT MAINTENANCE: Department of Public Works, re: to allow authorized vendors to perform equipment repairs in an amount not-to-exceed \$400,000, for fiscal year 2025, from budgeted funds.
7. REQUEST FOR AUTHORIZATION TO PURCHASE ONE (1) 2025 CASE BACKHOE MODEL 580SN THROUGH THE SOURCEWELL CONTRACT (FORMERLY NJPA): Department of Public Works, re: to be used by the Roads Department, from budgeted funds.
8. REQUEST TO APPROVE THE PROPOSED 2025 SIDEWALK REPAIR PROGRAM: Engineering Division, re: to include approximately 554 locations throughout the City (784-82)
9. REQUEST TO WAIVE THE FORMAL BIDDING PROCESS AND APPROVE THE 2025 ASPHALT ROAD PROGRAM BY EXTENDING THE CONTRACT 24-A UNIT PRICES WITH NAGLE PAVING COMPANY: Engineering Division, re: for Contract 25-A in the amount of \$4,275,775.10 from budgeted funds. (CR 94-23 and CR 126-24)

10. REQUEST TO AMEND THE CONTRACT WITH OHM ADVISORS FOR CONSTRUCTION ENGINEERING SERVICES FOR THE 2025 ASPHALT ROAD PROGRAM (CONTRACT 25-A): Engineering Division, re: same. (CR 336-21)
11. REQUEST TO WAIVE THE FORMAL BIDDING PROCESS AND APPROVE THE 2025 CONCRETE ROAD PROGRAM BY EXTENDING THE CONTRACT 24-C UNIT PRICES WITH HARD ROCK CONCRETE, INC.: Engineering Division, re: for Contract 25-C in the amount of \$4,538,170.86, from budgeted funds. (CR 120-23 and CR 72-24)
12. REQUEST TO AMEND THE CONTRACT WITH ANDERSON, ECKSTEIN AND WESTRICK, INC. FOR CONSTRUCTION ENGINEERING SERVICES FOR THE 2025 CONCRETE ROAD PROGRAM (CONTRACT 25-C): Engineering Division, re: same. (CR 336-21)
13. REQUEST WAIVE THE FORMAL BIDDING PROCESS AND APPROVE THE 2025 SIDEWALK AND PAVEMENT REPLACEMENT PROGRAM BY EXTENDING CONTRACT 24-F UNIT PRICES WITH GREAT LAKES CONTRACTING SOLUTIONS, LLC: Engineering Division, re: for Contract 25-F in the amount of \$300,000, from budgeted funds. (CR #106-23)
14. REQUEST TO WAIVE THE FORMAL BIDDING PROCESS AND APPROVE THE 2025 CONCRETE ROAD MAINTENANCE/SELECTIVE SLAB PROGRAM BY EXTENDING THE CONTRACT 24-J UNIT PRICES WITH GREAT LAKES CONTRACTING SOLUTIONS, LLC: Engineering Division, re: for Contract 25-J in the amount of \$845,865.50 from budgeted funds. (CR 96-23 and CR 73-24)
15. REQUEST TO AMEND THE CONTRACT WITH ANDERSON, ECKSTEIN AND WESTRICK, INC. FOR CONSTRUCTION ENGINEERING SERVICES FOR THE 2025 CONCRETE ROAD MAINTENANCE/SELECTIVE SLAB PROGRAM, (CONTRACT 25-J): Engineering Division, re: same. (CR 336-21)
16. REQUEST TO APPROVE AN INTERGOVERNMENTAL AGREEMENT BETWEEN THE CHARTER COUNTY OF WAYNE AND THE CITY OF LIVONIA: Engineering Division, re: for the Five Mile Road and Levan Road Intersection Traffic Signal Modernization, with the proposed City's participation to be estimated at 50%, in the total amount of \$76,120, from budgeted funds.

UNFINISHED BUSINESS

NEW BUSINESS

17. ACCEPTANCE OF QUIT CLAIM DEED: Department of Law, re: secured without monetary consideration from Vincenzo Longo, Owner of Vision Family Homes, LLC, in order to obtain the necessary road right-of-way to Parcel ID #46-006-99-0113-001 (31050 Pembroke Avenue) in the Northwest ¼ of Section 2.

AUDIENCE COMMUNICATION

NOTICE(S)

In accordance with Title II of the American with Disabilities Act as it pertains to access to Public Meetings, the City Clerk's Office of the City of Livonia, upon adequate notice, will make reasonable accommodations for persons with disabilities. Please call (734) 466-2236 or email clerk@livonia.gov as soon as possible if you need assistance. Council agendas are available on the City's website www.livonia.gov - under Your Government, City Council, Agendas & Minutes.

LORI L. MILLER, CITY CLERK



LETTER TO THE LIVONIA CITY COUNCIL

Mayor's Office
February 6, 2025

MEETING DATE

R022425

PRESENTED BY

AGENDA ITEM

a. ADMINISTRATIVE RESPONSE TO CR 177-24: Office of the Mayor, re: the maintenance of the Noble Library property to prevent further deterioration (CR 116-24 and CR 354-24).

BACKGROUND DETAILS

Honorable Members of the City Council, City of Livonia
RE: Maintenance Update on Noble Property

Dear Council Members:

I am herewith submitting to you the attached Maintenance Update on Noble memo, dated February 6, 2025, in response to CR 177-24, CR 116-24, and CR 354-24. Please receive and file.

Sincerely,
Maureen Miller Brosnan, Mayor

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

n/a

ATTACHMENTS

1. Noble Property Maintenance Update 2-06-25 PDF

APPROVED BY

A handwritten signature in cursive script, reading "Debra A. Lichtenberg".

Debra Peck Lichtenberg, CPA, Finance Director

Date: February 07, 2025

A handwritten signature in cursive script, reading "Maureen Miller Brosnan".

Maureen Miller Brosnan, Mayor

Date: February 07, 2025

OFFICE OF THE MAYOR

MAUREEN MILLER BROSNAN
MAYOR



33000 CIVIC CENTER DRIVE
LIVONIA, MICHIGAN 48154-3097
mayor@livonia.gov
(734) 466-2201

February 6, 2025

To: Livonia City Council
RE: Maintenance Update on Noble Property

As you are aware, funds are not currently available to put the Alfred Noble structure into a usable condition resulting from the mold damage created by water intrusion in the building. The property was vacated in October of 2019 and declared unsafe for occupancy by building officials in January of 2020.

In keeping with CR 116-24, which directed the Administration to maintain the Noble property and prevent further deterioration, we are providing an updated summary of the workplan we are using during this period of deactivation.

In general, you will notice the site is no longer referred to as a library because the Livonia Library Commission requested the site be decommissioned for library services (Resolution #16-24). Therefore, the oversight and maintenance of the building and property was transferred to the Department of Public Works on June 20, 2024.

The following steps have been taken as part of the continued monitoring and maintenance plan for the site:

1. Securing the building against unauthorized entry and vandalism

All doors and windows have been secured. There have been no new incidents of anyone entering the premises unauthorized since our last report to Council on September 19, 2024 (see attached). We do not believe there is currently a need for any additional barricading of doors and windows. Should there be further unauthorized entry, barricading may be necessary.

To further prevent the need for barricading, DPW has removed all signage on the site. That includes all directional signage, book return and entrance signage, and the wooden sign facing Plymouth Road. The Council was notified this would be taking place in the September 19, 2024, memo. The only signage which remains is that which is attached to the building itself. Should the building suffer additional unauthorized entry or vandalism, further consideration will be given to removing the wall signage.

The Council is aware of reports of unauthorized people trespassing on the exterior of the building, climbing on ladders to access the roof and gutters, trimming trees, posting signs and graffiti, and other unauthorized activities identified in the September 19, 2024, communication. To address this issue, “No Trespassing” signs are being installed outside the building.

2. Securing driveway/parking lot access

The parking lots on the site are no longer needed to serve library patrons; nor are they needed to serve park patrons in the winter. As such, they are closed from November to April and are not being plowed by the City. Class 3 barricades were installed in late November and will remain until April to assure the public knows they can’t use the parking lots, and to make it clear the City is not spending resources clearing snow or treating ice on parking lots for a closed building. These barricades were installed in accordance with the Michigan Manual of Traffic Control Devices. However, in deference to community requests, the “Road Closed” wording on the barricades was removed.

3. Sufficiently maintaining the property around the building

As noted in the September 19, 2024, memo to Council, DPW continues to monitor and maintain the exterior of the property consistent with citywide maintenance schedules. This includes cutting the grass as needed and maintaining exterior landscaping. Should maintenance of the landscaping become problematic or costly, consideration will be given to removing the landscaping closest to the building.

4. Conducting regular inspections

Interior walk-throughs continue to be conducted by DPW staff, wearing personal protective equipment on a quarterly basis. Any major building changes or deteriorations are reported to Director Don Rohraff.

5. Current building conditions

The building has been winterized and the pipes drained. Therefore, no heating or cooling is necessary. The electricity is on. The sump pump is not working, and there are several inches of water in the basement. Given that the electrical panel is in or near the water line, there are safety concerns with inspecting the basement.

6. Obtaining an estimate to address water intrusion issues

DPW staff are attempting to address the standing water and sump situation by turning off the electricity and examining the basement. However, due to the high water table and history of water intrusion in the building, our DPW team believes any remediation would be only temporary.

A long-term solution would require replacing the aging roof on the building and/or attempting to waterproof the basement walls. It is unlikely that the \$20,000 the Council has allocated (per CR 354-24) for "Council initiatives related to Noble/Shelden Park issues" would pay for either of these remedies.

The Administration is prepared to send a request for proposals to determine the cost of conducting a building condition assessment, or to investigate the cost of re-roofing and/or waterproofing the foundation, should the Council approve a resolution to initiate one of those actions.

However, we advise against any of those proposals given the age, history and current lack of activity in this building.

Please let me know if you have any questions and thank you for your continued support.

Sincerely,

A handwritten signature in black ink that reads "Maureen Miller Brosnan". The signature is written in a cursive, flowing style.

Maureen Miller Brosnan
Mayor

**CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD FEBRUARY 10, 2025**

Meeting was called to order at 9:05 p.m. by Council President McCullough. Present: Laura Toy, Rob Donovic, Carrie Budzinski, and President McCullough. Absent: Vice President Ptashnik, Lynda Scheel, and Scott Morgan.

Elected and appointed officials present: Carter Fisher, City Attorney; Lori L. Miller, City Clerk; and Todd Zilincik, City Engineer.

Councilmember Toy led the meeting with the Pledge of Allegiance.

1. REAPPOINTMENT OF WILLIAM TANCILL TO THE LIVONIA BOARD OF REVIEW: Office of the Mayor, re: for a three-year term, which will expire on February 16, 2028.

Jacob Liberati, Assistant Assessor, presented the item to Council. Mr. Liberati indicated Mr. Tancill has been on the Board of Review for many years and is a great asset to the Board. His knowledge and experience are invaluable and for that reason, the Assessor's Office is requesting he be reappointed for a three-year term.

Mr. Tancill was present to answer any questions of Council and thanked them for their support.

Christopher Martin, Livonia resident, inquired the State requires members for the Board of Review must be trained every two years and inquired if the current members have met the State's requirement.

Jacob Liberati, Assistant Assessor, responded all members of the Board of Review are current in the required training.

DIRECTION:

APPROVING

CONSENT



LETTER TO THE LIVONIA CITY COUNCIL

1.

Mayor's Office
January 15, 2025

MEETING DATE

S021025/R022425

PRESENTED BY

Jacob Liberati, Assistant City Assessor

AGENDA ITEM

REAPPOINTMENT OF WILLIAM TANCILL TO THE LIVONIA BOARD OF REVIEW: Office of the Mayor, re: for a three-year term, which will expire on February 16, 2028.

BACKGROUND DETAILS

Honorable Members of the City Council, City of Livonia
RE: Reappointment of William Tancill to the Board of Review

Dear Council Members:

I am herewith submitting to you, for your consideration and approval, the reappointment of Mr. William Tancill, 35355 Lancashire Road, Livonia, Michigan 48152, as a member of the Board of Review for a term that will expire on February 16, 2028.

Your approval on this reappointment is respectfully requested.

Sincerely,
Maureen Miller Brosnan, Mayor

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

Reappoint William Tancill to the Livonia Board of Review for a three-year term.

ATTACHMENTS

None

APPROVED BY

Maureen Miller Brosnan, Mayor

Date: January 16, 2025

**CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD FEBRUARY 10, 2025**

Meeting was called to order at 9:05 p.m. by Council President McCullough. Present: Laura Toy, Rob Donovic, Carrie Budzinski, and President McCullough. Absent: Vice President Ptashnik, Lynda Scheel, and Scott Morgan.

Elected and appointed officials present: Carter Fisher, City Attorney; Lori L. Miller, City Clerk; and Todd Zilincik, City Engineer.

Councilmember Toy led the meeting with the Pledge of Allegiance.

2. REAPPOINTMENT OF RICHARD MCDOWELL TO THE LIVONIA BOARD OF ETHICS: Office of the Mayor, re: for a three-year term, which will expire on March 1, 2028.

Carter Fisher, City Attorney, presented the item to Council. Mr. Fisher indicated Mr. McDowell was the founding member of the City's Board of Ethics and has been instrumental in the City's adoption and implementation of the City's Ethics Ordinance and the Board. Mr. Fisher stated his service to the community has been outstanding and the City is grateful for his service.

Mr. McDowell was present to answer any questions of Council and thanked them for their support.

DIRECTION:

APPROVING

CONSENT



LETTER TO THE LIVONIA CITY COUNCIL

2.

Mayor's Office
January 16, 2025

MEETING DATE

S021025/R022425

PRESENTED BY

Carter Fisher, City Attorney

AGENDA ITEM

REAPPOINTMENT OF RICHARD MCDOWELL TO THE LIVONIA BOARD OF ETHICS: Office of the Mayor, re: for a three-year term, which will expire on March 1, 2028.

BACKGROUND DETAILS

Honorable Members of the City Council, City of Livonia
RE: Reappointment of Richard McDowell to the Board of Ethics

Dear Council Members:

I am herewith submitting to you, for your consideration and approval, the reappointment of Mr. Richard McDowell, 19538 Norwich, Livonia, Michigan 48152, as a member of the Board of Ethics for a term that will expire on March 1, 2028.

Your approval on this reappointment is respectfully requested.

Sincerely,
Maureen Miller Brosnan, Mayor

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

Reappoint Richard McDowell to the Livonia Board of Ethics for a three-year term.

ATTACHMENTS

None

APPROVED BY

Maureen Miller Brosnan, Mayor

Date: January 16, 2025

**CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD FEBRUARY 10, 2025**

Meeting was called to order at 9:05 p.m. by Council President McCullough. Present: Laura Toy, Rob Donovic, Carrie Budzinski, and President McCullough. Absent: Vice President Ptashnik, Lynda Scheel, and Scott Morgan.

Elected and appointed officials present: Carter Fisher, City Attorney; Lori L. Miller, City Clerk; and Todd Zilincik, City Engineer.

Councilmember Toy led the meeting with the Pledge of Allegiance.

3. REQUEST TO ADOPT A RESOLUTION PROCLAIMING FRIDAY, APRIL 25, 2025, AS ARBOR DAY IN THE CITY OF LIVONIA: Douglas L. Moore, Assistant Director of Public Works, re: to be celebrated at the Livonia Early Childhood Center, 18000 Newburgh.

Doug Moore, Assistant Director of DPW, presented the item to Council. Mr. Moore indicated this is an annual event to celebrate Arbor Day and Livonia being a Tree City. This year it will be held at 10:00 a.m. on Friday, April 25th at the newly opened Livonia Early Childhood Center at 18000 Newburgh Road and encouraged all Council members to attend.

DIRECTION:

APPROVING

CONSENT



LETTER TO THE LIVONIA CITY COUNCIL

3.

DPW

January 28, 2025

MEETING DATE

S021025/R022425

PRESENTED BY

Douglas L. Moore, MSA, Assistant Director of Public Works

AGENDA ITEM

REQUEST TO ADOPT A RESOLUTION PROCLAIMING FRIDAY, APRIL 25, 2025, AS ARBOR DAY IN THE CITY OF LIVONIA: Douglas L. Moore, Assistant Director of Public Works, re: to be celebrated at the Livonia Early Childhood Center, 18000 Newburgh.

BACKGROUND DETAILS

The Tree City Committee is planning on celebrating Arbor Day on Friday, April 25, 2025, to be celebrated at 10:00 am at the Livonia Early Childhood Center, 18000 Newburgh. It is therefore requested that City Council consider and approve the attached proclamation in commemoration of Arbor Day.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

ARBOR DAY 2025 PROCLAMATION

WHEREAS, in 1872, J. Sterling Morton proposed to the Nebraska Board of Agriculture that a special day be set aside for the planting of trees, and

WHEREAS, this holiday, called Arbor Day, was first observed with the planting of more than a million trees in Nebraska, and Arbor Day is now observed throughout the nation and the world; and

WHEREAS, trees reduce the erosion of our precious topsoil by wind and water, cut heating and cooling costs, moderate the temperature, clean the air, produce oxygen and provide habitat for wildlife; and

WHEREAS, trees are a renewable resource, giving up paper, wood for our homes, fuel for our fires, and countless other wood products; and

WHEREAS, trees in our City increase property values, enhance the economic vitality of business areas, and beautify our community; and

WHEREAS, trees, wherever they are planted, are a source of joy and spiritual renewal; and

WHEREAS, Livonia has been recognized as a Tree City USA by The National Arbor Day Foundation for the last seventeen years and desires to continue its tree-planting practices.

NOW, THEREFORE, BE IT RESOLVED, that the Mayor and members of the City Council of the City of Livonia hereby proclaim Friday, April 25, 2025, as Arbor Day in the City of Livonia, and urge all citizens to celebrate Arbor Day and to support efforts to protect our trees and woodlands; and

FURTHER, we urge all citizens to plant trees to promote the well-being of this and future generations, and we invite citizens to join in the commemoration of Arbor Day planned by the Tree City Committee at the Livonia Early Childhood Center, 18000 Newburgh, at 10:00 am on Friday, April 25, 2025.

BE IT FURTHER RESOLVED, that copies of this resolution be sent to Governor Gretchen Whitmer, State Senators Dayna Polehanki, and Mary Cavanaugh State Representatives Laurie Pohutsky and Stephanie Young, the Michigan Municipal League State and Federal Affairs Division, and the Conference of Western Wayne.

ATTACHMENTS

1. 2025 Proclamation
2. 2025 LTC for Arbor Day proclamation

APPROVED BY



Douglas L. Moore, MSA, Assistant Director of Public Works

Date: January 28, 2025



Don Rohraff, Director of Public Works

Date: January 28, 2025



Maureen Miller Brosnan, Mayor

Date: January 31, 2025

ARBOR DAY 2025 PROCLAMATION

WHEREAS, in 1872, J. Sterling Morton proposed to the Nebraska Board of Agriculture that a special day be set aside for the planting of trees, and

WHEREAS, this holiday, called Arbor Day, was first observed with the planting of more than a million trees in Nebraska, and Arbor Day is now observed throughout the nation and the world; and

WHEREAS trees reduce the erosion of our precious topsoil by wind and water, cut heating and cooling costs, moderate the temperature, clean the air, produce oxygen and provide habitat for wildlife; and

WHEREAS trees are a renewable resource giving up paper, wood for our homes, fuel for our fires, and countless other wood products; and

WHEREAS trees in our City increase property values, enhance the economic vitality of business areas, and beautify our community; and

WHEREAS, trees, wherever they are planting, are a source of joy and spiritual renewal; and

WHEREAS, Livonia has been recognized as a *Tree City USA* by *The National Arbor Day Foundation* for the last seventeen years and desires to continue its tree-planting practices.

NOW, THEREFORE, BE RESOLVED, that the Mayor and members of the City Council of the City of Livonia hereby proclaim Friday, April 25, 2025, as *Arbor Day* in the City of Livonia, and urge all citizens to celebrate Arbor Day and to support efforts to protect our trees and woodlands; and

FURTHER, we urge all citizens to plant trees to promote the well-being of this and future generations, and we invite citizens to join in the commemoration of Arbor Day planned by the Tree City Committee at **the Livonia Early Childhood Center, 18000 Newburgh** at 10:00 am on **Friday, April 25, 2025**.

BE IT FURTHER RESOLVED that copies of this resolution be sent to Governor Gretchen Whitmer, State Senator Mary Cavanaugh, and Dayna Polehanki, State Representative Laurie Pohotsky, and Stephanie Young, the Michigan Municipal League State and Federal Affairs Division, and the Conference of Western Wayne.

DEPARTMENT OF PUBLIC WORKS

MAUREEN MILLER BROSNAN
MAYOR

DONALD R. ROHRAFF
DIRECTOR OF PUBLIC WORKS

DOUGLAS L. MOORE, MSA
ASSISTANT DIRECTOR OF PUBLIC WORKS

RYAN J. FERRELL
ASSISTANT DIRECTOR OF PUBLIC WORKS

TRISHA M. GABRIEL
SUPERINTENDENT OF PUBLIC WORKS



12973 FARMINGTON ROAD
LIVONIA, MICHIGAN 48150-4202
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Email: DPS@livonia.gov

MAINTENANCE SERVICES

- Roads
- Parks
- Water
- Sewer
- Building
- Animal Control
- Forestry
- Equipment
- Storm Drains
- Traffic Signs
- Solid Waste / Recycling

January 15, 2025

Honorable Members of the Council
City of Livonia

Subject: Commemoration of Arbor Day, Friday, April 25, 2025

Dear Council Members:

The Tree City Committee is planning on celebrating Arbor Day on Friday, **April 25, 2025 at 10:00 a.m. at Livonia's Early Childhood Center, located at 18000 Newburgh**. It is therefore requested that City Council consider and approve the attached proclamation in commemoration of Arbor Day.

Douglas L. Moore, MSA
Assistant Director of Public Works

Approved for Submission:

Maureen Miller Brosnan, Mayor

**CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD FEBRUARY 10, 2025**

Meeting was called to order at 9:05 p.m. by Council President McCullough. Present: Laura Toy, Rob Donovic, Carrie Budzinski, and President McCullough. Absent: Vice President Ptashnik, Lynda Scheel, and Scott Morgan.

Elected and appointed officials present: Carter Fisher, City Attorney; Lori L. Miller, City Clerk; and Todd Zilincik, City Engineer.

Councilmember Toy led the meeting with the Pledge of Allegiance.

4. REQUEST TO APPROVE ALLIANCE OF ROUGE COMMUNITIES (ARC) ANNUAL ASSESSMENT FOR 2025: Department of Public Works, re: in the amount of \$38,724.00, from budgeted funds.

Doug Moore, Assistant Director of DPW, presented the item to Council. Mr. Moore indicate the City's participation in the Alliance of Rouge Communities (ARC) is renewed on an annual basis. He indicated they provide services doing a lot of work that would take the City's staff time and they assist the City in meeting the requirements for the MS4 permit with the State. Mr. Moore stated this year's assessment of dues for the 2025 calendar year the dollar amount is \$38,724.

DIRECTION:

APPROVING

CONSENT



LETTER TO THE LIVONIA CITY COUNCIL

4.

DPW

January 23, 2025

MEETING DATE

S021025/R022425

PRESENTED BY

Douglas L. Moore, MSA, Assistant Director of Public Works

AGENDA ITEM

REQUEST TO APPROVE ALLIANCE OF ROUGE COMMUNITIES (ARC) ANNUAL ASSESSMENT FOR 2025: Department of Public Works, re: in the amount of \$38,724.00, from budgeted funds.

BACKGROUND DETAILS

The City of Livonia has actively participated in the Alliance of Rouge Communities (ARC) since its inception in 2004. Each year, the City has paid an annual assessment for the City's share based on population and land area to fund the services for the communities provided by the ARC. The significant services completed by the ARC on behalf of Livonia include MS4 permit requirements, stream water quality sampling and testing, joint projects in watershed management public education, and providing representation and advocacy for communities in discussions and negotiations with the Michigan Department of Environmental, Great Lakes & Energy (EGLE) (formerly MDEQ) on storm water permits. The ARC has and will continue to solicit grants for storm water initiatives for communities both individually and collectively.

Community assessments total 50% of the total annual income for the activities of the ARC. A Federal Clean Water Fund grant again supports the other 50% of the budget.

1. Continued MS4 permit requirements for the State of Michigan include:
 - a. Increased wet and dry weather Illicit Discharge Elimination Program (IDEP) inspections of outfalls in the City's jurisdiction. Included in this program is training staff to identify issues, complete paperwork and submit reporting requirements to the State.
 - b. Increased needs for Public Education Program (PEP). Seminars, classes and meetings to help educate residents of the watershed on proper (and improper) maintenance and tactics.
 - c. Increased requirements regarding Total Maximum Daily Load (TMDL) Implementation Plan. Included in this is Best Management Practices (BMP) regarding sampling of water, collections, sending to laboratories for analysis, and reporting results to the State.
2. ARC staff will aid the City in implementing these programs; conduct inspections and testing; handle follow-up reporting to the State on the City's behalf, and act as the go-between between EGLE and the City. This highly reduces the amount of City staff time needed to manage the increased requirements of the new permit.

At the same time, continued discussions with ARC staff about ways to limit future dues increases by sharing costs or supplying City staff to perform permit requirement functions. The ARC is open to cost-sharing and the discussion centers on developing ways to cut those jobs to reduce dues. ARC staff would continue to do the information collection and reporting on our behalf, our staff would do the leg work. Livonia's participation in the ARC is recommended again this year for the following reasons:

- Continued guidance/assistance in the required MS4 Storm water permit process that began in April 2016 and continues until EGLE finalizes the permit. The acceptance process continued, but we are bound to processes in this permit.
- Broad participation of the Rouge communities eliminates redundancies and provides cost savings resulting from use of common storm water management practices by multiple communities.
- Communication and cooperation between the staff of Rouge communities on storm water and related issues has been advanced.
- ARC provides a unified voice when working with EGLE on permit compliance issues.
- Participation in a watershed-wide group of communities and counties improves the opportunity of the City to receive future storm water grant awards.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

It is requested the Council approve payment to the Alliance of Rouge Communities, a non-profit organization, in the amount of \$38,724.00 for the annual assessment to Livonia for 2025. No appropriation is required since this amount was included in Account No. 592-559-923-030 of the 2024-2025 approved City budget.

SPECIFIC NAME OF PRODUCT AND NUMBER TO BE PURCHASED (if more than one)

Payment to: Alliance of Rouge Communities, 46036 Michigan Ave., Suite 126, Canton, MI 48188 in the amount of \$38,724.00 from budgeted funds in account number 592-59-923-030

CONTRACT: Amount and/or purchase price and length of contract (with dates if applicable)

n/a

DETAILED WORK BEING PERFORMED

n/a

FISCAL CONSIDERATIONS (Amount requested and Account(s) used. If applicable, Grant Funding information)

\$37,235.00

ACCEPTANCE OF BID (Please detail the following: Why accepted, why not lowest bidder, company name, contact person, full address)

n/a

REASON TO WAIVE BID PROCESS (Emergency, Professional services, No advantage to City and why, Consortium package, etc): Waive the formal bidding process in accordance with Section 3.04.140.E.3 of the Livonia Code of Ordinances, as amended since no advantage to the City would result from competitive bidding.

ATTACHMENTS

1. 2025 ARC Dues Invoice

APPROVED BY



Douglas L. Moore, MSA, Assistant Director of Public Works

Date: January 23, 2025



Don Rohraff, Director of Public Works

Date: January 23, 2025



Debra Peck Lichtenberg, CPA, Finance Director

Date: January 24, 2025



Maureen Miller Brosnan, Mayor

Date: January 31, 2025



Alliance of Rouge Communities
46036 Michigan Ave., Suite 126
Canton, MI 48188
Phone: 734-768-2180
Email: info@allianceofrougecommunities.com

Invoice

Date	Invoice #
1/22/2025	202424

City of Livonia
Doug Moore
12973 Farmington Rd.
Livonia, MI 48150

Terms
4/30/25

Description	Amount
Dues for ARC Membership for 2025	38,724.00
Please remit to above address.	
Total	
\$38,724.00	

Questions Regarding this Invoice?
Contact Chris O'Meara at comeara@allianceofrougecommunities.com or 734-768-2180

John O'Meara, P.E.
Executive Director



Auburn Hills
Beverly Hills
Bingham Farms
Birmingham
Bloomfield Hills
Bloomfield Twp.
Canton Twp.
Commerce Twp.
Dearborn Heights
Farmington
Farmington Hills
Franklin
Garden City
Henry Ford College
Inkster
Lathrup Village
Livonia
Melvindale
Northville
Northville Twp.
Novi
Oak Park
Oakland County
Orchard Lake
Plymouth
Plymouth Twp.
Redford Twp.
Rochester Hills
Romulus
Schoolcraft College
Southfield
Troy
University of
Michigan-Dearborn
Van Buren Twp.
Walled Lake
Washtenaw County
Wayne
Wayne County
Wayne County Airport
Authority
West Bloomfield Twp.
Westland
Wixom

Cooperating Partners:

Cranbrook Institute of Science
Friends of the Rouge
Great Lakes Water Authority
Rouge River Advisory Council
SEMCOG
Southeastern Oakland
County Water Authority

January 22, 2025

Mr. Doug L. Moore, MSA
Assistant Director of Public Works
City of Livonia Department of Public Works
12973 Farmington Rd.
Livonia, MI 48150

Dear Mr. Moore:

I would like to thank you for your support and participation in the Alliance of Rouge Communities (ARC). In addition to restoring important beneficial uses, ARC activities assist you in meeting water quality requirements mandated by the state's stormwater permit.

I have enclosed your community's invoice for 2025 participation in the ARC. The assessment for each community/associate is based upon the budget approved at the Full ARC meeting in December and includes an increase in dues to all members to allow the ARC to continue to meet stormwater permit requirements.

Due dates for the invoices are 30 days after receipt of the invoice or 30 days after the start of your fiscal year, whichever is later and is similar to previous years. Checks should be made payable, as indicated on the invoice, to the Alliance of Rouge Communities. Your prompt payment is appreciated.

Again, thank you for participating in the ARC and the vote of confidence you have given us as your elected officers. If you have any questions or concerns, please contact me at (248) 735-5694 or Charles Markus, ARC Vice-Chair, at (248) 594-2808.

Sincerely,

ALLIANCE OF ROUGE COMMUNITIES

A handwritten signature in black ink, appearing to read "Rebecca Runkel".

Rebecca Runkel, Treasurer

**CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD FEBRUARY 10, 2025**

Meeting was called to order at 9:05 p.m. by Council President McCullough. Present: Laura Toy, Rob Donovic, Carrie Budzinski, and President McCullough. Absent: Vice President Ptashnik, Lynda Scheel, and Scott Morgan.

Elected and appointed officials present: Carter Fisher, City Attorney; Lori L. Miller, City Clerk; and Todd Zilincik, City Engineer.

Councilmember Toy led the meeting with the Pledge of Allegiance.

5. **AWARD OF BID:** Department of Public Works, Building Maintenance, re: for custodial supplies, from budgeted funds.

Doug Moore, Assistant Director, presented the item to Council. Mr. Moore indicated the matter went out to bid and the City received a total of 21 companies who responded. Mr. Moore stated DPW is recommending three (3) vendors be awarded the bid to supply Building Maintenance with custodial supplies for the calendar year of 2025 as follows: Supply Den, located in Rochester Hills, MSC Industrial Supply, located in Livonia, and Imperial Dade, located in Detroit. The request is to approve the list of materials to be provided by the three (3) vendors recommended.

DIRECTION:

APPROVING

CONSENT



LETTER TO THE LIVONIA CITY COUNCIL

5.

DPW
January 30, 2025

MEETING DATE

February 10, 2025

PRESENTED BY

Douglas L. Moore, MSA, Assistant Director of Public Works

AGENDA ITEM

AWARD OF BID: Department of Public Works, Building Maintenance, re: for custodial supplies, from budgeted funds.

BACKGROUND DETAILS

The Department of Public Works has taken bids for custodial supplies utilizing the Michigan Inter-Governmental Trade Network (MITN) in accordance with the requirements of the Finance Ordinance, and the 2024-2025 approved budget for the Building Maintenance Section (Account No. 101-447-777-000). Bid invitations were placed on the Michigan Inter-governmental Trade Network (MITN) and twenty-one bids were received and opened in the presence of the Bid Committee at 2:00 p.m. on January 28, 2025. Attached is a tabulation of all bids received.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

It is the recommendation of the Department of Public Works that the following low bids, which meet specifications, be accepted to supply the Building Maintenance Section with custodial supplies specified at the unit prices bid for the period January 1, 2025 - December 31, 2025

1. Supply Den, 1837 Enterprise Dr., Rochester Hills, MI 48309 \$ 92,979.00
2. MSC Industrial Supply, 13599 Merriman, Livonia, MI 48150 \$ 5,677.50
3. Imperial Dade, 1801 Howard, Detroit, MI 48216 \$ 2,302.80

\$100,959.30

SPECIFIC NAME OF PRODUCT AND NUMBER TO BE PURCHASED (if more than one)

Varies per vendor

CONTRACT: Amount and/or purchase price and length of contract (with dates if applicable)

\$100,959.30

DETAILED WORK BEING PERFORMED

purchase of custodial supplies

FISCAL CONSIDERATIONS (Amount requested and Account(s) used. If applicable, Grant Funding information)

\$100,959.30

Account No. 101-447-777-000

ACCEPTANCE OF BID (Please detail the following: Why accepted, why not lowest bidder, company name, contact person, full address)

Lowest bid suppliers selected, whose product meets our specifications.

REASON TO WAIVE BID PROCESS (Emergency, Professional services, No advantage to City and why, Consortium package, etc): n/a

ATTACHMENTS

1. 2025 DPW Custodial Supplies BID TAB

APPROVED BY



Douglas L. Moore, MSA, Assistant Director of Public Works

Date: January 31, 2025



Debra Peck Lichtenberg, CPA, Finance Director

Date: January 31, 2025



Maureen Miller Brosnan, Mayor

Date: January 31, 2025

2025 Custodial Supplies Bid List – City of Livonia

Description	Brand	Est. 2025 Volume	UOM	Cost per Case /UofM	TOTAL Cost	Vendor
Spartan Hepacide Quat II Disinfectant Spray; Quart bottles, 12 quarters per case	Spartan or equivalent	120	cases	\$ 19.19	\$ 2,302.80	Imperial
Spartan NABC, Non-Acid Disinfectant Cleaner, floral fresh scent; 5 -gallon pails	Spartan or equivalent	150	5-gallon pails	\$ 37.85	\$ 5,677.50	MSC
Natural Multifold Towels; 4,000 towels per case, 250 towels per pack, 16 packs per case		1,500	cases	\$ 18.82	\$ 28,230.00	Supply Den
9" Jr. Jumbo Bathroom Tissue, 2ply; 12 rolls per case		1,000	cases	\$ 22.25	\$ 22,250.00	Supply Den
Natrual Roll Towels; 800 per roll; 6 rolls per case		800	cases	\$ 21.26	\$ 17,008.00	Supply Den
Bleach; 6 gallons per case		100	cases	\$ 14.82	\$ 1,482.00	Supply Den
Kutol Health Guard EZ foaming hair and body shampoo; 1,000 ml refills; 6 per case, must fit Kutol dispensers	Kutol or equivalent	400	cases	\$ 45.00	\$ 18,000.00	Supply Den
Gojo pink lotion soap; 800 ml bag in a box, must fit Gojo soap dispensers	Gojo or equivalent	150	cases	\$ 40.06	\$ 6,009.00	Supply Den
GRAND TOTAL					\$ 100,959.30	

Supply Den \$ 92,979.00

MSC \$ 5,677.50

Imperial \$ 2,302.80

\$ 100,959.30

CITY OF LIVONIA
CLEANING PRODUCTS BID TAB

Description	Abney Direct	ACE Business Supplies	ACE Resotor -ation	AGNI Ent.	Arrow Office Sply	Broomz	Carolinas Paper Sply	Central Poly Bag	Conserv Flag Co	Ducket Bros	Elite	Imperial	KSS Ent.	Lower Huron Supply	Milcraft Paper	MSC	Pacific Star	Quill	Staples	Supply Den	Cobuilder
PAPER SUPPLIES																					
Natural Multifold Towels; 4,000 towels per case, 250 towels per pack, 16 packs per case	\$ 29.00	\$ 59.76	\$ 46.88	\$ 29.30	\$ 19.99	\$ 23.10	\$ 23.10	\$ 29.00	\$ 22.89	\$ 25.44	\$ 26.14	\$ 16.28	\$ 25.25	\$ 18.49	\$ 21.39	\$ 28.50	\$ 26.79	\$ 32.47	\$ 29.00	\$ 18.22	\$ 45.31
9" Jr. Jumbo Bathroom Tissue, 2ply; 12 rolls per case	\$ 30.00	\$ 40.41	\$ 81.88	\$ 37.76	\$ 19.99	\$ 27.15	\$ 23.10	\$ 28.50	\$ 26.89	\$ 38.43	\$ 40.14	\$ 23.60	\$ -	\$ 21.30	\$ 25.24	\$ 36.50	\$ 36.01	\$ 45.44	\$ 30.00	\$ 22.25	\$ 25.74
Natrual Roll Towels; 800 per roll; 6 rolls per case	\$ 34.00	\$ 85.56	\$ 50.26	\$ 45.90	\$ 24.79	\$ 28.26	\$ 25.30	\$ 30.00	\$ 26.89	\$ 31.31	\$ 35.27	\$ 19.98	\$ 34.45	\$ 22.18	\$ 25.46	\$ 33.92	\$ 32.62	\$ 73.88	\$ 26.00	\$ 21.56	\$ 33.98
CLEANERS/SOAPS																					
Bleach; 6 gallons per case	\$ 35.00	\$ 70.43	\$ 45.19	\$ 31.24	\$ 25.39	\$ 20.62	\$ 28.75	\$ -	\$ 35.89	\$ 26.13	\$ 32.45	\$ 20.88	\$ 28.32	\$ 21.02	\$ -	\$ 30.73	\$ 31.46	\$ 45.14	\$ 20.02	\$ 14.82	\$ 30.89
Spartan NABC, Non-Acid Disinfectant Cleaner, floral fresh scent; 5 -gallon pails	\$ 210.00	\$ 127.04	\$ 194.78	\$ 90.16	\$ 31.88	\$ 41.00	\$ 116.15	\$ -	\$ 48.89	\$ 29.31	\$ 77.88	\$ 40.39	\$ 69.40	\$ 46.80	\$ -	\$ 37.85	\$ -	\$ -	\$ 133.33	\$ 45.77	\$ 128.74
Kutol Health Guard EZ foaming hair and body shampoo; 1,000 ml refills; 6 per case, must fit Kutol dispensers	\$ 70.00	\$ 126.00	\$ 91.19	\$ 86.25	\$ -	\$ 46.00	\$ 53.00	\$ -	\$ 53.89	\$ 66.44	\$ -	\$ 48.92	\$ -	\$ 53.65	\$ -	\$ 49.20	\$ -	\$ -	\$ 60.27	\$ 45.00	\$ 63.85
Gojo pink lotion soap; 800 ml bag in a box, must fit Gojo soap dispensers	\$ 50.00	\$ 85.76	\$ 120.38	\$ 71.79	\$ 44.14	\$ 8.50	\$ 48.30	\$ -	\$ 65.89	\$ 72.55	\$ -	\$ 44.49	\$ 24.62	\$ 52.95	\$ -	\$ 5.96	\$ -	\$ -	\$ 46.24	\$ 40.06	\$ 62.82
Spartan Hepacide Quat II Disinfectant Spray; Quart bottles, 12 quarters per case	\$ 110.00	\$ 119.99	\$ 96.05	\$ 47.01	\$ 76.79	\$ 35.60	\$ 38.20	\$ -	\$ 32.89	\$ 55.44	\$ 38.55	\$ 19.19	\$ 33.67	\$ 24.95	\$ -	\$ 4.98	\$ -	\$ -	\$ 34.38	\$ 39.73	\$ 69.00

Notes:

Imperial	Need a sample of the multifold towel to validate quality.
Supply Den	Power Quat color is unacceptable. Need blue color, not yellow.

Paper needs to be consolidated due to freight costs with one supplier.

**CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD FEBRUARY 10, 2025**

Meeting was called to order at 9:05 p.m. by Council President McCullough. Present: Laura Toy, Rob Donovic, Carrie Budzinski, and President McCullough. Absent: Vice President Ptashnik, Lynda Scheel, and Scott Morgan.

Elected and appointed officials present: Carter Fisher, City Attorney; Lori L. Miller, City Clerk; and Todd Zilincik, City Engineer.

Councilmember Toy led the meeting with the Pledge of Allegiance.

6. REQUEST TO WAIVE THE FORMAL BIDDING PROCESS AND APPROVE VENDORS FOR EQUIPMENT MAINTENANCE: Department of Public Works, re: to allow authorized vendors to perform equipment repairs in an amount not-to-exceed \$400,000, for fiscal year 2025, from budgeted funds.

Doug Moore, Assistant Director of DPW, presented the item to Council. Mr. Moore indicated there has been a shortage of permanent personnel in the Fleet Garage to maintain the vehicles of the City. DPW relies on various certain vendors to assist with the fleet maintenance work. He was optimistic that equipment repairs should not hit the threshold requested, however, stated it was a needed assignment of work to keep things moving and in working order.

Councilmember Donovic stated the members of the Fleet Garage work incredibly hard and understood the City has struggled to fill positions in the Garage on a permanent basis. Councilmember Donovic inquired if that continued to be true.

Mr. Moore explained offers of employment has been made and DPW is feeling hopeful to remedy the personnel shortage in the Garage and hopefully the full extent of allotted funds will not need to be used.

DIRECTION:

APPROVING

CONSENT



LETTER TO THE LIVONIA CITY COUNCIL

6.

DPW

January 21, 2025

MEETING DATE

S021025/R022425

PRESENTED BY

Douglas L. Moore, MSA, Assistant Director of Public Works

AGENDA ITEM

REQUEST TO WAIVE THE FORMAL BIDDING PROCESS AND APPROVE VENDORS FOR EQUIPMENT MAINTENANCE: Department of Public Works, re: to allow authorized vendors to perform equipment repairs in an amount not-to-exceed \$400,000, for fiscal year 2025, from budgeted funds.

BACKGROUND DETAILS

Hiring, training and retaining Equipment Maintenance Mechanics has become a challenge the past few years. Historically, our mechanics were trained in a broad range of skills, from simple oil and fluid changes to welding leaf boxes. From February 2020 through January 2025, we have had eleven (11) job postings for mechanics (Mechanic II, Mechanic and Mechanic Trainee). From those eleven postings, we have had forty applicants for the three positions with twenty-three making various eligibility lists. Our latest postings, from November/December 2024 brought us three Equipment Mechanic Trainee candidates, two Equipment Mechanic I candidates and three Equipment Mechanic II candidates. Interviews of candidates are in process from the three postings.

During this critical time of the year, prioritizing the upcoming workload became the most important task. Making sure the equipment is prepped and ready for the snow and ice season is a huge commitment for our staff. And in order to properly maintain our fleet, we have been forced to send a great deal of our maintenance and repair work to outside vendors, additionally having mechanics and vendors come into the DPW yard to perform repairs and preventative maintenance, averaging around \$10,000.00 per week. In 2025, the outside repair budgetary line item was increased to \$400,000.00.

The list of outside contractors includes:

Alex and Dave's - Repairs and Preventative Maintenance (PM's)

Auto One - Glass replacement and detailing cleaning odor problems

Bill Brown's - PM's and repairs

Optimum Fleet & Equipment Repairs LLC - All types of equipment repair. Trucks, Backhoes, Chippers and Leaf Machines.

Wolverine Truck - Heavy truck repairs.

Southeastern Equipment - Tractor repairs and PM's.

Dave's Collision - Vehicle repairs.

Mark's Mower - Generator repairs.

Versalift Midwest - Servicing our water department service trucks.

Jeff's Trailers - Repair of leaf machines, chippers, and trailers. Brakes, wheel bearings, suspensions and wiring.

Tiremaxx - Repairs, replacements, mounting and service calls.

Hutson Inc. - Mower and tractor repairs and PM's.

Weingartz - Mower PM's

Detroit Equipment

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

Authorize the use of the above referenced vendors to perform equipment repairs in the amount not to exceed \$400,000 for fiscal year 2025

SPECIFIC NAME OF PRODUCT AND NUMBER TO BE PURCHASED (if more than one)

Funds to pay outside vendors for outside work on city vehicles

CONTRACT: Amount and/or purchase price and length of contract (with dates if applicable)

none

DETAILED WORK BEING PERFORMED

none

FISCAL CONSIDERATIONS (Amount requested and Account(s) used. If applicable, Grant Funding information)

Budgeted funds are available in account # 101-443-933-050, Equipment Maintenance - Outside Repair.

ACCEPTANCE OF BID (Please detail the following: Why accepted, why not lowest bidder, company name, contact person, full address)

Many of the vendors are the sole source supplier of the equipment and have agreed to come to the DPW yard and perform the necessary work. The city has an established working relationship with the vendors being used. These vendors have a history of good work performance, knowledge of the city equipment, and the capacity to be able to perform the work. Additionally, the location of many of the vendors in proximity to DPW is also a big advantage with the transportation of the equipment.

REASON TO WAIVE BID PROCESS (Emergency, Professional services, No advantage to City and why, Consortium package, etc): Waive the formal bidding process in accordance with Section 3.04.140.E.1 of the Livonia Code of Ordinances, as amended since no advantage to the City would result from competitive bidding.

ATTACHMENTS

1. S021025 LTC Equip main vendors

APPROVED BY



Date: January 23, 2025

Douglas L. Moore, MSA, Assistant Director of Public Works



Date: January 23, 2025

Don Rohraff, Director of Public Works



Date: January 24, 2025

Debra Peck Lichtenberg, CPA, Finance Director



Date: January 31, 2025

Maureen Miller Brosnan, Mayor

**CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD FEBRUARY 10, 2025**

Meeting was called to order at 9:05 p.m. by Council President McCullough. Present: Laura Toy, Rob Donovic, Carrie Budzinski, and President McCullough. Absent: Vice President Ptashnik, Lynda Scheel, and Scott Morgan.

Elected and appointed officials present: Carter Fisher, City Attorney; Lori L. Miller, City Clerk; and Todd Zilincik, City Engineer.

Councilmember Toy led the meeting with the Pledge of Allegiance.

7. REQUEST FOR AUTHORIZATION TO PURCHASE ONE (1) 2025 CASE BACKHOE MODEL 580SN THROUGH THE SOURCEWELL CONTRACT (FORMERLY NJPA): Department of Public Works, re: to be used by the Roads Department, from budgeted funds.

Doug Moore, Assistant Director of DPW, presented the item to Council. Mr. Moore stated in the past the Water Section would send over backhoes to the Roads Section when they were no longer useful to the Water Section. That practice has changed recently in that the Water Section now orders excavators which are not passed down to the Roads Section. The request is to use the Sourcewell contract for the best pricing to purchase a backhoe for the Roads Section from budgeted funds.

DIRECTION:

APPROVING

CONSENT



LETTER TO THE LIVONIA CITY COUNCIL

7.

DPW

January 23, 2025

MEETING DATE

S021025/R022425

PRESENTED BY

Douglas L. Moore, MSA, Assistant Director of Public Works

AGENDA ITEM

REQUEST FOR AUTHORIZATION TO PURCHASE ONE (1) 2025 CASE BACKHOE MODEL 580SN THROUGH THE SOURCEWELL CONTRACT (FORMERLY NJPA): Department of Public Works, re:to be used by the Roads Department, from budgeted funds.

BACKGROUND DETAILS

The Roads section of the DPW is seeking to purchase a new Case Backhoe with quick coupler attachments and extended 48-month warranty to replace one of our older units which is no longer reliable, the repair cost has exceeded its value, and will be sold at public auction. This purchase will be made through the Sourcewell contract number 011723-CNH, an extended purchasing program made available to local governments through the Sourcewell Contract (formerly NJPA) which meets our Finance ordinance. The contract this year was awarded to Southeastern Equipment Company, 48545 Grand River Ave., Novi, MI 48734.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

Recommendation to purchase one new 2025 Case Backhoe Model 580SN to be used by the Roads Department (ID #408) for a cost of \$128,426.40 (A 28% price savings) from Southeastern Equipment Company, 48545 Grand River Ave., Novi, MI 48734 through the Sourcewell purchasing consortium from fund budgeted in Acct # 401-000-987-000 This purchase will also include the extended premier warranty for 48 months or 4,000 hrs, that covers all maintenance during this period for \$5,888.00 and a Tink 520 claw at a cost of \$16,900.00. Along with delivery and freight charges of \$2,900.00, the total cost for this purchase will be \$154,114.40.

SPECIFIC NAME OF PRODUCT AND NUMBER TO BE PURCHASED (if more than one)

Budget funds in the amount of \$154,114.40 are available in account no. 401-000-987-000

CONTRACT: Amount and/or purchase price and length of contract (with dates if applicable)

Price	\$ 178,370.00
Discount	- 49,943.60
28%	
Tink Claw	16,900.00

Extended Warranty	5,888.00
Prep & Delivery	2,900.00
TOTAL	\$ 154,114.40

DETAILED WORK BEING PERFORMED

.n/a

FISCAL CONSIDERATIONS (Amount requested and Account(s) used. If applicable, Grant Funding information)

G/L # 401-000-987-000
\$154,114.40

ACCEPTANCE OF BID (Please detail the following: Why accepted, why not lowest bidder, company name, contact person, full address)

Sourcewell Cooperative purchasing consortium

REASON TO WAIVE BID PROCESS (Emergency, Professional services, No advantage to City and why, Consortium package, etc): Waive the formal bidding process in accordance with Section 3.04.140.E.4 of the Livonia Code of Ordinances, as amended since no advantage to the City would result from competitive bidding.

ATTACHMENTS

1. LTC-2025 Case Loader 580SN-Roads

APPROVED BY



Douglas L. Moore, MSA, Assistant Director of Public Works

Date: January 23, 2025



Don Rohraff, Director of Public Works

Date: January 23, 2025



Debra Peck Lichtenberg, CPA, Finance Director

Date: January 24, 2025

Maureen Miller Brosnan

Date: January 31, 2025

Maureen Miller Brosnan, Mayor

DEPARTMENT OF PUBLIC WORKS
PUBLIC SERVICE DIVISION
FLEET MAINTENANCE

GARY T. GARRISON
FLEET MANAGER



JAMES (BUZZ) KIRBY
FLEET MANAGER

13405 SURREY STREET
LIVONIA, MICHIGAN 48150-1527
(734)-466-2704
FAX: (734)-466-2662

January 13, 2025

Purchase of One New 2025 Case Backhoe Model 580SN to be used by the Roads Section of the DPW. Our assigned city unit number will be #408.

The Roads section of the DPW is seeking to purchase a new Case Backhoe as a replacement for one of our older units. The older units were removed from service because they are no longer reliable, and their repair cost has exceeded their value.

I am recommending we purchase this Backhoe from Southeastern Equipment Company, 48545 Grand River Ave, Novi, MI 48734. If approved this purchase will be made through Sourcewell, Contract Number 011723-CNH. This meets our financial ordinance for purchasing and provides us with the best possible pricing. The savings discount of 28% is shown in the quote. The after-discount price is \$128,426.40.

This purchase will also include the extended premier warranty for 48 months or 4000 hrs. This is the extended Case ProCare that covers all maintenance during this period for \$5,888.00. This purchase also includes a Tink 520 claw at a cost of \$16,900.00.

The total cost for this purchase after delivery, freight and pre-delivery cost, will be \$154,114.40. This cost will come from approved budgeted funds in account 401-000-987-000.

The Backhoe that is being replaced will be disposed of through a public auction.

If you have any questions or require additional information, I can be reached on ext. 2641.

Gary T. Garrison
Fleet Manager

SOURCEWELL SALES ORDER

DATE: JANUARY 7, 2025

SALESPERSON: CALEB CHRISTNER / 022
ACCOUNT #: 758175
COUNTY: WAYNE
Sourcewell Contract #: 011723-CNH

CUSTOMER CONTACT: GARY GARRISON
PO # (IF APPLICABLE):
SHIP TO (IF APPLICABLE):

PURCHASER:

CITY OF LIVONIA
13405 SURREY ST
LIVONIA, MI 48150
P: 734-466-2641

SELLING BRANCH:

48545 Grand River, Novi, MI 48374
Branch: (248) 349-9922

FINANCE INFORMATION:

Financed by: Cash, Check, or Other
Rate:
Term:

EQUIPMENT PURCHASED:

Eq #/ Serial #/ Item #	Product Notes	List Price	Discount %	Sourcewell Total Price
RC786221 JJGN58SNERC786221	2025 Case 580SN 580SN 4WD T4 FINAL. -580SN 4WD T4 FINAL. 58SNT4F -58SN T4 FEAT WW -WORLD WIDE 4WD -MFD - 464626 -1CAB PLT PDH 2WAY1 423062 -Powershift H-Type Transmission 8201110 -12x16.5, LUG Tread Tires (2) 8401140 -19.5LX24, STD Tire Rear Wheels 464074 -1-WAY OR 2-WAY AUX & EHOE PKG 423047 -Heavy Front CWT, Extnhoe 423078 -Pilot Controls w/Power Lift 442018 -Mechanical Quick Coupler 423069 -24" Universal Bucket 442056 -Flip Over/Stabilizer Pads Comb 464078 -RC & CS & 3SPL PKG 747539- 93" HD Long Lip W/Cutting Edge 747855 -Cab, LH Door w/Heater/AC 745161 -Premium Air Susp Heated 423090 -Auto Ride Control 464957 -Transport Protection 745242 -LED Light Package 423093 -Cold Start Dual Battery 745252 -Severe Cold Weather 480018 -CONNECTIVITY 480018 480026 -5YR CUSTOMER 480026 745269 -STD 4WD FRONT AXLE	\$178,370.00	28%	\$128,426.40
	Tink Claw Tink C520 1.2 CYD. CLAW Fit: 580SN & PDI	\$16,900.00	%	\$16,900.00
	Delivery Delivery from SEC dealer to C/O Livonia	\$700.00	%	\$700.00
	Freight	\$1,000.00	%	\$1,000.00

	Freight from Manufacturer top SEC Dealer			
	PDI	\$1,200.00	%	\$1,200.00
	Pre-delivery Inspection performed by SEC Dealer			
	Extended Warranty	\$5,888.00	%	\$5,888.00
	Premier Extended Warranty - 24MO/2000HRS Total Warranty: 48MO/4000HRS			

NOTES:

Tink Claw Lead Time- 20-22 Weeks

EQUIPMENT WARRANTY AND DELIVERY INFORMATION:

Warranty Type: Sold with standard manufacturer warranty.
Warranty Detail: Standard Manufacturer Warranty-
1-Year/Unlimited-Hour Full-Coverage Base Limited Warranty
2-Year/2,000-Hour Extended Engine Warranty

Delivery Method: Hired Truck
Delivery Date:
Delivery Info:

TRADE-IN EQUIPMENT:

Year	Manufacturer	Model	Serial #	Trade-In Allowance
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[TOTALS, TERMS AND CONDITIONS, AND SIGNATURES ON FOLLOWING PAGE]

A. Definitions. Seller is Southeastern Equipment Co. Inc.; Purchaser is the entity denoted above in the box titled purchaser; collectively Seller and Purchaser may be referred to as Parties; Equipment is new or used equipment being purchased by Purchaser; Trade-In Equipment is equipment being sold by Purchaser to Seller in exchange for a credit only applied to this sale; and Agreement is this contract for the sale and Trade-In of equipment between the Parties.

B. Price and Payment. The Purchaser and Seller agree that the Total Amount Due will be finally determined by Seller on the date of Delivery of the Equipment based on the manufacturer invoice plus any surcharges from the manufacturer. Seller hereby does sell, convey and transfer title to Purchaser for Equipment upon full payment of the Balance Due, as calculated pursuant to this Agreement. Purchaser shall remit payment to Seller by cash, check, electronic wire, ACH or other reasonable commercially acceptable method of payment within thirty (30) days of Delivery of Equipment if Purchaser has established line of credit with Seller or immediately upon Delivery of Equipment if no line of credit is established. A finance charge of 1.5% per month (or the maximum amount permitted under applicable state law) will be assessed on all past due balances. All additional taxes or fees owed because of the sale are the responsibility of the Purchaser. **SELLER RETAINS A SECURITY INTEREST IN THE EQUIPMENT UNTIL THE FULL PURCHASE PRICE IS RECEIVED BY SELLER.**

C. Delivery of Equipment. Seller will make Equipment available according to the delivery instructions contained herein. If no instructions are included, the Seller will make Equipment available at the location where the Equipment is located. Purchaser is responsible for all shipping and trucking costs, including loading and unloading, permits and other expenses. Costs may be included in the Total Amount Due if trucking has been predetermined. Any change in delivery location may result in additional charges to be borne by Purchaser. Special order Equipment will be made available once delivery is received by Seller from Equipment supplier. Unless Seller is using Seller's in-house trucking services, Equipment is delivered FOB Seller's location. Seller reserves the right to subcontract or assign Seller's obligation to deliver Equipment. Seller reserves the right to substitute Equipment that is the same year, condition, make, model, within ten (10) hours on the hour meter, and of the same or better configuration without breach of this Agreement or notice.

D. Condition of Equipment. **ALL EQUIPMENT IS SOLD AS IS, WHERE IS UNLESS OTHERWISE STATED IN THIS AGREEMENT. SELLER MAKES NO EXPRESS OR IMPLIED REPRESENTATIONS OR WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS, EXCEPT FOR WARRANTY EXPRESSLY MADE ON THIS AGREEMENT.** Manufacturer warranty does not in itself create a warranty by Seller. Any reference to hour meters on used equipment is for informational purposes only, Purchaser should inspect any used equipment prior to purchase. Purchaser acknowledges warning and responsibility for inspecting all equipment and ensuring equipment meets any and all applicable safety and operational guidelines and laws for use, including the standards set forth in the Federal Occupational Safety and Health Act of 1970, as amended and restated.

E. Trade-In Equipment. If Trade-In Equipment is included on this Agreement, Purchaser hereby bargains, sells and conveys unto Seller the Trade-In Equipment and represents and warrants that Purchaser has marketable title free and clear of any encumbrances, liens, and security interests except to the extent included in the trade payoff number and fully disclosed to Seller. If Trade-In Equipment is not delivered to the Seller prior to delivery of the Equipment to Purchaser, the Trade-In Equipment may be reappraised at the sole discretion of Seller and such reappraisal value shall determine the allowance made for such Trade-In Equipment. In the event the Trade-In Equipment appraisal value is less than the original allowance for said equipment, the Purchaser may terminate this order, however, termination will only be valid if received prior to delivery of Equipment.

F. Limitation of Liability. **IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INDIRECT, INCIDENTAL, PUNITIVE, SPECIAL OR CONSEQUENTIAL DAMAGES, OR DAMAGES FOR LOSS OF PROFITS, REVENUE, OR USE INCURRED BY PURCHASER OR ANY THIRD PARTY, WHETHER IN AN ACTION IN CONTRACT, OR TORT, OR OTHERWISE EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. SELLER'S LIABILITY FOR DAMAGES ARISING OUT OF**

Accepted for Seller by:

Sign: _____ Date: _____

Print Name: _____

Customer PO:	
SALES ORDER TOTALS	
Total Equipment Price	\$154,114.40
Total Trade-In Allowance	\$0.00
Trade-In Difference	\$154,114.40
Applied Rent	
Carrying Charge	
Fuel, DEF & Other	
Freight/Trucking	
Title and License Fees	
Total Trade Payoff	\$0.00
Total Price Before Tax	\$154,114.40
Sales Tax	
FET Tax	
Total Amount Due	\$154,114.40
Down Payment	
Balance Due	\$154,114.40

OR IN CONNECTION WITH THIS AGREEMENT SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE RELEVANT EQUIPMENT. Seller shall not be deemed to be in default of any provision of this Agreement, or for failures in performance, resulting from acts or events beyond Seller's reasonable control ("Force Majeure"). Force Majeure shall include, but are not limited to, acts of God, civil or military authority, civil disturbance, war, strikes, fires, and labor disputes. In the event delivery of Equipment is delayed more than thirty (30) days because of Force Majeure, Purchaser may cancel all or part of its purchase of Equipment.

G. Miscellaneous. Due to price fluctuations in the market, Seller reserves the right to pass on any price increase or surcharge to the Purchaser and Purchaser agrees to pay it pursuant to the terms set forth in paragraph B. This Agreement constitutes the complete agreement between the Parties with respect to its subject matter and supersedes all prior or contemporaneous agreements, understandings, representations, discussions, proposals, literature, and the like written or oral. This Agreement may not be modified or amended except in a writing signed by an authorized representative of the Seller and Purchaser. Use of headings in this Agreement are for convenience only and are not to be construed in the meaning of the instrument. This Agreement may be executed in counterparts and any scan, copy or facsimile will be deemed valid as an original copy. In the event any provision of this Agreement is determined to be unlawful or against public policy and found invalid or unenforceable, the remaining provisions will remain in full force and effect. The waiver by either party of any default or breach of this Agreement shall not constitute a waiver of any other or subsequent breach. This Agreement, and all matters arising out of or relating to this Agreement, are governed by the laws of the State of Ohio. Any legal action or proceeding relating to this Agreement may only be brought within the jurisdiction of Guernsey County, Ohio.

H. Authority and Understanding. In signing this Sales Order, you represent that you have the authority to sign on behalf of the Purchaser for the purchase of Equipment and disposition of Trade-In Equipment, you have read and fully understand all terms of this Agreement, and you acknowledge receipt of a fully complete and accurate copy of this Agreement and waive notice of the acceptance or rejection of the Purchaser's offer by the Seller.

I. IF CUSTOMER PAYS ANY BALANCE OWED UNDER THIS SALES ORDER USING CREDIT/CHARGE CARD, SOUTHEASTERN RESERVES THE RIGHT TO CHARGE AN ADDITIONAL 3% OF THE TOTAL INVOICE AS A CONVENIENCE FEE WHICH CUSTOMER

Purchaser (CITY OF LIVONIA):

Sign: _____ Date: _____

Print Name: _____

**CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD FEBRUARY 10, 2025**

Meeting was called to order at 9:05 p.m. by Council President McCullough. Present: Laura Toy, Rob Donovic, Carrie Budzinski, and President McCullough. Absent: Vice President Ptashnik, Lynda Scheel, and Scott Morgan.

Elected and appointed officials present: Carter Fisher, City Attorney; Lori L. Miller, City Clerk; and Todd Zilincik, City Engineer.

Councilmember Toy led the meeting with the Pledge of Allegiance.

8. REQUEST TO APPROVE THE PROPOSED 2025 SIDEWALK REPAIR PROGRAM: Engineering Division, re: to include approximately 554 locations throughout the City (784-82)

Todd Zilincik, City Engineer, presented the item to Council. Mr. Zilincik stated the Sidewalk Repair Program is done on an annual basis and the program will start in April. The Engineering division goes out throughout the year to check the integrity of City sidewalks and the list being presented to Council for approval includes approximately 554 scattered locations throughout the City. Mr. Zilincik stated if residents are not able or do not pay for the sidewalk repair, then the Engineering Division would prepare a list for Special Assessments. In order to get ready for the construction season, this contract is being brought to Council for approval.

DIRECTION:

APPROVING

CONSENT



LETTER TO THE LIVONIA CITY COUNCIL

8.

Engineering
January 30, 2025

MEETING DATE

Study Meeting of February 10, 2025

PRESENTED BY

Todd Zilincik, P.E., City Engineer

AGENDA ITEM

REQUEST TO APPROVE THE PROPOSED 2025 SIDEWALK REPAIR PROGRAM: Engineering Division, re: to include approximately 554 locations throughout the City (784-82)

BACKGROUND DETAILS

The City Council, by Resolution No. 784-82, concurred with and approved the Engineering Department's report dated September 30, 1982, relative to an annual sidewalk repair and maintenance program.

The proposed 2025 Sidewalk Repair Program consists of resident complaints and requests of approximately 272 scattered locations throughout the City, as well as two target areas, Section 19 with 125 locations and Section 22 with 157 locations. The list indicating where sidewalks require installation, repair and/or replacement adjacent to private property is included. This year's program consists of a total of approximately 554 locations.

Also attached is a recommended resolution that, if adopted, will require the property owners shown on the attached lists to notify the City of their intention to have the installation, repair, or the removal and replacement of certain unsafe sections of sidewalk done privately no later than May 5, 2024, after which date the Engineering Division shall arrange for the construction and/or reconstruction of the said sidewalks.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

RESOLVED, that having considered a communication from the City Engineer, dated January 31, 2025, approved by the Director of Public Works and approved for submission by the Mayor, to which is attached various lists of sidewalks requiring installation or replacement within miscellaneous locations throughout the City of Livonia, said list being included herein by reference, in connection with the 2025 Sidewalk Repair Program and for reasons stated, the Council does hereby require the respective owners of lots and premises referred to in said list, to install or to remove and replace sidewalk at such premises, and the City Clerk is hereby requested to do all things necessary to carry out the provisions of this resolution which is made pursuant to Section 12.04.340 of the Livonia Code of Ordinances, as amended; FURTHER, said notice shall set forth

that the respective owners of lots and premises herein referred to shall notify the City of their intention to have the work done privately no later than May 5, 2025, after which date the Engineering Division shall arrange for the construction and/or reconstruction of the said sidewalks; FURTHER, the Council does hereby authorize the construction and/or reconstruction of various sections of sidewalks and crosswalks at several locations within the City inasmuch as the same are the City's responsibility.

SPECIFIC NAME OF PRODUCT AND NUMBER TO BE PURCHASED (if more than one)

n/a

CONTRACT: Amount and/or purchase price and length of contract (with dates if applicable)

n/a

DETAILED WORK BEING PERFORMED

n/a

FISCAL CONSIDERATIONS (Amount requested and Account(s) used. If applicable, Grant Funding information)

n/a

ACCEPTANCE OF BID (Please detail the following: Why accepted, why not lowest bidder, company name, contact person, full address)

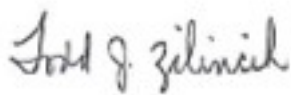
n/a

REASON TO WAIVE BID PROCESS (Emergency, Professional services, No advantage to City and why, Consortium package, etc): n/a

ATTACHMENTS

1. Proposed Resolution - 2025
2. Proposed 2025 Sidewalk Replacement Locations for Council 1-31-25

APPROVED BY



Todd Zilincik, P.E., City Engineer

Date: January 31, 2025



Don Rohraff, Director of Public Works

Date: January 31, 2025



Date: January 31, 2025

Maureen Miller Brosnan, Mayor

PROPOSED RESOLUTION

RESOLVED, that having considered a communication from the City Engineer, dated January 31, 2025, approved by the Director of Public Works and approved for submission by the Mayor, to which is attached various lists of sidewalks requiring installation or replacement within miscellaneous locations throughout the City of Livonia, said list being included herein by reference, in connection with the 2025 Sidewalk Repair Program and for reasons stated, the Council does hereby require the respective owners of lots and premises referred to in said list, to install or to remove and replace sidewalk at such premises, and the City Clerk is hereby requested to do all things necessary to carry out the provisions of this resolution which is made pursuant to Section 12.04.340 of the Livonia Code of Ordinances, as amended; FURTHER, said notice shall set forth that the respective owners of lots and premises herein referred to shall notify the City of their intention to have the work done privately no later than May 5, 2025, after which date the Engineering Division shall arrange for the construction and/or reconstruction of the said sidewalks; FURTHER, the Council does hereby authorize the construction and/or reconstruction of various sections of sidewalks and crosswalks at several locations within the City inasmuch as the same are the City's responsibility.

Proposed 2025 Sidewalk Replacement Locations for Council 1-31-25

	A	B	C
1	Address	Street Name	Section
2			
3			
4	19826	Angling	1
5	19674	Deering	1
6	20117	St. Francis	1
7	19120	Purlingbrook	2
8	19233	Auburndale	3
9	31401	Eight Mile	3
10	31465	Eight Mile	3
11	31523	Eight Mile	3
12	31625	Eight Mile	3
13	31655	Eight Mile	3
14	31675	Eight Mile	3
15	31693	Eight Mile	3
16	31715	Eight Mile	3
17	38750	Grandon	3
18	19215	Hardy	3
19	20515	Merriman	3
20	20523	Merriman	3
21	32150	Pembroke	3
22	34307	Bretton	4
23	34331	Bretton	4
24	20604	Chestnut Circle	4
25	20184	Ellen	4
26	33816	Fairfax	4
27	34776	Fairfax	4
28	34744	Fargo	4
29	19926	Myron	4
30	20103	Myron	4
31	34232	Pembroke	4
32	34257	Pembroke	4
33	34283	Pembroke	4
34	20058	Pollyanna	4
35	34530	St. Martins	4
36	20094	Stamford	4
37	20219	Wayne	4
38	19263	Augusta	5
39	18414	Glastonbury	7
40	18133	Glengarry	7
41	35797	Brookview	8
42	36220	Brookview	8
43	36221	Curtis	8
44	17688	Levan	8
45	18360	Levan	8
46	18384	Levan	8
47	18528	Levan	8
48	36606	Vargo	8
49	36643	Vargo	8

Proposed 2025 Sidewalk Replacement Locations for Council 1-31-25

	A	B	C
50	36986	Vargo	8
51	18310	Westchester	8
52	17491	Woodside	8
53	17134	Ellen	9
54	17519	Francavilla	9
55	18758	Gary	9
56	19011	Gill	9
57	18055	Myron	9
58	19011	Norwich	9
59	17377	Vacri	9
60	19066	Whitby	9
61	31661	Hillbrook	10
62	18202	Mayfield	10
63	32300	Six Mile	10
64	29854	Bobrich	11
65	17406	Brookview	11
66	18753	Flamingo	11
67	19027	Flamingo	11
68	30448	Jeanine	11
69	18139	Middlebelt	11
70	18919	Milburn	11
71	30645	Seven Mile	11
72	29520	Six Mile	11
73	17473	Stamwich	11
74	17360	Deering	12
75	17536	Deering	12
76	18180	Deering	12
77	17630	Dolores	12
78	17666	Dolores	12
79	18948	Gillman	12
80	18960	Gillman	12
81	15724	Green Lane	13
82	16041	Harrison	13
83	15545	Brookfield	15
84	15728	Farmington	15
85	16081	Alpine	16
86	15335	Ashurst	16
87	34217	Coventry	16
88	15456	Fairlane	16
89	15488	Fairlane	16
90	15525	Norwich	16
91	35398	Oakdale	16
92	16503	Surrey	16
93	16615	Whitby	16
94	34479	Woodvale	16
95	16717	Fairway	17
96	16919	Fitzgerald	17
97	36512	Marler	17

Proposed 2025 Sidewalk Replacement Locations for Council 1-31-25

	A	B	C
98	36524	Marler	17
99	36693	Munger	17
100	37099	Munger	17
101	37125	Munger	17
102	36924	Myrna	17
103	15676	Parklane	17
104	16599	Parklane	17
105	36781	Rayburn	17
106	36070	Roycroft	17
107	36142	Roycroft	17
108	36042	Sherwood	17
109	36517	Sherwood	17
110	36721	Sherwood	17
111	36733	Sherwood	17
112	36745	Sherwood	17
113	36757	Sherwood	17
114	36768	Sherwood	17
115	36769	Sherwood	17
116	16110	Wayne	17
117	16411	Wayne	17
118	16443	Wayne	17
119	16471	Wayne	17
120	16662	Westbrook	17
121	36004	Whitcomb	17
122	36038	Whitcomb	17
123	36614	Whitcombe	17
124	36646	Whitcombe	17
125	36678	Whitcombe	17
126	15384	Williams	17
127	15692	Williams	17
128	37736	Bloomfield	18
129	15492	Blue Skies	18
130	37465	Bristol	18
131	38061	Bristol	18
132	38190	Bristol	18
133	15643	Hix	18
134	15661	Hix	18
135	38608	Lancaster	18
136	38626	Lancaster Ct.	18
137	38911	Lapham	18
138	38943	Lapham	18
139	38975	Lapham	18
140	16250	Nola	18
141	15827	Penn	18
142	15886	Penn	18
143	16883	Quakertown	18
144	16915	Quakertown	18
145	14389	Bassett	19

Proposed 2025 Sidewalk Replacement Locations for Council 1-31-25

	A	B	C
146	14083	Blue Skies	19
147	14103	Blue Skies	19
148	14123	Blue Skies	19
149	14143	Blue Skies	19
150	14163	Blue Skies	19
151	14297	Blue Skies	19
152	14510	Blue Skies	19
153	14511	Blue Skies	19
154	14522	Blue Skies	19
155	14525	Blue Skies	19
156	14534	Blue Skies	19
157	14546	Blue Skies	19
158	14558	Blue Skies	19
159	14570	Blue Skies	19
160	14582	Blue Skies	19
161	14608	Blue Skies	19
162	14632	Blue Skies	19
163	14644	Blue Skies	19
164	14656	Blue Skies	19
165	14668	Blue Skies	19
166	14702	Blue Skies	19
167	14714	Blue Skies	19
168	14725	Blue Skies	19
169	14738	Blue Skies	19
170	14751	Blue Skies	19
171	15019	Blue Skies	19
172	15031	Blue Skies	19
173	15132	Blue Skies	19
174	15177	Blue Skies	19
175	15232	Blue Skies	19
176	15244	Blue Skies	19
177	37920	Donald	19
178	37932	Donald	19
179	38027	Donald	19
180	38039	Donald	19
181	38051	Donald	19
182	38063	Donald	19
183	38114	Donald	19
184	38264	Donald	19
185	38873	Donald	19
186	38984	Donald	19
187	39143	Donald	19
188	39202	Donald	19
189	38474	Elsie	19
190	14170	Hlx	19
191	14065	Houghton	19
192	14290	Houghton	19
193	14941	Houghton	19

Proposed 2025 Sidewalk Replacement Locations for Council 1-31-25

	A	B	C
194	15042	Houghton	19
195	15054	Houghton	19
196	15168	Houghton	19
197	15180	Houghton	19
198	15181	Houghton	19
199	15230	Houghton	19
200	15241	Houghton	19
201	37540	Howell	19
202	14507	Huff	19
203	14579	Huff	19
204	14733	Huff	19
205	14756	Huff	19
206	37526	Jamison	19
207	37550	Jamison	19
208	37608	Jamison	19
209	37644	Jamison	19
210	37717	Jamison	19
211	37733	Jamison	19
212	37742	Jamison	19
213	37749	Jamison	19
214	37834	Jamison	19
215	37862	Jamison	19
216	37937	Jamison	19
217	37951	Jamison	19
218	38005	Jamison	19
219	38034	Jamison	19
220	38046	Jamison	19
221	38053	Jamison	19
222	38070	Jamison	19
223	38109	Jamison	19
224	38124	Jamison	19
225	14471	Knolson	19
226	15170	Knolson	19
227	15180	Knolson	19
228	15212	Knolson	19
229	14641	Newburgh	19
230	14755	Newburgh	19
231	14969	Newburgh	19
232	15021	Nola	19
233	14752	Norman	19
234	37862	Parkhurst	19
235	37916	Parkhurst	19
236	38015	Parkhurst	19
237	38029	Parkhurst	19
238	38043	Parkhurst	19
239	39115	Parkhurst	19
240	39195	Parkhurst	19
241	14509	Richfield	19

Proposed 2025 Sidewalk Replacement Locations for Council 1-31-25

	A	B	C
242	14581	Richfield	19
243	14603	Richfield	19
244	14662	Richfield	19
245	14674	Richfield	19
246	14710	Richfield	19
247	14722	Richfield	19
248	14734	Richfield	19
249	14735	Richfield	19
250	14747	Richfield	19
251	39320	Ross	19
252	14141	Stonehouse	19
253	14354	Stonehouse	19
254	14425	Stonehouse	19
255	14437	Stonehouse	19
256	14460	Stonehouse	19
257	14517	Stonehouse	19
258	14705	Stonehouse	19
259	14750	Stonehouse	19
260	38126	Summers	19
261	38156	Summers	19
262	37833	Summers	19
263	37867	Summers	19
264	38038	Summers	19
265	38449	Summers	19
266	13930	Susanna	19
267	13961	Susanna	19
268	14755	Susanna	19
269	15060	Susanna	19
270	14489	Fairway	20
271	14524	Fairway	20
272	14536	Fairway	20
273	14547	Fairway	20
274	14639	Fairway	20
275	14687	Fairway	20
276	15098	Golfview	20
277	36071	Howell	20
278	36020	Lyndon	20
279	36062	Lyndon	20
280	36094	Lyndon	20
281	36026	Martin	20
282	35959	Middleboro	20
283	14049	Parl	20
284	14807	Park	20
285	35603	Paark	20
286	35984	Scone	20
287	14723	Gary	21
288	14735	Gary	21
289	34721	Middleboro	21

Proposed 2025 Sidewalk Replacement Locations for Council 1-31-25

	A	B	C
290	34755	Middleboro	21
291	34938	Perth	21
292	34960	Perth	21
293	34980	Perth	21
294	14458	Ramblewood	21
295	14893	Riverside	21
296	33950	Schoolcraft	21
297	33980	Schoolcraft	21
298	14628	Yale	21
299	14644	Yale	21
300	32971	Allen	22
301	33011	Allen	22
302	33026	Allen	22
303	33058	Allen	22
304	33158	Allen	22
305	15172	Arden	22
306	14999	Auburndale	22
307	32415	Barkley	22
308	32416	Barkley	22
309	32430	Barkley	22
310	32433	Barkley	22
311	32449	Barkley	22
312	32456	Barkley	22
313	32522	Barkley	22
314	32543	Barkley	22
315	32557	Barkley	22
316	32564	Barkley	22
317	32606	Barkley	22
318	32607	Barkley	22
319	32724	Barkley	22
320	32755	Barkley	22
321	32860	Barkley	22
322	32923	Barkley	22
323	33014	Barkley	22
324	33025	Barkley	22
325	33070	Barkley	22
326	33101	Barkley	22
327	33139	Barkley	22
328	14807	Brookfield	22
329	14858	Fairfield	22
330	31613	Grennada	22
331	32953	Grennada	22
332	33007	Grennada	22
333	33023	Grennada	22
334	33037	Grennada	22
335	33038	Grennada	22
336	33111	Grennada	22
337	33127	Grennada	22

Proposed 2025 Sidewalk Replacement Locations for Council 1-31-25

	A	B	C
338	33146	Grennada	22
339	33174	Grennada	22
340	14593	Hubbard	22
341	14019	Ingram	22
342	14700	Ingram	22
343	14166	Loveland	22
344	14182	Loveland	22
345	14420	Loveland	22
346	14514	Loveland	22
347	14515	Loveland	22
348	14529	Loveland	22
349	14618	Loveland	22
350	32406	Lyndon	22
351	32421	Lyndon	22
352	32443	Lyndon	22
353	32611	Lyndon	22
354	32626	Lyndon	22
355	32660	Lyndon	22
356	32765	Lyndon	22
357	32826	Lyndon	22
358	32838	Lyndon	22
359	32909	Lyndon	22
360	33025	Lyndon	22
361	33060	Lyndon	22
362	33082	Lyndon	22
363	33147	Lyndon	22
364	33160	Lyndon	22
365	33209	Lyndon	22
366	32911	Martin	22
367	32914	Martin	22
368	32943	Martin	22
369	32957	Martin	22
370	33009	Martin	22
371	33054	Martin	22
372	33070	Martin	22
373	33115	Martin	22
374	33128	Martin	22
375	14021	Mayfield	22
376	14036	Mayfield	22
377	14039	Mayfield	22
378	14117	Mayfield	22
379	14129	Mayfield	22
380	14145	Mayfield	22
381	32417	Meadowbrook	22
382	32616	Meadowbrook	22
383	32657	Meadowbrook	22
384	32658	Meadowbrook	22
385	32828	Middleboro	22

Proposed 2025 Sidewalk Replacement Locations for Council 1-31-25

	A	B	C
386	32932	Middleboro	22
387	32955	Middleboro	22
388	33047	Middleboro	22
389	33076	Middleboro	22
390	33103	Middleboro	22
391	33130	Middleboro	22
392	32536	Oakley	22
393	32550	Oakley	22
394	32648	Oakley	22
395	32703	Oakley	22
396	32714	Oakley	22
397	32717	Oakley	22
398	32728	Oakley	22
399	32745	Oakley	22
400	32759	Oakley	22
401	32812	Oakley	22
402	32829	Oakley	22
403	32840	Oakley	22
404	32843	Oakley	22
405	32911	Oakley	22
406	32940	Oakley	22
407	33037	Oakley	22
408	33052	Oakley	22
409	33111	Oakley	22
410	33129	Oakley	22
411	32865	Perth	22
412	32923	Perth	22
413	32950	Perth	22
414	33015	Perth	22
415	33018	Perth	22
416	33063	Perth	22
417	33107	Perth	22
418	33129	Perth	22
419	32333	Scone	22
420	32652	Scone	22
421	32653	Scone	22
422	32676	Scone	22
423	32716	Scone	22
424	32717	Scone	22
425	32732	Scone	22
426	32733	Scone	22
427	32745	Scone	22
428	32828	Scone	22
429	32840	Scone	22
430	32902	Scone	22
431	32926	Scone	22
432	33005	Scone	22
433	33017	Scone	22

Proposed 2025 Sidewalk Replacement Locations for Council 1-31-25

	A	B	C
434	33110	Scone	22
435	33134	Scone	22
436	32811	Summers	22
437	32842	Summers	22
438	32953	Summers	22
439	33006	Summers	22
440	33007	Summers	22
441	33043	Summers	22
442	33054	Summers	22
443	33109	Summers	22
444	33132	Summers	22
445	33245	Summers	22
446	14117	Westmore	22
447	14141	Westmore	22
448	14180	Westmore	22
449	14203	Westmore	22
450	14215	Westmore	22
451	14221	Westmore	22
452	14266	Westmore	22
453	14610	Westmore	22
454	14638	Westmore	22
455	14656	Westmore	22
456	29446	Barkley	23
457	29458	Barkley	23
458	29849	Barkley	23
459	30126	Bentley	23
460	30139	Bentley	23
461	30140	Bentley	23
462	30154	Bentley	23
463	30231	Bentley	23
464	31207	Kendall	23
465	29536	Linda	23
466	30277	Lyndon	23
467	30299	Lyndon	23
468	29653	Mason	23
469	29709	Mason	23
470	29714	Mason	23
471	29723	Mason	23
472	29726	Mason	23
473	29738	Mason	23
474	30108	Mason	23
475	14425	Melvin	23
476	30262	Oakview	23
477	30370	Oakview	23
478	14208	Brentwood	24
479	14622	Cavell	24
480	15140	Cavour	24
481	14221	Garden	24

Proposed 2025 Sidewalk Replacement Locations for Council 1-31-25

	A	B	C
482	14229	Garden	24
483	14245	Garden	24
484	29114	Lori	24
485	29116	Perth	24
486	14133	Sunbury	24
487	12430	Camden	25
488	27850	Plymouth	25
489	11771	Newburgh	30
490	38605	Ann Arbor Trail	31
491	38655	Grandon	31
492	38774	Grandon	31
493	39013	Minton	31
494	8818	Norman	31
495	8830	Norman	31
496	8854	Norman	31
497	8926	Norman	31
498	9314	Patton	31
499	9338	Patton	31
500	9351	Patton	31
501	9363	Patton	31
502	9374	Patton	31
503	8969	Crown	32
504	36415	Dowling	32
505	36423	Dowling	32
506	35642	Orangelawn	32
507	35624	Parkdale	32
508	35636	Parkdale	32
509	35648	Parkdale	32
510	36695	Pinetree	32
511	35819	Richland	32
512	35827	Richland	32
513	33746	Cindy	33
514	33850	Cindy	33
515	11017	Edington	33
516	33777	Elmira Ct.	33
517	9941	Hambelton	33
518	35006	Hees	33
519	34109	Parkdale	33
520	34145	Parkdale	33
521	34343	Parkdale	33
522	8943	Parkside	33
523	34715	Plymouth	33
524	8911	Russell	33
525	9911	Arden	34
526	9916	Berwick	34
527	11320	Berwick	34
528	9201	Iowa	34
529	9300	Iowa	34

Proposed 2025 Sidewalk Replacement Locations for Council 1-31-25

	A	B	C
530	9255	Melrose	34
531	9236	Texas	34
532	31540	West Chicago	34
533	9765	Doris	35
534	30690	Elmira	35
535	29839	Grandon	35
536	30156	Grandon	35
537	30227	Grandon	35
538	30244	Grandon	35
539	30445	Grandon	35
540	30463	Grandon	35
541	30552	Grandon	35
542	29581	Hathaway	35
543	30001	Hathaway	35
544	9019	Hugh	35
545	30116	Richland	35
546	11347	Sunset	35
547	28491	Elmira	36
548	29361	Elmira	36
549	9391	Gillman	36
550	9403	Gillman	36
551	28972	Hathaway	36
552	9129	Inkster	36
553	9159	Inkster	36
554	11100	Karen	36
555	8920	Lathers	36
556	9041	Newport Way	36
557	28924	Westfield	36

**CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD FEBRUARY 10, 2025**

Meeting was called to order at 9:05 p.m. by Council President McCullough. Present: Laura Toy, Rob Donovic, Carrie Budzinski, and President McCullough. Absent: Vice President Ptashnik, Lynda Scheel, and Scott Morgan.

Elected and appointed officials present: Carter Fisher, City Attorney; Lori L. Miller, City Clerk; and Todd Zilincik, City Engineer.

Councilmember Toy led the meeting with the Pledge of Allegiance.

9. REQUEST TO WAIVE THE FORMAL BIDDING PROCESS AND APPROVE THE 2025 ASPHALT ROAD PROGRAM BY EXTENDING THE CONTRACT 24-A UNIT PRICES WITH NAGLE PAVING COMPANY: Engineering Division, re: for Contract 25-A in the amount of \$4,275,775.10 from budgeted funds. (CR 94-23 and CR 126-24)

Todd Zilincik, City Engineer, presented the item to Council. Mr. Zilincik spoke highly of the City's vendor, Nagle Paving Company, who has been used over the years for various projects. The request being submitted is for the City's 2025 Asphalt Road Program and Nagle has agreed to extend their pricing from the 2024 contract. Mr. Zilincik indicated the funds have been allocated in the budget and recommended Nagle Paving Company for the contract. Mr. Zilincik stated they hope to start construction in April or May and follow up through the fall and that is why the contract is being brought before Council. He concluded by stating OHM does a great job for us through this program over the years and they continue to do so making sure everything gets done properly.

DIRECTION:

APPROVING

CONSENT



LETTER TO THE LIVONIA CITY COUNCIL

9.

Engineering
January 30, 2025

MEETING DATE

S021025/R022425

PRESENTED BY

Todd Zilincik, P.E., City Engineer

AGENDA ITEM

REQUEST TO WAIVE THE FORMAL BIDDING PROCESS AND APPROVE THE 2025 ASPHALT ROAD PROGRAM BY EXTENDING THE CONTRACT 24-A UNIT PRICES WITH NAGLE PAVING COMPANY: Engineering Division, re: for Contract 25-A in the amount of \$4,275,775.10 from budgeted funds. (CR 94-23 and CR 126-24)

BACKGROUND DETAILS

Based upon the recommendation for scheduled maintenance in the Pavement Management Study, the Department of Public Works established an Asphalt Road Program for 2025. Our consultant, OHM Advisors (OHM) has finalized plans for the 2025 Road Repair Program.

Previously in 2023, OHM provided plans and specifications for Contract 23-A. The bids for the subject project were taken on February 14, 2023, with one (1) bid being submitted. Nagle Paving Company was the lowest responsive qualified bidder and was awarded the contract (CR 94-23) and extended the unit prices for 24-A (CR #126-24). Nagle Paving Company has agreed to the unit price extension for the 2025 Asphalt Road Repair Program and has submitted the attached bid that included revised unit prices for Item 7a – Pavement Removal, Item 37 – 5-6 inch Concrete Pavement Repair, Item 38a – Driveway, Non-reinforced concrete 8 inch and Item 43a – Sidewalk, Concrete 4 inch and agreed upon 150 inspector days based on OHM's recommendation, said amount to be adjusted based upon the quantities of work actually completed.

A total of \$9.5 million dollars is budgeted for the 2025 Asphalt Road Repair Program, including both concrete and asphalt. OHM provided quantities based on an anticipated \$4.3 million budget for the Asphalt Repair Program, Contract 25-A

A total of 17 asphalt road segments inclusive of rehabilitation and maintenance is anticipated to be repaired in 2025 based on the recommendation from the Citizen's Road Advisory Committee meeting held on October 3, 2024.

Please see the attached proposal provided by Nagle Paving on January 31, 2025 in amount of \$4,575,775.15. In order to stay within the FY 2025 Budgeted funds of \$4.3 million, Nagle has agreed to a revised bid amount of \$4,275,775.15 based on reducing the asphalt repair on the street segment Myrna. The repair will be on Myrna is anticipated from Hubbard Road to Ingram Avenue instead of all the way to Merriman Road.

OHM has checked the references of Nagle Paving Company and is familiar with their prior work.

Nagle Paving Company has been our contractor for the 2012 and 2014 through 2024 Asphalt Pavement Programs. We are recommending extending the Contract 24-A unit prices and awarding the 2025 Asphalt Road Repair Program, Contract 25-A to the Nagle Paving Company. Please refer to OHM Advisor's recommendation letter dated January 31, 2025.

In order to proceed with this project, we recommend that the Council take the following actions:

- Waive the formal bidding process under Section 3.04.140.E.3 of the Livonia Code of Ordinances, as amended, since no advantage to the City would result from competitive bidding.
- Extend the Contract 23-A unit prices for the 2025 Asphalt Road Repair Program, Contract 25-A and award a contract in the amount of \$4,275,775.15 to the Nagle Paving Company, 36780 Amrhein, Livonia, Michigan 48150. The award should be on the basis of the bid unit prices from 2024, Contract 24-A with the exception of the revised unit prices for Item 7a – Pavement Removal, Item 37 – 5-6 inch Concrete Pavement Repair, Item 38a – Driveway, Non-reinforced concrete 8 inch and Item 43a – Sidewalk, Concrete 4 inch and the mutually agreed upon inspector days consisting on 150 days.
- Authorize an expenditure in the amount of \$4,275,775.15 for the 2025 Asphalt Road Repair Program from the following accounts:

Account Number 204-463-818-112 (Rehabilitation) \$4,275,775.15

- Authorize the City Engineer to approve minor adjustments in the work, as required.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

In order to proceed with this project, we recommend that the Council take the following actions:

- Waive the formal bidding process under Section 3.04.140.E.3 of the Livonia Code of Ordinances, as amended, since no advantage to the City would result from competitive bidding.
- Extend the Contract 23-A unit prices for the 2025 Asphalt Road Repair Program, Contract 25-A and award a contract in the amount of \$4,275,775.15 to the Nagle Paving Company, 36780 Amrhein, Livonia, Michigan 48150. The award should be on the basis of the bid unit prices from 2024, Contract 24-A with the exception of the revised unit prices for Item 7a – Pavement Removal, Item 37 – 5-6 inch Concrete Pavement Repair, Item 38a – Driveway, Non-reinforced concrete 8 inch and Item 43a – Sidewalk, Concrete 4 inch and the mutually agreed upon inspector days consisting on 150 days.
- Authorize an expenditure in the amount of \$4,275,775.15 for the 2025 Asphalt Road Repair Program from the following accounts:

Account Number 204-463-818-112 (Rehabilitation) \$4,275,775.15

- Authorize the City Engineer to approve minor adjustments in the work, as required.

SPECIFIC NAME OF PRODUCT AND NUMBER TO BE PURCHASED (if more than one)

n/a

CONTRACT: Amount and/or purchase price and length of contract (with dates if applicable)

\$4,275,775.15

DETAILED WORK BEING PERFORMED

2025 Asphalt Road Repair Program

FISCAL CONSIDERATIONS (Amount requested and Account(s) used. If applicable, Grant Funding information)

\$4,275,775.15 from Account No. 204-463-818-112 (Rehabilitation)

ACCEPTANCE OF BID (Please detail the following: Why accepted, why not lowest bidder, company name, contact person, full address)

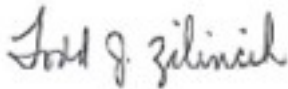
n/a

REASON TO WAIVE BID PROCESS (Emergency, Professional services, No advantage to City and why, Consortium package, etc): Waive the formal bidding process under Section 3.04.140.E.3 of the Livonia Code of Ordinances, as amended, since no advantage to the City would result from competitive bidding.

ATTACHMENTS

1. Contractor Recommendation Letter
2. Livonia 2025 Streets Contract 1-31-25
3. 1_Final Assembled Contract Book 24A 3.14.24

APPROVED BY



Todd Zilincik, P.E., City Engineer

Date: January 31, 2025



Don Rohraff, Director of Public Works

Date: January 31, 2025



Debra Peck Lichtenberg, CPA, Finance Director

Date: February 03, 2025



Carter Fisher, City Attorney

Date: February 05, 2025



Maureen Miller Brosnan, Mayor

Date: February 05, 2025



January 31, 2025

Mr. Todd J. Zilincik, P.E., City Engineer
Engineering Division
City of Livonia
12973 Farmington Road
Livonia, MI 48150

Re: 2025 Asphalt Paving Program – Contract 25-A
Contractor Recommendation

Dear Mr. Zilincik:

Nagle Paving's contract with the City of Livonia was extended for 2025 Asphalt Paving Program – Contract 25-A. The bid was within 1% of OHM's engineers estimate. Nagle's bid was \$4,275,775.15 and is within the City's budget after modifications. We have checked the results and have verified Nagle's bid is accurate. The type of "fixes" for this year's program are all Rehabilitation - \$4,275,775.15.

Based on our past experience working with Nagle Paving Company over many years, they are qualified to perform the work in this year's program. Nagle has worked on the City's 2014-2024 Asphalt Paving Programs. Their history of being involved in many of the City's paving programs, providing a quality product, and their good working relationship with both the City and OHM continues to make them a good partner for this year's Program.

If you wish to discuss this recommendation, please call me at 734-466-4441.

Sincerely,
OHM ADVISORS

A handwritten signature in black ink, appearing to read "Mark Loch".

Mark Loch, P.E.
Project Manager

Enclosure: Bid Tabulation
cc. Don Rohraff, DPW Director, City of Livonia

2025 ASPHALT PAVING PROGRAM, Contract 25-A
January 2025

ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
Part 1A - ROAD ITEMS					
1	Mobilization, Max \$200,000	1	LSUM	\$200,000.00	\$200,000.00
2	Tree, Rem, 19 inch to 36 inch	0	Ea	\$0	\$ 0
2a	Tree, Rem, 37 or Larger	0	Ea	\$0	\$ 0
2b	Tree, Rem, 6 inch to 18 inch	0	Ea	\$0	\$ 0
3	_Tree_Root_Grind	12	Ea	\$100.00	\$ 1,200.00
4	Culv, Rem, Less than 24 inch	16	Ea	\$500.00	\$ 8,000.00
5	Curb and Gutter, Rem	2,970	Ft	\$19.00	\$ 56,430.00
6	Sidewalk, Rem	470	Syd	\$19.00	\$ 8,930.00
7	_Pavt, Rem, Modified	3,174	Syd	\$23.75	\$ 75,382.50
7a	Pavt, Rem	956	Syd	\$ 23.75	\$ 22,705.00
8	Ditch Cleanout	5	Sta	\$800.00	\$ 4,000.00
8a	Ditching	5	Sta	\$4,400.00	\$ 22,000.00
9	_Station Grading 1	0	Sta	\$0	\$ 0
10	_Station Grading 2	200.44	Sta	\$1,700.00	\$ 340,748.00
10a	_Overburden Removal	0	Syd	\$0	\$ 0
11	_Subgrade Undercutting, Type II, Modified	300	Cyd	\$20.00	\$ 6,000.00
12	_Subgrade Undercutting, Type II, Special	200	Cyd	\$25.00	\$ 5,000.00
13	_Driveway Swale Excavation	5	Ea	\$300.00	\$ 1,500.00
14	Erosion Control, Inlet Protection, Fabric Drop	118	Ea	\$100.00	\$ 11,800.00
15	Erosion Control, Silt Fence	200	Ft	\$2.00	\$ 400.00
16	_Aggregate Base, 6 inch, Modified	93	Syd	\$13.50	\$ 1,255.50
17	_Aggregate Base, 8 inch, Modified	0	Syd	\$0	\$ 0
18	_Aggregate Base, Modified	4,668	Ton	\$39.50	\$ 184,386.00
19	Culv End Sect, Metal, 12 inch	16	Ea	\$575.00	\$ 9,200.00
20	Culv, CI A, CSP, 12 inch	297	Ft	\$105.00	\$ 31,185.00
20a	Sewer, CI IV, 12 inch, Tr Det A	0	Ft	\$0	\$ 0
20b	Sewer, CI IV, 12 inch, Tr Det B	0	Ft	\$0	\$ 0
21	Dr Structure Cover, Adj, Case 1	111	Ea	\$750.00	\$ 83,250.00
21a	Dr Structure Cover, Type B	0	Ea	\$0	\$ 0
21b	Dr Structure, 48 inch dia	0	Ea	\$0	\$ 0
22	Dr Structure, Adj, Add Depth	20	Ft	\$200.00	\$ 4,000.00
23	_Sanitary Structure Cover, Adj, Case 1	18	Ea	\$875.00	\$ 15,750.00
24	_Underdrain, Subgrade, 6 inch, Modified	500	Ft	\$33.00	\$ 16,500.00
25	Cold Milling HMA Surface	27,259	Syd	\$3.95	\$107,673.05
26	HMA Surface, Rem	49,678	Syd	\$4.70	\$233,486.60
26a	Pavt or Butt Joints, Rem	0	Syd	\$00	\$ 0
27	HMA, 36A	368	Ton	\$205.00	\$ 75,440.00
28	HMA, 4EML	0	Ton	\$0	\$ 0
29	HMA, 5EML	0	Ton	\$0	\$ 0
30	Pavt Joint and Crack Repair, Det. 7, Modified	0	Ft	\$0	\$ 0
31	Cold Milling Conc Pavt	0	Syd	\$0	\$ 0
32	_Hand Patching, Modified	881	Ton	\$145.00	\$127,745.00

2025 ASPHALT PAVING PROGRAM, Contract 25-A
January 2025

ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
PART 1A - ROAD ITEMS (Continued)					
33	_Hand Patching, Special	50	Ton	\$255.00	\$ 12,750.00
34	_HMA, 13A (Leveling)	8,310	Ton	\$123.00	\$1,022,130.00
35	_HMA, 13A (Top)	8,338	Ton	\$134.00	\$1,117,292.00
36	Lane Tie, Epoxy Anchored	0	Ea	\$0	\$ 0
36a	Joint Contraction, Cp	0	Ea	\$0	\$ 0
	_Pavt Repr, with or without curb, Nonreinf Conc,				
37	5-6 inches	225	Syd	\$90.00	\$ 20,250.00
38	Driveway, Nonreinf Conc, 6 inch	519	Syd	\$84.50	\$ 43,855.50
38a	Driveway, Nonreinf Conc, 8 inch	30	Syd	\$95.00	\$ 2,850.00
39	Driveway Opening, Conc, Det M	407	Ft	\$50.00	\$ 20,350.00
40	_Curb and Gutter, 18 inch	0	Ft	\$0	\$ 0
41	_Curb and Gutter, 24 inch	2,920	Ft	\$47.00	\$ 137,240.00
42	_Curb and Gutter, 30 inch	50	Ft	\$50.00	\$ 2,500.00
43	Detectable Warning Surface	245	Ft	\$77.00	\$ 18,865.00
43a	Sidewalk, Conc, 4 inch	1,963	Sft	\$10.00	\$ 19,630.00
44	Curb Ramp Opening, Conc	1,994	Ft	\$50.00	\$ 99,700.00
46	Curb Ramp, Conc, 6 inch	0	Sft	\$0	\$ 0
47	Post, Mailbox	23	Ea	\$160.00	\$ 3,680.00
48	_Relocate Mailbox	393	Ea	\$150.00	\$ 58,950.00
48a	_Post, Steel, 3 Pound	0	Ft	\$0	\$ 0
48b	_Sign, Type III, Erect, Salv	0	Ea	\$0	\$ 0
49	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	0	Ft	\$0	\$ 0
50	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	0	Ft	\$0	\$ 0
51	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	0	Ea	\$0	\$ 0
51a	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	0	Ea	\$0	\$ 0
51b	Pavt Mrkg, Ovly Cold Plastic, Railroad Sym	0	Ea	\$0	\$ 0
51c	Pavt Mrkg, Ovly Cold Plastic, School	0	Ea	\$0	\$ 0
51d	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	0	Ft	\$0	\$ 0
51e	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	0	Ft	\$0	\$ 0
51f	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	0	Ft	\$0	\$ 0
52	Pavt Mrkg, Wet Reflective Sprayable Thermopl, 4 inch, White	0	Ft	\$0	\$ 0
53	Pavt Mrkg, Wet Reflective Sprayable Thermopl, 4 inch, Yellow	0	Ft	\$0	\$ 0
54	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	0	Ea	\$0	\$ 0
55	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	0	Ea	\$0	\$ 0
56	Lighted Arrow, Type C, Furn	0	Ea	\$0	\$ 0
57	Lighted Arrow, Type C, Oper	0	Ea	\$0	\$ 0
58	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	0	Ft	\$0	\$ 0

**2025 ASPHALT PAVING PROGRAM,
Contract 25-A
January 2025**

ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
Part 1A - ROAD ITEMS (Continued)					
59	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	0	Ft	\$0	\$ 0
60	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	0	Ft	\$0	\$ 0
61	Plastic Drum, Fluorescent, Furn	0	Ea	\$0	\$ 0
62	Plastic Drum, Fluorescent, Oper	0	Ea	\$0	\$ 0
63	Sign, Type B, Temp, Prismatic, Furn	0	Sft	\$0	\$ 0
64	Sign, Type B, Temp, Prismatic, Oper	0	Sft	\$0	\$ 0
65	Sign, Type B, Temp, Prismatic, Spec, Furn	0	Sft	\$0	\$ 0
66	Sign, Type B, Temp, Prismatic, Spec, Oper	0	Sft	\$0	\$ 0
67	_Traffic Control, Residential Street	13.25	Ea	\$2,500.00	\$ 33,125.00
68	_Surface Restoration, Seeding	13,355	Syd	\$7.00	\$ 93,485.00
69	Monument Box Adj	0	Ea	\$0	\$ 0
70	Monument Preservation	0	Ea	\$0	\$ 0
71	Protect Corners	0	Ea	\$0	\$ 0
72	_Reimbursed Permit Fees	5,000	Dlr	\$1.00	\$ 5,000.00
73	_Adjust Sprinkler Head	110	Ea	\$85.00	\$ 9,350.00
74	_Gate Well Cover	0	Ea	\$0	\$ 0
75	_Gate Well Cover, Adj, Case 1	4	Ea	\$825.00	\$ 3,300.00
76	_Sprinkler Head	180	Ea	\$85.00	\$ 15,300.00
77	_Relocate Landscaping	5,000	Dlr	\$1.00	\$ 5,000.00
78	_Irrigation Piping	770	Ft	\$5.00	\$ 3,850.00
79	_Misc Preparing Pavement	91.24	Sta	\$1,900.00	\$173,356.00
Total Bid Amount (Items 1-79)					\$4,575,775.15
Part 1b - INSPECTOR DAYS					
80	Inspector Days (150 Days Min.)	150	Days	\$680/day	\$102,000
Total (Items 1-80)					\$ 4,677,775.15

Revised Contract Amount

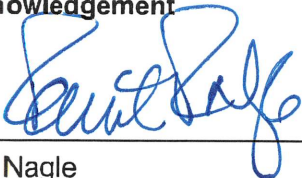
\$4,275,775.15*

*Note: Agree to \$4,275,775.15 as contract amount for 25-A.

\$4,377,775.15*

Reduce paving Myrna to only include from Hubbard to Ingram instead of Hubbard to Merriman.

Acknowledgement



Rob Nagle
Vice President

Date: 1-31-25

**CONTRACT DOCUMENTS
AND SPECIFICATIONS
FOR
2024 Asphalt Paving Program:
CONTRACT 24-A**

February 2024

Prepared for the
CITY OF LIVONIA
Department of Public Service
Engineering Division
33000 Civic Center Drive
Livonia, MI 48154

By

OHM ADVISORS
34000 Plymouth Road
Livonia, MI 48150
Phone: (734) 522-6711

2024 ASPHALT PAVING PROGRAM

CONTRACT 24-A

CITY OF LIVONIA, MICHIGAN

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2024 ASPHALT PAVING PROGRAM

CITY OF LIVONIA, MICHIGAN CONTRACT 24-A

PROPOSAL

City of Livonia
33000 Civic Center Drive
Livonia, Michigan 48154

The undersigned, by submission of this proposal, represents that he/she is familiar with and has determined for himself/herself the nature and extent of the proposed work and the conditions under which it must be performed and completed, and agrees that he/she will contract with the City of Livonia to furnish at and for the following monies, all materials, labor, equipment, insurance, supervision, and all other things necessary or incidental to complete the entire work in accordance with the appended plans, specifications, general conditions and related contract documents. By submission of this bid, the undersigned represents that he/she is familiar with and understands all of the above referenced contract documents.

The undersigned agrees that if the proposal made herein is accepted, he/she will satisfactorily perform and complete all of the work and meet all of the requirements and obligations imposed upon him/her by the contract including the plans, specifications, and general conditions between **April 29, 2024** and **October 25, 2024**.

Also, the undersigned agrees that if the above proposal is accepted, he/she will execute the contract and furnish acceptable bonds, all on forms attached, within ten (10) calendar days from such acceptance.

To guarantee his/her fulfillment of the foregoing covenants, the bidder submits hereto his/her bid bond in the sum of 5% of the Proposal and agrees that same shall be forfeited to the City of Livonia, in the event of his/her failure to execute the contract or furnish acceptable bonds, not as a penalty but as actual liquidated damages. The bidder further agrees to pay as liquidated damages the sum of \$1,000.00 for each consecutive calendar day after the required completion date as hereinafter called for in this Proposal and provided in Paragraph 39 of the General Conditions. The City shall not be required to prove or show such liquidated damages.

TIME OF COMPLETION

The road improvements shall be opened to traffic no later than **October 11, 2024**.

All improvements to streets impacting schools shall be completed between **June 10, 2024** and **August 23, 2024**. These streets are outlined in the Progress Clause.

Final completion shall be no later than **October 25, 2024**.

It is hereby understood and mutually agreed, by and between the Contractor and Owner, that the time of completion as specified is an essential condition of this contract.

The Contractor agrees that said work shall be prosecuted regularly, diligently and uninterruptedly at such rate of progress as will insure full completion thereof within the time specified. It is expressly understood and agreed, by and between the Contractor and Owner, that the time for completion of the work described herein are reasonable times for the completion of same, taking into consideration the average climate range and usual industrial conditions prevailing in this locality.

If the said Contractor fails to perform the work within the times herein specified, or any proper extension thereof granted by the Owner, then the Contractor does hereby agree, as a part consideration for the awarding of this contract, to pay to the Owner the sums as specified below, not as a penalty but as liquidated damages for such breach of contract as hereinafter set forth, for each and every calendar day that the Contractor shall be in default each of the times stipulated in the contract for completing the work.

~~The amount of liquidated damages for this project shall be as follows:~~

~~1A: \$1,000.00 per day for each calendar day that final completion and acceptance (excluding punch list items) of the street is not completed and accepted by the Owner 45 calendar days after an HMA **Reconstruct** street has started. NIC~~

~~1B: \$750.00 per day for each calendar day that final completion and acceptance (excluding punch list items) of the street is not completed and accepted by the Owner 30 calendar days after a HMA **Rehabilitation** street has started. NIC~~

~~1C: \$750.00 per day for each calendar day that final completion and acceptance (excluding punch list items) of the street is not completed and accepted by the Owner 21 calendar days after a HMA **Maintenance** street has started. NIC~~

~~2: \$500.00 per day per street for each calendar day that the surface restoration is not complete after fourteen (14) days of placing pavement material. NIC~~

~~3: \$250.00 per day per street for each calendar day the maintenance of traffic items and channelizing devices are not removed from the construction area after seven (7) days of placing surface restoration material. NIC~~

~~\$1,000.00 per day per street for each calendar day that final completion of the entire project including surface restoration is not completed and accepted by the Owner after **October 25, 2024**. Note: will not be applied if 1A, 1B, 1C, 2, or 3 damages are incurred. NIC~~

~~\$1,500.00 per day per street for each calendar day that final completion of the roadways affecting schools including restoration is not completed and accepted by the Owner after August 23, 2024. NIC~~

~~In the event that multiple cases of liquidated damages are to be assessed, the amounts shall be combined and assessed. This also includes multiple cases of liquidated damages on the same street. There is no maximum on the amount of liquidated damages that can be assessed. NIC~~

~~If the said Contractor performs the work prior to the time herein specified, or any proper extension thereof granted by the Owner, the Owner does hereby agree, as part of consideration for the awarding of this contract, to pay the Contractor any remaining inspector days, as an incentive for having the work completed and accepted by the Owner prior to the completion date set forth in this contract. NIC~~

~~It is agreed that time is of the essence of each and every portion of this contract and of the specifications wherein a definite and certain length of time is fixed for the performance of any act whatsoever; and where under the contract and additional time is allowed for the completion of any work, the new time limit fixed by such extension shall be of the essence of this contract. NIC~~

It is further agreed that should there be an increase or reduction of the amount of work specified within the contract that would increase or reduce the number of calendar days required to complete the project, a revision shall be made to reflect this change in the scope of work, and shall be agreed upon between the Owner's Representative and the Contractor.

Calendar Day is defined as every day shown on the calendar beginning and ending at midnight. Unless otherwise designated, the word "day" shall mean calendar day.

WAIVER

The Bidder does hereby represent and warrant that the price bid in this proposal is a complete and correct statement of the price bid for the work included in said proposal is complete, correct and submitted as intended by him and does hereby waive any right or claim he may now or hereafter have by reason of errors, mistakes or omissions made by him in said proposal.

BID NON-COLLUSIVE

The Bidder does hereby represent and warrant that this proposal is genuine and not collusive or sham, and that he has not in any manner, directly or indirectly agreed or colluded with any other person, firm or association to submit a sham bid or to refrain from bidding or in any way fix this proposal or that of the other bidder, or to secure any advantage against the Owner.

The Bidder does hereby represent and warrant that no officer or employee of the Owner is directly or indirectly interested in this proposal or in any contract which may be made under it, or any expected profits to arise there from.

NOTE: Bidder hereby acknowledges that the unit prices quoted represent all labor, and materials necessary to perform and complete the work in accordance with the current standards of the City of Livonia Engineering Department, MDOT 2020 Standard Specifications for Construction and the requirements of applicable regulatory agencies and accordance with the intent, extent and scope of work so described in the Contract Documents. All related items of work necessary to complete the project which are not detailed above, shall be incidental to the construction of the project.

NOTICE TO BIDDERS: Bidders must submit unit prices for all items in the Proposal to be considered a successful responsible bidder.

ATTACHMENTS: The following documents are attached to and made a condition of this bid:

- a. Bid Security in the form of Bid Bond in the sum of five (5%) percent of amount bid.
- b. A listing of Subcontractors and other persons and organizations required to be identified in the Bid.
- c. Statement of Qualifications.

BULLETINS: Bidder acknowledges receipt of the following bulletins:

No. _____	Date: _____
No. _____	Date: _____
No. _____	Date: _____

The Bidder hereby declares that he has inspected the site of the work and further declares that no charges in addition to the unit prices shall be made on account of it.

The undersigned agrees, if awarded the contract, to deliver the executed contract and bonds and furnish evidence of insurance within ten (10) days after date of award. In addition, the undersigned shall begin work within ten (10) days after receipt of written notice to proceed, unless otherwise directed by the Engineer, and complete the proposed work as outlined in the Special Conditions.

If this Proposal is accepted by the City of Livonia, and the undersigned shall fail to contract as aforesaid and to furnish the required surety bonds within fifteen (15) days of being notified of the acceptance of his/her bid, then the undersigned shall be considered due and payable to the Owner.

If the undersigned enters into the contract in accordance with the Proposal or if his/her Proposal is rejected, then the accompanying bid guarantee shall be voided.

In submitting this bid, it is understood that the right is reserved by the Owner to reject any or all bids, reject any bids that may include unbalanced items, to waive irregularities and/or formalities and, in general, to make award in any manner deemed by it, in its sole discretion, to be in the best interest of the Owner.

SIGNED AND SEALED THIS _____ DAY OF _____, 2024.

MAILING ADDRESS:

_____	_____
	Firm Name
_____	_____
	Representative
_____	_____
Authorized Signature	Phone Number
_____	_____
Title	Fax Number

2024 ASPHALT PAVING PROGRAM, Contract 24-A
February 2024

ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
ROAD ITEMS					
1	Mobilization, Max	1	LSUM	\$200,000.00	\$200,000.00
2	Tree, Rem, 19 inch to 36 inch	5	Ea	\$3,850.00	\$ 19,250.00
2a	Tree, Rem, 37 or Larger	5	Ea	\$5,500.00	\$ 27,500.00
2b	Tree, Rem, 6 inch to 18 inch	4	Ea	\$2,970.00	\$ 11,880.00
3	_Tree_Root_Grind	5	Ea	\$100.00	\$ 500.00
4	Culv, Rem, Less than 24 inch	25	Ea	\$500.00	\$ 12,500.00
5	Curb and Gutter, Rem	4,115	Ft	\$18.00	\$ 74,070.00
6	Sidewalk, Rem	26	Syd	\$18.00	\$ 468.00
7	_Pavt, Rem, Modified	2,969	Syd	\$22.50	\$ 66,802.50
8	Ditch Cleanout	5	Sta	\$800.00	\$ 4,000.00
8a	Ditching	16.85	Sta	\$4,400.00	\$ 74,140.00
9	_Station Grading 1	36.70	Sta	\$2,400.00	\$ 88,080.00
10	_Station Grading 2	52.69	Sta	\$1,600.00	\$ 84,304.00
10a	_Overburden Removal	2,568	Syd	\$13.50	\$ 34,668.00
11	_Subgrade Undercutting, Type II, Modified	300	Cyd	\$20.00	\$ 6,000.00
12	_Subgrade Undercutting, Type II, Special	300	Cyd	\$25.00	\$ 7,500.00
13	_Driveway Swale Excavation	10	Ea	\$300.00	\$ 3,000.00
14	Erosion Control, Inlet Protection, Fabric Drop	28	Ea	\$100.00	\$ 2,800.00
15	Erosion Control, Silt Fence	224	Ft	\$2.00	\$ 448.00
16	_Aggregate Base, 6 inch, Modified	3,495	Syd	\$12.40	\$ 43,338.00
17	_Aggregate Base, 8 inch, Modified	6,782	Syd	\$15.00	\$101,730.00
18	_Aggregate Base, Modified	1,039	Ton	\$37.50	\$ 38,962.50
19	Culv End Sect, Metal, 12 inch	23	Ea	\$575.00	\$ 13,225.00
20	Culv, Cl A, CSP, 12 inch	553	Ft	\$105.00	\$ 58,065.00
20a	Sewer, Cl IV, 12 inch, Tr Det A	184	Ft	\$137.50	\$ 25,300.00
20b	Sewer, Cl IV, 12 inch, Tr Det B	40	Ft	\$143.00	\$ 5,720.00
21	Dr Structure Cover, Adj, Case 1	31	Ea	\$750.00	\$ 23,250.00
21a	Dr Structure Cover, Type B	5	Ea	\$1,200.00	\$ 6,000.00
21b	Dr Structure, 48 inch dia	5	Ea	\$4,950.00	\$ 24,750.00
22	Dr Structure, Adj, Add Depth	20	Ft	\$200.00	\$ 4,000.00
23	_Sanitary Structure Cover, Adj, Case 1	8	Ea	\$875.00	\$ 7,000.00
24	_Underdrain, Subgrade, 6 inch, Modified	3,832	Ft	\$31.50	\$120,708.00
25	Cold Milling HMA Surface	29,590	Syd	\$3.75	\$110,962.50
26	HMA Surface, Rem	20,612	Syd	\$4.50	\$ 92,754.00
26a	Pavt or Butt Joints, Rem	677	Syd	\$7.50	\$ 5,077.50
27	HMA, 36A	607	Ton	\$205.00	\$124,435.00
28	HMA, 4EML	4,200	Ton	\$130.00	\$546,000.00
29	HMA, 5EML	2,502	Ton	\$140.00	\$350,280.00
30	Pavt Joint and Crack Repair, Det. 7, Modified	2,000	Ft	\$20.00	\$ 40,000.00
31	Cold Milling Conc Pavt	100	Syd	\$12.00	\$ 1,200.00
32	_Hand Patching, Modified	631	Ton	\$145.00	\$ 91,495.00
33	_Hand Patching, Special	50	Ton	\$255.00	\$ 12,750.00

2023 ASPHALT PAVING PROGRAM, Contract 24-A
February 2024

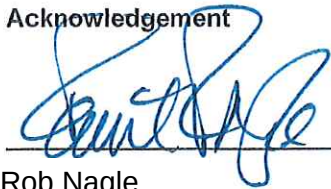
ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
ROAD ITEMS (Continued)					
34	_HMA, 13A (Leveling)	2,643	Ton	\$123.00	\$ 325,089.00
35	_HMA, 13A (Top)	2,518	Ton	\$134.00	\$ 337,412.00
36	Lane Tie, Epoxy Anchored	1,500	Ea	\$15.00	\$ 22,500.00
36a	Joint Contraction, Cp	120	Ft	\$55.00	\$ 6,600.00
	_Pavt Repr, with or without curb, Nonreinf Conc,				
37	7-9 inches	822	Syd	\$127.00	\$ 104,394.00
38	Driveway, Nonreinf Conc, 6 inch	397	Syd	\$79.50	\$ 31,561.50
39	Driveway Opening, Conc, Det M	407	Ft	\$47.50	\$ 19,332.50
40	_Curb and Gutter, 18 inch	400	Ft	\$42.50	\$ 17,000.00
41	_Curb and Gutter, 24 inch	240	Ft	\$44.50	\$ 10,680.00
42	_Curb and Gutter, 30 inch	3,068	Ft	\$47.50	\$ 145,730.00
43	Detectable Warning Surface	20	Ft	\$70.00	\$ 1,400.00
44	Curb Ramp Opening, Conc	30	Ft	\$47.50	\$ 1,425.00
46	Curb Ramp, Conc, 6 inch	234	Sft	\$16.00	\$ 3,744.00
47	Post, Mailbox	25	Ea	\$160.00	\$ 4,000.00
48	_Relocate Mailbox	47	Ea	\$150.00	\$ 7,050.00
48a	_Post, Steel, 3 Pound	14	Ft	\$50.00	\$ 700.00
48b	_Sign, Type III, Erect, Salv	2	Ea	\$385.00	\$ 770.00
49	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	71	Ft	\$7.00	\$ 497.00
50	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	223	Ft	\$15.00	\$ 3,345.00
51	Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	6	Ea	\$225.00	\$ 1,350.00
51a	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	1	Ea	\$225.00	\$ 225.00
51b	Pavt Mrkg, Ovly Cold Plastic, Railroad Sym	2	Ea	\$485.00	\$ 970.00
51c	Pavt Mrkg, Ovly Cold Plastic, School	1	Ea	\$390.00	\$ 390.00
51d	Pavt Mrkg, Sprayable Thermopl, 4 inch, White	5,325	Ft	\$1.00	\$ 5,325.00
51e	Pavt Mrkg, Sprayable Thermopl, 4 inch, Yellow	9,669	Ft	\$1.00	\$ 9,669.00
51f	Pavt Mrkg, Sprayable Thermopl, 6 inch, White	100	Ft	\$1.50	\$ 150.00
52	Pavt Mrkg, Wet Reflective Sprayable Thermopl, 4 inch, White	175	Ft	\$1.00	\$ 175.00
53	Pavt Mrkg, Wet Reflective Sprayable Thermopl, 4 inch, Yellow	4,129	Ft	\$1.00	\$ 4,129.00
54	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	22	Ea	\$140.00	\$ 3,080.00
55	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	22	Ea	\$10.00	\$ 220.00
56	Lighted Arrow, Type C, Furn	4	Ea	\$900.00	\$ 3,600.00
57	Lighted Arrow, Type C, Oper	4	Ea	\$100.00	\$ 400.00
58	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	10,650	Ft	\$1.00	\$ 10,650.00
59	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	6,750	Ft	\$2.50	\$ 16,875.00
60	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	7,100	Ft	\$2.50	\$ 17,750.00

**2024 ASPHALT PAVING PROGRAM,
Contract 24-A
February 2024**

ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
ROAD ITEMS (Continued)					
61	Plastic Drum, Fluorescent, Furn	315	Ea	\$30.00	\$ 9,450.00
62	Plastic Drum, Fluorescent, Oper	315	Ea	\$1.00	\$ 315.00
63	Sign, Type B, Temp, Prismatic, Furn	946	Sft	\$3.50	\$ 3,311.00
64	Sign, Type B, Temp, Prismatic, Oper	946	Sft	\$1.00	\$ 946.00
65	Sign, Type B, Temp, Prismatic, Spec, Furn	275	Sft	\$8.00	\$ 2,200.00
66	Sign, Type B, Temp, Prismatic, Spec, Oper	275	Sft	\$2.00	\$ 550.00
67	_Traffic Control, Residential Street	7.5	Ea	\$2,500.00	\$ 18,750.00
68	_Surface Restoration, Seeding	12,509	Syd	\$6.50	\$ 81,308.50
69	Monument Box Adj	1	Ea	\$500.00	\$ 500.00
70	Monument Preservation	4	Ea	\$500.00	\$ 2,000.00
71	Protect Corners	20	Ea	\$200.00	\$ 4,000.00
72	_Reimbursed Permit Fees	5,000	Dlr	\$1.00	\$ 5,000.00
73	_Adjust Sprinkler head	78	Ea	\$85.00	\$ 6,630.00
74	_Gate Well Cover	1	Ea	\$750.00	\$ 750.00
75	_Gate Well Cover, Adj, Case 1	2	Ea	\$825.00	\$ 1,650.00
76	_Sprinkler Head	78	Ea	\$85.00	\$ 6,630.00
77	_Relocate Landscaping	5,000	Dlr	\$1.00	\$ 5,000.00
78	_Irrigation Piping	3,136	Ft	\$5.00	\$ 15,680.00
79	_Misc Preparing Pavement	56.76	Sta	\$1,800.00	\$102,168.00
80	2024 Drainage Improvements	284,000.20	Dlr	\$1.00	\$284,000.20

Bid Amount Total (Items 1-80) \$ 4,233,939.70

Acknowledgement



Rob Nagle
Vice President

Date: 3-11-24

CITY OF LIVONIA

NOTICE TO BIDDERS

TRACKING OF TACK COAT DURING HMA PAVING

OHM:mrl

1 of 1

1/11/23

The City of Livonia has experienced problems with excessive tracking of tack coat or bituminous material onto City/County streets from adjacent road paving projects. This experience, along with City Council Resolution 281-07, has resulted in the requirement that the asphalt paving contractor attend a pre-paving meeting where ways to minimize this issue will be discussed. Potential paving sequences and haul routes will also be discussed.

Once paving begins, if it is determined, by the City Engineer and/or Inspector, that excessive tracking is occurring, the Engineer will stop the paving operation until a suitable solution is identified and implemented to rectify this situation. **Special consideration and notice will be taken for existing pavement markings outside of the limits of construction.** ~~A fine of \$1,000 shall be issued by the City if it is determined the tack coat tracking is excessive the first day of the violation. If the tack coat tracking issue continues due to inadequate or insufficient corrective measures, as determined by the Engineer, the Contractor will be issued a fine of \$2,000/day for each day the Contractor continues paving after the initial fine.~~ **NIC**

It is understood the tracking of tack coat is a by-product of asphalt paving. The Notice to Bidders has been established to prevent items such as the dropping of material from the rear of flo-boys or no planning of the pavement operations. Penalties will be administered if no effort to control these issues is taken.

CITY OF LIVONIA
NOTICE TO BIDDERS

MINIMUM REASONABLE PRICES

OHM: MRL

1 of 1

1/10/23

The City of Livonia has experienced problems recently with potential unbalancing of bids on several items. All bid items will be reviewed and compared to “reasonable costs” for those items of work. The following items of work shall have a minimum bidding price applied as noted below:

Item of Work	Minimum Bid Price
Subgrade Undercutting, Type II, Modified	\$15.00 / cyd
Subgrade Undercutting, Type II, Special	\$15.00 / cyd
Hand Patching, Modified	\$75.00 / ton
Surface Restoration, Seeding	\$4.00 / syd
Aggregate Base, 6”, Modified	\$7.00 / syd
Inspector Day (150 minimum)	\$680.00/day

NOTICE TO BIDDERS
FOR
STRUCTURE COVERS

OHM: JWB

1 OF 1

1/18/23

The Contractor shall salvage any structure covers replaced by the project or as directed by the Engineer. The Contractor shall transport salvaged covers and deliver to the City of Livonia's Department of Public Services on Glendale east of Farmington Road by the police gun range. The costs associated with this work will not be paid for separately and shall be included in other items of work.

The Contractor shall contact Mr. Ed Hoffman at (734) 466-2627 to arrange for delivery of the structure covers to the City of Livonia between the hours of 7:00 am and 3:00 pm.

NOTICE TO BIDDERS
FOR
HAND PATCHING, SPECIAL

OHM: JWB

1 OF 1

1/12/15

This pay item is for additional asphalt pavement areas that may need repair as directed by the Engineer. The areas of repair are within the limits of the City of Livonia, but not within the limits of construction on the typicals shown within the contract documents. The areas will be smaller sized patches from maintenance repairs performed by the City. Specific locations have not been determined, and the pay item may not be used. If the pay item is not used, no additional compensation will be given to the Contractor.

CERTIFICATE OF INSURANCE FOR CITY OF LIVONIA PROJECTS**ACORD FORM IS ACCEPTABLE (EXAMPLE FOR AMOUNTS OF COVERAGE ONLY)**

The subscribing insurance company certifies that insurance of the types and for limits of liability covering the work under contract with City of Livonia has been obtained by the contractor named below and that the City of Livonia (and, if this certificate is for a road project, the County of Wayne and the Michigan Department of Transportation) is an additional insured as to all General Liability/Commercial General Liability coverage.

Such insurance, here certified, is written in accordance with the company's regular policies and endorsements subject to the company's applicable manuals of rules and rates, except (1) the insurance shall not be subject to the usual "x" - explosion, "c" - collapse or "u" - underground property damage exclusions.

The insurer shall agree to provide the City of Livonia, in writing, the following:

1. A 30-day prior notice of any insurer-initiated cancellation or reduction in coverage for reasons other than nonpayment of the premium.
2. A 10-day prior notice of any cancellation or reduction in coverage for nonpayment of the premium.
3. Immediate notice of Contractor's cancellation or reduction of coverage.

The contractor shall cease operations if any insurance is canceled or reduced, and shall not resume operations until new insurance is in force.

NAME OF INSURED

ADDRESS	CITY	STATE	ZIP CODE
TELEPHONE NO.	FAX NO.		

ALL WORK PERFORMED FOR THE CITY OF LIVONIA AS A PRIME OR SUBCONTRACTOR

TYPE OF INSURANCE	POLICY NUMBER & NAME OF INSURANCE COMPANY (If more than one)	POLICY DATES		LIMITS: Each Occurrence: \$1,000,000 Aggregate: \$2,000,000 BODILY INJURY AND PROPERTY DAMAGE LIABILITY	
		EFFECTIVE	EXPIRATION		
☐ General Liability				General Aggregate	\$
☐ Professional Liability				Prods. comp/ops Aggregate	\$
☐ Commercial General Liability				Personal & Advertising Inj.	\$
☐ Claims Made ☐ Occurrence				Each Occurrence	\$
☐ \$_____ P.D. Deductible				Fire Damage (any one fire)	\$
☐ XCU Exclusion				Medical Exp. (any one person)	\$
☐ Owners/Contractors Protective					
AUTOMOTIVE LIABILITY					
☐ Any Auto				Combined Single Limit (Minimum \$2,000,000.00)	\$
☐ All Owned Autos				Bodily Injury (per person) (Minimum \$500,000.00)	\$
☐ Scheduled Autos				Bodily Injury (per accident) (Minimum \$1,000,000.00)	\$
☐ Hired Autos					\$
☐ Non-Owned Autos					\$
☐ Garage Liability					
☐ Umbrella				Each Occurrence	\$
				Aggregate	\$
☐ Excess Liability Other Than Umbrella				Each Occurrence	\$
				Aggregate	\$
WORKERS COMPENSATION AND EMPLOYERS LIABILITY				STATUTORY	
				\$	(Each Accident)
				\$	(Disease- Policy Limit)
				\$	(Disease- Each Empl.)
☐ Other					

NAME OF AGENCY	NAME OF INSURANCE COMPANY (If only one for all policies)		
ADDRESS	CITY	STATE	ZIP CODE
TELEPHONE NO.	FAX NO.		

PROOF OF LIABILITY INSURANCE REQUIREMENT
CITY OF LIVONIA PROJECTS

Insurance *Carrier* letterhead
(NOT agent or agency letterhead)

SAMPLE

Date

City of Livonia – Engineering Division
33000 Civic Center Drive
Livonia, MI 48154

Ref: **Name of Company (vendor)**
Carrier: **Name of Insurance Carrier**
Policy No: **number**
Policy Term: **START and END dates**

To Whom It May Concern:

Refer to attached certificate issued **(date)** and the following:

Notwithstanding the disclaimers on the referenced certificate, the coverages, coverage amounts, and expiration dates stated on the certificate are true and correct in all particulars, and the attached endorsement describes the notice the city of Livonia will receive prior to any change or cessation of coverage.

Sincerely,

Name
Title
Company

PROOF OF LIABILITY INSURANCE REQUIREMENT
CITY OF LIVONIA PROJECTS

THIS ENDORSEMENT CHANGES THE POLICY, PLEASE READ IT CAREFULLY

EARLIER NOTICE OF CANCELLATION PROVIDED BY US

Ref: **Name of Company (vendor)**
Carrier: **Name of Insurance Carrier**
Policy No: **number**
Policy Term: **START and END dates**

SAMPLE

Number of days' notice: **30**

For any statutorily permitted reason, the number of days required for notice of cancellation is increased to the number of days shown in the schedule above.

If this policy is cancelled by us we will send the named insured and any party listed in the following schedule, notice of cancellation based on the number of days' notice shown above.

SCHEDULE

Name of Person or Organization

The name of Person or Organization is any person or organization holding a certificate of insurance issued for you, provided the certificate:

1. Refers to this policy;
2. States that notice of:
 - a. Cancellation;
 - b. Nonrenewal, or
 - c. Material change reducing or restricting coverage;

Will be provided to that person or organization;

3. Is in effect at the time of the:
 - a. Cancellation
 - b. Nonrenewal; or
 - c. Material change reducing or restricting coverage; and
4. Is on file at your agent or broker's office for this policy.

Mailing Address

The mailing address is the address shown for that person or organization in that certificate of insurance.

SUBCONTRACTOR LISTING

Bidder agrees to use the following Subcontractors for the performance of the work of their respective trades unless otherwise approved in writing by the Owner prior to signing of the Contract. Bidder is aware of the Subcontract Provisions.

<u>ITEM</u>	<u>NAME, ADDRESS & PHONE NO. OF CONTRACTOR</u>	<u>APPROXIMATE DOLLAR VALUE OF SUBCONTRACT</u>
Underground Work	 Phone:	
HMA Paving	 Phone:	
Concrete Curb and Gutter	 Phone:	
Restoration Items	 Phone:	
Other (Specify) 	 Phone:	
Other (Specify) 	 Phone:	
Other (Specify) 	 Phone:	

LEGAL STATUS OF BIDDER

(The Bidder shall fill out the appropriate section and strike out the other two).

A Corporation duly organized and doing business under the laws of the State of

_____, for whom _____

whose signature is affixed to this Proposal, is duly authorized to execute contracts.

A Partnership, all members of which, with addresses, are:

An Individual, whose signature is affixed to this Proposal:

STATEMENT OF QUALIFICATIONS

Bidder must answer all questions. If more space is needed to complete a question, attach a separate sheet. Bidder may submit any additional information.

Name: _____

Address: _____ Phone: _____

Number of years operating under your present name: _____

Bonding Capacity: _____

Bonding Company: _____ Phone: _____

Pre-qualified by MDOT to bid on projects of this magnitude and type of work?

(circle one) YES NO Pre-qualification Number _____

General nature of work performed by your company _____

Background and experience of the principal members of your organization including officers.

Major equipment available for this contract _____

STATEMENT OF QUALIFICATIONS

PRIME CONTRACTOR

CURRENT PROJECTS:

	Project	Project	Project
Name:	_____	_____	_____
Owner:	_____	_____	_____
Contact Person:	_____	_____	_____
Phone:	_____	_____	_____
Contract Amount:	_____	_____	_____
Completion Date:	_____	_____	_____
% Complete:	_____	_____	_____

COMPLETED PROJECTS:

Name:	_____	_____	_____
Owner:	_____	_____	_____
Contact Person:	_____	_____	_____
Phone:	_____	_____	_____
Contract Amount:	_____	_____	_____
Date Completed:	_____	_____	_____

Additional information that may be pertinent to demonstrate your ability to complete this project.

Has your company defaulted on a contract?

If yes, where and why?

I hereby certify that the above answers are correct and true.

By: _____
Name

Signature

Title

number of additional sheets attached _____

STATEMENT OF QUALIFICATIONS

STORM SEWER/CULVERTS

SUBCONTRACTOR

CURRENT PROJECTS:

	Project	Project	Project
Name:			
Owner:			
Contact Person:			
Phone:			
Contract Amount:			
Completion Date:			
% Complete:			

COMPLETED PROJECTS:

Name:			
Owner:			
Contact Person:			
Phone:			
Contract Amount:			
Date Completed:			

Additional information that may be pertinent to demonstrate your ability to complete this project.

Has your company defaulted on a contract?

If yes, where and why?

I hereby certify that the above answers are correct and true.

By:

Name

Signature

Title

number of additional sheets attached

CONTRACT

ARTICLES OF AGREEMENT, made and entered into this _____ day of _____, 2024, by and between:

THE CITY OF LIVONIA

33000 CIVIC CENTER DRIVE, LIVONIA, MI 48154

party of the first part, hereinafter called the "Owner" and

Nagle Paving Co. of the

City of Livonia, County of Wayne,

and State of Michigan, party of the second part, hereinafter called the

"Contractor", to wit:

(1) That the Proposal, Advertisement, Instruction to Bidders, Description of Pay and Incidental Items, Bonds, General Conditions, Construction Specifications, Supplemental Specifications, Special Provisions, Plans and Drawings, and Addenda hereto attached or referred to identified as the **2024 Asphalt Paving Program: Contract 24-A**, shall be and are hereby made a part of this Agreement and Contract.

(2) That the party of the second part, under penalty of bond attached, shall furnish all labor, materials and appurtenances necessary, and do all the work as set forth in the Proposal and Addenda No. n/a according to the specifications, plans, and associated materials which have hereinbefore been made a part of this Contract in a manner, time and place, all and singular, as herein set forth.

IN CONSIDERATION WHEREOF, said party of the first part, for it and its successors, promises and agrees to pay to said party of the second part, an amount not to exceed the sum provided in the attached proposal including additions and deductions as provided therein, dated March 11, 2024, **(\$4,233,939.70), four million two hundred thirty-three thousand nine hundred thirty-nine dollars and seventy cents**, all in the time and manner provided in the Contract Documents.

For the faithful performance of all and singular of the stipulations, terms and conditions of this Agreement, said parties respectfully bind themselves, their successors, their heirs, executors, administrators and assigns.

CONTRACT

IN WITNESS WHEREOF, the parties have hereunto set their hands and seals, in duplicate, the day and year first above written.

WITNESS:

PARTY OF THE FIRST PART:

CITY OF LIVONIA

By _____
Maureen Miller Brosnan, Mayor

and _____
Lori Miller, Clerk

WITNESS:

PARTY OF THE SECOND PART:

By _____

and _____

During the course of this Contract, the Contractor's responsible may be reached at the following phone numbers:

Day-time office number: _____

Night-time emergency number: _____

APPROVED:

Director of Public Works
Engineering Division

City Engineer

APPROVED AS TO FORM:

Director of Finance

Department of Law

CONTRACTOR'S DECLARATION

I hereby declare that I have not, during the period _____
to _____ A.D., 2024

performed any work, furnished any material, sustained any loss, damage or delay for any reason,
including soil conditions encountered or created, or otherwise done anything for which I shall ask,
demand, sue for or claim compensation from _____

_____.

or its agents, in addition to the regular items set forth in the contract numbered _____,

and dated _____ A.D., 2024

executed between myself and the Owner, and in the Change Orders for work issued by the Owner in
writing as provided thereupon, except as I hereby make claim for additional compensation and/or
extension of time, as set forth on the itemized statement attached hereto.

There (is) (is not) an itemized statement attached.

Date: _____

By: _____

Title: _____

CONTRACTOR'S AFFIDAVIT

STATE OF MICHIGAN)
)SS.
COUNTY OF WAYNE)

The undersigned, _____ hereby represents that on _____ he (it) was awarded a contract by _____ hereinafter called the Owner, to _____ in accordance with the terms and conditions of Contract No. _____, and the undersigned further represents that the subject work has now been accomplished and the said contract has now been completed.

The undersigned hereby warrants and certifies that all of his (its) indebtedness arising by reason of said contract has been fully or satisfactorily secured, and that all claims from subcontractors and others for labor and material used in accomplishing the said project, as well as all other claims arising from performance of said contract, have been fully paid or satisfactorily secured. The undersigned further agrees that if any such claim should hereafter arise, he (it) shall assume responsibility for same immediately upon request to do so by the Owner.

The undersigned, for a valuable consideration, receipt of which is hereby acknowledged, does further hereby waive, release and relinquish any and all claims or right of lien which the undersigned now has or may hereafter acquire upon the subject premises for labor and material used in accomplishing said project owned by the Owner.

This affidavit is freely and voluntarily given with full knowledge of the facts on this _____ day of _____, 2024.

Contractor

By: _____

Title _____

Subscribed and sworn to before me, a Notary Public
in and for _____ County, Michigan, on
this _____ day of _____, 2024.

Notary Public: _____

My Commission expires: _____

NOTICE OF AWARD

To: _____

Project Description: **2024 ASPHALT PAVING PROGRAM: CONTRACT 24-A**

The Owner has considered the Bid submitted by you for the above described Work in response to its Advertisement for Bids, dated _____, 2024, Instructions to Bidders, and Supplementary Instructions to Bidders.

You are required by the Instructions to Bidders to execute the Agreement and furnish the required Contractor's Performance Bond, Payment Bond and Certificate of Insurance within ten (10) calendar days from the date of this Notice to you.

If you fail to execute said Agreement and to furnish said Bonds within ten (10) days from the date of this Notice, said Owner will be entitled to consider all your rights arising out of the Owner's acceptance of your Bid as abandoned and as for a forfeiture of your Bid Security. The Owner will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this Notice of Award to the Owner.

Dated this _____ day of _____, 2024.

Owner _____ City of Livonia _____

By _____

Title _____

ACCEPTANCE OF NOTICE

Receipt of the above Notice of Award is hereby acknowledged by _____

this the _____ day of _____, 2024

By _____

Title _____

NOTICE TO PROCEED

To: _____ Date: _____

**2024 ASPHALT PAVING PROGRAM
CONTRACT 24-A**

You are hereby notified to commence Work in accordance with the Agreement dated, _____, _____, 2024, on or before _____, _____, 2024, and you are to reach final completion as outlined hereinbefore no later than _____, _____, 2024 (open to traffic) and _____, _____, 2024 (final contract completion).

Owner CITY OF LIVONIA

By _____

Title _____

ACCEPTANCE OF NOTICE

Receipt of the above Notice to Proceed is hereby acknowledged by:

this the _____ Day
of _____, 2024.

By _____

PERFORMANCE BOND

Know all men by these presents, that we, Nagle Paving Co.

As Principal and _____

As Surety of Sureties, are held and firmly bound unto THE CITY OF LIVONIA, Wayne County, Michigan, in the sum of four million two hundred thirty-three thousand nine hundred thirty-nine dollars and seventy cents (\$4,233,939.70) for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

The Condition of the foregoing obligation is such that, whereas the said _____

_____ did on the _____

day of _____, 2024, by articles of the date, enter into a Contract with the said CITY OF LIVONIA for the construction of 2024 Livonia Asphalt Paving Program, Contract 24A.

Now Therefore, if the said _____

Shall well and faithfully do and perform all things agreed to be done and performed by said Contract, according to the terms thereof, then this obligation shall be void, but otherwise it shall remain in full force and effect.

Provided, that any alterations which may be made in the terms of the Contract or in the work to be done under it, or the granting by the said CITY OF LIVONIA of any extension of time for the performance of the Contract or any other forbearance on either the part of the said CITY OF LIVONIA or the Principal, to the other, shall not in any way release the executors, administrators, successors, or assigns, from their liability hereunder, notice to the Surety or Sureties of any such alteration, extension or forbearance being hereby waived.

Witness, our hands and seals, this _____ day of _____, 2024.

Signed, sealed and delivered in the presence of:

_____ By _____

_____ By _____

PB

LABOR AND MATERIALS BOND

Know all men by these presents, that we, Nagle Paving Co.

as Principal and _____

as Surety of Sureties, are held and firmly bound unto THE CITY OF LIVONIA, Wayne County, Michigan, in the sum of four million two hundred thirty-three thousand nine hundred thirty-nine dollars and seventy cents (\$4,233,939.70) for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

The Condition of the foregoing obligation is such that, whereas the said _____

_____ did on the _____

day of _____, 2024, by articles of the date, enter into a Contract with the said CITY OF LIVONIA for the construction of _____

_____ and payment for all labor and materials used therein.

Now therefore, if the said _____

shall pay for all labor and materials used in the fulfillment of the said Contract, and shall pay all subcontractors doing work thereon, and shall indemnify and save harmless the said CITY OF LIVONIA from and against all damages by reason of liens for labor or materials furnished therefore, then this obligation shall be void, but otherwise it shall remain in full force and effect.

Provided, that any alterations which may be made in the terms of the Contract or in the work to be done under it, or the granting by the said CITY OF LIVONIA of any extension of time for the performance of the Contract or any other forbearance on either the part of the said CITY OF LIVONIA or the Principal, to the other, shall not in any way release the Principal and the Surety or Sureties, or either, or any of them, their heirs, executors, administrators, successors, or assigns, from their liability hereunder, notice to the surety or Sureties of any such alteration, extension or forbearance being hereby waived.

Witness, our hands and seals, this _____ day of _____, 2024.

Signed, sealed and delivered in the presence of:

_____ By _____

_____ By _____

MAINTENANCE AND GUARANTEE BOND

Know all men by these presents, that we, Nagle Paving Co.

As Principal, and _____ as Surety
(Sureties), are held and firmly bound unto THE CITY OF LIVONIA, WAYNE
COUNTY, MICHIGAN, hereinafter referred to as the CITY, in the sum of four million
two hundred thirty-three thousand nine hundred thirty-nine dollars and seventy cents
(\$4,233,939.70) for the payment of which, well and truly to be made, we hereby jointly
and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

The condition of the foregoing obligation is such that, whereas the Principal did on the
_____ day of _____, 2024 by articles of that date, enter
into a Contract with the CITY for the construction of 2024 Livonia Asphalt Paving
Program, Contract 24A.

and, as a condition precedent to receiving final payment on said Contract, to execute the
Bond herein described.

Now therefore, the Principal guarantees that for a period of one (1) year from the date of
the final estimate he will, without cost to the CITY, keep in good order and repair any
defect in the work done under said Contract by his employees, agents, subcontractors, or
material suppliers, that may develop during said time due to improper materials, defective
equipment, workmanship or arrangements, and that he will likewise restore to good
condition any work disturbed while correcting such defects, excepting only such part or
parts of said work which may have been disturbed without his consent or approval after
acceptance thereof by the CITY; and that whenever directed to do so by the CITY,
through written notice served personally or by mail upon the Principal at _____

Or upon the Surety (Sureties) at _____

_____, he will proceed at once to make the repairs specified, and in case of failure to do so, within one week from the date of service of said notice or such additional time as may be fixed therein, the CITY shall have the right to purchase such materials and employ such labor and equipment as may be necessary; to undertake, do and make such repairs, and to be reimbursed by the Principal or Surety (Sureties) for the full expense thereof. If it is necessary to make any repair or set a barricade at once to protect life and property, the CITY may take such action immediately, without notice to the Principal or Surety (Sureties). The CITY shall not be obliged to obtain the lowest bids for doing the work, or any part thereof, but all sums actually paid therefor shall be reimbursed by either the Principal or Surety (Sureties). In this connection, the judgment of the CITY shall be final and conclusive. If the Principal, for a period of one (1) year from the date of the final estimate, shall keep the work done under the aforesaid Contract in good order and repair, excepting only such part or parts of said work which may have been disturbed without his consent or approval after acceptance thereof by the CITY, and shall, whenever given notice as heron provided, immediately proceed to make specified repairs, or, in default thereof, shall reimburse the CITY for expenses incurred in making such repairs, and shall fully indemnify, defend and save the CITY harmless from all suits and actions for damages of every name and description brought or claimed against it, for or on account of any injury or damage to person or property received or sustained by any party or parties, by or from any of the acts or omissions or through the negligence of the Principal's employees, agents, subcontractors or material suppliers in the performance of the work required by said Contract, and from any and all claims arising under the Workman's Compensation Act of the State of Michigan, as amended, then the above obligation shall be void, otherwise to remain in full force and effect.

In witness whereof, the parties hereto have caused this instrument to be executed by their respective authorized officers this _____ day of _____, A.D.2024.

Signed, Sealed and Delivered in the Presence of:

_____ (L.S.)

_____ (L.S.)

_____ (L.S.)

_____, he will proceed at once to make the repairs specified, and in case of failure to do so, within one week from the date of service of said notice or such additional time as may be fixed therein, the CITY shall have the right to purchase such materials and employ such labor and equipment as may be necessary; to undertake, do and make such repairs, and to be reimbursed by the Principal or Surety (Sureties) for the full expense thereof. If it is necessary to make any repair or set a barricade at once to protect life and property, the CITY may take such action immediately, without notice to the Principal or Surety (Sureties). The CITY shall not be obliged to obtain the lowest bids for doing the work, or any part thereof, but all sums actually paid therefor shall be reimbursed by either the Principal or Surety (Sureties). In this connection, the judgment of the CITY shall be final and conclusive. If the Principal, for a period of one (1) year from the date of the final estimate, shall keep the work done under the aforesaid Contract in good order and repair, excepting only such part or parts of said work which may have been disturbed without his consent or approval after acceptance thereof by the CITY, and shall, whenever given notice as herein provided, immediately proceed to make specified repairs, or, in default thereof, shall reimburse the CITY for expenses incurred in making such repairs, and shall fully indemnify, defend and save the CITY harmless from all suits and actions for damages of every name and description brought or claimed against it, for or on account of any injury or damage to person or property received or sustained by any party or parties, by or from any of the acts or omissions or through the negligence of the Principal's employees, agents, subcontractors or material suppliers in the performance of the work required by said Contract, and from any and all claims arising under the Workman's Compensation Act of the State of Michigan, as amended, then the above obligation shall be void, otherwise to remain in full force and effect.

In witness whereof, the parties hereto have caused this instrument to be executed by their respective authorized officers this _____ day of _____, A.D.2024.

Signed, Sealed and Delivered in the Presence of:

_____ (L.S.)

_____ (L.S.)

_____ (L.S.)

GENERAL CONDITIONS AND SPECIFICATIONS

ORDER OF PREFERENCE

The specifications in this book shall be taken in the following order of preference. The number one specification supersedes all specifications below it if there is a conflict between the specifications.

1. Special Provisions
2. Project Plans and Drawings
3. Supplemental Specifications
4. General Conditions and General Specifications
5. 2020 Michigan Department of Transportation Standard Specifications for Construction

This order shall hold throughout these specifications and shall be considered as part of the Contract Documents.

CITY OF LIVONIA
GENERAL CONDITIONS

<u>SECTION</u>	<u>TOPIC</u>
1.	CONTRACT DOCUMENTS
2.	DEFINITIONS
3.	INTENT OF THE CONTRACT DOCUMENTS
4.	CONTRACT DRAWINGS AND SPECIFICATIONS
5.	SHOP DRAWINGS
6.	SOIL CONDITIONS
7.	“OR EQUAL” CLAUSE
8.	PATENTS AND INFRINGEMENTS
9.	SUPERINTENDENCE
10.	WORKMEN
11.	SUBCONTRACTING
12.	ENGINEER’S STATUS
13.	INSPECTOR’S STATUS
14.	INSPECTION
15.	PROTECTION OF WORK
16.	ACCIDENT PREVENTION
17.	WORKING SPACE
18.	USE OF THE SITE
19.	ORDER OF COMPLETION – USE OF COMPLETED PORTION
20.	PERMITS, SURVEYS AND COMPLIANCE WITH LAWS
21.	LAYING OUT WORK
22.	SURVEY MONUMENTS

CITY OF LIVONIA
GENERAL CONDITIONS CONTINUED

<u>SECTION</u>	<u>TOPIC</u>
23.	SANITARY REGULATIONS
24.	REPORTS OF ERRORS AND DISCREPANCIES
25.	ESTIMATED QUANTITIES
26.	CONTRACTOR'S AND SUBCONTRACTOR'S INSURANCE
27.	PROOF OF INSURANCE
28.	PERFORMANCE BOND
29.	LABOR AND MATERIALS BOND
30.	MAINTENANCE AND GUARANTEE BOND
31.	FORFEITURE OF CONTRACT
32.	DEFINITION OF NOTICE
33.	ADDITIONAL OR OMITTED WORK – PAYMENT
34.	DEDUCTION FOR UNCORRECTED WORK
35.	TIME LIMIT OF CONTRACT
36.	EXTENSION OF TIME
37.	ESTIMATES AND PAYMENTS
38.	FAIR EMPLOYMENT PRACTICES ACT
39.	LIQUIDATED DAMAGES
40.	INSPECTOR DAYS
41.	FORCE ACCOUNT BASIS
42.	FIELD OFFICE

CITY OF LIVONIA
GENERAL CONDITIONS

1. CONTRACT DOCUMENTS

The Contract Documents shall consist of the Notice to Bidders, Proposal, General Conditions, Specifications, Bonds, Plans, Drawings, Contract and any additional documents, which may be made a part of the contract.

2. DEFINITIONS

Certain terms when used in the Contract Documents shall be respectively defined as follows:

"City or Owner"	The City of Livonia
"Contractor"	The person, firm or corporation to whom the within contract is awarded by the Owner and who is subject to the terms hereof.
"Subcontractor"	A person, firm or corporation, other than a Contractor, supplying labor and/or materials, which contribute in any manner to performance of the within contract.
"Surety"	Any person, firm or corporation that has executed, as surety, the Contractor's bonds securing the performance of the within contract.
"Engineer"	The City Engineer of the City of Livonia or any of his designated representatives.

3. INTENT OF THE CONTRACT DOCUMENTS

The respective Contract Documents are complementary, so that requirements of any particular document shall be applicable to all. The contract price, as such term is used in the Contract Documents, shall include the cost of all superintendence, labor and materials, and all other expenses necessary for the proper execution of the work.

The specifications, schedules, plans and drawings herein referred to shall be taken together to explain each other and to make the whole consistent. Work shown on a plan and not mentioned in the specifications, or vice versa, shall be performed as if shown on both, and, in case of ambiguity in the plans and specifications, the Engineer will decide as to the correct interpretation thereof. Where errors or omissions are encountered in the contract documents, the applicable sections of

the current edition of the Michigan Department of Transportation Standard Specifications for Construction shall prevail. A copy of this document may be acquired by contacting the Contract Division, Michigan Department of Transportation, P.O. Box 30050, Lansing, Michigan 48090. When not otherwise specifically defined in the Contract Documents, words therein which describe materials or work having a well-known technical or trade meaning, recognized by architects, engineers and the trade, shall be construed in accordance with such meaning.

4. CONTRACT DRAWINGS AND SPECIFICATIONS

The Contractor shall be held to have compared the premises with the contract drawings and specifications, prior to submitting a proposal, and to have fully informed himself as to the condition of the premises, existing structures and any other condition affecting the carrying out of the work. No additional consideration or compensation will be allowed by reasons of obvious errors or omissions in the contract drawings or specifications.

Unless otherwise provided in the Contract Documents, the City will furnish the Contractor free of charge copies of all contract drawings and specifications reasonably necessary to carry out the work.

All work shall strictly conform with the contract drawings and specifications, and the Contractor shall not proceed without reference thereto.

Approved or conformed copies of the contract drawings and specifications shall be maintained at the work-site by the Contractor and be made available to the City at all times.

5. SHOP DRAWINGS

The Contractor shall submit to the Engineer all shop or setting drawings and schedules required for the work, make any corrections therein required by the Engineer, and resubmit same without delay.

Approved copies of all shop or contract drawings shall be maintained at the work-site by the Contractor and be made available to the City at all times.

6. SOIL CONDITIONS

The Contractor shall be held to have made his own determination of soil conditions on the premises, prior to submitting a proposal, and shall complete the work in whatever soil materials and under whatever conditions he may encounter or create, without additional cost to the Owner. This shall apply whether or not borings are shown on the drawings.

7. "OR EQUAL" CLAUSE

Whenever an article, material, or item of equipment is specified in any of the Contract Documents by describing a proprietary product, or by using the name of a manufacturer or vendor, the term "or equal", if not inserted, shall be implied.

The specified article, material, or equipment shall be understood as indicating the type, function, minimum standard of design, efficiency and quality desired and shall not be construed in such a manner as to exclude manufacturers' products of comparable quality, design and efficiency. The Contractor shall comply with requirements in the Contractor's Documents relative to the City's approval of materials and equipment before they are incorporated in the work.

8. PATENTS AND INFRINGEMENTS

The Contractor agrees to indemnify and save the City, its servants and agents, harmless against any and all claims for royalties or infringements of patent rights in respect to tools, appliances, equipment, processes, or systems of construction and materials made, furnished or used under this Contract, and to defend at his own expense any and all suits of law or in equity which may be brought against the City, its servants or agents, for such claims; provided, however, that the City, its servants or agents, gives the Contractors immediate notice in writing of the institution of such suits and authorizes him to defend the same, furnishing him with such reasonable assistance and available information as will enable him to so defend. The provisions of this paragraph shall be binding upon the parties hereto, notwithstanding anything to the contrary implied or expressed elsewhere in any of the Contract Documents.

9. SUPERINTENDENCE

The Contractor shall give his personal superintendence to the work or have, at the site of the work at **ALL TIMES** a competent foreman, superintendent, or other representative who is satisfactory to the City and who has authority to act for the Contractor.

10. WORKMEN

The Contractor shall employ only competent, efficient workmen who are skilled in the work assigned to them and shall at all times enforce strict discipline and good order among his employees. Whenever the Engineer shall notify the Contractor, in writing, that in his opinion any man so employed is careless, incompetent, disorderly, or otherwise unsatisfactory, such man shall be relieved from the work and shall not again be employed thereon except with the written consent of the Engineer.

11. SUBCONTRACTING

The Contractor shall not subcontract any work to be performed or any materials to be furnished in the performance of this Contract without the written consent of the City. If the Contractor sublets any part of this Contract, he shall be as fully responsible to the City for the acts and omissions of his subcontractors, and of the persons they directly or indirectly employ as he is responsible for the acts and omissions of his own employees.

12. ENGINEER'S STATUS

The Engineer shall have general supervision and direction of the work, and authority to stop such work whenever necessary to insure proper performance of this Contract. He shall also have authority to reject all work and materials which do not conform with the Contract, to direct the applications of forces to any portion of the work, as in his judgment is required, and to decide questions which arise in the course of such work.

13. INSPECTORS' STATUS

The City may appoint on-the-job inspectors who shall be under the direction of the Engineer. Such inspector will inform the Engineer as to the work progress, the manner in which it is being done, and the quality of materials being used. They will call the Contractor's attention to any observed failure to follow the plans and specifications. They shall have the authority to reject materials or workmanship which are defective and to suspend the work until any questions concerning compliance with the contract can be referred to and decided by the Engineer; **but they shall have no authority to direct the contractor's work or workmen, to supervise the Contractor's operation**, or to change the contract plans or specifications.

In no instance shall any action or omission on the part of an inspector release the Contractor from his responsibility to complete the work in accordance with the plans and specifications.

14. INSPECTION

The City and its representatives shall at all times have access to the work whenever it is in preparation or progress and the Contractor shall provide proper facilities for such access and for inspection.

The City shall have the right to reject materials and workmanship, which are defective, or to require their correction. Rejected workmanship shall be satisfactorily corrected, and rejected materials shall be promptly removed from the premises without charge to the City. If the Contractor does not correct such condemned work and remove rejected materials within a reasonable time, fixed by written notice, the City may remove them and charge the expense to the Contractor.

Should it be considered necessary or advisable by the City at the time before final acceptance of the entire work to make an examination of work already completed, by removing or tearing out same, the Contractor shall on request, promptly furnish any necessary facilities, labor and materials. If such work is found to be defective in any material respect, due to the fault of the Contractor, or his Subcontractors, he shall defray all the expenses of such examination and of satisfactory reconstruction. If, however, such work is found to meet the requirements of the Contract, the actual cost of labor and material necessary involved in the examination and replacement, plus 15%, shall be allowed the Contractor.

15. PROTECTION OF WORK

The Contractor shall continuously maintain adequate protection of all his work from damage and shall protect the City's and adjacent property from injury arising in connection with this contract. The work under this Contract shall be at the risk of the Contractor in every respect until finished and accepted by the City. The Contractor shall furnish and maintain necessary passageways, guard fences, lights and such other facilities and means of protection as may be needed.

16. ACCIDENT PREVENTION

Precaution shall be observed at all times for the protection of persons including employees and property. The safety provisions of applicable laws, as well as building and construction codes, shall be observed. Machinery and equipment shall be guarded, and all hazards guarded or eliminated, in accordance with the safety provisions of the Manual of Accident Prevention in Construction, published by the Associated General Contractors of America, to the extent that such provisions are not in contravention of applicable laws.

During the course of construction, provisions must be made to maintain access for emergency vehicles at all times. One lane of the existing roads may be closed to traffic during the process of work but must be opened at the end of each working day. During the progress of the work, the Contractor shall accommodate vehicular and pedestrian traffic in the existing roads right-of-way. Contractor's equipment operations on public streets shall be governed by all local traffic ordinances and regulations of the Fire and Police Divisions and the Department of Public Services. The Contractor shall provide the required signs, barricades and flashing lights on the barricades as directed by the Engineer. All signs and barricades shall conform to the Michigan Manual of Uniform Traffic Control Devices and the Michigan Department of Transportation Standard Specifications for Construction. This shall include Type III barricades to close areas and Type II barricades to direct traffic and protect work and advance warning arrow panels to direct traffic as necessary. The Contractor shall attach and maintain two battery-operated amber flashers (Type A) to each advanced warning or detour sign. In case detours or other traffic instructions are necessary, suitable warning or direction devices shall be installed and maintained by the Contractor.

Should the Contractor fail to comply with any provision of this Contract, affecting the public welfare or safety, the City may, with or without notice, cause the necessary precaution to be taken, and deduct the cost of such work from any money due or to become due the Contractor under this Contract, but the performance of such work by the City, or at its direction, shall not release the Contractor from his general or particular liability for the safety of persons or property.

17. WORKING SPACE

The Contractor shall confine his equipment, apparatus, materials storage and operations to limits indicated by applicable laws, permits or directions of the City and shall not necessarily encumber the premises with his materials.

Should the Contractor require space on privately owned property; he shall obtain such space at his own expense by agreement with the owner thereof. The City will require a copy of a signed waiver from property owner for use of the privately owned site.

18. USE OF THE SITE

In his operations the Contractor shall interfere as little as possible with traffic and shall in no case unduly obstruct traveled ways.

The Contractor shall at no time interfere with surface or underground drainage. Free access shall be provided at all times to hydrants and water and gas valves.

The Contractor shall enforce the City's instructions regarding signs, advertisements, fires and smoke.

19. ORDER OF COMPLETION – USE OF COMPLETED PORTION

The Contractor shall cooperate with the City, when reasonably possible, to complete any portion or portions of the work in such order of time as will be beneficial to the City without prejudice to the Contractor's interests. Use of a completed portion of the work by the City shall not be deemed as acceptance of the work so used or any part thereof.

20. PERMITS, SURVEYS AND COMPLIANCE WITH LAWS

The Contractor shall secure and pay for all permits, fees and licenses (including such fees that may be assigned to the City of Livonia as permit holder) necessary for performance of the work unless otherwise specifically provided in the Contract Documents.

The City shall furnish all surveys unless otherwise provided in like manner.

The Contractor shall give all notices, pay all fees, and comply with all applicable laws, as well as rules and regulations bearing on the conduct of the work.

21. LAYING OUT WORK

Principal reference lines or points and benchmarks shall be given by the Engineer when he deems necessary; or he shall be given twenty-four (24) hour advance notice if the Contractor requires such information.

The Engineer will set suitable stakes and marks showing the locations and elevations of the various parts of the work and will furnish the Contractor with cut sheets referring to the reference points. No work shall be undertaken until such stakes and marks have been set. The Contractor shall assure that the work at all times proceeds in accordance with the stakes and marks and shall provide all labor and materials to set required batter boards and, or laser devices and locate the work accurately with respect to the reference points. The Engineer will place grade

stakes at the Contractor's desired offset. Once these stakes are placed, any necessary transfer of grade and/or offset will be the responsibility of the Contractor.

The Contractor shall carefully preserve reference points and stakes and in case of willful or careless destruction thereof, he will be charged for re-staking at the rate of \$375.00 per hour. There will be a one-hour minimum per request and the standard 24-hour notice is required. In addition, the Contractor shall be responsible for any errors that may be caused by their loss or disturbance.

22. SURVEY MONUMENTS

The Contractor shall protect and preserve all land survey monuments or property corners along the line of his work. Where monuments or irons are unavoidably disturbed or removed due to operations under this Contract, the Contractor, at his own expense, shall employ the services of a registered land surveyor to establish, reset or replace such monuments or irons.

23. SANITARY REGULATIONS

Necessary sanitary conveniences for the use of laborers on the work, properly secluded from public observation, shall be constructed and maintained in sanitary condition by the Contractor, and their use shall be strictly regulated.

24. REPORT OR ERRORS AND DISCREPANCIES

If, in the course of the work, the Contractor finds any discrepancies between the plans and the physical conditions encountered, or any errors or omissions in the plans or layout, it shall be his duty to immediately inform the Engineer in writing. Any work done after such discovery, until authorized by the Engineer, will be at the Contractor's risk.

25. ESTIMATED QUANTITIES

The quantities of the various classes of work to be done and materials to be furnished under this Contract, which have been estimated as stated elsewhere herein, are approximate and only for the purpose of comparing, on a uniform basis, the bids offered for the work under this Contract; and neither the City nor its agents are to be held responsible should any of the estimated quantities be found incorrect during the performance of the work; and the Contractor shall make no claim for anticipated profit, nor for loss of profit, because of a difference between the quantities of the various classes of work actually done or materials actually delivered, and the estimated quantities as herein stated.

26. CONTRACTOR'S AND SUBCONTRACTOR'S INSURANCE

The Contractor shall not commence work under this Contract until he has obtained the insurance required under this paragraph, nor shall the Contractor permit any Subcontractor to commence work on his Subcontract until he has obtained the insurance herein required.

- a. **Workmen's Compensation Insurance.** The Contractor shall procure and maintain during the life of this Contract, Workmen's Compensation Insurance for all of his employees who engage in the work to be performed; and, in case any such work is sublet, the Contractor shall require the Subcontractor to provide similar insurance for all of the latter's employees who engage in the work.
- b. **Contractor's Public Liability and Property Damage Insurance.** The Contractor shall procure and maintain during the life of this Contract, Contractor's Public Liability and Property Damage Insurance in the amount of not less than \$1,000,000.00 for injuries, including accidental death, to each person; and, subject to the same limit for each person, in the amount of not less than \$1,000,000.00 on account of each accident; and, in an amount not less than \$1,000,000.00, each accident, for damage to property.
- c. **Owner's and Contractor's Protective Public Liability and Property Damage Insurance.** The Contractor shall procure and maintain during the life of this Contract, Owner's and Contractor's Protective Public Liability and Property Damage Insurance, in the name of the City, in an amount not less than \$1,000,000.00 for injuries, including accidental death, to each person; and, subject to the same limit for each person, in an amount not less than \$1,000,000.00 on account of each accident; and in an amount not less than \$1,000,000.00, each accident, for damage to property. Such insurance shall include motor vehicle exposure and specific coverage by endorsement, which shall be described in the following manner:
- "It is hereby understood and agreed that such insurance as is afforded shall include specific coverage for the so-called Explosion, Collapse and Underground Hazards, which covers damage to property arising directly or indirectly from explosion, damage or structural injury to buildings or adjacent structures arising from operations under this Contract, including excavation or tunneling and damage sustained by wires, conduits, mains, sewers, and the like, occasioned by the Contractor's sub-surface operations."
- d. **Subcontractor's Public Liability and Property Damage Insurance.** The Contractor shall require each of his Subcontractors to procure and maintain during the life of their subcontract, Subcontractor's Public Liability and Property Damage Insurance in an amount not less than \$1,000,000.00 for injuries, including accidental death, to each person; and, subject to the same limit for each person, in an amount not less than \$1,000,000.00 on account of each accident; and in an amount not less than \$1,000,000.00, each accident, for damage to property.

The Contractor shall require each of his Subcontractors to procure and maintain during the life of their subcontract, Owner's and Contractor's Protective Public Liability and Property Damage Insurance in an amount not less than \$1,000,000.00 for injuries, including accidental death, to each person; and, subject to the same limit for each person, in an amount not less than \$1,000,000.00 on account of each accident; and in an amount not less than \$1,000,000.00, each accident, for damage to property.

e. **Contractor's Motor Vehicle Bodily Injury and Property Damage Insurance.**

- (1) The Contractor shall procure and maintain during the life of this Contract, Motor Vehicle Bodily Injury Insurance (Comprehensive Form) in an amount not less than \$1,000,000.00 for injuries, including accidental death, to each person; and, subject to the same limit for each person, in an amount not less than \$1,000,000.00 on account of each accident; and in an amount not less than \$1,000,000.00, each accident for damage to property.
- (2) The Contractor shall procure and maintain during the life of this Contract, Hired and Non-Ownership Motor Vehicle Bodily Injury and Property Damage Insurance in an amount not less than \$1,000,000.00 for injuries, including accidental death, to each person; and, subject to the same limit for each person, in an amount not less than \$1,000,000.00 for each accident; and in an amount not less than \$1,000,000.00, each accident, for damage to property.

27. PROOF OF INSURANCE – FORM 1304-A City of Livonia Projects

The City shall be an additional insured party under the Contractor's General Commercial insurance policy. The Contractor shall provide the City, at the time this Contract is returned by him for execution, the certificates and policy listed below. The City's additional insured status and a guarantee that thirty (30) days notice will be given to the City prior to cancellation of, or change in, any insurance coverage shall be endorsed on each certificate and policy:

1. Four (4) copies of Certificate of Coverage of Contractor's Workmen's Compensation Insurance.
2. Four (4) copies of Certificate of Coverage of Contractor's Public Liability and Property Damage Insurance.
3. Four (4) copies of Certificate of Coverage of Contractor's Motor Vehicle Bodily Injury and Property Damage Insurance covering owned, hired, and non-owned vehicles.
4. Four (4) copies of Owner's and Contractor's Protective Public Liability and Property Damage Insurance Policy.

28. PERFORMANCE BOND

The Contractor, within 15 days from the date of acceptance of his proposal, shall execute in favor of the City a Surety Bond Form in an amount at least equal to 100% of the contract price from an "A" rating or better company, as security for the faithful performance of this Contract.

29. LABOR AND MATERIALS BOND

The Contractor, within 15 days from the date of acceptance of his proposal, shall execute in favor of the City a Surety Bond Form in an amount at least equal to 100% of the contract price, as security for the payment of all persons performing labor and furnishing materials in connection with this Contract.

30. MAINTENANCE AND GUARANTEE BOND

The Contractor, as a condition precedent to final payment, shall execute in favor of the City a Maintenance and Guarantee Bond Form in an amount at least equal to 100% of the contract price. The guarantee shall cover all work performed and materials furnished under this Contract for a period of one (1) year subsequent to the date of the final estimate.

31. FORFEITURE OF CONTRACT

If the work to be done under the Contract shall be abandoned by the Contractor, or, if at any time in the judgment of the City, the Contractor shall fail to perform the work at a reasonable rate of progress, or to comply with all or any of the terms and requirements herein set forth, then the City shall have the right for take possession of the work, including Contractor's plans, supplies, and materials, at any time after having notified the Contractor in writing to discontinue the work under this Contract for said cause or causes, and such action shall not affect the right of the City to recover damaged resulting from such abandonment or failure to perform. Upon receiving such notice, the Contractor shall, upon demand, immediately give the City safe and peaceable possession of the work, including the plans, and shall then cease to have control over any portion thereof or the men employed thereon.

The City may then proceed to complete the work herein specified, by Contract or otherwise, and the entire cost incurred shall be charged to the Contractor and deducted from any sum or sums due or to become due under the Contract; the excess cost, if any, shall be paid to the City by the Contractor or his sureties.

32. DEFINITION OF NOTICE

Where the Contract Documents provide for the giving of any notice, it shall be deemed to have been given: (a) as to the City, when written notice shall have been delivered to the Engineer or the City Clerk, or shall have been placed in the United States mail, addressed to the City Clerk at the place where the bids and proposals for the Contract were opened; (b) as to the Contractor, when written notice shall have been delivered to his chief representative then present at the site of the work, or shall have been placed in the United States mail, addressed to the Contractor at his permanent place of business, as stated in the papers prepared by him to accompany his proposal; and (c) as to the Surety on a performance bond or labor and materials bond, when a written notice shall have been placed in the United States mail, addressed to the Surety at his home office or to the agents who executed such performance bond or labor and materials bond on the Surety's behalf.

33. ADDITIONAL OR OMITTED WORK - PAYMENT

The City may authorize changes in, additions to or deductions from the work to be performed or the materials to be furnished pursuant to the provision of this Contract.

Adjustments, if any, in the amounts to be paid to the Contractor by reason of any such change, addition or deduction shall be determined by one or more of the following methods:

- (a) By unit prices contained in the Contractor's original bid and incorporated in the construction contract.
- (b) By a supplemental schedule of prices contained in the Contractor's original bid and incorporated in the construction contract.
- (c) By an acceptable lump sum proposal from the Contractor.
- (d) On a force account basis in accordance with procedures set forth in Paragraph No. 41 of these General Conditions.

34. DEDUCTION FOR UNCORRECTED WORK

If the City deems it expedient to accept work, which has been damaged or not done in accordance with the Contract, an equitable adjustment will be made so as to deduct from the contract price the cost of repairing or properly performing such work.

35. TIME LIMIT OF CONTRACT

The parties hereto distinctly understand and agree that the time specified for completion of the work is the essence of this Contract, and that the Contractor shall not be entitled to claim performance of this agreement unless the work is satisfactorily completed, in every respect, within the time herein specified.

36. EXTENSION OF TIME

An extension of time may be granted by the City in the event of the work being delayed, beyond the prescribed time for completion, by carriers, the elements, general strikes, accidents or other causes not under the Contractor's reasonable control. Such an extension of time shall be deemed to be in full compensation for any loss or injury sustained by the Contractor by reason of delays caused as Aforesaid, and the Contract shall not thereby be invalidated in any respect.

37. ESTIMATES AND PAYMENTS

The City shall pay to the Contractor amounts bid in the proposal, or as modified by subsequent agreement, less deduction for any unsatisfactory or uncompleted work, based upon measurements made by the Engineer or as otherwise herein stipulated, and such measurement shall be final and conclusive.

A. BI-WEEKLY PROGRESS PAYMENT

Payments based on progress estimates will be made bi-weekly for ninety percent (90%) of the work completed until fifty percent (50%) completion less any deductions or reservations which may be made in accordance with the terms of this Contract provided that the work is progressing satisfactorily, all orders of the Engineer have been complied with, and the time of completion shall not have expired. No allowance will be made for materials furnished which have not been incorporated in the completed work unless otherwise stated on the Contract Documents. All retained funds will be separately held in interest bearing accounts and disbursed to the Contractor in accordance with Public Act No. 524, 1980.

The Contractor shall submit to the City an application for each payment and shall submit a Contractor's Declaration stating that he has not performed any work, furnished any material, sustained any loss, damage or delay, for any reasons, including soil conditions encountered or created, or otherwise done anything for which he will ask, demand, sue for, or claim compensation from the City and, if required, shall submit receipts or other vouchers showing his payments for materials and labor, including payments to subcontractors. (Forms included in Contract Documents)

The City may withhold payment of any progress estimate, or portion thereof, until the Contractor shall have furnished satisfactory evidence that he has paid all claims of every nature.

No payment shall be considered as acceptance of work completed, or any portion thereof, prior to compensation of all work required by this Contract and payment of the final estimate.

B. FINAL PAYMENT

Within thirty (30) days after completion of all work required by this Contract to the satisfaction of the City and the Engineer, in accordance with all and singular terms and stipulations herein contained, the City shall make final payment, based upon a final estimate made by the Engineer. Before such payment is made, the Contractor shall, as directed by the City, execute a Contractor's Affidavit that he has paid all claims of every nature, or secured a release from the surety or sureties approving payment. The final payment shall be considered as full approval and acceptance of the completed work herein specified.

Acceptance by the Contractor of the final payment aforesaid shall operate as, and shall be, a release of the City and its agents, from all claims by liability to the Contractor for anything done, furnished for, or relating to the work, as well as act or neglect of the City or of any person relating to or affecting the work.

38. FAIR EMPLOYMENT PRACTICES ACT

- (a) The Contractor agrees that neither he nor his subcontractors will discriminate against any employee or applicant for employment, to be employed in the

performance of this Contract, with respect to his hire, tenure, terms, conditions or privileges of employment, or any matter directly or indirectly related to employment, because of his race, color, religion, national history or ancestry.

- (b) The Contractor agrees that neither he nor his subcontractors will discriminate against any employee or applicant for employment, to be employed in the performance of his contract, with respect to his hire, tenure, terms, conditions or privileges of employment, or any matter directly or indirectly related to employment, because of his age or sex, except where based on a bona fide occupational qualification.
- (c) Breach of the covenants contained in either of the foregoing paragraphs may be regarded as a material breach of this Contract and may result in its cancellation, termination or suspension in whole or in part and in the Contractor being declared ineligible to contract in the future with the City of Livonia.

39. LIQUIDATED DAMAGES

The Contractor guarantees that he can and will complete the work within the time limit stated in the Contract Documents, or within the time as extended as provided elsewhere in the Contract Documents. Inasmuch as the damage and loss to the City which will result from the failure of the Contractor to complete the work within the stipulated time will be most difficult or impossible, of accurate determination, it is mutually agreed that the damages to the City for such delay and failure on the part of the Contractor shall be liquidated in the amount stated in the Form of Proposal, for each and every calendar day by which the Contractor shall fail to complete the work or any part thereof within the provisions hereof, and such liquidated damages shall not be considered as a penalty.

The City will deduct and retain out of any money due or to become due hereunder the amount of the liquidated damages, and in case those amounts are less than the amount of liquidated damages, the Contractor shall pay the difference upon demand of the City.

40. INSPECTOR DAYS (APPLICABLE IF SPECIFIED AS AN ITEM IN THE FORM OF PROPOSAL)

It shall be the responsibility of the bidder to include as a bid item in his proposal the number of inspection days he estimates will be required to complete this project. An inspector day shall be determined from the tabulation listed below for the time each inspector spends on the project. An inspector will be assigned to each work until carrying out separate operations needed to complete this project. This will be for, but not limited to, operations such as, while materials are being installed, during excavation and back-filling operations, all pressure tests, infiltration tests, T.V. inspection, placing concrete or asphalt paving, restoration operations, final inspection of the completed work or the checking of complaints on the project.

Delays in the progress of the work under the contract because of the Contractor's failure to diligently pursue his work will not eliminate an inspection fee being

charges against the Contractor. Inspection time may be charged to the Contract for each day for the availability of an inspector on the project. This time may be charged against a Contractor until such time as the Contractor is ready for final payment. Charges for each inspector assigned to the project shall be made in accordance with the following schedule:

	<u>Inspector Hours Chargeable</u>
1. For any working day of less than four (4) hours	4
2. For a working day Monday through Friday inclusive of more than four (4) but less than eight (8) hours	8
3. For each working hour of fraction thereof in excess of eight (8) hours Monday through Friday inclusive and each working hour of fraction thereof on Saturday	1.25
4. For each working hour or fraction thereof on Sunday	1.50

An inspector day shall then be computed by adding the above listed total chargeable hours and dividing such total number of chargeable hours by eight (8).

When the Contractor elects not to work, the minimum show-up time for each inspector on the project shall be four (4) hours. No show-up time will be included when the Contractor gives the project engineer at least 24 hours notice of his intent not to work. The Contractor shall give the Engineer at least 48 hours notice before beginning each operation such as installing materials or restoration operations.

Provisions have been made on the itemized price schedule for the insertion of the number of inspector days anticipated for completion of the project. The Contractor shall insert the number of inspector days, multiply by Six Hundred Eighty Dollars (\$680.00) per day and insert the total in the space provided. This total is a lump sum amount, which will be credited to the Contractor. The number of inspector days each month will be computed and the cost deducted from this credit amount. Should the credited amount become depleted, the cost of inspector days will continue to be deducted from the monthly payments to the Contractor. Upon completion of this project, any surplus remaining in the inspector day lump sum bid will be given to the Contractor.

The number of inspection days stated in the proposal will not be changed except by the authorized Change Order(s). An extension of time, if granted will not automatically constitute additional inspection days under the Contract.

41. FORCE ACCOUNT BASIS

When work performed is to be paid for on a force account basis, the method of construction, type and amount of equipment to be used shall be submitted and approved by the Engineer, prior to proceeding with the work. The Contractor shall furnish to the Engineer itemized reports of the costs of all force account work. The reports shall be furnished each week and shall include certification of the payroll

involved in the work. The bills shall show credits for any discounts offered by suppliers and only the net amount of the bill shall be charged to the force account work.

A. STATEMENTS

The Contractor and the Engineer shall compare records of force account work and bring them into agreement at the end of each day. From the weekly reports received from the Contractor, the Engineer will prepare, on regulation forms, itemized statements containing the following detailed information:

Name, class, dates, number of hour worked each day, total hours, rate and extension (rate multiplied by hours worked) for each employee and foreman engaged.

Equipment description, number of actual hours operated each day, total hours, rental rate, and extension (rate multiplied by hours operated) for each unit of equipment engaged. The Contractor's weekly report should fully describe each unit of equipment (rating, type of engine, optional equipment, type of blade, size of bucket, etc.)

Quantities of material used, unit prices, and total cost (extensions).

Freight on materials.

The compensation as herein provided shall be accepted by the Contractor as payment in full for all labor, including fringe benefits as hereinafter set forth, equipment and materials used for force account work, and the amount so paid shall cover profit, superintendence, general expense, overhead, and the use of small tools and equipment for which no rental is allowed. General Foreman and Superintendents shall be classified as management, and shall not be considered as a separate cost item for force account purposes.

B. LABOR

For all labor and foreman in direct charge of the specific work, the Contractor shall receive the actual rate of wage paid for each and every hour that said labor and foreman are actually engaged in such work, plus twenty percent (20%) of the sum, plus any additions as hereinafter provided.

C. BOND, INSURANCE, TAX

The force account percentage for labor and wage rates paid by the Contractor to its employees, shall cover any possible costs for bond premiums, workmen's compensation insurance, personal injury public liability and property damage public liability insurance, unemployment compensation, and federal social security levied against the Contractor will be paid at cost. The Contractor shall furnish satisfactory evidence of the amounts paid for each of these required costs as related to force account work. An amount equal to ten percent (10%) will be added to these costs.

D. MATERIALS

For materials and supplies furnished by the Contractor, and used in the specific work, the Contractor will be paid the actual cost of such materials used in the work, including freight charges, verified by original receipted bills, plus fifteen percent (15%) of the sum thereof.

Where materials used are not specifically purchased for use on this work but are taken from the Contractor's stock, the Contractor shall submit a certification of the quantity, price and freight on such materials in lieu of original receipted bills and invoices.

The City will pay sales and/or use tax as required by law on any material that is incorporated into the end product.

E. MACHINERY AND EQUIPMENT

For any Contractor-owned machinery and equipment including the foreman's transportation unit, which is determined to be necessary to use on work done by force account, the Contractor will be paid rental rates as follows:

1. The rate for each piece of Contractor owned equipment used, including appurtenances and attachments to equipment, will be determined by using the *Rental Rate Blue Book for Construction Equipment*, Volume 1, 2, or 3, by Equipment Watch, Inc. (Blue Book). The edition that is current at the time the force account work is started will apply. The base hourly rate will be equal to

the published monthly rental rate divided by 176, modified by the rate adjustment factor and the applicable map adjustment factor, plus the "estimated operating cost per hour."

2. For equipment not listed in the Blue Book, the rate will be determined by using the published rental rate listed for a similar piece of equipment giving proper consideration to the capacity, size, horsepower, and age of the equipment. For equipment for which there is no comparable in the Blue Book, the monthly rate shall be reasonable but not more than five percent of the invoiced cost of the equipment. The base hourly rate shall then be determined by dividing the monthly rate by 176. Rates shall be agreed upon in writing before the equipment is used.
3. No payment will be allowed for small hand and power tools that are not listed in the Blue Book. Small hand and power tools listed in the Blue Book at a rate of less than \$1.00 per hour will be considered as part of overhead and will not be paid for separately.
4. The rates used for Contractor owned trucks used to haul material will be those published by the Michigan Department of

Transportation. The rates will be reviewed and adjusted periodically. Separate payment for the driver will be allowed as described under labor. The rate for the foreman's transportation unit will be \$7.00 per hour.

5. The minimum time per day for equipment used productively in force account work will be two hours. For equipment which is required intermittently, the time will be determined in two-hour intervals after the equipment is first needed and put into use in the performance of the force account work. The rate for each two-hour interval will be full rate or stand by rate according to Idle Equipment Section G, depending upon the productive use or non-use of the equipment during each two-hour interval.
6. Travel time to the location of the force account work will be included when the equipment is moved under its own power. When equipment is moved from one site to another by means other than its own power, the actual operating time during periods of loading and unloading equipment will be paid for at the established rate and transportation costs will be allowed.

Transportation charges for each piece of equipment to and from the work site will be paid provided:

- Equipment is obtained from the nearest available source
- Return charges do not exceed the delivery charges; and
- Charges are restricted to those units of equipment not already available and not on or near the project.

F. NON-CONTRACTOR OWNED EQUIPMENT

If the Contractor is required to rent a specific type of equipment, the Contractor shall inform the Engineer of the need to rent the equipment and of the rental rate for that equipment before using it on the work site. The Contractor will be paid the actual rental for the equipment for the time that the equipment is used to accomplish the work, plus the cost of moving the equipment onto and away from the job, provided the total rental rate does not exceed the rental rate established by the Blue Book plus operating costs. The Contractor shall provide a copy of invoices for all rental expenses incurred.

STANDBY RATE AND ALLOWABLE HOURS

For Contractor owned equipment the standby rate will be one-half the rate established in Machinery and Equipment Section E. No payment will be allowed for operating costs. The standby rate will only be allowed if both of the following conditions are met:

1. The Engineer specifically required the equipment to remain on the site for later use on the force account activity; and

2. Work is being performed on the force account activity when the equipment is idle.

Payments for standby time will not be made on any day the equipment operates for eight or more hours. For equipment accumulating less than eight hours operating time on any normal work day, standby payment will be limited to only that number of hours that, when added to the operating time for that day, equals eight hours.

G. MISCELLANEOUS

No additional allowance will be made for general superintendence or other costs for which no specific allowance is provided.

H. SUBCONTRACTING OR HIRING SERVICES BY OTHERS

For administration costs in connection with approved subcontract work or hiring services by others to perform specialized type of work which the Contractor is not qualified to do, the Contractor shall receive an amount equal to five percent (5%) of the total cost of the work computed as set forth above. Prior approval of the Engineer is required.

The Contractor, while performing force account work at the request of the City, is operating within the framework of the entire contract and is subject to all the provisions herein.

42. FIELD OFFICE

When provided in the Instruction to Bidders, the Contractor shall furnish and maintain, for the exclusive use of the Engineer, an approved weather-proof building as a field office, for all construction projects. The building shall be located as approved by the Engineer, in full view of the work and with at least one window facing construction operations.

The building shall have a tight board floor and the floor space shall not be less than 160 square feet and the ceiling not less than eight (8) feet in height, and shall be provided with the following:

- a. Heating and air conditioning equipment that will maintain a temperature between 70° F and 80° F during working hours.
- b. At least two wall-mounted electrical power outlets per room that conform to local electric codes for office use.
- c. Not less than two 75-watt electric lights per room.
- d. Water and telephone service.
- e. A standard sized door.
- f. A minimum floor to ceiling height of 8 feet.

- g. A wooden locker for the storing of implements and testing equipment.
- h. A minimum of 6 feet of rigidly constructed 30-inch wide counter.
- i. At least three single sash windows with at least one sash, hinged or sliding window per room.
- j. Locks, bars, window locks, or a security system.
- k. Bottled water for drinking.
- l. First aid kits, smoke detectors, and fire extinguishers required by local fire and safety authorities. Maintain fire extinguishers and smoke detectors.

The Contractor shall provide, at a location near the field office, a sanitary facility. The construction, regular maintenance and final removal of the facility shall be in accordance with local restrictions and shall be incidental to the construction of the project.

A trailer having equal facilities and floor space may be used in place of above described field office if so desired.

The cost and maintenance of the above described facilities will not be paid for separately but shall be included in the price bid for various items of work under the contract. The building shall be removed by the Contractor upon completion of the Contract and shall become his property.

SUPPLEMENTAL GENERAL CONDITIONS

This section is to update and correct information in the general conditions provided in this contract. All items in this section are to supersede any duplicate information in the General Conditions that may conflict with information in this section.

All references to the MDOT Standard Specifications for Construction, no matter what edition is referenced, shall be taken to be referring to the MDOT 2020 Standard Specifications for Construction. In some instances, the section number referenced in the General Conditions may not correspond to the current version of the Standard Specifications. In such instances the Contractor shall refer to the applicable section in the 2020 edition of the Standard Specifications for Construction.

The Contractor shall obtain any necessary permits from MDOT and/or the Wayne County Department of Public Services prior to placing construction signing on MDOT and/or County roads. Upon receiving a written request by the Contractor, the City shall provide a check or reimburse the Contractor for any permit or application fees needed to obtain these permits.

The Contractor shall give seven (7) day notice prior to the following: start of work, layout, or survey work that is to be provided by the Engineer, and the need for inspection services. All references to a notice time period in the General Conditions shall be taken as 7 day notice.

The Contractor shall give seventy-two (72) hour notice for re-staking. The Contractor shall be charged for re-staking at the rate of three hundred seventy-five dollars (\$375.00) per hour.

Payments based on progress estimates will be made **monthly** for ninety percent (90%) of the work completed until fifty percent (50%) completion less any deductions or reservations, which may be made in accordance with the terms of this Contract provided that the work is progressing satisfactorily, all orders of the Engineer have been complied with, and the time of completion shall not have expired. Any reference to pay estimates in the General Conditions shall be taken to be on a monthly basis.

All references to time limits for submittals after the acceptance of a bid shall be taken to be ten (10) days per proposal page P-1.

All work shall take place between the hours of 7:00 A.M. and 9:00 P.M. in compliance with the City of Livonia noise control ordinance.

~~A minimum of 150 inspector days, as shown on page P-7 part 1B, item 87, shall be required as part of this contract.~~

In the event that the total cost for road items for a particular street in the contract changes by more than 25%, the total number of inspector days shall be eligible to be increased as negotiated with the Engineer. If the road item price decreases below the base bid, there shall be no reduction in the number of inspector days. There shall be no other considerations for a modification in the number of inspector days.

Liquidated damages are outlined in the Progress Clause of the Contract Book.

No field office will be required as part of this contract.

No dumping will be allowed in the City Dump.

SPECIFICATIONS - GENERAL

<u>Section</u>	<u>Topic</u>
1.	Materials and Workmanship
2.	Dewatering
3.	Sheeting, Shoring, and Bracing
4.	Tunneling
5.	Existing Structures and Utilities
6.	Roadway, Walkways and Porous Backfill
7.	Road Detours
8.	Dust Control
9.	Preservation of Trees
10.	Seeding and Sodding
11.	Final Clean-up

SPECIFICATIONS - GENERAL

1. MATERIALS AND WORKMANSHIP

Unless otherwise stipulated in the specifications, all equipment, materials, and articles incorporated in the work covered by this contract are to be new and of the best grade of their respective kinds for the purpose.

If not otherwise provided, material or work called for in this contract shall be furnished and performed in accordance with well-known established practice and standards recognized by Architects, Engineers, and the trade.

When required by the specifications, or when called for by the City, the Contractor shall furnish the City for approval, full information concerning the materials or articles which he contemplates incorporating in the work. Samples of materials shall be submitted for approval when so directed. Machinery, equipment, materials, and articles installed or used without such approval shall be at the risk of subsequent rejection.

2. DEWATERING

The Contractor shall provide and maintain adequate pumping and drainage facilities for removal and disposal of water from trenches or other excavations.

Where the work is in ground containing an excessive amount of water, the Contractor shall provide, install, maintain, and operate suitable well points, connecting manifolds and reliable pumping equipment to operate same to insure proper construction of the work.

Drainage or discharge lines shall be connected to adjacent public storm water drains or extended to nearby water courses wherever possible. In any event, all pumping and drainage shall be done without damage to any highway or other property, public or private, and without interference with the rights of the public or private property owners.

The Contractor shall receive no extra compensation for providing, maintaining or operating any dewatering or drainage facilities. .

3. SHEETING, SHORING AND BRACING

Where necessary in order to construct the work called for by the contract, to insure the safety of the men, or to protect other things of value, the Contractor shall use and, if necessary, leave in place, such sheeting, shoring, and bracing as is needed to carry out the work or to adequately insure the stability of such work, or to insure the safety of the men and/or to protect adjoining things of value. The Contractor will receive no extra compensation for sheeting, shoring, or bracing, whether removed or left in place.

4. TUNNELING

Tunnel work shall be constructed in accordance with the Engineer's specifications, "Road Permit" requirements or as otherwise noted on the drawings. The cost of tunneling shall be included in the unit prices unless listed as a separate item in the proposal.

Excavated tunnels shall be braced as necessary. Pipe shall be carefully set to line and grade. Voids shall be filled with a sand cement mixture consisting of three (3) bags of cement per yard of yellow sand thoroughly rammed into place except in cases where a permit requires a different backfill in which case such shall be used.

5. EXISTING STRUCTURES AND UTILITIES

Certain underground structures and utilities have been shown as an aid to the Contractor, but the City does not guarantee their location or that other underground structures or utilities may not be encountered.

Where utilities are encountered along the line of work, the Contractor shall perform his work in such a manner that utility service will not be interrupted and shall make all temporary provisions to maintain said service.

At any time when construction operations under this contract endanger conduits or structures of any public utility, the Contractor shall notify the utility owner and shall take such steps as may be required to protect said conduit or structure from damage.

Unless otherwise indicated in the contract documents, the Contractor shall replace any disturbed utility and reconstruct same on the original line and grade or, if necessary, at a new line and grade to be established by the engineer. Any damaged material shall be replaced with new material of the same quality as that replaced and all construction shall be in conformance with the requirements of the utility owner.

Where it is necessary that utility poles be moved to a new location or moved temporarily and replaced after construction, the Contractor shall arrange for the moving of such poles and the lines thereof.

Where it is the policy of any utility owner to make his own repairs or locations, the Contractor shall cooperate to the fullest extent with the utility.

Unless otherwise provided for in the proposal, the Contractor will receive no extra compensation for the relocation, replacement, maintenance of service or protection of any utilities encountered whether such utilities are shown on the contract drawings or not.

In all cases where permits, inspection fees or any charges are required by utilities, the Contractor shall secure all such permits and pay all such fees and charges.

6. ROADWAYS, WALKWAYS AND POROUS BACKFILL

Before roadways, sidewalks or other structures are disturbed, the Contractor shall make an examination of existing structures which may be disturbed, and careful notes shall be made of the condition of such structures and filed with the Engineer.

Where open cut construction crosses existing improved roadways or walkways, where the trench parallels an existing improved roadway or walkway which is disturbed by the Contractor's operations or where called for on the contract drawings, the Contractor shall backfill the trench with Michigan Department of Transportation Class II porous backfill. The backfill shall be placed in twelve inch (12") layers and shall be consolidated to maximum density by means of approved vibratory type compaction equipment. The porous material shall extend eight (8) feet beyond each side of the edge of the existing roadway or one (1) foot each side of the existing walkway at the ground level and shall slope at 45 degrees down the trench to the bottom of the trench and shall be placed prior to ordinary backfill.

A temporary gravel fill at least eight inches (8") thick shall be placed over the porous backfill to the width of the original roadway or walkway and shall be maintained in good condition with additional gravel as settling occurs until such time as permanent repairs or replacement of the original structures or surfaces have been made.

All structures including fences, curbing, walks, paving, road bases, road surfaces, etc. damaged or destroyed due to the Contractor's operations shall be repaired or replaced by him to at least as good condition as existed prior to the beginning of the work or to such condition as will meet with the full approval of the authority having jurisdiction. Where pavements or walkways must be cut, they shall be removed to the closest joint or shall be saw cut to provide a straight, neat joint as directed by the Engineer.

Unless otherwise provided for in the proposal, the Contractor will receive no extra compensation for porous backfill, for temporary surfaces or for repair or replacement of any structures damaged or destroyed by his operations. All such costs shall be considered as incidental to the work and included in the unit prices.

7. ROAD DETOURS

The Contractor, at his own expense, shall provide and maintain all temporary roadways as required due to his operations or as required under "Road Permits".

Temporary roads shall be constructed of six inches (6") of compacted 21AA Limestone or 21A Road Gravel meeting Michigan Department of Transportation Specifications.

8. DUST CONTROL

During the construction of any project, adequate dust control measures shall be maintained by the Contractor so as not to cause detriment to the safety, health, welfare, or comfort of any person or cause damage to property or business. If not shown as a pay item, dust control will be at Contractor's expense.

9. PRESERVATION OF TREES

The Contractor shall protect and preserve all trees along the line of work, and he will be held responsible for any damage to trees. Where necessary to preserve a tree and its main roots, the Contractor shall tunnel under such tree. Where specifically called for on the drawings, the Contractor shall remove trees completely, including stumps and main roots.

Where tunneling is not required for trees close to the trench and root trimming is necessary, the Contractor shall hand trench ahead of the machine digging and cut all roots cleanly to minimize damage to the roots.

The Contractor shall protect and/or replace all shrubbery damaged or destroyed by operations under this Contract.

Unless provided for otherwise in the Form of Proposal, the Contractor will receive no extra compensation for preservation of trees or for their removal where called for, or for the protection or replacement of shrubbery, and the cost of all work involved shall be included in the unit price bid.

10. SEEDING AND SODDING

Where established grass areas are disturbed by the Contractor's operation, he shall provide unless otherwise specified, not less than three inches (3") of approved topsoil and shall grade and seed with Michigan Department of Transportation Class A seeding, mulch, and fertilizer all in accordance with Section 816 of the General Specifications, dated 2020, of the Michigan Department of Transportation Standard Specifications. All work shall be done in an approved manner and seed shall be covered by light raking or dragging and then rolled with a light roller.

Where established lawn areas are disturbed by the Contractor's operations, he shall provide, unless otherwise specified, not less than three inch (3") of approved topsoil and shall grade, sod with approved first quality Kentucky Blue Grass, consisting of weed free turf freshly cut from an established nursery, and fertilize with a 10-6-4 commercial type fertilizer at the rate of 200 pounds per acre.

All work shall be done in accordance with Section 816 of the General Specifications, dated 2020, of the Michigan Department of Transportation Standard Specifications.

Unless otherwise called for in the proposal, the Contractor shall receive no extra compensation for seeding or sodding. All such costs shall be considered as incidental to the work and included in unit prices.

11. FINAL CLEAN-UP

Before work shall be considered ready for final inspection, the Contractor shall remove and properly dispose of all equipment, waste materials and excess excavation from the lines of the work, shall grade all trenches, and do any other necessary work to leave the premises in a workmanlike condition at least as good as existed before work was started.

SUPPLEMENTAL SPECIFICATIONS
GENERAL
Sheet 1 of 1

This section is to supplement and correct information in the Specifications-General as provided in this Contract. All items in this section are to override any duplicate information in the Specifications-General that may conflict with information in this section.

If not otherwise stated herein, material or work called for in this contract shall be furnished and performed in accordance with the MDOT 2020 Standard Specifications for Construction as provided for in the General Conditions of this Contract.

All references to the MDOT Standard Specifications for Construction, no matter what edition is referenced, shall be taken to be referring to the MDOT 2020 Standard Specifications for Construction. In some instances the section number referenced in the Specifications-General may not correspond to the current version of the Standard Specifications, in such instances the Contractor shall refer to the applicable section in the 2020 edition of the Standard Specifications for Construction.

Refer to the Special Provision for "Surface Restoration" for proper materials and procedure. The Contractor shall restore the work areas as directed by this Contract, the typical drawings, and/or as directed by the Engineer.

MDOT SUPPLEMENTAL SPECIFICATIONS
AND SPECIAL PROVISIONS

MICHIGAN
DEPARTMENT OF TRANSPORTATION
SUPPLEMENTAL SPECIFICATION
FOR
ERRATA TO THE 2020 STANDARD SPECIFICATIONS

1 of 10

12-01-23

Page	Subsection	Errata
1-06	101.02	Delete the second abbreviation of the list on this page reading: "IES Illuminating Engineering Society
1-06	101.02	Add the abbreviation to the list on this page reading: "IESNA Illuminating Engineering Society of North America
1-83	108.05.A.2	In the first paragraph of this subsection change the language "MDOT Form 1130" to read "MDOT Form 1130A".
1-88	108.08.D	Move the last paragraph of this subsection to the left one indent to align with the first paragraph of the subsection and not with the subsection 108.08.D.3.
2-29	205.03.P.1	Delete the first sentence of this subsection and replace with the following: "Do not dispose of material, temporarily or permanently, beyond the normal plan fill slope across wetlands or floodplains."
2-30	205.03.P.2	Delete the first sentence of this subsection and replace with the following: "Do not dispose of material, temporarily or permanently, in wetlands or floodplains."
2-30	205.03.P.3	Delete the second paragraph of this subsection and replace with the following: "Contact the appropriate regulatory agencies to determine whether an area is a regulated wetland or floodplain before disposing of surplus or unsuitable material in areas outside the right-of-way and not shown on the plans as disposal sites."
2-30	205.03.P.3	Delete the first sentence of the third paragraph of this subsection and replace with the following: "Immediately move to an upland site any surplus or unsuitable material that was disposed of in portions of wetlands or floodplains not shown on the plans as disposal sites, at no additional cost to the Department."
2-30	205.03.P.4	Delete the first sentence of this subsection and replace with the following:

“The Department will notify the applicable regulatory agencies if the Department becomes aware that the Contractor disposed of surplus or unsuitable material in portions of a wetland or floodplain not shown on the plans.”

3-31	308.04.D	Change the subsection title from “D. General. ” to read “A. General. ”
4-7	401.03.E	Delete the third sentence of the second paragraph of this subsection and replace with the following: “Use precast or cast-in-place footings for precast end sections as required.”
4-8	401.03.E	Delete the first sentence of the fourth paragraph on this page of this subsection and replace with the following: “When discharging stormwater directly to waters of the state, permanently label all end sections or other piped points of stormwater entry with “MDOT” or the local agency’s name in a conspicuous location that will remain visible after construction.”
4-11	401.04	Change the eighth pay item from the bottom of the list on this page to read as follows: Culv End Sect __ inch, GrateEach
4-12	401.04.C.4	Change this subsection to read: “The Engineer will measure Culv End Sect __ inch, Grate by each as shown on the plans for the size of grate required.”
4-21	402.03	Add a new subsection to the end of subsection 402.03 on this page reading as follows: “K. Outfall Labeling. Label all stormwater outfalls directly discharging to waters of the state in accordance with subsection 401.03.E.
4-39	406.02	Change the third line in the list of materials to read: Coarse Aggregate 6A, 6AA, 17A.....902
4-41	406.03.A.3	Delete the third paragraph of this subsection and replace with the following: “Design joints between adjacent box culvert sections in accordance with Section 9 of ASTM C1577 and to accommodate the joint sealing material in accordance with section 914 as applicable.”
4-50	406.03.G.3	Change the first sentence of the first paragraph to read: “Unless otherwise shown on the plans, construct culvert bedding for box culverts by placing a 9-inch-thick layer of 46G aggregate, covered with a 3-inch-thick layer of 34G, 34R aggregate, or approved equal.”
4-51	406.03.G.3	Add the following sentence to the end of the second paragraph of this subsection:

"The cold applied joint sealer must completely cover the external rubber gasket with the placement limits matching the width of the geotextile blanket."

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|------|------------|--|
| 4-52 | 406.04.B | In the second paragraph of this subsection delete the first sentence and replace with the following:
"The Department will pay separately for cast-in-place concrete, other than for culvert segments, headwalls, wingwalls, aprons, and curtain walls." |
| 5-26 | 502.02 | Delete the first sentence of the subsection and the listed materials in this subsection. |
| 5-26 | 502.02.A | Add the following to the end of the first sentence in this subsection:
"(914.04A)" |
| 5-26 | 502.02.B | Add the following to the end of the first sentence in this subsection:
"(502.02B)" |
| 5-35 | 503.04 | Change the first paragraph to read:
"The unit price for Paver-Placed Surface Seal , of the type required, includes the cost of preparing the surface, and placing a membrane and paver placed surface seal course for full-width coverage, except that the Department will pay separately for removing pavement markings in accordance with subsection 812.04" |
| 5-46 | 504.04.A | Change the first paragraph to read:
"A. General . The unit prices for Micro-Surface , regardless of the type required, include cleaning existing pavement, applying a bond coat, stationing, corrective action, and traffic control to complete corrective action." |
| 6-20 | 602.04 | Delete the fifteenth pay item of the list on this page reading:
"Shoulder, Reinf Conc.....Square Yard |
| 6-20 | 602.04 | Change the sixteenth thru the eighteenth pay items on this page to read as follows:
Shld, Nonreinf Conc.....Square Yard
Shld, Nonreinf Conc, High PerformanceSquare Yard
Shld, Freeway.....Square Yard |
| 6-21 | 602.04.B.1 | Delete this subsection and replace with the following:
" Shld, Nonreinf Conc ; and Shld, Nonreinf Conc, High Performance . The Engineer will measure, and the Department will pay for, Shld, Nonreinf Conc ; and Shld, Nonreinf Conc, High Performance by area, based on plan quantities in accordance with subsection 109.01." |
| 6-21 | 602.04.B.2 | Delete this subsection and replace with the following:
" Shld, Freeway . The Engineer will measure, and the Department will pay for, Shld, Freeway based on plan quantities in accordance |

with subsection 109.01. If the Contractor uses concrete for the shoulder, the unit price for **Shld, Freeway** includes the cost of the transverse joints in the shoulder and the external longitudinal pavement joints.”

6-23	602.04.F	Add the following sentence to the end of the first paragraph of this subsection: Temporary concrete pavement, pavement within 4 feet of an obstruction, pavement areas less than 300 square yards, or pavement less than 3 feet wide will not be cored.
6-23	602.04.F	Delete the following language from this subsection on this page: “The Engineer will not core the following: 1. Temporary concrete pavement; 2. Pavement within 4 feet of an obstruction; 3. Pavement areas less than 300 square yards; or 4. Pavement less than 3 feet wide.”
6-24	602.04	Rename the following subsections as follows:
6-24	602.04	“1. Initial Core.
6-24	602.04	2. Additional Cores.
6-25	602.04	3. Price Adjustment for Thickness.
6-26	602.04	4. Price Adjustments for Steel Locations within the Pavement.
		5. Remove and Replace.”
7-107	709.04	Change the Pay Unit on the second pay item from the top of the list on this page to read as follows: Thousand Board Foot
8-12	804.03.B.2	Change the first sentence in this subsection to read: “Cast in place light standard and sign support foundations using fixed forms in accordance with the <i>MDOT Standard Plan R-50 series</i>.”
8-27		Change the last pay item at the bottom of this page to read as follows: Guardrail Anch, Bridge, Det __, Curved.....Each
8-44	810.03.J.9	Add a period to the end of the third sentence in this subsection.
8-53	810.03.V	Add a period to the end of the second sentence of the first paragraph of this subsection.
8-53	810.04	Change the fourth pay item from the top of the list on this page to read as follows: Post, Steel, __ pound.....Foot

- 8-53 810.04 Change the last four pay items at the bottom of this page to read as follows:
 Fdn, Truss Sign Structure Type __, __ inch dia, Cased.....Foot
 Fdn, Truss Sign Structure Type __, __ inch dia, Uncased.....Foot
 Fdn, Cantilever Sign Structure Type __, __ inch dia, CasedFoot
 Fdn, Cantilever Sign Structure Type __, __ inch dia, Uncased.Foot
- 8-55 810.04.B.1 Delete the second paragraph of this subsection and replace with the following:
 “The unit prices for **Fdn, Truss Sign Structure Type __, __ inch dia, Cased** and **Fdn, Cantilever Sign Structure Type __, __ inch dia, Cased** include the cost of concrete, slurry, steel reinforcement, permanent casings, anchor bolts, excavation, and disposal of excavated material.”
- 8-55 810.04.B.2 Delete this subsection and replace with the following:
“Foundation, Truss Sign Structure, Uncased and Foundation, Cantilever Sign Structure, Uncased. The unit prices for **Fdn, Truss Sign Structure Type __, __ inch dia, Uncased** and **Fdn, Cantilever Sign Structure Type __, __ inch dia, Uncased** include the cost of concrete, slurry, steel reinforcement, temporary casings, anchor bolts, excavation, and disposal of excavated material.”
- 8-57 810.04.I Delete the first paragraph of this subsection and replace with the following:
 “The unit price for **Sign, Rem** of the type required includes the cost of removing signs from supports and stacking by shape and size.”
- 8-57 810.04.I Delete the second paragraph of this subsection and replace with the following:
 “The unit prices for **Ground Mtd Sign Supports, Rem; Cantilever, Rem** and **Truss, Rem** include the cost of removing ground mounted sign supports, cantilever or truss supports.”
- 8-57 810.04.L Change this subsection to read:
 “The unit price for Sign, Erect, Salv of the type required includes erecting the salvaged sign on a new sign support or existing sign support, as shown on the plans, and attaching devices, and hardware, including brackets.”
- 8-110 812.04 Change the fifth and sixth pay item from the top of the list on this page to read as follows:
 Sign, Type B, Temp, Prismatic, Spec, Furn Square Foot
 Sign, Type B, Temp, Prismatic, Spec, Oper Square Foot
- 8-141 815.04.C.1.b Delete this subsection in its entirety.
- 8-141 815.04.C.1.c Rename and change this subsection as follows:
 “b. Removal and disposal of unacceptable plants including the root ball.

8-141	815.04.C.1.d	Delete this subsection in its entirety.
8-142	815.04.C.2.d	Change this subsection to read: "During the first watering of the second growing season, remove and dispose of the guying material, identification tags, and inspection tags."
8-144	816.03.A	Change the third sentence in this subsection to read: "Use topsoil from within the project limits; or from off-site sources meeting the requirements in subsection 917.06."
8-167	818.04	Add the pay item to the bottom of the list on this page as follows: Power Company (Estimated Cost to Contractor)..... Dollar
8-170	818.04.G	Delete this subsection in its entirety.
8-170	818.04	Rename the following subsections as follows: "G. Handholes (Hh). H. Service Disconnect. I. Metered Service. J. Unmetered Service. K. Wood Pole. L. Concrete Pole, Fit Up. M. Steel Pole, Fit Up. N. Bracket Arm. "
8-171	818.04	
8-171	818.04	
8-171	818.04	
8-172	818.04	
8-172	818.04	
8-172	818.04	
8-172	818.04	
8-171	818.04.J	Delete the second paragraph of this subsection and replace with the following: "The pay item, Power Company (Estimated Cost to Contractor) , establishes a budgeted amount in the contract to cover the cost of reimbursing the Contractor for payments made to the power company for providing electrical power at the locations shown on the plans. The Department will estimate the reimbursement costs to the Contractor and establish a budgeted amount as shown on the plans. The Department will pay the Contractor for power company invoices paid, as submitted to the Engineer."
8-176	819.03.B.5.b	In the second paragraph of this subsection delete the first sentence and replace with the following: "Tighten bolts connecting the pole to the frangible base to a snug tight condition in accordance with subsection 707.03.E.6.c."
8-185	820.01.B	Add a period to the end of the first sentence of this subsection.
8-187	820.02	Change the first line in the list of materials on this page to read: Conduit Material.....918
8-196	820.03.O	In the fourth paragraph of this subsection delete the last sentence and replace with the following: "Use smooth wall, Schedule 80, rigid PVC conduit, or coilable, Schedule 80 PE conduit in accordance with section 818."

8-199	820.04	Add the pay item to the list on this page: TS, (number) Way (type) Mtd (LED) Optic
8-200	820.04	Change the second pay item from the top of the list on this page to read as follows: TS Head, TempEach
8-200	820.04	Change the eleventh pay item from the top of the list on this page to read as follows: TS, Lens, Pedestrian Sym (LED)Each
8-200	820.04	Delete the following pay items from the list: Strain Pole, Steel, 6 bolt, ___ foot.....Each Mast Arm Pole, Cat___.....Each Mast Arm, ___Foot, Cat.....Each
8-200	820.04	Change the eleventh pay item from the bottom of the list on this page to read as follows: Mast Arm, Rem.....Each
8-201	820.04	Delete the following pay item from the list: Power Co. (Est Cost to Contractor)..... Dollar
8-202	820.04	Add the following pay item to the list: Bracket, Truss, Salv.....Each
8-204	820.04.C	Delete the last paragraph of this subsection in its entirety.
8-204	820.04.D	Delete the first paragraph of this subsection in its entirety.
9-9	902.03.C.1.b	Delete the first sentence in this subsection and replace with the following: “The physical requirements for the coarse aggregate are as specified in Table 902-2 and as follows:”
9-16	Table 902-2	Delete the superscript footnote in the first through fourth rows under the header row that reads “(m)” in the column Loss, % max, LA Abrasion (MTM 102).
9-16	Table 902-2	Add the superscript footnote in the header row that reads “(m)” in the column Loss, % max, LA Abrasion (MTM 102).
9-15	Table 902-2	Delete the footnote (d) in one location in the table.
9-17	Table 902-2	Delete the footnote (d) in one location in the table.
9-21	Table 902-6	Delete the footnote (b) in two locations in the table.
9-21	Table 902-6	Change the footnote (c) to read (b) in two locations in the table.

9-21	Table 902-6	Change the footnote (d) to read (c) in two locations in the table.
9-70	909.05.D	Change the first sentence in this subsection to read: "Provide steel pipe for jacking in place meeting the requirements of ASTM A53/A53M for Type E or Type S, Grade B, or ASTM A139/A139M for Grade B."
9-94	Table 910-01	Change the value in the fifth row under the header row in the Permittivity (min) (per second) column from 0.5 to read: "0.05"
9-94	Table 910-01	Change the value in the seventh row under the header row in the Permittivity (min.) (per second) column from 0.5 to read: "0.05"
9-95	Table 910-2	Change the second row under the Ultimate strength section to read: "CMD ^(c) 1950 lb/ft"
9-119	913.06	Change this subsection to read: Circular precast concrete units with circular reinforcement for adjusting rings, tops, risers, and sump bases for manholes, catch basins, and inlets must meet the requirements of AASHTO M199 and the following additions and exceptions:
9-133	917.03	Rename the four subsections following the first paragraph on this page as follows: D. Deciduous Shade Trees. E. Small Trees, Ornamentals, and Shrubs. F. Evergreen Trees. G. Vines, Ground Cover, and Herbaceous Ornamental Plants.
9-149	918.08	In the first paragraph of this subsection delete the second sentence and replace with the following: "Provide light standards designed in accordance with AASHTO's LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals."
9-150	918.10	In the first paragraph of this subsection delete the first sentence and replace with the following: "Provide tower lighting units designed in accordance with AASHTO's LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals."
9-164	919.04.B	In the first paragraph of this subsection delete the first sentence and replace with the following: "Provide square tubular steel sign supports meeting the chemical, mechanical, and geometric properties of material used in the crash tests referenced in AASHTO's LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals."

9-170	920.02.C	Change the reference to Table 920-2 to read Table 920-3 in two locations.
9-222	922.10.A.3	Delete this subsection and replace with the following: "Conform to the wind load requirements specified by AASHTO's LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals with all equipment mounted without the need for additional ballast;"
10-23	1003.03.B	Delete the last sentence of this subsection and replace with the following: "Aggregate sampling for concrete will be performed by an MCAT-certified Aggregate Technician Level II."
10-43	Table 1006-02	Replace Table 1006-02 with the Table 1006-02 below.
1A - 20A	Pay Item Index	Replace the Pay Item Index in its entirety.

**Table 1006-2:
Overlay Mixtures**

Mixture Type	Aggregate	Slump (inch)	Air Content	Admixture Required	Mixture Proportions lb/yd ³ , dry weight					
					Cement ^(a)	Dry Densified Silica Fume ^(b)	Net Mix Water	Fine Agg	Coarse Agg	Latex Admixture
SFMC	2NS and 26A ^(c)	4–6	6.5 ±1.5%	^{(d),(e),(f)}	618	40	273 ^(g)	1273	1601	—
LMC	2NS and 26A ^(c)	^(h)	4.5 ±1.5%	—	658	—	^(h)	1490 ^{(i),(j)}	1300 ^{(i),(j)}	206

(a) Use only Type I Portland cement.

(b) For SFMC mixtures, the Contractor may use a blended silica fume Portland cement. However, if the silica fume content of the blended material is greater than 8% of the total cementitious material, submit to the Engineer modified mix proportions with Type I Portland cement added to the blended material to achieve the equivalent individual cementitious material mixture proportions.

(c) Provide coarse aggregate, 95% minimum crushed materials in accordance with Michigan Test Method (MTM) 117, with an absorption no greater than 2.5%, in accordance with ASTM C127.

(d) Water-reducing high-range admixture or water-reducing high-range and retarding admixture.

(e) Virgin polypropylene collated fibers at 2 lb/yd³.

(f) Air-entraining admixture.

(g) Provide a net water to cementitious material ratio of 0.41 (cementitious material includes cement and silica fume).

(h) Add water in addition to water in the latex admixture to control slump to within 3 to 5 inches. Measure slump from 4 to 5 minutes after discharge from the mixer. During the waiting period, deposit concrete on the deck and do not disturb. If placing mixtures on sections within superelevated curves, the Contractor may need to use the lower allowable range of the slump requirement, as determined by the Engineer. Do not exceed water-cement ratio, by weight, of 0.30 including water contained in the latex emulsion.

(i) Aggregate proportions are approximate; due to gradation changes, the Contractor may increase proportions by no greater than 5% by weight of total aggregate if reducing coarse aggregate by an equivalent volume.

(j) Aggregate weights specified in the table are based on a dry bulk specific gravity of 2.65 for gravel and stone. Adjust the weights if the specific gravity of the materials used varies by more than 0.02 from the specified values.

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Work may not start until after the pre-construction meeting and without the approval of the Engineer. In no case, shall any work commence prior to receipt of formal notice of award by the City of Livonia.

The project completion (open to traffic except punchlist) for all streets shall be completed on or before **October 11, 2024**.

The entire project (including punchlist) shall be completed on or before **October 25, 2024**.

The low bidder(s) for the work covered by this proposal will be required to meet with the City representatives to work out a detailed Progress Schedule. The schedule for this preconstruction meeting will be set after the low bidder is determined.

The named subcontractor(s) for Designated and/or Specialty Items, as shown in the proposal, is recommended to be at the scheduled meeting if such items materially affect the work schedule.

The Engineer will arrange the time and place for the meeting.

The Progress Schedule shall include, as a minimum, the controlling work items for the completion of the project and the planned dates that these work items will be controlling operations. When specified in the Bidding Proposal, the date the project is to be opened to traffic, as well as the final project completion date, shall also be included in the project schedule.

~~The contractor shall be limited to working on a maximum of eight (8) streets at a time. See Suggested Work Schedule below or approved otherwise by the Engineer. Once a reconstruction street has started, the street must be completed within 45 calendar days (Laurel Park must be completed within 70 calendar days). Once a rehabilitation street has started, the street must be completed within 40 calendar days. Once a maintenance street has started, the street must be completed within 21 calendar days. Each day after this time frame will be subject to liquidated damages that vary in the amount of \$750/day to \$1,000/day in addition to any liquidated damages associated with the final completion date of October 12, 2024. NIC~~

~~If surface restoration is not complete after fourteen (14) days of placing pavement material for a street, liquidated damages in the amount of \$500.00 per day for each calendar day the surface restoration is not complete for the street. Also, if the maintenance of traffic items and channelizing devices are not removed from the construction area after seven days of placing the restoration, liquidated damages in the amount of \$250.00 per day for each calendar day the items are not removed. NIC~~

~~\$1000.00 per day for each calendar day that completion of the entire project including surface restoration is not completed and accepted by the Owner after **October 25, 2024**. NIC~~

~~\$1500.00 per day for each calendar day that completion of the roadways affecting schools is not completed and accepted by the Owner after **August 23, 2024**. NIC~~

Items that may affect the Contractors schedule should be carefully considered, such as work limitations for work on school streets. Attached is the Engineer's phasing concept that considers school streets, proximity of work to each other, and cost per phase. This is a suggested schedule and may be altered with approval by the Engineer. The Contractor's schedule shall be submitted to the Engineer and approved before beginning the work.

If the Bidding Proposal specifies other controlling dates, these shall also be included in the Progress Schedule.

Failure on the part of the Contractor to carry out the provisions of the Progress Schedule, as established, may be considered sufficient cause to prevent bidding future projects until a satisfactory rate of progress is again established.

Suggested Work Schedule

PHASE 1			8 weeks: Apr 29 – June 23
Road Name	From	To	Fix
Bell Creek Rd	Farmington Rd	Six Mile Rd	Inlay
Bloomfield Dr	Farmington Rd	Bell Creek Ln	Inlay
Floral Ave	Lathers Dr	Curtis Ave	Inlay
Levan Dr	CSX Railroad Tracks	Schoolcraft Rd	Mill and Overlay
Sunset Blvd	Clarita Ave	Seven Mile Rd	Mill and Overlay
PHASE 2			10 weeks: June 24 – Sep 1
Road Name	From	To	Fix
Hubbard Rd	16360 Hubbard Rd	Six Mile Rd	Inlay
Edington Rd	Five Mile Rd	Roycroft Ave	Inlay
Morlock Ave	Oporto Ave	Melvin Ave	Inlay
Rayburn Ave	Stamford St	Whitby St	Inlay
Stamford Rd	Roycroft Ave	Rayburn Ave	Inlay
Whitby Rd	Dorais Rd	Hampshire Rd	Inlay
PHASE 3			11 weeks: July 29– Oct 11
Road Name	From	To	Fix
Laurel Park Dr	Six Mile Rd	17841 Laurel Park Dr	Reconstruction

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The existing utilities listed below, and shown on the plans, represent the best information available. This information does not relieve the Contractor of the responsibility to be satisfied as to its accuracy and the location of the existing utilities.

For protection of underground utilities and the conformance with Public Act 53, 1974, the contractor shall dial 1-800-482-7171 a minimum of three full working days, excluding Saturdays, Sundays, and Holidays prior to beginning each excavation in areas where public utilities have not been previously located. Members will thus be routinely notified. This does not relieve the contractor of the responsibility of notifying the utility owners who may not be a part of the "MISS DIG" alert system.

The Contractor shall be aware that shallow gas service leads have been encountered on many residential reconstruction streets in Livonia. There is a potential that existing service leads may be encountered when excavating to subgrade.

UTILITY CONTACT LIST (UPDATED 9/25/23)

Sanitary & Water – City of Livonia, DPW:

Ryan Ferrell
12973 Farmington Road
Livonia, MI 48150-4202
Phone: 734.466.2614
Email: RFerrell@livonia.gov

Fire – City of Livonia Fire Department:

Robert Jennison
Fire Chief
14190 Farmington Road
Livonia, MI 48154
Phone: 734.466.2441
After 5:00pm: 734.466.2470

Wayne County Traffic Signals:

Eric Lentz, P.E.
Traffic Operations Section
Division of Roads
29900 Goddard Road
Detroit, MI 48242
Phone: 734.955.2161
Fax: 734.955.2338
Email: Elentz@waynecounty.com

Wayne County DPS:

Hikmat Kassem, P.E.
Assistant Division Permit Engineer
33809 Michigan Avenue
Wayne, MI 48104
Phone: 734.595.6504, Ext. 2038
Fax: 734.595.6356
Email: Hkassem@waynecounty.com

MDOT Taylor TSC:

Andrea L. Jones
Utility and Permit Technician
6510 Telegraph Road
Taylor, MI 48180
Phone: 313.375.2402
Fax: 313.295.0822
Email: jonesan@michigan.gov

CSX Transportation, Inc.:

Charlie Myers
500 Water Street, J180
Jacksonville, FL 32202
Phone: 904.633.1503
Fax: 904.306.5037
Email: charlie_myers@CSX.com
Emergency: 1.800.232.0144

Buckeye Partners, L.P.:

Teriann Williams
6161 Hamilton Boulevard
Allentown, PA 18106
Phone: 610.904.4418
Emergency: 800.331.4115

Sunoco Logistics

Jason Adams – Pipeline Inspector
7155 Inkster Road
Taylor, MI 48180-1481
Phone: 313.969.9478
Mobile: 313.319.9645

Midwest Fiber Network, LLC:

Matt Hebel
Vice President, Operations
6070 N. Flint Road
Glendale, WI 53209
Phone: 414.459.3575
Mobile: 414.349.3722
Email: mhebel@midwestfibernetworks.com
Website: midwestfibernetworks.com

Telephone – AT&T (Engineering / Permit Concerns):

Anthony Hoover
17651 Michigan Avenue, Room 201
Dearborn, MI 48126
Phone: 313.240.5498
Email: ah1865@att.com

Telephone – AT&T (R.O.W / Const. Concerns):

Marc Goodell
1700 Cicotte Avenue, Room 111
Lincoln Park, MI 48146
Phone: 313.405.0574
Email: mg6557@att.com

Gas – Consumers Energy:

Chris Schneider
11801 Farmington Road
Livonia, MI 48150
Phone: 734.513.6277
Fax: 734.513.6266
Emergency: 800.477.5050
Email: christopher.schneider@cmsenergy.com

UTILITY CONTACT LIST (UPDATED 9/25/23)

Electric – DTE Energy:

Tracie Duncan
Supervisor – Regional Planning
8001 Haggerty South
Belleville, MI 48111
Phone: 734.394.8662
Email: tracie.duncan@dteenergy.com

Anything Streetlight (other than outages)
Stephanie Sharlow
734.397.4091

ITC – Local Government & Community Affairs:

Erika Davis
27175 Energy Way
Novi, MI 48377
Phone: 248.946.3688
Cell: 248.910.5148
Email: edavis@itctransco.com

Charter Communications (formerly Spectrum):

Eric Lewis
14525 Farmington Road
Livonia, MI 48154
Phone: 248.413.9136
Email: eric.lewis1@charter.com

TURNKEY Network Solutions:

Erica Bennett
Permit Coordinator
7020 Southbelt Drive SE
Caledonia, MI 49316
Phone: 616.455.9840
Fax: 616.455.9845

Fibertech Networks, LLC:

Earl Knab – Project Manager
Renee Guider – Permits & Application
300 Meridian Centre
Rochester, NY 14618
Phone: 585.202.1846
Phone: 585.697.5193
Email: Earl.Knab@fibertech.com
Email: Renee.Guider@fibertech.com

123 Net:

Amanda Griffith
Fiber Permits Manager
24700 Northwestern Hwy, Suite 700
Southfield, MI 48075
Phone: 248.228.8286
Email: Permits@123.net

Comcast Business Communications, LLC:

Dale Kirk – VP of Engineering
41112 Concept Drive
Plymouth, MI 48170
Phone: 248.233.6811
Fax: 248.233-4875
Email: Dale_kirk@cable.comcast.com

McLeodUSA, a Windstream Company:

Dirk Welte
4074 S. Linden
Flint, MI 48507
Phone: 810.691.1035
Email: Dirk.welte@windstream.com

ExteNet Systems, Inc.:

3030 Warrensville Road, Suite 340
Lisle, IL 60532
Phone: 630.505.3800
Fax: 630.505.1332
David Schneider
152 Dansin
Milford Township, MI 48381
Phone: 734.536.3081
Email: dschneider@extenetsystems.com

Verizon Wireless:

David Haslinger
24242 Northwestern Highway
Southfield, MI 48075
Phone: 248.672.9698
Email: david.haslinger@verizonwireless.com

Windstream Communications, Inc.:

Autry L. Meeker – Sr. Analyst
OSP Engineering
11101 Anderson Drive
Little Rock, AR 72212
Phone: 501.748.5234
Email: Autry.meeker@windstream.com

Wow! Internet and Cable:

John Hajec – Construction Engineer
37150 Plymouth Road
Livonia, MI 48150
Phone: 734.237.4319
Fax: 734.237.4608
Email: j_hajec30@wideopenwest.com

Wow! Internet and Cable:

Bruce Roach – Field Contact
32650 N. Avis Dr.
Madison Heights, MI 48071
Phone: 586.453.3553
Fax: 248.677.9021
Email: Bruce.Roach@wowinc.com

CITY OF LIVONIA
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The Contractor shall be aware of other road construction work being done in the City of Livonia. The City's **2024 CONCRETE PAVING PROGRAM** will also be under construction between May and October, 2024. This project includes work on numerous streets within the City. The Contractor shall coordinate the work under this contract with the work being done on these projects.

The Contractor shall also be aware that other projects may be constructed within the City by other agencies or contractors that may impact work under this contract. Projects within the City may include:

2024 Road Repair Program – Concrete – Contract Number – 24-C

RECONSTRUCTION

Street	To	From
Kenwood	30947 Kenwood Ct	Dead End
Navin Ave	Laurel Ave	Gill Rd
Bobrich Ave	Middlebelt Rd	Dead End
Cross Winds Ct	Cross Winds Rd	Dead End
Cross Winds Rd	Six Mile Rd	Dead End
Sunset Blvd	Pickford Ave	Clarita Ave
Munger Ave	30400 Munger Ave	Dead End
Ellen Dr	Five Mile Rd	Roycroft Ave
Comstock Dr	Malloy Dr	Whitcomb Dr
Ladywood Rd	Levan Rd	Woodside Dr
Sherwood Dr	Woodside Dr	Park Ln
Sunnydale Ave	Myrna Ave	Levan Rd
Huff Ave	Five Mile Rd	Lancaster Rd
Richfield Ave	Five Mile Rd	Lancaster Rd
Oakley Ave	Hubbard Rd	32240 Oakley Ave
Lyndon Ave	Harrison Rd	Lyons Ave
Capitol	32432 Capitol	Hubbard
Industrial Ct	Newburgh	End
Laurel (Maint)	Navin	Fargo
Navin (Maint)	Riverside	Laurel

SELECTIVE SLAB

Street	To	From
Navin Ave	Riverside Dr	Laurel Ave
Laurel Ave	Navin Ave	Fargo St
Aspen Dr	Seven Mile Rd	Dead End
Garden Ave	Roycroft Ave	Rayburn Ave
Roycroft Ave	Middlebelt Rd	Garden Ave
Schoolcraft Rd	Newburgh Rd	Yale Ave
Houghton Ave	Richland Ave	Ann Arbor Tr.
Elmira Ave	Levan Ave	Dead End

Construction activities and traffic control measures shall be coordinated with any other projects.

It is the Contractor's responsibility to coordinate his/her efforts with the other projects. Any additional costs incurred by the Contractor resulting from conflict with another project will be considered incidental and will not be paid for.

The Contractor shall not receive a time extension due to work delays resulting from conflicts with another project. Refer to the Proposal for information on the required completion date and associated penalties.

CITY OF LIVONIA
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FOR
MAINTAINING TRAFFIC

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GENERAL ITEMS

The Contractor shall maintain traffic throughout the project in accordance to Section 812 of the 2020 Standard Specifications for Construction, including any Supplemental Specifications, and as specified here.

The Contractor shall notify the Engineer a minimum of 72 business hours prior to the implementation of any detours, road closures, or lane closures or major traffic shifts.

If no specific traffic control plan is included in the log book, traffic on all streets shall be maintained in accordance with the “**Residential Street Typical Traffic Control Detail Sheet**” and “**Residential Street Typical Traffic Control Detail Sheet for Full Closure**” as specified herein, and as noted herein. Changes or adjustments to the details within the log package or traffic control plans may be necessary, as determined by the Engineer.

CONSTRUCTION INFLUENCE AREA (CIA)

The following chart defines the CIA for each street to be constructed within the project. The CIA for each individual street in the chart includes the area within the right-of-way of that particular street from the initial advanced warning sign near the P.O.B. to the initial advanced warning sign near the P.O.E. The CIA shall also include the first 500' of area within the right-of-way of all intersecting streets.

FIX TYPE	SECTION	STREETS
Rehab	15	Bell Creek Ln – Farmington Rd to Six Mile Rd
Rehab	15	Bloomfield Dr – Farmington Rd to Bell Creek Ln
Rehab	16	Edington Rd – Five Mile Rd to Roycroft Ave
Rehab	12	Floral Ave – Lathers Dr to Curtis Ave
Rehab	15	Hubbard Rd - 16360 Hubbard Rd to Six Mile Rd
Reconstruction	7	Laurel Park Dr – Six Mile Rd to 17841 Laurel Park Dr
Rehab	29	Levan Rd – Amrhein Intersection to Eastbound Schoolcraft Rd
Rehab	2	Morlock Ave – Oporto Ave to Melvin Ave
Rehab	16	Rayburn Ave – Stamford St to Whitby St
Rehab	16	Stamford Rd – Roycroft Ave to Rayburn Ave
Rehab	11	Sunset Blvd – Clarita Ave to Seven Mile Rd
Rehab	16	Whitby Rd – Dorais Ave to Hampshire Rd

The Contractor shall coordinate its operations with Contractors performing work on other projects within or adjacent to the Construction Influence Area (CIA) or adjoining areas to avoid conflicts in the maintenance of traffic, construction signing, and to provide for the orderly progress of contract work.

The City of Livonia maintenance crews and/or Contract Maintenance Agencies may perform maintenance work within or adjacent to the Construction Influence Area (CIA). The Maintenance Division of the City of Livonia and/or Contract Maintenance Agency will coordinate their operations with the

Engineer to minimize the interference to the Contractor. No additional payment will be made to the Contractor for the joint use of the traffic control items.

TRAFFIC RESTRICTIONS

General Restrictions:

No work shall be performed on **Memorial Day, May 27th, July 4th, or Labor Day** holiday periods as defined by the Engineer.

No work shall be performed on Sundays, unless otherwise approved by the City's Engineer.

All improvements to streets affecting schools shall be completed between **June 10, 2024** and **August 23, 2024**.

The minimum traveled lane width shall be 10' during the Stage Construction Sequence.

All lane closures shall originate from the same side of the roadway. No conflicting lane closures shall be permitted. The Contractor shall not be permitted to switch from the right lane to left lane and vice-versa unless specifically detailed within this log package.

The Contractor shall maintain safe and reasonable access to all businesses, homes, and streets at all times.

For HMA reconstruction, the Contractor shall sequence the work such that the placement of the aggregate base immediately follows the excavation to the subgrade. The Contractor shall maintain access to all residential driveways at the end of each work day. Maintenance aggregate required to maintain access to drives from subgrade to existing driveways will not be paid separately and shall be included in the cost of station grading.

TRAFFIC CONTROL DEVICES

General

All traffic control devices and their usage shall conform to the Michigan Manual of Uniform Traffic Control Devices (MMUTCD), 2011 version, the 2020 Michigan Department of Transportation Standard Specifications for Construction, and as specified herein.

During construction, access to all businesses and residential drives shall be maintained, unless otherwise noted for a specific drive on the plans. The Contractor may close driveways where a business has multiple access points.

The Contractor shall place W20-1 signs (ROAD WORK AHEAD) on all crossroads within the project limits.

Payment for all equipment, labor, materials and traffic control materials required to cover temporary signs shall be considered to be included in the cost of **Traffic Control, Residential Street**.

Temporary signs, which are to remain in place for 30 days or more, shall be installed on permanent post mounts as directed by the Engineer. All other signs may be installed on portable supports.

When signs or traffic signal heads for this project are to be covered, they shall be covered in accordance with Section 812.03 of the 2020 Standard Specifications for Construction and applicable details therein except as noted above.

All traffic control devices moved to facilitate to Contractor's operation shall be replaced at the end of the workday. The Contractor shall routinely maintain the traffic control devices including, but not limited to proper placement, weighted with sandbags, cleaning for reflectivity, and replacing damaged devices. The Contractor shall be responsible for protecting the work area and shall supply the necessary traffic control devices apart from those called for on the plans to delineate the work area from adjacent property. The Contractor shall store materials and equipment in a location approved by the Engineer.

The Contractor will replace any damaged signs, barrels, and/or barricades as directed by the Engineer.

Temporary Signs

All diamond-shaped warning signs shall be 48" x 48" mounted at a 7' minimum bottom height unless otherwise specified in the details.

All construction signs that are to be left in place overnight shall be fluorescent orange prismatic sheeting per ASTM D 4956 Type VII sign material per section 922 of the 2020 MDOT Standard Specifications for Construction, as directed by the Engineer.

All signs placed shall be of **good quality** as determined by the Engineer. Signs determined by the Engineer to be defective or of poor quality shall be removed and replaced by the Contractor. Failure to remove and replace defective or poor-quality signs shall result in a stoppage of work.

All signs shown on the details or plans shown in the logbook shall be considered in the cost of the pay items **Traffic Control, Residential Street**.

Channelizing Devices

Channelizing devices shall be plastic drums with high intensity sheeting and be of **good quality**. Barricades determined by the Engineer to be defective or of poor quality shall be removed and replaced by the Contractor. No intermixing of different types of channelizing devices will be allowed.

Channelizing Devices shall be placed in accordance with the details included within the log package and the MMUTCD.

Plastic drum spacing shall be as follows: 50 ft on tangents, 25 ft on tapers, and 10 ft on radii, where tighter control is required and as directed by the Engineer.

Type III Barricades shall be 8 feet wide x 5 feet high.

Type III barricades shall be double sided and be of **good quality** as determined by the Engineer. Barricades determined by the Engineer to be defective or of poor quality shall be removed and replaced by the Contractor. Failure to remove and replace defective or poor-quality channelizing devices shall result in stoppage of work.

Temporary Striping

"Type R" temporary pavement markings may be used on this project as directed by the Engineer. Temporary pavement markings shall be placed as shown on the plans or as directed by the Engineer and shall be considered to be included in the cost of **Traffic Control, Residential Street** and **Traffic Control, Full Closure**.

Permanent Pavement Markings

Permanent pavement marking's quantities for Levan Road, Hubbard Road, and Laurel Park Drive are included under this contract. Pavt marking of 4 inch white, 4 inch yellow, crosswalk, stop bar, right turn arrow, and left turn arrow to match existing pavement markings' layout or as directed by engineer. Existing "Only" symbols will be eliminated.

MEASUREMENT AND PAYMENT

The estimate of quantities for maintaining traffic on this project is based on the Suggested Work Schedule, the Residential Street Typical Traffic Control Detail Sheet, specific traffic control plans as noted above, and described in this Special Provision and payment for these devices shall be according to Section 812.04 of the 2020 Standard Specifications for Construction unless otherwise specified.

The estimate of quantities for maintaining traffic on this project is based on the Suggested Work Schedule, the Residential Street Typical Traffic Control Detail Sheet, specific traffic control plans as noted above, and described in this Special Provision and payment for these devices shall be according to Section 812.04 of the 2020 Standard Specifications for Construction unless otherwise specified. If paid, signs must be placed for each street as shown in the details. If signs get eliminated, partial payment or no payment may be allowed. The Engineer may discuss eliminating signing from one or more of the streets if the signing is too dense.

Individual MOT pay items will be paid on Levan Road and Laurel Park Drive N, 6 Mile Road to Laurel Court (#6) per the include MOT plans and as placed or directed by the Engineer.

Traffic Control, Residential Street, which will be paid for separately if additional pavement areas are added in association with the pay item Hand Patching, Special.

Any additional signing or maintaining traffic devices required to expedite the construction shall be at the Contractor's expense. There will be no consideration of payment for any unused traffic control devices.

The traffic control plan installed by the Contractor shall be paid for at the contract unit price for the following contract items:

Contract Item (Pay Item)	Pay Unit
Barricade, Type III, High Intensity, Lighted, Furn	Each
Barricade, Type III, High Intensity, Lighted, Oper	Each
Plastic Drum, High Intensity, Furn	Each
Plastic Drum, High Intensity, Oper.....	Each
Sign, Type B, Temp, Prismatic, Furn.....	Square Feet
Sign, Type B, Temp, Prismatic, Oper	Square Feet
Traffic Control, Residential Street.....	Each

The contract unit price for **Traffic Control, Residential Street** shall include all temporary signing, barricades, channeling devices, temporary pavement markings, flag control, and any additional minor traffic devices necessary per the traffic control detail in the logbook.

If the Engineer considers the traffic control plan as set up per the detail in the logbook to be insufficient, the

Contractor must perform corrective measures to gain the Engineer's approval. The Contractor will receive additional pay for additional items needed to achieve a satisfactory evaluation from the Engineer per individual pay items added to the project. Because of the safety issue with this item of work, the Contractor will not be paid for **Traffic Control, Residential Street** until gaining such approval from the Engineer.

The Contractor will be paid the contract unit price for **Traffic Control, Residential Street** subsequent to completing construction on a street with a traffic control plan approved by the Engineer. The following quantity will be paid for **Traffic Control, Residential Street**. Portions of one "each" may be paid on streets in close proximity to each other.

Log #	Road	From	To	Quantity
1	Bell Creek Ln	Farmington Rd	Six Mile Rd	0.5
2	Bloomfield Dr	Farmington Rd	Bell Creek Ln	0.5
3	Edington Rd	Five Mile Rd	Roycroft Ave	0.5
4	Floral Ave	Lathers Dr	Curtis Ave	1.0
5	Hubbard Rd	16360 Hubbard Rd	Six Mile Rd	1.0
6	Laurel Park	Six Mile Rd	17841 Laurel Park Rd	Items paid separately
7	Levan Rd	CSX RR Tracks	EB Schoolcraft Rd	Items paid separately
8	Morlock Ave	Oporto Ave	Melvin Ave	0.25
9	Rayburn Ave	Stamford St	Whitby St	0.5
10	Stamford St	Roycroft Ave	Rayburn Ave	0.5
11	Sunset Blvd	Clarita Ave	Seven Mile Rd	0.25
12	Whitby Rd	Dorais Ave	Hampshire Rd	0.5

If the Engineer requests additional signing not shown on the typical traffic control detail sheet and detour route for full closure, the additional work will be included in the pay item **Sign, Type B, Temp, Furn** and **Sign, Type B, Temp, Oper**.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
SOIL EROSION AND SEDIMENTATION CONTROL

OHM:mrl

1 OF 4

12/21/2022

a. Description. Soil Erosion and Sedimentation Control (SESC) measures shall be installed per the following: the 2020 MDOT Standard Specifications for Construction, MDOT Standard Plan R-96 Series, as directed by the Engineer, and as specified herein.

The measures for Soil Erosion and Sedimentation Control outlined herein apply for ALL streets. Specific information or additional details for individual streets reside in the typical cross sections and/or the plan sheets.

METHODS

The following describes the proper timing and sequence of construction for SESC measures:

1. Prior to earth stripping, earth excavation, or pavement removal, all temporary (and permanent, if applicable) SESC items must be in place as shown on the plans and/or as directed by the Engineer. Actual construction may vary to reflect materials used and to control site problems, subject to the approval of the Engineer.
2. Refer to "Soil Erosion and Sedimentation Control Typical Detail" sheet for proper placement of SESC items. Once the proper SESC items are in place, it is acceptable to perform pavement removal and/or any earthwork operations. Collected silt and sediment shall be removed periodically, and within 24 hours after rain events to maintain the effectiveness of SESC measures. All temporary SESC measures shall be regularly maintained and/or as directed by the Engineer. The maintenance of the SESC measures is the sole responsibility of the Contractor and shall not be paid for separately.
3. Install storm sewer, if applicable. Construct catch basins and place inlet filters. Place MDOT SESC item #29 for structures within curb and gutter, and place MDOT SESC item #30 for structures within the greenbelt. Install Check Dams immediately after ditching in locations shown in the to "Soil Erosion and Sedimentation Control Typical Detail" sheet or as directed by the Engineer.
4. Construct pavement.
5. Clear all accumulated sediment from sewers, catch basins and pavement areas with frequency. Silt will be temporarily stored in a non-erosive location (as determined by the Engineer) or removed from the site. Payment for this work is included in the SESC items and is as directed by the Engineer.
6. Restore all disturbed areas with "Surface Restoration, Seeding" or "Surface Restoration, Sodding" as called for in the typical cross sections or plan sheets. In areas where ditching is proposed, sod shall be installed within the ditch foreslope, backslope, and ditch bottom immediately following the construction of the ditch. All other final restoration must be completed within five (5) days of final earth grading. If the Engineer determines that restoration cannot be fully established due to seasonal constraints, the Contractor must install temporary restoration measures within five (5) days of final earth grading.
7. Place all remaining permanent SESC items. All permanent SESC measures must be installed on a given roadway prior to moving on to another roadway.

8. Remove temporary erosion and sedimentation control items after permanent vegetation is established.
9. Contractor shall maintain and repair permanent vegetation items until fully established, as directed by the Engineer.
10. Perform "Sweeping" operation as outlined in the special provision. "Sweeping" is considered a part of SESC procedure.

The Contractor shall follow City rules and regulations for Soil Erosion and Sedimentation Control for all materials that are disposed off the project site.

The Engineer will provide certified soil erosion inspector to verify compliance on a weekly basis or within 24 hours of a storm event.

The Contractor shall conduct his operations in such a manner as to minimize the areas left barren during the construction and to disturb only those areas absolutely required for the construction of this project.

STREET-BY-STREET SUMMARY OF SESC PLAN (PER MDEQ RULE 1703)

As mandated by Michigan Department of Environmental Quality (MDEQ) Rule 1703 (R 323.1703), a soil erosion and Sedimentation Control Typical Detail has been prepared for each individual street to be reconstructed (i.e., an earth change). The Contractor shall refer to the "Soil Erosion and Sedimentation Control Typical Detail" sheets and the contents of this special provision for SESC requirements. The following is a street-by-street breakdown that summarizes SESC measures per street and addresses each item required by MDEQ Rule 1703. This breakdown serves as a supplement (additional notes) to the "Soil Erosion and Sedimentation Control Typical Detail" sheets:

RECONSTRUCTION ROADS

Road Name	From	To
Laurel Park Drive N.	6 Mile Road	17841 Laurel Court

REHABILITATION ROADS

Road Name	From	To
Bell Creek	Farmington Rd	Six Mile Rd
Bloomfield Dr	Farmington Rd	Bell Creek Ln
Edington Rd	Five Mile Rd	Roycroft Ave
Floral Ave	Lathers Dr	Curtis Ave
Hubbard Rd	16360 Hubbard Rd	Six Mile Rd
Levan Rd	Amrhein Intersection	Schoolcraft Rd
Morlock Ave	Oporto Ave	Melvin Ave
Rayburn Ave	Stamford St	Whitby St

Stamford St	Roycroft Ave	Rayburn Ave
Sunset Blvd	Clarita Ave	Seven Mile Rd
Whitby Rd	Dorais Ave	Hampshire Rd

(a.) The work on these streets may involve cold milling of pavement and the full-depth removal and replacement of existing pavement for pavement patches only or pulverization of the entire roadway. There are no lakes or streams within 500 feet of earth change except Hubbard.

(b.) Refer to the soil borings in "Appendix A" for existing soil material.

(c.) The following describes the proposed earth change:

(i.) The earth behind the edge of metal or back of curb shall have minimal disturbance. In these locations, the proposed grading limits shall be 5 feet maximum beyond the back of curb. All disturbed earth shall be restored with "Surface Restoration, Seeding". See the special provision for "Surface Restoration" for detailed information for this item

(ii.) The location of the existing grass ditch is noted on the "Soil Erosion and Sedimentation Control Typical Detail" sheet. The existing ditch shall not be disturbed.

(iii.) Refer to the "METHODS" portion of this special provision for the timing and sequence of the proposed earth change.

(iv.) & (v.) Refer to the "METHODS" portion of this special provision and the "Soil Erosion and Sedimentation Control Typical Detail" sheet for the location/description for installing/removing temporary and permanent SESC measures.

(vi.) After completion of the project, the property owner is responsible for maintenance of permanent SESC measures.

Pay Items

Pay Unit

Erosion Control, Inlet Protection, Fabric Drop.....	Each
Erosion Control, Inlet Protection, Geotextile and Stone	Each
Erosion Control, Silt Fence	Foot
Surface Restoration, Sodding.....	Square Yard
Surface Restoration, Seeding.....	Square Yard

Payment for SESC Measures shall be measured and paid for as specified above and shall be considered payment in full for labor, materials, and equipment required to complete this work.

No additional payment shall be permitted for either maintenance or removal of temporary erosion control items.

Erosion Control, Inlet Protection, Geotextile and Stone shall be placed on/ under the existing drainage structures (inlets) cover, during the time of construction & removed after the construction phase per MDOT Standard Detail R-96 Series and as directed by the Engineer. Placing, maintenance, and removal of inlet protection are included in the pay item **Erosion Control, Inlet Protection, Geotextile and Stone**.

Erosion Control, Inlet Protection, Fabric Drop shall be placed around the existing drainage

structures (inlets) cover, during the time of construction & removed after the construction phase per MDOT Standard Detail R-96 Series and as directed by the Engineer. Placing, maintenance, and removal of inlet protection is included in the pay item **Erosion Control, Inlet Protection, Fabric Drop**.

Erosion Control, Silt Fence shall be placed in ditches or along construction during the time of construction & removed after sufficient vegetation has taken root per MDOT Standard Detail R-96 Series and as directed by the Engineer. Placing, maintenance, and removal of silt fence is included in the pay item **Erosion Control, Silt Fence**.

Refer to Special Provision for **Surface Restoration, Sodding** and **Surface Restoration, Seeding**, respectively.

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
**NON-COMPLIANCE WITH SOIL EROSION AND SEDIMENTATION CONTROL
REQUIREMENTS**

C&T:DMG

1 of 2

C&T:APPR:JAR:TWK:08-02-06
FHWA:APPR:08-11-06

a. Description. This special provision establishes negative adjustments related to the failure to properly install and maintain soil erosion and sedimentation control (SESC) measures and the conditions under which these adjustments will be determined and applied. Nothing in this special provision modifies section 107 of the Standard Specifications for Construction,

Delays to the project as a result of the Contractor conducting corrective actions for SESC do not constitute a valid reason for an extension of time.

Deficiencies with SESC measures must be corrected in the time frame stated herein. For those deficiencies not corrected within the stated time frame, the Engineer will make a negative adjustment to the contract as stated herein.

b. Construction. The Contractor must install all temporary erosion control measures identified on the plans and as directed by the Engineer for an impacted area of the project prior to the start of any earth disturbance including, but not limited to, clearing, grading and excavation in that area. The Engineer will inspect these measures every seven days and within 24 hours of precipitation events which result in off-site runoff. Deficiencies will be documented on the National Pollutant Discharge Elimination System (NPDES) Inspection Report (Form 1126).

If at any time during the project, including the time during the seasonal suspension, the Engineer documents deficient SESC measures, the Engineer will provide written notification with instructions for corrective action to the Contractor. The time frame for completion of these corrective actions will be specified in the notification and will be discussed with the Contractor as necessary.

Deficiencies are defined as one or more of the following:

1. failure to install or construct SESC measures shown on the plans or as directed by the Engineer;
2. failure to maintain the measures;
3. failure to conduct earth change activities in a manner consistent with all applicable environmental permit requirements;
4. failure to comply with the time limitations or the area limitations stated in subsections 208.03.B and 208.03.C, respectively, of the Standard Specifications for Construction.

SESC deficiencies are either emergency or non-emergency and the time frame for corrective action is determined accordingly. Sedimentation of a drainage structure or waters of the state or loss of support of the roadbed impacting public safety constitutes an emergency and corrective

actions must be completed within 24 hours of notification. Non-emergency deficiencies must be corrected within five calendar days of notification.

For those emergency corrective actions not completed within 24 hours of notification, the Contractor will be assessed \$100.00 per hour for every hour the deficiency remains uncorrected after the initial 24 hours of notification. For those non-emergency corrective actions not completed within five calendar days, the Contractor will be assessed \$500.00 per day for every day the deficiency remains uncorrected after the initial five days of notification.

If it is not practicable to complete the non-emergency corrective actions within five calendar days, the Contractor must document the reasons and propose a corrective action plan to the Engineer within five days of notification. The corrective action plan must contain the Contractor's course of action and a time frame for completion. If the reasons and the corrective action plan are acceptable to the Engineer, the Contractor will be allowed to proceed with the plan as proposed without incurring a negative adjustment. If the approved corrective action plan is not completed as proposed, the Contractor will be assessed \$1,000.00 per calendar day for every day the deficiency remains uncorrected after the time frame is exceeded in the approved corrective action plan.

The Contractor is required to correct, in the timeframe stated herein, all other emergency or non-emergency SESC deficiencies documented anywhere else on the project during completion of the approved corrective action plan.

c. Measurement and Payment. The Engineer will make the necessary monetary adjustment to the contract amount based on the length of time the Contractor allows the deficiencies to remain uncorrected after the time allowance stated herein and as described to cover any costs incurred by the department as a result of SESC violations.

All costs associated with corrective actions required due to the Contractor's failure to properly install or maintain soil erosion and sedimentation control measures on this project will be borne by the Contractor.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
PERMIT REQUIREMENTS

OHM/mrl

Page 1 of 1

01/29/24

a. Description. This special provision describes the way the reimbursement for permit fees in Section 107 of the 2020 MDOT Standard Specifications for Construction will be paid.

The following permits are required to be obtained by the contractor. The contractor shall fulfill all obligations and post all monies, insurance etc. as part of the approved application.

Wayne County ROW Permit:

- Construction Signing Permit - This permit covers the inspection for WCDPS for any temporary signs placed in the County ROW. The fee portion of this permit will be reimbursed under the Reimbursed Permit Fees pay item.
- MDOT Signing Permit – This permit is for placing plastic drums and temporary and permanent pavement markings on the Levan Bridge over I-96. This is a no cost permit that has been applied for by the owner.

b. Measurement and Payment. All permit fees, as described in Section 107 of the Standard Specifications for Construction, will be paid for using the following pay item:

<u>Pay Item</u>	<u>Pay Unit</u>
Reimbursed Permit Fees.....	Dollar

Reimbursed Permit Fees includes the reimbursement for the eligible permit fees with supporting receipts or other proof of payment documentation from the contractor.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
DUST CONTROL

OHM: mrl

1 OF 1

12/18/2018

a. Description. This work shall be done in accordance with Section 107 of the 2020 Michigan Department of Transportation Standard Specifications for Construction, the details shown in the contract documents, and as herein provided.

b. Construction. Dust Control shall be the continuous responsibility of the Contractor until final road treatment is completed and the roads have been accepted by the City of Livonia for maintenance.

All haul roads, detour roads, temporary access roads, other public or private roads, driveways, and parking lots used by the Contractor must be maintained in a dust-free condition for the duration of the contract. The control of the dust shall be accomplished by application of dust control materials and methods of application as approved and as directed by the Engineer. Such dust control measures shall be applied as often as is necessary to control dust. The Contractor shall note that due to the location of the project, neglect of dust control will not be tolerated.

In the event that dust control measures are deemed unacceptable by the Engineer, the Contractor shall receive written notification from the Engineer and shall have 24 hours to comply with this special provision. Failure by the Contractor to provide adequate dust control shall be sufficient reason for the City of Livonia to cause such necessary dust control measures to be taken and back charge all costs for same against monies due to the Contractor.

c. Measure and Payment. Cost of providing dust control shall not be paid for separately, but shall be considered included in the Maintaining Traffic pay items.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
SWEEPING

OHM: mrl
12/18/2018

1 OF 1

a. Description. The work shall consist of sweeping pavements in the construction area, including service roads, paved shoulders, widened areas, and cross streets, as directed by the Engineer.

b. Materials. The sweeper shall be a self-propelled or towed street sweeper equipped with pickup attachments (vacuum) and curb brushes. A “blower” is not acceptable.

c. Construction. Paved surfaces shall be swept as often as necessary to maintain traffic as directed by the Engineer. Paved surfaces shall also be swept on the day of HMA paving. The Engineer may require additional sweeping if excess sediment exists on the roadway prior to HMA paving.

Paved roadbeds shall be given a final cleaning within 5 working days prior to opening the pavement surface to traffic or notification by the contractor that the work is completed, whichever occurs first.

d. Measurement and Payment. The work of sweeping shall not be paid for separately, but shall be considered incidental to the project.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
TREE ROOT GRIND

OHM: mrl

1 OF 1

01/09/2023

a. Description. This work shall consist of grinding the roots of trees that are causing damage to the pavement section to a distance of 2 feet behind the edge of pavement as directed by the Engineer. The work in this Section shall be in accordance with the applicable portions of Section 202 of the Michigan Department of Transportation 2020 Standard Specifications for Construction. This Section shall include removal and disposal of the tree root material.

b. Measurement and Payment. The completed work as measured for **Tree Root Grind** will be paid for at the contract unit price for the following contract item (pay item).

Pay Item

Pay Unit

Tree Root GrindEach

Measurement and payment for **Tree Root Grind** shall be in accordance with the applicable portions of Section 202 of the Standard Specifications, Clearing.

Tree Root Grind shall be measured per tree and shall comprise all roots associated with that tree to be ground and disposed of properly. The pay item shall include all labor, materials, and equipment required to perform the work as listed above.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
PAVT, REM, MODIFIED

OHM: mrl

1 of 1

01/09/2023

a. Description. The work to remove the existing pavement as shown on the plans shall be done in accordance with Section 204, Removing Miscellaneous Structures and Materials, of the 2020 Michigan Department of Transportation Standard Specifications for Construction except as modified herein.

b. Materials and Construction Methods. Pavg, Rem, Modified shall include removing all existing concrete roadway and HMA or concrete driveway pavements regardless of depth or various types of materials as shown on the plans in accordance with Sections 204.02 and 204.03 of the 2020 Michigan Department of Transportation Standard Specifications for Construction, and as directed by the Engineer. HMA roadway removal shall be paid as **HMA Surface, Rem.**

c. Measurement and Payment. The completed work for **Pavg, Rem, Modified** will be paid for at the contract unit price for the following:

Contract Item (Pay Item)	Pay Unit
Pavg, Rem, Modified.....	Square Yard

Pavg, Rem, Modified will be measured regardless of depth or material in its original position by the unit square yard and paid for at the contract unit price per square yard, which price shall be payment in full for all labor, materials, and equipment needed to accomplish this work. Payment for this contract item includes demolishing and removing, sawing where required, and disposing of materials. Backfilling all excavated areas or holes, within and below the subgrade surface limit, resulting from removal of the existing pavement will be included in **Station Grading_2** unless otherwise directed by the Engineer. Payment for earthwork for driveways on roads that are not being reconstructed (ie. Where no Station Grading pay item is included) shall be included in the cost of the driveway pay items.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
OVERBURDING REMOVAL

OHM: MRL

1 OF 1

12/19/2023

a. Description. Work consists of removal overburden behind top of the curb to ensure water runoff flow into roadway. Perform work in accordance with Section 205 of the 2020 Michigan Department of Transportation Standard Specifications for Construction except as herein provided.

b. Construction. The work shall consist of removing earth by excavating soil or rock as necessary to develop the cross-section shown on the details. The work shall include the salvaging and stockpiling of selected materials, disposing of surplus or unsuitable material, furnishing and placing embankment materials, trimming the earth grade, and maintaining the work in a finished condition until acceptance.

If the change in slope creates a low point in the driveway, whether at the tie-in point between the sidewalk or at the sidewalk (if sidewalk is present), then the described swale basin shall be placed.

c. Measurement and Payment. The completed work as measured along the construction centerline shall include the entire grading limits on both sides of the road and will be paid for at the contract unit prices for the following contract items (pay items):

<u>Pay Item</u>	<u>Pay Unit</u>
Overburding Removal	Station

Overburding Removal will be paid only when the Engineer agrees that a Overburding Removal is required. All other grading work required on streets shall be included in the pay item Surface Restoration, Seeding.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
DITCHING

OHM: mrl

1 OF 2

01/09/2023

a. Description. This work shall be done in accordance with Section 205 of the 2020 Michigan Department of Transportation Standard Specifications for Construction except as herein provided.

b. Construction. The work of **Ditching** shall consist of constructing earth grades by excavating soil or rock and placing embankments or fills as necessary to develop the cross-section shown on the details. The work shall include the salvaging and stockpiling of selected materials, disposing of surplus or unsuitable material, furnishing and placing embankment materials, trimming the earth grade, and maintaining the work in a finished condition until acceptance.

Grading may be required from the edge of the roadway to back of ditch to flatten or create slopes on roadways where Station Grading is not being paid. This excavation will be included in the payment for **Ditching**.

All suitable excavated material can be used to construct embankments (fill), backfill muckholes, or flatten slopes as directed by the Engineer.

All surplus excavated and unsuitable or waste material not able to be incorporated into the project shall become the property of and shall be disposed of by the Contractor. The Contractor shall follow federal, state and local regulations in the disposal of surplus materials.

All natural soil left in place in cut sections shall be compacted to not less than 95% of maximum unit weight.

Ditching shall include all required excavation and embankment, in addition to the following items of work:

1. Removing trees and vegetation smaller than 3 inches in diameter within the ditch limits.
2. Removal of all other items in the ditch line that requires modification, which are identified as incidental and/or for which no other contract item applies.
3. Grading, topsoil striping and removal, excavation, disposal of unsuitable subgrade material, and embankment.
4. Ditching necessary to convey road drainage if existing drainage disrupted by construction activities.

c. **Measurement and Payment.** The completed work for **Ditching** will be paid for at the contract unit prices for the following contract items (pay items):

Pay Item

Pay Unit

Ditching Station

Ditching will be measured in place by the station as measured along the centerline of the ditch, which price shall be payment in full for all labor, materials and equipment needed to accomplish this work. **Ditching** shall be measured for each side of the road which the ditch applies.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
DITCH CLEANOUT

OHM: mrl

1 OF 2

01/09/2023

a. Description. This work shall be done in accordance with Section 205 of the 2020 Michigan Department of Transportation Standard Specifications for Construction except as herein provided.

b. Construction. The work of **Ditch Cleanout** shall consist of constructing earth grades by excavating soil or rock and placing embankments or fills as necessary to develop the cross-section shown on the details. The work shall include the salvaging and stockpiling of selected materials, disposing of surplus or unsuitable material, furnishing and placing embankment materials, trimming the earth grade, and maintaining the work in a finished condition until acceptance.

Grading may be required from the edge of the roadway to back of ditch to flatten or create slopes on roadways where Station Grading is not being paid. This excavation will be included in the payment for **Ditch Cleanout**.

All suitable excavated material can be used to construct embankments (fill), backfill muckholes, or flatten slopes as directed by the Engineer.

All surplus excavated and unsuitable or waste material not able to be incorporated into the project shall become the property of and shall be disposed of by the Contractor. The Contractor shall follow federal, state and local regulations in the disposal of surplus materials.

All natural soil left in place in cut sections shall be compacted to not less than 95% of maximum unit weight.

Ditch Cleanout shall include all required excavation and embankment, in addition to the following items of work:

1. Removing trees and vegetation smaller than 3 inches in diameter within the ditch limits.
2. Removal of all other items in the ditch line that requires modification, which are identified as incidental and/or for which no other contract item applies.
3. Grading, topsoil striping and removal, excavation, disposal of unsuitable subgrade material, and embankment.
4. Ditching necessary to convey road drainage if existing drainage disrupted by construction activities.

c. **Measurement and Payment.** The completed work for **Ditch Cleanout** will be paid for at the contract unit prices for the following contract items (pay items):

Pay Item

Pay Unit

Ditch Cleanout Station

Ditch Cleanout will be measured in place by the station as measured along the centerline of the ditch, which price shall be payment in full for all labor, materials and equipment needed to accomplish this work. **Ditch Cleanout** shall be measured for each side of the road which the ditch applies.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
DRIVEWAY SWALE EXCAVATION

OHM: MRL

1 OF 1

1/9/2023

a. Description. Work consists of grading shallow basin adjacent to one side of existing driveways to ensure water runoff does not collect on the driveway pavement. Perform work in accordance with Section 205 of the 2020 Michigan Department of Transportation Standard Specifications for Construction except as herein provided.

b. Construction. The work of Driveway Swale Excavation requires earth excavation of no greater than one foot in depth with side slopes of 1 on 6 or flatter. This swale basin shall be placed to ensure water does not collect on the driveways and will be predominantly used on crush and shape streets when driveways are required to be reconstructed. If the change in slope of the driveway creates a low point in the driveway, whether at the tie-in point between the sidewalk or at the sidewalk (if sidewalk is present), then the described swale basin shall be placed. Complete the work as shown on the driveway detail or as instructed by the Engineer. Work includes excavating the ground in a circular pattern and flat slopes on all sides, disposing of surplus or unsuitable material, furnishing and placing embankment materials, trimming the earth grade, and maintaining the work in a finished condition until acceptance.

All natural soil left in place in cut sections shall be compacted to not less than 95% of maximum unit weight.

c. Measurement and Payment. The completed work as measured along the construction centerline shall include the entire grading limits on both sides of the road and will be paid for at the contract unit prices for the following contract items (pay items):

Pay Item

Pay Unit

Driveway Swale ExcavationEach

Driveway Swale Excavation will be paid only when the Engineer agrees that a Driveway Swale is required. All other grading work required on pulverized streets shall be included in the pay item HMA Base Crushing and Shaping, Modified.

All other driveway grading Earthwork and grading for driveway approaches shall be included in the cost of the proposed driveway material.

Restoration shall be paid separately as Surface Restoration, Seeding.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
STATION GRADING_1

OHM: MRL

1 OF 2

01/10/2023

a. Description. This work shall be done in accordance with Section 205 of the 2020 Michigan Department of Transportation Standard Specifications for Construction except as herein provided.

This pay item, Station Grading_1, is meant to be used in reconstruction portions of Livonia Paving Project, which includes Hubbard Rd and Laurel Park Drive, all which will involve required grading work, as described below, to accommodate 6"- 8" of aggregate base under the proposed HMA. The aggregate base will be paid separately as "_Aggregate Base, __ inch, Modified"

b. Construction. The work of Station Grading shall consist of constructing earth grades by excavating soil or rock and placing embankments or fills as necessary to develop the cross-section shown on the details. The work shall include the salvaging and stockpiling of selected materials, disposing of surplus or unsuitable material, furnishing and placing embankment materials, trimming the earth grade, and maintaining the work in a finished condition until acceptance.

Grading may be required to flatten or create slopes beyond the shoulder. This excavation will be included in the payment for Station Grading_1.

All suitable excavated material from the project, including undercut and sewer trench excavation, can be used to construct embankments (fill), backfill muckholes, or flatten slopes as directed by the Engineer.

All surplus excavated and unsuitable or waste material not able to be incorporated into the project shall become the property of and shall be disposed of by the Contractor. The Contractor shall follow federal, state and local regulations in the disposal of surplus materials.

After the subgrade has been excavated to the appropriate grade and the underdrains are in place, the engineer will inspect the grade. The Engineer will be given up to one week to allow the grade to dry out before making a decision on stabilization methods.

All natural soil left in place in cut sections shall be compacted to not less than 95% of maximum unit weight.

Station Grading_1 shall include all required excavation and embankment within the grading limits as shown on the plans. In addition to the items as specified in the Standard Specifications for Construction, the following items are included:

1. Removing trees and vegetation smaller than 8" in diameter.
2. Removal of all other items, which are identified as incidental and/or for which no other contract item applies.
3. Removal and Salvage of lamp pole, bases, street lighting boxes, brick mailboxes, street lighting conduit, ornamental rocks, rock retaining walls, landscaping timbers, and fences. (These items shall be stock piled within the ROW but outside of the

grading limits at the location where the items are removed). If the property owner does not want to keep the salvaged materials, then the Contractor assumes property of the salvaged materials.

4. Grading, topsoil striping and removal, excavation, disposal of unsuitable subgrade material, and embankment for those roads that are to be reconstructed.
5. Adjusting water shutoffs.
6. Unless otherwise noted, ditching necessary to convey road drainage.

c. Measurement and Payment. The completed work as measured along the construction centerline shall include the entire grading limits on both sides of the road and will be paid for at the contract unit prices for the following contract items (pay items):

Pay Item

Pay Unit

Station Grading_1 Station

Station Grading_1 will only be measured along reconstructed streets. All grading on pulverized streets shall be included in the pay item HMA Base Crushing and Shaping, Modified.

Earthwork and grading for driveway approaches shall be included in the cost of the proposed driveway material, and shall not be included in Station Grading_1.

Station Grading_1 shall not be measured along any side streets or driveway approaches.

Station Grading_1 shall be measured along the centerline on the following streets at the following locations:

No.	Street	P.O.B.	P.O.E.	Stations
5	Hubbard Rd	17+95	36+00	18.05
6	Laurel Park Dr	0+00	18+65	18.65
Total				36.70

CITY OF LIVONIA
SPECIAL PROVISION
FOR
STATION GRADING_2

OHM: MRL

1 OF 2

01/09/2023

a. Description. This work shall be done in accordance with Section 205 of the 2020 Michigan Department of Transportation Standard Specifications for Construction except as herein provided.

This pay item, Station Grading_2, is meant to be used in the inlay portions of Livonia Paving Project, which will involve required grading work, as described below, after removing pavement, including regrading subgrade. If aggregate material is required, will be paid separately as “_Aggregate Base, Modified”

b. Construction. The work of Station Grading shall consist of constructing earth grades by excavating soil or rock as necessary to develop the cross-section shown on the details. The work shall include the salvaging and stockpiling of selected materials, disposing of surplus or unsuitable material, furnishing and placing embankment materials, trimming the earth grade, and maintaining the work in a finished condition until acceptance.

Grading may be required to flatten or create slopes beyond the shoulder. This excavation will be included in the payment for Station Grading_2.

All suitable excavated material from the project, including undercut and sewer trench excavation, can be used to construct embankments (fill), backfill muckholes, or flatten slopes as directed by the Engineer.

All surplus excavated and unsuitable or waste material not able to be incorporated into the project shall become the property of and shall be disposed of by the Contractor. The Contractor shall follow federal, state and local regulations in the disposal of surplus materials.

After the subgrade has been excavated to the appropriate grade and the underdrains are in place as required on the plans, the engineer will inspect the grade. The Engineer will be given up to one week to allow the grade to dry out before making a decision on stabilization methods.

All natural soil left in place in cut sections shall be compacted to not less than 95% of maximum unit weight.

Station Grading shall include all required excavation and embankment within the grading limits as shown on the plans. In addition to the items as specified in the Standard Specifications for Construction, the following items are included:

1. Removal of all other items, which are identified as incidental and/or for which no other contract item applies.
2. Grading, topsoil striping and removal, excavation, disposal of unsuitable subgrade material, and embankment for those roads that are to be reconstructed.

c. Measurement and Payment. The completed work as measured along the construction centerline shall include the entire grading limits on both sides of the road and will be paid for at the contract unit prices for the following contract items (pay items):

Pay Item**Pay Unit**

Station Grading_2 Station

Station Grading_2 will only be measured along the inlay portions of paving project streets. All grading on pulverized streets shall be included in the pay item HMA Base Crushing and Shaping, Modified.

Earthwork and grading for driveway approaches shall be included in the cost of the proposed driveway material, and shall not be included in Station Grading_2.

Station Grading_2 shall not be measured along driveway approaches.

Station Grading_2 shall be measured along the centerline on the following streets at the following locations:

No.	Street	P.O.B.	P.O.E.	Stations
1	Bell Creek Ave	0+00	25+40	25.40
2	Bloomfield Dr	0+00	8+59	8.59
4	Floral Ave	0+00	18+70	18.70
Total				52.69

CITY OF LIVONIA
SPECIAL PROVISION
FOR
SUBGRADE UNDERCUTTING, TYPE II, MODIFIED

OHM: mrl

1 of 1

1/9/2023

a. Description. This work shall be done in accordance with Section 205 of the 2020 Michigan Department of Transportation (MDOT) Standard Specifications for Construction.

b. Materials. Subgrade Undercutting, Type II, Modified shall be done in accordance with the standard 2020 MDOT item "Subgrade Undercutting, Type II", with the exception that the backfill material shall be included in **Subgrade Undercutting, Type II, Modified**. This backfill material shall meet the 21AA gradation. The Engineer will determine the need for **Subgrade Undercutting, Type II, Modified** vs. **Subgrade Undercutting, Type II, Special**.

c. Construction Methods. For reconstructed streets, **Subgrade Undercutting, Type II, Modified** shall be performed on poor subgrade underneath the proposed aggregate base, as deemed necessary by the Engineer. The material shall be compacted in lifts not exceeding 10 inches. The material shall be compacted to a minimum of 95% of the maximum dry density of the material based on the Modified Proctor (ASTM D1557)

d. Measurement and Payment. When provided, **Subgrade Undercutting, Type II, Modified** shall be measured in cubic yards (Cyd) compacted in-place based on the lines and dimensions called for on the plans or as directed by the Engineer. The completed work shall be paid for at the contract unit price for the following contract pay item:

Contract Item (Pay Item)	Pay Unit
Subgrade Undercutting, Type II, Modified	Cubic Yard

CITY OF LIVONIA
SPECIAL PROVISION
FOR
SUBGRADE UNDERCUTTING, TYPE II, SPECIAL

OHM: mrl

1 of 1

1/9/2023

a. Description. This work shall be done in accordance with Section 205 of the 2020 Michigan Department of Transportation (MDOT) Standard Specifications for Construction.

b. Materials. Subgrade Undercutting, Type II, Special shall be done in accordance with the standard 2020 MDOT item "Subgrade Undercutting, Type II", with the exception that the backfill material shall be included in **Subgrade Undercutting, Type II, Special**. This backfill material shall be 1" x 3" stone/crushed concrete. The Engineer will determine the need for **Subgrade Undercutting, Type II, Special** vs. **Subgrade Undercutting, Type II, Modified**.

If the contractor decides to use crushed concrete, it shall be free of any and all steel and deleterious materials.

c. Construction Methods. For reconstructed streets, **Subgrade Undercutting, Type II, Special** shall be performed on poor subgrade underneath the proposed aggregate base, as deemed necessary by the Engineer. The material shall be compacted in lifts not exceeding 10 inches. The material shall be compacted to a minimum of 95% of the maximum dry density of the material based on the Modified Proctor (ASTM D1557).

d. Measurement and Payment. When provided, **Subgrade Undercutting, Type II, Special** shall be measured in cubic yards (Cyd) compacted in-place based on the lines and dimensions called for on the plans or as directed by the Engineer. The completed work shall be paid for at the contract unit price for the following contract pay item:

Contract Item (Pay Item)	Pay Unit
Subgrade Undercutting, Type II, Special	Cubic Yard

CITY OF LIVONIA
SPECIAL PROVISION
FOR
AGGREGATE BASE COURSES

OHM: mrl

1 of 2

1/9/2023

a. Description. This work shall be done in accordance with Section 302, Aggregate Base Courses, of the Michigan Department of Transportation 2020 Standard Specifications for Construction except as herein provided.

Aggregate Base, Modified shall be used when it is determined by the Engineer that the existing aggregate base material does not require complete removal and replacement. **Aggregate Base, Modified** shall be used to shape the finished surface of the existing aggregate base course to the required grade and cross section.

b. Materials. Dense-Graded Aggregate material for **Aggregate Base, Modified, and Aggregate Base, _ inch, Modified** shall meet the requirements specified in Section 902, Table 902-1 and 902-2 except that the material shall be 21AA aggregate. No Plastic fines shall be allowed.

c. Procedure. The six-inch maximum layer restriction in section 302 of the Standard Specifications for Construction has been deleted. Construct a test strip at the start of base work. Compact all layers to a uniform depth of not more than 10 inches ($\pm \frac{3}{4}$ inch). If the total plan base thickness exceeds 10 inches, construct the base in layers of equal thickness. The compaction specifications are revised as follows: The compaction specification shall be a minimum of 95 percent of the maximum dry density of the material based on the Modified Proctor (ASTM D1557) under hot mix asphalt pavement and concrete pavement. Secure the Engineer's approval for the method of placement and compaction before continuing.

If the acceptable method is substantially modified, the Engineer may require another test strip to confirm compliance with the specification. The Engineer may remove a portion later when conducting density testing to assure the compaction requirements are being met full-depth.

d. Measurement and Payment. The completed work as measured for AGGREGATE BASE COURSES will be paid for at the contract unit price for the following contract items (Pay Items).

Contract Item (Pay Item)	Pay Unit
Aggregate Base, Modified	Ton
Aggregate Base, _ inch, Modified	Square Yard

Payment for Aggregate Base Courses will be measured and paid for by the ton or square yard, as specified above, which will be considered as payment in full for labor, materials, and equipment needed to accomplish this work. A geotextile separator shall be included in the pay item Aggregate Base, Modified, and Aggregate Base, _ inch, Modified if crushed concrete is used as a base material. Crushed concrete used should meet MDOT's frequently used specification 03SP205(B) "Crushed Concrete".

Aggregate Base, Modified shall be the method of payment for maintenance aggregate as

required. It shall be used as directed by the Engineer.

Please refer to Section 11, "Award of Contract" in the Instruction to Bidders for additional bidding information for the above mentioned pay items.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
ADJUSTING SANITARY STRUCTURE COVER

OHM: mrl

1 of 1

1/9/2023

a. Description. This work shall consist of adjusting the existing sanitary structure cover to the proper elevation by removing the casting, salvaging the existing casting or placing a new casting per the direction of the Engineer, and setting it to the proper elevation. Any castings damaged by the Contractor's actions shall be replaced at the Contractor's expense. This work shall be done in accordance with Section 403 of the 2020 MDOT Standard Specifications for Construction and any details included within the contract documents.

b. Measurement and Payment. The completed work as measured for ADJUSTING SANITARY STRUCTURE COVER will be paid for at the contract unit price for the following contract item(s) (pay item(s)).

Contract Item (Pay Item)	Pay Unit
Sanitary Structure Cover, Adj, Case 1	Each
Sanitary Structure Cover, Adj, Case 2	Each
Sanitary Structure Cover, Adj, Add Depth	Foot

Measurement and payment for ADJUSTING SANITARY STRUCTURE COVER shall be in accordance with the applicable portions of Section 403 of the MDOT Standard Specifications, Drainage Structure. Any existing casting to be replaced with a new casting, if directed by the Engineer **AND** is not the result of Contractor's actions, shall be paid for as **Dr Structure Cover**.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
UNDERDRAIN, SUBGRADE, 6 INCH, MODIFIED

OHM: mrl
1/9/2023

1 of 1

a. Description. This work shall be done in accordance with Section 404 of the Michigan Department of Transportation 2020 Standard Specifications for Construction except as herein provided.

b. Materials. Backfill material within the underdrain trench shall be MDOT Class I Granular Material in accordance with Section 902 of the Michigan Department of Transportation 2020 Standard Specifications for Construction.

The underdrain pipe shall be slotted or perforated and wrapped with geotextile. The underdrain pipe material shall be smooth interior wall corrugated polyethylene pipe, designated as AASHTO Type "S" (N-12) or an approved equal as determined by the Engineer. Perforations will be uniformly spaced holes having nominal diameters of not less than 3/16 inch nor greater than 3/8 inch and at such spacing as to provide a minimum inlet area of 3.5 square inches per linear foot of pipe. The City of Livonia does **NOT** accept the flexible, corrugated, thin wall polyethylene underdrain pipe.

c. Measurement and Payment. The completed work as measured for **Underdrain, Subgrade, 6 inch, Modified** will be paid for at the contract unit price for the following contract items (pay items).

Contract Item (Pay Item)

Pay Unit

Underdrain, Subgrade, 6 inch, ModifiedFoot

Payment for **Underdrain, Subgrade, 6 inch, Modified** will be measured and paid for by the foot, which shall be considered as payment in full for labor, materials, and equipment needed to accomplish this work. Underdrain, Outlet, 6", Underdrain, Outlet Ending, 6", and any structure tapping to connect underdrain shall be incidental to construction of the underdrain and shall be considered included in payment for **Underdrain, Subgrade, 6 inch, Modified**.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
MARSHALL HOT MIX ASPHALT MIXTURE

LIVONIA: KM

1 of 7

12/18/2018

a. Description. Furnish hot mix asphalt mixture, designed using Marshall Mixture Design Methods, according to the requirements of the MDOT Standard Specifications for Construction except as modified by this special provision.

b. Mix Design. The Contractor shall submit the mix designs to the City Engineer or representative 2 weeks prior to production for evaluation according to MDOT's Hot Mix Asphalt Procedures Manual and this Special Provision. Use a 50 blow Marshall hammer when compacting mixtures for the development of the Marshall mix designs.

c. Recycled Asphalt Pavement (RAP). The contractor may substitute Reclaimed Pavement (RAP) for a portion of the new materials required to produce the HMA mixture. The mix will be limited to a maximum of 10.0% and 30.0% use of RAP when used for the wearing course and underlying course respectively. The underlying course is defined as any course placed below the wearing course. The mixture will be designed and produced to meet all the criteria herein.

d. Materials. Table 1 provides the mix design criteria and production requirements and Table 2 provides the required aggregate properties for the mix design criteria and production. The Contractor is to use aggregates of the highest quality available to meet the minimum specifications.

TABLE 1: Master Range for Mixture & Production Requirements

PARAMETER	Mixture No.
	13A
Air Void, %	3.0- 5.0
VMA (min) (a)	14.0 *
VFA	65-82
Fines to Binder Ratio (max) (b)	1.2
Flow (0.01 inch)	8-16
Stability (min), lbs	900
(a) VMA calculated using Gsb of the combined aggregates. (b) Ratio of the weight of aggregate passing the No. 200 sieve to total asphalt binder content by weight; including fines and binder contributed by RAP. * VMA min will be 14.50 when used as a wearing course.	

TABLE 2: Master Range for Aggregate Properties

PARAMETER	Mixture No.
	13A
1 ½ inch	-
1 inch	-
¾ inch	100
½ inch	75-95
3/8 inch	60-90
No.4	45-80
No. 8	30-65
No. 16	20-50
No. 30	15-40
No. 50	10-25
No. 100	5-15
No. 200	3-6
Crushed (min), % (MTM 117)	60
Soft Particle (max), % (a)	4.0
Angularity Index (min) (b)	3.0
L.A. Abrasion (max), % loss (c)	40
Sand Ratio (d)	50
(a) The sum of the shale, siltstone, structurally weak, and clay-ironstone particles must not exceed 4.0 percent for aggregates used in top course. The sum of the shale, siltstone, structurally weak, and clay-ironstone particles must not exceed 12.0 percent for aggregates used in base and leveling course. (b) The fine aggregates angularity of blended aggregates, determined by MTM 18, must meet the minimum requirement. In mixtures containing RAP, the required minimum fine aggregate angularity must be met by the virgin material. NAA fine aggregate angularity must be reported for information only and must include the fine material contributed by RAP if present in the mixture. (c) Los Angeles abrasion maximum loss must be met for the composite mixture, however, each individual aggregate must be less than 50. (d) Sand Ratio for 13A no more than 50% of the material passing the No. 4 sieve is allowed to pass the No. 30 Sieve. (e) The Aggregate wear index for all mixes shall be 260 min as determined by Michigan Test Method (MTM) 112-04.	

e. Mixture. The Contractor will be required to produce the mixture within the tolerances listed for Table 3 as outlined in this Special Provision.

In cases of non-conformance with any of the requirements as specified herein and if, in the Engineer's judgment, the non-conforming mixture warrants, the Contractor shall remove and replace it with a mixture conforming to the specification requirements at his own expense. If in the opinion of the Engineer the non-conforming mixture can remain in place, the City will exercise a reduction in payment in accordance with this Special Provision as outlined in HMA Paving Mixtures.

TABLE 3: Tolerances from Proposed Gradings and Assigned Bitumen Content (Percent)

	Range No.	Sieve 1/2"	Sieve 3/8"	Sieve No. 4	Sieve No. 8	Sieve No.30	Sieve No. 200	Assigned Bitumen
13A	1	± 5	± 5	± 5	± 5	± 4	+1.0,-1.5	-0.3,+0.4
	2	± 8	± 8	± 8	± 7	± 6	-2.0,-2.5	-0.5,+0.6

Mixtures Analysis Data: The Contractor, at least two (2) weeks prior to production, shall submit to the City's representative, for the Engineer's approval, a test report containing the following data:

1. The extracted aggregate gradation and asphalt content of the RAP stockpile (minimum one [1] test per 1000 Tons of RAP).
2. Average crushed content and aggregate type (gravel, slag, limestone, etc.) in the RAP stockpile (minimum one [1] test per 1000 Tons of RAP).
3. The blended Aggregate Wear Index (AWI) for all Top Course Hot Mix Asphalt Mixtures (HMA).
4. The "Proposed Grading" of the final blend of RAP and virgin aggregates.
5. The "Proposed Asphalt Content" of the mixture.
6. The type of asphalt cement to be added to the mixture.
7. The bulk specific gravities of all aggregates, including those within the RAP mixture.
8. Crushed content, fine aggregate angularity (as determined per ASTM C-1252-06), LA Abrasion, and soft particles for all virgin aggregates.

e. Construction Methods.

Sampling of Hot-Mix Asphalt (HMA) Mixtures

Representative's samples of HMA mixtures will be obtained from producers plant or project site. Samples obtained at producer's plant will be obtained by producer's personnel under the supervision of the City's representative. Samples obtained at project site will be obtained by the HMA mixture as determined by the City.

Laboratory and field testing of HMA mixtures is to be performed as expeditiously as sample temperatures allow. No mixture conditioning is required for plant produced HMA mixtures.

Bond Coat: The following rates of Bond Coat shall be used unless otherwise called for on the plans or directed by the Engineer.

1. **0.10-gal/sq. yd.** shall be applied over all existing pavements and pavement surfaces.
2. **0.05-gal/sq. yd.** shall be applied between subsequent HMA Mixture courses and over Concrete Base Course Pavements to be resurfaced.

Compaction of HMA Mixtures: The compaction of HMA Base, Binder, Leveling, and Top courses placed directly on an aggregate base shall be as described in Section 502 of the 2003 MDOT Standard Specifications for Construction.

Compaction of HMA Top Courses, excluding any mixture placed directly on an aggregate base, shall be as specified herein. These requirements take precedence over any conflicts with the requirements of the 2003 MDOT Standard Specifications for Construction.

Laboratory Density: The laboratory density shall be determined by the Marshall Procedure ASTM D 1559 using 50 blows on each end of the specimen as the compactive effort. The temperature of the asphalt specimen at the time of compaction shall be 275° F unless otherwise specified. One set of three (3) specimens shall be made on the first day of placement and on subsequent days as determined by the Engineer.

Measurement of Compaction: The measurement of field-compacted density shall be done with a nuclear gauge. The percent of compaction obtained shall be determined by dividing the field-compacted density by the laboratory density and multiplying the result by 100.

Procedure: The Engineer will furnish a nuclear gauge with an operator to monitor the Contractor's rolling operation to establish a compaction procedure that will aid in obtaining the specified density.

For Mainline HMA Top Course: Density tests shall be taken on the compacted pavement at a frequency of one test every 500 lineal feet of paving lane, except for the last unit which will be 500 lineal feet plus any fractional unit less than 250 lineal feet in length or which will be a fractional unit 250 lineal feet or more, in length. Miscellaneous areas such as intersections, crossovers and widened lanes less than 250 lineal feet will be tested at the discretion of the Engineer.

Nuclear density tests will be taken on a random basis longitudinally within each unit and transversely within each unit. Tests will be taken at the discretion of the Engineer in areas that have received the least amount of compactive effort.

Individual tests failing to meet 97 percent of the laboratory density will be penalized in accordance with the schedule below.

Compaction Density Tests: When individual density tests fail to meet 97.0 percent of laboratory density on the completed paving lane, two (2) additional tests will be taken in the 500

lineal feet unit. The two (2) additional tests will be taken a minimum of 50 feet each way from the original test.

The average of the three (3) tests will be used to base the penalty and compute an adjusted contract price in accordance with the following schedule:

Test Results	Adjusted Price
97.0%+	100%
96.0% to 96.9%	95%
95.0% to 95.9%	90%
94.0% to 94.9%	85%
93.0% to 93.9%	50%
Less than 93.0%	No Payment or Removal as directed by the Engineer

The tonnage to be penalized will be computed by the Engineer based on the nominal plan thickness, length of unit, width of paving lane, and yield factor as shown on the plans.

HMA Paving Mixtures Subject to Rejection of Penalty

Definitions:

Confirmed Ignition or Extraction Test- The initial ignition or extraction test result fails to meet Range No. 1, Range No. 2, or the Master Range and the laboratory ignition or extraction retest result of the same sample also fails to meet the Range No. 1, Range No. 2, or Master Range.

Consecutive Ignition or Extraction Tests- Two or more ignition or extraction tests run on the same asphalt mix (e.g., HMA Base) but representing separate samples (e.g., first sample tested a.m., second sample tested p.m., and the third sample tested a.m. the following day of production) from the same plant for the same project.

Initial Ignition or Extraction Test- The first ignition or extraction test run on a sample of asphalt mix.

Non-Conforming Mixture - Asphalt mixture which fails to meet the Range No. 1, Range No. 2, or Master Range as defined in this special provision.

Non-Conforming Test- The initial ignition or extraction test fails to meet Range No. 1, Range No. 2, or the Master Range and the laboratory ignition or extraction retest of the same sample is found within Range No. 1 and the Master Range on the same sample.

Range No.1- If, on two consecutive ignition or extraction tests of the same mixture, the asphalt binder content or the aggregate gradation on the same sieve, exceeds the uniformity tolerance of Range No. 1 (See Table 3) but meets the Master Range and the uniformity tolerance of Range No. 2, the mixture shall be rejected. If, in the Engineer's judgment, the non-conforming mixture warrants removal, the contractor shall remove and replace the non-conforming mixture at his/her expense. If, in the Engineer's judgment, the non-conforming mixture can remain in place, the contract unit price for the non-conforming mixture shall be reduced in accordance with the following schedule:

<u>Non-conforming Item</u>	<u>Reduction</u>
Asphalt Binder (minus)	10%
Asphalt Binder (Plus)	5%
Each Sieve.....	5%

The total accumulated reduction shall not exceed 20 percent for material outside Range No. 1 and within Range No. 2 and the Master Range.

Range No. 2 and Master Range- If any item in a confirmed ignition or extraction test as previously defined fails to conform to the Range No. 2 (See Table 3) tolerance or the Master Range (includes the minimum crushed content requirement); and if, in the Engineer's judgment, the non-conforming mixture warrants removal, the Contractor shall remove the non-conforming mixture and replace it with a mixture conforming to specification requirements at his/her expense. If, in the judgment of the Engineer, the non-conforming mixture can remain in place, the contract unit price for these mixtures shall be decreased by 10 percent for each item up to a maximum of 20 percent when there is more than one non-conforming item.

If a second consecutive test still indicates the items to be outside the Master Range or Range No. 2 tolerance, shipping to the project shall be stopped until corrections have been demonstrated to have been made. Payment for the accepted mixture, including the material represented by the first test, will be decreased by 20 percent of the contract unit price for those mixtures outside Range No. 2 but within the Master Range; and will be decreased by 20 percent of the contact price for those mixtures outside of the Maser Range.

Marshall Requirements- If any one test does not exhibit characteristics conducive to a non-yielding, stable, and serviceable pavement (e.g., low stability, low VMA, high or low air voids) the pavement shall be removed and replaced with the material conforming to specification requirements at the Contractor's expense.

If, in the Engineer's judgment, the non-conforming mixture can remain in place, the contract unit price for the non-conforming mixture shall be reduced in accordance with the following schedule:

<u>Non-Conforming Item</u>	<u>Reduction</u>
a. *0.1% to 0.5% below the minimum VMA requirement	5%
b. *0.6% to 1.0% below the minimum VMA requirement	10%
c. 1.1% to 1.5% below the minimum VMA requirement	15%
d. 1.6% to 2.0% below the minimum VMA requirement	25%
e. 2.1% to 2.5% below the minimum VMA requirement	50%

<u>Non-Conforming Item</u>	<u>Reduction</u>
f. *0.1% to 0.3% below the Air Void requirement	5%
g. *0.4% to 0.6% below the Air Void requirement	10%
h. 0.7% to 0.9% below the Air Void requirement	15%
i. 1.0% to 1.2% below the Air Void requirement	25%
j. 1.3% to 1.4% below the Air Void requirement	50%
k. *0.1% to 0.6% above the Air Void requirement	5%
l. *0.7% to 1.1% above the Air Void requirement	10%
m. 1.2% to 1.5 % above the Air Void requirement	15%

n. 1.6% to 1.8% above the Air Void requirement	15%
o. 1.9% to 2.0% above the Air Void requirement	25%
p. *Low stability greater than 5% below requirement	10%
q. Low stability greater than 15% below requirement	25%
r. *Not meeting the Flow requirement	10%

The above reductions shall be cumulative.

*Two consecutive tests will be required in order to implement this reduction. Consecutive tests may be performed on the same day of consecutive days of production of the same material.

f. Measurement and Payment. The completed work for as measured for HMA pavements will be paid for at the contract unit price for the following:

Contract Item (Pay Item)	Pay Unit
HMA, 13A (Top)	Ton
HMA, 13A (Leveling)	Ton

All HMA Mixtures will be measured by weight in tons. The pay items will be based on the type of mixture being specified. The Contract unit price will be payment in full for all materials, labor, and equipment required to complete the work as specified.

Bond Coat SS-1h will not be paid for separately but shall be included in the HMA mixture being placed. See HMA Application chart for bond application rates.

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
RECYCLED HOT MIX ASPHALT MIXTURE ON LOCAL AGENCY PROJECTS

CFS:KPK

1 of 2

APPR:JWB:CJB:03-13-14

FHWA:APPR:03-13-14

Add the following subsection to subsection 501.02.A.2, on page 234 of the Standard Specifications for Construction.

- c. **Reclaimed Asphalt Pavement (RAP) and Binder Grade Selection.** The method for determining the binder grade in HMA mixtures incorporating RAP is divided into three categories designated Tier 1, Tier 2 and Tier 3. Each tier has a range of percentages that represent the contribution of the RAP binder toward the total binder, by weight. The tiers identified below apply to HMA mixtures with the following exception: Superpave mixture types E3, E3 High Stress, E10, E10 High Stress, E30, E30 High Stress, E50, and E50 High Stress used as leveling or top course must be limited to a maximum of 27 percent RAP binder by weight of the total binder in the mixture.

Recycled materials may be used as a substitute for a portion of the new materials required to produce HMA mixtures in accordance with contract.

- **Tier 1 (0% to 17% RAP binder by weight of the total binder in the mixture).** No binder grade adjustment is made to compensate for the stiffness of the asphalt binder in RAP.
- **Tier 2 (18% to 27% RAP binder by weight of the total binder in the mixture).** For all mixtures no binder grade change will occur in Tier 2 for all shoulder and temporary road mixtures.

The required asphalt binder grade must be at least one grade lower for the low temperature than the design binder grade required for the specified project mixture type. Lowering the high temperature of the binder one grade is optional. For example, if the design binder grade for the mixture type is PG 58-22, the required grade for the binder in the HMA mixture containing RAP would be a PG 52-28 or a PG 58-28.

For Marshall Mixes, no binder grade change will be required when Average Daily Traffic (ADT) is above 7000 or Commercial Average Daily Traffic (CADT) is above 700. No binder grade change will occur for LVSP, E03 and E1 mixtures used as leveling or top course.

The asphalt binder grade can also be selected using a blending chart for high and low temperatures. Supply the blending chart and the RAP test data used in determining the binder selection according to *AASHTO M 323*.

- **Tier 3 ($\geq$ 28% RAP binder by weight of the total binder in the mixture).** The binder

grade for the asphalt binder is selected using a blending chart for high and low temperatures per *AASHTO M 323*. Supply the blending chart and the RAP test data used in determining the binder selection.

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
MARSHALL HOT MIX ASPHALT MIXTURE

C&T:JWB

1 of 2

C&T:APPR:EHR:CJB:09-25-06
FHWA:APPR:06-06-11

a. Description. Furnish hot mix asphalt (HMA) mixture, designed using Marshall Mixture Design Methods, in accordance with the standard specifications except as modified by this special provision.

b. Mix Design. Submit the mix design for evaluation in accordance with the Department's HMA Production Manual. Use a 50 blow Marshall hammer when compacting mixtures for developing Marshall mix designs.

c. Recycled Mixtures. Substituting reclaimed asphalt pavement (RAP) for a portion of the new material required to produce HMA mixture is allowed provided that the mixture is designed and produced to meet all criteria specified herein, unless otherwise prohibited. RAP materials must be in accordance with the standard specifications.

d. Materials. Table 1 provides the mix design criteria and volumetric properties. Table 2 provides the required aggregate properties. Use aggregates of the highest quality available to meet the minimum specifications. Use the mixture designation number shown in the contract item name when determining mix design properties from Tables 1 and 2.

e. Measurement and Payment. The completed work, as described, will be measured and paid for at the contract unit price using the following pay item:

Pay Item**Pay Unit**

HMA, (type) Ton

Table 1: Mix Design Criteria and Volumetric Properties

	Mixture No.				
	2C	3C	4C	13A*	36A
Target Air Void, % (a)	3.00	4.00	4.00		4.00
VMA (min) (b)	11.00	13.00	14.00		15.00
VFA	65-78	65-78	65-78		65-78
Fines to Binder Ratio (max) (c)	1.2	1.2	1.2		1.2
Flow (0.01 inch)	8 -16	8 -16	8 -16		8 -16
Stability (min), lbs	1200	1200	1200		900
a. Lower target air voids by 1.00% if used in a separate shoulder paving operation. Consider reducing air void targets to 3.00% for lower traffic volume roadways when designing 13A and 36A mixtures for local agency use. b. VMA calculated using Gsb of the combined aggregates. c. Ratio of the weight of aggregate passing the No. 200 sieve to total asphalt binder content by weight; including fines and binder contributed by RAP.					

Table 2: Aggregate Properties

	Mixture No.				
	2C	3C	4C	13A*	36A
	Percent Passing Indicated Sieve or Property Limit				
1 1/2 inch	100				
1 inch	91-100	100			
3/4 inch	90 max.	91-100	100		
1/2 inch	78 max.	90 max.	91-100		100
3/8 inch	70 max.	77 max.	90 max.		92-100
No. 4	52 max.	57 max.	67 max.		65-90
No. 8	15-40	15-45	15-52		55-75
No. 16	30 max.	33 max.	37 max.		
No. 30	22 max.	25 max.	27 max.		25-45
No. 50	17 max.	19 max.	20 max.		
No. 100	15 max.	15 max.	15 max.		
No. 200	3-6	3-6	3-6		3-10
Crushed (min), % (MTM 117)	90	90	90		60
Soft Particle (max), % (a)	12.0	12.0	8.0		8.0
Angularity Index (min) (b)	4.0	4.0	4.0		3.0
L.A. Abrasion (max), % loss (c)	40	40	40		40
Sand Ratio (max) (d)	-	-	-		50
a. The sum of the shale, siltstone, structurally weak, and clay-ironstone particles must not exceed 8.0 percent for aggregates used in top course. The sum of the shale, siltstone, structurally weak, and clay-ironstone particles must not exceed 12.0 percent for aggregates used in base and leveling courses. b. The fine aggregate angularity of blended aggregates, determined by MTM 118, must meet the minimum requirement. In mixtures containing RAP, the required minimum fine aggregate angularity must be met by the virgin material. NAA fine aggregate angularity must be reported for information only and must include the fine material contributed by RAP if present in the mixture. c. Los Angeles abrasion maximum loss must be met for the composite mixture, however, each individual aggregate must be less than 50 d. Sand ratio for 13A and 36A no more than 50% of the material passing the No. 4 sieve is allowed to pass the No. 30 Sieve.					

* See City of Livonia Special Provision for Marshall Hot Mix Asphalt Mixture 13A.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
HAND PATCHING, MODIFIED

OHM: mrl
01/09/23

1 of 1

a. Description. This work shall consist of the placement of HMA in accordance with Section 501 of the 2020 MDOT Standard Specifications for Construction and any details included within the log package.

b. Material. The material used for hand patching work shall be MDOT 13A.

c. Measurement and Payment. The completed work as measured for **Hand Patching, Modified** will be paid for at the contract unit price for the following contract items (pay items).

Contract Item (Pay Item)

Pay Unit

Hand Patching, ModifiedTon

Measurement and payment for **Hand Patching, Modified** will be measured and paid for by the ton, which shall be considered as payment in full for labor, materials, and equipment needed to accomplish this work.

Distinction between **Hand Patching, Modified** and **HMA, 13A (Leveling)** shall not be made by the method of construction, but shall be determined by the dimensions of each individual patch as described below.

Hand Patching, Modified shall apply to asphalt pavement placed whereas the smallest dimension of the patch does not exceed 11' **OR** the largest dimension does not exceed 75'. The dimensions shall apply to each individual patch. Please see the Table 1 below for a guide to this provision.

Table 1: Hand Patching Dimensions

Smallest Dimension	Largest Dimension	Hand Patching
Less than 11'	Less than 75'	Yes
11' or more	Less than 75'	Yes
Less than 11'	75' or more	Yes
11' or more	75' or more	No (see note below)

In the event that the dimensions exceed the maximum amount as noted above, the HMA placed shall not be paid as **Hand Patching, Modified** but shall be paid for under the appropriate pay item, **HMA, 13A**.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
HAND PATCHING, SPECIAL

OHM: mrl
01/09/23

1 of 1

a. Description. This work shall consist of the placement of HMA in accordance with Section 501 of the 2020 MDOT Standard Specifications for Construction and any details included within the contract documents. This item is for areas of asphalt pavement repair that is not within the construction influence area (CIA) described in the Maintenance of Traffic special provision and shall be directed by the Engineer.

b. Material. The material used for hand patching work shall be MDOT 13A (Leveling) and (Top).

c. Measurement and Payment. The completed work as measured for **Hand Patching, Special** will be paid for at the contract unit price for the following contract items (pay items).

Contract Item (Pay Item)

Pay Unit

Hand Patching, SpecialTon

Measurement and payment for **Hand Patching, Special** will be measured and paid for by the ton, which shall be considered as payment in full for labor, materials, and equipment needed to accomplish this work.

Distinction between **Hand Patching, Modified** and **Hand Patching, Special** shall not be made by the method of construction, but shall be determined by the location of the hand patching. Locations outside of the construction influence area and as directed by the Engineer will be considered **Hand Patching, Special**.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
MISC PREPARING PAVEMENT

OHM: mrl

1 OF 2

01/09/23

a. Description. This work consists of preparing a pavement prior to placing HMA surfacing, all in accordance with Section 502 of the 2020 MDOT Standard Specifications for Construction and as provided herein.

b. Construction.

- 1. Pavement Repairs:** All broken surfaces not bonded to the base pavement or to other HMA pavements and/or patches, which in the opinion of the Engineer, may cause bleeding or instability in the proposed surfacing shall be removed. All underlying loose, deteriorated concrete shall be removed by use of a milling machine (18 inch maximum drum width), thorough sweeping with a power broom, compressed air jet, or other means as approved by the Engineer. Follow MDOT STD Plan No. R-44 Series for specifications for Detail 7 and Detail 8 repairs. Preparing pavement includes pavement repairs 0ft-3ft in width. Full-depth patch repairs exceeding the 3 ft width will be measured and paid for separately as **Pavt, Rem, Modified**.
- 2. Joints and Cracks:** On pavement surfaces not previously surfaced, all longitudinal and transverse joints and cracks 1 inch, or more, in width shall be cleaned of all filler, sealer, and foreign materials to a depth below the pavement surface of at least 1 inch, or as directed by the Engineer.
- 3. Pavement Markings:** Any existing non-paint pavement markings (thermoplastic, cold plastic, etc.) on an existing surface to be overlaid shall be removed and the surface cleaned.
- 4. Bond Coat:** Before the bond coat is applied at the rate specified, the existing pavement shall be dry and swept clean of dust, dirt and other foreign material through the use of a vactor truck. Cleaning through the use of hand brooms **SHALL NOT** be permitted. Hand application of the tack with the use of a brush/broom/etc. and bucket **SHALL NOT** be permitted. The bond coat shall be applied through the use of a pressure distributor in such a manner as to maintain a neat and clean curb face. No additional payment will be made for the work required for removing excess bond coat from the curb.

c.Measurement and Payment. The completed work as measured for **Misc Preparing Pavt** will be paid for at the specified unit price for the following contract item (pay Item):

Contract Item (Pay Item)	Pay Unit
Misc Preparing Pavt.....	Station

Misc Preparing Pavt will be measured by length along the road centerline in stations, along each side of a boulevard, and the length thus measured will include the preparation of intersecting road and street pavements within 100 feet of the centerline of the road being surfaced.

The materials removed as part of **Misc Preparing Pavt** will be replaced with a HMA mixture as specified in the pay item **Hand Patching, Modified**, but will not be paid for separately.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
CONCRETE PAVEMENT- ALKALI-SILICA REACTIVITY

OHM: mrl
01/09/23

1 of 1

Description. This work shall be done in accordance with Section 602 of the 2020 Standard Specifications for Construction, except as specified herein.

The Contractor shall provide cement concrete mixtures for the project that are resistant to excessive expansion caused by alkali-silica reactivity (ASR). The Contractor may either follow ASTM C 1260 – Standard Test Method for Potential Alkali Reactivity of Aggregates (Mortar Bar Method) or replace 35% of the Portland cement with Ground Granulated Blast Furnace Slag (GGBFS). All concrete mix designs shall be presented to the Owner at the preconstruction meeting along with which of the two options the contractor will use to prevent ASR.

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
COLD MILLING CONCRETE PAVEMENT

CFS:RAG

1 of 1

APPR:JFS:ARB:12-09-20

a. Description. This work consists of accurately removing the top portion of an existing concrete pavement to the depth and cross section shown on the log or plans, and as directed by the Engineer.

b. Equipment. Use cold milling machine(s) equipped with positive depth control adjustments and a positive means for controlling the cross slope. Equip the milling machine with an integral pickup and conveying device to immediately remove material being milled from the surface of the roadway and discharge the millings into a truck in one operation. Provide a machine with a means of effectively limiting the amount of dust escaping from the milling and removal process.

c. Construction. Cold mill the existing concrete pavement to the depth and cross section indicated on the log or plans, and as directed by the Engineer. Collect and dispose of the excess material resulting from the operations as specified in subsections 104.07.D and 204.03.B of the Standard Specifications for Construction.

Provide a final surface texture that is reasonably smooth and free of gouges, holes or large depressions. Prevent damage to the adjacent concrete. Where material is removed below the depth specified due to poor cold-milling practice, backfill and compact the resulting holes or depressions by hand patching in accordance with subsection 501.03.C.9 of the Standard Specifications for Construction. Repair all damage to adjacent surfaces as directed by the Engineer. All costs associated with this corrective work will be borne by the Contractor.

Provide protection around existing manholes, catch basin inlets, utility valve boxes, and any similar structures. Ensure any damage to such structures as a result of the milling operation are repaired at no additional cost to the contract. Prevent the milled material from falling into inlet openings. Remove any milled material that does fall into inlet openings.

d. Measurement and Payment. The completed work, as described, will be measured and paid for at the contract unit price using the following pay item:

Pay Item**Pay Unit**

Cold Milling Conc PavtSquare Yard

Cold Milling Conc Pavt includes removing concrete pavement as described herein, loading removed debris, hauling debris, and disposal of the debris. Material picked up by sweeping after cold milling will not be paid for separately. This work will be measured by area in square yards, regardless of the number of passes required to remove the concrete to the required depth.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
CONCRETE PAVEMENT, REPAIR

OHM: mrl

1 of 1

1/10/23

a. Description - This work shall consist of removing and replacing concrete slabs on existing concrete paved roadways. This work shall be done in accordance with Sections 602 and 603 of the 2020 MDOT Standard Specifications for Construction, except as specified herein.

Proposed concrete pavement repair shall match the existing pavement thickness and curb type as directed by the Engineer. The existing pavement may include integral curb. The proposed pavement shall match these existing conditions.

The Contractor shall also provide contraction joints in the repaired concrete pavement, as directed by the Engineer and shown on the plan details. The joints must match the adjacent existing pavement joint locations unless otherwise directed by the Engineer. This work shall be done in accordance with the 2020 MDOT Standard Specifications for Construction.

b. Materials - Concrete used for pavement shall meet the requirements of MDOT Grade P1 unless otherwise directed by the Engineer. Refer to Section 602 and 603 of the 2020 MDOT Standard Specifications for Construction for material requirements.

c. Measurement and Payment - The completed work as measured for will be paid for at the contract unit price for the following contract item(s) (pay item(s)).

Contract Item (Pay Item)

Pay Unit

Pavt Repr, With or Without Curb, Nonreinf Conc, 7-9 inchSquare Yard

Measurement and payment for **Pavt Repr, With or Without Curb, Nonreinf Conc, 7-9 inch** shall be measured and paid for in square yards. The work items (as referenced in the 2020 MDOT Standard Specifications for Construction) associated with the pavement repairs include: "Pavt, Repr, Rem", "Saw Cut, Intermediate", "Joint, Contraction, Crg", "Joint Contraction, Cp", "Joint, Expansion, Erg", "Joint, Tied, Trg", "Lane Tie, Epoxy Anchored", "Embankment, CIP", and "Pavt Repr, Nonreinf Conc, _ inch", shall be included in the pay item "**Pavt Repr, With or Without Curb, Nonreinf Conc, 7-9 inch**". The contract unit price shall be payment in full for furnishing all materials, labor and equipment required to complete the work as specified.

If the existing pavement has integral curb, the proposed pavement section shall match curb type. The area of integral curb shall be measured in square yards and included in the payment of the concrete pavement.

All costs associated with sealing the joints, including furnishing all materials, labor and equipment required to complete the work, shall be included in the pay item "**Pavt Repr, With or Without Curb, Nonreinf Conc, 7-9 inch**" and will not be paid for separately.

Subgrade Undercutting, Type II, Modified or Subgrade Undercutting, Type II, Special, if required, shall be paid for separately.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
CONCRETE CURB AND GUTTER

OHM: mrl

1 OF 1

01/09/23

a. Description. This work shall be done in accordance with Section 802 of the 2020 MDOT Standard Specifications for Construction, except as specified herein.

Curb and Gutter, _ inch shall conform to all requirements for concrete curb and gutter as detailed in MDOT Standard Detail R-30-G shown in the contract documents, the Typical Concrete Pavement Repair Detail for Concrete Streets, and this special provision. Proposed concrete curb and gutter shall match the existing curb as directed by the Engineer.

Curb and Gutter, _ inch shall also apply for curb repair on slab replacement streets as shown on the detail in the contract book. The curb and gutter shall be saw cut, so as to have a clean joint with the existing pavement, a distance shown on the typical into the pavement from the back of curb or as directed by the Engineer.

The Contractor will also provide epoxy-anchored dowels to tie-in the repaired concrete curb section to the existing concrete curb, as directed by the Engineer. This work shall consist of drilling, cleaning, supplying, and installing epoxy-anchored dowels in accordance with the 2020 MDOT Standard Specifications for Construction.

The epoxy-anchored dowels shall be $\frac{3}{4}$ " diameter deformed bars, epoxy coated, 16" long and positioned according to the details provided within this specification.

The cost of these epoxy-anchored dowels is included in the cost of the proposed concrete curb and gutter.

b. Measurement and Payment. The completed work as measured for will be paid for at the contract unit price for the following contract item(s) (pay item(s)).

<u>Pay Item</u>	<u>Pay Unit</u>
Curb and Gutter, 18 inch	Foot
Curb and Gutter, 24 inch	Foot
Curb and Gutter, 30 inch	Foot

Measurement and payment for **Curb and Gutter, _ inch** shall be measured and paid for in lineal feet. The contract unit price shall be payment in full for furnishing all materials, labor and equipment required to complete the work as specified.

Payment for adjacent pavement removal and replacement required to complete the concrete curb and gutter replacement are included in **Curb and Gutter, _ inch**.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
RELOCATE MAILBOX

OHM: mrl

1 OF 1

01/09/2023

a. Description. This work shall be in accordance with Section 807 of the 2020 Michigan Department of Transportation Standard Specifications for Construction, except as herein specified.

Prior to the start of construction, the Contractor shall mark each existing mailbox requiring relocation with a clear, readable address, remove the existing box and post in its entirety and temporarily reset them to a location acceptable to the Owner and the U.S. Postal Service personnel. Property owners must be notified of the new location.

The temporary placement of mailboxes during construction, including any “ganging” of mailboxes as directed by the U.S. Postal Service, will not be paid for separately but shall be considered as having been included in the pay item for **Relocate Mailbox**. All temporary mailboxes that are required for “ganging” purposes will not be paid for separately, but shall be included in the price for **Relocate Mailbox**.

All mailbox posts and boxes in its entirety shall be reset at their permanent location per postal regulations.

Mailboxes requiring relocation where the posts cannot be relocated shall be paid as Post, Mailbox, as described in Section 807 of the 2020 Michigan Department of Transportation Standard Specifications for Construction.

b. Measurement and Payment. Payment to remove and reset mailbox shall be made on the basis of unit prices per each. Payment shall include all labor, equipment, and material required to remove and reset the mailbox as directed by the Engineer.

Contract Item (Pay Item)	Pay Unit
Relocate Mailbox	Each

All costs, including furnishing of materials, labor, and equipment required for construction of these items of work as specified shall be considered included in the unit cost for these items of work.

Payment shall be made as **Relocate Mailbox** or **Post, Mailbox** but not both.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
SURFACE RESTORATION

OHM: mrl

1 OF 3

01/09/2023

a. Description. This work consists of preparing all areas designated for surface restoration by the Engineer, and applying topsoil, fertilizer, seed, and mulch to those areas.

b. Materials. The materials and application rates specified in Sections 816 and 917 of the Michigan Department of Transportation 2020 Standard Specifications for Construction apply unless modified by this special provision or otherwise directed by the Engineer.

Materials included in Surface Restoration, Seeding:

1. Overburden Removal, except Levan Rd
2. Seeding, Mixture THM (Turf Loamy to Heavy)
3. Fertilizer, Chemical Nutrient, CI A
4. Topsoil Surface, Furn, 3 inch
5. Mulch Blanket shall be used on this project adjacent to the roadway and on steep slopes as required by the Engineer without credit for tucks, overlaps or wasted material. Mulch and Mulch Anchoring shall be used on flat slopes on the project.
6. Water, Sodding/Seeding

Materials included in Surface Restoration, Sodding:

1. Overburden Removal
2. Topsoil Surface, Furn, 2 inch
3. Sodding
4. Water, Sodding/Seeding

Furnished topsoil must be screened and free of stones larger than 1 inch in diameter and other debris. The topsoil shall consist of black-colored soil that is suitable for the growth of grass seed or sod. The topsoil shall be obtained from the upper layer of an existing fertile soil and be free of limbs, twigs, rocks, muck, roots, and debris, etc. and containing organic matter rich in nutrients with negligible clay content.

Top Soil shall meet the following requirements:

1. The pH range shall be from 6.0 to 7.5. Topsoil outside of this range shall be amended by the addition of pH adjusters as approved by the Engineer.
2. The organic matter content shall range between 2% and 6% (by dry sample weight).
3. The soil texture shall be a sandy loam, silt loam, or loam where the sand, silt, and clay contents (by dry sample) fall with the following ranges:

Sand- 40% to 65%
Silt- 25% to 60%
Clay- 5% to 15%

4. The gradation shall be as follows:

Sieve Designation	% Passing
1 inch screen	100
0.25 inch screen	97-100
No. 10 U.S.S. mesh sieve	95-100
No. 140 U.S.S. mesh sieve	15-35

5. The soil salinity as measured by the electrical conductivity of a saturated soil sample shall not exceed 2 dS/m (decisiemens/meter).

6. Topsoil samples may be taken from stockpiles by the Engineer for submission to a testing laboratory. Topsoil that does not meet the required specifications shall be removed from the project site by the Contractor and shall be replaced with suitable topsoil that meets the testing requirements.

c. Construction. Begin this work as soon as possible after final grading of the areas designated for turf establishment but no later than the maximum time frames stated in Subsection 208.03 of the standard specifications. It may be necessary, as directed by the Engineer, to place materials by hand. This restoration work along the street shall be completed within two weeks of placing the paving material for that street.

Failure to complete the surface restoration within two weeks may result in a negative contract price adjustment. After five calendar days of the Engineer's notification, the Contractor will be assessed \$500 per day for every day until the restoration is considered satisfactorily complete by the Engineer.

Failure to remove debris, sewer spoils, and or stock piles within the time two weeks will not be considered satisfactorily complete and will subject to the above noted liquidated damages.

Prior to placing topsoil, shape and compact all areas to be seeded. Place topsoil to the minimum depth indicated above, to meet proposed finished grade. If the area being restored requires more than the minimum depth of topsoil to meet finished grade, this additional depth must be filled using topsoil or, at the Contractor's option, embankment. Furnishing and placing this additional material is included in this item of work.

If an area washes out after this work has been properly completed and approved by the Engineer, make the required corrections to prevent future washouts and replace the topsoil, fertilizer, seed and mulch. This replacement shall be paid for as extra work.

If an area washes out for reasons attributable to the Contractor's activity or failure to take proper precautions, replacement shall be at the Contractor's expense.

All areas disturbed by the Contractor and/or his Subcontractor beyond the normal construction limits of this project shall be sodded or seeded as directed by the Engineer. No additional payment or compensation will be allowed for this activity.

Water sodded and seeded areas per section 816.03.H of the 2020 MDOT Standard Specifications for Construction. Five (5) additional watering applications shall be included in this cost as directed by the Engineer. The application rate for the additional watering shall follow section 816.03.H of the 2020 MDOT Standard Specifications for Construction. This watering is in addition to the watering detailed in

section 816.03.H of the 2020 MDOT Standard Specifications for Construction. No additional payment for watering shall be considered and shall be included in pay items **Surface Restoration, Seeding** and **Surface Restoration, Sodding**.

d. Measurement and Payment. The completed work as measured shall be paid for at the contract unit price for the following contract item (pay item).

Contract Item (Pay Item)	Pay Unit
Surface Restoration, Seeding	Square Yard
Surface Restoration, Sodding	Square Yard

Payment for **Surface Restoration, Seeding** and **Surface Restoration, Sodding** shall include all materials, equipment, and labor required to complete the work as described.

CITY OF LIVONIA
SPECIAL PROVISION
FOR
ADJUSTING GATE WELL COVER

OHM: mrl

1 OF 1

12/18/2018

a. Description. This work shall consist of adjusting the existing gate well cover or gate box to the proper elevation by removing the casting, salvaging the existing casting or placing a new casting per the direction of the engineer, and setting it to the proper elevation. Any castings damaged by the Contractor's actions shall be replaced at the Contractor's expense. This work shall be done in accordance with the following: Section 403 of the 2020 MDOT Standard Specifications for Construction, any details included within the log package, and DWSD Standards.

b. Measurement and Payment. The completed work as measured for ADJUSTING GATE WELL COVER will be paid for at the contract unit price for the following contract item(s) (pay item(s)).

Contract Item (Pay Item)

Pay Unit

Gate Well Cover, Adj, Case 1	Each
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Payment for ADJUSTING GATE WELL COVER shall be in accordance with the applicable portions of Section 403 of the Standard Specifications, Drainage Structure. This work shall include adjusting the gate box (when required).

The City of Livonia shall provide any gate well covers required for replacement. In the event the City of Livonia is not able to provide a gate well cover, it shall be provided by the Contractor and paid for as "Dr Structure Cover."

CITY OF LIVONIA
SPECIAL PROVISION
FOR
SPRINKLER SYSTEM MODIFICATION

OHM: mrl

1 OF 2

2/7/18

a. Description. The work shall consist of adjusting or relocation of sprinkler heads and placement of irrigation system piping as directed by the Engineer. This work shall be done in accordance with the 2020 Michigan Department of Transportation Standard Specifications for Construction and as described herein.

b. Materials and Construction Methods. Relocation of sprinkler head or valve shall include removal of the existing head/valve and replacement of the same or, at the Contractor's expense, furnishing a new head/valve of equal size and material in the location as directed by the Engineer. Piping shall be installed 24 inches below proposed finished grade with new couplings and fittings to accommodate sprinkler heads.

Adjust Sprinkler Head involves raising or lowering an existing sprinkler head at its current location to meet the proposed finish grade. Adjust Sprinkler Head also involves the work to temporary relocate sprinkler heads and piping for construction activities.

All sprinkler system replacement items shall be compatible with the existing equipment and shall be of equal or better quality.

The Contractor shall contact the property owner and coordinate his work prior to disturbing any irrigation system.

c. Measurement and Payment. The completed work as measured shall be paid for at the contract unit price for the following contract item (pay item).

<u>Pay Item</u>	<u>Pay Unit</u>
Irrigation Piping	Foot
Relocate Sprinkler Head	Each
Relocate Irrigation Valve	Each
Adjust Sprinkler Head	Each
Sprinkler Head	Each

Adjust Sprinkler Head shall be measured for each sprinkler required to be raised or lowered at its current location. This price shall be payment in full for all materials, equipment, and labor required to perform the work as described, and shall include all additional piping, couplings and fittings necessary to raise or lower sprinkler head to finished grade without moving its location. Adjust Sprinkler Head shall be measured for each sprinkler that is temporarily relocated for construction activities as directed by the Engineer. The price shall be payment in full for all materials, equipment, and labor required to perform the work and shall include the piping, couplings, and fittings associated with the temporarily relocated sprinklers.

Irrigation Piping shall be measured from the center of sprinkler head to the point of disturbance and will be measured by the unit foot, and paid for at the contract unit price per foot, which price shall

be payment in full for all materials, equipment, and labor required to complete the work as described, including all necessary couplings and fitting to make the required connections.

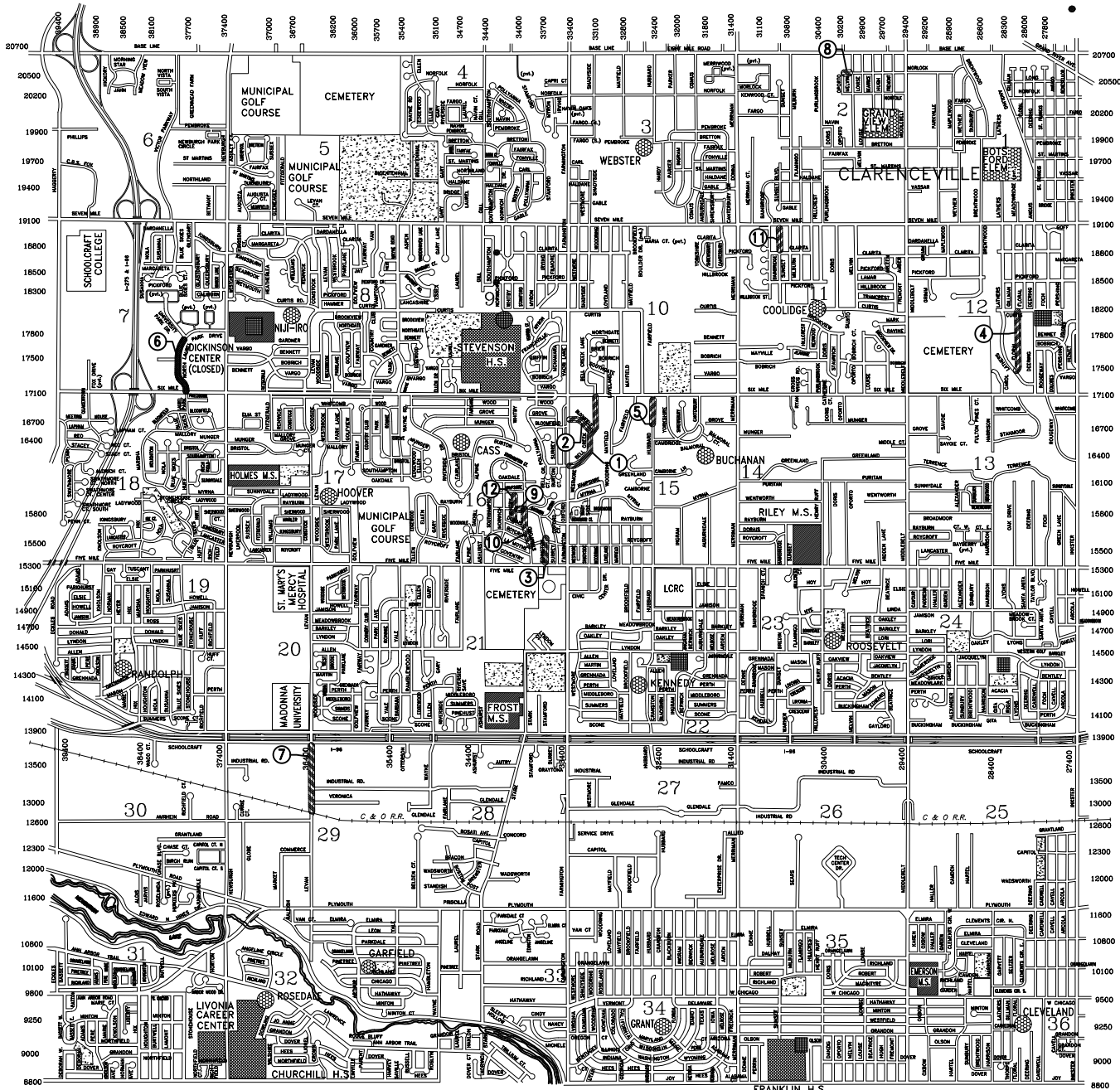
Relocate Sprinkler Head shall be measured by each sprinkler head removed from the system and placed at a new permanent location, and paid for at the contract unit price per each. This price shall be payment in full for all materials, equipment, and labor required to complete the work as described, and shall include a new sprinkler head (if required). Additional piping, couplings, and fittings necessary to install the sprinkler head at the finished grade will be paid separately as **Irrigation Piping**.

Relocate Irrigation Valve shall be measured by each irrigation valve removed from the system and placed at a new permanent location, and paid for at the contract unit price per each. This price shall be payment in full for all materials, equipment, and labor required to complete the work as described, and shall include a new irrigation valve (if required). Additional piping, couplings, and fittings necessary to install the irrigation valve at the finished grade will be paid separately as **Irrigation Piping**.

Sprinkler Head shall be measured by each new sprinkler head placed in the system at a new permanent location, and paid for at the contract unit price per each. This price shall be payment in full for all materials, equipment, and labor required to complete the work as described. Additional piping, couplings, and fittings necessary to install the sprinkler head at the finished grade will be paid separately as **Irrigation Piping**. The sprinkler head shall match the type and size on the existing system. New sprinkler heads will not be paid due to careless handling by the Contractor of relocated or adjusted sprinkler heads.

PROJECT LOG

2024 ASPHALT PAVING PROGRAM PROJECT LOCATION MAP



REHABILITATE

1. BELL CREEK LN
2. BLOOMFIELD DR
3. EDINGTON RD
4. FLORAL AVE
5. HUBBARD RD
7. LEVAN DR
8. MORLOCK AVE
9. RAYBURN AVE
10. STAMFORD RD
11. SUNSET BLVD
12. WHITBY RD

RECONSTRUCT

6. LAUREL PARK DR

PLANS PREPARED BY:

OHM
Advancing Communities
Engineering Advisors

34000 Plymouth Road | Livonia, MI 48150
p (734) 522-6711 | f (734) 522-6427

1 of 6
LOG OF PROJECT
2024 ASPHALT PAVING PROGRAM:

1/10/23

1 of 6

1/15/24

DESCRIPTION OF WORK

The project consists of the following rehabilitation list:

REHABILITATION PROJECT

Log #	Road	From	To	Scope	Start Sta.	End Sta.
1	Bell Creek Ln	Farmington Rd	Six Mile Rd	Inlay	0+00	25+40
2	Bloomfield Dr	Farmington Rd	Bell Creek Ln	Inlay	0+00	8+59
3	Edington Rd	Five Mile Rd	Roycroft Ave	Inlay	0+00	7+50
4	Floral Ave	Lathers Dr	Curtis Ave	Inlay	0+00	18+70
5	Hubbard Rd	16360 Hubbard Rd	Six Mile Rd	2" Mill and 3.5" Overlay	0+00	36+00
6	Laurel Park Dr	Six Mile Rd	17841 Laurel Park Dr	Recon	0+00	18+65
7	Levan Rd	CSX Railroad Tracks	Schoolcraft Rd	4" Mill and Fill	0+00	23+11
8	Morlock Ave	Oporto Ave	Melvin Ave	Inlay	0+00	2+87
9	Rayburn Ave	Stamford St	Whitby	Inlay	0+00	3+00
10	Stamford	Roycroft Ave	Rayburn Ave	Inlay	0+00	10+29
11	Sunset Blvd	Clarita Avenue	Seven Mile Rd	3" Mill and Fill	0+00	7+90
12	Whitby Rd	Dorais Ave	Hampshire Rd	Inlay	0+00	10+25

DEFINITIONS

“Reconstruction” entails complete removal of existing asphalt/concrete pavement, base, subbase, subgrade, and placing new asphalt/concrete pavement with selective curb and gutter over an aggregate base. “Reconstruction” also includes subgrade undercuts, installing new driveway and side street approach improvements, sidewalk removal and replacement, pavement striping, drainage improvements, and restoration.

“Mill & Fill” involves full width 3” deep cold milling, full depth pavement patch repairs, crack repair, HMA overlay, subgrade undercuts, curb and gutter repair, side street approach improvements, driveway repairs as needed, sidewalk removal and replacement, minor drainage improvements, pavement striping, and restoration.

“HMA Inlay” Involves complete pavement removal of existing asphalt pavement, subgrade undercuts, grading existing aggregate base, adding new aggregate base if necessary, removal of excess or unsuitable spoils, placement of new asphalt pavement, installing new driveway and side street approach improvements (as required), sidewalk removal and replacement, drainage improvements, and restoration

“Pulverize” involves full depth pulverization of a flexible pavement, grading of new aggregate base if necessary, removal of excess or unsuitable spoils, placement of new asphalt pavement, subgrade undercuts, installing new driveway and side street approach improvements, sidewalk removal and replacement, drainage improvements, and restoration.

“Overlay” involves full depth pavement patch repairs, crack repair, subgrade undercuts, curb and gutter repair, HMA overlay, side street approach improvements, driveway repairs as needed, sidewalk removal and replacement, minor drainage improvements, pavement striping, and restoration.

Traffic shall be maintained throughout the project as provided in the details and Special Provision for Maintaining Traffic.

A “Minor Road” is defined as a side street which terminates or originates at a collector road. This designation affects the limits of work in terms the rehabilitation of the side street approaches and POB and POE approaches. The thickness of the existing pavement is not a determining factor as to whether the street is called a major or minor road. Refer to Special Detail “Work Limits for Residential Streets & Driveway Approaches”

GENERAL PLAN NOTES

The improvements in this proposal shall be done in accordance with City of Livonia Engineering Standards, the Michigan Department of Transportation 2020 Specifications, Supplemental Specifications, and Special Provisions packaged herein.

UNDERGROUND UTILITIES

For the protection of underground utilities and in conformance with Public Act 53, 2013, the contractor shall call Miss Dig (1-800-482-7171) a minimum of three full working days, excluding Saturdays, Sundays, and Holidays prior to beginning each excavation in areas where public utilities have not been previously located. Miss Dig members will thus be routinely notified. This does not relieve the contractor of the responsibility of notifying utility owners who may not be a part of the “MISS DIG” alert system.

EXISTING UNDERGROUND UTILITIES

The contractor will be responsible for any damage to existing water mains and/or existing sanitary sewer due to the contractor's negligence during the construction of this project.

UNSEEN UNDERGROUND STRUCTURES

During the milling of Concrete pavement and pavement repair removal operations, existing drainage, sanitary structures or water main structures may be encountered that have been left below the existing pavement on previous overlay projects. These structure covers shall be adjusted to the proposed finished grade using the pay items provided in the miscellaneous estimates as directed by the Engineer. If an unseen (i.e. buried below the existing pavement due to previous overlay projects) structure casting is damaged in the milling or pavement removal process, the casting will be replaced and paid for separately, as directed by the Engineer. Adjustments will only be paid for once, regardless of the number of adjustments required.

SANITARY SEWER OR GATE WELL COVER

New sanitary sewer or gate well cover(s) may be required, as directed by the Engineer. The City will furnish the frame and covers as needed.

ADJUSTING STRUCTURES

Adjusting structure covers (drainage, sanitary and water main) shall be done in accordance with Section 403.3 of the 2020 Michigan Department of Transportation Standard Specifications for Construction. Final adjustment of structures shall be made after the placement of the leveling and prior to placing the top course. All structures covers shall be reused unless the existing cover is unsalvageable, as directed by the Engineer. Adjusting sanitary structures and adjusting gate well structures shall also be done in accordance to the included Special Provisions.

STATIONING

Stationing on this project is described independently on each street. Stationing was measured and painted on the pavement and is not necessarily exact or accurate. Stationing is shown for quantitative and general locating purposes only.

PAVEMENT CORES

The pavement core logs represent point information. Presentation of this information in no way infers that subsurface conditions are the same other than the exact location of the cores.

PAVEMENT MARKINGS

All markings, shapes and dimensions shall conform with MDOT pavement marking typicals PAVE-900 to PAVE-990 series unless specified otherwise by special provision.

ADJUSTING MONUMENT BOXES

It is the intent that all government corners on this project be preserved and that, where necessary, monument boxes be adjusted, whether shown or not.

MAILBOXES

The work included to relocate and/or replace any mailboxes that are within construction limits shall be

included in the pay item "Post, Mailbox" or "Relocate Mailbox", whichever is applicable for the work required.

WAYNE COUNTY NOTES

- A. All work within the Wayne County road right-of-way shall be in accordance with the current standards and general specifications, including soil erosion and sedimentation control of the Wayne County Department of Public Services.
- B. These plans are not valid without attachment of the Wayne County permit specifications for construction within road right-of-way, parks, drain easements or sanitary sewer under the jurisdiction of Wayne County. (12/15/04). The Contractor shall have Wayne County approved plan and permit on site at all times.
- C. Restore all disturbed areas within the County right-of-way, as described in the special provision "Surface Restoration"
- D. All backfill under or within 3' of proposed or existing pavement, sidewalk or curb shall conform to Wayne County DPS requirements for Trench Backfill "B" (MDOT class III).
- E. The Contractor is to exercise due care and caution to protect County facilities from damage within the construction limits. The permit holder and Contractor shall be responsible for any and all damages that the facilities may sustain prior to the permit release. Repair of any County facilities shall be as determined by the County Engineer.

MISCELLANEOUS ITEMS

The following items of work are estimated for the project and apply as directed by the Engineer. These items may not be included in details or other contract documents.

PAY ITEM	GENERAL APPLICATION OF PAY ITEM (AS DIRECTED BY THE ENGINEER)
Tree Root Grind	Pavement heave due to adjacent tree roots
Culv, Rem, Less than 24 inch	Replacement of culverts exposed in driveways
Ditch Cleanout	Drainage improvement for existing condition
Culv, CI A, CSP, 12 inch	Replacement of culverts exposed in driveways
Culv End Sect, Metal, 12 inch	Replacement of culverts exposed in driveways

NOTES APPLYING TO STANDARD PLANS

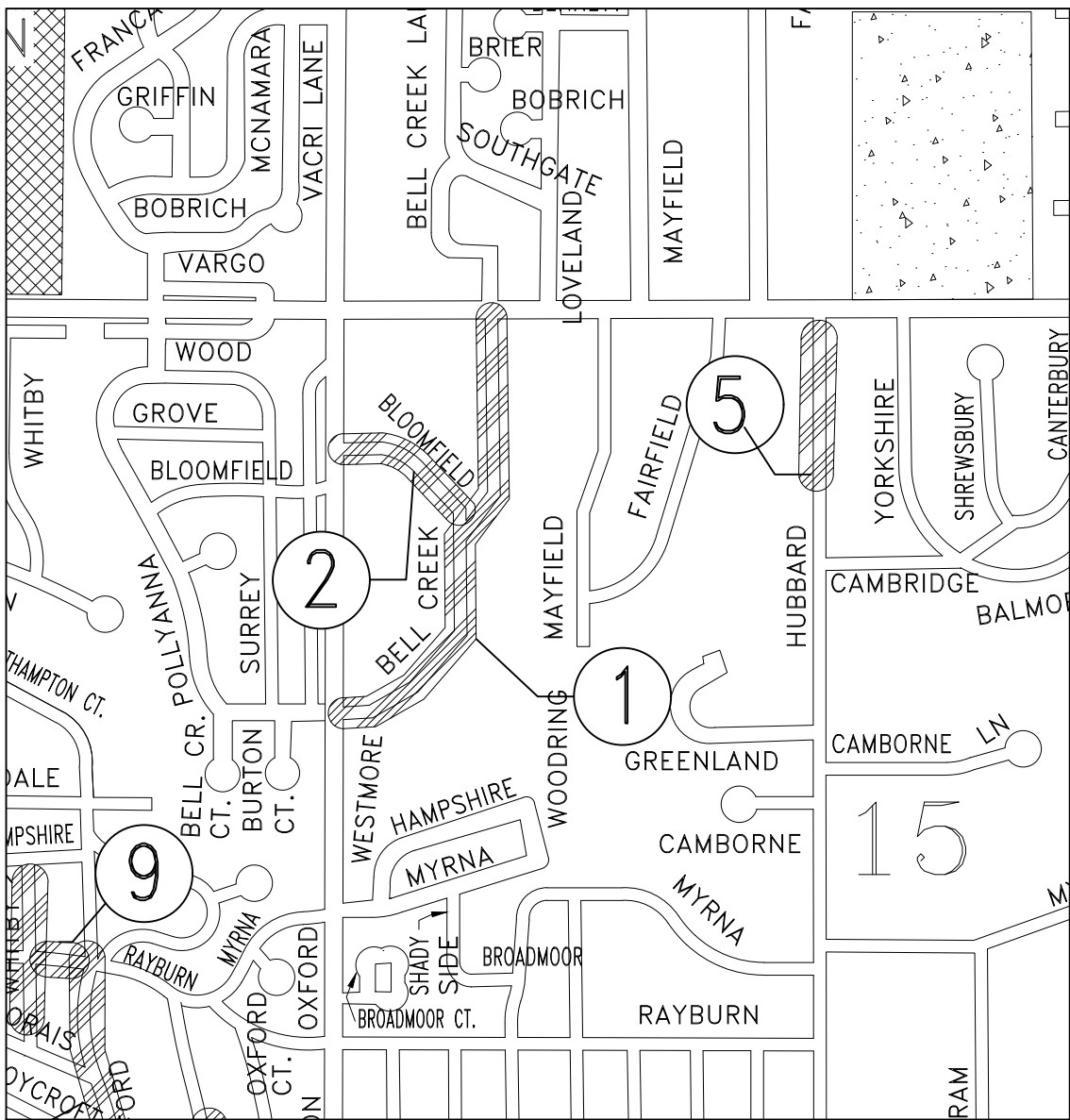
Where the following items are called for on the plan sheets, they are to be constructed according to the Michigan Department of Transportation Standard Plan given below opposite each item unless otherwise indicated.

<u>STD PLAN #</u>	<u>TITLE</u>
<u>R-28-J</u>	Curb Ramp and Detectable Warning Details
<u>R-29-I</u>	Driveway Openings & Approaches, and Concrete Sidewalks
<u>R-30-G</u>	Concrete Curb and Concrete Curb & Gutter
<u>R-44-G</u>	Concrete Pavement Repair
<u>R-82-D</u>	Bedding and Filling Around Pipe Culverts
<u>R-83-C</u>	Utility Trenches
<u>R-88-E</u>	Steel End Section
<u>R-96-E</u>	Soil Erosion & Sedimentation Control Measures
<u>R-100-I*</u>	Seeding and Tree Planting
<u>WZD-100-A</u>	Ground Driven Sign Supports for Temp Signs
<u>WZD-125-E</u>	Temporary Traffic Control Devices

* - Indicates MDOT Special Detail

2024 ASPHALT PAVING PROGRAM

PROJECT LOCATION MAP



- | | | | |
|---|---|---|--|
|  | ELEMENTARY SCHOOLS |  | 2024 ROADS-ASPHALT REHABILITATION (MILL/FILL OR INLAY) |
|  | MIDDLE SCHOOLS |  | 2024 ROADS-ASPHALT RECONSTRUCT |
|  | SENIOR HIGH SCHOOLS | | |
|  | PARK SITES | | |
|  | SCHOOL OWNED, BUT NOT USED FOR K-12 INSTRUCTION | | |

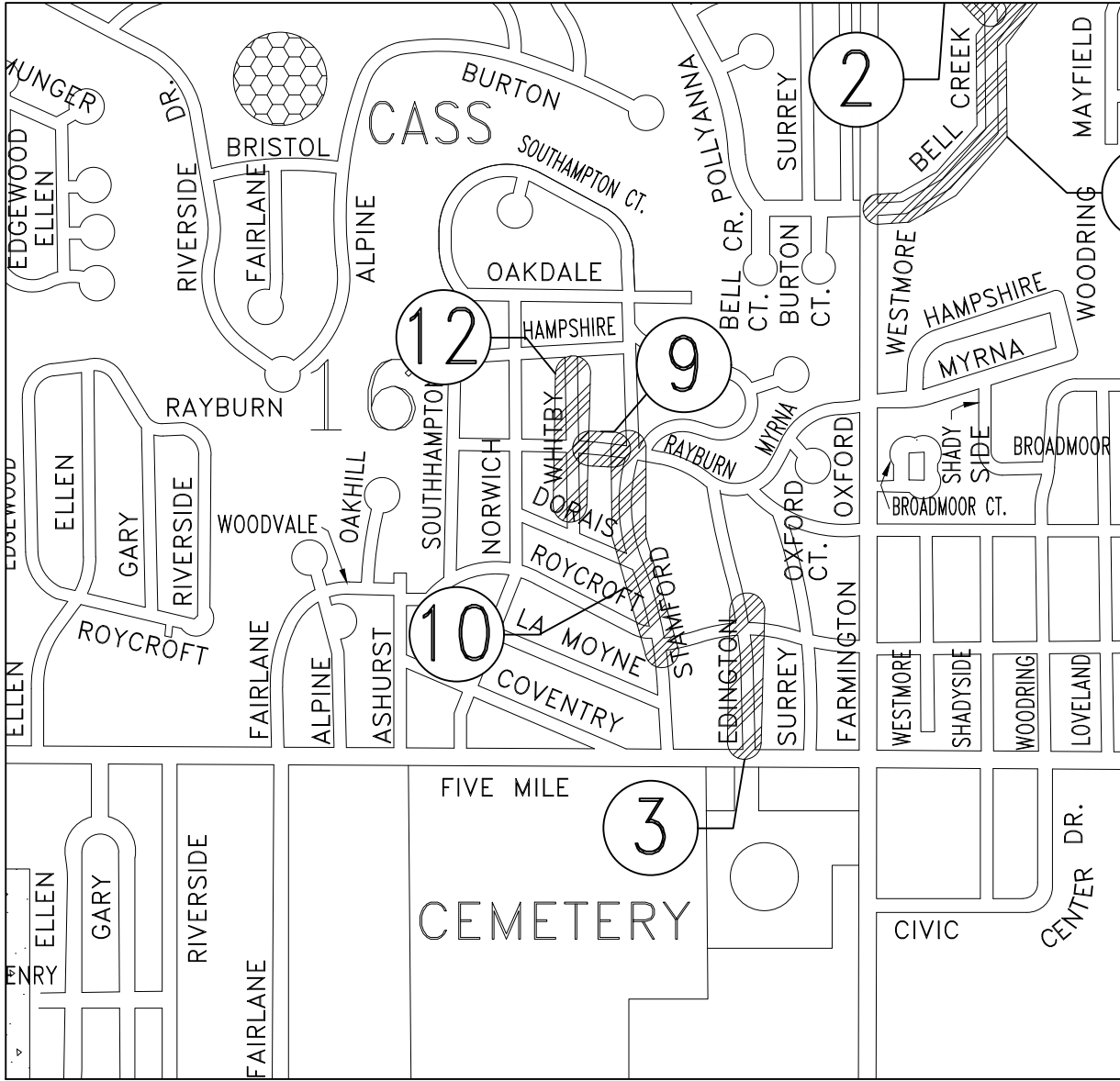


PLANS PREPARED BY:

34000 Plymouth Road | Livonia, MI 48150
p (734) 522-6711 | f (734) 522-6427

2024 ASPHALT PAVING PROGRAM

PROJECT LOCATION MAP



ELEMENTARY SCHOOLS



MIDDLE SCHOOLS



SENIOR HIGH SCHOOLS



PARK SITES



SCHOOL OWNED, BUT NOT USED FOR K-12 INSTRUCTION



2024 ROADS-ASPALT REHABILITATION (MILL/FILL OR INLAY)



2024 ROADS-ASPALT RECONSTRUCT

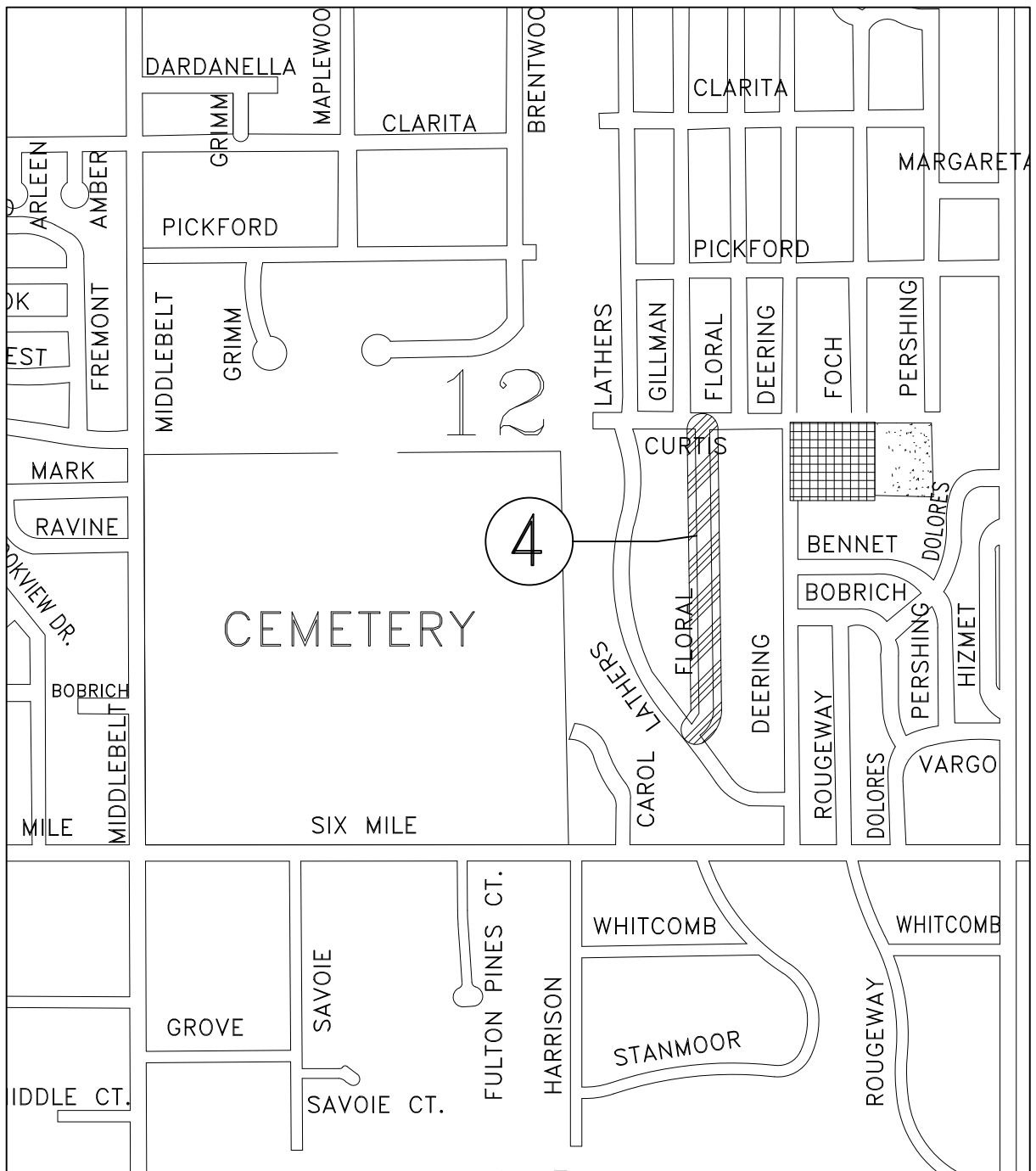


PLANS PREPARED BY:

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2024 ASPHALT PAVING PROGRAM

PROJECT LOCATION MAP



ELEMENTARY SCHOOLS



MIDDLE SCHOOLS



SENIOR HIGH SCHOOLS



PARK SITES



SCHOOL OWNED, BUT NOT
USED FOR K-12 INSTRUCTION



2024 ROADS-ASPHALT REHABILITATION (MILL/FILL OR INLAY)



2024 ROADS-ASPHALT RECONSTRUCT

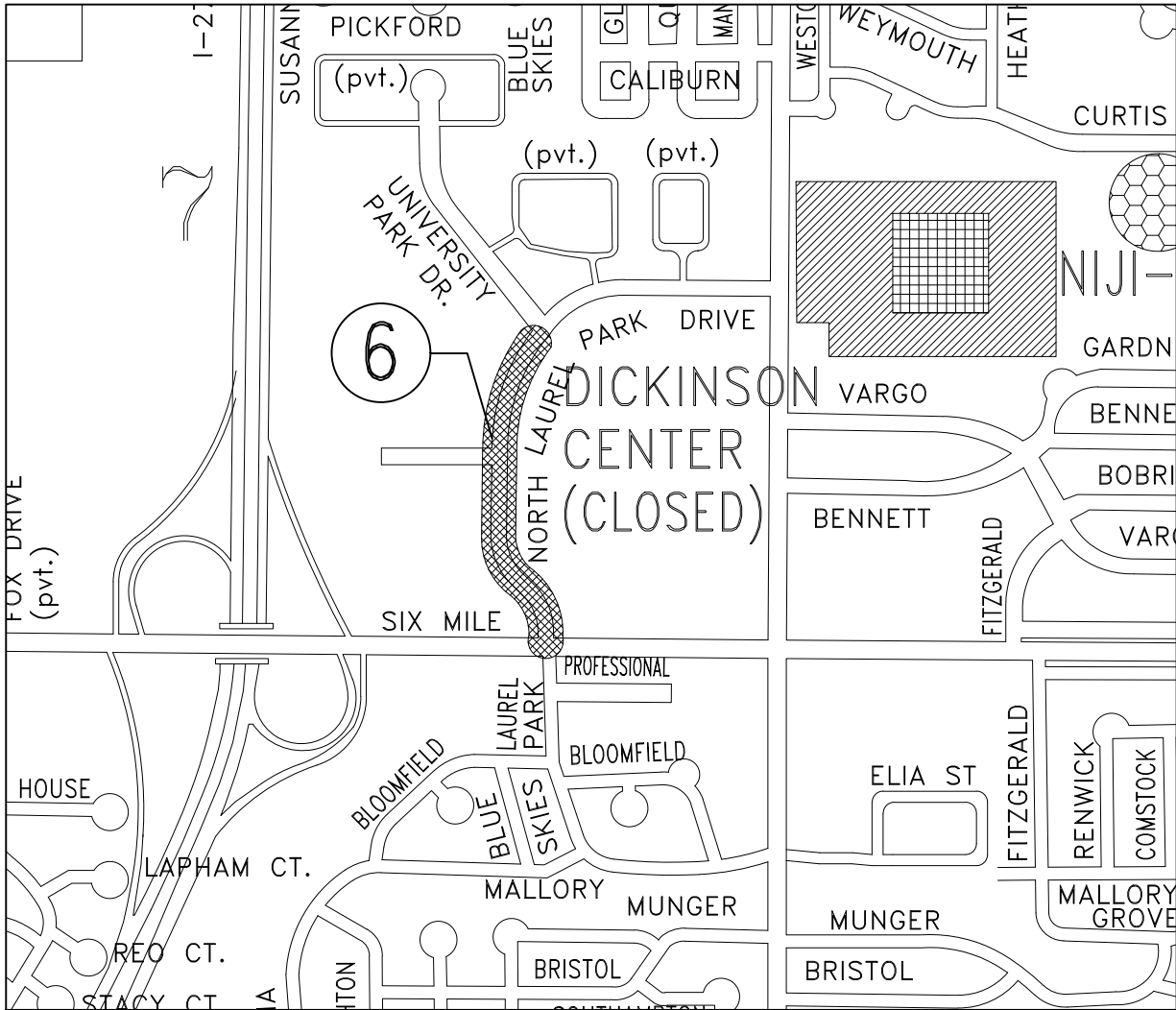


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2024 ASPHALT PAVING PROGRAM

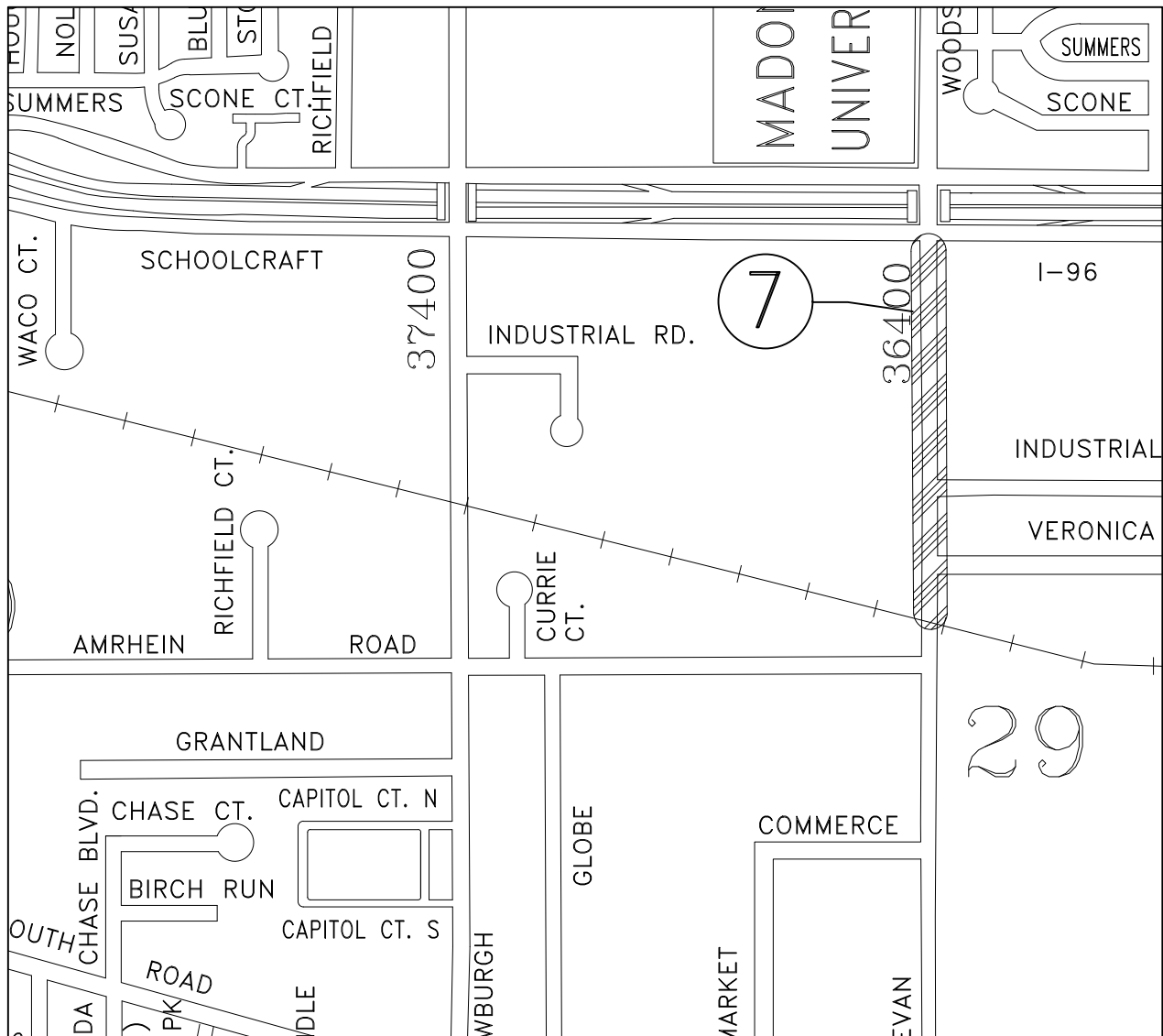
PROJECT LOCATION MAP



- | | | | |
|---|---|---|--|
|  | ELEMENTARY SCHOOLS |  | 2024 ROADS-ASPHALT REHABILITATION (MILL/FILL OR INLAY) |
|  | MIDDLE SCHOOLS |  | 2024 ROADS-ASPHALT RECONSTRUCT |
|  | SENIOR HIGH SCHOOLS | | |
|  | PARK SITES | | |
|  | SCHOOL OWNED, BUT NOT USED FOR K-12 INSTRUCTION | | |

2024 ASPHALT PAVING PROGRAM

PROJECT LOCATION MAP



ELEMENTARY SCHOOLS



MIDDLE SCHOOLS



SENIOR HIGH SCHOOLS



PARK SITES



SCHOOL OWNED, BUT NOT
USED FOR K-12 INSTRUCTION



2024 ROADS-ASPHALT REHABILITATION (MILL/FILL OR INLAY)



2024 ROADS-ASPHALT RECONSTRUCT

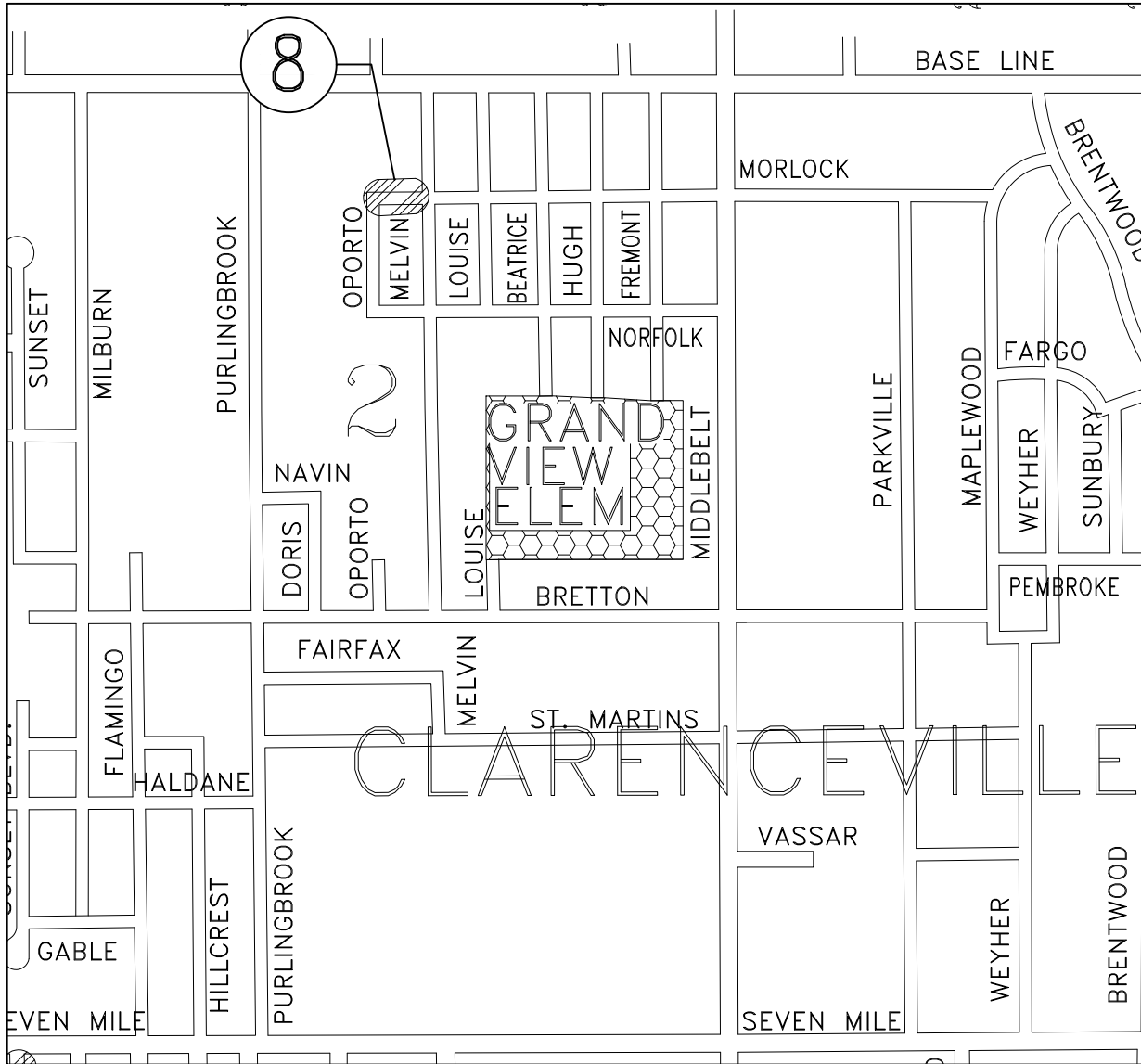


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2024 ASPHALT PAVING PROGRAM

PROJECT LOCATION MAP



- | | | | |
|---|---|---|--|
|  | ELEMENTARY SCHOOLS |  | 2024 ROADS-ASPHALT REHABILITATION (MILL/FILL OR INLAY) |
|  | MIDDLE SCHOOLS |  | 2024 ROADS-ASPHALT RECONSTRUCT |
|  | SENIOR HIGH SCHOOLS | | |
|  | PARK SITES | | |
|  | SCHOOL OWNED, BUT NOT USED FOR K-12 INSTRUCTION | | |

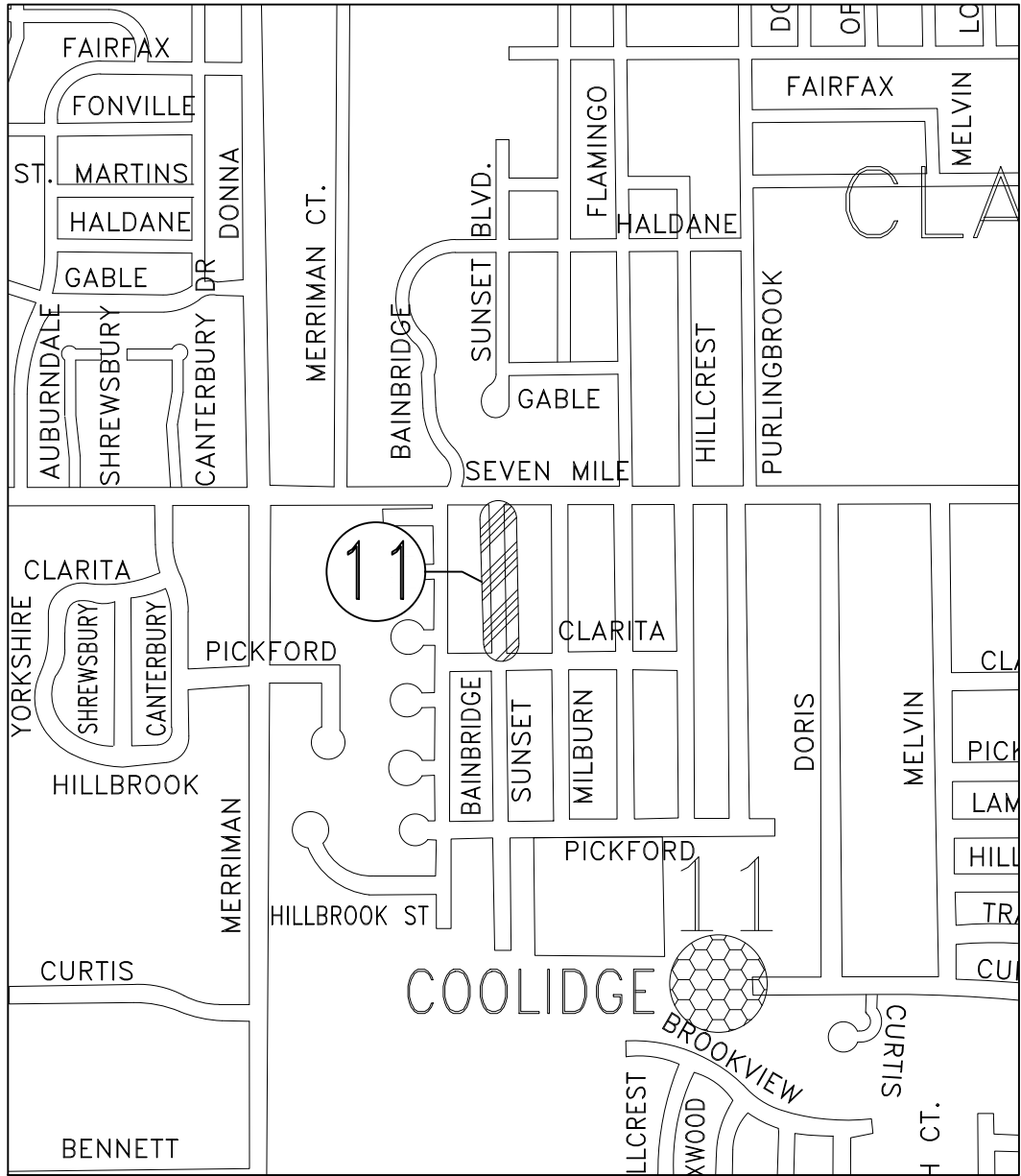


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2024 ASPHALT PAVING PROGRAM

PROJECT LOCATION MAP

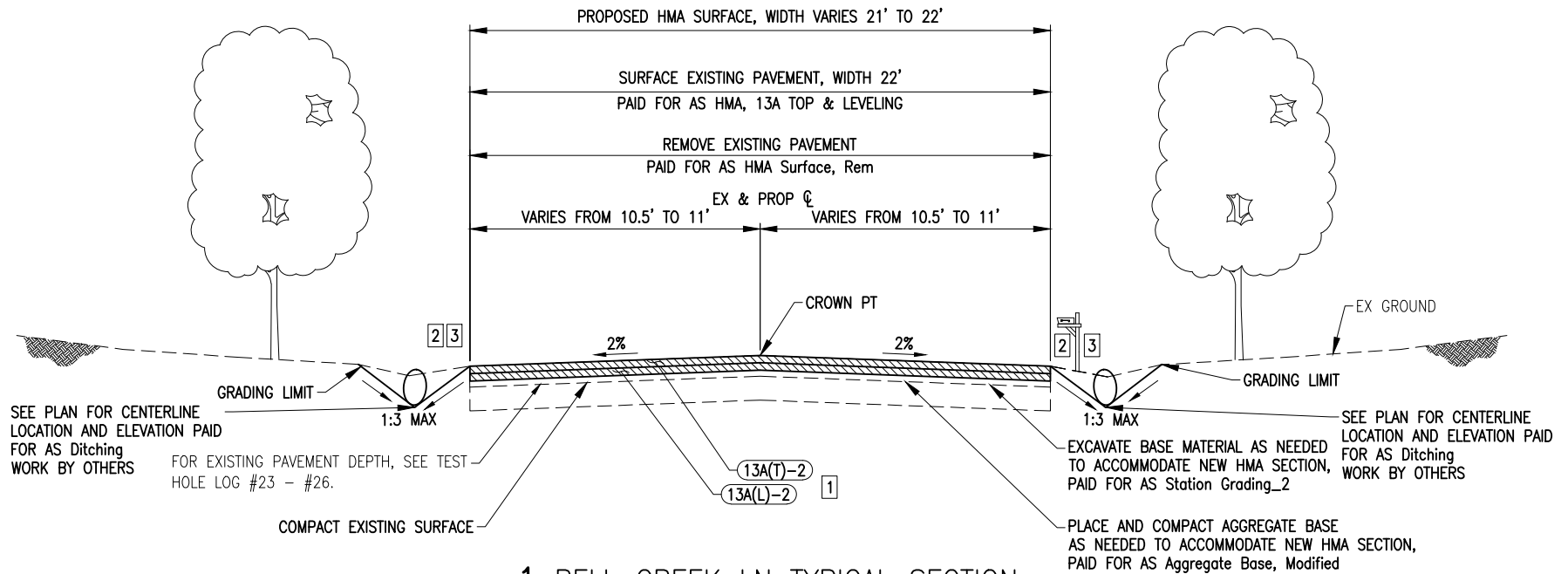


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|---|---|---|--|
|  | ELEMENTARY SCHOOLS |  | 2024 ROADS-ASPHALT REHABILITATION (MILL/FILL OR INLAY) |
|  | MIDDLE SCHOOLS |  | 2024 ROADS-ASPHALT RECONSTRUCT |
|  | SENIOR HIGH SCHOOLS | | |
|  | PARK SITES | | |
|  | SCHOOL OWNED, BUT NOT USED FOR K-12 INSTRUCTION | | |



PLANS PREPARED BY:

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1 BELL CREEK LN TYPICAL SECTION FARMINGTON RD TO SIX MILE RD STA 0+00 TO STA 25+40

- 1 HMA LAYER THICKNESSES: 13A(T)-2: 2.0"
13A(L)-2: 2.0"
- 2 ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH **Surface Restoration, Seeding**. FROM ROAD EDGE TO DITCH CENTERLINE
- 3 REFER TO "SOIL EROSION AND SEDIMENTATION CONTROL" SPECIAL PROVISION FOR PROPER SEQUENCING OF ALL WORK ITEMS.

1 BELL CREEK LN TYPICAL CROSS SECTION (INLAY)



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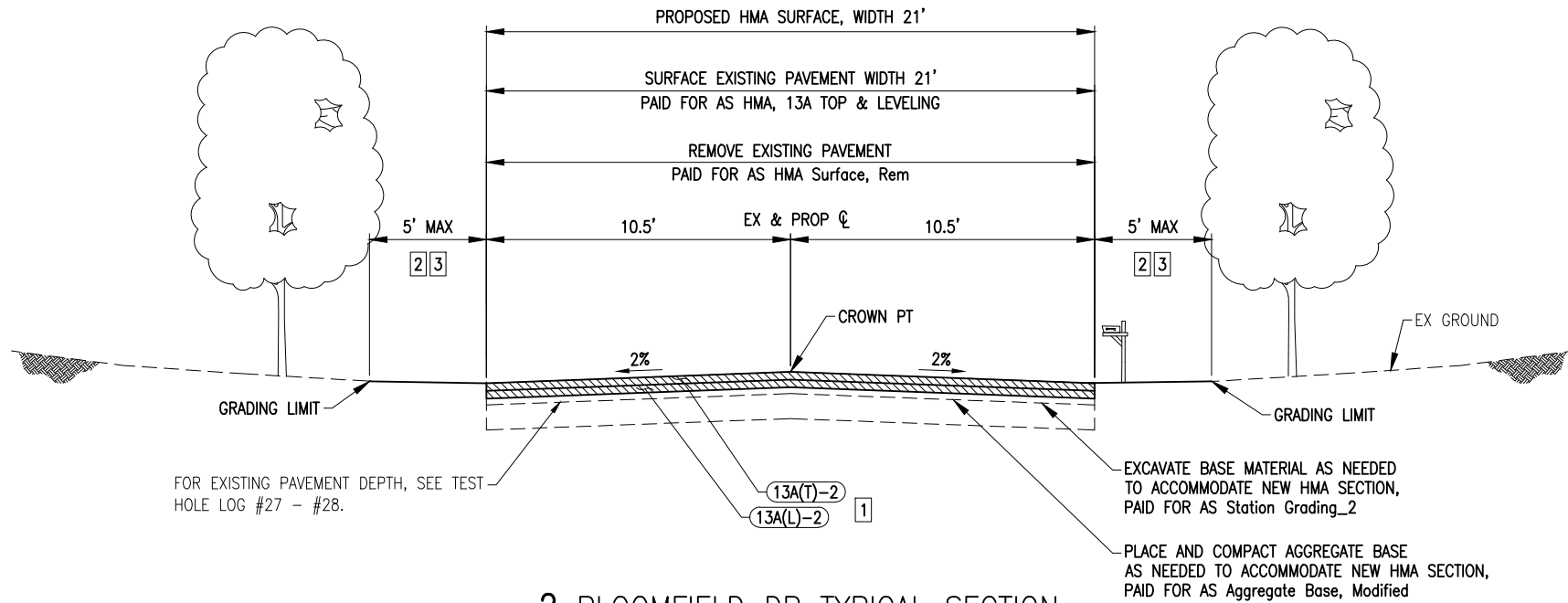
SCALE:
N.T.S.

DATE:
01/08/2024

CLIENT
CITY OF LIVONIA

OHM JOB
0090-23-0080

SHEET NO.:
TYP-01



2 BLOOMFIELD DR TYPICAL SECTION LOVELAND AVE TO BELL CREEK LN STA 0+00 TO STA 8+59

- 1 HMA LAYER THICKNESSES: 13A(T)-2: 2.0"
13A(L)-2: 2.0"
- 2 ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH **Surface Restoration, Seeding.**
- 3 REFER TO "SOIL EROSION AND SEDIMENTATION CONTROL" SPECIAL PROVISION FOR PROPER SEQUENCING OF ALL WORK ITEMS.

2 BLOOMFIELD DR TYPICAL CROSS SECTION (INLAY)



Engineering Advisors
34000 Plymouth Road | Livonia, MI 48150
p (734) 522-6711 | f (734) 522-6427

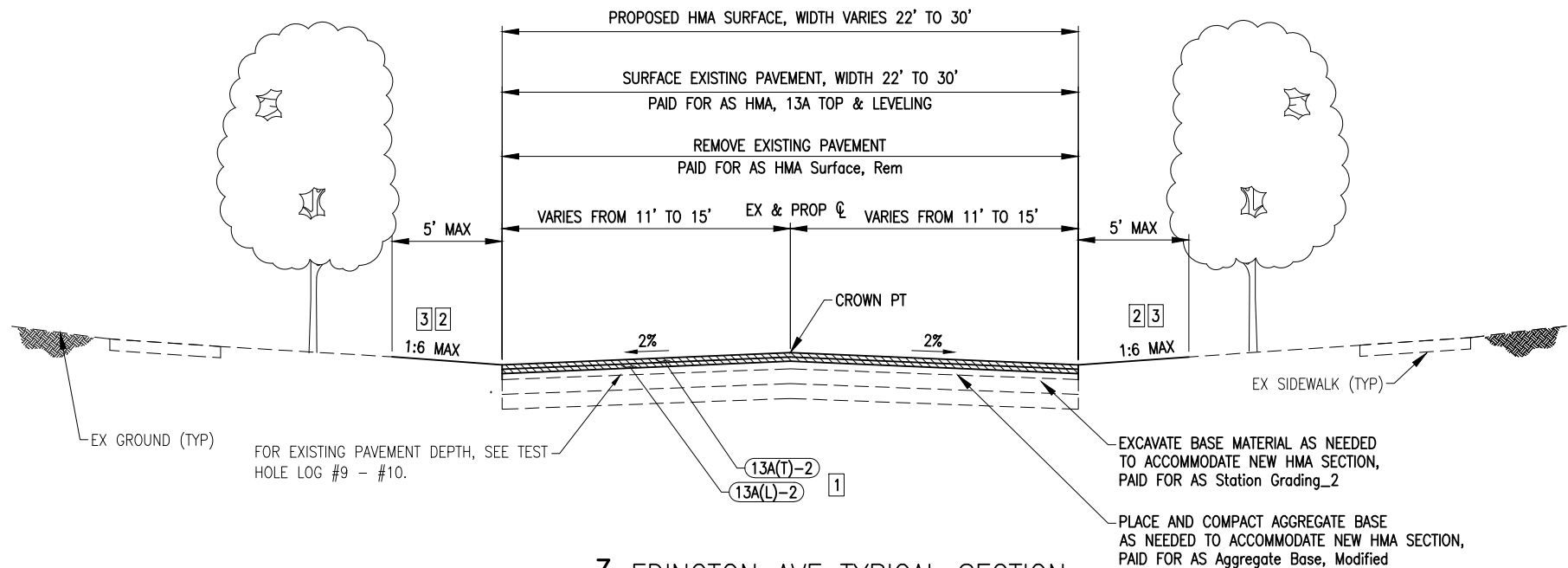
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DATE:
01/08/2024

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CITY OF LIVONIA

OHM JOB
0090-23-0080

SHEET NO.:
TYP-02



3 EDINGTON AVE TYPICAL SECTION FIVE MILE RD TO ROYCROFT AVE STA 0+00 TO STA 7+50

- 1 HMA LAYER THICKNESSES: 13A(T)-2: 2.0"
13A(L)-2: 2.0"
- 2 ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH **Surface Restoration, Seeding.**
- 3 REFER TO "SOIL EROSION AND SEDIMENTATION CONTROL" SPECIAL PROVISION FOR PROPER SEQUENCING OF ALL WORK ITEMS.

3 EDINGTON RD TYPICAL CROSS SECTION (INLAY)



Engineering Advisors
34000 Plymouth Road | Livonia, MI 48150
p (734) 522-6711 | f (734) 522-6427

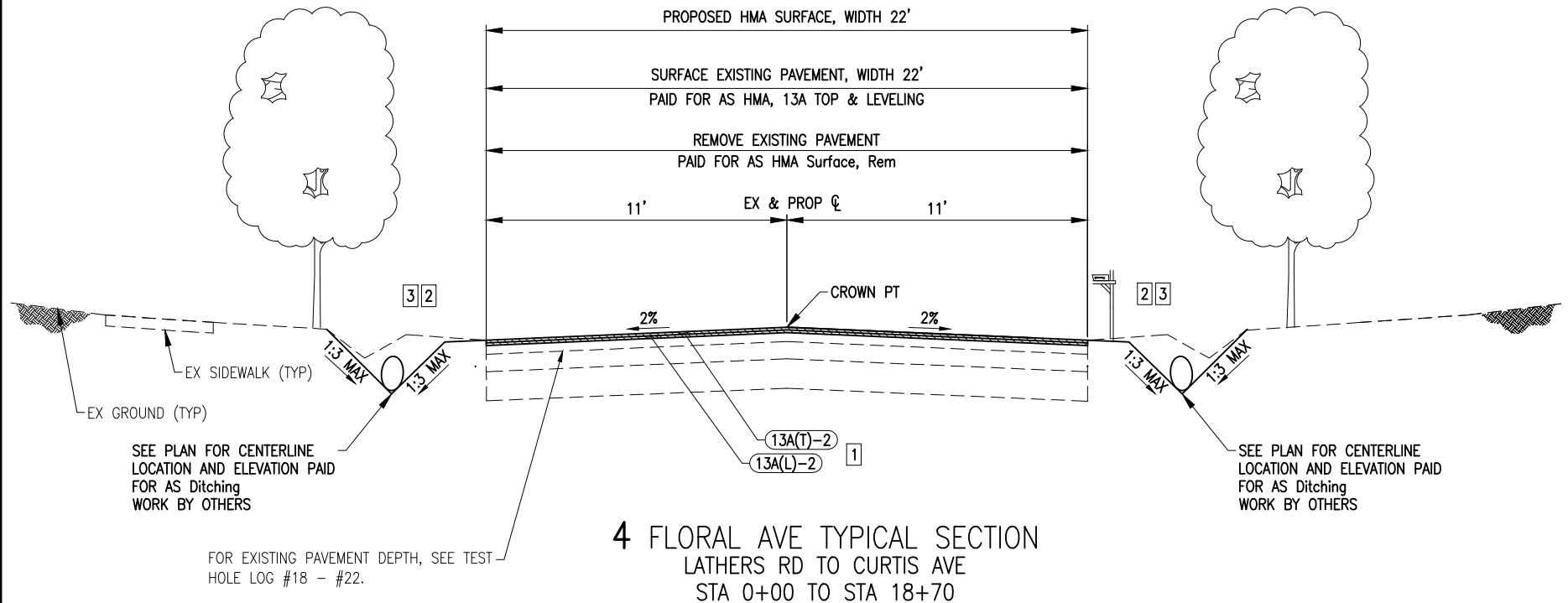
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DATE:
01/08/2024

CLIENT
CITY OF LIVONIA

OHM JOB
0090-23-0080

SHEET NO.:
TYP-03



4 FLORAL AVE TYPICAL CROSS SECTION (INLAY)



Engineering Advisors
34000 Plymouth Road | Livonia, MI 48150
p (734) 522-6711 | f (734) 522-6427

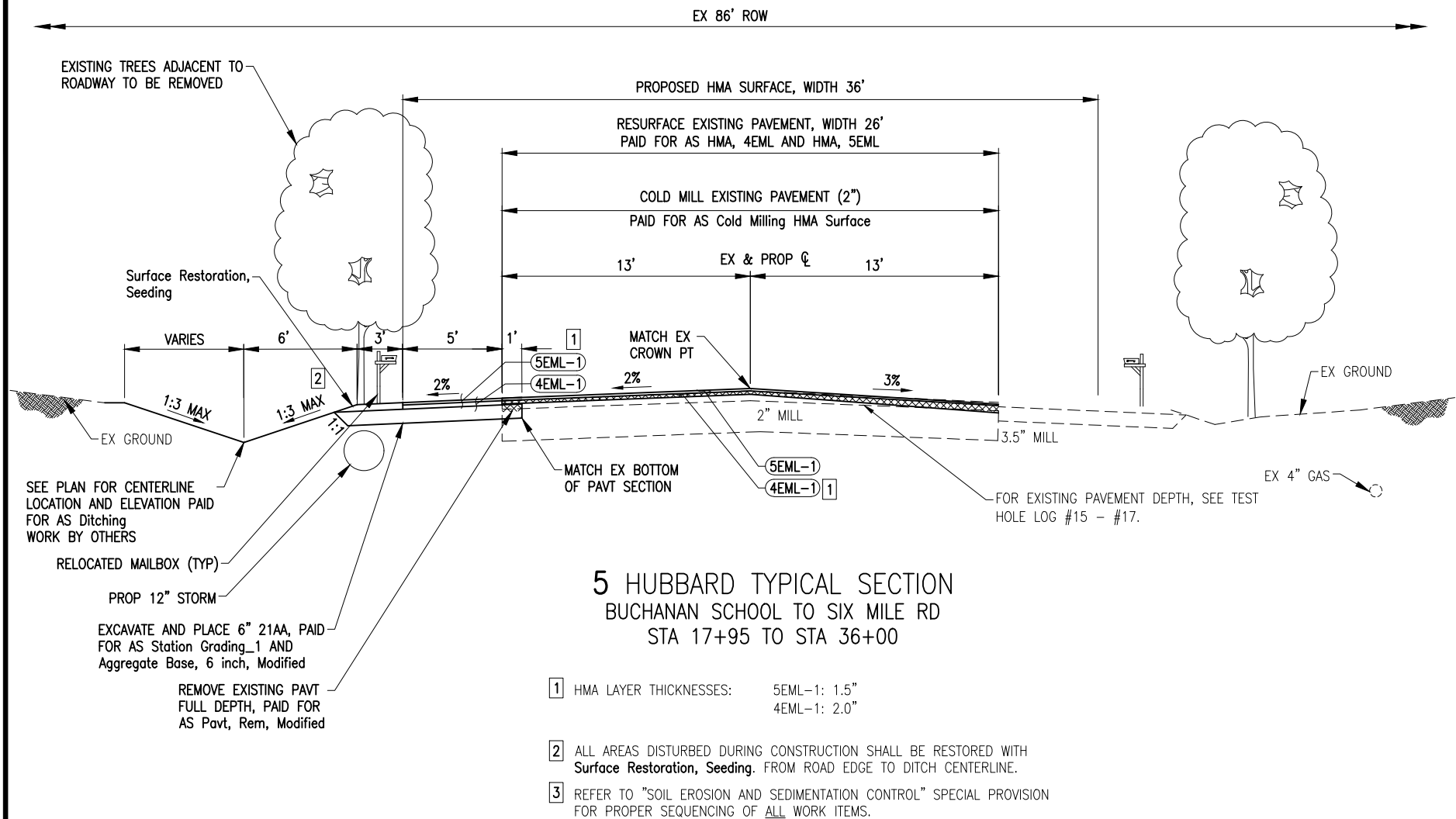
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01/08/2024

CLIENT
CITY OF LIVONIA

OHM JOB
0090-23-0080

SHEET NO.:
TYP-04



5 HUBBARD RD TYPICAL CROSS SECTION (2" MILL AND 3.5" OVERLAY)



Engineering Advisors
34000 Plymouth Road | Livonia, MI 48150
p (734) 522-6711 | f (734) 522-6427

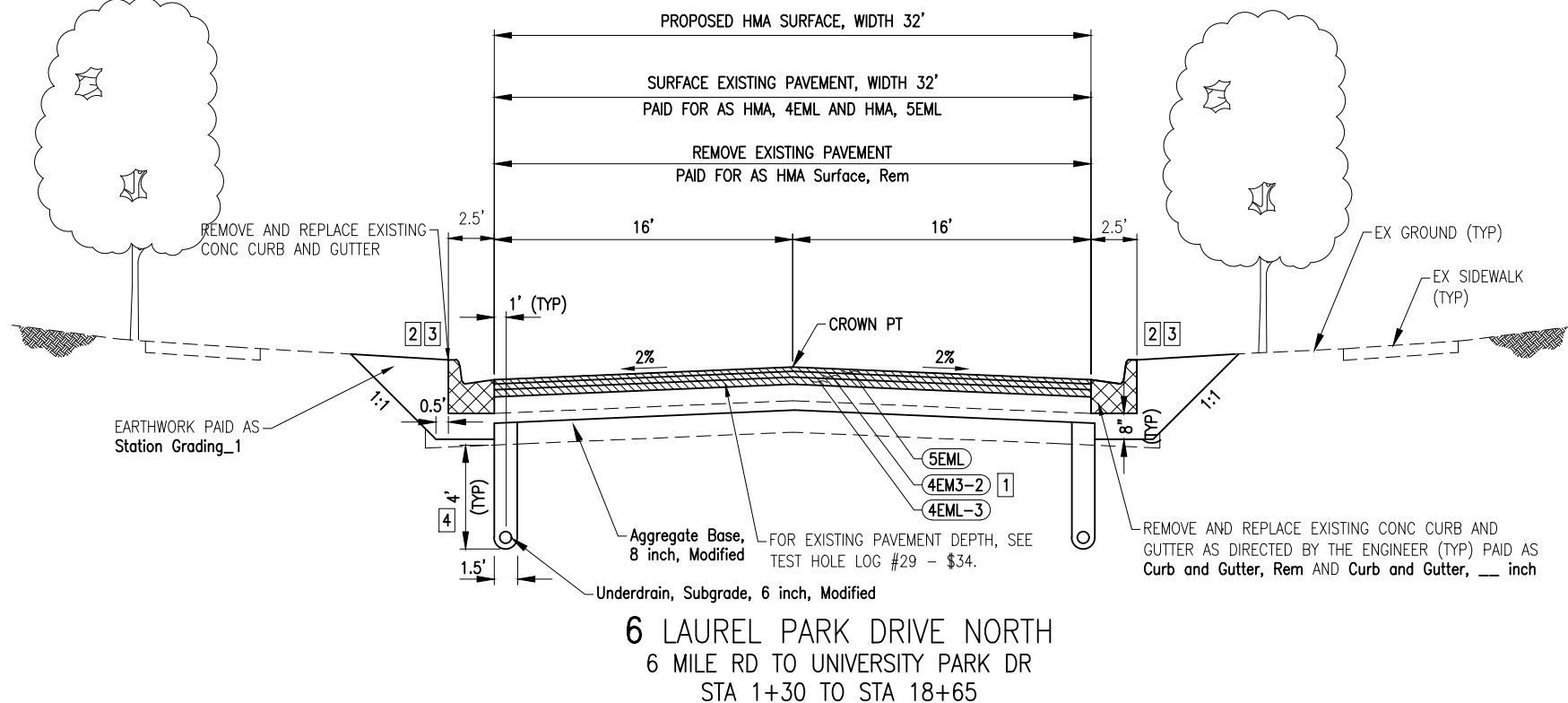
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01/08/2024

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CITY OF LIVONIA

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0090-23-0080

SHEET NO.:
TYP-05



- 1 HMA LAYER THICKNESSES: 5EML: 1.5"
4EML-2: 2.0"
4EML-3: 2.5"
- 2 ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH **Surface Restoration, Seeding.**
- 3 REFER TO "SOIL EROSION AND SEDIMENTATION CONTROL" SPECIAL PROVISION FOR PROPER SEQUENCING OF ALL WORK ITEMS.
- 4 DEPTH OF **Underdrain, Subgrade, 6 inch, Modified** SHALL BE 4' BELOW PROPOSED AGGREGATE BASE UNLESS OUTLET ELEVATION REQUIRES LESS, AS DETERMINED BY THE ENGINEER.

6 LAUREL PARK DR TYPICAL CROSS SECTION (RECONSTRUCTION)



Engineering Advisors
34000 Plymouth Road | Livonia, MI 48150
p (734) 522-6711 | f (734) 522-6427

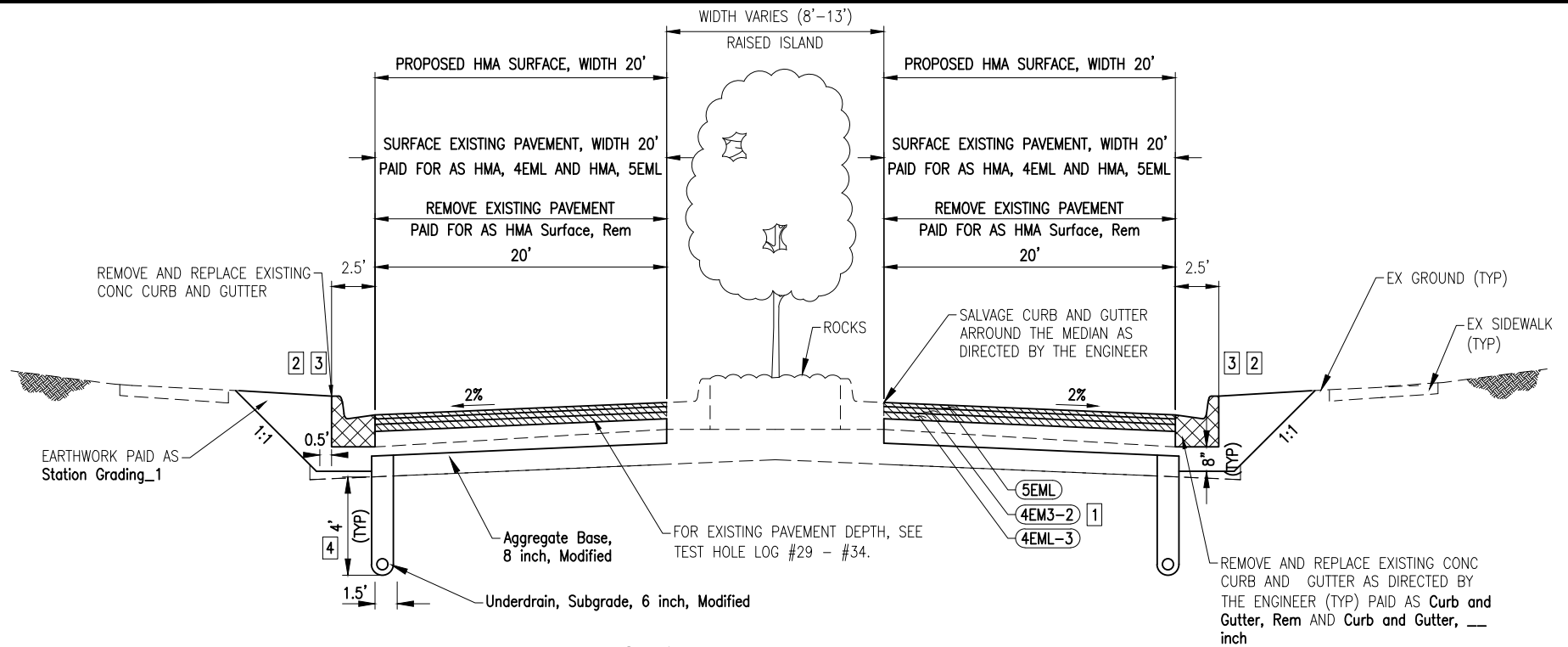
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DATE:
01/08/2024

CLIENT
CITY OF LIVONIA

OHM JOB
0090-23-0080

SHEET NO.:
TYP-06



6-A LAUREL PARK DRIVE NORTH
 6 MILE RD TO UNIVERSITY PARK DR
 STA 0+00 TO STA 1+30

- 1 HMA LAYER THICKNESSES: 5EML: 1.5"
 4EML-2: 2.0"
 4EML-3: 2.5"
- 2 ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH **Surface Restoration, Seeding**.
- 3 REFER TO "SOIL EROSION AND SEDIMENTATION CONTROL" SPECIAL PROVISION FOR PROPER SEQUENCING OF ALL WORK ITEMS.
- 4 DEPTH OF **Underdrain, Subgrade, 6 inch, Modified** SHALL BE 4' BELOW PROPOSED AGGREGATE BASE UNLESS OUTLET ELEVATION REQUIRES LESS, AS DETERMINED BY THE ENGINEER.

6-A LAUREL PARK DR TYPICAL CROSS SECTION (RECONSTRUCTION)



Engineering Advisors
 34000 Plymouth Road | Livonia, MI 48150
 p (734) 522-6711 | f (734) 522-6427

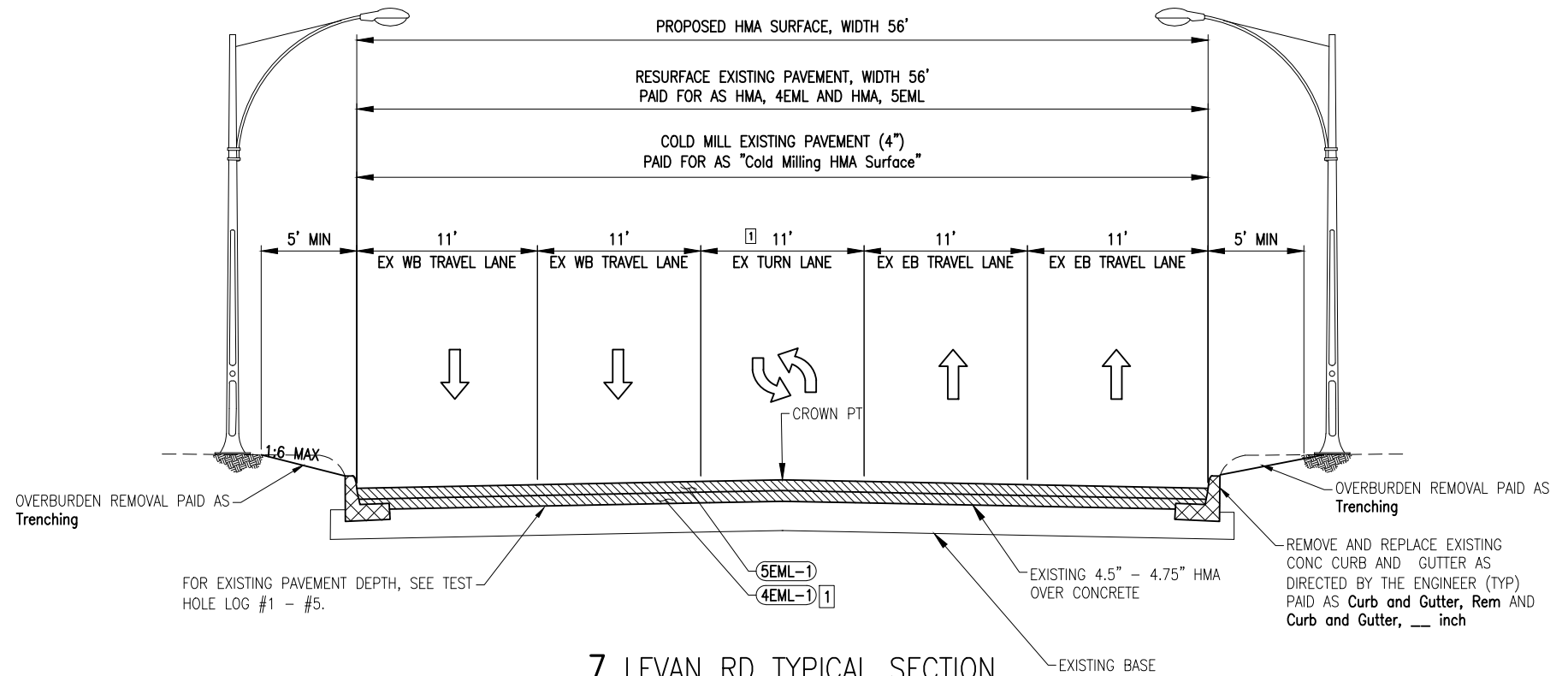
SCALE:
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DATE:
 01/08/2024

CLIENT
 CITY OF LIVONIA

OHM JOB
 0090-23-0080

SHEET NO.:
 TYP-06A



7 LEVAN RD TYPICAL SECTION
CSX RAILROAD TRACKS TO SCHOOLCRAFT RD
STA 0+00 TO STA 23+11

- 1 HMA LAYER THICKNESSES: 5EML-1: 1.5"
4EML-1: 2.0"
- 2 ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH **Surface Restoration, Seeding.**
- 3 REFER TO "SOIL EROSION AND SEDIMENTATION CONTROL" SPECIAL PROVISION FOR PROPER SEQUENCING OF ALL WORK ITEMS.

7 LEVAN RD TYPICAL CROSS SECTION (4" MILL AND FILL)



Engineering Advisors
34000 Plymouth Road | Livonia, MI 48150
p (734) 522-6711 | f (734) 522-6427

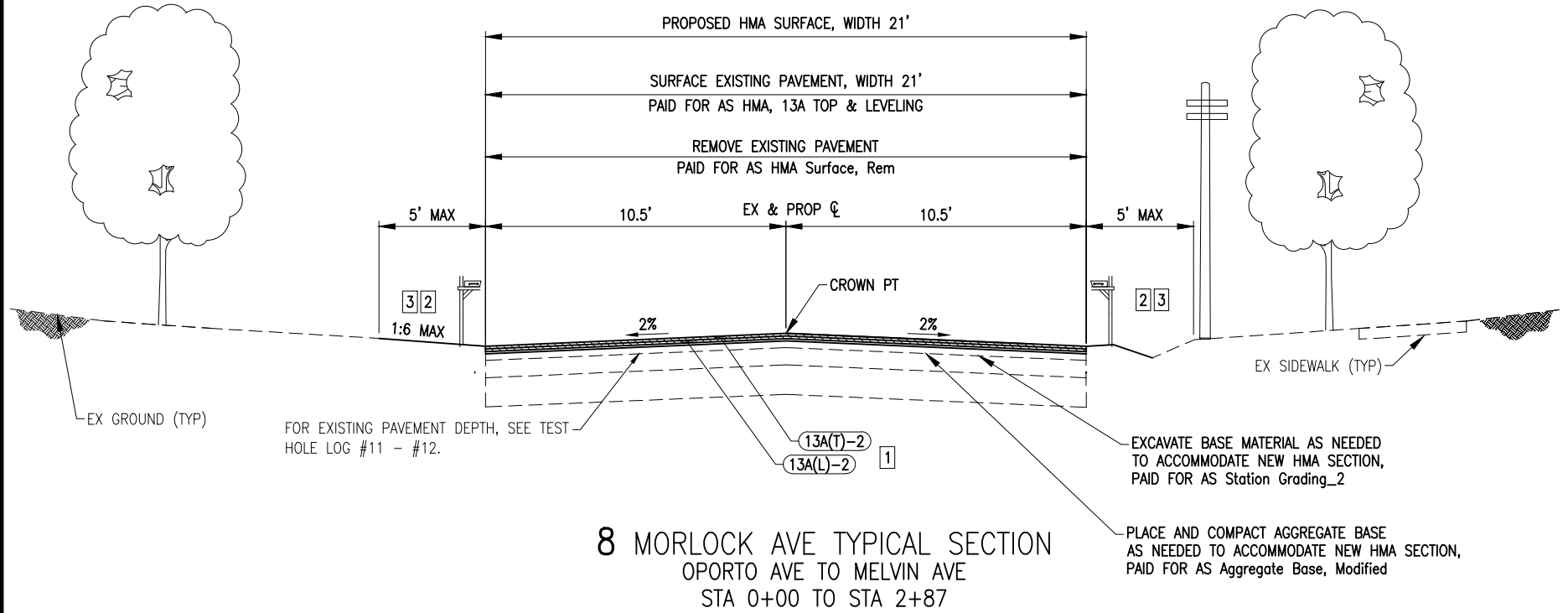
SCALE:
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DATE:
01/08/2024

CLIENT
CITY OF LIVONIA

OHM JOB
0090-23-0080

SHEET NO.:
TYP-07



- 1 HMA LAYER THICKNESSES: 13A(T)-2: 2.0"
13A(L)-2: 2.0"
- 2 ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH **Surface Restoration, Seeding.**
- 3 REFER TO "SOIL EROSION AND SEDIMENTATION CONTROL" SPECIAL PROVISION FOR PROPER SEQUENCING OF ALL WORK ITEMS.

8 MORLOCK AVE TYPICAL CROSS SECTION (INLAY)



Engineering Advisors
34000 Plymouth Road | Livonia, MI 48150
p (734) 522-6711 | f (734) 522-6427

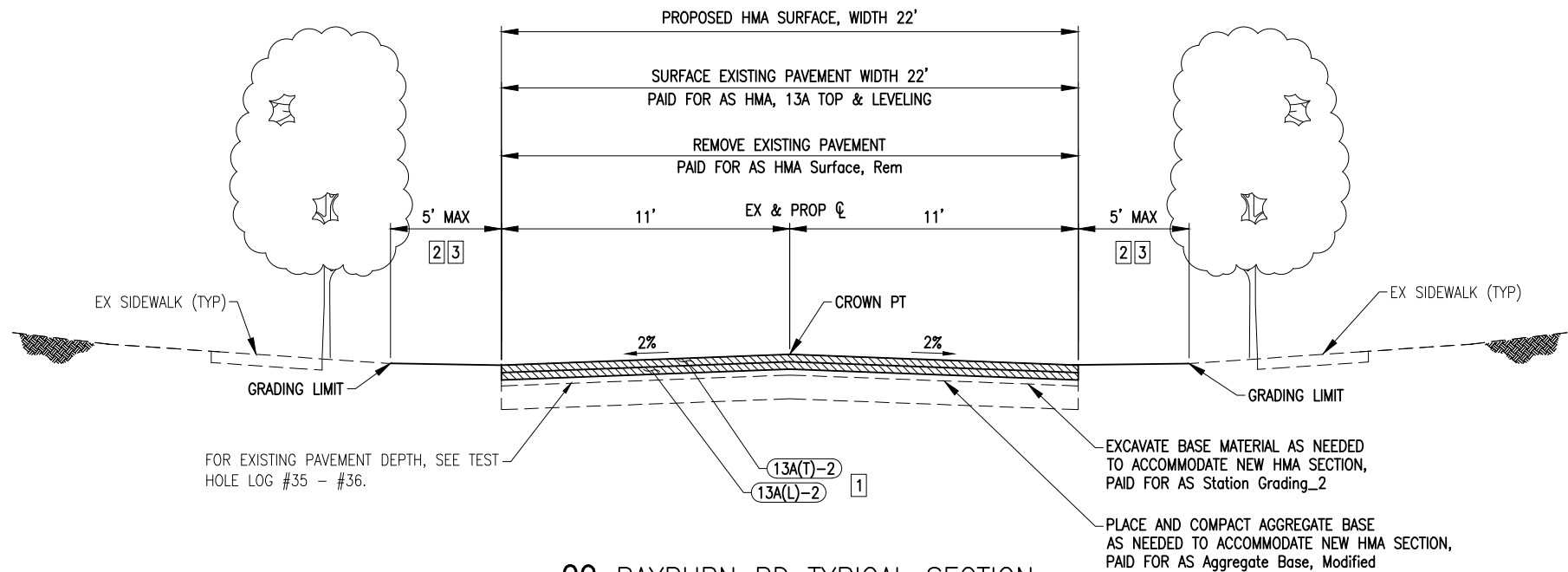
SCALE:
N.T.S.

DATE:
01/08/2024

CLIENT
CITY OF LIVONIA

OHM JOB
0090-23-0080

SHEET NO.:
TYP-08



09 RAYBURN RD TYPICAL SECTION STANFORD ST TO WHITBY ST STA 0+00 TO STA 3+00

- 1 HMA LAYER THICKNESSES: 13A(T)-2: 2.0"
13A(L)-2: 2.0"
- 2 ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH **Surface Restoration, Seeding.**
- 3 REFER TO "SOIL EROSION AND SEDIMENTATION CONTROL" SPECIAL PROVISION FOR PROPER SEQUENCING OF ALL WORK ITEMS.

09 RAYBURN RD TYPICAL CROSS SECTION (INLAY)



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34000 Plymouth Road | Livonia, MI 48150
p (734) 522-6711 | f (734) 522-6427

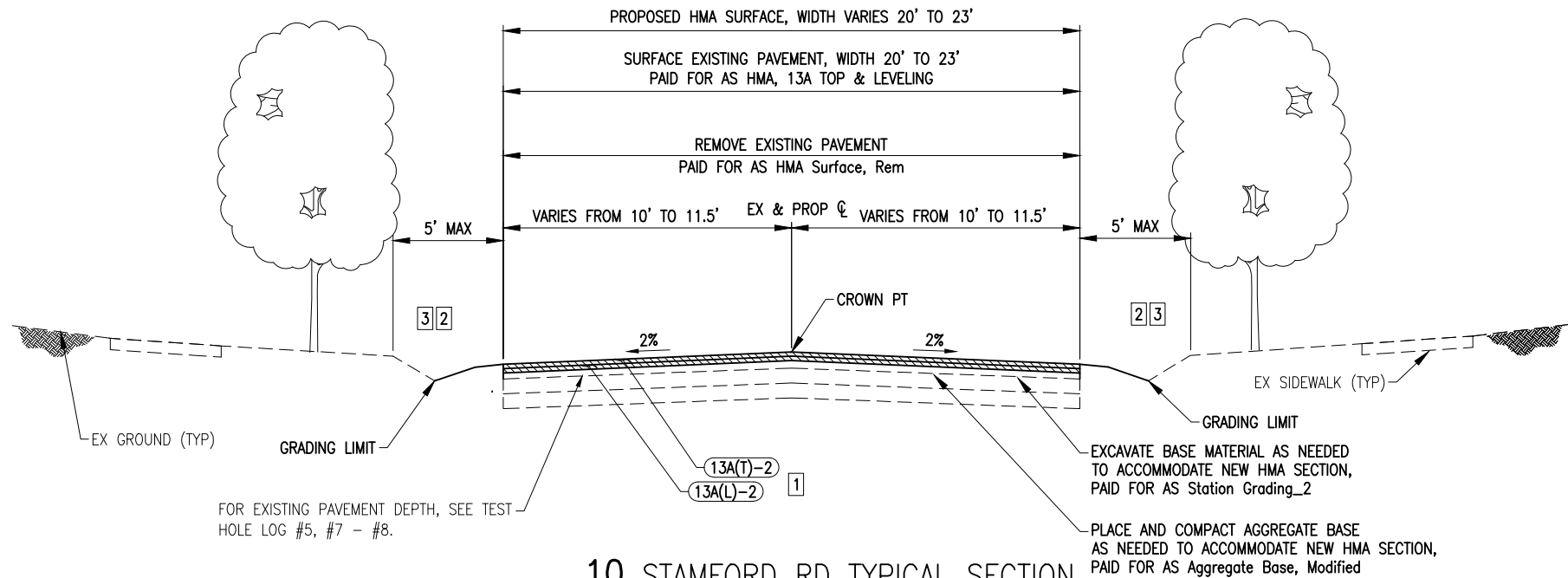
SCALE:
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DATE:
1/26/2024

CLIENT
CITY OF LIVONIA

OHM JOB
0090-23-0080

SHEET NO.:
TYP-09



10 STAMFORD RD TYPICAL SECTION ROYCROFT AVE TO RAYBURN AVE STA 0+00 TO STA 10+29

- 1 HMA LAYER THICKNESSES: 13A(T)-2: 2.0"
13A(L)-2: 2.0"
- 2 ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH
Surface Restoration, Seeding.
- 3 REFER TO "SOIL EROSION AND SEDIMENTATION CONTROL" SPECIAL PROVISION
FOR PROPER SEQUENCING OF ALL WORK ITEMS.

10 STAMFORD RD TYPICAL CROSS SECTION (INLAY)



Engineering Advisors
34000 Plymouth Road | Livonia, MI 48150
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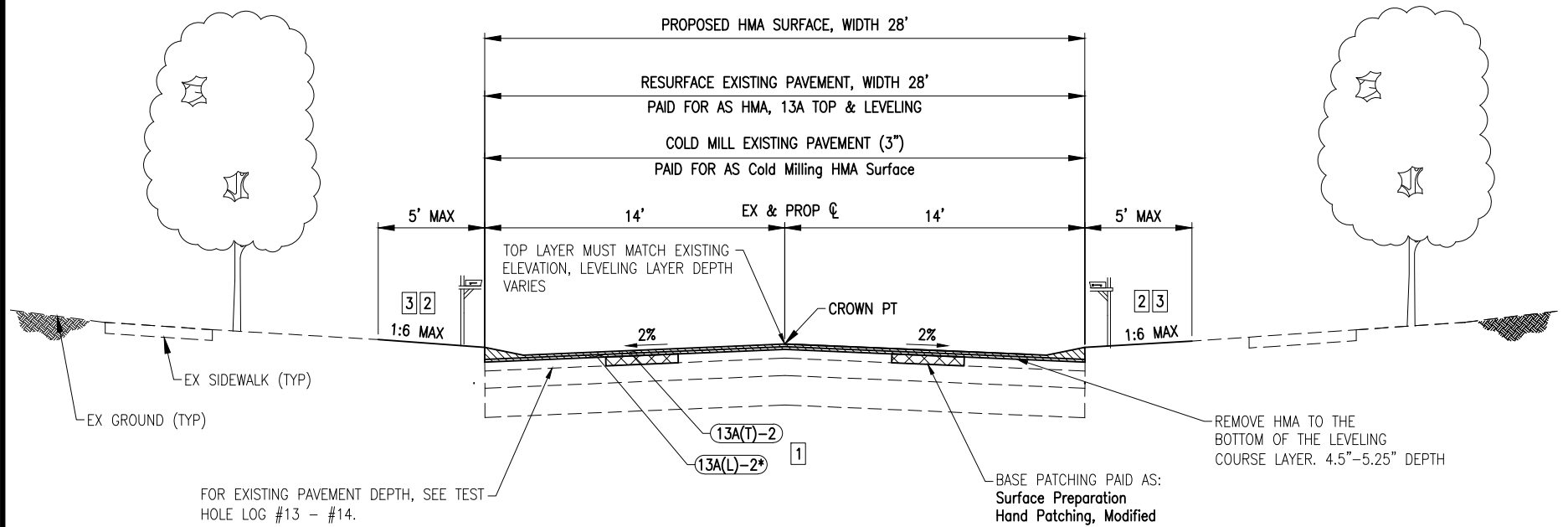
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DATE:
01/08/2024

CLIENT
CITY OF LIVONIA

OHM JOB
0090-23-0080

SHEET NO.:
TYP-10



11 SUNSET BLVD TYPICAL SECTION CLARITA AVE TO SEVEN MILE RD STA 0+00 TO STA 7+90

- 1 HMA LAYER THICKNESSES: 13A(T)-2: 2.0"
13A(L)-2*: 2.875" (DEPTH VARIES)
- 2 ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH **Surface Restoration, Seeding.**
- 3 REFER TO "SOIL EROSION AND SEDIMENTATION CONTROL" SPECIAL PROVISION FOR PROPER SEQUENCING OF ALL WORK ITEMS.

11 SUNSET BLVD TYPICAL CROSS SECTION (MILL AND FILL)



Engineering Advisors
34000 Plymouth Road | Livonia, MI 48150
p (734) 522-6711 | f (734) 522-6427

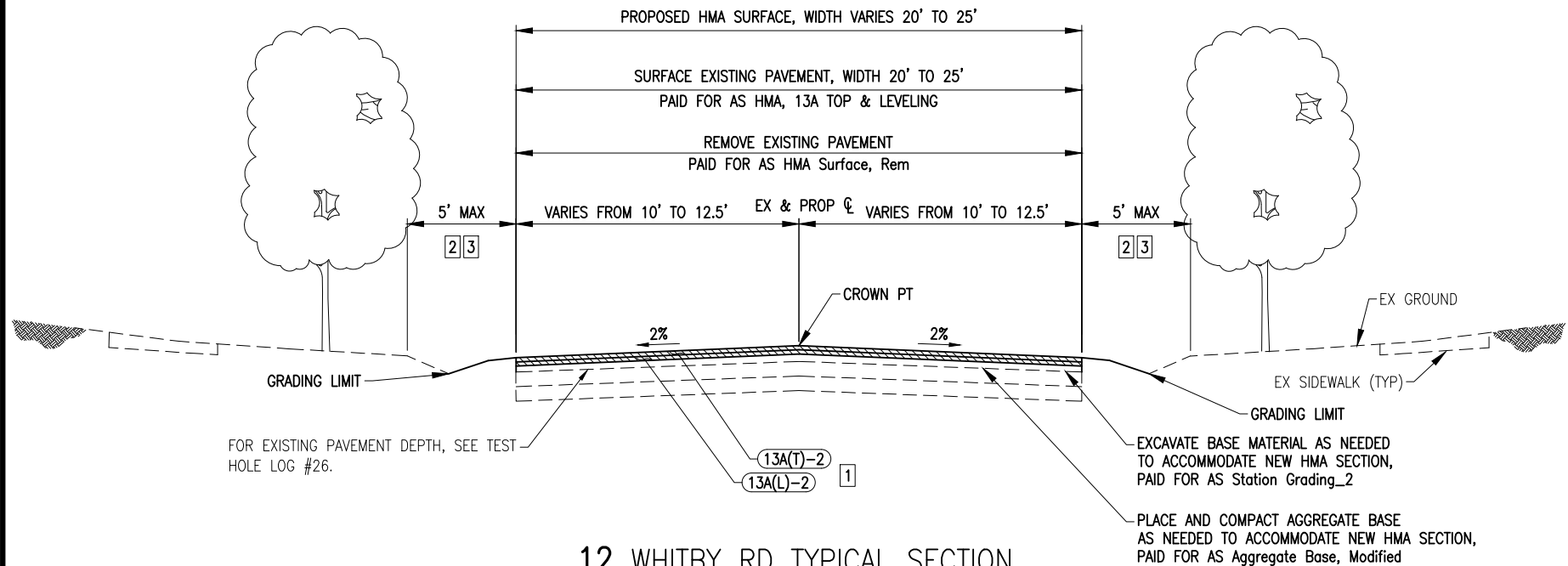
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01/08/2024

CLIENT
CITY OF LIVONIA

OHM JOB
0090-23-0080

SHEET NO.:
TYP-11



12 WHITBY RD TYPICAL SECTION DORAIS AVE TO HAMPSHIRE RD STA 0+00 TO STA 10+25

- 1 HMA LAYER THICKNESSES: 13A(T)-2: 2.0"
13A(L)-2: 2.0"
- 2 ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH **Surface Restoration, Seeding.**
- 3 REFER TO "SOIL EROSION AND SEDIMENTATION CONTROL" SPECIAL PROVISION FOR PROPER SEQUENCING OF ALL WORK ITEMS.

12 WHITBY RD TYPICAL CROSS SECTION (INLAY)



Engineering Advisors

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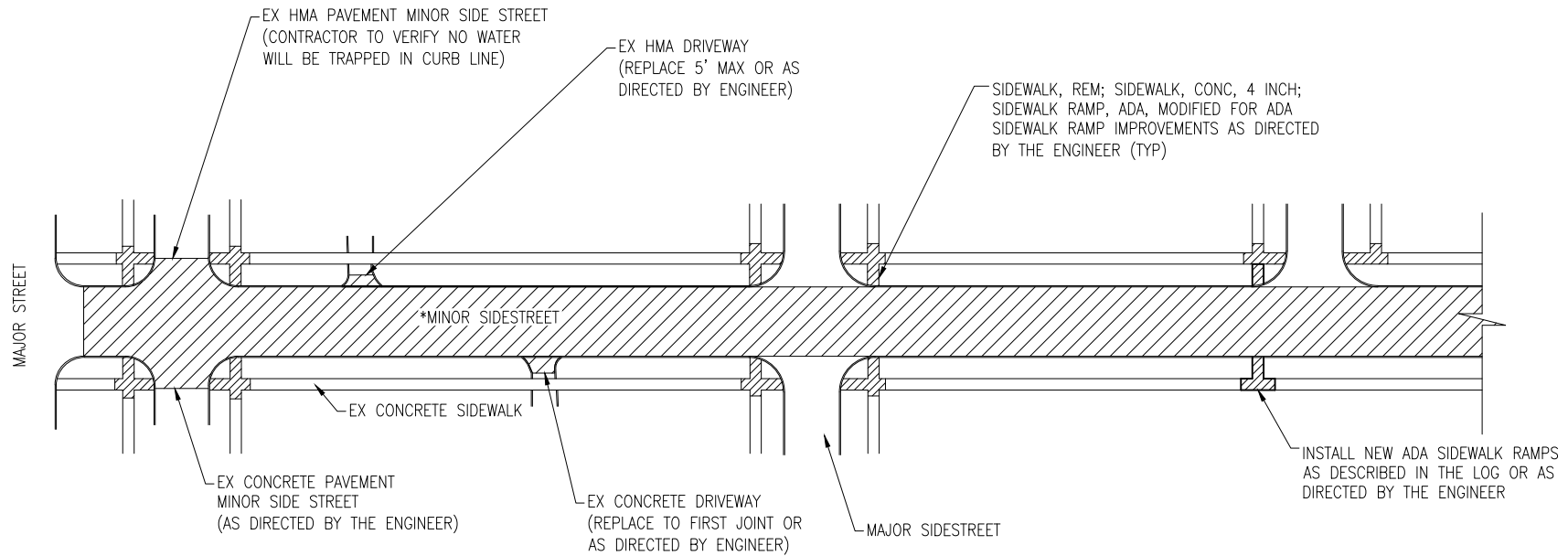
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NOTE:

(*) AS SPECIFIED IN LOG OF PROJECT

THE LIMITS OF WORK AS SHOWN ARE FOR INFORMATION PURPOSES ONLY.

THE EXACT LIMITS ARE TO BE DETERMINED BY THE ENGINEER PRIOR TO THE MILLING OR PAVEMENT REMOVAL OPERATION.

AT MAJOR ROAD INTERSECTIONS, THE WORK SHALL STOP PRIOR TO THE MAJOR INTERSECTION RADIUS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

REFER TO MDOT STANDARD PLAN R-28 SERIES FOR SIDEWALK RAMP DETAILS.

ONLY DRIVEWAYS SPECIFIED BY THE ENGINEER SHALL BE REPLACED.

 PAVEMENT WORK AREA LIMITS

WORK LIMITS FOR RESIDENTIAL STREETS AND DRIVEWAY APPROACHES



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HMA APPLICATION ESTIMATE						
MIX TYPE	ITEM DESCRIPTION	TIER	RATE OF APPL. LB/SYD	EST THICKNESS (INCHES)	PERFORMANCE GRADE	LOCATION/NOTES
13A(T)-1	HMA, 13A (TOP)		165	1.5	64 - 22	TOP COURSE; AWI = 260 MIN.
13A(T)-2	HMA, 13A (TOP)		220	2.0	64 - 22	TOP COURSE; AWI = 260 MIN.
13A(L)-1	HMA, 13A (LEVELING)		165	1.5	64 - 22	LEVELING COURSE
13A(L)-2	HMA, 13A (LEVELING)		220	2.0	64 - 22	LEVELING COURSE
13A(L)-3	HMA, 13A (LEVELING)		275	2.5	64 - 22	BASE COURSE
5EML	HMA, 5EML	TIER 1	165	1.5	64 - 22	TOP COURSE; AWI = 260 MIN. (LAUREL PARK AND GILL RD)
4EML-2	HMA, 4EML	TIER 2	220	2	64-22	LEVELING COURSE; AWI = 260 MIN. (LAUREL PARK AND GILL RD)
4EML-3	HMA, 4EML	TIER 2	275	2.5	64-22	BASE COURSE; AWI = 260 MIN. (LAUREL PARK)
36A-1	HMA, 36A		165	1.5	58 - 28	2 LIFTS OF 1.5" (3.0" TOTAL) FOR HMA RESIDENTIAL DRIVEWAYS; AWI = 260 MIN.
36A-2	HMA, 36A		220	2.0	58 - 28	2 LIFTS OF 2.0" (4.0" TOTAL) FOR HMA COMMERCIAL DRIVEWAYS; AWI = 260 MIN.
HPM-1	HAND PATCHING, MODIFIED		VARIES	VARIES	64 - 22	HMA, 13A (TOP)
HPS	HAND PATCHING, SPECIAL		VARIES	VARIES	64 - 22	HMA, 13A (LEVELING), (TOP)
*HMA BOND COAT SS-1H : 0.05 - 0.10 GAL/SYD						INCLUDED IN COST OF HMA ITEMS

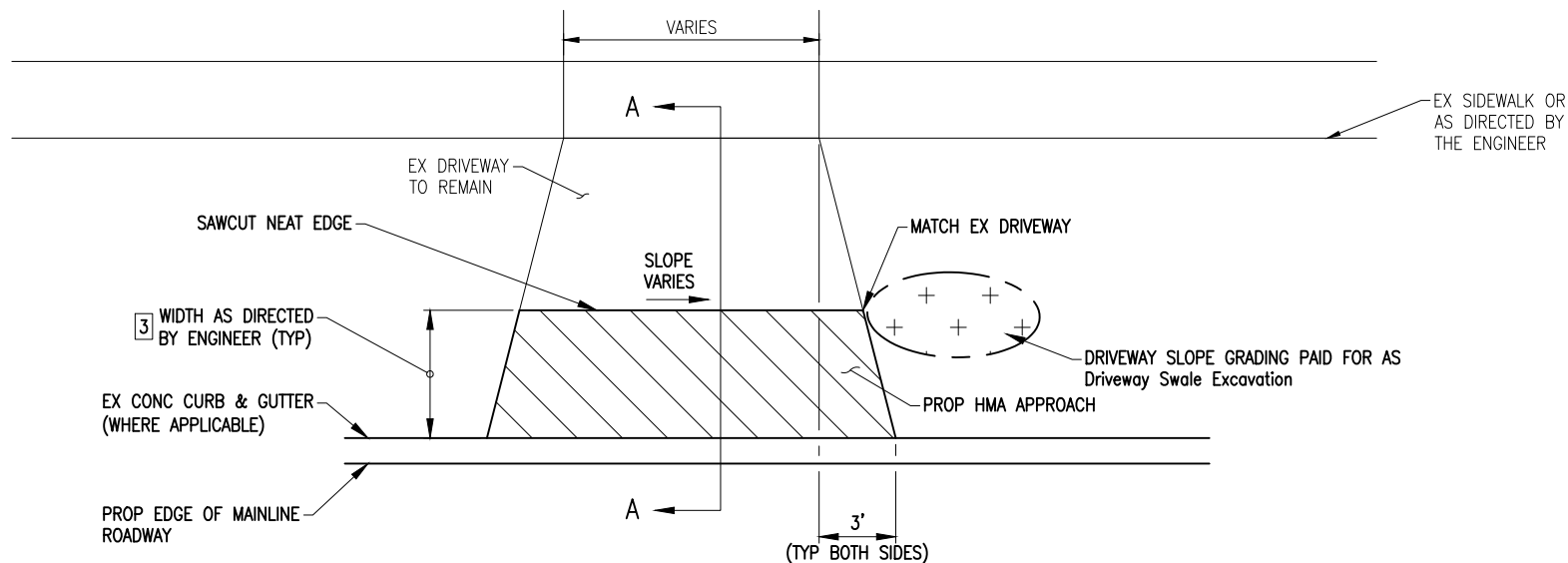
NOTE: * FOR INFORMATION ONLY

PLACE HMA BOND COAT SS-1H @ 0.10 GAL/SYD BETWEEN EXISTING CURB AND GUTTER OR COLD MILLED PAVEMENT AND PROPOSED HMA SURFACING. ALSO PLACE 0.05 GAL/SYD BETWEEN HMA LIFTS. HMA BOND COAT WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE HMA PAY ITEM BEING PLACED.

THE HMA APPLICATION ON THE CHART ABOVE EXCLUDES VECTOR PARKWAY AND HUBBARD

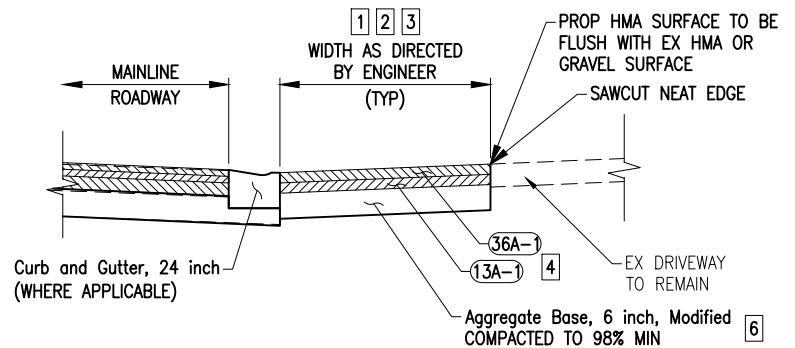
HMA APPLICATION CHART

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PROPOSED HMA RESIDENTIAL DRIVEWAY APPROACH AS DIRECTED BY ENGINEER

- 1 EXCAVATION AND/OR EMBANKMENT NEEDED FOR DRIVEWAY CONSTRUCTION IS INCLUDED IN THE COST OF HMA, 36A.
- 2 IF EX SURFACE IS HMA, THEN REMOVAL IS PAID AS Pavt, Rem, Modified. IF EX SURFACE IS GRAVEL, THEN REMOVAL OF GRAVEL SURFACE IS INCLUDED IN COST OF HMA Approach.
- 3 DISTANCE VARIES AS DIRECTED BY THE ENGINEER. 5' TYPICAL FOR ROADS BEING RECONSTRUCTED OR 10' TYPICAL FOR ROADS BEING PULVERIZED OR AS DIRECTED BY THE ENGINEER.
- 4 HMA LAYER THICKNESSES: 36A-1: 1.5"
PAID FOR AS HMA 36A 13A-1: 1.5"
- 5 NO HMA WEDGING OVER EXISTING DRIVE IS PERMITTED.
- 6 EXCAVATION OF AGGREGATE BASE IS COVERED IN COST OF Aggregate Base, 6 inch, Modified.



PROPOSED HMA RESIDENTIAL DRIVEWAY APPROACH (SECTION A-A)

TREATMENT FOR RESIDENTIAL HMA AND GRAVEL DRIVEWAY APPROACHES



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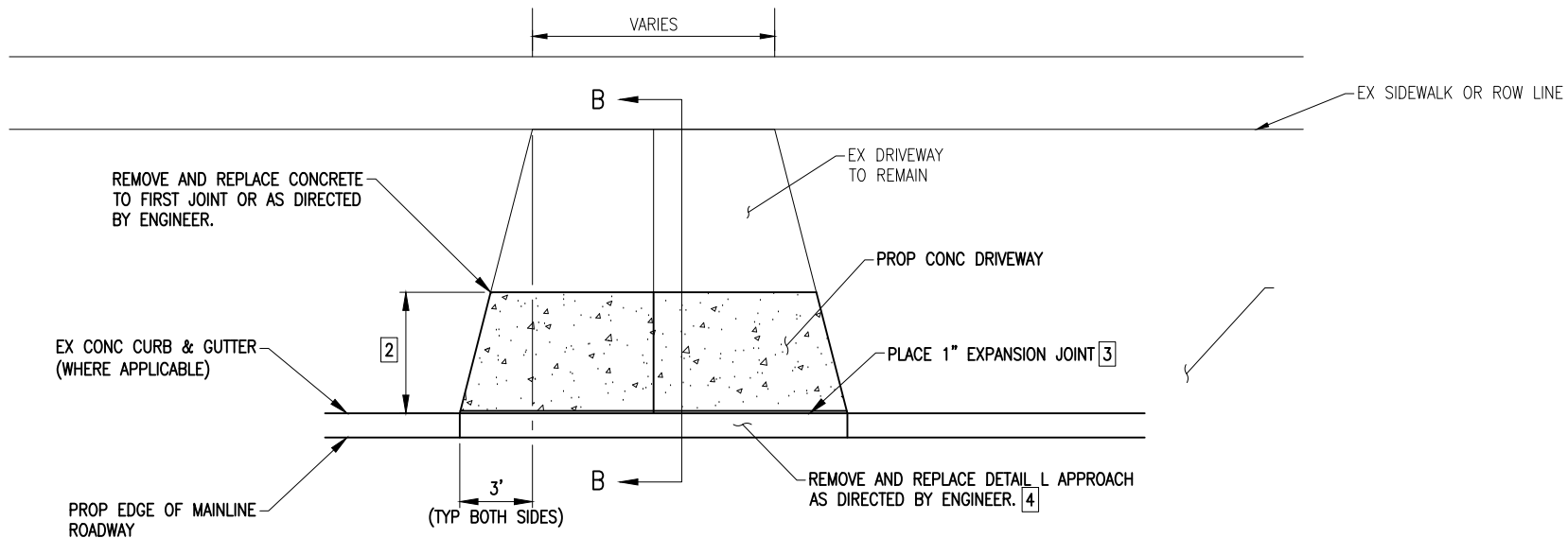
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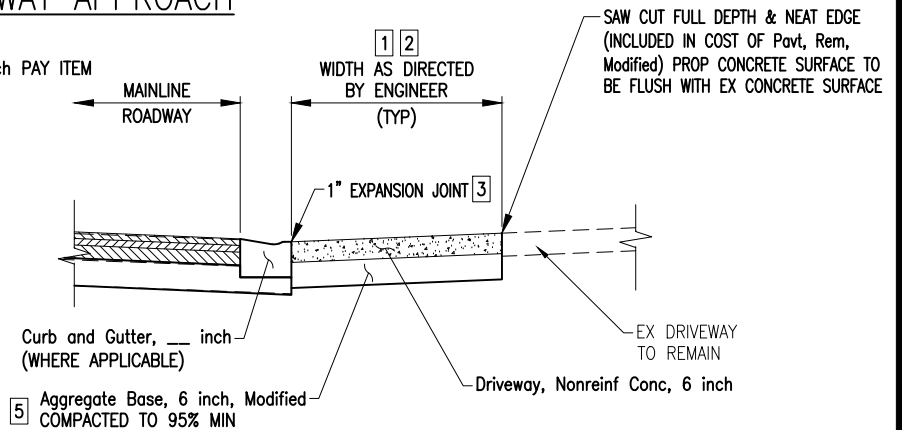
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PROPOSED CONCRETE RESIDENTIAL DRIVEWAY APPROACH AS DIRECTED BY ENGINEER

NOTE: ALL JOINTS ARE INCLUDED IN THE Driveway, Nonreinf Conc, 6 inch PAY ITEM

- 1 DRIVEWAY REMOVAL IS PAID FOR AS Pavt Rem, Modified. EXCAVATION AND/OR EMBANKMENT NEEDED FOR DRIVEWAY CONSTRUCTION IS INCLUDED IN THE COST OF Driveway, Nonreinf Conc, 6 Inch.
- 2 DISTANCE VARIES AS DIRECTED BY THE ENGINEER. FOR ROADS BEING RECONSTRUCTED FIRST JOINT OR 10' TYPICAL FOR ROADS BEING PULVERIZED OR AS DIRECTED BY THE ENGINEER.
- 3 EXPANSION JOINTS INCLUDED IN THE COST OF Driveway, Nonreinf Conc, 6 Inch
- 4 WHEN REMOVAL AND REPLACEMENT OF CURB AND GUTTER, AS DETERMINED BY THE ENGINEER, IS REQUIRED FOR DRIVEWAY REPLACEMENT, THE WORK WILL BE PAID FOR AS Curb and Gutter, Rem AND Curb and Gutter, ___ Inch.
- 5 EXCAVATION OF AGGREGATE BASE IS COVERED IN COST OF Aggregate Base, 6 inch, Modified.



PROPOSED CONCRETE RESIDENTIAL DRIVEWAY APPROACH (SECTION B-B)

TREATMENT FOR RESIDENTIAL CONCRETE DRIVEWAY APPROACHES



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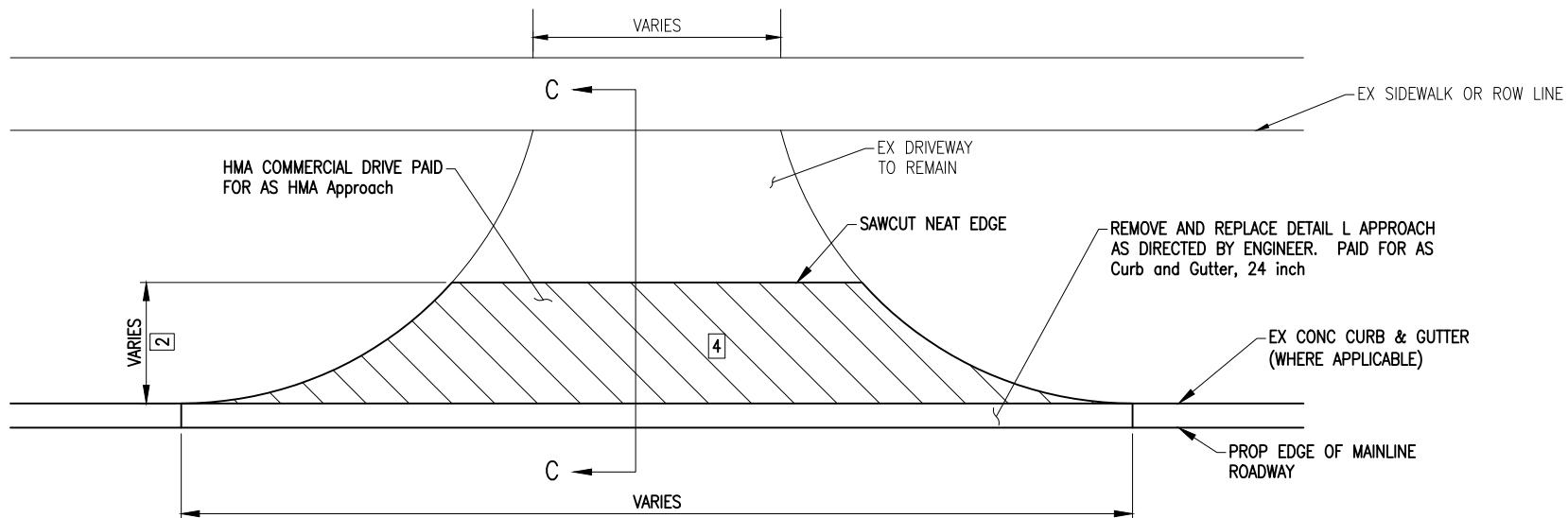
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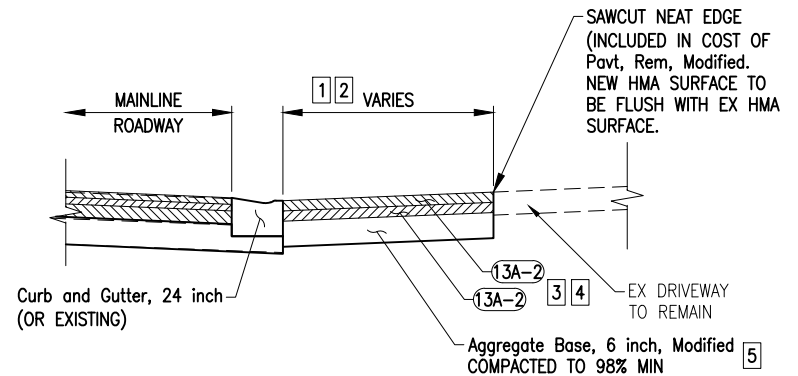
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PROPOSED HMA COMMERCIAL DRIVEWAY APPROACH
AS DIRECTED BY ENGINEER

- 1 EXCAVATION AND/OR EMBANKMENT NEEDED FOR DRIVEWAY CONSTRUCTION IS INCLUDED IN THE COST OF HMA Approach. DRIVEWAY REMOVAL IS INCLUDED IN THE COST OF Pavt, Rem, Modified.
- 2 DISTANCE VARIES AS DIRECTED BY THE ENGINEER.
- 3 HMA LAYER THICKNESSES: 13A-2: 2.0"
PAID FOR AS HMA, 36A
- 4 NO HMA WEDGING OVER EXISTING DRIVE IS PERMITTED.
- 5 EXCAVATION OF AGGREGATE BASE IS COVERED IN COST OF Aggregate Base, 6 inch, Modified.



PROPOSED HMA COMMERCIAL DRIVEWAY APPROACH
(SECTION C-C)

TREATMENT FOR COMMERCIAL HMA DRIVEWAY APPROACHES



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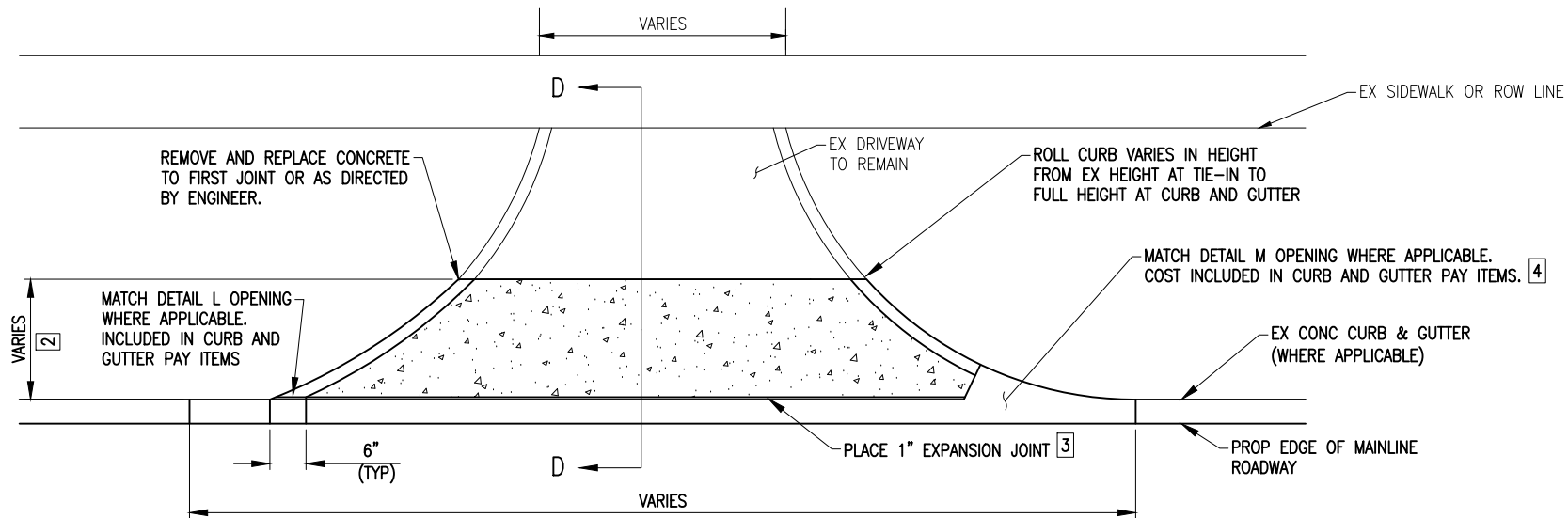
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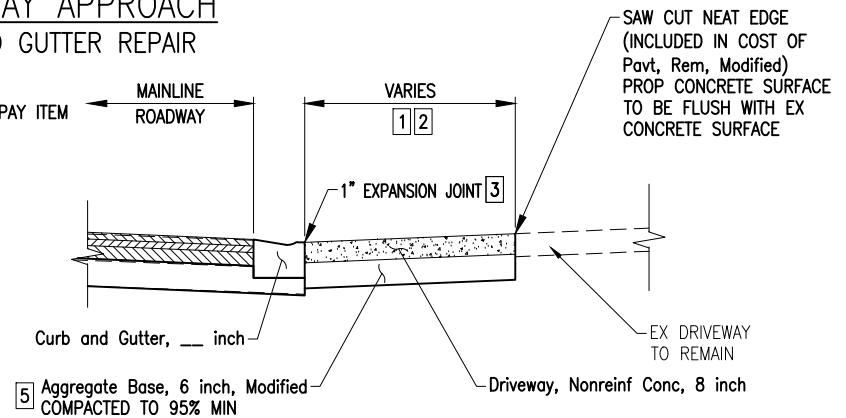


PROPOSED CONCRETE COMMERCIAL DRIVEWAY APPROACH

APPLIES: DRIVEWAYS ADJACENT TO MAINLINE CURB AND GUTTER REPAIR
AS DIRECTED BY ENGINEER

NOTE: ALL JOINTS ARE INCLUDED IN THE Driveway, Nonreinf Conc, 6 inch PAY ITEM

- 1 DRIVEWAY REMOVAL IS PAID FOR AS Pavt Rem, Modified. EXCAVATION AND/OR EMBANKMENT NEEDED FOR DRIVEWAY CONSTRUCTION IS INCLUDED IN THE COST OF DRIVEWAY, NONREINF CONC, 8 INCH.
- 2 DISTANCE VARIES AS DIRECTED BY THE ENGINEER.
- 3 EXPANSION JOINTS INCLUDED IN THE COST OF Driveway, Nonreinf Conc, 6 inch
- 4 WHEN REMOVAL AND REPLACEMENT OF CURB AND GUTTER, AS DETERMINED BY THE ENGINEER, IS REQUIRED FOR DRIVEWAY REPLACEMENT, THE WORK WILL BE PAID FOR AS Curb and Gutter, Rem AND Curb and Gutter, ___ inch.
- 5 EXCAVATION OF AGGREGATE BASE IS COVERED IN COST OF Aggregate Base, 6 inch, Modified.



PROPOSED CONCRETE COMMERCIAL DRIVEWAY APPROACH (SECTION D-D)

TREATMENT FOR COMMERCIAL CONCRETE DRIVEWAY APPROACHES



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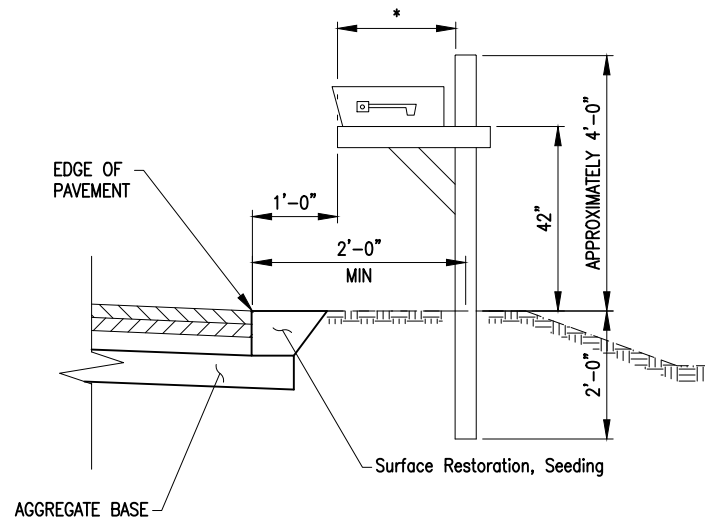
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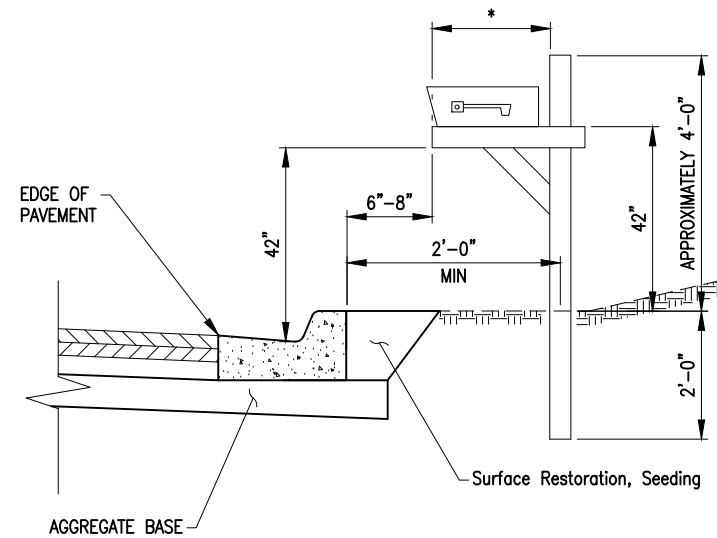
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ROADWAY WITHOUT CURB

* AS REQUIRED BY POSTAL REGULATIONS

NOTE: MAILBOX FACE SHALL BE 1' BEHIND THE EDGE OF SHOULDER OR EDGE OF PAVEMENT



ROADWAY WITH CURB

* AS REQUIRED BY POSTAL REGULATIONS

NOTE: MAILBOX FACE SHALL BE 6"-8" BEHIND THE BACK OF CURB

TYPICAL MAILBOX RELOCATION



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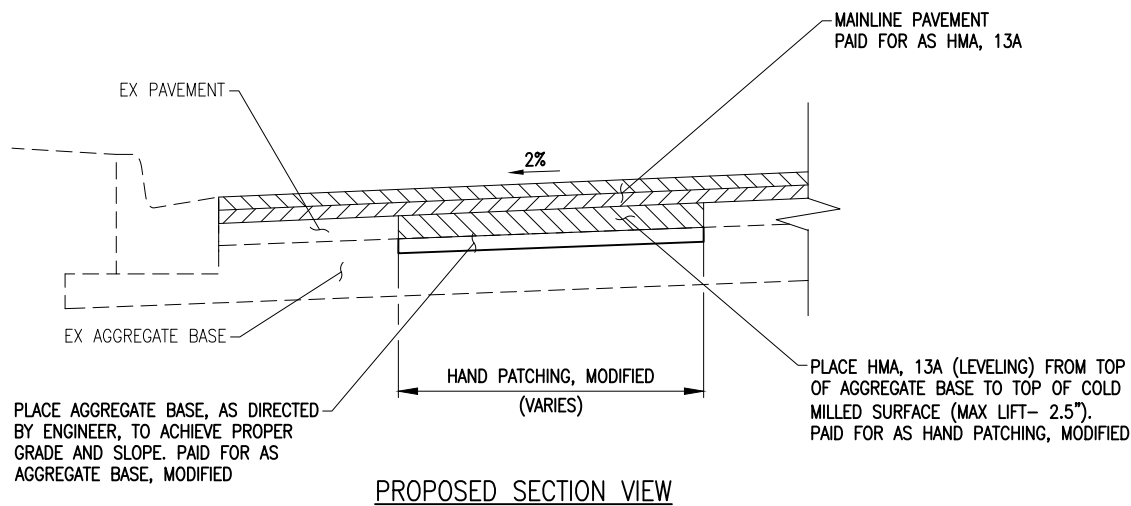
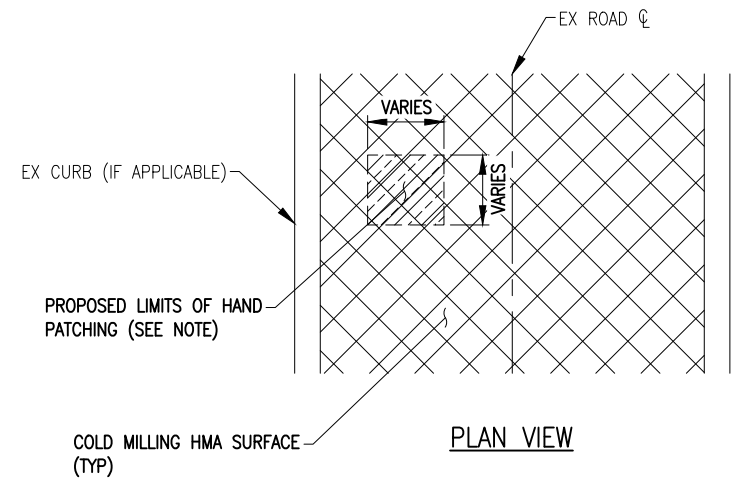
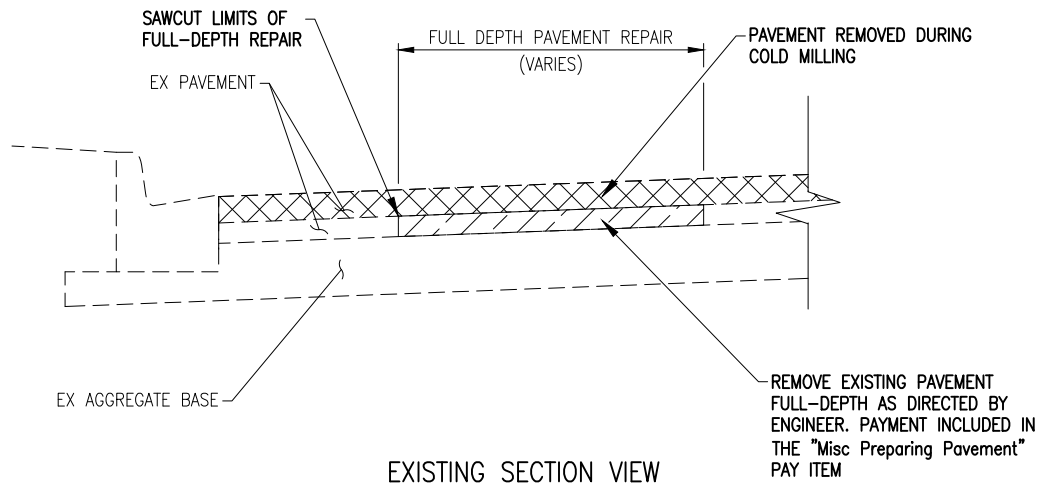
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NOTES:

THE PATCH WILL NOT BE PAID AS HAND PATCHING, MODIFIED BUT WILL BE PAID AS HMA, 13A (LEVELING) IF THE SMALLEST DIMENSION IS MORE THAN 11' AND THE LARGEST DIMENSION IS MORE THAN 75'. SEE THE SPECIAL PROVISION FOR HAND PATCHING, MODIFIED FOR DETAILS.

HAND PATCHING WILL ONLY BE QUANTIFIED FOR THOSE AREAS SPECIFIED BY THE ENGINEER.

HAND PATCHING, MODIFIED



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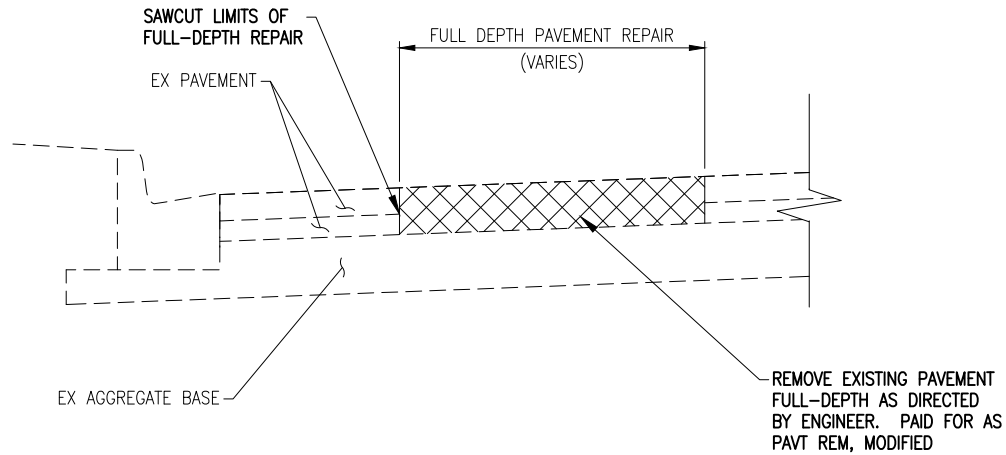
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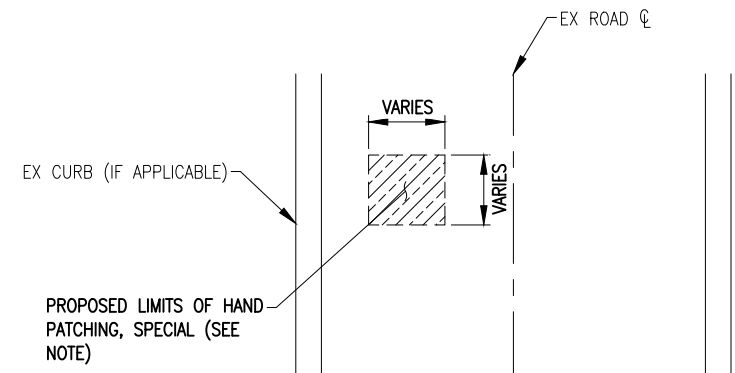
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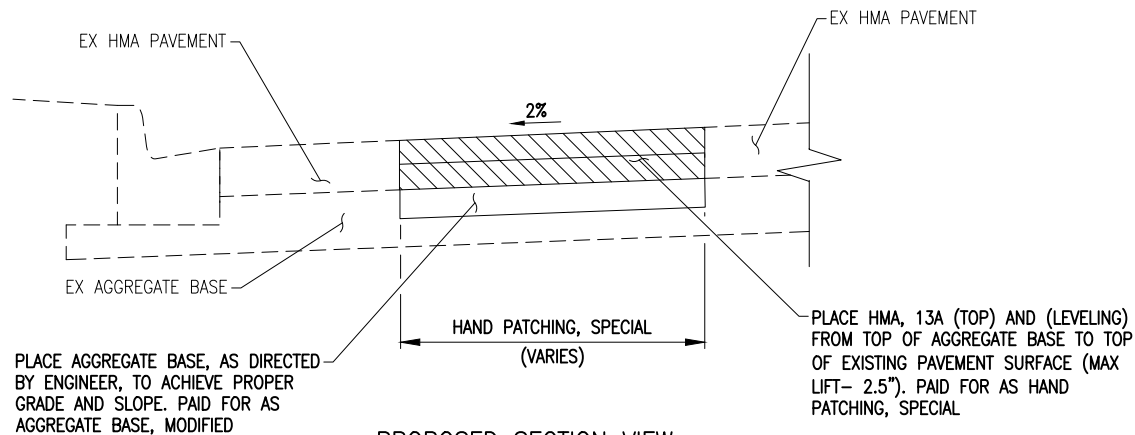
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EXISTING SECTION VIEW



PLAN VIEW



PROPOSED SECTION VIEW

NOTES:

THE PAY ITEM HAND PATCHING, SPECIAL APPLIES TO LOCATIONS OUTSIDE OF THE PROPOSED CONTRACT PAVING LIMITS AS DESCRIBED IN THE MAINTENANCE OF TRAFFIC AND AS DIRECTED BY THE ENGINEER.

THE PATCH WILL NOT BE PAID AS HAND PATCHING, SPECIAL, BUT WILL BE PAID AS HMA, 13A IF PAVING FULL WIDTH OF ROAD AND THE LENGTH IS GREATER THAN 200'.

HAND PATCHING, SPECIAL



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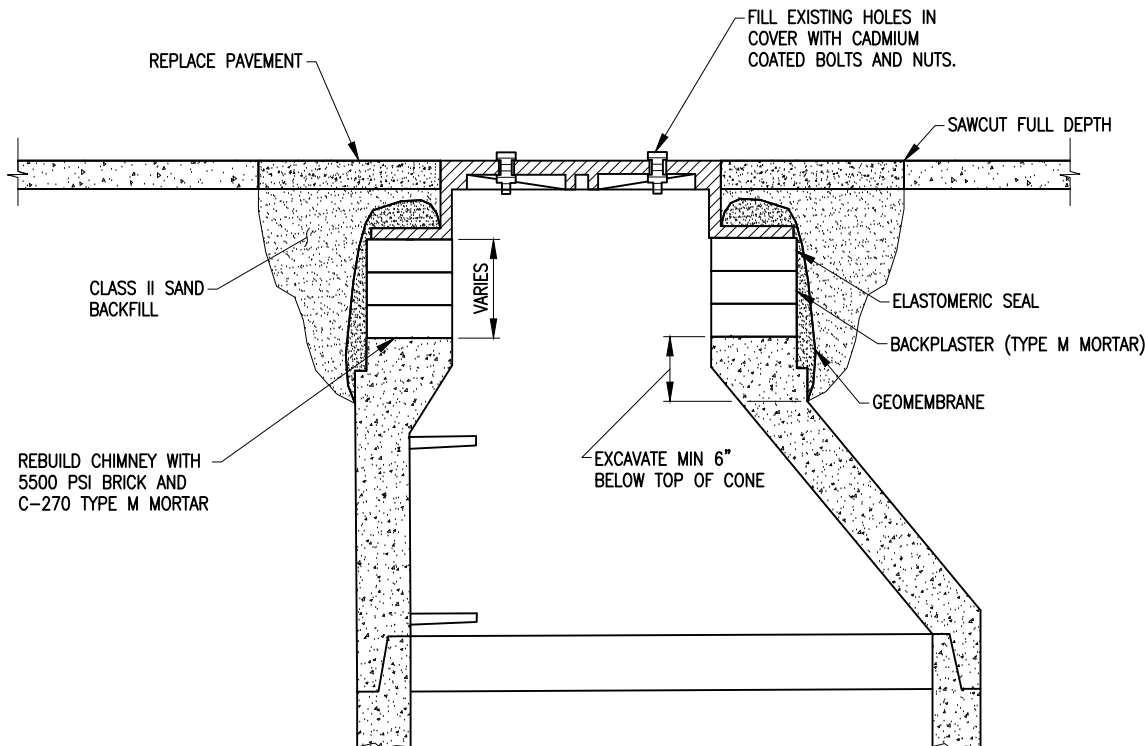
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SHEET NO.:
DET-09

USE EXISTING FRAME & COVER OR IF DIRECTED BY ENGINEER PLACE NEW BOLTED WATERTIGHT CAST IRON MANHOLE COVER. NEW SANITARY SEWER COVER(S) SHALL MATCH THE EXISTING TYPE UNLESS OTHERWISE DIRECTED BY ENGINEER AND SHALL BE PROVIDED BY THE CITY.



- NOTES:**
1. SAWCUT PAVEMENT AND EXCAVATE TO DEPTH 6" (MIN) BELOW TOP OF CONE. COST INCLUDED PAY ITEM SANITARY STRUCTURE COVER, ADJ, CASE 1.
 2. REMOVE FRAME AND CHIMNEY (IF SCHEDULED OR DIRECTED BY ENGINEER) TO PRECAST CONE SECTION (WHERE APPLICABLE) AND CLEAN TOP OF CONE.
 3. REBUILD CHIMNEY (IF SCHEDULED OR DIRECTED BY ENGINEER) WITH 5500 PSI BRICK, AND C-270 TYPE-M MORTAR, BACKPLASTER (1/2" TYPE M MORTAR) TO TOP BRICK.
 - 4a. SET EXISTING FRAME IN MORTAR WITH 1/2" RECESS AT FLANGE. FILL WITH JOINT SEALER. (RESET FRAME AND COVER)
 - 4b. SET NEW FRAME IN MORTAR WITH 1/2" RECESS AT FLANGE. FILL WITH JOINT SEALER. (REPLACE FRAME AND COVER)
 5. SEAL CHIMNEY SECTION WITH ELASTOMERIC SEALER.
 6. COVER WITH GEOMEMBRANE.
 7. BACKFILL (95% COMPACTION)
 8. REPLACE PAVEMENT WITH HMA, 13A TO THE THICKNESS OF EXISTING PAVEMENT. COST INCLUDED IN PAY ITEM SANITARY STRUCTURE COVER, ADJ, CASE 1.

SANITARY COVERS WITHIN REHABILITATED OR RECONSTRUCTED PAVEMENT AREAS

SANITARY STRUCTURE ADJUST. CASE 1



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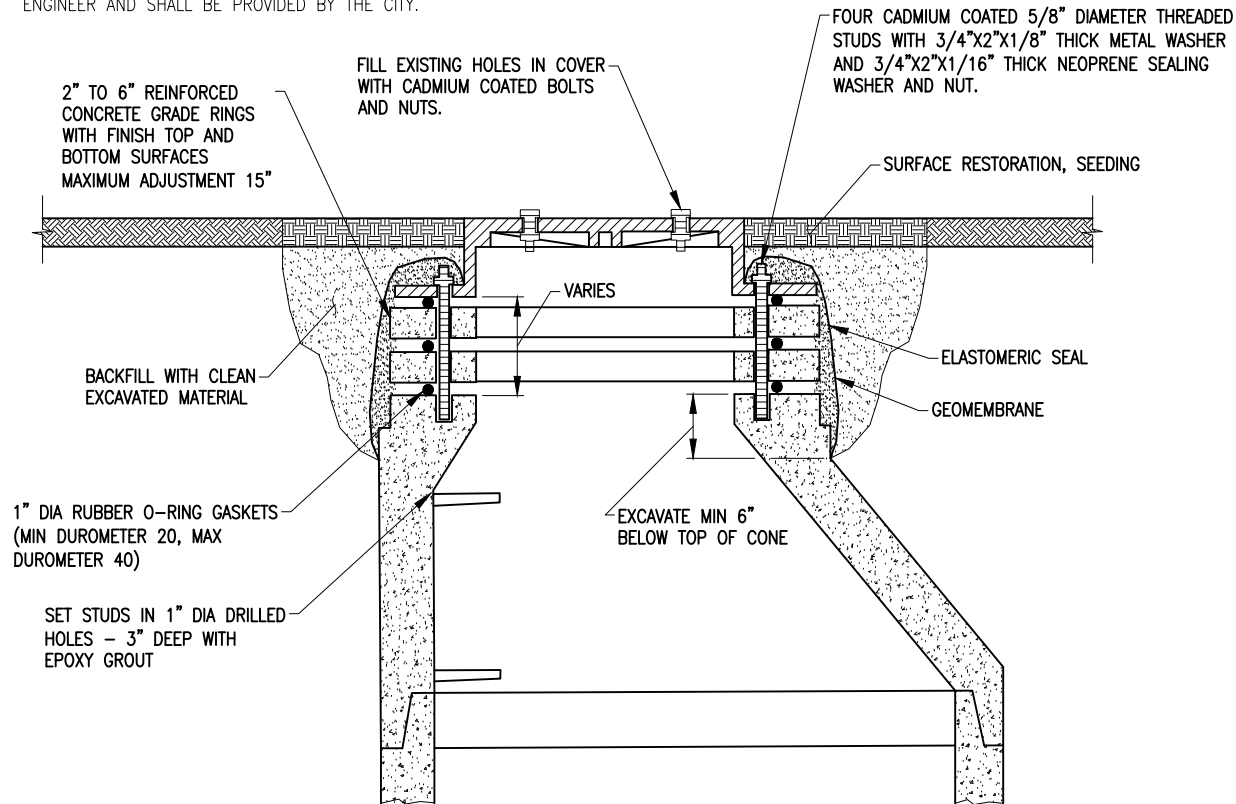
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SHEET NO.:
DET-10

USE EXISTING FRAME & COVER OR IF DIRECTED BY ENGINEER PLACE NEW BOLTED WATERTIGHT CAST IRON MANHOLE COVER. NEW SANITARY SEWER COVER(S) SHALL MATCH THE EXISTING TYPE UNLESS OTHERWISE DIRECTED BY ENGINEER AND SHALL BE PROVIDED BY THE CITY.



- NOTES:**
1. EXCAVATE TO DEPTH 6" (MIN) BELOW TOP OF CONE.
 2. REMOVE FRAME AND CHIMNEY TO PRECAST CONE SECTION. CLEAN TOP OF CONE, DRILL AND SET BOLTS.
 3. INSTALL CONCRETE GRADE RINGS WITH RUBBER O-RING GASKETS AND INSTALL (EXISTING OR NEW) FRAME AND BOLT DOWN.
 4. SEAL CHIMNEY SECTION WITH ELASTOMERIC SEALER.
 5. COVER WITH GEOMEMBRANE.
 6. BACKFILL (90% COMPACTION)
 7. TOPSOIL AND RESTORE SURFACE (SOD AT ESTABLISHED LAWN AREAS, SEED AND MULCH FIELD AREAS)
 8. IF EXISTING MANHOLE CONE IS NOT PRECAST (BRICK OR CONE BRICK) REBUILD CHIMNEY WITH BRICK.

SANITARY COVERS WITHIN THE GREENBELT

SANITARY STRUCTURE COVER ADJUST, CASE 2



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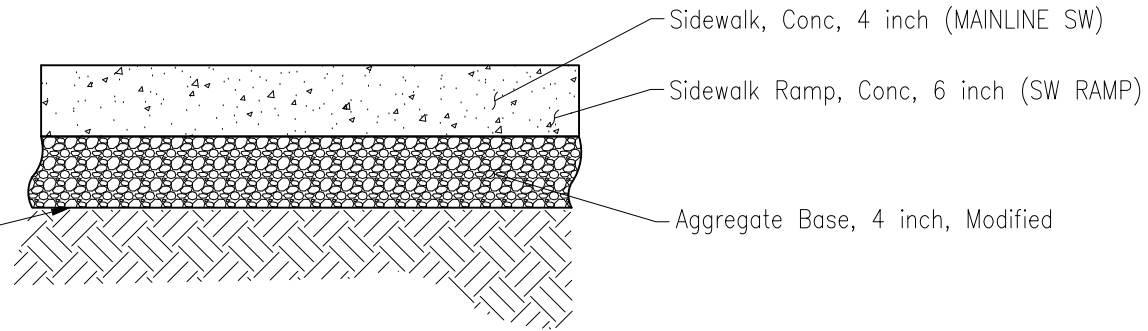
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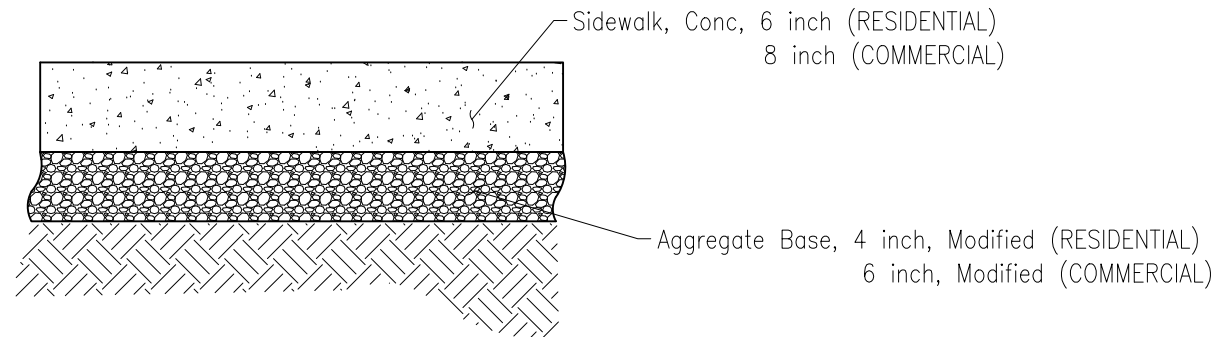
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EXCAVATING, GRADING, AND
BACKFILLING FOR SIDEWALK AND
SIDEWALK RAMPS ARE INCLUDED
IN THE SIDEWALK PAY ITEMS.



PROPOSED SIDEWALK/RAMP DETAIL

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PROPOSED SIDEWALK IN DRIVEWAY DETAIL

SCALE: N.T.S.

PROPOSED SIDEWALK DETAIL SHEET



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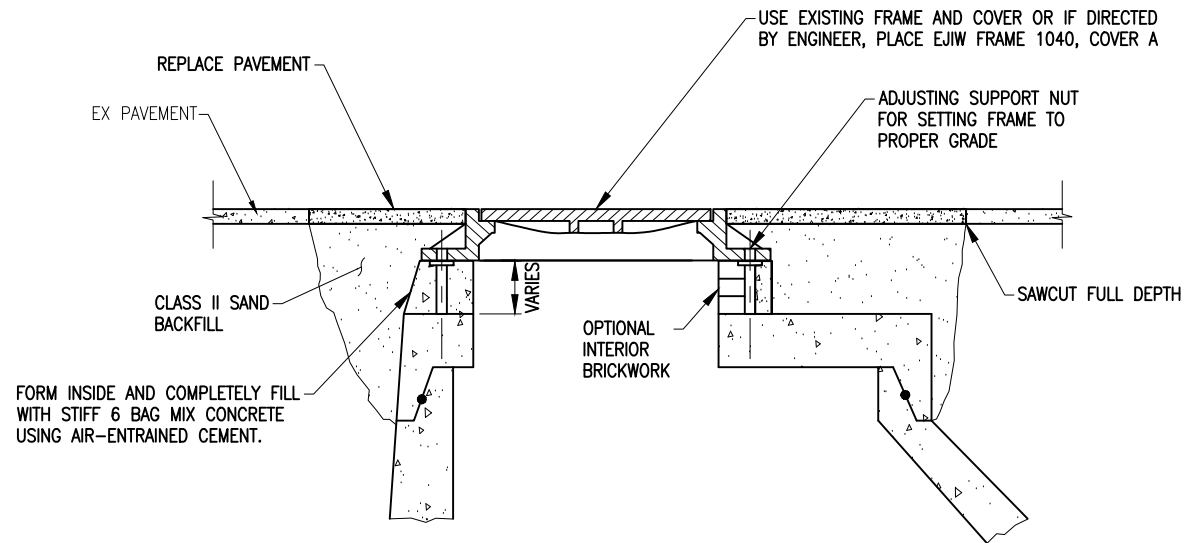
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- NOTES:
1. SAWCUT PAVEMENT AND EXCAVATE TO DEPTH 6" (MIN) BELOW TOP OF CONE. INCLUDED IN PAY ITEM GATE WELL COVER, ADJ, CASE 1.
 2. REMOVE FRAME AND CHIMNEY (IF SCHEDULED OR DIRECTED BY ENGINEER) TO PRECAST CONE SECTION (WHERE APPLICABLE) AND CLEAN TOP OF CONE.
 3. REBUILD CHIMNEY (IF SCHEDULED OR DIRECTED BY ENGINEER) WITH 5500 PSI BRICK, AND C-270 TYPE-M MORTAR, BACKPLASTER (1/2" TYPE M MORTAR) TO TOP BRICK.
 - 4a. SET EXISTING FRAME IN MORTAR WITH 1/2" RECESS AT FLANGE. FILL WITH JOINT SEALER. (RESET FRAME AND COVER)
 - 4b. SET NEW FRAME IN MORTAR WITH 1/2" RECESS AT FLANGE. FILL WITH JOINT SEALER. (REPLACE FRAME AND COVER)
 5. BACKFILL (95% COMPACTION)
 6. REPLACE PAVEMENT WITH HMA, 13A TO THE THICKNESS OF EXISTING PAVEMENT. COST INCLUDED IN PAY ITEM GATE WELL COVER, ADJ, CASE 1.

GATE WELL COVERS WITHIN REHABILITATED OR RECONSTRUCTED PAVEMENT AREAS

GATE WELL COVER ADJUST, CASE 1



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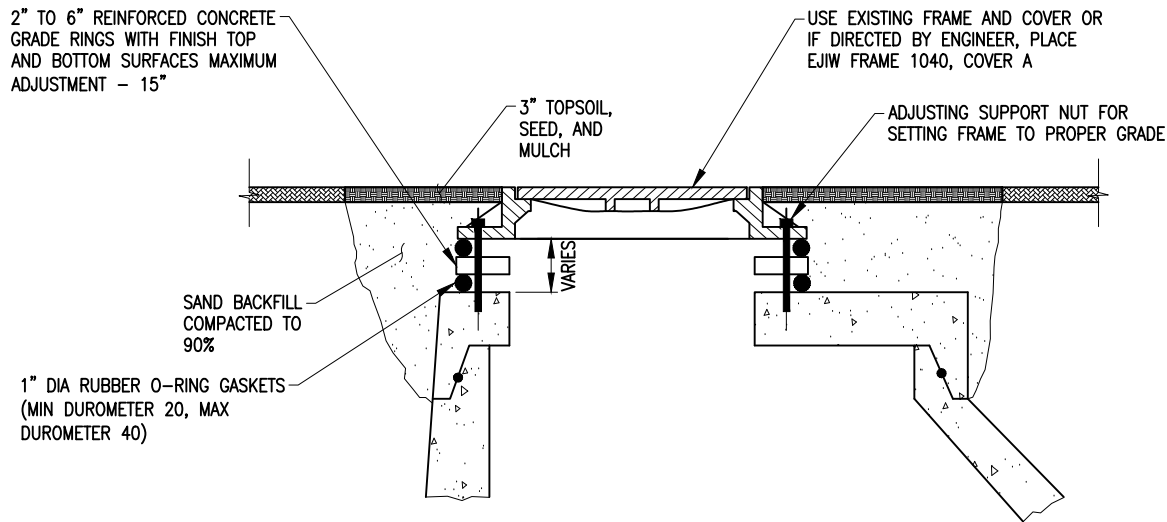
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- NOTES:
1. EXCAVATE TO DEPTH 6" (MIN) BELOW TOP OF CONE.
 2. REMOVE FRAME AND CHIMNEY (IF SCHEDULED OR DIRECTED BY ENGINEER) TO PRECAST CONE SECTION (WHERE APPLICABLE) AND CLEAN TOP OF CONE. DRILL AND SET BOLTS.
 3. INSTALL CONCRETE GRADE RINGS WITH RUBBER O-RING GASKETS AND INSTALL (EXISTING OR NEW) FRAME AND BOLT DOWN.
 4. BACKFILL (90% COMPACTION)
 5. TOPSOIL AND RESTORE SURFACE (SOD AT ESTABLISHED LAWN AREAS, SEED AND MULCH FIELD AREAS)
 6. IF EXISTING MANHOLE CONE IS NOT PRECAST (BRICK OR CONE BRICK) REBUILD CHIMNEY WITH BRICK.

GATE WELL COVERS WITHIN THE GREENBELT

GATE WELL COVER ADJUST, CASE 2



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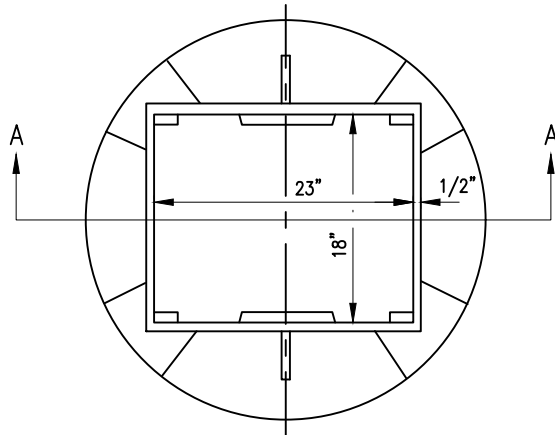
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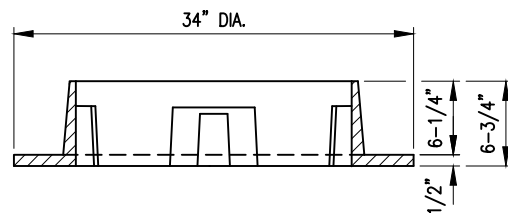
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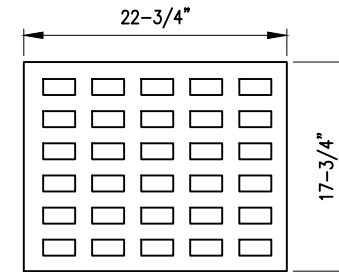


PLAN VIEW OF FRAME



SECTION A-A

MATERIAL:
GREY IRON, A.S.T.M. STD, SPEC. A48, CLASS 30.
BEARING SURFACES SHALL BE GROUND TO PREVENT
ROCKING. TOTAL WEIGHT 315 LBS.



PLAN VIEW OF GRATE

SERIES 5000 M1 COVER
E.J.I.W. NO 5080

TROUT LOGO GRATE



DUMP NO WASTE!

DRAINAGE STRUCTURE COVER DETAIL SHEET



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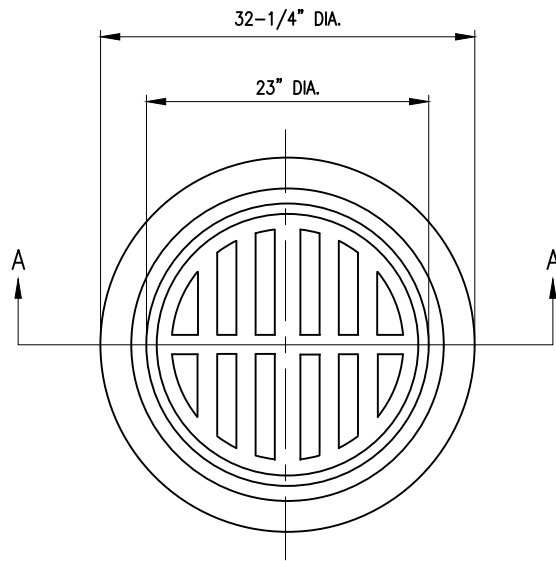
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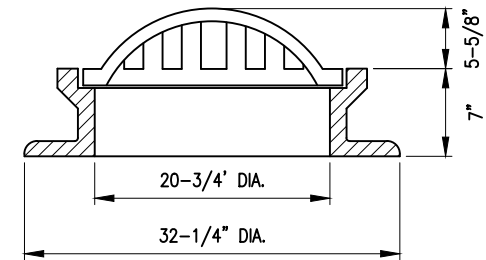
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0090-23-0080

SHEET NO.:
DET-15

TYPICALLY USED IN DITCH AREAS

PLAN VIEW OF FRAME

MATERIAL:
 GREY IRON, A.S.T.M. STD, SPEC. A48, CLASS 30.
 BEARING SURFACES SHALL BE GROUND TO
 PREVENT ROCKING. TOTAL WEIGHT 315 LBS

SECTION A-A

E.J.I.W. NO. 1010 FRAME
 WITH TYPE "O" GRATE

"BEEHIVE" DRAINAGE STRUCTURE COVER DETAIL



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N.T.S.

DATE:

10/12/2023

CLIENT

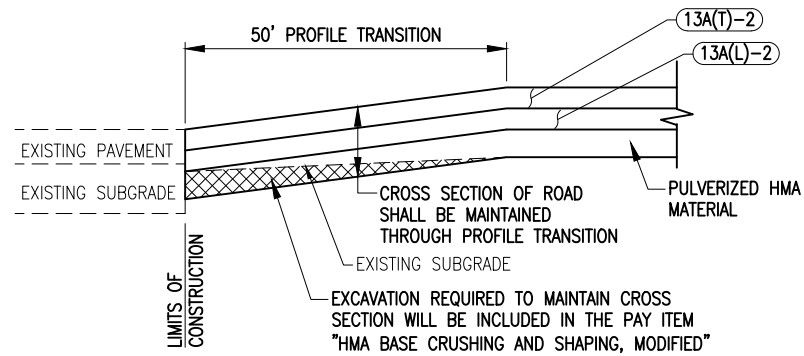
CITY OF LIVONIA

OHM JOB

0090-23-0080

SHEET NO.:

DET-16



PROFILE TRANSITION DETAIL FOR PULVERIZED ROADS AT EXISTING ROAD

NOTE: TRANSITION WITHIN STATION
LIMITS OF PULVERIZATION

BUTT JOINT DETAIL AND PROFILE TRANSITION AT PULVERIZATION LIMITS



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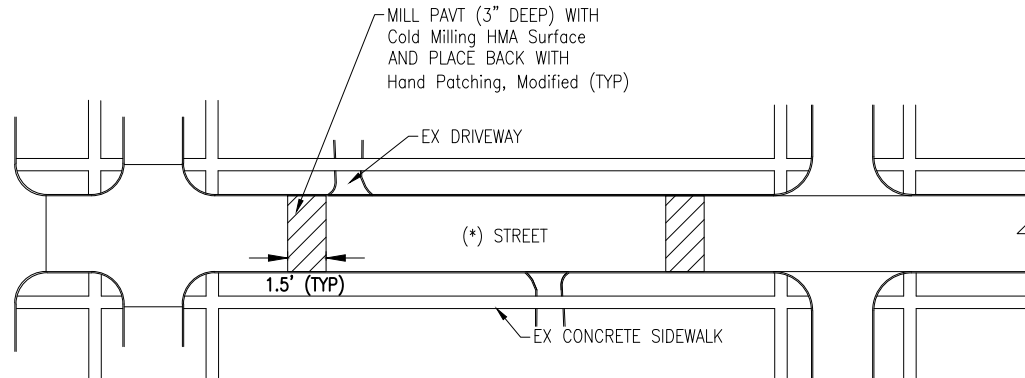
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DATE:
10/12/2023

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CITY OF LIVONIA

OHM JOB
0090-23-0080

SHEET NO.:
DET-17

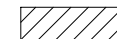


NOTE:
 (*) AS SPECIFIED BELOW

THE LIMITS OF WORK AS SHOWN ARE FOR INFORMATION PURPOSES ONLY.

THE EXACT LIMITS ARE TO BE DETERMINED BY THE ENGINEER PRIOR TO
 THE MILLING OR PAVEMENT REMOVAL OPERATION.

APPLIES TO CLARITA AND PICKFORD, EAST OF
 SOUTHAMPTON, SOUTH OF SEVEN MILE ROAD



PAVEMENT JOINT REPAIR

JOINT REPAIR FOR TRANSVERSE CRACKS



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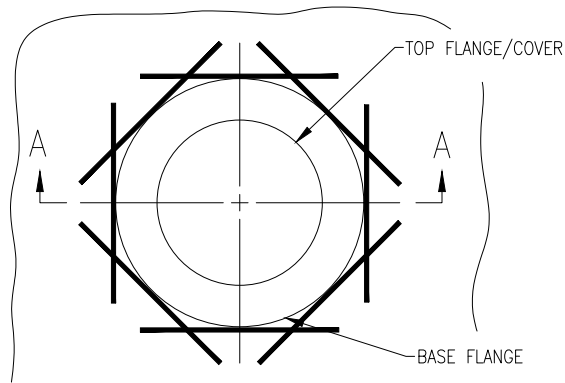
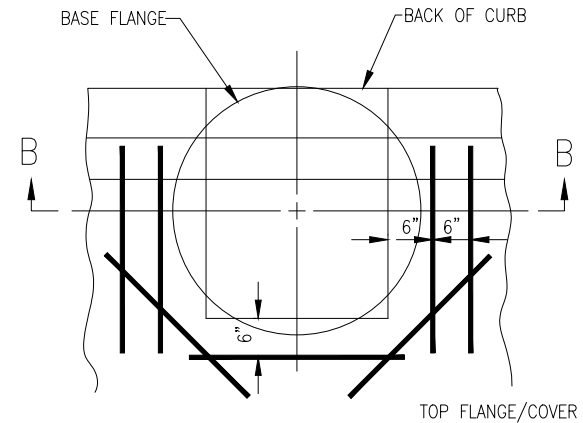
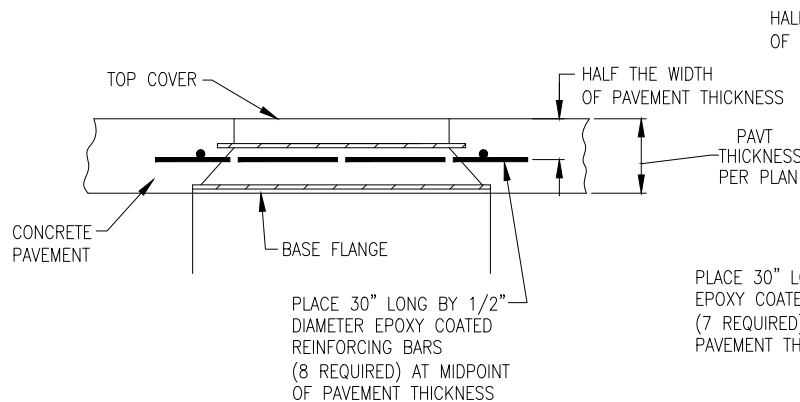
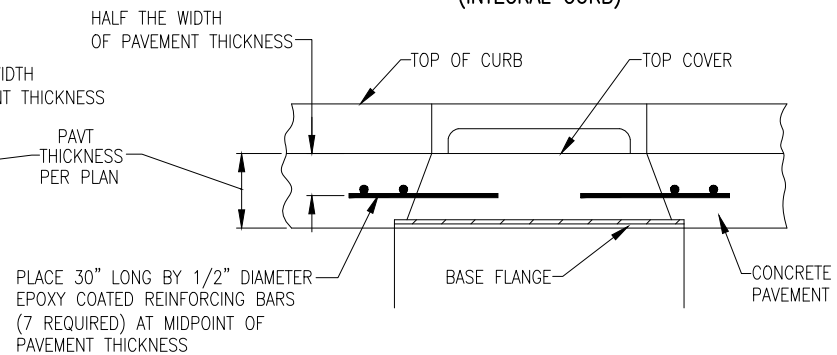
SCALE:
 N.T.S.

DATE:
 10/12/2023

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 CITY OF LIVONIA

OHM JOB
 0090-23-0080

SHEET NO.:
 DET-18

**PLAN VIEW****PLAN VIEW
(INTEGRAL CURB)****SECTION A-A****SECTION B-B****NOTE:**

COST IS INCLUDED IN THE PAY ITEMS FOR DR STRUCTURE COVER, ADJ, CASE I, SANITARY STRUCTURE COVER, ADJ, CASE I, AND GATE WELL COVER, ADJ, CASE I

REINFORCEMENT FOR COVERS IN CONCRETE PAVEMENT AND/OR CONCRETE PAVEMENT W/INTEGRAL CURB



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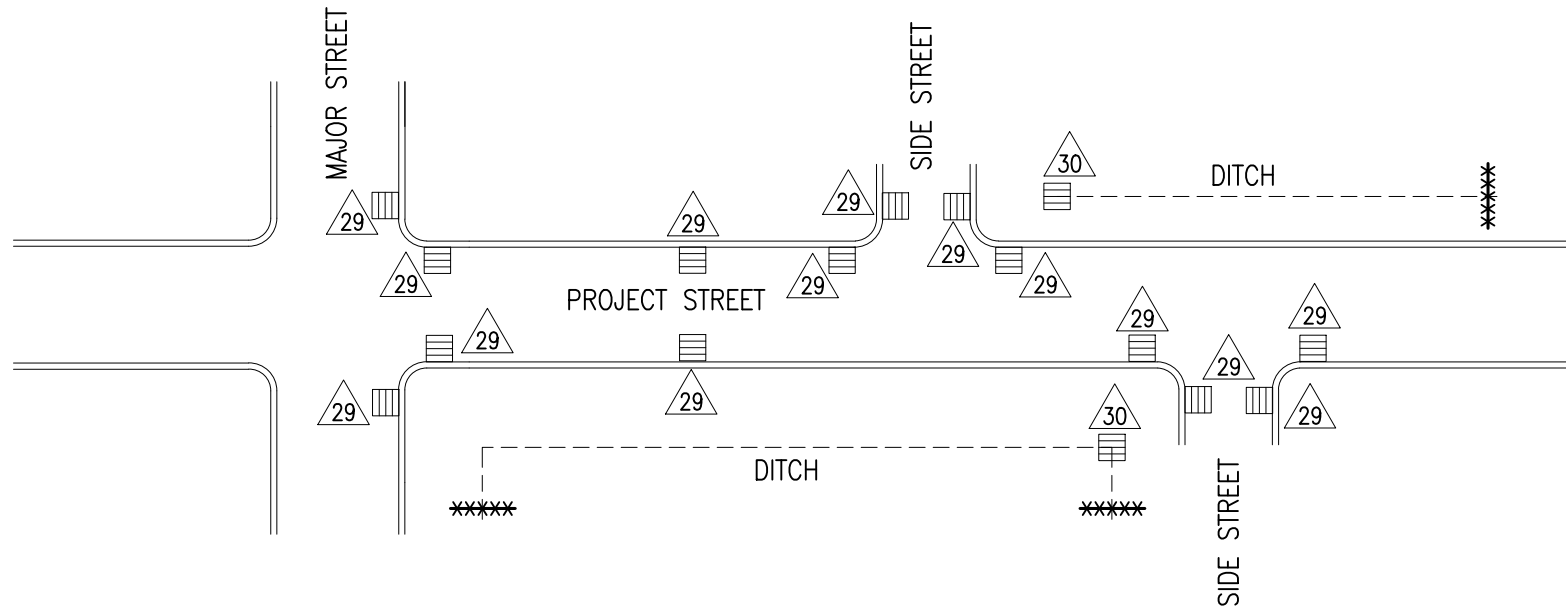
SCALE:
N.T.S.

DATE:
10/12/2023

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CITY OF LIVONIA

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0090-23-0080

SHEET NO.:
DET-19



PLACE EROSION CONTROL, INLET PROTECTION, FABRIC DROP AND EROSION CONTROL, INLET PROTECTION, GEOTEXTILE AND STONE ON ALL CATCH BASIN INLETS AS SHOWN. THIS INCLUDES ALL INLETS ON THE PROJECT STREET AS WELL AS ANY INLETS IN SIDE STREET APPROACHES.

SILT FENCE SHALL BE PLACED AS DIRECTED BY THE ENGINEER

MDOT KEY #	TEMPORARY SESC ITEM DESCRIPTION	UNIT
29	Erosion Control, Inlet Protection, Fabric Drop	Ea
30	Erosion Control, Inlet Protection, Geotextile and Stone	Ea
*****	Erosion Control, Silt Fence	Ft

EXISTING OR PROPOSED SQUARE CATCH BASIN

SOIL EROSION AND SEDIMENTATION CONTROL – TYPICAL DETAIL



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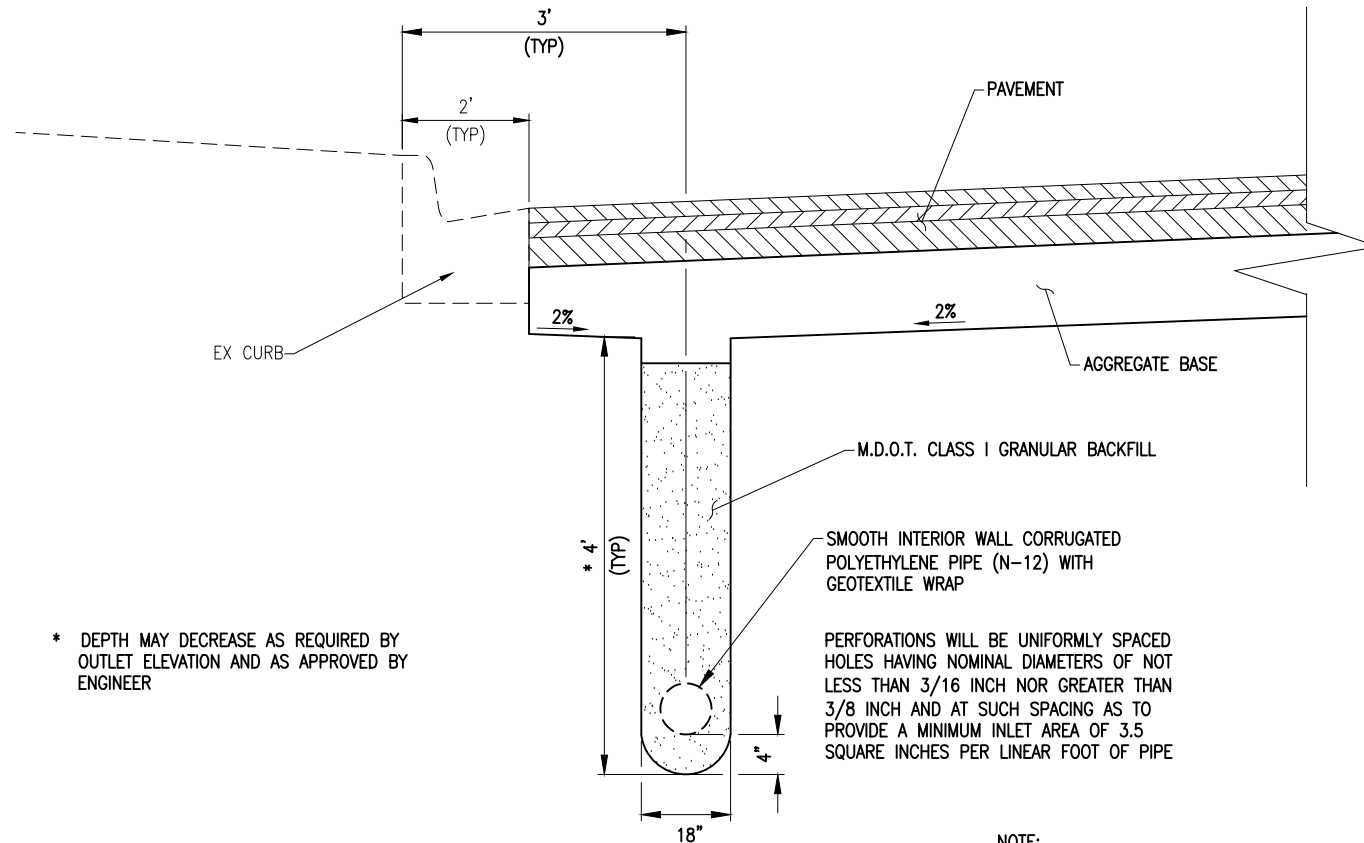
SCALE:
N.T.S.

DATE:
10/12/2023

CLIENT
CITY OF LIVONIA

OHM JOB
0090-23-0080

SHEET NO.:
DET-20



NOTE:
UNDERDRAIN SHALL BE CONNECTED
TO EXISTING STORM SEWER.

UNDERDRAIN, SUBGRADE, 6 INCH, MODIFIED

SUBGRADE UNDERDRAIN DETAIL



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DATE:
10/12/2023

CLIENT
CITY OF LIVONIA

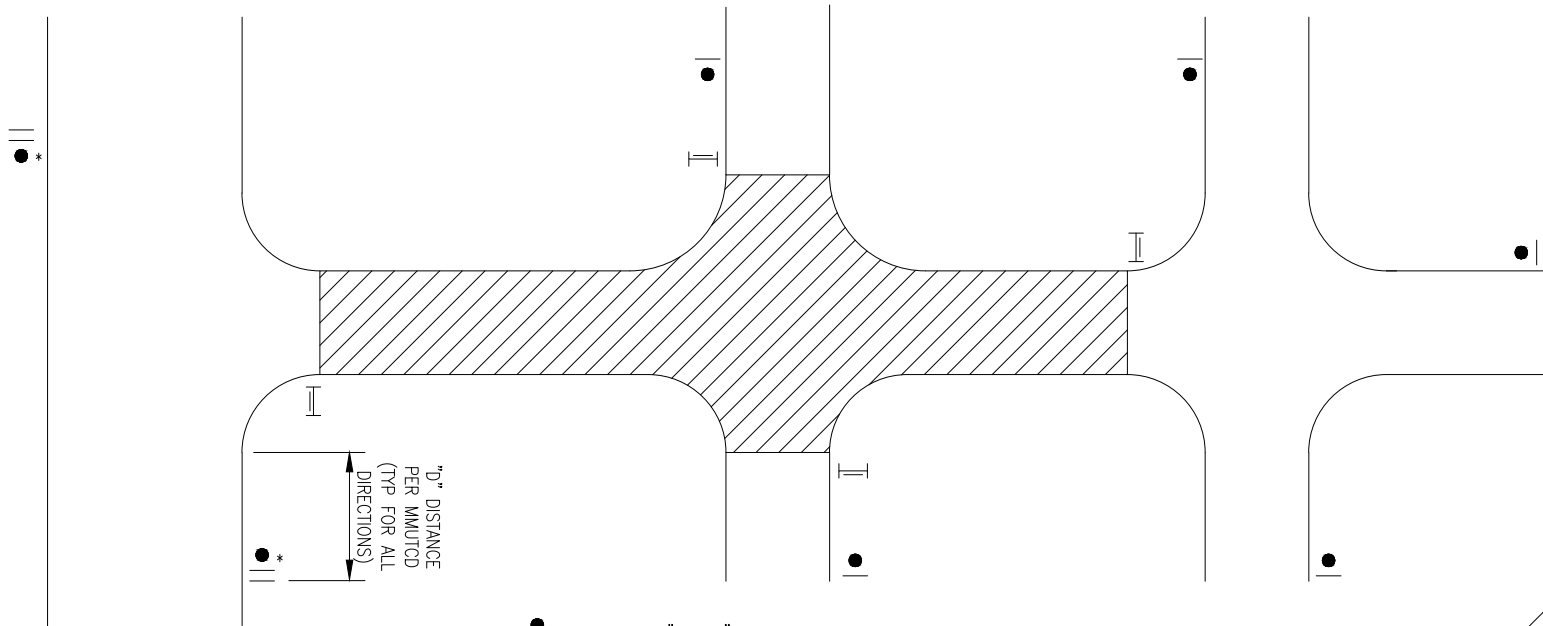
OHM JOB
0090-23-0080

SHEET NO.:
DET-21

MAJOR ROAD

MINOR ROAD

MINOR ROAD

NOTES:

A. ALL WORK WITHIN WAYNE COUNTY RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND GENERAL SPECIFICATIONS OF THE WAYNE COUNTY OF DEPARTMENT PUBLIC SERVICES.

B. THESE PLANS ARE NOT VALID WITHOUT ATTACHMENT OF THE WAYNE COUNTY PERMIT SPECIFICATIONS FOR CONSTRUCTION WITHIN THE ROAD RIGHT-OF-WAY, PARKS, DRAIN EASEMENT OR SANITARY SEWER UNDER JURISDICTION OF THE WAYNE COUNTY (07/01/93) REVISED 12/15/2004.

C. ALL TRAFFIC CONTROL DEVICES AND THEIR USAGE SHALL CONFORM TO THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD), 2011, THE 2012 MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, AND AS SPECIFIED HEREIN.

● W20-1 48" X 48"

●* ADDITIONAL W20-1 48" X 48"
WITH W16-8 (12" MIN. HEIGHT)

≡ TYPE III BARRICADE W/ R11-4 60" X 30"

▨ PAVEMENT WORK AREA LIMITS

*ALL W20-1 PLACED ON A MAJOR ROAD SHALL BE LISTED WITH A W16-8. A MAXIMUM OF TWO W16-8 CAN BE LISTED BELOW EACH W20-1. IF MORE THAN TWO W16-8 ARE REQUIRED FOR A WORK ZONE, AN ADDITIONAL W20-1 SHALL BE ADDED. PAYMENT FOR ADDITIONAL SIGNAGE IS INCLUDED IN "TRAFFIC CONTROL, RESIDENTIAL STREET"

Example Rd

W16-8
(WIDTH VARIES)
(BLACK LETTERS WITH
ORANGE BACKGROUND)



W20-1



R11-4

RESIDENTIAL STREET TYPICAL TRAFFIC CONTROL DETAIL SHEET



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DATE:

10/12/2023

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CITY OF LIVONIA

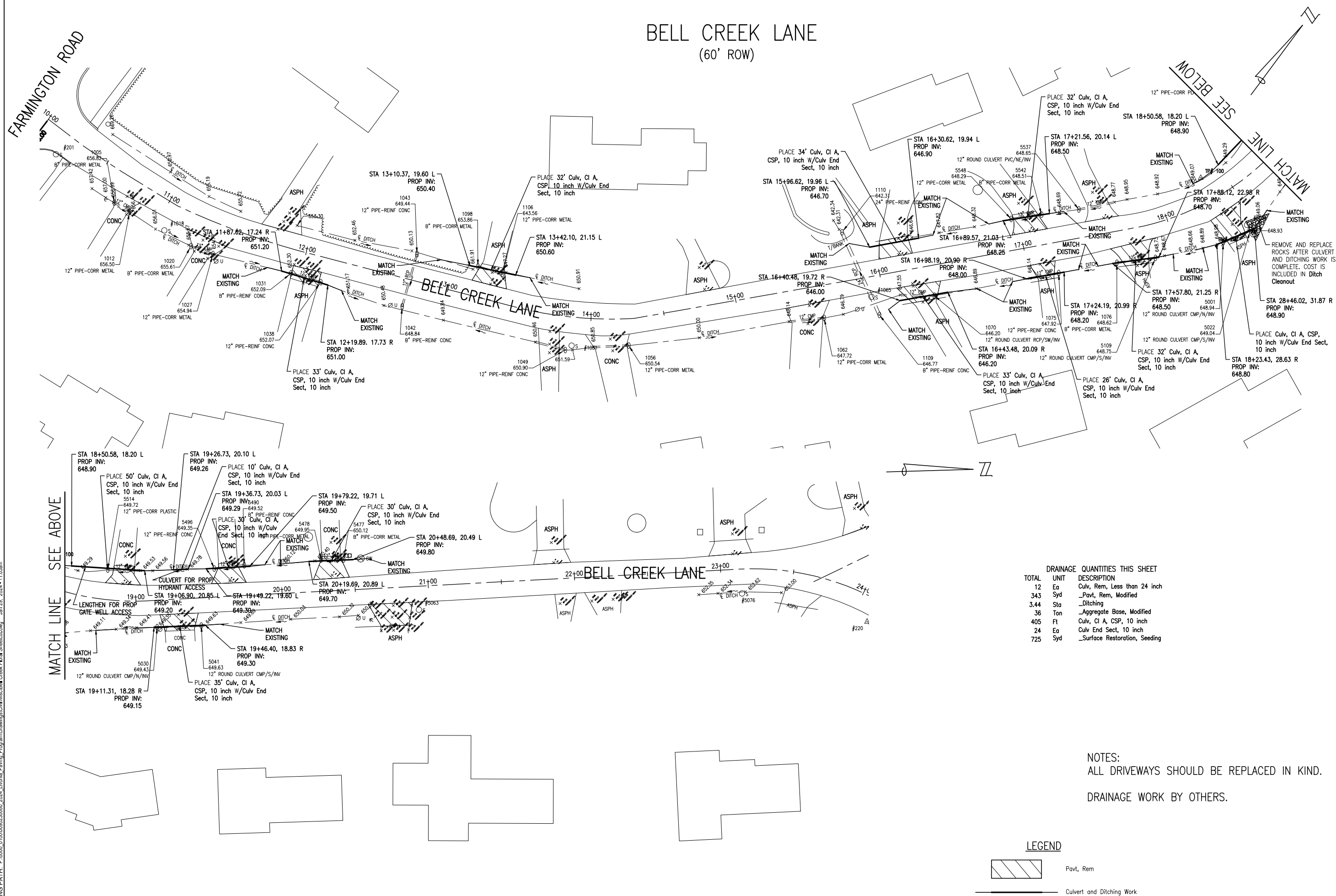
OHM JOB

0090-23-0080

SHEET NO.:

MOT-01

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DATE	PROJ NUMBER	ENG	CH	PROJ IGR	CADD	COUNTY	CITY/VILLAGE/TOWNSHIP	SCALE	HORIZ DATUM	VERT DATUM
11/20/2023	0092-2-0000	CH	MRL	AM	WAYNE	LIVONIA				

CITY OF LIVONIA

2024 ASPHALT PAVING PROGRAM

BELL CREEK - PLAN VIEW

127

DRAWING PATH: P:\000_01000\000200000_2024_Livonia_Paving_Program\Drawings\Civil\Misc\Bldg_Creek_Floral_Sheet.ctb Jan 29, 2024 - 11:07am

FLORAL ST



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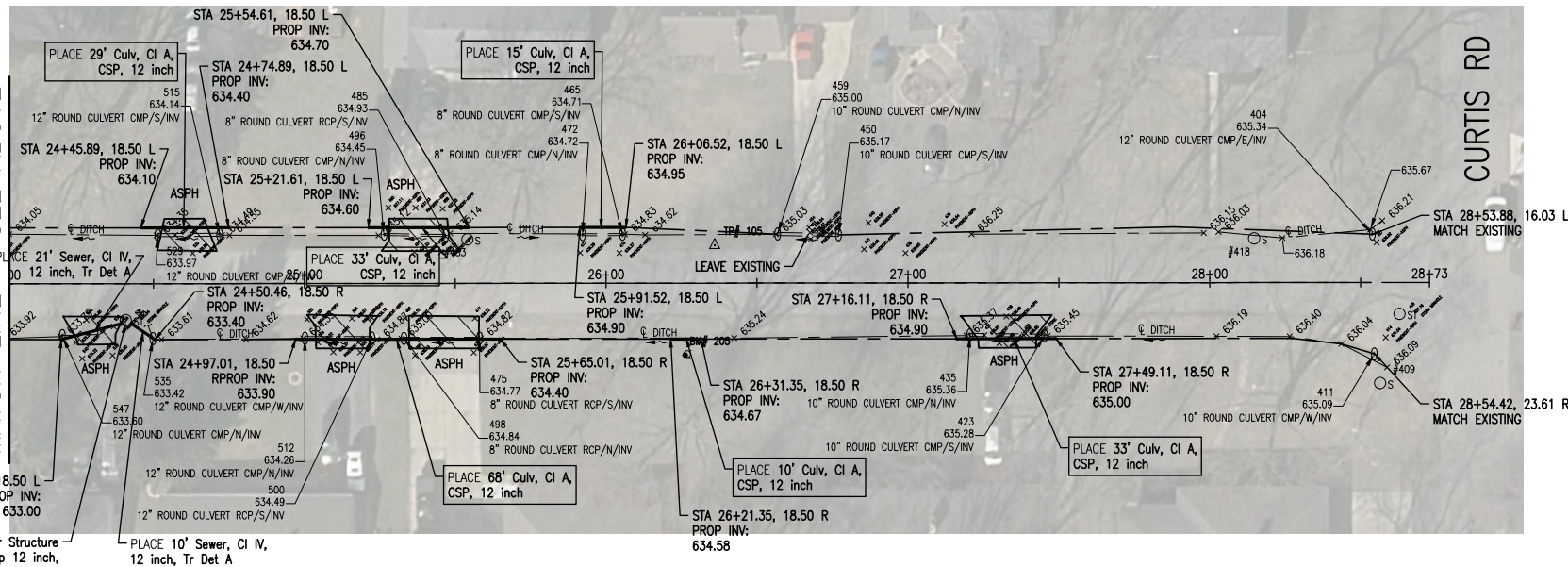
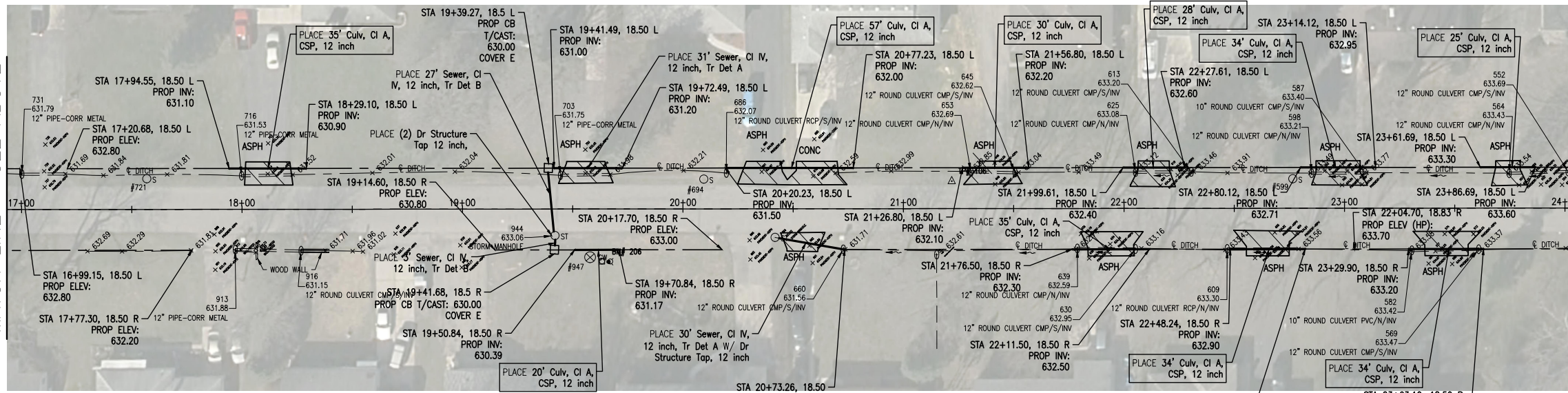
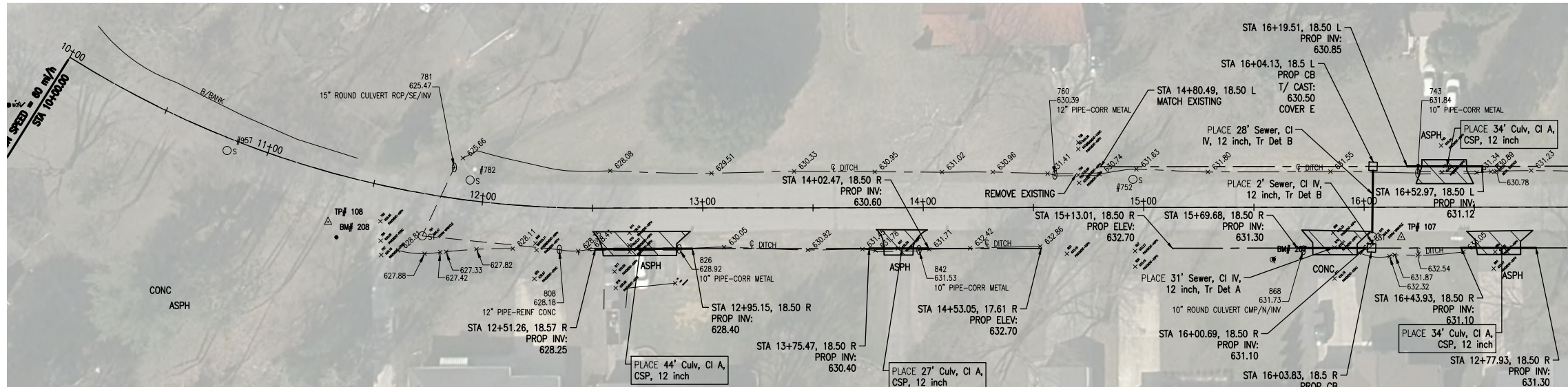
34000 Plymouth Road
Livonia, MI 48150
P (734) 522-6111 | F (734) 522-6427

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DATE	PROJ. NUMBER	ENG.	PROJ. MGR.	CADD	COUNTY	CITY/VILLAGE/TOWNSHIP	SCALE	H	N	V	DATE
11/27/2023	0002030000	CH		ANT	WAYNE	LIVONIA					

CITY OF LIVONIA
2024 ASPHALT PAVING PROGRAM
FLORAL ST - PLAN VIEW



NOTES:
ALL DRIVEWAYS SHOULD BE REPLACED IN KIND.

DRAINAGE WORK BY OTHERS.

CENTERLINE OF THE PROP DITCH SHALL BE PLACED 18.5'
FROM THE CENTERLINE OF THE ROAD.

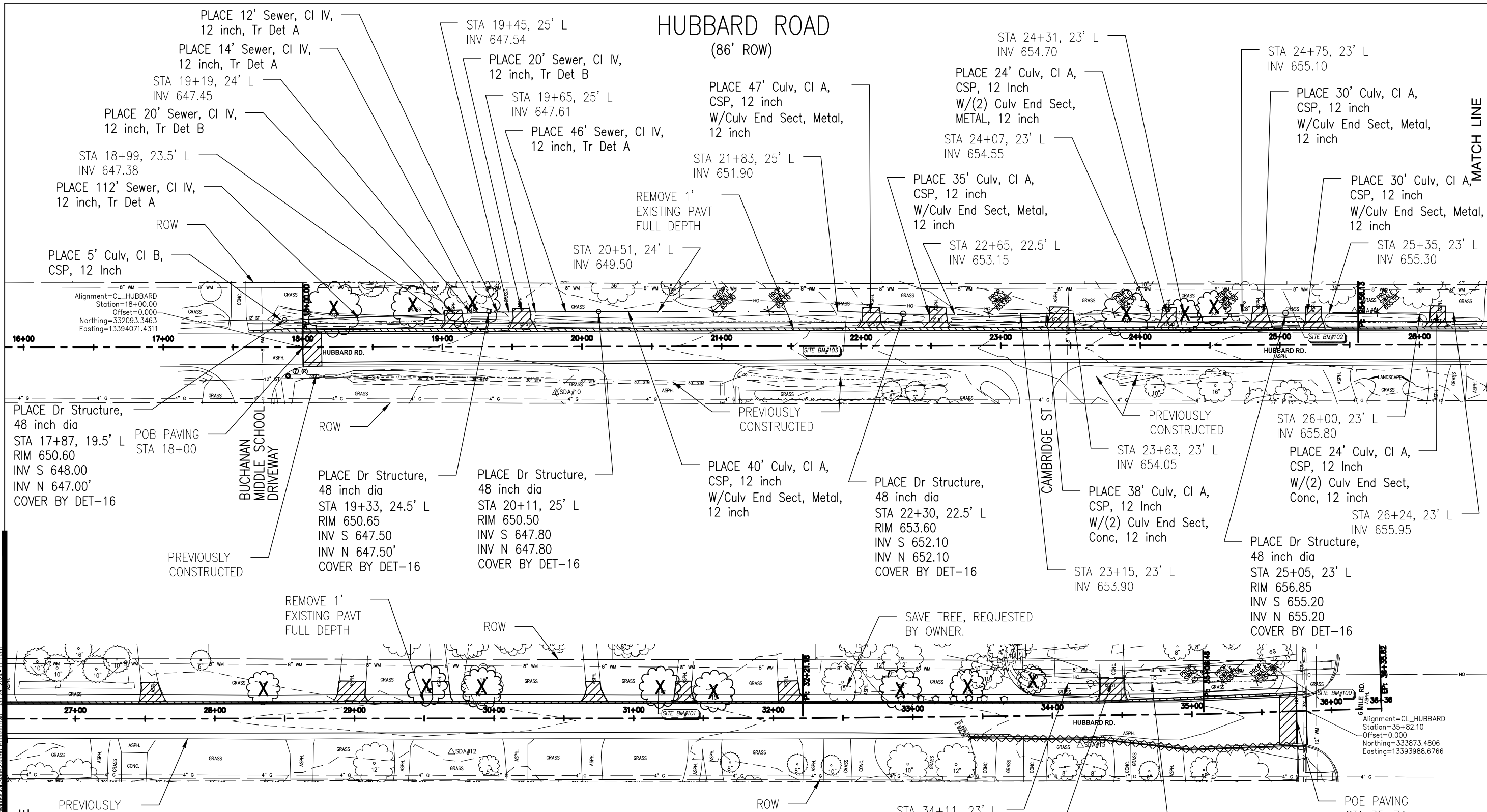
ALL PIPE ENDS SHALL HAVE END SECTIONS PLACED MATCHING
PIPE MATERIAL TYPE

LEGEND

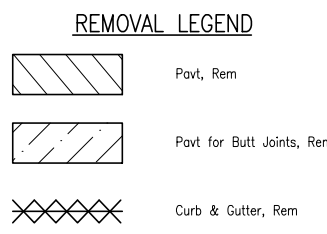
-
- Pavt, Rem
-
- Culvert and Ditching Work

TOTAL	UNIT	DESCRIPTION
0.0125	LSUM	Mobilization, Max
24	Ea	Culv, Rem, Less than 24 inch
562.00	Syd	_Pavt, Rem, Modified
19.305	Sta	_Ditching
4	Ea	Culv End Sect, Conc, 12 inch
40	Ea	Culv End Sect, Metal, 12 inch
659	Ft	Culv, CI A, CSP, 12 inch
183	Ft	Sewer, CI IV, 12 inch, Tr Det B
4	Ea	Dr Structure Cover, Type E
4	Ea	Dr Structure, 24 inch dia
5	Ea	Dr Structure, Tap, 12 inch
1	Ea	_Traffic Control, Residential Street
2799	Syd	_Surface Restoration, Seeding

DRAWING PATH: P:\0000_01000000\020080_2024_Livonia_Paving_Program\Drawings\City\Sheet\230380_Hubbard.dwg, Jan 29, 2024, 11:11pm



MATCH LINE

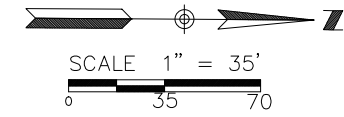


BENCHMARK DESCRIPTIONS

BM	DESCRIPTION	ELEVATION
BM 100	ARROW ON HYDRANT LOCATED AT THE SOUTHWEST CORNER OF 6 MILE ROAD AND HUBBARD ROAD.	656.73
BM 101	SET "BENCH-TIE" SPIKE IN EAST FACE OF 36" OAK TREE LOCATED ON THE WEST SIDE OF HUBBARD ROAD AT HOUSE #16911(LOT 157).	659.37
BM 102	ARROW ON HYDRANT LOCATED ON THE WEST SIDE OF HUBBARD ROAD APPROXIMATELY 176' NORTH OF THE CENTERLINE OF CAMBRIDGE DRIVE.	660.26
BM 103	SET "BENCH-TIE" SPIKE IN THE EAST FACE OF A UTILITY POLE LOCATED ON THE WEST SIDE OF HUBBARD ROAD APPROXIMATELY 137' SOUTH OF THE CENTERLINE OF CAMBRIDGE DRIVE.	654.05

DRAINAGE QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
14	Ea	Culv, Rem, Less than 24 inch
13	Ea	Culv End Sect, Metal, 12 inch
333	Ft	Culv, CI A, CSP, 12 inch
184	Ft	Sewer, CI IV, 12 inch, Tr Det A
40	Ft	Sewer, CI IV, 12 inch, Tr Det B
5	Ea	Dr Structure Cover, Type B
5	Ea	Dr Structure, 48 inch dia



NOTES:
ALL DRIVEWAYS SHOULD BE REPLACED IN KIND.
DRAINAGE TO BE PERFORMED BY ROAD CONTRACTOR.

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DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	COUNTY	CITY/VILLAGE/TOWNSHIP	SCALE	H	NTS	V	N/A	VERT DATUM	HORIZ DATUM	###
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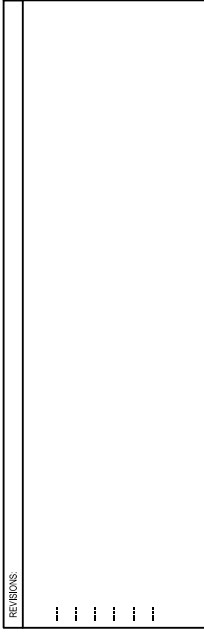
CITY OF LIVONIA

2024 ASPHALT PAVING PROGRAM

HUBBARD ROAD - PLAN VIEW

129

STAGING AND DETOUR SIGNING LEGEND					
SIGN	SIGN DESIGNATION	SIZE	NUMBER REQUIRED	AREA (SQ. FT)	TOTAL (SQ. FT)
	M4-8a	24"x18"	1	3	3
	M4-9L	30"x24"	3	5	15
	M4-9R	30"x24"	3	5	15
	M4-9S	30"x36"	2	7.5	15
	R3-1	24"x24"	1	4	4
	R6-1L	36"x12"	1	3	3
	R11-2	30"x18"	2	3.75	7.5
	W16-8P(a)	36"x12"	15	3	45
	W16-8P(b)	36"x12"	3	3	9
	W20-1	48"x48"	5	16	80
	W20-2	48"x48"	3	16	48
	W20-3	48"x48"	4	16	64



DATE	PROJ NUMBER	ENG	PROJ MGR	CAUD	COUNTY	CITY/VILLAGE/TOWNSHIP	H	NYS	SCALE	V	NVA	HORZ DATUM	VERT DATUM
1/2/2024	000524000	CH	MRL	CH	WAYNE	LIVONIA						value	value

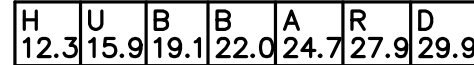
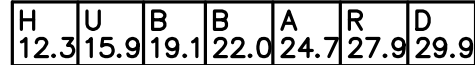
CITY OF LIVONIA

2024 ASPHALT PAVING PROGRAM

HUBBARD ST DETOUR PLAN - STAGE 1

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2. ALL CONSTRUCTION SIGNS SHALL CONFORM WITH THE 2011 EDITION OF THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
3. ALL TRAFFIC CONTROL DEVICES INCLUDING SIGNS, BARRICADES, PLASTIC DRUMS AND WARNING LIGHTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
4. TRAFFIC CONTROL DEVICES ARE TO BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE PROJECT. NIGHT PATROLS OF THE CONSTRUCTION AREA AND DETOUR ROUTE SHALL BE CONDUCTED BY THE CONTRACTOR AND WILL NOT BE PAID SEPARATELY, BUT WILL BE INCLUDED IN THE UNIT PRICES BID FOR TEMPORARY TRAFFIC CONTROL ITEMS.
5. ALL SIGNS USED AT NIGHT SHALL BE RETRO-REFLECTIVE WITH A MATERIAL THAT HAS A SMOOTH, SEALED OUTER SURFACE.



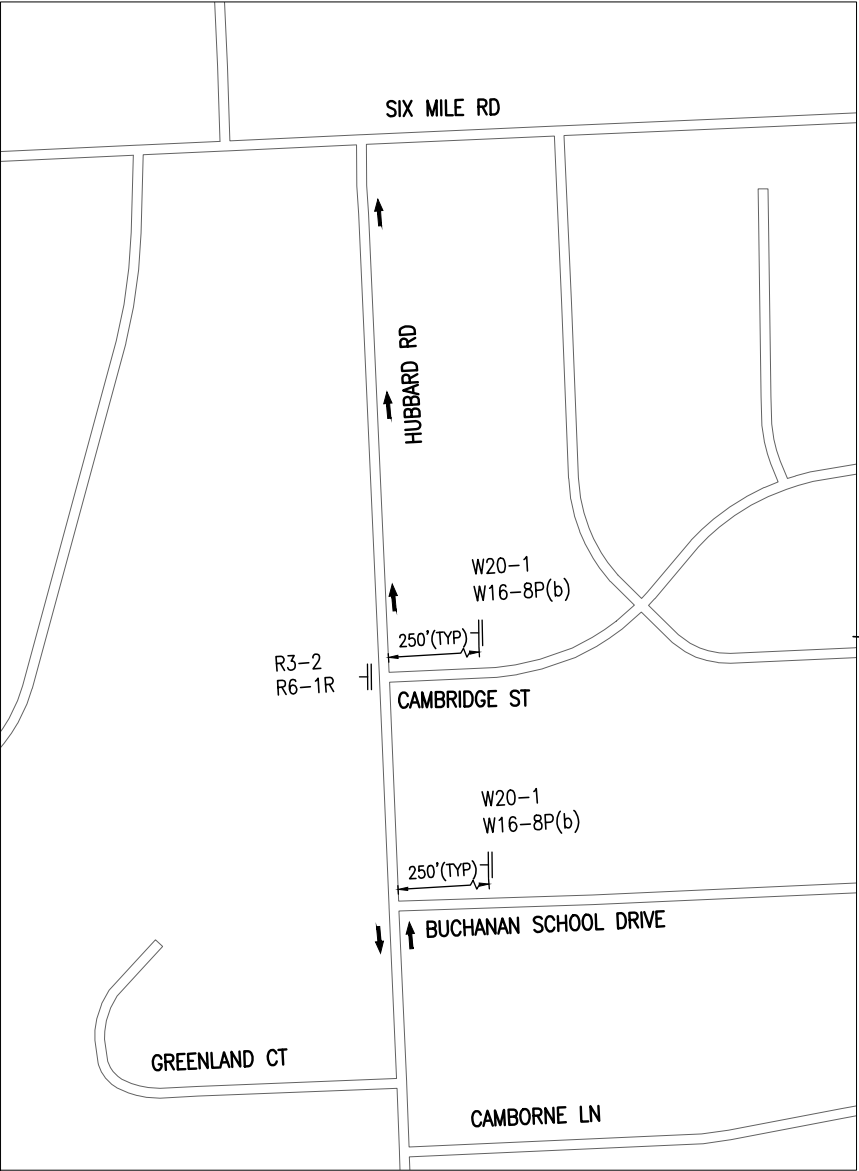
	TEMP SIGN
	TEMP SIGNS
	CONSTRUCTION LIMITS
	DETOUR ROUTE
	PLASTIC DRUM

DRAWING PATH: P:\0000_01000000\230080_2024_Livonia_Paving_Program\Drawings\Civil\Stage2\30080_DTR_Hubbard.dwg Jan 29, 2024 - 11:12am

STAGING AND DETOUR SIGNING LEGEND					
SIGN	SIGN DESIGNATION	SIZE	NUMBER REQUIRED	AREA (SQ. FT)	TOTAL (SQ. FT)
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	M4-9L	30"x24"	2	5	10
	M4-9R	30"x24"	2	5	10
	M4-9S	30"x36"	2	7.5	15
	R3-2	24"x24"	1	4	4
	R6-1R	36"x12"	1	3	3
	R11-2	30"x18"	1	3.75	3.75
	W16-8P(a)	36"x12"	3	3	9
	W16-8P(b)	36"x12"	17	3	51
	W20-1	48"x48"	6	16	96
	W20-2	48"x48"	3	16	48
	W20-3	48"x48"	4	16	64
	W20-5	"48x48"	1	16	16

TRAFFIC NOTES:

- DISTANCES SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED IN THE FIELD BY THE CONTRACTOR AND/OR ENGINEER TO AVOID CONFLICT OR OBSTRUCTION BY EXISTING TREES, SIGNS, DRIVEWAYS ETC, PRESENT IN THE FIELD BUT NOT SHOWN ON THE PLANS.
- ALL CONSTRUCTION SIGNS SHALL CONFORM WITH THE 2011 EDITION OF THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- ALL TRAFFIC CONTROL DEVICES INCLUDING SIGNS, BARRICADES, PLASTIC DRUMS AND WARNING LIGHTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- TRAFFIC CONTROL DEVICES ARE TO BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE PROJECT. NIGHT PATROLS OF THE CONSTRUCTION AREA AND DETOUR ROUTE SHALL BE CONDUCTED BY THE CONTRACTOR AND WILL NOT BE PAID SEPARATELY, BUT WILL BE INCLUDED IN THE UNIT PRICES BID FOR TEMPORARY TRAFFIC CONTROL ITEMS.
- ALL SIGNS USED AT NIGHT SHALL BE RETRO-REFLECTIVE WITH A MATERIAL THAT HAS A SMOOTH, SEALED OUTER SURFACE.



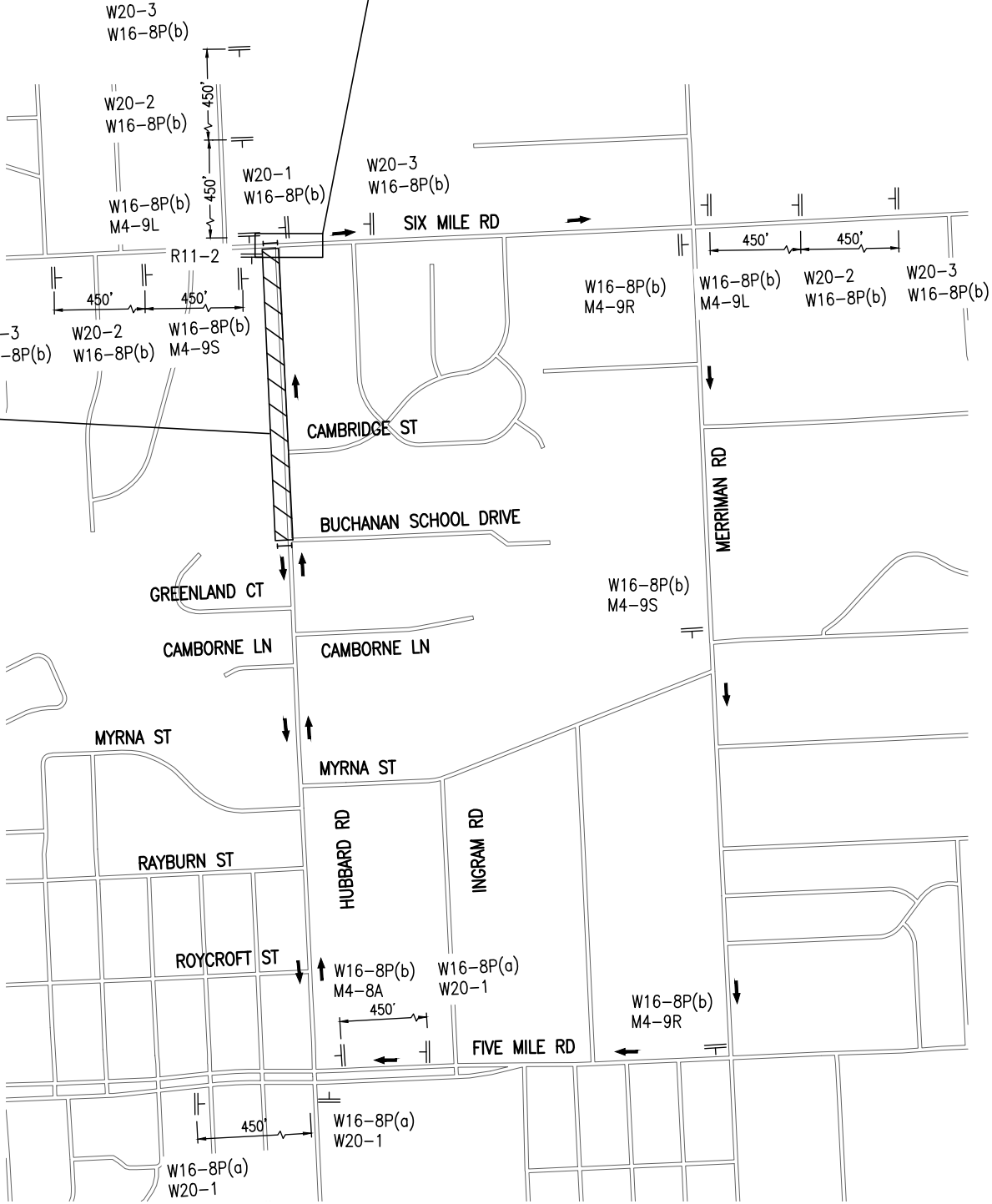
LOCAL CONSTRUCTION SIGNAGE

LEGEND

-  TEMP SIGN
-  TEMP SIGNS
-  CONSTRUCTION LIMITS
-  DETOUR ROUTE



DETOUR SIGNAGE





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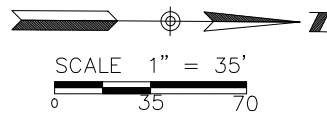
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DATE	PROJ NUMBER	ENG	PROJ INGR	CADD	COUNTY	CITY/VILLAGE/TOWNSHIP	SCALE	HORIZ DATUM	VERT DATUM
8/15/2020	008-23-0080	CH	MRL	CH	WAYNE	LIVONIA	H: NTS V: N/A	Value	Value
CITY OF LIVONIA 2024 ASPHALT PAVING PROGRAM HUBBARD ST DETOUR PLAN - STAGE 2									

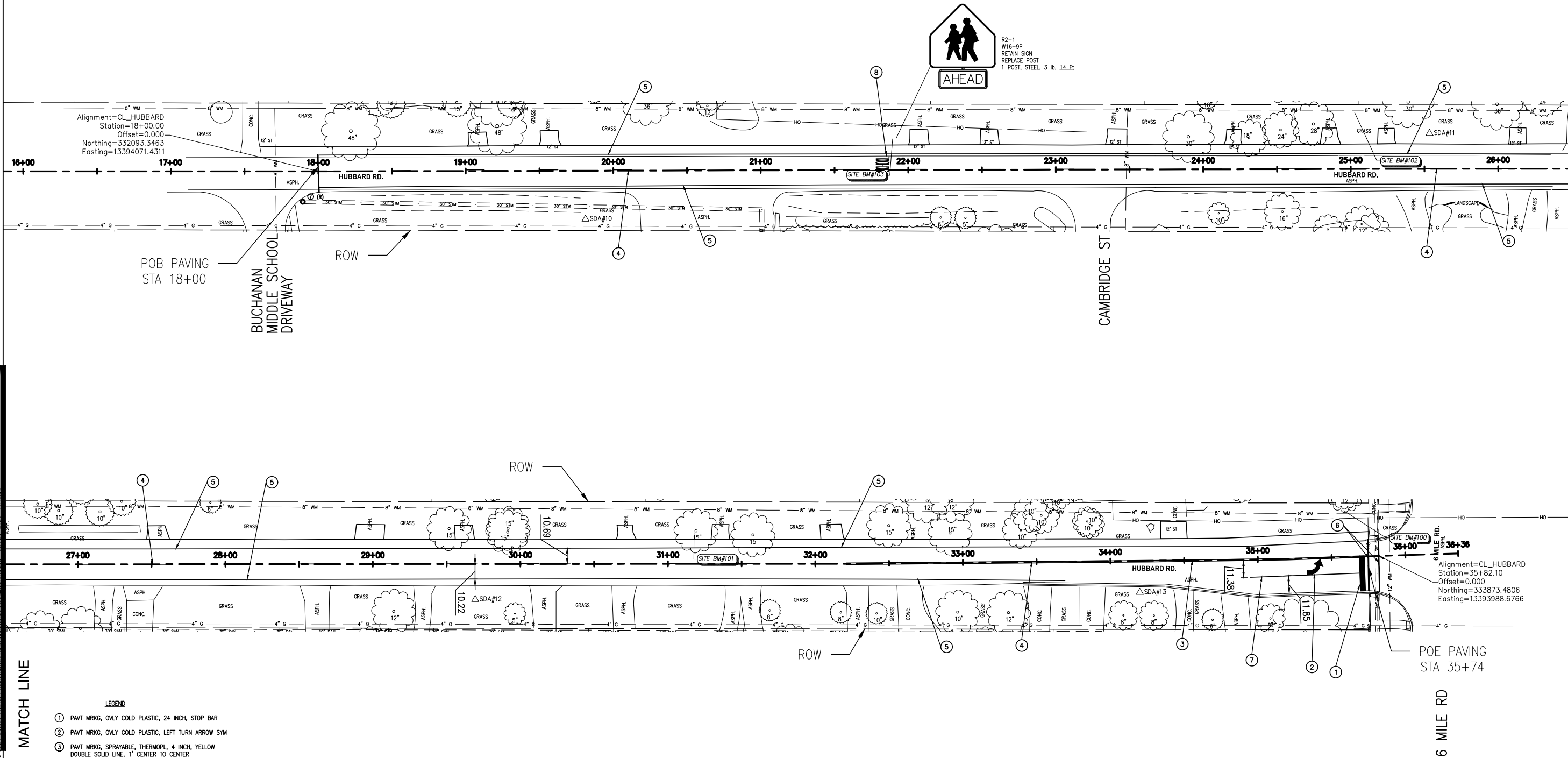
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MATCH LINE

- LEGEND
- 1 PAVT MRKG, ONLY COLD PLASTIC, 24 INCH, STOP BAR
 - 2 PAVT MRKG, ONLY COLD PLASTIC, LEFT TURN ARROW SYM
 - 3 PAVT MRKG, SPRAYABLE, THERMOPL, 4 INCH, YELLOW DOUBLE SOLID LINE, 1' CENTER TO CENTER
 - 4 PAVT MRKG, SPRAYABLE THERMOPL, 4 INCH, YELLOW, BROKEN LINE
 - 5 PAVT MRKG, SPRAYABLE THERMOPL, 6 INCH, WHITE
 - 6 PAVT MRKG, ONLY COLD PLASTIC, 6 INCH, CROSSWALK
 - 7 PAVT MRKG, SPRAYABLE THERMOPL, 4 INCH, WHITE
 - 8 PAVT MRKG, ONLY COLD PLASTIC, SCHOOL



NOTES:
ALL DASHED LINES YO BE 12.5' LONG WITH 37.5' GAP



MATCH LINE



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DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	COUNTY	CITY/VILAGE/TOWNSHIP	SCALE	H	NTS	V	N/A	HORIZ DATUM	VERT DATUM
16/02/24	009-02-0080	CH	MEL	CH	WAYNE	LIVONIA						####	####

CITY OF LIVONIA
2024 ASPHALT PAVING PROGRAM
HUBBARD ROAD - PMS

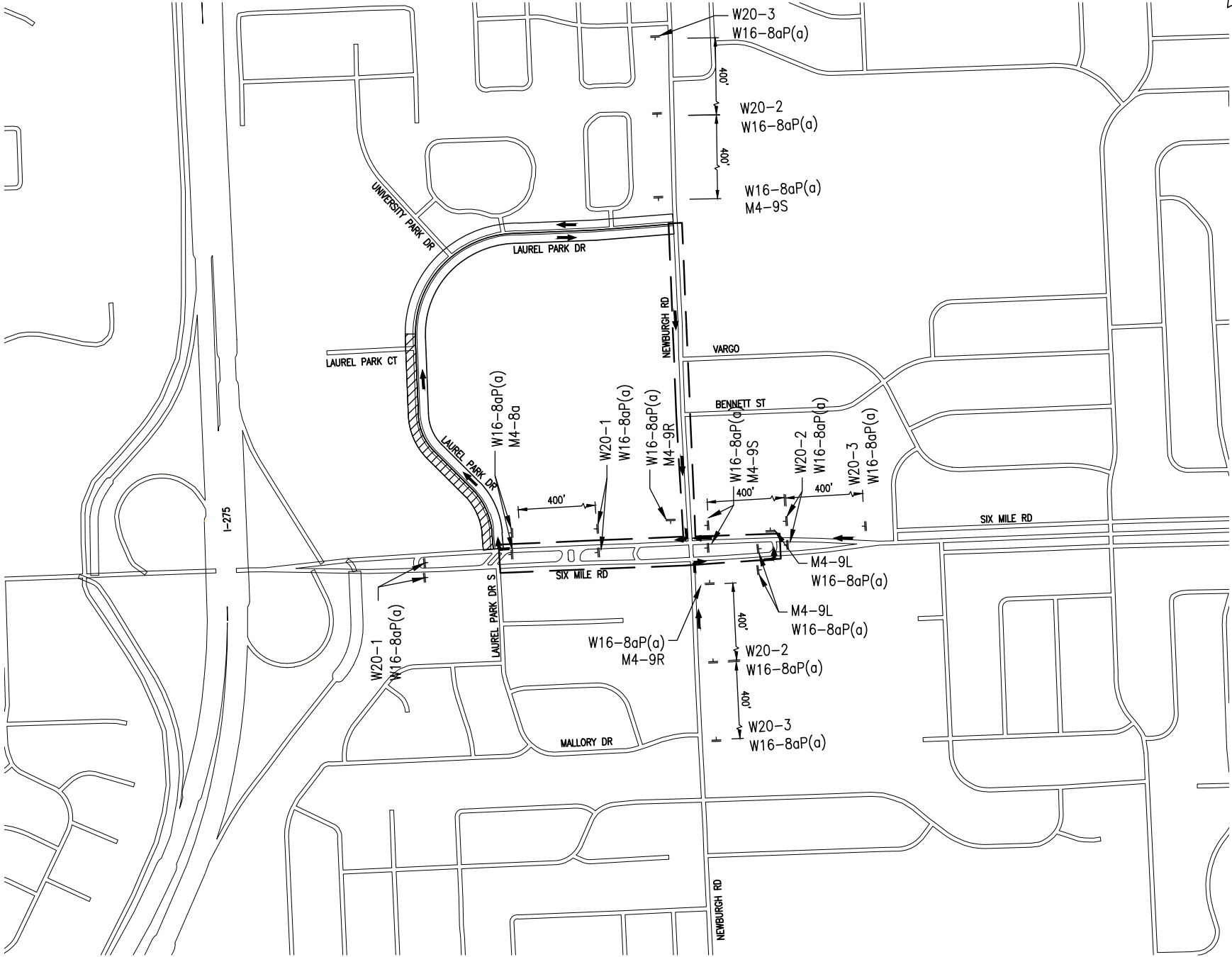
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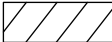
STAGING AND DETOUR SIGNING LEGEND					
SIGN	SIGN DESIGNATION	SIZE	NUMBER REQUIRED	AREA (SQ. FT)	TOTAL (SQ. FT)
	M4-8a	24"x18"	1	3	3
	M4-9S	30"x24"	5	5	25
	M4-9L	30"x24"	5	5	25
	M4-9R	30"x24"	2	5	10
	M4-10(R)	48"x18"	2	6	12
	R11-2	48"x30"	2	10	20
	R3-2	24"x24"	2	4	8
	R5-1A	30"x18"	3	3.75	11.25
	R5-18c	48"x48"	3	16	48
	R6-1L	36"x12"	3	3	9
	R6-1R	36"x12"	8	3	24
	W16-8aP(a)	36"x21"	17	5.25	89.25
	W20-1	36"x36"	6	9	54
	W20-2	36"x36"	7	9	63
	W20-3	36"x36"	4	9	36

TRAFFIC NOTES:

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- ALL SIGNS USED AT NIGHT SHALL BE RETRO-REFLECTIVE WITH A MATERIAL THAT HAS A SMOOTH, SEALED OUTER SURFACE.
- ACCESS TO PARKING LOTS OFF OF LAUREL PARK CT ARE TO BE MAINTAINED THROUGHOUT CONSTRUCTION.

LAUREL PARK DR DETOUR



LEGEND	
	TEMP SIGN
	TEMP SIGNS
	STAGE 1 WORK
	DETOUR ROUTE
	DETOUR ROUTE

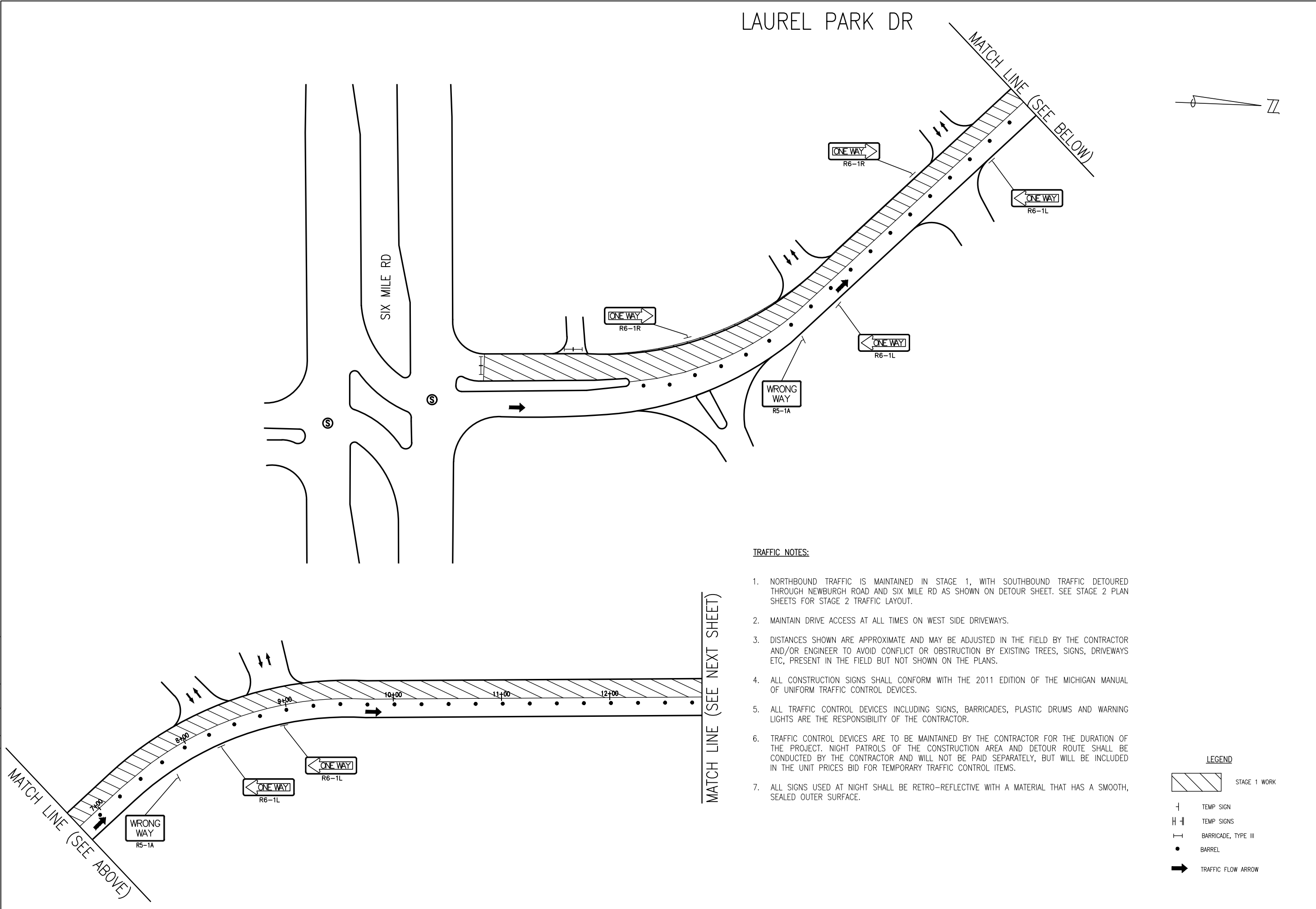


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Livonia, MI 48150
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DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	COUNTY	CITY/VILLAGE/TOWNSHIP	SCALE	HORIZ DATUM	VERT DATUM
12/29/22	0006-16-040	NA	MRL	MA	WAYNE	LIVONIA	H: NTS V: N/A	NAD 83/NA	NAVD 83
CITY OF LIVONIA									
2023 LIVONIA ASPHALT PAVING									
LAUREL PARK DR DETOUR PLAN-STG 1									

DRAWING PATH: P:\0000_0100\0090230080_2024_Livonia_Paving_Program\Drawings\Civil\Stage1\LaurelPark_STG.dwg Jan 29, 2024 • 11:08am



TRAFFIC NOTES:

1. NORTHBOUND TRAFFIC IS MAINTAINED IN STAGE 1, WITH SOUTHBOUND TRAFFIC DETOURED THROUGH NEWBURGH ROAD AND SIX MILE RD AS SHOWN ON DETOUR SHEET. SEE STAGE 2 PLAN SHEETS FOR STAGE 2 TRAFFIC LAYOUT.
2. MAINTAIN DRIVE ACCESS AT ALL TIMES ON WEST SIDE DRIVEWAYS.
3. DISTANCES SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED IN THE FIELD BY THE CONTRACTOR AND/OR ENGINEER TO AVOID CONFLICT OR OBSTRUCTION BY EXISTING TREES, SIGNS, DRIVEWAYS ETC, PRESENT IN THE FIELD BUT NOT SHOWN ON THE PLANS.
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7. ALL SIGNS USED AT NIGHT SHALL BE RETRO-REFLECTIVE WITH A MATERIAL THAT HAS A SMOOTH, SEALED OUTER SURFACE.

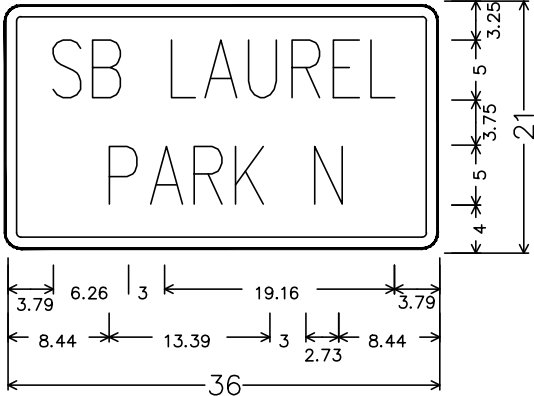
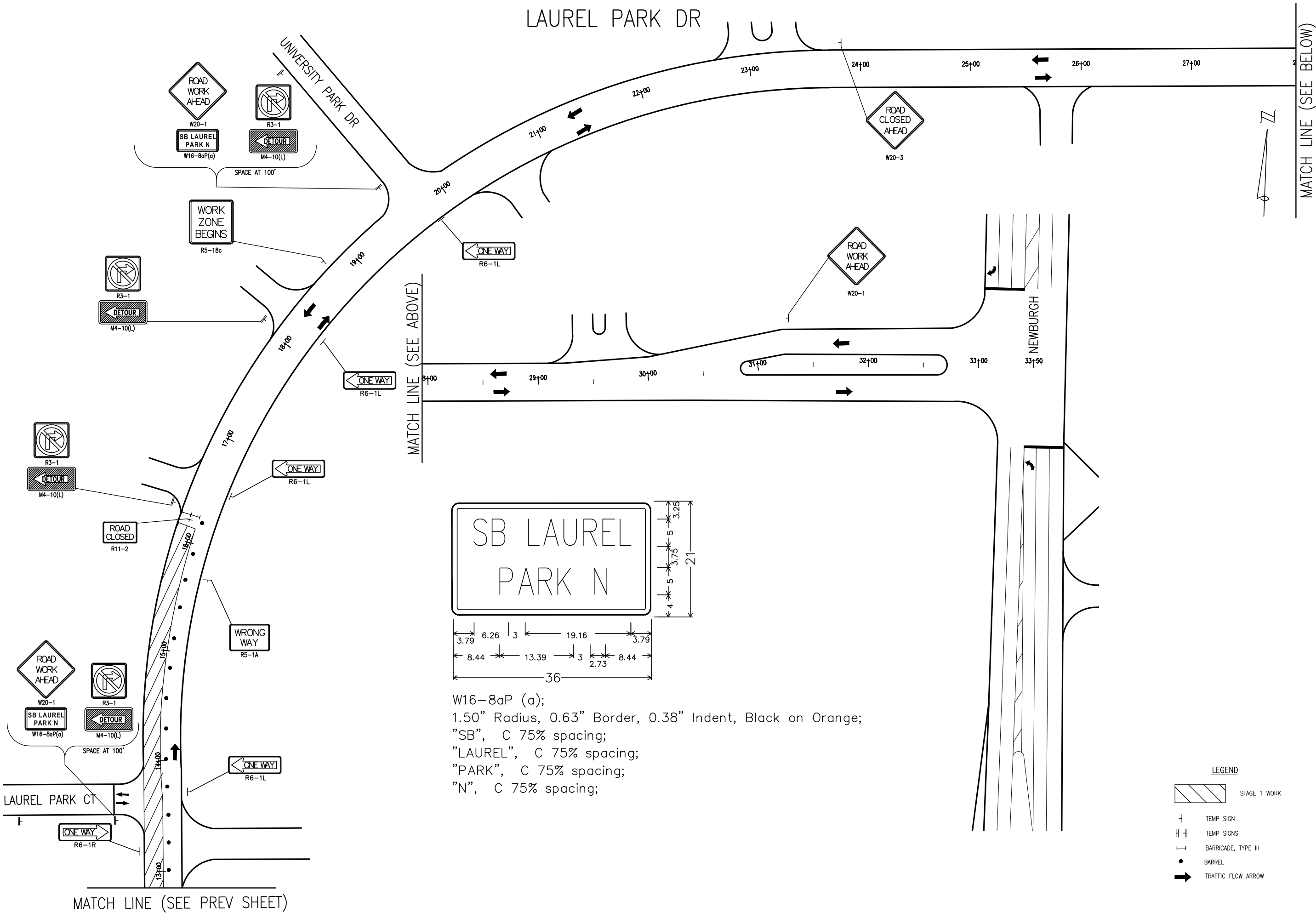
LEGEND

	STAGE 1 WORK
	TEMP SIGN
	TEMP SIGNS
	BARRICADE, TYPE III
	BARREL
	TRAFFIC FLOW ARROW

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34000 Plymouth Rd Livonia, MI 48150 P (734) 522-9711 F (734) 522-8427 OHM-ADVISORS.COM	
REVISIONS	#### #### #### #### ####
DATE	1/26/2024
PROJ NUMBER	0090230080
ENG	MA
PROJ MGR	MA
CADD	MA
COUNTY	WAYNE
CITY/VILLAGE/TOWNSHIP	LIVONIA
SCALE	H: 1"=80' V: 1"=80'
HORIZ DATUM	IND 83.84
VERT DATUM	MAVD 88
CITY OF LIVONIA 2023 LIVONIA ASPHALT PAVING LAUREL PARK DRIVE - STAGE 1 PLAN 1 OF 2	
SHEET	134

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W16-8aP (a);
1.50" Radius, 0.63" Border, 0.38" Indent, Black on Orange;
"SB", C 75% spacing;
"LAUREL", C 75% spacing;
"PARK", C 75% spacing;
"N", C 75% spacing;

- LEGEND
- STAGE 1 WORK
 - TEMP SIGN
 - TEMP SIGNS
 - BARRICADE, TYPE III
 - BARREL
 - TRAFFIC FLOW ARROW

ARCHITECTS ENGINEERS PLANNERS

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DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	COUNTY	CITY/VILLAGE/TOWNSHIP	SCALE	HORIZ DATUM	VERT DATUM
1/26/2024	000624-000	MA	MIL	MA	WAYNE	LIVONIA	H: 1"=80' V: 1"=8'	IND 83/84	NAVD 83

CITY OF LIVONIA

2023 LIVONIA ASPHALT PAVING

LAUREL PARK DRIVE - STAGE 1 PLAN 2 OF 2

SHEET

135

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STAGING AND DETOUR SIGNING LEGEND					
SIGN	SIGN DESIGNATION	SIZE	NUMBER REQUIRED	AREA (SQ. FT)	TOTAL (SQ. FT)
	M4-8a	24"x18"	1	3	3
	M4-9S	30"x24"	5	5	25
	M4-9L	30"x24"	5	5	25
	M4-9R	30"x24"	2	5	10
	M4-10(R)	48"x18"	2	6	12
	R11-2	48"x30"	2	10	20
	R3-2	24"x24"	2	4	8
	R5-1A	30"x18"	3	3.75	11.25
	R5-18c	48"x48"	3	16	48
	R6-1L	36"x12"	3	3	9
	R6-1R	36"x12"	8	3	24
	W16-8aP(b)	36"x21"	17	5.25	89.25
	W20-1	36"x36"	6	9	54
	W20-2	36"x36"	7	9	63
	W20-3	36"x36"	4	9	36

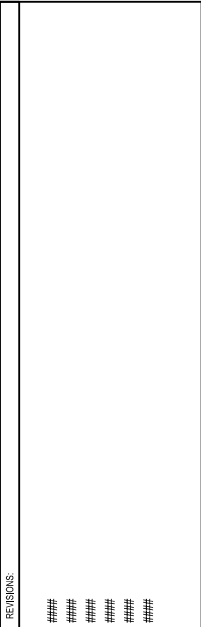
SIGN	SIGN DESIGNATION	SIZE	NUMBER REQUIRED	AREA (SQ. FT)	TOTAL (SQ. FT)
	M4-8a	24"x18"	1	3	3
	M4-9S	30"x24"	5	5	25
	M4-9L	30"x24"	5	5	25
	M4-9R	30"x24"	2	5	10
	M4-10(R)	48"x18"	2	6	12
	R11-2	48"x30"	2	10	20
	R3-2	24"x24"	2	4	8
	R5-1A	30"x18"	3	3.75	11.25
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	R6-1R	36"x12"	8	3	24
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	W20-1	36"x36"	6	9	54
	W20-2	36"x36"	7	9	63
	W20-3	36"x36"	4	9	36

The site plan illustrates the proposed 100-unit apartment complex and its surrounding infrastructure. The complex is situated at the intersection of I-275 and Six Mile Rd. The plan includes the following details:

- Streets and Intersections:**
 - I-275:** The major highway running vertically on the left side of the plan.
 - Six Mile Rd:** The horizontal road running through the center of the site.
 - University Park Dr:** A curved road at the top left, connecting to Laurel Park Dr.
 - Laurel Park Dr:** A road running horizontally at the top, connecting to University Park Dr and Newburgh Rd.
 - Newburgh Rd:** A vertical road on the right side, connecting to Laurel Park Dr and Vargo.
 - Vargo:** A horizontal road running below Newburgh Rd, connecting to Bennett St.
 - Bennett St:** A horizontal road running below Vargo, connecting to Six Mile Rd.
 - Mallory Dr:** A horizontal road at the bottom, connecting to Six Mile Rd.
- Proposed Building and Parking:**
 - The proposed building footprint is shown as a large rectangular area in the center-right of the site.
 - Parking spaces are indicated by small rectangles, with dimensions of 350' and 400' shown for specific areas.
- Easements and Setbacks:**
 - Various easements and setbacks are marked with dimensions, including 350', 400', and 400'.
 - Specific easement areas are labeled with codes such as W16-8aP(b), M4-8a, W20-2, W16-8aP(b), W20-3, M4-9L, and M4-9R.
- Other Features:**
 - Laurel Park Ct:** A small road branching off Laurel Park Dr.
 - Laurel Park Dr S:** A road branching off Six Mile Rd.
 - Shaded Areas:** Indicate specific easement or setback zones.

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6. ACCESS TO PARKING LOTS OFF OF LAUREL PARK CT ARE TO BE MAINTAINED THROUGHOUT CONSTRUCTION.

	TEMP SIGN
	TEMP SIGNS
	STAGE 2 WORK
	DETOUR ROUTE
	DETOUR ROUTE



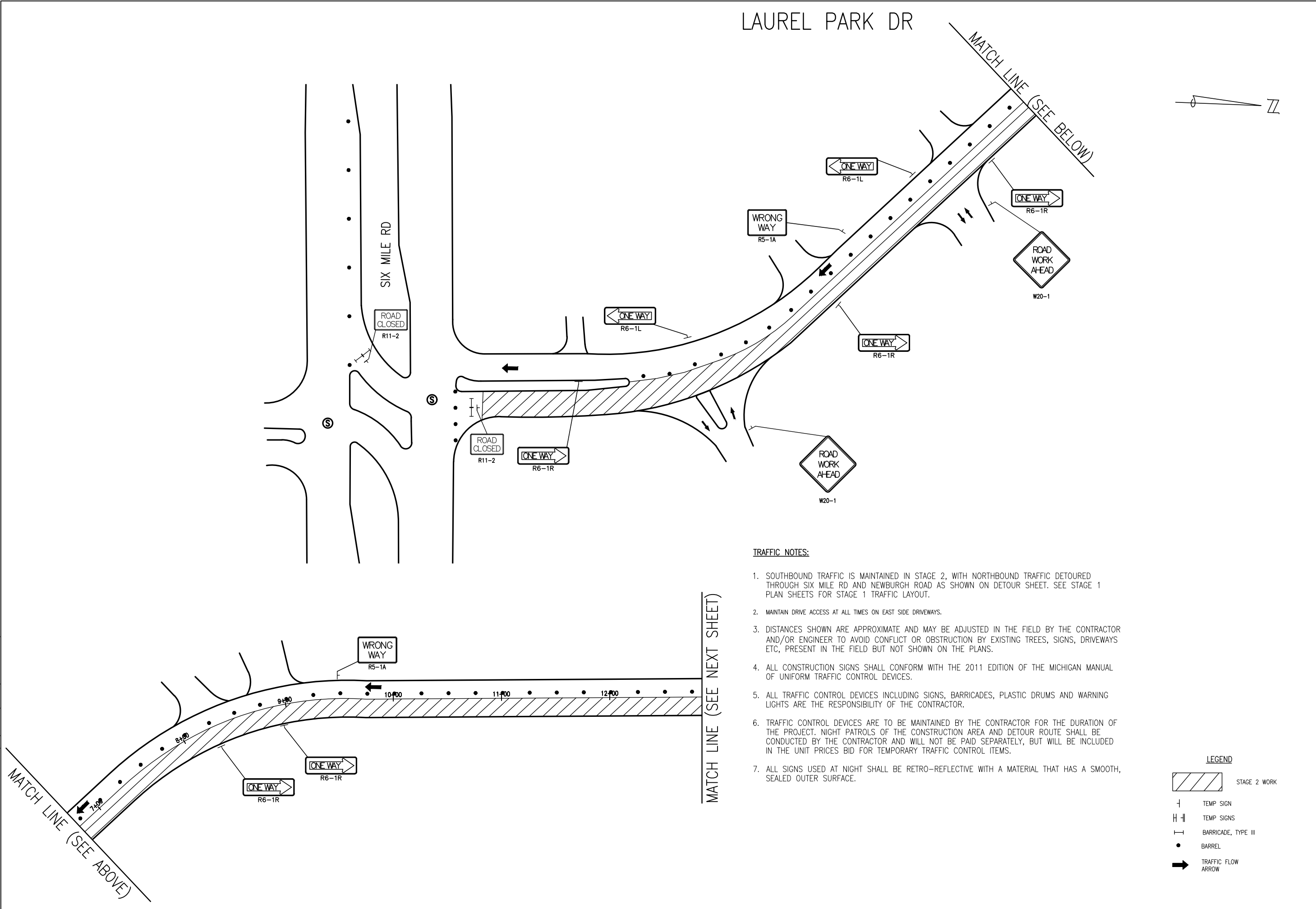
DATE	PRO NUMBER	ENG	PRO IGR	CADD	COUNTY	CITY/TAL/LAGE/TOWNSHIP	H	NTS	SCALE	V	NVA	HORIZ DATUM	VERT DATUM
10/12/2018	0090434040	MA	MRL	MA	WAYNE	LIVONIA						NAD 83/4	NAD 83

CITY OF LIVONIA

2023 LIVONIA ASPHALT PAVING

LAUREL PARK DR DETOUR PLAN-STG 2

DRAWING PATH: P:\0000_0100\0602\0080_2024_Livonia_Paving_Program\Drawings\Civil\Stage1\LaurelPark_STG.dwg Jan 29, 2024 • 11:10am



TRAFFIC NOTES:

1. SOUTHBOUND TRAFFIC IS MAINTAINED IN STAGE 2, WITH NORTHBOUND TRAFFIC DETOURED THROUGH SIX MILE RD AND NEWBURGH ROAD AS SHOWN ON DETOUR SHEET. SEE STAGE 1 PLAN SHEETS FOR STAGE 1 TRAFFIC LAYOUT.
2. MAINTAIN DRIVE ACCESS AT ALL TIMES ON EAST SIDE DRIVEWAYS.
3. DISTANCES SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED IN THE FIELD BY THE CONTRACTOR AND/OR ENGINEER TO AVOID CONFLICT OR OBSTRUCTION BY EXISTING TREES, SIGNS, DRIVEWAYS ETC, PRESENT IN THE FIELD BUT NOT SHOWN ON THE PLANS.
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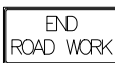
LEGEND

	STAGE 2 WORK
	TEMP SIGN
	TEMP SIGNS
	BARRICADE, TYPE III
	BARREL
	TRAFFIC FLOW ARROW

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DATE	PROJ NUMBER
1/29/2024	000624-0080
ENG	MA
PROJ MGR	MA
CADD	MA
COUNTY	WAYNE
CITY/VILLAGE/TOWNSHIP	LIVONIA
SCALE	H: 1"=80' V: 1"=80'
HORIZONTAL DATUM	NAD 83/NA
VERT DATUM	NAVD 88
CITY OF LIVONIA	
2023 LIVONIA ASPHALT PAVING	
LAUREL PARK DRIVE - STAGE 2 PLAN 1 OF 2	
SHEET	137

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STAGING AND DETOUR SIGNING LEGEND

SIGN	SIGN DESIGNATION	SIZE	NUMBER REQUIRED	AREA (SQ. FT)	TOTAL (SQ. FT)
	R5-18c	48"x48"	2	16	32
	W20-1	36"x36"	10	9	90
	R5-18B	48"x60"	2	20	40
	W20-5	36"x36"	2	9	18
	W3-5B	36"x36"	2	9	18
	W4-2(L/R)	36"x36"	2	9	18
	R2-1	24"x30"	4	5	20
	G20-2	36"x18"	2	4.5	9

QUANTITIES THIS SHEET		
TOTAL	UNIT	DESCRIPTION
8	Ea	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn
8	Ea	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper
2	Ea	Lighted Arrow, Type C, Furn
2	Ea	Lighted Arrow, Type C, Oper
9600	Ft	Pavt Mrlkg, Longit, 6 inch or Less Width, Rem
6400	Ft	Pavt Mrlkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp
6400	Ft	Pavt Mrlkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp
185	Ea	Plastic Drum, Fluorescent, Furn
185	Ea	Plastic Drum, Fluorescent, Oper
291	Sft	Sign, Type B, Temp, Prismatic, Furn
291	Sft	Sign, Type B, Temp, Prismatic, Oper

LEGEND

TEMP SIGN
TEMP SIGNS



→ DETOUR ROUTE

↗ DETOUR ROUTE



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1000

1:30 —

VONIA	H: 1°=40'	V: 1°=2'
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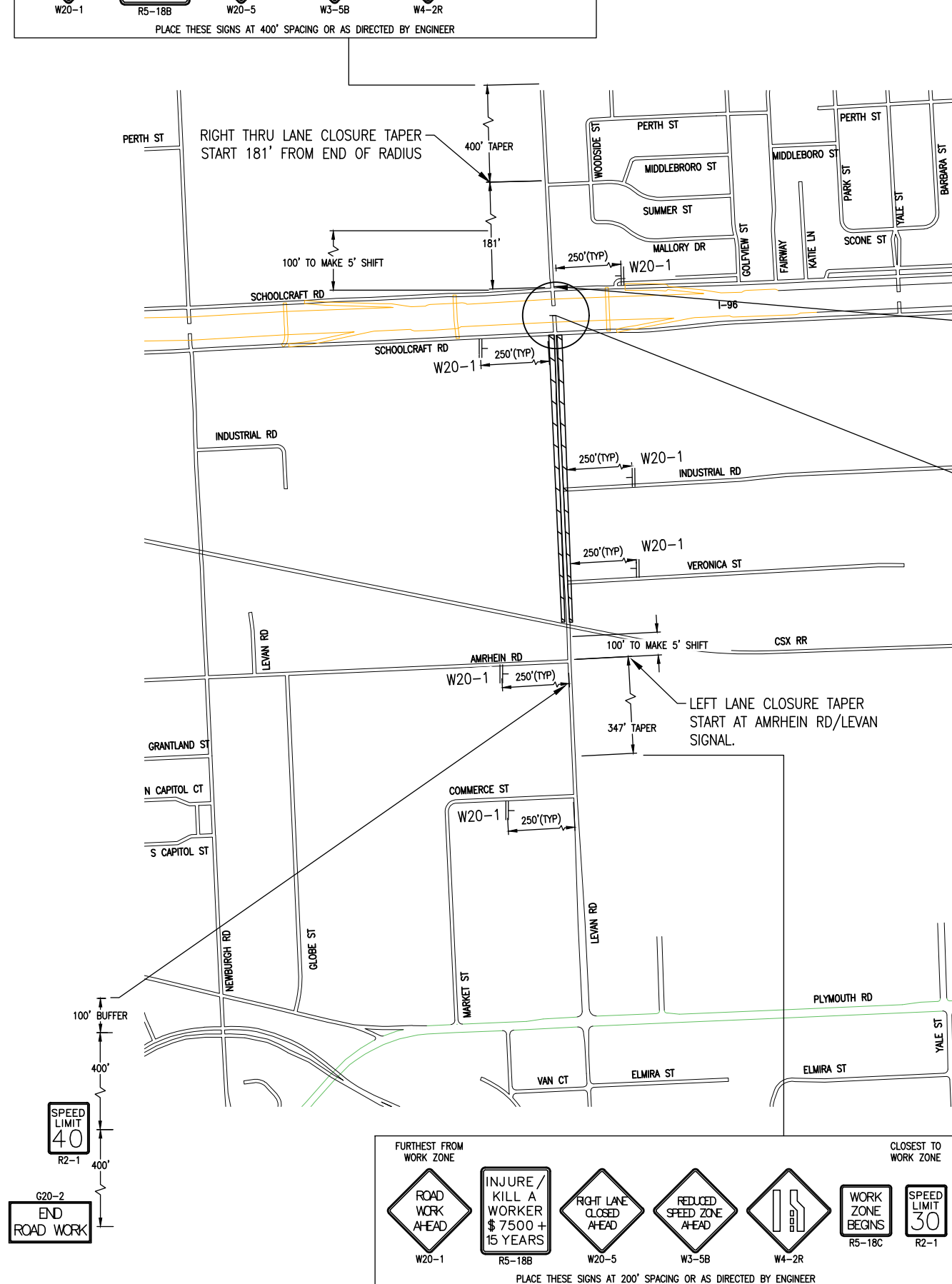
MRL	CH	WAYNE
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AUG 2023	0090-23-0080	CH
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CITY OF LIVONIA
2024 ASPHALT PAVING PROGRAM
LEVAN_STG - MOT STAGE 1

LEVAN_STG - MOT STAGE 1

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39

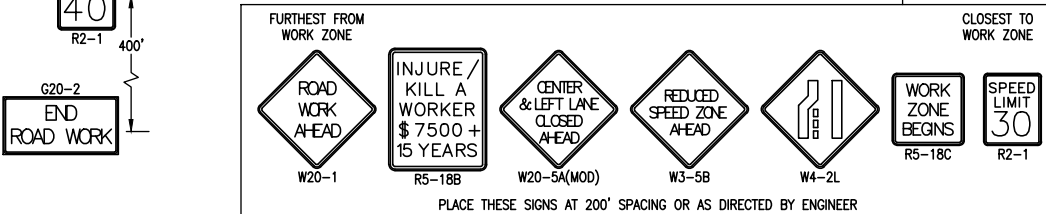


Diagram illustrating the layout of a 56' wide Right of Way (ROW) for a two-lane road. The layout shows a 13' TEMP SB TRAVEL LANE on the left, a 33' WORK AREA in the center, and a 13' TEMP NB TRAVEL LANE on the right. Arrows indicate traffic flow: down for SB and up for NB. Two traffic cones are positioned at the boundaries of the work area. A dashed line indicates the edge of the road, and a cross-hatched area represents the shoulder or construction zone.

APPENDIX A SOIL BORINGS

THE FOLLOWING IS FOR INFORMATION ONLY ASSISTING THE CONTRACTOR IN MAKING HIS OR HER OWN DETERMINATION OF ASPHALT THICKNESS ON THE PROPOSED ROADWAYS. THE CORES REPRESENT POINT INFORMATION AND VARIATIONS TO THAT SHOWN COULD OCCUR OVER THE EXTENT EACH ROADWAY.

Test Hole Log

Project Name: 2024 Livonia Paving Program

Project NO.: 0090-23-0080

Location: Livonia, MI

Client: City of Livonia

Date: 10/10/2023

By: Andrew Perez

Probe/Core: #01

Street: Levan

Address: 13300

Station: N/A

Offset: 9' W of road edge

Lane: NB

Ground EL: N/A

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	1.5	1.5 in.	HMA Overlay - Top Course	
1.5	4	2.5 in.	HMA Overlay - Leveling Course	
4	13.5	9.5 in.	Concrete	

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Test Hole Log

Project Name: 2024 Livonia Paving Program

Project NO.: 0090-23-0080

Location: Livonia, MI

Client: City of Livonia

Date: 10/10/2023

By: Andrew Perez

Probe/Core: #02

Street: Levan

Address: 12955

Station: N/A

Offset: 6.5' W of road edge

Lane: NB

Ground EL: N/A

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	1.5	1.5 in.	HMA Overlay - Top Course	
1.5	4.75	3.25 in.	HMA Overlay - Leveling Course	
4.75	13.75	9 in.	Concrete	

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Test Hole Log

Project Name: 2024 Livonia Paving Program

Project NO.: 0090-23-0080

Location: Livonia, MI

Client: City of Livonia

Date: 10/10/2023

By: Andrew Perez

Probe/Core: #03

Street: Levan

Address: 12855

Station: N/A

Offset: 7' E of road edge

Lane: SB

Ground EL: N/A

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	2	2 in.	HMA Overlay - Top Course	
2	4.75	2.75 in.	HMA Overlay - Leveling Course	
4.75	13.75	9 in.	Concrete	

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Test Hole Log

Project Name: 2024 Livonia Paving Program

Project NO.: 0090-23-0080

Location: Livonia, MI

Client: City of Livonia

Date: 10/10/2023

By: Andrew Perez

Probe/Core: #04

Street: Levan

Address: 13300

Station: N/A

Offset: 6.5' E of road edge

Lane: SB

Ground EL: N/A

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	1.75	1.75 in.	HMA Overlay - Top Course	
1.75	4.5	2.75 in.	HMA Overlay - Leveling Course	
4.5	15	10.5 in.	Concrete	

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Test Hole Log

Project Name: 2024 Livonia Paving Program

Project NO.: 0090-23-0080

Location: Livonia, MI

Client: City of Livonia

Date: 10/6/2023

By: Andrew Perez/Megan Jauch

Probe/Core: #05

Street: Whitby

Address: 15940

Station: N/A

Offset: 5' W of road edge

Lane: NB

Ground EL: N/A

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	3	3 in.	HMA	
3	6	3 in.	Dirt	
6	14	8 in.	Class II Sand	

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Test Hole Log

PLACE PHOTO BELOW

Project Name: 2024 Livonia Paving Program

Project NO.: 0090-23-0080

Location: Livonia, MI

Client: City of Livonia

Date: 10/6/2023

By: Andrew Perez/Megan Jauch

Probe/Core: #06

Street: Whitby

Address: 15747

Station: N/A

Offset: 4' E of road edge

Lane: SB

Ground EL: N/A



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	3.5	3.5 in.	HMA	
3.5	7.5	4 in.	Dirt	
7.5	15.5	8 in.	Class II Sand	

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Test Hole Log

Project Name: 2024 Livonia Paving Program

Project NO.: 0090-23-0080

Location: Livonia, MI

Client: City of Livonia

Date: 10/6/2023

By: Andrew Perez/Megan Jauch

Probe/Core: #07

Street: Stamford

Address: 15624

Station: N/A

Offset: 4.5' W of road edge

Lane: NB

Ground EL: N/A

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	3.5	3.5 in.	HMA	
3.5	8.5	5 in.	Dirt	

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Test Hole Log

Project Name: 2024 Livonia Paving Program

Project NO.: 0090-23-0080

Location: Livonia, MI

Client: City of Livonia

Date: 10/6/2023

By: Andrew Perez/Megan Jauch

Probe/Core: #08

Street: Stamford

Address: 15745

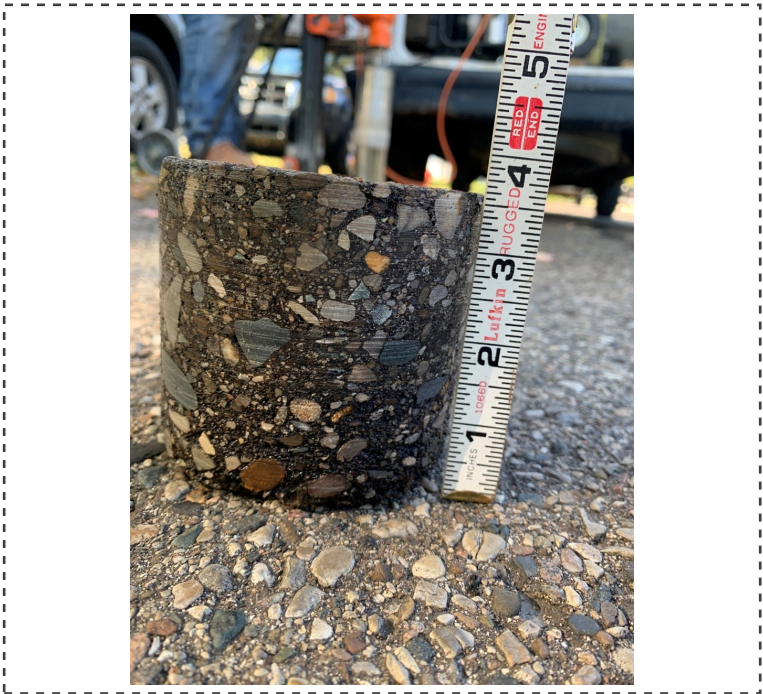
Station: N/A

Offset: 4' E of road edge

Lane: SB

Ground EL: N/A

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	1.5	1.5 in.	HMA - Top Course	
1.5	4	2.5 in.	HMA - Leveling Course	
4	9	5 in	Dirt	

Depth to Groundwater From Ground Surface Upon Completion: N/A

Notes: HMA - Leveling 0.5" broke off

Test Hole Log

Project Name: 2024 Livonia Paving Program

Project NO.: 0090-23-0080

Location: Livonia, MI

Client: City of Livonia

Date: 10/9/2023

By: Andrew Perez

Probe/Core: #09

Street: Edington

Address: 15382

Station: N/A

Offset: 5' W of road edge

Lane: NB

Ground EL: N/A

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	3	3 in.	HMA	
3	9	6 in.	crush and shape material	

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Test Hole Log

Project Name: 2024 Livonia Paving Program

Project NO.: 0090-23-0080

Location: Livonia, MI

Client: City of Livonia

Date: 10/9/2023

By: Andrew Perez

Probe/Core: #10

Street: Edington

Address: 15475

Station: N/A

Offset: 5' E of road edge

Lane: SB

Ground EL: N/A

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	4.5	4.5 in.	HMA	
4.5	10.5	6 in.	crush and shape material	

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Test Hole Log

Project Name: 2024 Livonia Paving Program

Project NO.: 0090-23-0080

Location: Livonia, MI

Client: City of Livonia

Date: 10/10/2023

By: Andrew Perez

Probe/Core: #11

Street: Morlock

Address: 30120

Station: N/A

Offset: 5' S of road edge

Lane: WB

Ground EL: N/A

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	1.5	1.5 in.	HMA - Top Course	
1.5	4.5	3 in.	HMA - Leveling Course	
4.5	10.5	6 in.	21AA	
10.5			Dirt	

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Test Hole Log

Project Name: 2024 Livonia Paving Program

Project NO.: 0090-23-0080

Location: Livonia, MI

Client: City of Livonia

Date: 10/9/2023

By: Andrew Perez

Probe/Core: #12

Street: Morlock

Address: 30063

Station: N/A

Offset: 5.5' N of road edge

Lane: EB

Ground EL: N/A

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	5	5 in.	HMA	
5			Class II Sand	

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Test Hole Log

Project Name: 2024 Livonia Paving Program

Project NO.: 0090-23-0080

Location: Livonia, MI

Client: City of Livonia

Date: 10/9/2023

By: Andrew Perez

Probe/Core: \$13

Street: Sunset

Address: 19025

Station: N/A

Offset: 7' E of road edge

Lane: SB

Ground EL: N/A

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	2	2 in.	HMA - Top Course	
2	4.5	2.5 in	HMA - Leveling Course	
4.5	7.5	3 in	HMA - Base Course	

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes: No good bond between leveling and base course

Test Hole Log

Project Name: 2024 Livonia Paving Program

Project NO.: 0090-23-0080

Location: Livonia, MI

Client: City of Livonia

Date: 10/9/2023

By: Andrew Perez

Probe/Core: #14

Street: Sunset

Address: 18938

Station: N/A

Offset: 7' W of road edge

Lane: NB

Ground EL: N/A

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	2	2 in.	HMA - Top Course	
2	5.25	3.25 in	HMA - Leveling Course	
5.25	8.5	3.25 in	HMA - Base Course	

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes: No good bond between leveling and base course

Test Hole Log

Project Name: 2024 Livonia Paving Program

Project NO.: 0090-23-0080

Location: Livonia, MI

Client: City of Livonia

Date: 10/10/2023

By: Andrew Perez

Probe/Core: #15

Street: Hubbard

Address: 16941

Station: N/A

Offset: 5' E of road edge

Lane: SB

Ground EL: N/A

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	2	2 in.	HMA - Top Course	
2	5	3 in	HMA - Leveling Course	
5			21AA	

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Test Hole Log

Project Name: 2024 Livonia Paving Program

Project NO.: 0090-23-0080

Location: Livonia, MI

Client: City of Livonia

Date: 10/10/2023

By: Andrew Perez

Probe/Core: #16

Street: Hubbard

Address: 16770

Station: N/A

Offset: 13' W of road edge

Lane: NB

Ground EL: N/A

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	2	2 in.	HMA - Top Course	
2	5.5	3.5 in	HMA - Leveling Course	

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Test Hole Log

Project Name: 2024 Livonia Paving Program

Project NO.: 0090-23-0080

Location: Livonia, MI

Client: City of Livonia

Date: 10/10/2023

By: Andrew Perez

Probe/Core: #17

Street: Hubbard

Address: 16940

Station: N/A

Offset: 16.5' W of road edge

Lane: NB

Ground EL: N/A

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	2	2 in.	HMA - Top Course	
2	5	3 in	HMA - Leveling Course	
5			21AA Subbase	

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Project Name: Residential Street Rehabilitation Program

Project Location: 17424 Floral, City of Livonia, Michigan

Client: OHM, Inc.

Project Number: 22-09003G-10

Date: 10/12/2022 to 10/18/2022

DATE STARTED 10/12/22 **COMPLETED** 10/18/22 **GROUND ELEVATION** 100 ft **HOLE SIZE** 3-1/4 inches

Drilling CONTRACTOR Fibertec Environmental Services

GROUND WATER LEVELS:

Drilling METHOD Hand Auger

AT TIME OF Drilling Dry

LOGGED BY R. Muthala

CHECKED BY D. Yip

AT END OF Drilling Dry

NOTES Borehole backfilled with excavated materials and pavement repaired with quick set concrete.

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS			FINES CONTENT (%)
									LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	
0		PAVEMENT: ASPHALT (4.25")										
1		FILL: Brown and Gray SANDY GRAVEL with Trace of Silt										
2		FILL: Brown and Gray SILTY SAND with Trace to Little Gravel										
3												

End of Boring at 3.0 ft.

Figure No.: 31

Project Name: Residential Street Rehabilitation Program

Project Location: 17550 Floral, City of Livonia, Michigan

Client: OHM, Inc.

Project Number: 22-09003G-10

Date: 10/12/2022 to 10/18/2022

DATE STARTED 10/12/22 **COMPLETED** 10/18/22 **GROUND ELEVATION** 100 ft **HOLE SIZE** 3-1/4 inches
Drilling CONTRACTOR Fibertec Environmental Services **GROUND WATER LEVELS:**
Drilling METHOD Hand Auger **AT TIME OF Drilling** Dry
LOGGED BY R. Muthala **CHECKED BY** D. Yip **AT END OF Drilling** Dry
NOTES Borehole backfilled with excavated materials and pavement repaired with quick set concrete.

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS			FINES CONTENT (%)
									LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	
0		PAVEMENT: ASPHALT (3.75")										
1		FILL: Brown SANDY GRAVEL with Trace of Silt										
2		FILL: Brown SAND with Trace of Silt and Gravel										
3												

End of Boring at 3.0 ft.

Figure No.: 32

GEOTRAN HAND AUGER LOGS - GINT STD US LAB.GDT - 11/1/22 17:17 - G:\MY DRIVE\GEOTRAN - DY\GEOTRAN DY\2022\22-09003G_CITY OF LIVONIA\HAND AUGER LOGS.GPJ

Project Name: Residential Street Rehabilitation Program

Project Location: 17910 Floral, City of Livonia, Michigan

Client: OHM, Inc.

Project Number: 22-09003G-10

Date: 10/12/2022 to 10/18/2022

DATE STARTED 10/12/22 **COMPLETED** 10/18/22 **GROUND ELEVATION** 100 ft **HOLE SIZE** 3-1/4 inches
Drilling CONTRACTOR Fibertec Environmental Services **GROUND WATER LEVELS:**
Drilling METHOD Hand Auger **AT TIME OF Drilling** Dry
LOGGED BY R. Muthala **CHECKED BY** D. Yip **AT END OF Drilling** Dry
NOTES Borehole backfilled with excavated materials and pavement repaired with quick set concrete.

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS			FINES CONTENT (%)
									LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	
0		PAVEMENT: ASPHALT (4.25")										
1		FILL: Brown SANDY GRAVEL with Trace of Silt										
2		FILL: Dark Brown and Gray SILTY SAND with Trace to Little Silt and Trace of Gravel										
3												

End of Boring at 3.0 ft.

Figure No.: 33

GEOTRAN HAND AUGER LOGS - GINT STD US LAB.GDT - 11/1/22 17:17 - G:\MY DRIVE\GEOTRAN - DY\GEOTRAN DY\2022\22-09003G - CITY OF LIVONIA\HAND AUGER LOGS.GPJ

Project Name: Residential Street Rehabilitation Program

Project Location: 18026 Floral, City of Livonia, Michigan

Client: OHM, Inc.

Project Number: 22-09003G-10

Date: 10/12/2022 to 10/18/2022

DATE STARTED 10/12/22 **COMPLETED** 10/18/22 **GROUND ELEVATION** 100 ft **HOLE SIZE** 3-1/4 inches
Drilling CONTRACTOR Fibertec Environmental Services **GROUND WATER LEVELS:**
Drilling METHOD Hand Auger **AT TIME OF Drilling** Dry
LOGGED BY R. Muthala **CHECKED BY** D. Yip **AT END OF Drilling** Dry
NOTES Borehole backfilled with excavated materials and pavement repaired with quick set concrete.

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS			FINES CONTENT (%)
									LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	
0		PAVEMENT: ASPHALT (4.5")										
1		FILL: Brown SANDY GRAVEL with Trace of Silt										
2		FILL: Dark Brown SAND with Trace to Little Silt and Trace of Gravel										
3												

End of Boring at 3.0 ft.

Figure No.: 34

GEOTRAN HAND AUGER LOGS - GINT STD US LAB.GDT - 11/1/22 17:17 - G:\MY DRIVE\GEOTRAN - DY\GEOTRAN DY\2022\22-09003G - CITY OF LIVONIA\HAND AUGER LOGS.GPJ

Project Name: Residential Street Rehabilitation Program
Project Location: 18181 Floral, City of Livonia, Michigan
Client: OHM, Inc.

Project Number: 22-09003G-10
Date: 10/12/2022 to 10/18/2022

DATE STARTED 10/12/22 **COMPLETED** 10/18/22 **GROUND ELEVATION** 100 ft **HOLE SIZE** 3-1/4 inches
Drilling CONTRACTOR Fibertec Environmental Services **GROUND WATER LEVELS:**
Drilling METHOD Hand Auger **AT TIME OF Drilling** Dry
LOGGED BY R. Muthala **CHECKED BY** D. Yip **AT END OF Drilling** Dry
NOTES Borehole backfilled with excavated materials and pavement repaired with quick set concrete.

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS			FINES CONTENT (%)
									LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	
0		PAVEMENT: ASPHALT (4.5")										
1		FILL: Brown SANDY GRAVEL with Trace of Silt										
2		FILL: Brown SAND with Trace of Silt										
3		Brown SILTY CLAY with Trace of Sand and Gravel										

End of Boring at 3.0 ft.

Figure No.: 35

GEOTRAN HAND AUGER LOGS - GINT STD US LAB.GDT - 11/1/22 17:17 - G:\MY DRIVE\GEOTRAN - DY\GEOTRAN DY\2022\22-09003G - CITY OF LIVONIA\HAND AUGER LOGS.GPJ

Test Hole Log: 61

Project Name: Livonia Paving Cores

Project NO: 0090.20.0060

Location: Livonia, Mi

Client: City of Livonia

Date: 12/8/2020 4:10:00 PM

By: K. Krizanich / R. Miller

Probe/Core: #23

Street: Bell Creek

Address: 16857

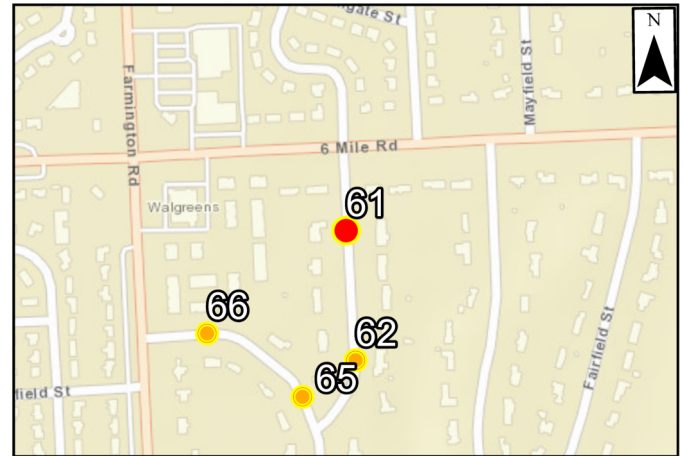
Station: _____

Offset: 5 feet from CL

Lane: SB

Lat / Long: 42.410774 / -83.370999

Location Map



1 inch equals 800 feet (Esri Roads Basemap)

Core Photo



PAVEMENT AND

SUBSURFACE CONDITIONS (all measurements are in inches)

From	To	Layer Thickness	Description	Comment
0	3.5	3.5	Asphalt	
3.5	12	8.5	21AA	

Depth to Groundwater from Ground Surface upon completion: _____

Notes:

Test Hole Log: 62

Project Name: Livonia Paving Cores

Project NO: 0090.20.0060

Location: Livonia, Mi

Client: City of Livonia

Date: 12/8/2020 4:13:00 PM

By: K. Krizanich / R. Miller

Probe/Core: #24

Street: Bell Creek

Address: 16780

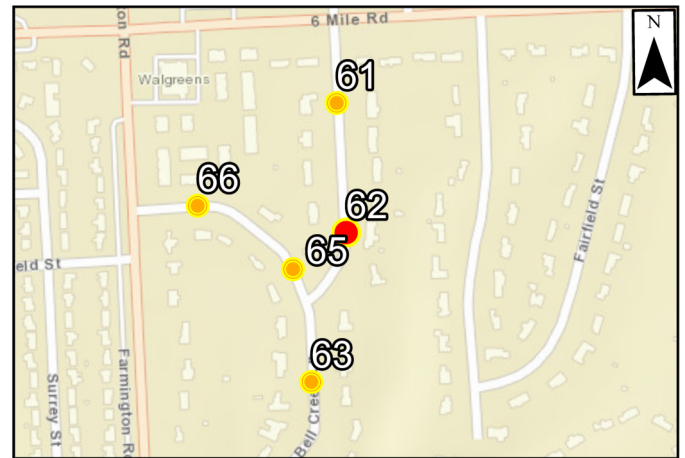
Station: _____

Offset: 6 feet from CL

Lane: NB

Lat / Long: 42.409292 / -83.370877

Location Map



1 inch equals 800 feet (Esri Roads Basemap)

Core Photo



PAVEMENT AND

SUBSURFACE CONDITIONS (all measurements are in inches)

From	To	Layer Thickness	Description	Comment
0	5	5	Asphalt	
5	12	7	21AA	

Depth to Groundwater from Ground Surface upon completion: _____

Notes:

Test Hole Log: 63

Project Name: Livonia Paving Cores

Project NO: 0090.20.0060

Location: Livonia, Mi

Client: City of Livonia

Date: 12/8/2020 4:15:00 PM

By: K. Krizanich / R. Miller

Probe/Core: #25

Street: Bell Creek

Address: 16557

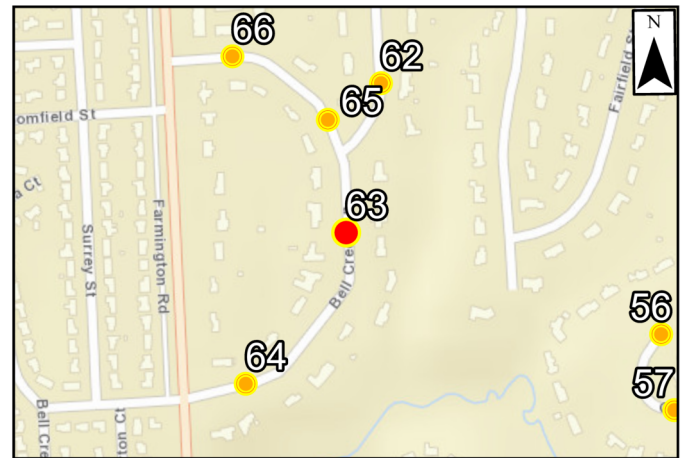
Station: _____

Offset: 4 feet from CL

Lane: SB

Lat / Long: 42.40759 / -83.371441

Location Map



1 inch equals 800 feet (Esri Roads Basemap)

Core Photo



PAVEMENT AND

SUBSURFACE CONDITIONS (all measurements are in inches)

From	To	Layer Thickness	Description	Comment
0	4	4	Asphalt	
4	12	8	21AA	

Depth to Groundwater from Ground Surface upon completion: _____

Notes:

Test Hole Log: 64

Location Map

Project Name: Livonia Paving Cores

Project NO: 0090.20.0060

Location: Livonia, Mi

Client: City of Livonia

Date: 12/8/2020 4:22:00 PM

By: K. Krizanich / R. Miller

Probe/Core: #26

Street: Bell Creek

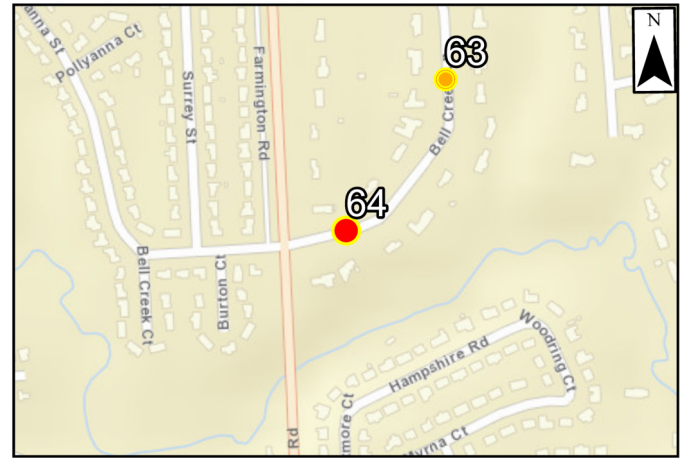
Address: 16340

Station: _____

Offset: 6 feet from CL

Lane: SB

Lat / Long: 42.405876 / -83.373016



1 inch equals 800 feet (Esri Roads Basemap)

Core Photo



PAVEMENT AND

SUBSURFACE CONDITIONS (all measurements are in inches)

From	To	Layer Thickness	Description	Comment
0	4	4	Asphalt	
4	12	8	21AA	

Depth to Groundwater from Ground Surface upon completion: _____

Notes:

Test Hole Log: 65

Project Name: Livonia Paving Cores

Project NO: 0090.20.0060

Location: Livonia, Mi

Client: City of Livonia

Date: 12/8/2020 4:25:00 PM

By: K. Krizanich / R. Miller

Probe/Core: #27

Street: Bloomfield

Address: 16701

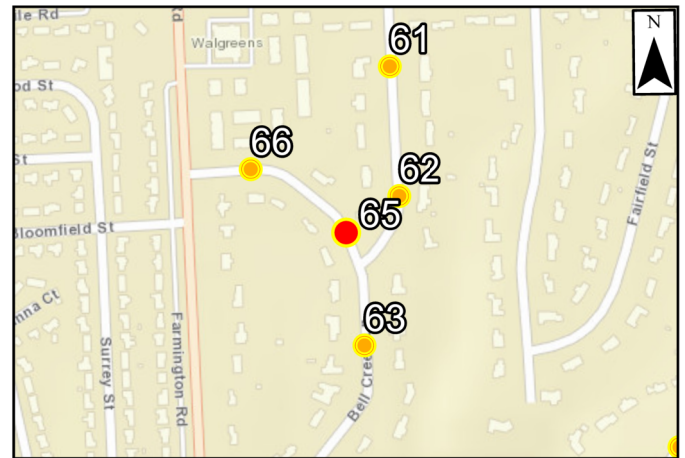
Station: _____

Offset: 5 feet from CL

Lane: WB

Lat / Long: 42.408881 / -83.371702

Location Map



1 inch equals 800 feet (Esri Roads Basemap)

Core Photo



PAVEMENT AND

SUBSURFACE CONDITIONS (all measurements are in inches)

From	To	Layer Thickness	Description	Comment
0	3.5	3.5	Asphalt	
3.5	11.5	8	21AA	

Depth to Groundwater from Ground Surface upon completion: _____

Notes:

Test Hole Log: 66

Project Name: Livonia Paving Cores

Project NO: 0090.20.0060

Location: Livonia, Mi

Client: City of Livonia

Date: 12/8/2020 4:28:00 PM

By: K. Krizanich / R. Miller

Probe/Core: #27

Street: Bloomfield

Address: 16803

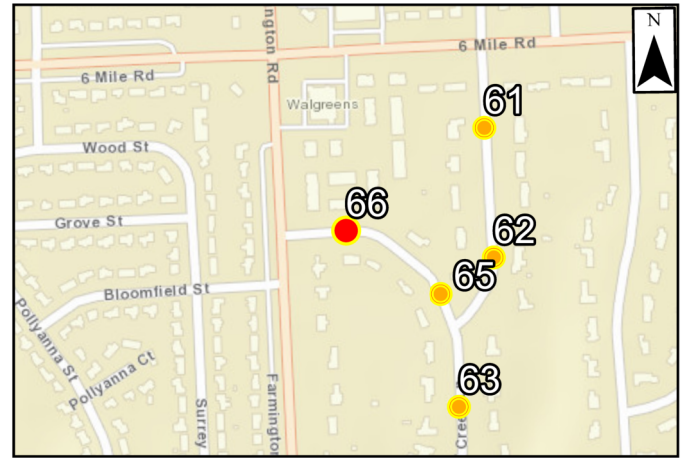
Station: _____

Offset: 4 feet from CL

Lane: WB

Lat / Long: 42.409618 / -83.373161

Location Map



1 inch equals 800 feet (Esri Roads Basemap)

Core Photo



PAVEMENT AND

SUBSURFACE CONDITIONS (all measurements are in inches)

From	To	Layer Thickness	Description	Comment
0	4	4	Asphalt	
4	12	8	21AA	

Depth to Groundwater from Ground Surface upon completion: _____

Notes:

Test Hole Log

PLACE PHOTO BELOW

Project Name: 2024 Asphalt Paving Program

Project NO.: 0090180040

Location: Livonia, Mi

Client: City of Livonia

Date: 12/10/18

By: K. Krizanich

Probe/Core: #29

Street: Laurel Park Drive N

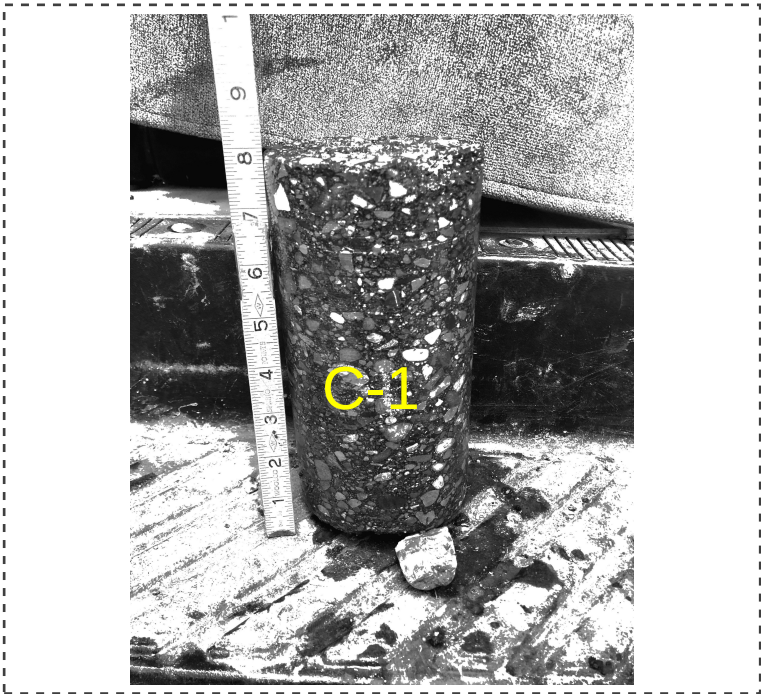
Address: 17111

Station: _____

Offset: 21' W of CL

Lane: SB

Ground EL: _____



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	8	8	HMA	
	EOB			

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Test Hole Log

Project Name: 2024 Asphalt Paving Program

Project NO.: 0090180040

Location: Livonia, Mi

Client: City of Livonia

Date: 12/10/18

By: K. Krizanich

Probe/Core: #30

Street: Laurel Park Drive N

Address: 17123

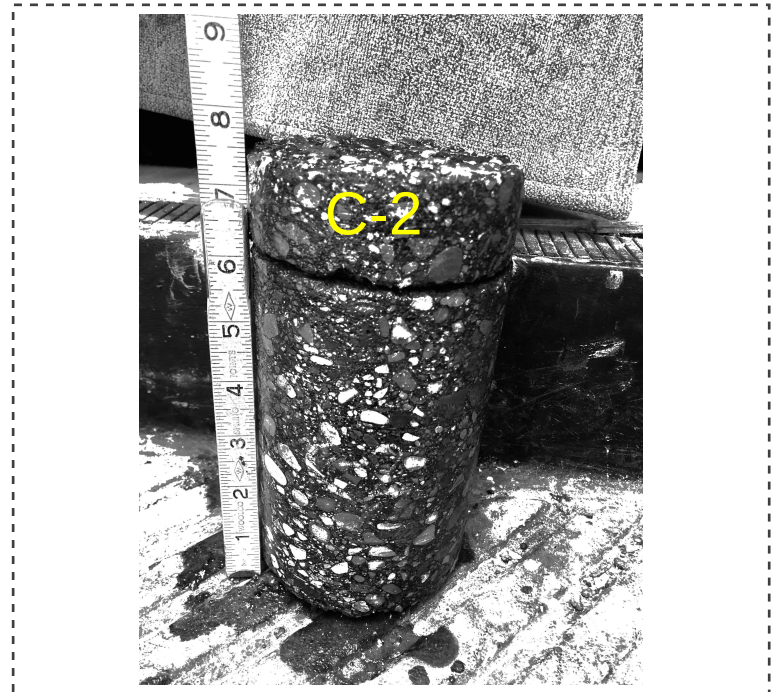
Station: _____

Offset: 12' E of CL

Lane: NB

Ground EL: _____

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	7.5	7.5	HMA	
	EOB			

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Test Hole Log

Project Name: 2024 Asphalt Paving Program

Project NO.: 0090180040

Location: Livonia, Mi

Client: City of Livonia

Date: 12/10/18

By: K. Krizanich

Probe/Core: #31

Street: Laurel Park Drive N

Address: 17199

Station: _____

Offset: 9' W of CL

Lane: SB

Ground EL: _____

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	6.5	6.5	HMA	
	EOB			

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Test Hole Log

PLACE PHOTO BELOW

Project Name: 2024 Asphalt Paving Program

Project NO.: 0090180040

Location: Livonia, Mi

Client: City of Livonia

Date: 12/10/18

By: K. Krizanich

Probe/Core: #32

Street: Laurel Park Drive N

Address: 17199

Station: _____

Offset: 12' W of CL

Lane: SB

Ground EL: _____



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	6.75	6.75	HMA	
	EOB			

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Test Hole Log

Project Name: 2024 Asphalt Paving Program

Project NO.: 0090180040

Location: Livonia, Mi

Client: City of Livonia

Date: 12/10/18

By: K. Krizanich

Probe/Core: #33

Street: Laurel Park Drive N

Address: 37556

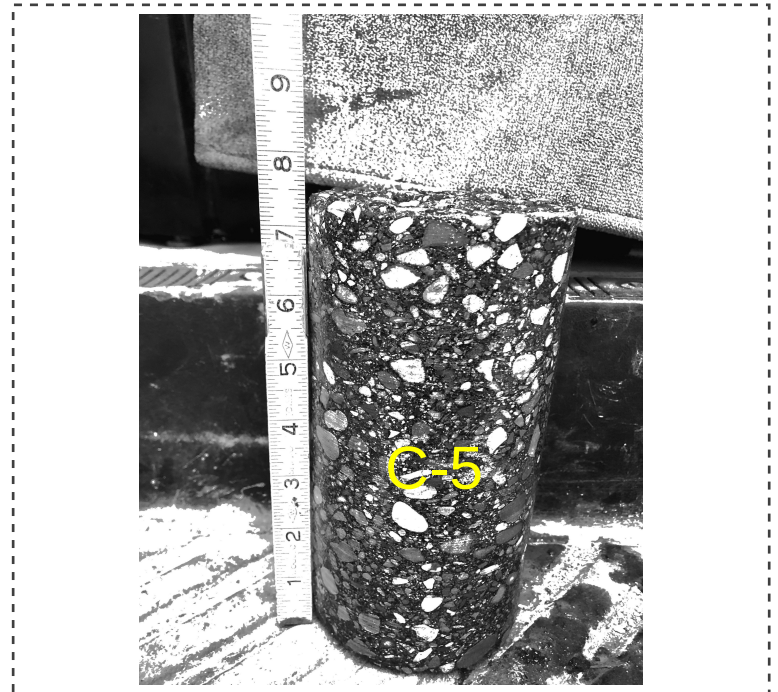
Station: _____

Offset: 22' S of CL

Lane: EB

Ground EL: _____

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	7.5	7.5	HMA	
	EOB			

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Test Hole Log

Project Name: 2024 Asphalt Paving Program

Project NO.: 0090180040

Location: Livonia, Mi

Client: City of Livonia

Date: 12/10/18

By: K. Krizanich

Probe/Core: #34

Street: Laurel Park Drive N

Address: 37480

Station: _____

Offset: 1' N of CL

Lane: WB

Ground EL: _____

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	6	6	HMA	
	EOB			

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Test Hole Log

Project Name: 2024 Livonia Paving Program

Project NO.: 0090-23-0080

Location: Livonia, MI

Client: City of Livonia

Date: 10/10/2023

By: Andrew Perez

Probe/Core: #35

Street: Rayburn Rd

Address: 15920 Whitby

Station: N/A

Offset: 4' S of road edge

Lane: WB

Ground EL: N/A

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	4.25	4.25 in.	HMA	
4.25	13.25	9 in.	21AA	

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

Test Hole Log

Project Name: 2024 Livonia Paving Program

Project NO.: 0090-23-0080

Location: Livonia, MI

Client: City of Livonia

Date: 10/10/2023

By: Andrew Perez

Probe/Core: #36

Street: Rayburn Rd

Address: 15789 Stamford

Station: N/A

Offset: 5' N of road edge

Lane: EB

Ground EL: N/A

PLACE PHOTO BELOW



PAVEMENT AND SUBSURFACE CONDITIONS

LAYER, IN.

From	To	Layer Thickness, In.	Description	Comment
0	4.25	4.25 in.	HMA	
4.25	12.25	8 in.+	21AA	

Depth to Groundwater From Ground
Surface Upon Completion: N/A

Notes:

APPENDIX B
MDOT STANDARD PLANS

APPENDIX “C”

**CITY OF LIVONIA
ORDINANCE #2344**

**CITY OF LIVONIA
TACK COAT**

NO. 2344

AN ORDINANCE AMENDING SECTION 140
OF TITLE 3, CHAPTER 04 (FINANCIAL
PROCEDURES) OF THE LIVONIA CODE OF
ORDINANCES, AS AMENDED, BY ADDING
SUBSECTION E THERETO.

THE CITY OF LIVONIA ORDAINS:

Section 1. Section 140 of Title 3, Chapter 04 of the Livonia Code of Ordinances, as amended, is hereby amended by adding Subsection E thereto, which subsection shall read as follows:

3.04.140 Bids -- Required when -- Procedures -- Council authority.

E. Bids from City-based Firms.

1. In comparing bids, the bid of any city-based firm may be deemed a better bid than the bid of any competing firm which is not city-based, whenever the bid of such competing firm shall be less than three percent (3%) lower than the bid of the city-based firm on any contract bid in an amount of one hundred thousand dollars or less, and less than one percent (1%) lower on any amount bid in excess thereof. The foregoing percentages shall each be deemed to apply to the city-based bid and, as the case may be, to the full and complete amount of the contract bid, e.g., the equalization credit of one percent (1%) would apply to the full contract amount bid, and not merely to the amount in excess of one hundred thousand dollars. The firm making the lowest bid thus evaluated shall be deemed the lowest bidder. No contract hereafter awarded by reason of an equalization percentage credit shall be sublet to any subcontractor which is not a city-based firm. Any bidder who claims entitlement to an equalization percentage credit shall agree to make available to the city the records necessary to establish eligibility.

2. City-based firm shall mean a firm which is located within the city and which has made payment of commercial, office, manufacturing or research and engineering property taxes on real or personal property for at least one calendar year.

Ord 2344 - p 2

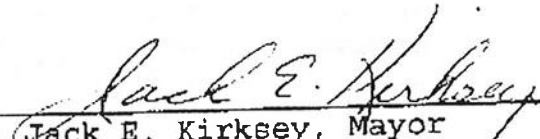
Section 2. All ordinances or parts of ordinances in conflict herewith are hereby repealed ~~only to the extent necessary to give~~ this ordinance full force and effect.

Section 3. Should any portion of this ordinance be held invalid for any reason, such holding shall not be construed as affecting the validity of any of the remaining portions of this ordinance.

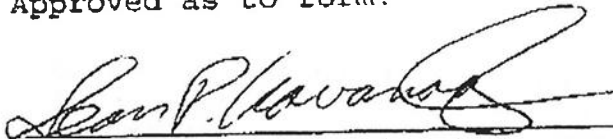
The above ordinance was passed at the regular meeting of the Council of the City of Livonia held Monday, August 12, 1996, at 8:00 p.m.


Joan McCotter, City Clerk

The foregoing ordinance was authenticated by me this 13th day of August, 1996.


Jack E. Kirksey, Mayor

Approved as to form:


Sean P. Kavanagh, City Attorney
Dated: August 13, 1996

UNDERSIGNED CERTIFIES FOREGOING

ORDINANCE WAS INTRODUCED July 22, 1996

PASSED BY LIVONIA CITY COUNCIL ON August 12, 1996

BY VOTE 6:1

AND PUBLISHED IN Livonia Observer

ON August 26, 1996

Joan McCotter
JOAN MCCOTTER, CITY CLERK

DEPARTMENT OF LAW

CITY ATTORNEY
Sean P. Kavanagh

CHIEF ASSISTANT CITY ATTORNEY
Cathryn K. White

ASSISTANT CITY ATTORNEY
Michael E. Fisher

ASSISTANT CITY ATTORNEY
Barbara J. Scherr



Jack Engebretson
MAYOR

33000 CIVIC CENTER DRIVE
LIVONIA, MICHIGAN 48154-3097
(734) 466-2520
FAX: (734) 421-4870

November 21, 2007

TO: HONORABLE MEMBERS OF THE CITY COUNCIL

FROM: DEPARTMENT OF LAW

SUBJECT: How to Require Asphalt Companies to Clean Up Black Tar
Left on City Streets

REF: Council Resolutions 281-07

Dear Council Members:

At your regular meeting on June 18, 2007, you adopted Council Resolution 281-07, referring the referenced question to the Department of Law. Although the purely technical aspects of this problem remain under study by the City Engineer, some legal options are set forth below.

Initially, the issue is complicated by the difficulty of cleaning excess black tar off City streets. The Engineering Department is reviewing the feasibility of preventive measures, instead.

Provisions of the Code of Ordinances – either as they currently exist or as they could be amended – could be of assistance in compelling contractors to clean up tar deposits on City streets. For example, Code of Ordinances Section 8.36.080 prohibits the driving of "any vehicle or truck within the City, the wheels or tires of which carry onto or deposit in any street, alley, or other public place, mud, dirt, sticky substances, litter or foreign matter of any kind." Since the principal source of the excess black tar observed on certain City streets is the tires of construction-related vehicles coming from asphaltting work sites, enforcement of this section could compel the desired clean-up.

The difficulty with this approach is that it requires that one or more persons actually witness the truck carrying the tar onto the road, and entails a potentially lengthy and cumbersome court process. The clean-up would presumably be a condition of probation, or something of the sort.

To: Honorable Members of the Council
Re: How to Require Asphalt Companies to Clean
Up Black Tar Left on City Streets

November 21, 2007
Page 2

Perhaps a more effective way of compelling such a clean-up is to make it part of the permit/deposit process. Code of Ordinances Section 12.04.070 could, for example, require that all permit applications related to asphalt work in public places include a statement by the applicant that he/she/they/it will comply with Section 8.36.080. Sections 12.04.110 and 120 could be interpreted and/or amended to allow the City to use cash deposits made by contractors in connection with such projects to finance the tar clean-up. Section 12.04.160(A)(4) could be cited in revoking the permit of any contractor who tracks tar onto City streets. In the event an asphaltting job is via a City contract, we can mandate tar clean-up as part of the contract with penalty provisions and/or a cash reserve for the City to arrange for hiring a cleaning company if the contractor does not do so.

Assuming the technical feasibility of preventing and/or cleaning up such tar deposits, contractual requirements and/or ordinances offer options for keeping the streets free of excess tar.

We trust the foregoing is sufficient for your purposes.

Approved for submission:

Very truly yours,

Jack Engebretson, Mayor

Sean P. Kavanagh, City Attorney

Michael E. Fisher, Asst. City Attorney

MEF/lks

cc: Mayor, Clerk, Council, Finance, Planning, Police, DPW, Engineering

P:\Council\2007\adm resp\CR 281-07

any public place without first having obtained a permit therefor from the department in the manner hereinafter provided. (Prior code § 5-105)

12.04.060 Permit—Application required—Issuance conditions.

No permit shall be issued by the department unless and until the applicant shall have:

A. Filed an application for the permit upon the form furnished by the department;

B. Paid the permit fee as hereinafter required; and

C. Furnished the insurance and made the cash deposit in those cases where the same are required by the provisions of this chapter. (Prior code § 5-106)

12.04.070 Permit—Contents of application.

Every application for a permit required by the provisions of this chapter shall be signed by the applicant and shall include at least the following information:

A. The full name, address and place of business and telephone number of the person applying for the permit;

B. A full description of the operation to be undertaken; the location in specific terms where the proposed operation will be performed or made, and the estimated length of the time necessary to complete the operation; and

C. Such other information as the department or regulations may require. (Ord. 1600 § 2, 1981; prior code § 5-107)

12.04.080 Permit—Period of validity.

Permits shall be issued and shall be effective for a period sufficient, in the opinion of the department, to allow the permit holder a reasonable time within which to complete performance of the proposed operation. In no case shall a permit be issued for more than one (1) consecutive twelve-month period. (Ord. 1600 § 3, 1981; prior code § 5-108)

12.04.090 Permit—Fee schedule.

No permit required under the terms of this chapter shall be issued unless there is first deposited with the city the following fees:

A. Permit processing fees—in the amount of seven dollars (\$7.00) for each permit. A yearly fee for public utility companies and cable television companies in the amount of two hundred ninety [dollars] (\$290.00);

B. Inspection service fee—in accordance with the following schedule:

1. Sidewalk—Construction, reconstruction or repair—Eight cents (\$0.08) per square foot—Twenty dollars (\$20.00) minimum,

2. Drive approach—Construction, reconstruction or repair—Forty dollars (\$40.00) each,

3. Driveway culvert—Construction, reconstruction or repair—Forty dollars (\$40.00) each,

4. Curb cut—Forty dollars (\$40.00) each,

5. Hydrant use (does not include water charge)—Fourteen dollars (\$14.00) service charge plus four dollars (\$4.00) per day rental charge,

6. Connection (only) to city water main:

3" thru 6"..... \$130.00

8" and larger..... 180.00

7. Connection (only) to city storm sewer:

Smaller than 18"..... \$90.00

18" thru 42"..... 180.00

Larger than 42"..... 260.00

8. Saddle connection (only) to city sanitary sewer..... \$90.00

9. Plot plan and grade certification..... \$75.00

10. Each re-review (for plot plan and grade certification)..... \$75.00

C. Public utility companies and cable television companies in accordance with the following schedule:

1. Yearly fee for purposes of inspection of repairs, maintenance of the existing utility, minor service connections in the amount of four hundred thirty dollars (\$430.00),

HEALTH AND SAFETY

8.36.210

4. All such containers shall be emptied by the owners or operators of such centers or businesses at periodic intervals frequently enough to prevent overfilling or the attraction of insects or animals.

D. Damaging Receptacles. It is unlawful for any person to willfully damage or deface any litter container, as provided in this section. (Ord. 1183 § 1, 1975: prior code § 5-1206)

8.36.070 Throwing litter from vehicles prohibited.

No person, while a driver or passenger in a vehicle, shall throw or deposit litter upon any street or other public place within the city, or upon private property. (Prior code § 5-1207)

8.36.080 Spilling loads or carrying litter from tires onto streets prohibited.

No person shall drive or move any truck or other vehicle within the city unless such vehicle is so constructed or loaded as to prevent any load, contents or litter from being blown or deposited upon any street, alley or other public place, nor shall any person drive or move any vehicle or truck within the city, the wheels or tires of which carry onto or deposit in any street, alley or other public place, mud, dirt, sticky substances, litter or foreign matter of any kind. (Prior code § 5-1208)

8.36.090 Depositing litter in parks prohibited.

No person shall throw or deposit litter in any park within the city except public receptacles and in such a manner that the litter will be prevented from being carried or deposited by the elements upon any part of the park or upon any street or other public place. Where public receptacles are not provided, all such litter shall be carried away from the park by the person responsible for its presence and properly disposed of elsewhere as provided in this chapter. (Prior code § 5-1209)

8.36.100 Throwing litter into lakes and fountains prohibited.

No person shall throw or deposit litter in any fountain, pond, lake, stream, bay or any other body of water in a park or elsewhere within the city. (Prior code § 5-1210)

8.36.160 Dropping litter from aircraft prohibited.

No person in an aircraft shall throw out, drop or deposit within the city any litter, handbill or any other object. (Prior code § 5-1217)

8.36.180 Throwing litter on occupied private property prohibited.

No person shall throw or deposit litter on any occupied private property within the city, whether owned by such person or not, except that the owner or person in control of private property may maintain authorized private receptacles for collection in such a manner that litter will be prevented from being carried or deposited by the elements upon any street, sidewalk or other public place or upon any private property. (Prior code § 5-1219)

8.36.190 Owner to maintain premises free of litter.

The owner or person in control of any private property shall at all times maintain the premises free of litter; provided, however, that this section shall not prohibit the storage of litter in authorized private receptacles for collection. (Prior code § 5-1220)

8.36.200 Litter on vacant lots.

No person shall throw or deposit litter on any open or vacant private property within the city, whether owned by such person or not. (Prior code § 5-1221)

8.36.210 Litter on open private property-- Removal notice authorized when.

The director of public works is authorized and empowered to notify the owner of any open or vacant private property within the city, or the agent of such owner, to properly dispose of litter located on such owner's property which is dangerous to public health, safety or welfare. Such notice shall be by certified mail with return receipt requested, addressed to the owner at his last known address. (Prior code § 5-1222(a))

2. Fee for inspection of new aerial cable on new wood poles, new buried cable (including ducts and manhole construction), new gas mains, or oil lines—recover actual costs of inspection. Notwithstanding any other provisions of this section, whenever the city council shall determine by resolution to pave any street, install public sewer or water facilities or street lighting improvements, the public utility company shall not be required to pay inspection fees connected with the relocation or installation of its facilities. (Ord. 2625, § 1, 2003; Ord. 2005 § 1 (part), 1989; Ord. 1644 § 1, 1982; Ord. 1600 § 4, 1981; prior code § 5-109)

12.04.100 Permit—Cash deposits—Required—Amounts.

A. No permit required under the terms of this chapter shall be issued unless there is first deposited with the city a cash deposit in accordance with the following schedule to ensure protection of existing pavements and utilities and/or restoration of the public place:

1. In those cases where a permit is requested for one (1) or more construction operations within the public place, the department may require the following minimum cash deposits, not to exceed five thousand dollars (\$5,000.00):

Water connection—3" or larger ..	\$300.00
Public utility easement	300.00
Gravel street	500.00
Seal coat or asphalt-capped street	750.00
Full-depth asphalt street	1,500.00
Concrete street	2,000.00

2. In those cases where a permit is requested for completing activities adjoining the public place, the department may require the following minimum cash deposits:

Hydrant use	\$800.00*
(and related tools and equipment)	
Site development	
Residential site	500.00
Commercial site	1,000.00

*Charges for water may be deducted from this cash deposit.

3. In those cases where a permit is requested by a utility company or cable television company to complete construction operations within the public place, the department may accept a yearly letter from a qualified representative of the company giving assurances to the city that the company will make necessary repairs or restorations to the public place caused by the company's operations and further, that the company will reimburse the city for any expenditures incurred by the city in completing such repairs or restorations deemed necessary by the department.

B. All cash deposits shall be nontransferable from site to site and shall be released to the applicant as hereinafter provided. (Ord. 2005 § 1 (part), 1989; Ord. 1644 § 2, 1982; Ord. 1600 § 5, 1981; prior code § 5-110)

12.04.110 Permit—Payment of fees and deposits—Deposit return conditions.

All fees and cash deposits shall be paid to the city treasurer. Each cash deposit shall be retained by the city treasurer until receipt of a written certificate of compliance from the department that complete restoration of the particular public place has been completed in accordance with this ordinance and any regulations adopted hereunder. (Ord. 1600 § 6, 1981; prior code § 5-111)

12.04.120 Permit—Cash deposits—Use by city authorized when.

All cash deposits shall be held by the city treasurer subject to the provisions of this chapter and said regulations. In the event of failure or refusal of a permit holder to fully comply with either this chapter or the said regulations, the department, upon forty-eight (48) hours' notice to the permit holder, shall have the right and authority to cause the particular operation or operations involved to be fully completed, and the particular public place or places fully restored to proper condition, and the department is hereby authorized to use the permit holder's deposit or deposits, or such portion thereof as may be required, for such purpose. (Ord. 1600 § 7, 1981; prior code § 5-112)

STREETS, SIDEWALKS, AND PUBLIC PLACES

12.04.160

cant from any and all claims which may result from the operations to be performed under the permit. The insurance shall be in not less than the amount of one million dollars (\$1,000,000.00), combined single limit for bodily injury and property damage.

B. A duplicate executed copy or photostatic copy of the original of such insurance policy, approved as to form by the city attorney, shall be filed with the department. The evidence of insurance coverage shall be immediately forwarded to the city clerk to be filed. (Ord. 1960 § 1, 1988: Ord. 1600 § 8, 1981: prior code § 5-113)

12.04.140 Permit holder—Personal liability.

Any person to whom a permit is issued shall be liable for all damage both to property and to persons, resulting from accidents which may occur as a result of the operation for which the permit was issued; and such person shall be further liable to the city for any and every loss and damage which the city may sustain, and for all sums it may have to pay to any person as a result of such accident. The issuance of any permit or the depositing of insurance as hereinbefore required shall not be construed as imposing any liability or responsibility of any kind on the city or the several departments of the city. (Prior code § 5-114)

12.04.150 Permit—Waiver of insurance requirements—Conditions.

The department may waive all insurance requirements contained in Section 12.04.130 as to any application for a permit related to the construction of sidewalks, driveway approaches, driveway culverts or curb cuts within the public right-of-way. Further, the department may accept, in lieu of the insurance policy requirements contained in Section 12.04.130, a yearly letter from a qualified representative of a public utility company or cable television company wherein the company agrees to indemnify and save the city harmless from and against all claims of public liability and property damage brought or recovered against the city by reason of any negligent act or omission of such company, its agents or employees in the execution of any work in the

public place for which a permit has been issued. Such letter of indemnification shall be approved as to form by the city attorney and filed with the department and the city clerk. No other waiver shall be given except by resolution of the city council, in which event adequate protection for the city shall be furnished by bond, cash deposit or insurance, or in such other manner as the city council directs. Nothing contained in this section shall prevent the city council, city or department from requiring any additional bonds, deposits or insurance as a prerequisite to the acceptance by the city of any bid, offer or contract, and in such cases the city council shall require such other deposits, bonds and insurance coverage as it may deem necessary to fully protect the city. (Ord. 1644 § 3, 1982: Ord. 1600 § 9, 1981: prior code § 5-115)

12.04.160 Permit—Refusal or revocation conditions—Hearing.

A. Permits requested or issued under the provisions of this chapter may be refused or revoked by the department for any of the following causes:

1. Fraud, misrepresentation or false statement contained in the application for permit;
2. Fraud, misrepresentation or false statement made by a permit holder in the performance of the authorized operation;
3. Incompetency in the performance of the authorized operation;
4. Failure to comply with any of the provisions of the ordinances of the city, including this chapter, or the rules and regulations of the department in performing the operation;
5. For any other good and sufficient cause.

B. Written notice of refusal or revocation, stating the cause therefor, shall be delivered to the applicant or permit holder personally or mailed by certified or registered mail to the address given in his application. Any person whose permit is refused or revoked shall have the right to a hearing before the city council, provided a written request therefor is filed with the city clerk within ten (10) days following the delivery or mailing of the notice of refusal or revocation. The city council

shall have the right to either affirm or overrule any refusal or revocation of a permit. (Ord. 1600 § 10, 1981: prior code § 5-116)

12.04.170 Permit—Application constitutes agreement.

An application for any permit required under the provisions of this chapter shall be deemed and shall constitute an agreement by the applicant to promptly complete the work to be authorized; to observe all pertinent laws and regulations of the city in connection therewith; repair all damage done to the public place and installations on, over or within such street, including trees, signs and other public improvements; and to protect and save harmless the city from all damages or actions at law that may arise or may be brought on account of injury to persons or property resulting from the work done under the permit or in connection therewith. The acceptance of any permit required under the provisions of this chapter shall be deemed and shall constitute an authorization by the permit holder for the city to use in whole or in part the applicant's cash deposit for the purpose of restoring the public place to its former condition or repairing all damage done to the public place in the event the permit holder fails to make such restoration or repairs. (Prior code § 5-117)

12.04.180 No permit required for city employees or public utilities.

Notwithstanding any other provision of the preceding sections of this chapter, any person hired or engaged by the city itself to perform any operation or operations in any public place pursuant to contract or purchase order shall not be required to obtain a permit or make a cash deposit; further, public utility companies shall be required to obtain a permit and pay the fee therefor but shall not be required to make any cash deposit. (Prior code § 5-118)

12.04.190 Street work—Permit required.

It is unlawful for any person to perform any operation in, on or over any street except in accordance with the provisions of this chapter and

the regulations of the department, or without first obtaining a written permit therefor as hereinbefore provided in this chapter. (Prior code § 5-119)

12.04.200 Damage and obstructions prohibited.

It is unlawful for any person to make any excavation in or cause any damage to any street in the city; and it is unlawful for any person to place any article, thing or obstruction in any street except under the conditions and in the manner permitted in this chapter; provided, however, that this section shall not be deemed to prohibit such temporary obstructions as may be incidental to the expeditious movement of articles and things to and from abutting premises, nor to the lawful parking of vehicles within the part of the street reserved for vehicular traffic and travel. (Prior code § 5-120)

12.04.210 Backfilling specifications.

All trenches in a public street or other public place, except by special permission from the department, shall be backfilled with approved granular material to within twelve (12) inches of the surface. On main thoroughfares, this material shall contain one (1) sack of cement per yard of fill. The remaining portions shall be filled with road gravel as specified by the department; any settlement shall be corrected within eight (8) hours after notification to do so. (Ord. 1600 § 11, 1981: prior code § 5-121)

12.04.220 Utility poles.

Utility poles may be placed in such streets as the department shall prescribe, and shall be located thereon in accordance with the directions of the department. Such poles shall be removed or relocated as the department shall from time to time direct. (Ord. 1600 § 12, 1981: prior code § 5-122)

12.04.230 Posts, signs, pipes and other installations in street—Maintenance.

Every owner of, and every person in control of, any estate hereafter maintaining a sidewalk vault, coal hole, manhole or any other excavation, or any post, pole, sign, awning, wire, pipe, conduit, cul-

APPENDIX 'D'

WAYNE COUNTY PERMIT INFO

**CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD FEBRUARY 10, 2025**

Meeting was called to order at 9:05 p.m. by Council President McCullough. Present: Laura Toy, Rob Donovic, Carrie Budzinski, and President McCullough. Absent: Vice President Ptashnik, Lynda Scheel, and Scott Morgan.

Elected and appointed officials present: Carter Fisher, City Attorney; Lori L. Miller, City Clerk; and Todd Zilincik, City Engineer.

Councilmember Toy led the meeting with the Pledge of Allegiance.

10. REQUEST TO AMEND THE CONTRACT WITH OHM ADVISORS FOR CONSTRUCTION ENGINEERING SERVICES FOR THE 2025 ASPHALT ROAD PROGRAM (CONTRACT 25-A): Engineering Division, re: same. (CR 336-21)

Todd Zilincik, City Engineer, presented the item to Council. Mr. Zilincik stated the City has a long-standing relationship with OHM Advisors who have provided construction engineering services in relation to many different projects throughout the City. The request is to make the necessary adjustments to the 2025 Asphalt Road Program (Contract 25-A) as it relates to the services provided by OHM. Mr. Zilincik stated OHM does a phenomenal job for us and they continue to make this program a success for the miles of roads throughout the City.

DIRECTION:

APPROVING

CONSENT



LETTER TO THE LIVONIA CITY COUNCIL

10.

Engineering
January 30, 2025

MEETING DATE

S021025/R022425

PRESENTED BY

Todd Zilincik, P.E., City Engineer

AGENDA ITEM

REQUEST TO AMEND THE CONTRACT WITH OHM ADVISORS FOR CONSTRUCTION ENGINEERING SERVICES FOR THE 2025 ASPHALT ROAD PROGRAM (CONTRACT 25-A): Engineering Division, re: same. (CR 336-21)

BACKGROUND DETAILS

The City Council approved Qualification Based Selection (QBS) firms pursuant to Council Resolution No. 336-21, adopted November 22, 2021 to perform all professional engineering services on various federal, state and locally funded projects through fiscal year 2026. Under this procedure, we are recommending that OHM Advisors (OHM) continue as our consultant for the 2025 Asphalt Road Program. See the attached letter dated January 31, 2025 from OHM Advisors for the construction engineering services.

The estimated construction costs for the asphalt program, which forms the basis for the Engineering contract, is shown on the attached sheet.

In order to proceed with these projects, it is respectfully recommended that the Council take the following actions:

- Authorize the Mayor and the City Clerk to execute an amendment to the Engineering contract with OHM Advisors, 34000 Plymouth Road, Livonia, Michigan 48150 in the amount of \$513,093 for Construction Engineering for the 2025 Asphalt Road Program.
- Authorize an expenditure in the amount of \$513,093 from budgeted funds in the Road, Sidewalk and Tree Fund, Account Number 204-441-818-102.
- Authorize the City Engineer to approve minor adjustments in the work, as required.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

In order to proceed with these projects, it is respectfully recommended that the Council take the following actions:

- Authorize the Mayor and the City Clerk to execute an amendment to the Engineering contract with OHM Advisors, 34000 Plymouth Road, Livonia, Michigan 48150 in the amount of \$513,093 for Construction Engineering for the 2025 Asphalt Road Program.
- Authorize an expenditure in the amount of \$513,093 from budgeted funds in the Road, Sidewalk and Tree Fund, Account Number 204-441-818-102.
- Authorize the City Engineer to approve minor adjustments in the work, as required.

SPECIFIC NAME OF PRODUCT AND NUMBER TO BE PURCHASED (if more than one)

n/a

CONTRACT: Amount and/or purchase price and length of contract (with dates if applicable)

\$513,093

DETAILED WORK BEING PERFORMED

Construction Engineering for the 2025 Asphalt Road Repair Program

FISCAL CONSIDERATIONS (Amount requested and Account(s) used. If applicable, Grant Funding information)

\$513.093 from Account No. 204-441-818-102

ACCEPTANCE OF BID (Please detail the following: Why accepted, why not lowest bidder, company name, contact person, full address)

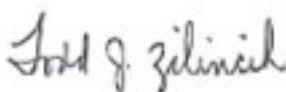
n/a

REASON TO WAIVE BID PROCESS (Emergency, Professional services, No advantage to City and why, Consortium package, etc): Qualification Based Selection (QBS) Firm

ATTACHMENTS

1. 2025 OHM CE Proposal

APPROVED BY



Todd Zilincik, P.E., City Engineer

Date: January 31, 2025



Don Rohraff, Director of Public Works

Date: January 31, 2025



Debra Peck Lichtenberg, CPA, Finance Director

Date: February 03, 2025



Carter Fisher, City Attorney

Date: February 03, 2025



Maureen Miller Brosnan, Mayor

Date: February 05, 2025



January 31, 2025

Todd J. Zilincik, PE
City Engineer
City of Livonia
12973 Farmington Road
Livonia, MI 48150

RE: Construction Engineering Services - 2025 Comprehensive Road Reconstruction and Rehabilitation Program (25-A Asphalt Program)

Dear Mr. Zilincik,

Thank you again for your continued confidence in OHM Advisors supporting the 2025 Comprehensive Road Reconstruction and Rehabilitation Program (Asphalt) to provide construction engineering services. We have been a proud partner with the City in this work, for the past 23 years of the Road Program. Attached is the proposed Exhibit A with associated Project Supplements.

OHM Advisors will again team with Soil and Materials Engineers, Inc. (SME) with added support from G2 Consultants, to provide the material testing during this project.

If you have any questions concerning the Exhibit, please contact me at (734) 466-4441. We look forward to working with the City of Livonia on this program.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark R. Loch". The signature is fluid and cursive, with the first name "Mark" and last name "Loch" clearly distinguishable.

Mark R. Loch, PE
Project Manager

Cc: Rhett Gronevelt, OHM

Attachment: Exhibit A to Agreement

EXHIBIT A
PROJECT SPECIFIC SCOPE OF SERVICES, PROJECT SCHEDULE, PAYMENTS
TO CONSULTANT

The information contained in this Exhibit applies only to the following project:

Project Title: **2025 Comprehensive Road Reconstruction and Rehabilitation Program (Asphalt)**

Dated: _____, 2025

This is an Exhibit to the Contract dated December 1, 2016, and extended on Nov. 22, 2021 between the City of Livonia (CITY), whose address is 33000 Civic Center Drive, Livonia, MI 48154 and OHM Advisors, whose address is 34000 Plymouth Road, Livonia, Michigan, 48150.

This Exhibit acts as a duly executed written instrument that amends, supplements, modifies, or cancels certain portions of the Contract, as provided in Article 8.01 of the Contract.

A. SCOPE OF SERVICES, INCLUDING MATERIAL QUALITY CONTROL PROGRAM

CONSULTANT is requested to provide Construction Engineering Services as stated in accordance with attached Supplement A, dated January 31, 2025.

B. PROJECT SCHEDULE

The Project Schedule is attached as Supplement B, dated January 31, 2025.

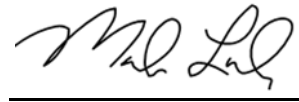
C. PAYMENTS TO CONSULTANTS

CONSULTANT shall be paid on an hourly basis up to the not-to-exceed amount of five hundred thirteen thousand Ninety-three dollars and zero cents (\$513,093.00) for construction engineering services in accordance with the phasing and payment terms on Supplement C, dated January 31, 2025.

In Witness Whereof, the CITY and CONSULTANT, and through their duly authorized officers and representatives, have executed this Contract.

In the Presence of:

In the Presence of:



Approved:

Donald R. Rohraff
Director of Public Works

Approved:

Todd J. Zilincik, P.E.
City Engineer

Approved:

Debra Peck Lichtenberg, CPA
Director of Finance

Approved as to form:

Carter Fisher
Department of Law

CITY OF LIVONIA, a Michigan
Municipal Corporation

By: _____
Maureen Miller Brosnan, Mayor

By: _____
Lori L. Miller, City Clerk

OHM Advisors

By: 
Rhett A. Gronevelt, PE

Its: _____
Principal

Pursuant to Council Resolution

No: _____

Adopted on: _____

SCOPE OF SERVICES

CITY OF LIVONIA

2025 COMPREHENSIVE ROAD RECONSTRUCTION AND REHABILITATION PROGRAM (ASPHALT)

PROJECT UNDERSTANDING

The CONSULTANT will provide construction engineering services for the asphalt portion of the 2025 COMPREHENSIVE ROAD RECONSTRUCTION AND REHABILITATION PROGRAM. The CITY'S intent is to replace the pavement in-kind and minimize construction work behind the curb or beyond the limited edge of pavement restoration.

The streets to be included are:

Rehabilitation Street Locations

Road Name	From	To
St. Martins Ave	Middlebelt Rd	Weyher Ave
Purlingbrook Rd	#19549 Purlingbrook Rd	#19385 Purlingbrook Rd
Purlingbrook Rd	#19385 Purlingbrook Rd	St Martins Ave
Purlingbrook Rd	Seven Mile Rd	#19215 Purlingbrook Rd
Pickford	Foch Ave	Inkster Rd
Rayburn	Sunset St	Henry Ruff Rd
Myrna	Hubbard St	Merriman Rd
Southampton Rd	Roycroft Ave	Oakdale Ave
Camden	Plymouth Rd	Dead End
Haller	Plymouth Rd	Dead End
Cardwell	Wadsworth Ave	Capitol St
Capitol St	Inkster Rd	Dead End
Butwell St	Joy Rd	West Chicago Blvd
Houghton Ave	Joy Rd	West Chicago Blvd
Lamont St	Joy Rd	West Chicago Blvd
Minton Ave	Hix Rd	Stonehouse Ave
Northfield Ave	Hix Rd	Stonehouse Ave
Stonehouse Ave	Joy Rd	West Chicago Blvd
West Chicago Blvd	Houghton Ave	Stonehouse Ave

A. Construction Phase Services

- **Contract Administration Services** shall consist of preparing monthly pay estimates based on quantities provided with field representative's daily reports to meet CITY deadlines for payment purposes. Work shall also include assisting CITY staff (i.e. Project Manager) in the resolution of claims, contract interpretations and review of project schedules and deadlines. CONSULTANT will provide project closeout documentation consisting of final pay estimate preparation, closeout documentation from the contractor and a balancing Change Order identifying adjustments to the construction

contract. In addition, the CONSULTANT will make field visits to project sites to observe the work in progress and assist in the review of the contractor's work to be in general compliance with the contract.

- **Stakeout Services** during the construction phase shall consist of the required staking for line and elevation of specific contract items such as pavement replacement for long areas (over 200 feet) or total reconstruction, and curb and gutter replacement when over 200 feet in length or the entire pavement section on reconstruction projects. The existing pavement will be surveyed prior to removal to identify high points and low points in relationship to storm drainage. Staking will be provided at 50-foot intervals that will include top of curb or edge of pavement grades only. Offset stakes will be provided as coordinated with the contractor. Staking will also be provided for new structure(s), culverts and proposed utilities.
- **Construction Observation Services** shall consist of full time observation of the work progress by the contractor(s) on days when work is performed. Daily Field Reports (DFRs) will be prepared documenting pay item quantities and the general work progress for the day. Checking line and elevation for compliance with the survey stakes will also be provided as part of the CONSULTANT'S regular responsibilities. The CONSULTANT will answer residents' questions and attempt to promptly resolve complaints during the course of construction. The CONSULTANT will also interact with the contractor's supervisory staff to notify them when work is unacceptable and in need of correction, or removal and replacement of specific work elements when necessary.

OHM will assist the City with the implementation of their SESC policy as follows; OHM will notify the contractor to install the structure inlet protection prior to the beginning of construction within each work zone, and inform the contractor when the measures are no longer needed once acceptable vegetation has been established. Also, OHM will forward all concerns to the contractor that are made by the City, as well as make the contractor aware of observed inlet protection that is not effective and requires maintenance.

- **Construction Engineering Services** shall consist of a senior construction engineer/technician who will supervise the construction and direct the CONSULTANT'S field staff to provide:
 - a. appropriate project documentation
 - b. shop drawing review, resolution of construction issues/problems that may arise
 - c. provide recommendations to the CITY as it relates to claims from the contractor(s) including:
 - i. preparation of change orders, as required
 - ii. responsive complaint resolution
 - iii. reviewing of project progress for compliance with approved schedule
 - iv. providing recommendations to the CITY'S Project Manager for penalties and/or changes in the time of completion of projects.

CONSULTANT shall coordinate with SME and the CITY'S Project Manager. The CONSULTANT shall lead the preconstruction conference and bi-weekly progress meetings.

- **Materials Testing** by CONSULTANT'S sub-consultant, SME, shall provide the following:
 - a. Attend one (1) pre-construction meeting and perform review of mix designs
 - b. Attend three (3) construction progress meetings
 - c. Twelve (12) half-day site visits to perform field density testing on the pulverized base material
 - d. Thirty (30) full day site visits during HMA paving
 - e. Thirty (30) visits to the bituminous supplier's plant for sampling during paving
 - f. Twenty (20) half-day site visits for concrete testing during curb/gutter placements
 - g. Forty (40) bituminous one-point mix verifications
 - h. One hundred (100) concrete cylinders compressive strength tests

In addition to SME's Services, G2 Consultant has been added to the OHM Team to provide spot checking at the plant to provide a third party testing. It is anticipated the G2 will be involved in spot checking the 13A mixes and the EML mixes.

- The CONSULTANT will coordinate with the CITY to develop draft letters to the residents at the start of construction and, when needed, send out letters to residents when there are changes in construction sequences or schedule. There are twenty (20) street segments in this year's program. All streets will receive hand delivered letters for information on construction activities. A second letter may be required for notification of paving dates. If requested, the CONSULTANT will participate in one additional CITY resident communication initiative per street.
- **Resolution Services** is included as a part of observation and construction engineering. This may include:
 - a. Notifying the CITY of contractor violations as it relates to the City of Livonia Ordinance for construction traffic on roads within the City (i.e., dust control and latent bituminous material).
 - b. Notifying the CITY of concerns raised by residents and businesses during the construction phase of the project.
- 8. Attend an informational meeting with residents to explain the proposed construction program and its impacts to the residents/businesses. Attendance shall be by the CONSULTANT project manager and construction engineer.

D. City's Responsibilities

1. Coordination with police and fire departments and Livonia Public Schools.
2. Pay any required permit review fees or reimburse CONSULTANT for permit fees paid to expedite review and approval.
3. Host a public information meeting with residents, businesses and institutions as needed.
4. Attend bi-weekly Progress Meetings.

PROJECT SCHEDULE

CITY OF LIVONIA

**2025 COMPREHENSIVE ROAD RECONSTRUCTION AND REHABILITATION
PROGRAM (ASPHALT)**

PROJECT SCHEDULE

The CONSULTANT will provide construction engineering services for duration of the construction project as outlined under Progress Clause in the project Proposal, which states the project shall start approximately on May 1, 2025 and is to be completed by October 10, 2025. Should the project extend beyond the completion date, a contract Amendment may be required to complete the work.



Supplement C – Payments to the Consultant

PAYMENTS TO CONSULTANT

CITY OF LIVONIA

2025 COMPREHENSIVE ROAD RECONSTRUCTION AND REHABILITATION PROGRAM

The following fees are based on the construction cost of \$\$4,275,775.10 utilizing the CITY's fee matrix.

Construction Phase

The CITY agrees to pay the CONSULTANT for construction services on an hourly basis, billed monthly, per the 2025 Rate Schedule (attached Supplement C-1) at the not-to-exceed amount of five hundred thirteen thousand Ninety-three dollars and zero cents (\$513,093.00).

Additional Services

Additional services, if approved by City Council, shall be paid at the current hourly rate schedule or at an agreed upon price between the CITY and CONSULTANT.

PAYMENTS TO THE CONSULTANT

CITY OF LIVONIA

2025 COMPREHENSIVE ROAD RECONSTRUCTION AND REHABILITATION PROGRAM (ASPHALT)

2025 RATE SCHEDULE

Classification	Level				
	I	II	III	IV	V
Professional Engineer	\$160	\$172	\$186	\$205	\$215
Graduate Engineer	\$140	\$150	\$154	\$162	\$175
Architect/Interior Designer	\$110	\$138	\$165	\$193	\$220
Landscape Architect	\$125	\$130	\$150	\$ 165	\$180
Planner	\$115	\$135	\$160	\$175	\$185
Project Coordinator/Urban Designer	\$85	\$120	\$130	\$155	\$175
Design Technician	\$110	\$128	\$145	\$163	\$180
Technician	\$105	\$123	\$140	\$156	\$165
Project Specialist	\$135	\$165	\$195	\$220	\$235
Professional Surveyor	\$150	\$166	\$180	\$195	\$210
Surveyor	\$110	\$126	\$138	\$153	\$168

Classification	I	II	III
Administrative Support	\$80	\$105	\$130
Technical Aide	\$80	\$85	\$90
Subject Matter Expert	\$235	\$285	\$360

Principal	\$237
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**CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD FEBRUARY 10, 2025**

Meeting was called to order at 9:05 p.m. by Council President McCullough. Present: Laura Toy, Rob Donovic, Carrie Budzinski, and President McCullough. Absent: Vice President Ptashnik, Lynda Scheel, and Scott Morgan.

Elected and appointed officials present: Carter Fisher, City Attorney; Lori L. Miller, City Clerk; and Todd Zilincik, City Engineer.

Councilmember Toy led the meeting with the Pledge of Allegiance.

11. REQUEST TO WAIVE THE FORMAL BIDDING PROCESS AND APPROVE THE 2025 CONCRETE ROAD PROGRAM BY EXTENDING THE CONTRACT 24-C UNIT PRICES WITH HARD ROCK CONCRETE, INC.: Engineering Division, re: for Contract 25-C in the amount of \$4,538,170.86, from budgeted funds. (CR 120-23 and CR 72-24)

Todd Zilincik, City Engineer, presented the item to Council. Mr. Zilincik explained the multiple road sections that are a top priority for 2025. Mr. Zilincik indicated the previous vendor, Hard Rock Concrete, has offered to extend their pricing from the 2024 contract as it relates to the City's 2025 Concrete Road Program. He stated this vendor goes above and beyond, their employees take great pride in their work and do a great job for the community. Mr. Zilincik indicated there would be no benefit to putting this matter out to bid and stated Hard Rock is a valued partner in our community who has done excellent work for the City.

Councilmember Donovic agreed with the comments made by Mr. Zilincik and stated Mr. Grimaldi was present at the meeting and he is the owner of Hard Rock Concrete. Councilmember Donovic stated Livonia is fortunate to have a core group of vendors who consistently perform at the highest level and Hard Rock and Mr. Grimaldi is one of those people.

DIRECTION:

APPROVING

CONSENT



LETTER TO THE LIVONIA CITY COUNCIL

11.

Engineering
January 29, 2025

MEETING DATE

S021025/R022425

PRESENTED BY

Todd Zilincik, P.E., City Engineer

AGENDA ITEM

REQUEST TO WAIVE THE FORMAL BIDDING PROCESS AND APPROVE THE 2025 CONCRETE ROAD PROGRAM BY EXTENDING THE CONTRACT 24-C UNIT PRICES WITH HARD ROCK CONCRETE, INC.: Engineering Division, re: for Contract 25-C in the amount of \$4,538,170.86, from budgeted funds. (CR 120-23 and CR 72-24)

BACKGROUND DETAILS

Based upon the recommendation for scheduled maintenance in the Pavement Management Study, the Department of Public Works established a Concrete Road Program for 2025.

Previously in 2023, Anderson, Eckstein and Westrick, Inc. (AEW) provided plans and specifications for Contract 23-C. The bids for the subject project were taken on March 7, 2023, with six (6) bids being submitted. Hard Rock Concrete, Inc. was the lowest responsive qualified bidder and awarded the contract (CR #120-23) and extended unit prices for 24-C (CR #72-24). Hard Rock Concrete, Inc. has agreed to the unit price extension for 2025 Concrete Road Repair Program, Contract 25-C and has submitted the attached bid that included revised unit prices for Item 3 – Mobilization, Item 8 – Tree removal (6 inch to 18 inch), Item 9 – Tree removal (19 inch to 36 inch) and Item 10 – Tree removal (37 inch and larger) due to the increased number and size of the trees needing to be removed and the agreed upon 250 inspector days based on AEW's recommendation, said amount to be adjusted based upon the quantities of work actually completed. The inspector days will be included as part of the construction engineering (CE) cost.

A total of \$9.5 million dollars were budgeted for 2025 Street Repair Program, including both concrete and asphalt repairs. AEW provided quantities based on the \$4.5 million budget for the Concrete Repair Program, Contract 25-C.

We have 18 concrete road segments inclusive of reconstruction and maintenance anticipated to be repaired for 2025 based on recommendation from the Citizen's Road Advisory Committee meeting held on October 3, 2024. In addition, 100 trees are anticipated to be removed in order to complete this road work, of these, the streets most impacted will be Parklane Drive from Mallory Drive to Golfview Drive (17 trees), Alexander Avenue from Buckingham Ave. to Meadowlark Avenue (15 trees) and Dover Avenue from Sunbury Avenue to Harrison Avenue (11 trees).

AEW has checked the references of Hard Rock Concrete, Inc. and is familiar with their prior work. Hard Rock Concrete, Inc. was the contractor for our 2011, 2013 thru 2024 Concrete Pavement Rehabilitation and Reconstruction Programs. AEW is recommending the extension based on 2023

Contract Prices to this contractor (see attached letter dated January 29, 2025).

The Engineering Department will update the City Website (anticipated to be in late March) with the final revised 2025 Road Repair Program Map once both the concrete and the asphalt road programs have been awarded. The information for road segment repairs will be published in the Connections - Spring /Summer 2025.

In order to proceed with this project, we recommend that the Council take the following actions:

- Waive the formal bidding process under Section 3.04.140.E.3 of the Livonia Code of Ordinances, as amended, since no advantage to the City would result from competitive bidding.
- Extend the Contract 24-C unit prices for the 2025 Concrete Road Repair Program, Contract 25-C and award a contract in the amount of \$4,538,170.86 to the Hard Rock Concrete, Inc., 38146 Abruzzi Drive, Westland, Michigan 48185. The award should be on the basis of the bid unit prices from 2024, Contract 24-C with the exception of revised unit prices for bid Item number 3 – Mobilization, item 8 – Tree removal (6 inch to 18 inch), Item 9 – Tree removal (19 inch to 36 inch) and Item 10 – Tree removal (37 inch and larger) and the agreed upon 250 inspector days, based on AEW's recommendation, said amount to be adjusted based upon the quantities of work actually completed.
- Authorize an expenditure in the amount of \$4,538,170.86 for the 2025 Concrete Road Repair Program, Contract 25-C from budgeted road funds in the following accounts:

Account Number 204-463-818-110 (Reconstruction) \$4,513,170.86
Account Number 204-463-818-114 (Maintenance) \$25,000.00
- Authorize the City Engineer to approve minor adjustments in the work, as required.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

In order to proceed with this project, we recommend that the Council take the following actions:

- Waive the formal bidding process under Section 3.04.140.E.3 of the Livonia Code of Ordinances, as amended, since no advantage to the City would result from competitive bidding.
- Extend the Contract 24-C unit prices for the 2025 Concrete Road Repair Program, Contract 25-C and award a contract in the amount of \$4,538,170.86 to the Hard Rock Concrete, Inc., 38146 Abruzzi Drive, Westland, Michigan 48185. The award should be on the basis of the bid unit prices from 2024, Contract 24-C with the exception of revised unit prices for bid Item number 3 – Mobilization, item 8 – Tree removal (6 inch to 18 inch), Item 9 – Tree removal (19 inch to 36 inch) and Item 10 – Tree removal (37 inch and larger) and the agreed upon 250 inspector days, based on AEW's recommendation, said amount to be adjusted based upon the quantities of work actually completed.

- Authorize an expenditure in the amount of \$4,538,170.86 for the 2025 Concrete Road Repair Program, Contract 25-C from budgeted road funds in the following accounts:

Account Number 204-463-818-110 (Reconstruction) \$4,513,170.86

Account Number 204-463-818-114 (Maintenance) \$25,000.00

- Authorize the City Engineer to approve minor adjustments in the work, as required.

SPECIFIC NAME OF PRODUCT AND NUMBER TO BE PURCHASED (if more than one)

n/a

CONTRACT: Amount and/or purchase price and length of contract (with dates if applicable)

\$4,538,170.86

DETAILED WORK BEING PERFORMED

2025 Concrete Road Program

FISCAL CONSIDERATIONS (Amount requested and Account(s) used. If applicable, Grant Funding information)

\$4,513,170.86 from Account No. 204-463-818-110 (Reconstruction)

\$25,000 from Account No. 204-463-818-114 (Maintenance)

ACCEPTANCE OF BID (Please detail the following: Why accepted, why not lowest bidder, company name, contact person, full address)

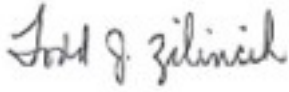
n/a

REASON TO WAIVE BID PROCESS (Emergency, Professional services, No advantage to City and why, Consortium package, etc): Waive the formal bidding process under Section 3.04.140.E.3 of the Livonia Code of Ordinances, as amended, since no advantage to the City would result from competitive bidding.

ATTACHMENTS

1. AEW Recommendation Letter for 25-C to Hard Rock
2. BID FORM - 2025 CONCRETE ROAD CONTRACT 25-C CITY OF LIVONIA
3. CR 120-23
4. CR# 072-24 S.L 24-C Hard Rock

APPROVED BY



Todd Zilincik, P.E., City Engineer

Date: January 29, 2025



Don Rohraff, Director of Public Works

Date: January 29, 2025



Debra Peck Lichtenberg, CPA, Finance Director

Date: January 31, 2025



Carter Fisher, City Attorney

Date: January 31, 2025



Maureen Miller Brosnan, Mayor

Date: January 31, 2025



ANDERSON, ECKSTEIN & WESTRICK, INC.

CIVIL ENGINEERS - SURVEYORS - ARCHITECTS

Shelby Township - Roseville - Livonia
586.726.1234 | www.aewinc.com

January 29, 2025

Todd Zilincik, P.E., City Engineer
City of Livonia
12973 Farmington Road
Livonia, Michigan 48150

Reference: Extension of 2024 Concrete Road Program (24-C)

2025 Concrete Road Program (25-C)

AEW Project No. 0263-0040

Dear Mr. Zilincik:

We understand Hard Rock Concrete has requested to extend their 2024 contract unit prices for the proposed 2025 Concrete Road Program.

Our office has bid similar programs and Hard Rock Concrete's prices are below prices for similar projects in nearby communities. Additionally, the second lowest bid received was 13% higher than Hard Rock Concrete's prices.

We have worked with Hard Rock Concrete for several years in Livonia as well as many neighboring communities and are satisfied with their past performance. We do not believe any benefit will accrue to the City by seeking further competitive bids. Therefore, we recommend the city award a contract extension for the 2025 Concrete Road Program (25-C) to Hard Rock Concrete.

If you have any questions or need additional information, please advise.

Sincerely,

Anderson, Eckstein and Westrick, Inc.

Scott Lockwood, PE

cc: Don Rohraff, Director of Public Services

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BID FORM

2025 CONCRETE ROAD REPAIR PROGRAM

CONTRACT 25-C

RECONSTRUCTION

CITY OF LIVONIA

AEW PROJECT NO. 0263-0040

BID SUBMITTED BY: Hard Rock Concrete

Company Name

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ARTICLE 1 – BID RECIPIENT

- 1.01 This Bid is submitted to:

Qty Clerk
Qty of Livonia
33000 Civic Center Drive
Livonia, Michigan 48154

- 1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER'S ACKNOWLEDGEMENTS

- 2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 120 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER'S REPRESENTATIONS

- 3.01 In submitting this Bid, Bidder represents that:

- A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

<u>Addendum No.</u>	<u>Addendum, Date</u>
_____	_____
_____	_____
_____	_____
_____	_____

- B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
- D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site, if any, and all drawings of physical conditions relating to existing surface or subsurface structures at the Site, if any, that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.

- E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.
- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.
- K. Bidder is aware that the Owner's decision to proceed with the Project is subject to Owner's determination that all legal, financial and grant approvals, conditions and requirements have been received or met and the funding necessary to complete the project is in hand, and that if all of the foregoing has not been received, the Owner may elect not to proceed with the project in which case no bidder shall have a claim of any kind in contract, tort, equity or otherwise, against the Owner.
- L. Bidders acknowledge that Owner retains the unrestricted right not to proceed with the project and to reject all Bids received. In either case, Owner shall not be liable to any Bidder under any theory including contract, tort, equity or otherwise.
- M. Bidder acknowledges that the unexpected presence and location of existing underground utilities and resulting conflicts with such utilities are ordinarily encountered and generally recognized as inherent in subsurface sewer and appurtenant work in areas that have been previously developed.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;

- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
 - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 - 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
 - 4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

- 5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

2025 CONCRETE ROAD REPAIR PROGRAM
CONTRACT 25-C
RECONSTRUCTION
CITY OF LIVONIA
AEW PROJECT NO. 0263-0040

<u>Item No.</u>	<u>Description</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Bid Unit Price</u>	<u>Bid Price</u>
GENERAL					
1.	_ Audio Visual Record of Construction Area	1	LS	\$ 3,900.00	\$ 3,900.00
2.	_ Reimbursed Permit Fees	1,500	Dir	1.00	1,500.00
3.	Mobilization, Max	1	LS	240,000.00	240,000.00
4.	_ Stump and Root Rem and Regrade, 6 to 18 inch	16	Ea	850.00	13,600.00
5.	_ Stump and Root Rem and Regrade, 19 to 36 inch	65	Ea	1,000.00	65,000.00
6.	_ Stump and Root Rem and Regrade, 37 inch or larger	19	Ea	1,500.00	28,500.00
7.	_ Tree Root, Grind	20	Ea	300.00	6,000.00
8.	_ Tree, Rem, 6 inch to 18 inch, Modified	16	Ea	400.00	6,400.00
9.	_ Tree, Rem, 19 inch to 36 inch, Modified	65	Ea	1,600.00	104,000.00
10.	_ Tree, Rem, 37 inch or Larger, Modified	19	Ea	3,200.00	60,800.00
11.	Sewer, Rem, Less than 24 inch	25	Ft	12.50	312.50
12.	_ Geogrid	500	Syd	4.25	2,125.00
13.	Sewer, Q IV, 12 inch, Tr Det B	25	Ft	110.00	2,750.00
14.	Dr Structure, 24 inch dia	1	Ea	3,500.00	3,500.00
15.	Dr Structure, 48 inch dia	1	Ea	4,250.00	4,250.00
16.	HMA, 13A	25	Ton	310.00	7,750.00
17.	Non-Chloride Accelerator	5	Gal	12.00	60.00
18.	Post, Mailbox	20	Ea	150.00	3,000.00
18A.	_ Brick Mailbox, Rem	6	Ea	700.00	4,200.00
18B.	_ Gang of Mailboxes	4	Ea	700.00	2,800.00
19.	_ Surface Restoration, Hydroseeding	250	Syd	10.50	2,625.00
20.	_ Surface Restoration, Sodding	250	Syd	10.00	2,500.00

EJCDC®C-410, Bid Form for Construction Contracts

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2025 CONCRETE ROAD REPAIR PROGRAM
CONTRACT 25-C
RECONSTRUCTION
CITY OF LIVONIA
ABW PROJECT NO. 0263-0040

<u>Item No.</u>	<u>Description</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Bid Unit Price</u>	<u>Bid Price</u>
21.	Monument Preservation	1	Ea	850.00	850.00
RECONSTRUCTION					
22.	Pavt, Rem	41,070	Syd	7.75	318,292.50
23.	Sidewalk, Rem	853	Syd	7.50	6,397.50
24.	_ Driveway, Rem	4,628	Syd	7.50	34,710.00
25.	_ Station Grading	119	Sa	950.00	113,050.00
26.	_ Subgrade Undercutting, Type II, Modified	1,617	Oyd	38.00	61,446.00
27.	_ Subgrade Undercutting, Type II, Special	811	Oyd	40.00	32,440.00
28.	_ Erosion Control, Inlet Protection, Siltsock	61	Ea	125.00	7,625.00
29.	_ Aggregate Base, 6 inch, Modified	200	Syd	15.00	3,000.00
30.	_ Aggregate Base, 8 inch, Modified	45,840	Syd	12.50	573,000.00
31.	_ Maintenance Gravel, Modified	1,012	Ton	20.00	20,240.00
32.	Dr Structure Cover, Adj, Case 2	65	Ea	450.00	29,250.00
33.	Dr Structure, Adj, Add Depth	50	Rt	250.00	12,500.00
34.	Dr Structure, Tap, 6 inch	116	Ea	300.00	34,800.00
35.	_ Dr Structure Cover, Catch Basin	60	Ea	450.00	27,000.00
36.	_ Dr Structure Cover, Sanitary Manhole	19	Ea	475.00	9,025.00
37.	_ Dr Structure Cover, Storm Manhole	19	Ea	475.00	9,025.00
38.	_ External Structure Wrap, 18 inch	20	Ea	650.00	13,000.00
39.	_ Underdrain, Subgrade, 6 inch, Modified	23,060	Rt	14.75	340,135.00
40.	HMA Surface, Rem	820	Syd	9.00	7,380.00
41.	Conc Pavt with Integral Curb, Nonreinf, 7 inch	41,070	Syd	45.50	1,868,685.00
41A.	Conc Pavt with Integral Curb, Nonreinf, 8 inch	50	Syd	55.50	2,775.00

2025 CONCRETE ROAD REPAIR PROGRAM
CONTRACT 25-C
RECONSTRUCTION
CITY OF LIVONIA
AEW PROJECT NO. 0263-0040

<u>Item No.</u>	<u>Description</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Bid Unit Price</u>	<u>Bid Price</u>
42.	Conc Pavt with Integral Curb, Nonreinf, 9 inch	50	Syd	55.50	2,775.00
43.	Joint, Contraction, Cp	15	Ft	17.50	262.50
44.	Joint, Expansion, E2	1,229	Ft	20.00	24,580.00
45.	Joint, Expansion, E3	420	Ft	20.00	8,400.00
46.	Pavt Gapping	50	Ft	15.00	750.00
47.	Joint, Expansion, Erg, Modified	169	Ft	20.00	3,380.00
48.	Joint, Contraction, Org	15	Ft	20.00	300.00
49.	Lane Tie, Epoxy Anchored	418	Ea	5.50	2,299.00
50.	Pavt Repr, Nonreinf Conc, 7 inch	250	Syd	45.00	11,250.00
51.	Pavt Repr, Nonreinf Conc, 9 inch	50	Syd	55.00	2,750.00
52.	Pavt Repr, Rem	300	Syd	7.75	2,325.00
53.	Driveway, Nonreinf Conc, 6 inch	4,886	Syd	45.50	222,313.00
54.	Driveway, Nonreinf Conc, 8 inch	25	Syd	54.00	1,350.00
55.	Curb Ramp, Conc, 4 inch	3,539	Sft	6.75	23,888.25
56.	Curb Ramp, Conc, 6 inch	2,593	Sft	7.75	20,095.75
57.	Detectable Warning Surface, Modified	248	Ft	44.00	10,912.00
58.	Sgn, Type B, Temp, Prismatic, Furn	18	Sft	6.75	121.50
59.	Sgn, Type B, Temp, Prismatic, Oper	18	Sft	0.01	0.18
60.	Sgn, Type B, Temp, Prismatic, Special, Fun, Modified	18	Sft	10.00	180.00
61.	Sgn, Type B, Temp, Prismatic, Special, Oper, Modified	18	Sft	0.01	0.18
62.	Traffic Control, Minor Street	18	Ea	1,500.00	27,000.00
63.	Water, Sodding/Seeding	109	Unit	85.00	9,265.00
64.	Surface Restoration, Seeding	7,935	Syd	8.00	63,480.00
65.	Irrigation Pipe	1,191	Ft	7.00	8,337.00

2025 CONCRETE ROAD REPAIR PROGRAM
CONTRACT 25-C
RECONSTRUCTION
CITY OF LIVONIA
AEW PROJECT NO. 0263-0040

<u>Item No.</u>	<u>Description</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Bid Unit Price</u>	<u>Bid Price</u>
66.	_ Sprinkler Head	81	Ea	18.00	1,458.00
67.	_ Sprinkler Head, Adj	40	Ea	12.50	500.00
				TOTAL OF ALL BID PRICES	\$ <u>4,538,170.86</u>

Crew Days (250 Days Min.)	250	Days	\$	750.00	\$	187,500.00
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TOTAL OF ALL BID PRICES, INCLUDING CREW DAYS \$ 4,725,670.86

Bidder acknowledges that (1) each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and (2) estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete on or before October 30, 2025 and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General conditions on or before November 14, 2025
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
- A. None

ARTICLE 8 – DEFINED TERMS

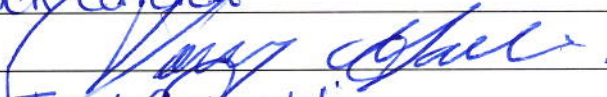
- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

BIDDER *[Indicate correct name of bidding entity]*

Hard Rock Concrete

By: *[Signature]*



[Printed name]

Tony Grimaldi

(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)

Title:

President

Attest: *[Signature]*



[Printed name]

Gina Sullivan

Submittal Date:

1-28-25

Address for giving notices:

38146 Abruzzi Dr
Westland, MI 48185

Telephone Number:

734-641-3333

Fax Number:

734-641-7270

Contact Name and e-mail address:

Tony Grimaldi

Office @hardrockconcrete mi.com

Bidder's License No.:

2102100846

(where applicable)

from Anderson, Eckstein & Westrick, Inc. (AEW) relative to the increase in construction costs for the 2022 Concrete Road Repair Program (Contract 22-C), pursuant to Council Resolution 89-22, adopted on March 14, 2022 and Council Resolution 076-23, adopted on February 27, 2023, the Council does hereby authorize an expenditure in an amount not to exceed \$176,040.00 payable to Anderson, Eckstein and Westrick, Inc., 51301 Schoenherr Road, Shelby Township, Michigan 48315 from funds budgeted in Account No. 204-447-818-102 (engineering consultant) for the total cost of construction engineering services relative to the construction cost increase of \$1,467,000.00, per exhibit A as part of the QBS contract, pursuant to Council Resolution No. 336-21, adopted on November 22, 2021, increasing the final total contract amount from \$600,000.00 to \$776,040.00.

#120-23 RESOLVED, that having considered the report and recommendation of the City Engineer, dated March 9, 2023, which bears the signatures of the Director of Public Works, the Director of Finance and the City Attorney, and is approved for submission by the Mayor, the Council does hereby accept the unit price bid of Hard Rock Concrete, Inc., 38146 Abruzzi Drive, Westland, Michigan 48185 for performing all work required in connection with the 2023 Concrete Road Paving Program (Contract 23-C) and agreed upon inspector days of 200 based on the engineering division's estimate of units of work involved and subject to the final payment based on the actual units of work completed in accordance with the unit prices accepted herein, for the estimated total cost of \$2,914,454.27, said estimated cost and unit prices having been in fact the lowest bid received which meets all specifications; FURTHER, the Council does hereby authorize an expenditure in the amount of \$2,783,000.00 from funds budgeted in Roads Account No. 204-463-818-110 (Reconstruction) and an additional appropriation and expenditure in the amount of \$131,454.27 from the unexpended fund balance of the Road, Sidewalk and Tree Fund (204) for this purpose; FURTHER, the City Engineer is hereby authorized to approve minor adjustments in the work as it becomes necessary but this authorization does not entitle the City Engineer to authorize any increase in the not to exceed amount or to contract with other parties; and the Mayor and City Clerk are hereby authorized to execute a contract, approved as to form and substance by the Department of Law, for and on behalf of the City of Livonia with the aforesaid bidder and to do all other things necessary or incidental to the full performance of this resolution.

#121-23 RESOLVED, that having considered the report and recommendation of the City Engineer, dated March 9, 2023, submitted pursuant to Council Resolution 336-21, adopted on November 22, 2021, which bears the signatures of the Director of Public Works, the Director of Finance and the City Attorney, and is approved for submission by the Mayor, to which is attached a proposed amendment to the Engineering

LORI L. MILLER
CITY CLERK

DORIS E. DeMARCO
DEPUTY CITY CLERK

OFFICE OF THE CITY CLERK



33000 CIVIC CENTER DRIVE
LIVONIA, MICHIGAN 48154-3097
(734) 466-2230
FAX: (734) 421-1147

March 12, 2024

Hard Rock Concrete, Inc.
38146 Abruzzi Drive
Westland, Michigan 48185

To whom it may concern:

The Council of the City of Livonia, at a Regular Meeting held February 28, 2024, adopted the following resolution:

#072-24 RESOLVED, that having considered the report and recommendation of the City Engineer, dated January 31, 2024, which bears the signatures of the Director of Public Works, the Director of Finance and the City Attorney, and is approved for submission by the Mayor, the Council does hereby accept the unit price bid of Hard Rock Concrete, Inc., 38146 Abruzzi Drive, Westland, Michigan 48185 for performing all work required in connection with the 2024 Concrete Road Program (Contract 24-C), at their Contract 23-C bid unit prices, with the exception of revised unit prices for bid item number 3 mobilization, the newly added item numbers 18A for brick mailbox removal and 41A for concrete pavement with integral curb - 8-inch thick non-reinforced and the agreed upon 250 Inspector Days based on the recommendation of Anderson, Eckstein and Westrick, inc. ("AEW"), said amount to be adjusted based upon the quantities of work actually completed, for the estimated total cost of \$4,523,752.63; FURTHER, the Council does hereby authorize an expenditure in an amount not to exceed \$4,523,752.63 for the 2024 Concrete Road Program (Contract 24-C) from budgeted road funds in the following accounts:

Account No. 204-463-818-110 (Reconstruction)	\$4,433,752.63
Account No. 204-463-818-114 (Maintenance)	\$ 90,000.00

and the City Engineer is hereby authorized to approve minor adjustments in the work as it becomes necessary but this authorization does not entitle the City Engineer to authorize any increase in the not to exceed amount or to contract with other parties; FURTHER, such action is taken without competitive bidding for the reason that Hard Rock Concrete, Inc. has shown itself to be the most competitive market participant by, among other

things, honoring their 2023 pricing, such that the City would receive no advantage from competitive bidding per Code of Ordinances Section 3.04.140.E.3; and the Mayor and City Clerk are hereby authorized for and on behalf of the City of Livonia to execute a contract with the aforesaid company, approved as to form and substance by the Department of Law, and to do all other things necessary or incidental to the full performance of this resolution

Very truly yours,

Lori L. Miller

City Clerk

LLM/ljr

Xc: Engineering

**CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD FEBRUARY 10, 2025**

Meeting was called to order at 9:05 p.m. by Council President McCullough. Present: Laura Toy, Rob Donovic, Carrie Budzinski, and President McCullough. Absent: Vice President Ptashnik, Lynda Scheel, and Scott Morgan.

Elected and appointed officials present: Carter Fisher, City Attorney; Lori L. Miller, City Clerk; and Todd Zilincik, City Engineer.

Councilmember Toy led the meeting with the Pledge of Allegiance.

12. REQUEST TO AMEND THE CONTRACT WITH ANDERSON, ECKSTEIN AND WESTRICK, INC. FOR CONSTRUCTION ENGINEERING SERVICES FOR THE 2025 CONCRETE ROAD PROGRAM (CONTRACT 25-C): Engineering Division, re: same. (CR 336-21)

Todd Zilincik, City Engineer, presented the item to Council. Mr. Zilincik stated the City has an established rapport and relationship with Anderson, Eckstein and Westrick, who provide assistance in various projects. Mr. Zilincik indicated the request before them is to simply amend the contract with AEW as it pertains to the construction engineering services provided relative to the 2025 Concrete Road Program (Contract 25-C). Mr. Zilincik stated AEW provides excellent services to Livonia.

Councilmember Toy stated AEW is an excellent vendor to work with, but she wanted to commend City Engineer, Todd Zilincik, for doing a good job working with a lot of these vendors and works well to keep things running smoothly and on time.

President McCullough stated we are very fortunate to have dedicated vendors who take such good care of us and give us an amazing deal of extending last year's prices, which should not go unnoticed.

DIRECTION:

APPROVING

CONSENT



LETTER TO THE LIVONIA CITY COUNCIL

12.

Engineering
January 29, 2025

MEETING DATE

S021025/R022425

PRESENTED BY

Todd Zilincik, P.E., City Engineer

AGENDA ITEM

REQUEST TO AMEND THE CONTRACT WITH ANDERSON, ECKSTEIN AND WESTRICK, INC. FOR CONSTRUCTION ENGINEERING SERVICES FOR THE 2025 CONCRETE ROAD PROGRAM (CONTRACT 25-C): Engineering Division, re: same. (CR 336-21)

BACKGROUND DETAILS

The City Council approved Qualification Based Selection (QBS) firms pursuant to Council Resolution No. 336-21, adopted November 22, 2021 to perform all professional engineering services on various federal, state and locally funded projects through fiscal year 2026. Under this procedure, we are recommending that Anderson, Eckstein and Westrick, Inc. (AEW) continue as our consultant for the 2025 Concrete Road Program. See the attached letter dated January 28, 2025 from AEW for the construction engineering services.

The estimated construction costs in the amount of \$4,538,170.86 for the concrete program, which forms the basis for the Engineering contract.

In order to proceed with these projects, it is respectfully recommended that the Council take the following actions:

- Authorize the Mayor and the City Clerk to execute an amendment to the Engineering contract with Anderson, Eckstein and Westrick, Inc., 51301 Schoenherr Road, Shelby Township, Michigan 48315 in the amount of \$544,581 for Construction Engineering for the 2025 Concrete Road Program. These amounts are based on construction cost estimates and may be adjusted based on final quantities constructed.
- Authorize an expenditure in the amount of \$544,581 from budgeted funds in the Road, Sidewalk and Tree Fund, Account Number 204-447-818-102.
- Authorize the City Engineer to approve minor adjustments in the work, as required.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

In order to proceed with these projects, it is respectfully recommended that the Council take the following actions:

- Authorize the Mayor and the City Clerk to execute an amendment to the Engineering contract with Anderson, Eckstein and Westrick, Inc., 51301 Schoenherr Road, Shelby Township, Michigan 48315 in the amount of \$544,581 for Construction Engineering for the 2025 Concrete Road Program. These amounts are based on construction cost estimates and may be adjusted based on final quantities constructed.
- Authorize an expenditure in the amount of \$544,581 from budgeted funds in the Road, Sidewalk and Tree Fund, Account Number 204-447-818-102.
- Authorize the City Engineer to approve minor adjustments in the work, as required.

SPECIFIC NAME OF PRODUCT AND NUMBER TO BE PURCHASED (if more than one)

n/a

CONTRACT: Amount and/or purchase price and length of contract (with dates if applicable)

\$544,581

DETAILED WORK BEING PERFORMED

Construction Engineering Services for the 2025 Concrete Road Program

FISCAL CONSIDERATIONS (Amount requested and Account(s) used. If applicable, Grant Funding information)

\$544,581 from Account No. 204-447-818-102

ACCEPTANCE OF BID (Please detail the following: Why accepted, why not lowest bidder, company name, contact person, full address)

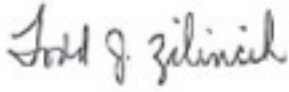
n/a

REASON TO WAIVE BID PROCESS (Emergency, Professional services, No advantage to City and why, Consortium package, etc): Qualification Based Selection (QBS) Firm

ATTACHMENTS

1. AEW CE Proposal - Livonia 2025 Concrete Program 25-C Reconstruction Construction Engineering CvrLtr
2. Exhibit A for QBS AEW CE for Contract 25-C
3. CR 336-21

APPROVED BY



Todd Zilincik, P.E., City Engineer

Date: January 29, 2025



Don Rohraff, Director of Public Works

Date: January 29, 2025



Debra Peck Lichtenberg, CPA, Finance Director

Date: January 31, 2025



Carter Fisher, City Attorney

Date: January 31, 2025



Maureen Miller Brosnan, Mayor

Date: January 31, 2025



ANDERSON, ECKSTEIN & WESTRICK, INC.

CIVIL ENGINEERS - SURVEYORS - ARCHITECTS

Shelby Township - Roseville - Livonia

586.726.1234 | www.aewinc.com

January 28, 2025

Todd Zilincik, P.E.
City Engineer
City of Livonia
12973 Farmington Road
Livonia, Michigan 48150

Reference: Proposal for Professional Services- Construction Engineering

2025 Concrete Road Program: 25-C Reconstruction
City of Livonia

Dear Mr. Zilincik:

Thank you for considering our firm to provide engineering services on the project referenced above. The enclosed Exhibit A, "Project Specific Scope of Services, Project Schedule, Payments to Consultant," has been prepared for this project in accordance with the Professional Services Contract between the City of Livonia and Anderson, Eckstein and Westrick, Inc. Please let us know if you have any questions regarding the enclosed exhibit.

Thank you for considering our firm for continued participation of this very successful road program. It is our honor to be part of the team.

Sincerely,

Anderson, Eckstein and Westrick, Inc.

Scott Lockwood, Exec. Vice President

EXHIBIT A

PROJECT SPECIFIC SCOPE OF SERVICES, PROJECT SCHEDULE, PAYMENTS TO CONSULTANT

The information contained in this Exhibit applies only to the following project:

Project Title: **2025 Concrete Road Repair Program, Construction
Engineering Services for Contract 25-C**

This is an exhibit to the contract dated November 22, 2021 pursuant to Council Resolution No. 336-21 between the City of Livonia, and Anderson, Eckstein, and Westrick, Inc. (AEW), whose address is 51301 Schoenherr, Shelby Twp., Michigan 48315.

This Exhibit acts as a duly executed written instrument that amends, supplements, modifies, or cancels certain portions of the contract, as provided in Article 8.01 of the contract.

A. SCOPE OF SERVICES, INCLUDING MATERIAL QUALITY CONTROL PROGRAM

The CONSULTANT is requested to provide construction engineering services for the 2025 Concrete Road Program, Contract 25-C. The road sections to be included in this project are as follows:

Reconstruction:

Street	From	To
Fairfax Drive	Gary Lane	End
Northland Drive	Laurel Avenue	End
Bridge Avenue	#19304 Gary Lane	Laurel Avenue
Laurel Avenue	Bridge Avenue	End
Dolores Drive	Inkster Road	Bennett Avenue
Parklane Drive	Mallory Drive	Golfview Drive
Rayburn Avenue	Williams Avenue	#36700 Rayburn Avenue
Sunbury Avenue	Buckingham Avenue	#14233 Sunbury Avenue
Sunbury Avenue	Meadowlark Avenue	Jacquelyn Avenue
Alexander Avenue	Buckingham Avenue	Meadowlark Avenue
Cardwell Avenue	Bentley Avenue	Lyndon Avenue
Hathaway Avenue	Henry Ruff Road	Louise Avenue
Olson Avenue	Henry Ruff Road	Hillcrest Avenue
Elmira Avenue	Clements Circle East	Deering Avenue
Clements Circle East	#10044 Clements Circle East	#11330 Clements Circle East
Deering Avenue	Elmira Avenue	Orangelawn Avenue
Dover Avenue	Sunbury Avenue	Harrison Avenue
*Sunset Boulevard	Pickford Avenue	Clarita Avenue

*Deferred from 2024

SCOPE OF CONSTRUCTION ENGINEERING SERVICES:

The Construction Engineering Services to be provided for this project shall include the following:

1. **Contract Administration Services** includes the preparation of monthly progress pay estimates, to be submitted to the CITY in accordance with an agreed upon pay estimate schedule. Pay estimates will be prepared by the CONSULTANT, based on the CONSULTANT's estimated and measured field quantities as recorded in the Construction Observer's Daily Reports. This service will also include assisting the CITY to resolve contractor project claims for extra compensation and contract document interpretation. The CONSULTANT will also review the Contractor's proposed project schedule, to monitor compliance with the approved contract documents. The CONSULTANT will prepare the final pay estimate and balancing change order and submit to the contractor along with a request closeout documents as outlined in the Contract Documents. The CONSULTANT will review the partially executed final pay estimate and balancing change order as well as all final closeout documents prior to forwarding to the CITY for execution. Complaint resolution services are included as part of this task, and will include the preparation of a complaint log with the issue followed to disposition in the best interest of the CITY.
2. **Construction Staking Services** provided during the construction phase shall consist of the required staking for line and elevation of specific contract items such as pavement replacement for long areas (over 400 feet) or total reconstruction, and curb and gutter replacement when over 400 feet in length or the entire pavement section on reconstruction projects. The existing pavement will be surveyed prior to total removal so that the high points and low points can be re-established and necessary corrections made to specific problem areas that were not properly draining. Staking will be at a minimum of 50-foot intervals and includes the top of curb grade only. Offsets will be discussed with the contractor.
3. **Construction Observation Services** shall consist of documenting the Contractor's work and progress. Construction Observer's Daily Reports will be prepared documenting pay item quantities and the general work progress of the day. The Construction Observer will also perform Quality Assurance checks of line and grade for compliance with the survey stakes. The on-site Construction Observer will compel the contractor to resolve citizen complaints on a daily basis, which may arise during the course of construction. The Construction Observer will also interact with the Contractor's on-site supervisory personnel. The CONSULTANT's Construction Observer will notify the Contractor and document when work is in non-compliance.
4. **Project Oversight** shall consist of supervision by the CONSULTANT's Project Manager or Construction Observation personnel. This service will include processing the review of shop drawings as required in the contract documents, and providing assistance for the resolution of construction issues, which may arise during the project construction phase of the project. These services also include providing recommendations to the CITY regarding construction claims for extra compensation from the Contractor. The CONSULTANT will negotiate and prepare change orders as required. The CONSULTANT will encourage the Contractor to

provide prompt citizen complaint resolution, review of project progress for compliance with approved schedule and provide recommendations to the CITY for penalties and/or changes to the Contract.

The CONSULTANT will coordinate the efforts of the material testing sub-consultant and review materials testing reports to assure compliance with the contract documents and will provide appropriate recommendations to the CITY. The CONSULTANT will lead the preconstruction meeting and progress meetings. The CONSULTANT will review and draft resident notices to be hand delivered by the Contractor. The CONSULTANT will participate in other CITY initiated resident communication.

The CONSULTANT will attend up to four Public Informational Meetings with CITY Staff, to meet with residents to review the approved construction program and the approved traffic control program, and discuss the anticipated impacts.

B. PROJECT SCHEDULE:

Construction is anticipated to begin in mid April and completed by November 2025.

C. PAYMENTS TO CONSULTANTS

The CONSULTANT will be paid at the attached hourly rates with a not to exceed amount based on Attachment A, Engineering Fees by Construction Value and Type of Project. Fees are based on a construction amount of \$4,538,170.86. Fees shall not exceed \$544,581.00 without prior approval from City Council for Construction Engineering (CE).

In Witness Whereof, the City and Consultant, by and through their duly authorized officers and representatives, have executed this Contract.

In the Presence of:

CITY OF LIVONIA, a Michigan
Municipal Corporation

By: _____
Maureen Miller Brosnan, Mayor

By: _____
Lori L. Miller, City Clerk

In the Presence of:

Anderson, Eckstein and Westrick

By: _____
Scott P. Lockwood, P.E.

Ross Wilberding

Its: Executive Vice President

Approved:

Donald R. Rohraff
Director of Public Works

Approved:

Todd J. Zilincik, P.E.
City Engineer

Approved:

Debra Peck Lichtenberg
Director of Finance

Approved as to form:

Carter Fisher
Department of Law

Pursuant to Council Resolution:

No.: _____

Adopted on: _____

CITY OF LIVONIA 2025 CONCRETE PROGRAM

HOURLY CHARGE RATES

<u>EMPLOYEE CLASSIFICATION</u>	<u>HOURLY CHARGE RATE</u>
PRINCIPAL ENGINEER / SURVEYOR / ARCHITECT	\$ 191.40
SENIOR PROJECT ENGINEER / SURVEYOR / ARCHITECT	175.80
LICENSED ENGINEER / SURVEYOR / ARCHITECT	159.20
GRADUATE ENGINEER / SURVEYOR / ARCHITECT	131.40
TEAM LEADER	131.40
ENGINEERING AIDE III	108.90
ENGINEERING AIDE II	102.30
ENGINEERING AIDE I	95.40
ENGINEERING AIDE TRAINEE	81.70
SECRETARIAL (Special Projects)	51.70
SURVEY FIELD (3 PERSON CREW)	265.50
SURVEY FIELD (2 PERSON CREW)	231.50
SURVEY FIELD (1 PERSON CREW)	177.00
CONFINED SPACE ENTRY CREW (2 PERSON)	285.90
DATA COLLECTOR (SURVEY CREW)	35.40
GPS SURVEY EQUIPMENT	87.10

Regular Minutes of November 22, 2021

AND BE IT FURTHER RESOLVED THAT the street is an approved public street and is open for public purposes; and FURTHER, that said street is accepted into the City's local street system and is located within a right-of-way under the control of the City of Livonia and that said street was open to the public as of December 31, 2021.

#336-21 RESOLVED, that having considered the report and recommendation of the City Engineer, dated October 26, 2021, submitted pursuant to Council Resolution No. 365-16, which bears the signatures of the Director of Public Works, the Director of Finance and the City Attorney, and is approved for submission by the Mayor, requesting to extend the Qualification-Based Selection (QBS) contracts with OHM Advisors, Hubbell, Roth and Clark, Inc., Spalding Dedecker Associates, Inc. and Anderson, Eckstein and Westrick, Inc., for a period of five (5) years, for future proposals relating to professional engineering consulting services, the Council does hereby accept the proposal to extend the qualification based-selection (qbs) contracts with OHM Advisors, 34000 Plymouth Road, Livonia, MI 48150, Hubbell, Roth and Clark, Inc., 555 Hulet Drive, Bloomfield Hills, MI 48303-0824, Spalding Dedecker Associates, Inc., 905 South Boulevard East, Rochester Hills, MI 48307-5358, and Anderson, Eckstein and Westrick, Inc., 51301 Schoenherr Road, Shelby Township, MI 48315, for a five (5) year period ending November 30, 2026, to perform Professional Engineering Services on various Federal, State and Locally funded roads, bridges, storm sewers, sanitary sewers, water mains, traffic signal modernization and pedestrian signal upgrades and other related projects; FURTHER, the Mayor and City Clerk are hereby authorized to execute contracts for and on behalf of the City of Livonia with the aforesaid companies and to do all other things necessary or incidental to the full performance of this resolution; and all QBS contracts based on scope and contract amount for each future individual project will be brought before the City Council for funding approval.

#337-21 RESOLVED, that having considered the report and recommendation of the City Engineer, dated October 29, 2021, which bears the signatures of the Director of Public Works and the Director of Finance, and is approved for submission by the Mayor, the Council does hereby approve the proposed 2022 Road Repair Program as proposed by the Department of Public Works and as reviewed by the Citizens Advisory Committee on Roads for the tenth year of the ten-year road paving millage approved by Livonia residents, as shown in the attachment to that report.

#338-21 WHEREAS, the Mayor and City Council of the City of Livonia believe quality roads are a vital part of any community; and

WHEREAS, the City of Livonia has a Citizens Advisory Committee on Roads which identifies City streets most in need of repair in order to

**CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD FEBRUARY 10, 2025**

Meeting was called to order at 9:05 p.m. by Council President McCullough. Present: Laura Toy, Rob Donovic, Carrie Budzinski, and President McCullough. Absent: Vice President Ptashnik, Lynda Scheel, and Scott Morgan.

Elected and appointed officials present: Carter Fisher, City Attorney; Lori L. Miller, City Clerk; and Todd Zilincik, City Engineer.

Councilmember Toy led the meeting with the Pledge of Allegiance.

13. REQUEST WAIVE THE FORMAL BIDDING PROCESS AND APPROVE THE 2025 SIDEWALK AND PAVEMENT REPLACEMENT PROGRAM BY EXTENDING CONTRACT 24-F UNIT PRICES WITH GREAT LAKES CONTRACTING SOLUTIONS, LLC: Engineering Division, re: for Contract 25-F in the amount of \$300,000, from budgeted funds. (CR #106-23)

Todd Zilincik, City Engineer, presented the item to Council. Mr. Zilincik stated there would be no benefit to send this contract out to bid as the previous contractor, Great Lakes Contracting Solutions, has offered to extend their 2024 prices for the 2025 contract. Mr. Zilincik indicated this vendor is great to work with and does a great job for the annual sidewalk and pavement replacement program and therefore is requesting the 2025 contract be awarded to Great Lakes Contracting. Mr. Zilincik stated we are fortunate to have this vendor extend their prices from last year and funds have been provided in the budget for this annual program.

DIRECTION:

APPROVING

CONSENT



LETTER TO THE LIVONIA CITY COUNCIL

13.

Engineering
January 28, 2025

MEETING DATE

S021025/R022425

PRESENTED BY

Todd Zilincik, P.E., City Engineer

AGENDA ITEM

REQUEST WAIVE THE FORMAL BIDDING PROCESS AND APPROVE THE 2025 SIDEWALK AND PAVEMENT REPLACEMENT PROGRAM BY EXTENDING CONTRACT 24-F UNIT PRICES WITH GREAT LAKES CONTRACTING SOLUTIONS, LLC: Engineering Division, re: for Contract 25-F in the amount of \$300,000, from budgeted funds. (CR #106-23)

BACKGROUND DETAILS

At the request of the Department of Public Works a program was established to replace removed sidewalks and pavements to facilitate water main break repairs.

Phase I water main break locations are compiled from late October thru early March each year. Pavement repairs to the road, sidewalk and drive approaches are then scheduled to be completed by late June. The remaining water main breaks from mid-April until late September are then compiled for Phase II. Phase II repairs are then scheduled to be completed by mid to late October before leaf season commences.

The Engineering Division finalized plans and specifications for a contract to repair damaged sidewalk and pavement at water main break locations. Bids for the subject project were taken on February 28, 2023. In response to our advertisement on MITN, four (4) bids were submitted.

The low bidder, Great Lakes Contracting Solutions, LLC (GLCS) was awarded the contract on March 22, 2023 (CR #106-23) and extended unit prices for Contract 24-F (CR #28-24). GLCS has agreed to the unit prices extension for the 2025 Sidewalk and Pavement Replacement Program, Contract 25-F.

GLCS provided a letter dated January 27, 2025 requesting extension of Contract 23-F and agreed to hold the unit prices in 2025 so long as the scope and volume of work remained the same. We are recommending extension of the contract for 2025 as GLCS has been very responsive in completing the work in a timely fashion along with any additional requests that have been asked of them. Phase I work shall be completed prior to June 30, 2025 and that Phase II work shall be completed between September 15th and October 24th, 2024.

In order to proceed with this project, it is respectfully recommended that the Council take the following actions:

- Waive the formal bidding process under Section 3.04.140.E.3 of the Livonia Code of

Ordinances, as amended, since no advantage to the City would result from competitive bidding.

- Award Contract, 25-F in the total amount of not-to-exceed \$300,000 to Great Lakes Contracting Solutions, LLC, 2300 Edinburgh, Waterford, Michigan 48328. The award should be on the basis of the bid unit prices from Contract 23-F, awarded on March 22, 2023 with said amount to be adjusted based upon the quantities of work actually completed.
- Authorize an appropriation and expenditure in the amount not-to-exceed \$300,000 for the 2025 Sidewalk and Pavement Replacement Program – Water Main Breaks from the Water and Sewer Construction in Progress Account No. 592-158-000.
- Authorize the City Engineer to approve minor adjustments in the work a

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

In order to proceed with this project, it is respectfully recommended that the Council take the following actions:

- Waive the formal bidding process under Section 3.04.140.E.3 of the Livonia Code of Ordinances, as amended, since no advantage to the City would result from competitive bidding.
- Award Contract, 25-F in the total amount of not-to-exceed \$300,000 to Great Lakes Contracting Solutions, LLC, 2300 Edinburgh, Waterford, Michigan 48328. The award should be on the basis of the bid unit prices from Contract 23-F, awarded on March 22, 2023 with said amount to be adjusted based upon the quantities of work actually completed.
- Authorize an appropriation and expenditure in the amount not-to-exceed \$300,000 for the 2025 Sidewalk and Pavement Replacement Program – Water Main Breaks from the Water and Sewer Construction in Progress Account No. 592-158-000.
- Authorize the City Engineer to approve minor adjustments in the work as required.

SPECIFIC NAME OF PRODUCT AND NUMBER TO BE PURCHASED (if more than one)

n/a

CONTRACT: Amount and/or purchase price and length of contract (with dates if applicable)

\$300,000

DETAILED WORK BEING PERFORMED

2025 Sidewalk and Pavement Replacement Program - Water Main Breaks

FISCAL CONSIDERATIONS (Amount requested and Account(s) used. If applicable, Grant Funding information)

\$300,000 from Account #592-158-000 Water and Sewer Construction in Progress

ACCEPTANCE OF BID (Please detail the following: Why accepted, why not lowest bidder, company name, contact person, full address)

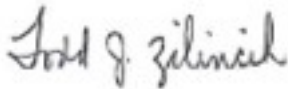
n/a

REASON TO WAIVE BID PROCESS (Emergency, Professional services, No advantage to City and why, Consortium package, etc): Waive the formal bidding process under Section 3.04.140.E.3 of the Livonia Code of Ordinances, as amended, since no advantage to the City would result from competitive bidding.

ATTACHMENTS

1. Great Lakes Extension Offer 1-27-25
2. 23-F Bid Tab
3. CR 106-23

APPROVED BY



Todd Zilincik, P.E., City Engineer

Date: January 28, 2025



Don Rohraff, Director of Public Works

Date: January 28, 2025



Debra Peck Lichtenberg, CPA, Finance Director

Date: January 31, 2025



Carter Fisher, City Attorney

Date: January 31, 2025



Maureen Miller Brosnan, Mayor

Date: January 31, 2025



2300 Edinburgh, Waterford, MI 48328
Phone: (313) 962-0400/Fax: (313) 962-0404

January 27, 2025

VIA EMAIL ONLY: tzilincik@livonia.gov

City of Livonia
Engineering Division
12973 Farmington Road
Livonia, MI 48150

Attn: Todd Zilincik, P.E.

RE: CITY OF LIVONIA
SIDEWALK AND WATER MAIN BREAK LOCATIONS / CONTRACT #23-F
CONTRACT EXTENSION - 2025

Dear Mr. Zilincik,

Please let this letter confirm that Great Lakes Contracting Solutions is pleased to offer an extension of the contract above with the City of Livonia for repairs as needed in the 2025 construction season. We will agree to hold the current unit prices in 2025 so long as the scope and volume of work remain the same.

We appreciate the opportunity to continue work for the City of Livonia. If you have any questions, please do not hesitate to contact us. We look forward to hearing back from you.

Sincerely,
GREAT LAKES CONTRACTING SOLUTIONS, LLC

Philip A. Sakalian
Digitally signed by
Philip A. Sakalian
Date: 2025.01.27
14:03:46 -05'00'

PHILIP A. SAKALIAN

2023 Sidewalk and Concrete Repair Program - Water Main Break Locations
City of Livonia Engineering Division
Contract 23-F
Bid Tabulation
February 28, 2023

Great Lakes Contracting Solutions, LLC
2300 Edinburgh
Waterford, MI. 48328
(313) 962-0400
Contact: Philip A Sakalian

Rotondo Construction Inc.
38807 Ann Arbor Rd., Ste. 2
Livonia, MI 48150
(248) 474-0707
Contact: Joe Rotondo

G.V. Cement Contr. Co.
20000 Dix-Toledo Hwy.
Brownstown, MI. 48183
(734) 479-2180
Contact: L Vincent J. Vitale

ITEM	DESCRIPTION	EST. QTY	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
Phase I Locations								
1.	Remove and Replace 4" Concrete (Plain) (s.f.)	1,600	\$8.10	\$12,960.00	\$7.85	\$12,560.00	\$8.00	\$12,800.00
2.	Remove and Replace 4" - 6" Concrete (Plain) with Integral Curb (s.f.)	120	\$9.10	\$1,092.00	\$8.25	\$990.00	\$8.50	\$1,020.00
3.	Remove and Replace 6" Concrete (Plain) (s.f.)	2,900	\$9.10	\$26,390.00	\$8.50	\$24,650.00	\$8.50	\$24,650.00
4.	Remove and Replace 6" Concrete (Plain) ADA Ramp (s.f.)	55	\$9.50	\$522.50	\$9.00	\$495.00	\$14.00	\$770.00
5.	Remove and Replace 7" Concrete (Plain) w/min. 3" 21AA Stone Base (s.f.)	1,300	\$9.20	\$11,960.00	\$9.00	\$11,700.00	\$9.00	\$11,700.00
6.	Remove and Replace 8" Concrete (Plain) w/min. 3" 21AA Stone Base (s.f.)	1100	\$9.50	\$10,450.00	\$9.50	\$10,450.00	\$10.00	\$11,000.00
7.	Remove and Replace 8" High Early Strength (HES) Concrete Pavement (Min. 8 bags/cy) w/ min. 3" 21AA Stone Base (s.f.)	100	\$11.25	\$1,125.00	\$10.00	\$1,000.00	\$14.00	\$1,400.00
8.	Remove and Replace 9+" - 11" (Reinforced) w/min. 9" 21AA Stone Base (s.f.)	4,000	\$10.25	\$41,000.00	\$20.00	\$80,000.00	\$10.00	\$40,000.00
9.	Remove and Replace 11+" - 13" (Reinforced) w/min. 9" 21AA Stone Base(s.f.)	400	\$11.25	\$4,500.00	\$35.00	\$14,000.00	\$10.50	\$4,200.00
10.	Remove and Replace 13+" - 15" (Reinforced) w/min. 9" 21AA Stone Base(s.f.)	200	\$11.30	\$2,260.00	\$38.00	\$7,600.00	\$11.25	\$2,250.00
11.	Remove and Replace Flush Concrete Curb and Gutter (l.f.)	50	\$47.50	\$2,375.00	\$30.00	\$1,500.00	\$45.00	\$2,250.00
12.	Remove and Replace 6" - 8" Concrete Curb and Gutter (l.f.)	50	\$47.50	\$2,375.00	\$30.00	\$1,500.00	\$45.00	\$2,250.00
13.	Place ADA Truncated Dome 4'x2' or 5'x2' (ea.)	1	\$250.00	\$250.00	\$250.00	\$250.00	\$350.00	\$350.00
14.	Adjust Structure (Top 1') (ea.)	2	\$525.00	\$1,050.00	\$200.00	\$400.00	\$500.00	\$1,000.00
15.	Adjust Structure (each Additional 1') (ea.)	1	\$150.00	\$150.00	\$100.00	\$100.00	\$500.00	\$500.00
16.	Adjust Sanitary Structure - Top 30" (Incl. Adjustment and Encapsulation) (ea.)	1	\$1,150.00	\$1,150.00	\$900.00	\$900.00	\$800.00	\$800.00
17.	Remove and Replace 2" to 6" Asphalt Pavement (100T, 36A) (s.f.)	5800	\$9.00	\$52,200.00	\$8.00	\$46,400.00	\$16.00	\$92,800.00
18.	Lighted Arrow, Type C, Furn. (ea.)	3	\$710.50	\$2,131.50	\$250.00	\$750.00	\$1,000.00	\$3,000.00
19.	Lighted Arrow, Type C, Oper. (ea.)	3	\$0.01	\$0.03	\$250.00	\$750.00	\$1,000.00	\$3,000.00
20.	Plastic Drum, High Intensity, Furn. (ea.)	160	\$29.45	\$4,712.00	\$0.10	\$16.00	\$10.00	\$1,600.00
21.	Plastic Drum, High Intensity, Oper. (ea.)	160	\$0.01	\$1.60	\$0.10	\$16.00	\$10.00	\$1,600.00
22.	Barricade Type III High Intensity Double-Sided, Furn. (ea.)	2	\$126.90	\$253.80	\$0.10	\$0.20	\$25.00	\$50.00
23.	Barricade Type III High Intensity Double-Sided, Oper. (ea.)	2	\$0.01	\$0.02	\$0.10	\$0.20	\$25.00	\$50.00
24.	Sign Cover (ea.)	2	\$25.40	\$50.80	\$0.10	\$0.20	\$15.00	\$30.00

2023 Sidewalk and Concrete Repair Program - Water Main Break Locations
City of Livonia Engineering Division
Contract 23-F
Bid Tabulation
February 28, 2023

Great Lakes Contracting Solutions, LLC
2300 Edinburgh
Waterford, MI. 48328
(313) 962-0400
Contact: Philip A Sakalian

Rotondo Construction Inc.
38807 Ann Arbor Rd., Ste. 2
Livonia, MI 48150
(248) 474-0707
Contact: Joe Rotondo

G.V. Cement Contr. Co.
20000 Dix-Toledo Hwy.
Brownstown, MI. 48183
(734) 479-2180
Contact: L Vincent J. Vitale

ITEM	DESCRIPTION	EST. QTY	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
25.	Sign, Type B, Temp., Prismatic, Furn. (s.f.)	50	\$9.15	\$457.50	\$0.10	\$5.00	\$25.00	\$1,250.00
26.	Sign, Type B, Temp., Prismatic, Oper. (s.f.)	50	\$0.01	\$0.50	\$0.10	\$5.00	\$25.00	\$1,250.00
27.	Wayne County Permit Fees (l.s.)	1	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00
28.	Inspector Days (based on an 8 hour day) Note: Min. Bid 16 days @ \$600/day (days)	25	\$600.00	\$15,000.00	16	\$9,600.00	21	\$12,600.00
Phase I Locations Total for Items 1-28:				\$197,917.25		\$229,137.60		\$237,670.00

Phase II Locations

1.	Remove and Replace 4" Concrete (Plain) (s.f.)	800	\$8.10	\$6,480.00	\$7.85	\$6,280.00	\$8.00	\$6,400.00
2.	Remove and Replace 4" - 6" Concrete (Plain) with Integral Curb (s.f.)	60	\$9.10	\$546.00	\$8.25	\$495.00	\$8.50	\$510.00
3.	Remove and Replace 6" Concrete (Plain) (s.f.)	1,450	\$9.10	\$13,195.00	\$8.50	\$12,325.00	\$8.50	\$12,325.00
4.	Remove and Replace 6" Concrete (Plain) ADA Ramp (s.f.)	28	\$9.50	\$266.00	\$9.00	\$252.00	\$14.00	\$392.00
5.	Remove and Replace 7" Concrete (Plain) w/min. 3" 21AA Stone Base (s.f.)	650	\$9.20	\$5,980.00	\$9.00	\$5,850.00	\$9.00	\$5,850.00
6.	Remove and Replace 8" Concrete (Plain) w/min. 3" 21AA Stone Base (s.f.)	550	\$9.50	\$5,225.00	\$9.50	\$5,225.00	\$10.00	\$5,500.00
7.	Remove and Replace 8" High Early Strength (HES) Concrete Pavement (Min. 8 bags/cy) w/ min. 3" 21AA Stone Base (s.f.)	50	\$11.25	\$562.50	\$10.00	\$500.00	\$14.00	\$700.00
8.	Remove and Replace 9" - 11" (Reinforced) w/min. 9" 21AA Stone Base (s.f.)	2,000	\$10.25	\$20,500.00	\$20.00	\$40,000.00	\$10.00	\$20,000.00
9.	Remove and Replace 11" - 13" (Reinforced) w/min. 9" 21AA Stone Base(s.f.)	200	\$11.25	\$2,250.00	\$35.00	\$7,000.00	\$10.50	\$2,100.00
10.	Remove and Replace 13" - 15" (Reinforced) w/min. 9" 21AA Stone Base(s.f.)	100	\$11.30	\$1,130.00	\$38.00	\$3,800.00	\$11.25	\$1,125.00
11.	Remove and Replace Flush Concrete Curb and Gutter (l.f.)	25	\$47.50	\$1,187.50	\$30.00	\$750.00	\$45.00	\$1,125.00
12.	Remove and Replace 6" - 8" Concrete Curb and Gutter (l.f.)	25	\$47.50	\$1,187.50	\$30.00	\$750.00	\$45.00	\$1,125.00
13.	Place ADA Truncated Dome 4'x2' or 5'x2' (ea.)	1	\$250.00	\$250.00	\$250.00	\$250.00	\$350.00	\$350.00
14.	Adjust Structure (Top 1') (ea.)	1	\$525.00	\$525.00	\$200.00	\$200.00	\$500.00	\$500.00
15.	Adjust Structure (each Additional 1') (ea.)	1	\$150.00	\$150.00	\$100.00	\$100.00	\$500.00	\$500.00
16.	Adjust Sanitary Structure - Top 30" (Incl. Adjustment and Encapsulation) (ea.)	1	\$1,150.00	\$1,150.00	\$900.00	\$900.00	\$800.00	\$800.00
17.	Remove and Replace 2" to 6" Asphalt Pavement (100T, 36A) (s.f.)	2900	\$9.00	\$26,100.00	\$8.00	\$23,200.00	\$16.00	\$46,400.00
18.	Lighted Arrow, Type C, Furn. (ea.)	2	\$710.50	\$1,421.00	\$250.00	\$500.00	\$1,000.00	\$2,000.00

2023 Sidewalk and Concrete Repair Program - Water Main Break Locations
City of Livonia Engineering Division
Contract 23-F
Bid Tabulation
February 28, 2023

Great Lakes Contracting Solutions, LLC
 2300 Edinburgh
 Waterford, MI. 48328
 (313) 962-0400
 Contact: Philip A Sakalian

Rotondo Construction Inc.
 38807 Ann Arbor Rd., Ste. 2
 Livonia, MI 48150
 (248) 474-0707
 Contact: Joe Rotondo

G.V. Cement Contr. Co.
 20000 Dix-Toledo Hwy.
 Brownstown, MI. 48183
 (734) 479-2180
 Contact: L Vincent J. Vitale

ITEM	DESCRIPTION	EST. QTY	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
19.	Lighted Arrow, Type C, Oper. (ea.)	2	\$0.01	\$0.02	\$250.00	\$500.00	\$1,000.00	\$2,000.00
20.	Plastic Drum, High Intensity, Furn. (ea.)	80	\$29.45	\$2,356.00	\$0.10	\$8.00	\$10.00	\$800.00
21.	Plastic Drum, High Intensity, Oper. (ea.)	80	\$0.01	\$0.80	\$0.10	\$8.00	\$10.00	\$800.00
22.	Barricade Type III High Intensity Double-Sided, Furn. (ea.)	1	\$126.90	\$126.90	\$0.10	\$0.10	\$25.00	\$25.00
23.	Barricade Type III High Intensity Double-Sided, Oper. (ea.)	1	\$0.01	\$0.01	\$0.10	\$0.10	\$25.00	\$25.00
24.	Sign Cover (ea.)	1	\$25.40	\$25.40	\$0.10	\$0.10	\$15.00	\$15.00
25.	Sign, Type B, Temp., Prismatic, Furn. (s.f.)	25	\$9.15	\$228.75	\$0.10	\$2.50	\$25.00	\$625.00
26.	Sign, Type B, Temp., Prismatic, Oper. (s.f.)	25	\$0.01	\$0.25	\$0.10	\$2.50	\$25.00	\$625.00
27.	Inspector Days (based on an 8 hour day) Note: Min. Bid 8 days @ \$600/day (days)	20	\$600.00	\$12,000.00	8	\$4,800.00	21	\$12,600.00
Phase II Locations Total for Items 1-27:				\$102,843.63		\$113,698.30		\$125,217.00
Total Bid (Phase I and Phase II)				\$300,760.88		\$342,835.90		\$362,887.00
								(\$339,407.54 w/ Local Bidder Preference)

Additional Bidders:

Luigi Ferdinandi & Son Cement Co.
 16481 Common Road
 Roseville, MI. 48066

Phase 1 - 16 days \$288,418.90
 Phase 2 - 8 days \$143,743.20
\$432,162.10

Bids Advertised: MITN
 Bid Opening Date: February 9, 2021

FURTHER, the Council does hereby determine to authorize the said purchase without competitive bidding inasmuch as the same is based upon the State of Michigan Contract Pricing Bid under Contract No. 071B6600111 for the new purchase, and such action is taken in accordance with the provisions set forth in Section 3.04.140.E.4 of the Livonia Code of Ordinances, as amended.

#106-23 RESOLVED, that having considered the report and recommendation of the City Engineer, dated March 2, 2023, which bears the signatures of the Director of Public Works, the Director of Finance and the City Attorney, and is approved for submission by the Mayor, the Council does hereby accept the unit price bid ("unit price bid") of Great Lakes Contracting Solutions, LLC, 2300 Edinburgh, Waterford, Michigan 48328 for completing all work required in connection with the **2023 Sidewalk and Pavement Replacement Program – Water Main Breaks (contract 23-F)** in an amount not to exceed \$300,760.88, based upon the Engineering Division's estimate of units involved, and subject to final payment based upon the actual units completed in accordance with the unit prices accepted herein, said cost and unit prices having been in fact the lowest bid received for this item, and to completing, at the City's option, all work required in connection with the 2024 Sidewalk and Pavement Replacement Program – Water Main Breaks (Contract 24-F) for the amounts set forth in the unit price bid; FURTHER, the Council does hereby appropriate and authorize an amount not to exceed \$300,760.88 for the 2023 Sidewalk and Pavement Replacement Program – Water Main Breaks (Contract 23-F) from the Water and Sewer Construction in Progress Account No. 592-158-000 for this purpose; and the City Engineer is hereby authorized to approve minor adjustments in the work as it becomes necessary but this authorization does not entitle the City Engineer to authorize any increase in the not to exceed amount or to contract with other parties; and the Mayor and City Clerk are hereby authorized to execute a contract, approved as to form and substance by the Department of Law, for and on behalf of the City of Livonia with the aforesaid bidder and to do all other things necessary or incidental to the full performance of this resolution.

A roll call vote was taken on the foregoing resolutions with the following result:

AYES: Bahr, Donovic, Morgan, McIntyre, and Jolly

NAYS: None

On a motion by Councilmember Donovic, supported by Councilmember Morgan, and unanimously adopted it was:

**CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD FEBRUARY 10, 2025**

Meeting was called to order at 9:05 p.m. by Council President McCullough. Present: Laura Toy, Rob Donovic, Carrie Budzinski, and President McCullough. Absent: Vice President Ptashnik, Lynda Scheel, and Scott Morgan.

Elected and appointed officials present: Carter Fisher, City Attorney; Lori L. Miller, City Clerk; and Todd Zilincik, City Engineer.

Councilmember Toy led the meeting with the Pledge of Allegiance.

14. REQUEST TO WAIVE THE FORMAL BIDDING PROCESS AND APPROVE THE 2025 CONCRETE ROAD MAINTENANCE/SELECTIVE SLAB PROGRAM BY EXTENDING THE CONTRACT 24-J UNIT PRICES WITH GREAT LAKES CONTRACTING SOLUTIONS, LLC: Engineering Division, re: for Contract 25-J in the amount of \$845,865.50 from budgeted funds. (CR 96-23 and CR 73-24)

Todd Zilincik, City Engineer, presented the item to Council. Mr. Zilincik stated the Engineering Department keeps a running list of areas of concern, including in front of residences, but this year's list includes 25 locations and approximately 23 trees to be removed, as well as work that needs to be completed along Schoolcraft Road. Mr. Zilincik stated the rates being extended from Great Lakes Contracting Solutions are from the 2024 contract and therefore there would be no benefit to sending the contract out to bid. Mr. Zilincik stated we have an established relationship with this vendor who does an excellent job for the City, so the request is to award the 2025 Concrete Road Maintenance/Selective Slab Program contract (Contract 25-J) to Great Lakes Contracting.

DIRECTION:

APPROVING

CONSENT



LETTER TO THE LIVONIA CITY COUNCIL

14.

Engineering
January 30, 2025

MEETING DATE

S021025/R022425

PRESENTED BY

Todd Zilincik, P.E., City Engineer

AGENDA ITEM

REQUEST TO WAIVE THE FORMAL BIDDING PROCESS AND APPROVE THE 2025 CONCRETE ROAD MAINTENANCE/SELECTIVE SLAB PROGRAM BY EXTENDING THE CONTRACT 24-J UNIT PRICES WITH GREAT LAKES CONTRACTING SOLUTIONS, LLC: Engineering Division, re: for Contract 25-J in the amount of \$845,865.50 from budgeted funds. (CR 96-23 and CR 73-24)

BACKGROUND DETAILS

The Department of Public Works has established a road maintenance program, that consists of concentrated road repair as well as the replacement of isolated sections of damaged concrete roadway.

The Engineering Division coordinated with Anderson, Eckstein & Westrick, Inc. (AEW) which finalized the plans and specifications for 23-J. Bids for the subject project were taken on February 14, 2023. In response to the advertisement on Michigan Inter-Governmental Trade Network (MITN), four (4) bids were submitted.

Great Lakes Contracting Solutions, LLC (GLCS) was the lowest qualified bidder and awarded the Contract 23-J (CR# 96-23) and extended unit prices for Contract 24-J (CR# 73-24). GLCS has agreed to the unit prices extension for the 2025 Concrete Road Maintenance/Selective Slab Program, Contract 25-J and agreed upon 60 inspector days. The inspector days will be included as part of the construction engineering (CE) cost.

GLCS are familiar with our standard specifications along with expectations. Their performance has been exceptional in the previous 4 years. AEW is familiar with their prior work and recommending awarding the contract to this contractor (see attached letter dated January 29, 2025) for the 2025 Concrete Road Maintenance/Selective Slab Program, Contract 25-J.

This year the program consists of twenty-five (25) miscellaneous street segments throughout the City, along with work along Schoolcraft Road.

20 trees removals are anticipated for this year's program. The tree removals are necessary to perform these street repairs to improve the drainage and repair damaged heaved concrete streets that may damage plows during winter snow removal.

We are recommending that AEW provide the Construction Engineering Services (CE) for this

project that includes testing, inspection and assistance in contract administration. We will be submitting that recommendation to Council for your review and approval in a separate letter.

In order to proceed with this project, we respectfully recommend that the Council take the following actions:

- Waive the formal bidding process under Section 3.04.140.E.3 of the Livonia Code of Ordinances, as amended, since no advantage to the City would result from competitive bidding.
- Award a contract in the amount of \$845,865.50 to Great Lakes Contracting Solutions, LLC, 2300 Edinburgh, Waterford, MI 48328. The award should be on the basis of the bid unit prices, said amount to be adjusted based upon the quantities of work actually completed.
- Authorize an expenditure from budgeted funds of \$845,865.50 from Account No. 204-463-818-119 (Contractual Service – Paving and Catch Repair).
- Authorize the City Engineer to approve minor adjustments in the work, as required.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

In order to proceed with this project, we respectfully recommend that the Council take the following actions:

- Waive the formal bidding process under Section 3.04.140.E.3 of the Livonia Code of Ordinances, as amended, since no advantage to the City would result from competitive bidding.
- Award a contract in the amount of \$845,865.50 to Great Lakes Contracting Solutions, LLC, 2300 Edinburgh, Waterford, MI 48328. The award should be on the basis of the bid unit prices, said amount to be adjusted based upon the quantities of work actually completed.
- Authorize an expenditure from budgeted funds of \$845,865.50 from Account No. 204-463-818-119 (Contractual Service – Paving and Catch Repair).
- Authorize the City Engineer to approve minor adjustments in the work, as required.

SPECIFIC NAME OF PRODUCT AND NUMBER TO BE PURCHASED (if more than one)

n/a

CONTRACT: Amount and/or purchase price and length of contract (with dates if applicable)

\$845,865.50

DETAILED WORK BEING PERFORMED

2025 Concrete Road Maintenance/Selective Slab Program

FISCAL CONSIDERATIONS (Amount requested and Account(s) used. If applicable, Grant Funding information)

\$845,865.50 from Account No. 204-463-818-119 (Contractual Service - Paving and Catch Repair)

ACCEPTANCE OF BID (Please detail the following: Why accepted, why not lowest bidder, company name, contact person, full address)

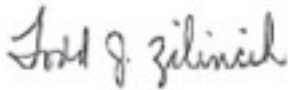
n/a

REASON TO WAIVE BID PROCESS (Emergency, Professional services, No advantage to City and why, Consortium package, etc): Waive the formal bidding process under Section 3.04.140.E.3 of the Livonia Code of Ordinances, as amended, since no advantage to the City would result from competitive bidding.

ATTACHMENTS

1. AEW Great Lakes Recommendation for 25-J
2. Bid Form for 25-J
3. CR 96-23
4. CR# 073-24 S.L 24-J Great Lakes

APPROVED BY



Todd Zilincik, P.E., City Engineer

Date: January 30, 2025



Don Rohraff, Director of Public Works

Date: January 30, 2025



Debra Peck Lichtenberg, CPA, Finance Director

Date: January 31, 2025



Carter Fisher, City Attorney

Date: January 31, 2025



Date: January 31, 2025

Maureen Miller Brosnan, Mayor



ANDERSON, ECKSTEIN & WESTRICK, INC.

CIVIL ENGINEERS - SURVEYORS - ARCHITECTS

Shelby Township - Roseville - Livonia

586.726.1234 | www.aewinc.com

January 29, 2025

Todd Zilincik, P.E., City Engineer
City of Livonia
12973 Farmington Road
Livonia, Michigan 48150

Reference: Extension of 2024 Concrete Road Maintenance Program (24-J)
2025 Concrete Road Maintenance Program (25-J)
AEW Project No. 0263-0041

Dear Mr. Zilincik:

We understand Great Lakes Contracting Solutions has requested to extend their 2024 contract unit prices for the proposed 2025 Concrete Road Maintenance Program.

Our office has bid programs of similar size and Great Lakes Contracting Solution's prices are below prices for similar projects in nearby communities.

We have worked with Great Lakes Contracting Solutions multiple times in Livonia as well as many neighboring communities and are satisfied with their past performance. We do not believe any benefit will accrue to the City by seeking further competitive bids. Therefore, we recommend the city award a contract extension for the 2025 Concrete Road Maintenance Program (25-J) to Great Lakes Contracting Solutions.

If you have any questions or need additional information, please advise.

Sincerely,

Anderson, Eckstein and Westrick, Inc.

Scott Lockwood, PE

cc: Don Rohraff, Director of Public Services

M:\0263\0263-0041\Project Mgmt\Correspondence\Drafts\recaward for unit price extension.docx

BID FORM

CITY OF LIVONIA

2025 CONCRETE ROAD REPAIR PROGRAM

CONTRACT 25-J

MAINTENANCE

AEW Project No. 0263-0041

BID SUBMITTED BY: GREAT LAKES CONTRACTING SOLUTIONS, LLC
Company Name

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ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

***City Clerk
City of Livonia
33000 Civic Center Drive
Livonia, Michigan 48154***

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 120 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

<u>Addendum No.</u>	<u>Addendum, Date</u>
_____	_____
_____	_____
_____	_____
_____	_____

B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.

D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site, if any, and all drawings of physical conditions relating to existing surface or subsurface structures at the Site, if any, that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if

any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.

- E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.
- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.
- K. Bidder is aware that the Owner's decision to proceed with the Project is subject to Owner's determination that all legal, financial and grant approvals, conditions and requirements have been received or met and the funding necessary to complete the project is in hand, and that if all of the foregoing has not been received, the Owner may elect not to proceed with the project in which case no bidder shall have a claim of any kind in contract, tort, equity or otherwise, against the Owner.
- L. Bidders acknowledge that Owner retains the unrestricted right not to proceed with the project and to reject all Bids received. In either case, Owner shall not be liable to any Bidder under any theory including contract, tort, equity or otherwise.
- M. Bidder acknowledges that the unexpected presence and location of existing underground utilities and resulting conflicts with such utilities are ordinarily encountered and generally recognized as inherent in subsurface sewer and appurtenant work in areas that have been previously developed.

ARTICLE 4 – BIDDER’S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. “corrupt practice” means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
 - 2. “fraudulent practice” means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 - 3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
 - 4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

- 5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s): (SEE NEXT PAGE):

**CITY OF LIVONIA
2025 CONCRETE ROAD REPAIR PROGRAM
CONTRACT 25-J
MAINTENANCE
AEW PROJECT NO. 0263-0041**

<u>Item No.</u>	<u>Description</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Bid Unit Price</u>	<u>Bid Price</u>
GENERAL					
1.	_ Audio Visual Record of Construction Area	1	LS	\$ 6,400.00	\$ 6,400.00
2.	_ Reimbursed Permit Fees	1,500	Dlr	1.00	1,500.00
3.	Mobilization	1	LS	68,500.00	68,500.00
4.	_ Stump and Root Rem and Regrade, 6 to 18 inch	3	Ea	980.00	2,940.00
5.	_ Stump and Root Rem and Regrade, 19 to 36 inch	15	Ea	1,000.00	15,000.00
6.	_ Stump and Root Rem and Regrade, 37 inch or larger	2	Ea	1,200.00	2,400.00
7.	_ Tree Root, Grind	5	Ea	350.00	1,750.00
8.	_ Tree, Rem, 6 inch to 18 inch, Modified	3	Ea	450.00	1,350.00
9.	_ Tree, Rem, 19 inch to 36 inch, Modified	15	Ea	1,050.00	15,750.00
10.	_ Tree, Rem, 37 inch or Larger, Modified	2	Ea	1,975.00	3,950.00
11.	Maintenance Gravel	50	Ton	32.00	1,600.00
12.	_ Geogrid	50	Syd	4.50	225.00
13.	HMA Surface, Rem	30	Syd	9.50	285.00
14.	HMA, 13A	10	Ton	325.00	3,250.00
15.	Non-Chloride Accelerator	25	Gal	15.00	375.00
16.	Post, Mailbox	1	Ea	350.00	350.00
17.	_ Surface Restoration, Hydroseeding	100	Syd	18.00	1,800.00
18.	_ Surface Restoration, Sodding	100	Syd	12.00	1,200.00
19.	Monument Preservation	2	Ea	2,500.00	5,000.00
MAINTENANCE					
20.	Sidewalk, Rem	125	Syd	\$ 10.75	\$ 1,343.75
21.	_ Driveway, Rem	200	Syd	10.50	2,100.00

CITY OF LIVONIA
2025 CONCRETE ROAD REPAIR PROGRAM
CONTRACT 25-J
MAINTENANCE
AEW PROJECT NO. 0263-0041

<u>Item No.</u>	<u>Description</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Bid Unit Price</u>	<u>Bid Price</u>
22.	_ Subgrade Undercutting, Type II, Modified	95	Cyd	\$ 55.00	\$ 5,225.00
23.	_ Subgrade Undercutting, Type II, Special	71	Cyd	57.00	4,047.00
24.	_ Erosion Control, Inlet Protection, Siltsack	17	Ea	150.00	2,550.00
25.	_ Aggregate Base, 6 inch, Modified	560	Syd	16.50	9,240.00
26.	Dr Structure Cover, Adj, Case 2	13	Ea	390.00	5,070.00
27.	Dr Structure, Adj, Add Depth	6	Ft	250.00	1,500.00
28.	Dr Structure, Tap, 6 inch	18	Ea	175.00	3,150.00
29.	_ Dr Structure Cover, Catch Basin	6	Ea	575.00	3,450.00
30.	_ Dr Structure Cover, Sanitary Manhole	1	Ea	700.00	700.00
31.	_ Dr Structure Cover, Storm Manhole	1	Ea	625.00	625.00
32.	_ External Structure Wrap, 18 inch	2	Ea	525.00	1,050.00
33.	_ Underdrain, Subgrade, 6 inch, Modified	555	Ft	18.75	10,406.25
34.	Joint, Contraction, Cp	2,150	Ft	16.20	34,830.00
35.	Joint, Expansion, E2	30	Ft	25.00	750.00
36.	Joint, Expansion, E3	40	Ft	8.60	344.00
37.	Joint, Contraction, Crg	485	Ft	17.30	8,390.50
38.	_ Joint, Expansion, Erg, Modified	30	Ft	15.65	469.50
39.	Lane Tie, Epoxy Anchored	3,860	Ea	7.25	27,985.00
40.	Pavt Repr, Nonreinf Conc, 7 inch	2,760	Syd	56.65	156,354.00
40A.	Pavt Repr, Nonreinf Conc, 8 inch	50	Syd	65.00	3,250.00
41.	Pavt Repr, Nonreinf Conc, 9 inch	3,750	Syd	66.25	248,437.50
42.	Pavt Repr, Rem	6,500	Syd	14.50	94,250.00
43.	Driveway, Nonreinf Conc, 6 inch	100	Syd	54.25	5,425.00
43A.	Driveway, Nonreinf Conc, 8 inch	100	Syd	65.00	6,500.00
44.	Curb Ramp, Conc, 4 inch	810	Sft	7.00	5,670.00
45.	Curb Ramp, Conc, 6 inch	350	Sft	8.30	2,905.00

**CITY OF LIVONIA
2025 CONCRETE ROAD REPAIR PROGRAM
CONTRACT 25-J
MAINTENANCE
AEW PROJECT NO. 0263-0041**

<u>Item No.</u>	<u>Description</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Bid Unit Price</u>	<u>Bid Price</u>
46.	_ Detectable Warning Surface, Modified	5	Ft	\$ 50.00	\$ 250.00
47.	Sign, Type B, Temp, Prismatic, Furn	150	Sft	25.40	3,810.00
48.	Sign, Type B, Temp, Prismatic, Oper	150	Sft	0.01	1.50
49.	_ Sign, Type B, Temp, Prismatic, Special, Fun, Modified	150	Sft	25.40	3,810.00
50.	_ Sign, Type B, Temp, Prismatic, Special, Oper, Modified	150	Sft	0.01	1.50
51.	_ Traffic Control, Major Street	1	Ea	3,800.00	3,800.00
52.	_ Traffic Control, Minor Street	1	Ea	2,200.00	2,200.00
53.	_ Traffic Control, Miscellaneous Location	25	Ea	500.00	12,500.00
54.	Water, Sodding/Seeding	150	Unit	69.50	10,425.00
55.	_ Surface Restoration, Seeding	1,700	Syd	14.00	23,800.00
56.	_ Irrigation Pipe	370	Ft	7.50	2,775.00
57.	_ Sprinkler Head	40	Ea	65.00	2,600.00
58.	_ Sprinkler Head, Adj	10	Ea	25.00	250.00
TOTAL OF ALL BID PRICES					\$ 845,865.50
Crew Days (60 Days Min.)	60	Days	\$	750.00	\$ 45,000.00
TOTAL OF ALL BID PRICES, INCLUDING CREW DAYS					\$ 890,865.50

Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and Final Payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete on or before August 30, 2025 and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General conditions on or before September 13, 2025.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
 - A. None.

ARTICLE 8 – DEFINED TERMS

- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

BIDDER: *[Indicate correct name of bidding entity]*

GREAT LAKES CONTRACTING SOLUTIONS, LLC

By: *[Signature]*

[Printed name] PHILIP A. SAKALIAN, MEMBER

(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)

Title: MEMBER

Attest: *[Signature]*

[Printed name] SANDRA F. MULVIHILL

Submittal Date: JANUARY 29, 2025

Address for giving notices: 2300 EDINBURGH, WATERFORD, MICHIGAN 48328

Telephone Number: 248-838-8699

Fax Number: 313-962-0404

Contact Name and e-mail address: Tom Wall - tom@greatlakescont.com

Bidder's License No.:

(where applicable)

#096-23 RESOLVED, that having considered the report and recommendation of the City Engineer, dated February 15, 2023, which bears the signatures of the Director of Finance, the Director of Public Works and the City Attorney, and is approved for submission by the Mayor, the Council does hereby accept the unit price bid of Great Lakes Contracting Solutions, LLC, 2300 Edinburgh, Waterford, MI 48328 for performing all work required in connection with the 2023 Concrete Road Maintenance/Selective Slab Program (Contract 23-J) on various concrete streets throughout the City of Livonia, at the unit prices bid for the estimated total cost of \$1,601,803.67, based upon the Engineering Division's estimate of units involved, and subject to a final payment based upon the actual units completed in accordance with the unit prices accepted herein, said estimated cost and unit prices having been in fact the lowest bid received for this item and meets all specifications; FURTHER, the Council does hereby authorize an expenditure in an amount not to exceed \$1,601,803.67 for the 2023 Concrete Road Maintenance/Selective Slab Program (Contract 23-J) from funds budgeted in Account No. 204-463-818-114 (Road, Sidewalk and Tree Fund – Maintenance) for this purpose; and the City Engineer is hereby authorized to approve minor adjustments in the work as it becomes necessary but this authorization does not entitle the City Engineer to authorize any increase in the not to exceed amount or to contract with other parties; and the Mayor and City Clerk are hereby authorized for and on behalf of the City of Livonia to execute a contract with the aforesaid company, approved as to form and substance by the Department of Law, and to do all other things necessary or incidental to the full performance of this resolution.

LORI L. MILLER
CITY CLERK

DORIS E. DeMARCO
DEPUTY CITY CLERK

OFFICE OF THE CITY CLERK



33000 CIVIC CENTER DRIVE
LIVONIA, MICHIGAN 48154-3097
(734) 466-2230
FAX: (734) 421-1147

March 12, 2024

Great Lakes Contracting Solutions, LLC
2300 Edinburgh
Waterford, MI 48328

To whom it may concern:

The Council of the City of Livonia, at a Regular Meeting held February 28, 2024, adopted the following resolution:

#073-24 RESOLVED, that having considered the report and recommendation of the City Engineer, dated February 1, 2024, which bears the signatures of the Director of Finance, the Director of Public Works and the City Attorney, and is approved for submission by the Mayor, the Council does hereby accept the unit price bid of Great Lakes Contracting Solutions, LLC, 2300 Edinburgh, Waterford, MI 48328 for performing all work required in connection with the 2024 Concrete Road Maintenance/Selective Slab Program (Contract 24-J) on various concrete streets throughout the City of Livonia, by extending their Contract 23-J bid unit prices, with the exception of revised unit prices for bid item number 3 mobilization, the newly added item numbers 40A for pavement repair, nonreinforced concrete, 7-inch and 43A for driveway, nonreinforced concrete, 8-inch and the agreed upon 60 Inspector Days based on the recommendation of Anderson, Eckstein and Westrick, Inc. ("AEW"), said amount to be adjusted based upon the quantities of work actually completed for the estimated total cost of \$1,626,472.54, based upon the Engineering Division's estimate of units Involved, and subject to a final payment based upon the actual units completed in accordance with the unit prices accepted herein; FURTHER, the Council does hereby authorize an expenditure in an amount not to exceed \$1,626,472.54 for the 2024 Concrete Road Maintenance/Selective Slab Program (Contract 24-J) from funds budgeted in Account No. 204-463-818-119 (Contractual Service – Paving and Catch Repair) for this purpose; and the City Engineer is hereby authorized to approve minor adjustments in the work as it becomes necessary but this authorization does not entitle the City Engineer to authorize any increase in the not to exceed amount or to contract with other parties; FURTHER, such action is taken without competitive bidding for the reason that Great Lakes Contracting Solutions,

LLC has shown itself to be the most competitive market participant by, among other things, honoring their 2023 pricing, such that the City would receive no advantage from competitive bidding per Code of Ordinances Section 3.04.140.E.3; and the Mayor and City Clerk are hereby authorized for and on behalf of the City of Livonia to execute a contract with the aforesaid company, approved as to form and substance by the Department of Law, and to do all other things necessary or incidental to the full performance of this resolution.

Very truly yours,

Lori L. Miller

City Clerk

LLM/ljr

Xc: Engineering

**CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD FEBRUARY 10, 2025**

Meeting was called to order at 9:05 p.m. by Council President McCullough. Present: Laura Toy, Rob Donovic, Carrie Budzinski, and President McCullough. Absent: Vice President Ptashnik, Lynda Scheel, and Scott Morgan.

Elected and appointed officials present: Carter Fisher, City Attorney; Lori L. Miller, City Clerk; and Todd Zilincik, City Engineer.

Councilmember Toy led the meeting with the Pledge of Allegiance.

15. REQUEST TO AMEND THE CONTRACT WITH ANDERSON, ECKSTEIN AND WESTRICK, INC. FOR CONSTRUCTION ENGINEERING SERVICES FOR THE 2025 CONCRETE ROAD MAINTENANCE/SELECTIVE SLAB PROGRAM, (CONTRACT 25-J): Engineering Division, re: same. (CR 336-21)

Todd Zilincik, City Engineer, presented the item to Council. Mr. Zilincik stated Anderson, Eckstein and Westrick (AEW) and the City have a longtime history working together. This will allow them to do some concrete testing to make sure everything meets with our requirements. The contract amendment requested is for the construction engineering services related to the 2025 Concrete Road Maintenance/Selective Slab Program (Contract 25-J).

DIRECTION:

APPROVING

CONSENT



LETTER TO THE LIVONIA CITY COUNCIL

15.

Engineering
January 30, 2025

MEETING DATE

S021025/R022425

PRESENTED BY

Todd Zilincik, P.E., City Engineer

AGENDA ITEM

REQUEST TO AMEND THE CONTRACT WITH ANDERSON, ECKSTEIN AND WESTRICK, INC. FOR CONSTRUCTION ENGINEERING SERVICES FOR THE 2025 CONCRETE ROAD MAINTENANCE/SELECTIVE SLAB PROGRAM, (CONTRACT 25-J): Engineering Division, re: same. (CR 336-21)

BACKGROUND DETAILS

The City Council approved Qualification Based Selection (QBS) firms pursuant to Council Resolution No. 336-21, adopted November 22, 2021 to perform all professional engineering services on various federal, state and locally funded projects through fiscal year 2026. Under this procedure, we are recommending that Anderson, Eckstein and Westrick, Inc. (AEW) continue as our consultant for the 2025 Concrete Road Maintenance/Selective Slab Program. See the attached letter dated January 29, 2025 from AEW for the construction engineering services.

The estimated construction costs in the amount of \$845,865.50 for the 2025 Concrete Road Maintenance/Selective Slab Program, which forms the basis for the Engineering contract, is shown on the attached sheet.

In order to proceed with these projects, it is respectfully recommended that the Council take the following actions:

- Authorize the Mayor and the City Clerk to execute an amendment to the Engineering contract with Anderson, Eckstein and Westrick, Inc., 51301 Schoenherr Road, Shelby Township, Michigan 48315 in the amount of \$105,733 for Construction Engineering for the 2025 Concrete Road Maintenance/Selective Slab Program. These amounts are based on construction cost estimates and may be adjusted based on final quantities constructed.
- Authorize an expenditure in the amount of \$105,733 from budgeted funds in the Road, Sidewalk and Tree Fund, Account Number 204-447-818-102.
- Authorize the City Engineer to approve minor adjustments in the work, as required.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to

be used in lieu of the recommendation)

In order to proceed with these projects, it is respectfully recommended that the Council take the following actions:

- Authorize the Mayor and the City Clerk to execute an amendment to the Engineering contract with Anderson, Eckstein and Westrick, Inc., 51301 Schoenherr Road, Shelby Township, Michigan 48315 in the amount of \$105,733 for Construction Engineering for the 2025 Concrete Road Maintenance/Selective Slab Program. These amounts are based on construction cost estimates and may be adjusted based on final quantities constructed.
- Authorize an expenditure in the amount of \$105,733 from budgeted funds in the Road, Sidewalk and Tree Fund, Account Number 204-447-818-102.
- Authorize the City Engineer to approve minor adjustments in the work, as required.

SPECIFIC NAME OF PRODUCT AND NUMBER TO BE PURCHASED (if more than one)

n/a

CONTRACT: Amount and/or purchase price and length of contract (with dates if applicable)

\$105,733

DETAILED WORK BEING PERFORMED

Construction Engineering for the 2025 Concrete Maintenance/Selective Slab Program

FISCAL CONSIDERATIONS (Amount requested and Account(s) used. If applicable, Grant Funding information)

\$105,733 from Account No. 204-447-818-102

ACCEPTANCE OF BID (Please detail the following: Why accepted, why not lowest bidder, company name, contact person, full address)

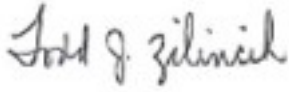
n/a

REASON TO WAIVE BID PROCESS (Emergency, Professional services, No advantage to City and why, Consortium package, etc): Qualification Based Selection (QBS) Firm

ATTACHMENTS

1. AEW CE Livonia 2025 Concrete Program 25-J Maintenance Construction Engineering CvrLtr
2. Exhibit A for QBS AEW CE for Contract 25-J
3. CR 336-21

APPROVED BY



Todd Zilincik, P.E., City Engineer

Date: January 30, 2025



Don Rohraff, Director of Public Works

Date: January 30, 2025



Debra Peck Lichtenberg, CPA, Finance Director

Date: January 31, 2025



Carter Fisher, City Attorney

Date: January 31, 2025



Maureen Miller Brosnan, Mayor

Date: January 31, 2025



ANDERSON, ECKSTEIN & WESTRICK, INC.
CIVIL ENGINEERS - SURVEYORS - ARCHITECTS

Shelby Township - Roseville - Livonia
586.726.1234 | www.aewinc.com

January 29, 2025

Todd Zilincik, P.E.
City Engineer
City of Livonia
12973 Farmington Road
Livonia, Michigan 48150

Reference: Proposal for Professional Services- Construction Engineering

2025 Concrete Road Repair Program: 25-J Maintenance
City of Livonia

Dear Mr. Zilincik:

Thank you for considering our firm to provide engineering services on the project referenced above. The enclosed Exhibit A, "Project Specific Scope of Services, Project Schedule, Payments to Consultant," has been prepared for this project in accordance with the Professional Services Contract between the City of Livonia and Anderson, Eckstein and Westrick, Inc. Please let us know if you have any questions regarding the enclosed exhibit.

Thank you for considering our firm for continued participation of this very successful Road Program.

Sincerely,

Anderson, Eckstein and Westrick, Inc.

Scott Lockwood, Exec. Vice President

EXHIBIT A

PROJECT SPECIFIC SCOPE OF SERVICES, PROJECT SCHEDULE, PAYMENTS TO CONSULTANT

The information contained in this Exhibit applies only to the following project:

Project Title: **2025 Concrete Road Repair Program, Construction
Engineering Services for Contract 25-J**

This is an exhibit to the contract dated November 22, 2021 pursuant to Council Resolution No. 336-21 between the City of Livonia, and Anderson, Eckstein, and Westrick, Inc. (AEW), whose address is 51301 Schoenherr, Shelby Twp., Michigan 48315.

This Exhibit acts as a duly executed written instrument that amends, supplements, modifies, or cancels certain portions of the contract, as provided in Article 8.01 of the contract.

A. SCOPE OF SERVICES, INCLUDING MATERIAL QUALITY CONTROL PROGRAM

The CONSULTANT is requested to provide construction engineering services for the 2025 Concrete Road Program for maintenance and selective slab work. The roads to be included in the program are as follows:

Planned Preventative Maintenance:

Street	From	To
WB Schoolcraft Rd	#36000 Schoolcraft Rd	Levan Rd
WB Schoolcraft Rd	Farmington Rd	Stark Rd
EB Schoolcraft Rd	Farmington Rd	Merriman Rd
EB Schoolcraft Rd	Yale Ave	Farmington Rd
25 Miscellaneous Locations	DPW Roads Selected Locations	

SCOPE OF CONSTRUCTION ENGINEERING SERVICES:

The Construction Engineering Services to be provided for this project shall include the following:

1. **Contract Administration Services** includes the preparation of monthly progress pay estimates, to be submitted to the CITY in accordance with an agreed upon pay estimate schedule. Pay estimates will be prepared by the CONSULTANT, based on the CONSULTANT's estimated and measured field quantities as recorded in the Construction Observer's Daily Reports. This service will also include assisting the CITY to resolve contractor project claims for extra compensation and contract document interpretation. The CONSULTANT will also review the Contractor's proposed project schedule, to monitor compliance with the approved contract documents. The CONSULTANT will prepare the final pay estimate and balancing change order and submit to the contractor along with a request closeout documents as outlined in the Contract Documents. The CONSULTANT will review the partially executed final pay estimate and balancing change order as well as all final closeout

documents prior to forwarding to the CITY for execution. Complaint resolution services are included as part of this task, and will include the preparation of a complaint log with the issue followed to disposition in the best interest of the CITY.

2. **Construction Staking Services** provided during the construction phase shall consist of the required staking for line and elevation of specific contract items such as pavement replacement for long areas (over 400 feet) or total reconstruction, and curb and gutter replacement when over 400 feet in length or the entire pavement section on reconstruction projects. The existing pavement will be surveyed prior to total removal so that the high points and low points can be re-established and necessary corrections made to specific problem areas that were not properly draining. Staking will be at a minimum of 50-foot intervals and includes the top of curb grade only. Offsets will be discussed with the contractor.
3. **Construction Observation Services** shall consist of documenting the Contractor's work and progress. Construction Observer's Daily Reports will be prepared documenting pay item quantities and the general work progress of the day. The Construction Observer will also perform Quality Assurance checks of line and grade for compliance with the survey stakes. The on-site Construction Observer will compel the contractor to resolve citizen complaints on a daily basis, which may arise during the course of construction. The Construction Observer will also interact with the Contractor's on-site supervisory personnel. The CONSULTANT's Construction Observer will notify the Contractor and document when work is in non-compliance.
4. **Project Oversight** shall consist of supervision by the CONSULTANT's Project Manager or Construction Observation personnel. This service will include processing the review of shop drawings as required in the contract documents, and providing assistance for the resolution of construction issues, which may arise during the project construction phase of the project. These services also include providing recommendations to the CITY regarding construction claims for extra compensation from the Contractor. The CONSULTANT will negotiate and prepare change orders as required. The CONSULTANT will encourage the Contractor to provide prompt citizen complaint resolution, review of project progress for compliance with approved schedule and provide recommendations to the CITY for penalties and/or changes to the Contract.

The CONSULTANT will coordinate the efforts of the material testing sub-consultant and review materials testing reports to assure compliance with the contract documents and will provide appropriate recommendations to the CITY. The CONSULTANT will lead the preconstruction meeting and progress meetings. The CONSULTANT will review and draft resident notices to be hand delivered by the Contractor. The CONSULTANT will participate in other CITY initiated resident communication.

The CONSULTANT will attend up to four Public Informational Meetings with CITY Staff, to meet with residents to review the approved construction program and the approved traffic control program, and discuss the anticipated impacts.

B. PROJECT SCHEDULE:

Construction is anticipated to begin in mid April and completed by September 2025.

C. PAYMENTS TO CONSULTANTS

The CONSULTANT will be paid at the attached hourly rates with a not to exceed amount based on Attachment A, Engineering Fees by Construction Value and Type of Project. Fees are based on a construction amount of \$845,865.50. Fees shall not exceed \$105,733.00 without prior approval from City Council for Construction Engineering (CE).

In Witness Whereof, the City and Consultant, by an through their duly authorized officers and representatives, have executed this Contract.

In the Presence of:

CITY OF LIVONIA, a Michigan
Municipal Corporation

By: _____
Maureen Miller Brosnan, Mayor

By: _____
Lori L. Miller, City Clerk

In the Presence of:

Anderson, Eckstein and Westrick

By: _____
Scott P. Lockwood, P.E.

Ross T. Wilberding

Its: Executive Vice President

Approved:

Donald R. Rohraff
Director of Public Works

Approved:

Todd J. Zilincik, P.E.
City Engineer

Approved:

Debra Peck Lichtenberg
Director of Finance

Approved as to form:

Carter Fisher
Department of Law

Pursuant to Council Resolution:

No.: _____

Adopted on: _____

CITY OF LIVONIA 2025 CONCRETE PROGRAM

HOURLY CHARGE RATES

<u>EMPLOYEE CLASSIFICATION</u>	<u>HOURLY CHARGE RATE</u>
PRINCIPAL ENGINEER / SURVEYOR / ARCHITECT	\$ 191.40
SENIOR PROJECT ENGINEER / SURVEYOR / ARCHITECT	175.80
LICENSED ENGINEER / SURVEYOR / ARCHITECT	159.20
GRADUATE ENGINEER / SURVEYOR / ARCHITECT	131.40
TEAM LEADER	131.40
ENGINEERING AIDE III	108.90
ENGINEERING AIDE II	102.30
ENGINEERING AIDE I	95.40
ENGINEERING AIDE TRAINEE	81.70
SECRETARIAL (Special Projects)	51.70
SURVEY FIELD (3 PERSON CREW)	265.50
SURVEY FIELD (2 PERSON CREW)	231.50
SURVEY FIELD (1 PERSON CREW)	177.00
CONFINED SPACE ENTRY CREW (2 PERSON)	285.90
DATA COLLECTOR (SURVEY CREW)	35.40
GPS SURVEY EQUIPMENT	87.10

Regular Minutes of November 22, 2021

AND BE IT FURTHER RESOLVED THAT the street is an approved public street and is open for public purposes; and FURTHER, that said street is accepted into the City's local street system and is located within a right-of-way under the control of the City of Livonia and that said street was open to the public as of December 31, 2021.

#336-21 RESOLVED, that having considered the report and recommendation of the City Engineer, dated October 26, 2021, submitted pursuant to Council Resolution No. 365-16, which bears the signatures of the Director of Public Works, the Director of Finance and the City Attorney, and is approved for submission by the Mayor, requesting to extend the Qualification-Based Selection (QBS) contracts with OHM Advisors, Hubbell, Roth and Clark, Inc., Spalding Dedecker Associates, Inc. and Anderson, Eckstein and Westrick, Inc., for a period of five (5) years, for future proposals relating to professional engineering consulting services, the Council does hereby accept the proposal to extend the qualification based-selection (qbs) contracts with OHM Advisors, 34000 Plymouth Road, Livonia, MI 48150, Hubbell, Roth and Clark, Inc., 555 Hulet Drive, Bloomfield Hills, MI 48303-0824, Spalding Dedecker Associates, Inc., 905 South Boulevard East, Rochester Hills, MI 48307-5358, and Anderson, Eckstein and Westrick, Inc., 51301 Schoenherr Road, Shelby Township, MI 48315, for a five (5) year period ending November 30, 2026, to perform Professional Engineering Services on various Federal, State and Locally funded roads, bridges, storm sewers, sanitary sewers, water mains, traffic signal modernization and pedestrian signal upgrades and other related projects; FURTHER, the Mayor and City Clerk are hereby authorized to execute contracts for and on behalf of the City of Livonia with the aforesaid companies and to do all other things necessary or incidental to the full performance of this resolution; and all QBS contracts based on scope and contract amount for each future individual project will be brought before the City Council for funding approval.

#337-21 RESOLVED, that having considered the report and recommendation of the City Engineer, dated October 29, 2021, which bears the signatures of the Director of Public Works and the Director of Finance, and is approved for submission by the Mayor, the Council does hereby approve the proposed 2022 Road Repair Program as proposed by the Department of Public Works and as reviewed by the Citizens Advisory Committee on Roads for the tenth year of the ten-year road paving millage approved by Livonia residents, as shown in the attachment to that report.

#338-21 WHEREAS, the Mayor and City Council of the City of Livonia believe quality roads are a vital part of any community; and

WHEREAS, the City of Livonia has a Citizens Advisory Committee on Roads which identifies City streets most in need of repair in order to

**CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD FEBRUARY 10, 2025**

Meeting was called to order at 9:05 p.m. by Council President McCullough. Present: Laura Toy, Rob Donovic, Carrie Budzinski, and President McCullough. Absent: Vice President Ptashnik, Lynda Scheel, and Scott Morgan.

Elected and appointed officials present: Carter Fisher, City Attorney; Lori L. Miller, City Clerk; and Todd Zilincik, City Engineer.

Councilmember Toy led the meeting with the Pledge of Allegiance.

16. REQUEST TO APPROVE AN INTERGOVERNMENTAL AGREEMENT BETWEEN THE CHARTER COUNTY OF WAYNE AND THE CITY OF LIVONIA: Engineering Division, re: for the Five Mile Road and Levan Road Intersection Traffic Signal Modernization, with the proposed City's participation to be estimated at 50%, in the total amount of \$76,120, from budgeted funds.

Todd Zilincik, City Engineer, presented the item to Council. Mr. Zilincik stated the signal at the intersection of Five Mile and Levan has needed to be updated for quite some time. He thanked OHM for their help in preparing and negotiating the proposed Intergovernmental Agreement with Wayne County. Mr. Zilincik stated the Agreement is a partnership with Wayne County and outlines the City will only be responsible for 50% of the costs, a total for the City of \$76,120.00. Mr. Zilincik stated it will hopefully make this intersection safer to allow for left turns both east and westbound on Five Mile. Mr. Zilincik stated some funds were received from the Highway Improvement Safety Program and the remaining funds from our partnership with Wayne County.

Councilmember Donovic inquired about the total cost of a traffic signal, being more than \$400,000 and the City's total cost for this project would be \$76,120?

Mr. Zilincik concluded this was at a great savings to the City as the cost of engineering services and expense of providing a modernized traffic signal can cost more than \$400,000 in total.

DIRECTION:

APPROVING

CONSENT



LETTER TO THE LIVONIA CITY COUNCIL

16.

Engineering
January 30, 2025

MEETING DATE

S021025/R022425

PRESENTED BY

Todd Zilincik, P.E., City Engineer

AGENDA ITEM

REQUEST TO APPROVE AN INTERGOVERNMENTAL AGREEMENT BETWEEN THE CHARTER COUNTY OF WAYNE AND THE CITY OF LIVONIA: Engineering Division, re: for the Five Mile Road and Levan Road Intersection Traffic Signal Modernization, with the proposed City's participation to be estimated at 50%, in the total amount of \$76,120, from budgeted funds.

BACKGROUND DETAILS

The Engineering Division is in receipt of an Intergovernmental Agreement (IGA) dated December 18, 2024 between Wayne County and the City of Livonia for the Five Mile Road and Levan Road Intersection Traffic Signal Modernization. This project was awarded by Michigan Department of Transportation (MDOT) Local Agency Safety Program for FY 2025 Highway Safety Improvement Project Award with the assistance of OHM Advisors.

The total construction cost for the traffic signal modernization is estimated at \$353,058 and with Federal Aid amount of \$317,752, requiring a 10% match in the amount of \$35,306. The City of Livonia portion of the preliminary engineering, \$40,800 was authorized under Council Resolution No. 404-23. The design cost will be split equally between Wayne County and the City of Livonia at \$20,400 each. The 10% match amount for construction of \$35,306 will be split equally between Wayne County and the City of Livonia at \$17,653. Finally, the construction engineering costs estimated at \$76,134 will also be split equally between Wayne County and the City of Livonia in the amount of \$38,067. Thus, bringing the total cost of \$76,120 to be provided equally by Wayne County and City of Livonia and grand total of \$469,992 (\$317,724 total of Federal Aid, plus the share equally provided in the amount of \$76,120). See Exhibit A on page 12 for the Summary of Participation.

This project includes the traffic signal modernization on the Five Mile Road / Levan Road intersection including ADA ramps and all together with necessary related work.

The proposed agreement has been reviewed by the Engineering Division and has been reviewed as to form by the Department of Law. Based on the above information, we respectfully recommend that the City Council proceed as follows:

- Authorize the Mayor and the City Clerk to execute this agreement for and on behalf of the City of Livonia.
- Authorize an expenditure of \$55,720 from funds budgeted for 2025 in Account No. 202-463-818-

125 (Major Street Fund – City Participation in MDOT and County Projects). Note that the design amount of \$40,800 was approved per CR 404-23. The City is responsible for \$20,400 of the design costs and will invoice the remaining balance amount to Wayne County upon receipt of the executed IGA for 5 Mile and Levan Road Intersection Traffic Signal Modernization.

- Authorize the Finance Department to invoice Wayne County, Accounts Receivable, 500 Griswold 14th Floor, Detroit, MI 48226 for Work Order #47253, Five Mile and Levan Road Intersection Traffic Signal Modernization in various amounts for a total amount of \$76,120 as the project progresses forward. Upon receipt of the executed IGA back from Wayne County, the Finance Department shall invoice the amount of \$20,400 for the design portion at this intersection. The Engineering Department will then coordinate with the Finance Department on invoice(s) to be sent to Wayne County for the remaining balance.
- Authorize the City Engineer to approve minor adjustments in the work, as required.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

Based on the above information, we respectfully recommend that the City Council proceed as follows:

- Authorize the Mayor and the City Clerk to execute this agreement for and on behalf of the City of Livonia.
- Authorize an expenditure of \$55,720 from funds budgeted for 2025 in Account No. 202-463-818-125 (Major Street Fund – City Participation in MDOT and County Projects). Note that the design amount of \$40,800 was approved per CR 404-23. The City is responsible for \$20,400 of the design costs and will invoice the remaining balance amount to Wayne County upon receipt of the executed IGA for 5 Mile and Levan Road Intersection Traffic Signal Modernization.
- Authorize the Finance Department to invoice Wayne County, Accounts Receivable, 500 Griswold 14th Floor, Detroit, MI 48226 for Work Order #47253, Five Mile and Levan Road Intersection Traffic Signal Modernization in various amounts for a total amount of \$76,120 as the project progresses forward. Upon receipt of the executed IGA back from Wayne County, the Finance Department shall invoice the amount of \$20,400 for the design portion at this intersection. The Engineering Department will then coordinate with the Finance Department on invoice(s) to be sent to Wayne County for the remaining balance.
- Authorize the City Engineer to approve minor adjustments in the work, as required.

SPECIFIC NAME OF PRODUCT AND NUMBER TO BE PURCHASED (if more than one)

n/a

CONTRACT: Amount and/or purchase price and length of contract (with dates if applicable)

\$55,720 (of the project total of \$76,120, \$20,400 was approved with CR 404-23)

DETAILED WORK BEING PERFORMED

Five Mile Road and Levan Road Intersection Traffic Signal Modernization

FISCAL CONSIDERATIONS (Amount requested and Account(s) used. If applicable, Grant Funding information)

\$55,720 from Account No. 202-463-818-125

ACCEPTANCE OF BID (Please detail the following: Why accepted, why not lowest bidder, company name, contact person, full address)

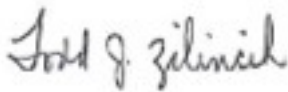
n/a

REASON TO WAIVE BID PROCESS (Emergency, Professional services, No advantage to City and why, Consortium package, etc): n/a

ATTACHMENTS

1. Letter from Wayne County Concerning the IGC for Five Mile and Levan Traffic Signal 12-18-2024-
2. IGA City of Livonia and Wayne County Traffic Signal Modernization Five Mile and Levan WO 47253 REVISED 12-12-24
3. FY 2025 Safety Award Letter- HSIP
4. CR 404-23

APPROVED BY



Todd Zilincik, P.E., City Engineer

Date: January 30, 2025



Don Rohraff, Director of Public Works

Date: January 30, 2025



Debra Peck Lichtenberg, CPA, Finance Director

Date: January 31, 2025

A handwritten signature in blue ink, appearing to read "Carter Fisher", written in a cursive style.

Carter Fisher, City Attorney

Date: January 31, 2025

A handwritten signature in black ink, appearing to read "Maureen Miller Brosnan", written in a cursive style.

Maureen Miller Brosnan, Mayor

Date: January 31, 2025



Public Services

December 18, 2024

Lori Miller, City Clerk
Todd Zilincik, P.E. City Engineer
33000 Civic Center Drive
City Hall, 1st Floor
Livonia, Michigan 48154

**RE: FIVE MILE AND LEVAN ROAD INTERSECTION TRAFFIC SIGNAL
MODERNIZATION.**

Dear Ms. Miller & Mr. Zilincik:

Attached is a cost sharing Intergovernmental Agreement (IGA) between the Charter County of Wayne and City of Livonia for Traffic Signal Modernization at Five Mile Rd and Levan Road intersection. If acceptable, please print three (3) copies, sign and return them with City Resolutions approving the Agreement. This Agreement will need to be approved by the Wayne County Commission and executed by the Wayne County Executive Office. An original fully executed Agreement will be sent to the City of Livonia when completed.

Should you have further questions, do not hesitate to contact me by phone at (313) 202-7266 or email conolemh@waynecounty.com

Sincerely,

Christopher Onolemhemen, P.E.
Senior Licensed Professional Engineer
Wayne County, DPS – Engineering Division
Transportation Planning Office

Enclosure: IGA
Cc: Sami Khaldi, Alan Ko

INTERGOVERNMENTAL AGREEMENT

between

THE COUNTY OF WAYNE

and

THE CITY OF LIVONIA

for

**Traffic Signal Modernization at
Five Mile / Levan Road Intersection**

Wayne County Work Order No. 47253

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INTRODUCTION

THIS AGREEMENT is made between the County of Wayne, Michigan, a body corporate and Charter county (hereinafter referred to as the “COUNTY”) and the City of Livonia, Michigan, a municipal corporation (hereafter referred to as the “CITY”).

This Agreement is made for the purpose of fixing the rights and obligations of the Parties with respect to the following Traffic Signal Modernization on Five Mile / Levan Road Intersection, (hereinafter referred to as the “Project”):

PROJECT DESCRIPTION

Traffic Signal Modernization on Five Mile / Levan Road Intersection including ADA sidewalk ramps and all together with necessary related work.

WHEREAS, Five Mile is under the jurisdiction and control of the COUNTY and is located within the CITY and Levan Road is under the jurisdiction and control of the CITY and is located within the CITY; and

WHEREAS, Act 51 of the Public Acts of 1951, as amended, authorizes counties to enter into contracts to perform work on any highway, road, or street within the limits of a county or adjacent thereto, and provides for the joint participation in the cost thereof; and

WHEREAS, the Project will significantly enhance the road system for the citizens of the COUNTY and CITY; and

WHEREAS, the Parties hereto have reached an understanding with each other regarding the performance of the Project and desire to set forth this understanding in the form of a written Agreement.

NOW THEREFORE, in consideration of the mutual understandings of the Parties in conformity with applicable law, it is agreed:

ARTICLE 1 DEFINITIONS

Wherever used in this Agreement, the following terms shall have the meanings indicated which shall be applicable to both the singular and plural thereof:

- 1.1 AGREEMENT – The written contract between COUNTY and the CITY regarding the Project.
- 1.2 AS-BUILTS (AS-BUILT DRAWINGS) – Reproducible Project construction drawings revised to show significant changes made during the construction process; usually based on marked-up prints, drawings, and other data.
- 1.3 BID – The offer or proposal of the Bidder submitted on the prescribed form setting forth the prices for the Project.
- 1.4 BIDDER – Any person, firm or corporation submitting a Bid for the Project.
- 1.5 BIDDING DOCUMENTS – The advertisement and invitation to Bid, including approved plans, specifications, addendum, and other documents issued on which the Bid is based.
- 1.6 BONDS – Bid, Performance and Payment Bonds and other instruments of security, furnished by the Contractor.
- 1.7 CHANGE ORDER – The written order of the CITY, or its duly authorized representative, for changes in or extras to a contract.
- 1.8 CONSTRUCTION ENGINEERING – All services necessary to adequately assure that the Project is being constructed in substantial conformance with the as Bid plans and specifications, together with any changes, extras, amendments, addendum, and/or bulletins. Services include, but are not limited to, contract administration, construction staking, construction inspection and/or consultant services. Costs include, but are not limited to, direct labor, equipment, and materials plus current CITY charges for the overhead, fringes, and benefits.
- 1.9 CONSTRUCTION WORK – All work performed to construct the Project in substantial conformance with the as Bid plans and specifications, together with any changes, extras, amendments, addendum, and/or bulletins. Work is to be performed by the responsive qualified low Bidder together with approved subcontractors, CITY forces, and/or the third parties that have a relevant interest in the Project. Costs include, but are not limited to, unit prices extended for actual quantities completed, lump sum work, force account work that includes, but is not limited to, direct labor, equipment, materials plus current CITY charges for costs directly associated with the Project construction.
- 1.10 ENGINEER – The City of Livonia Engineer or his duly appointed representative who is responsible for engineering supervision of preliminary engineering, construction engineering and/or quality control testing aspects of the Project.
- 1.11 PRELIMINARY ENGINEERING – All services necessary to adequately prepare plans and specifications for the Project, together with any changes, extras,

amendments, addendum, and/or bulletins. Preliminary Engineering services may include, but are not limited to, surveys, soil investigations, design, drafting, reviews, permits, and/or consultant services. Costs include, but are not limited to, direct labor, equipment, and materials plus current CITY charges for overhead, fringes, and benefits.

- 1.12 PROJECT COSTS – See Article 2.
- 1.13 QUALITY CONTROL TESTING – All services necessary to adequately assure that the Project materials are being supplied and/or installed in substantial conformance with the as Bid plans and specifications, together with any changes, extras, amendments, addendum, and/or bulletins. Services include, but are not limited to, sampling onsite, sampling at the source, onsite testing, laboratory testing and/or consultant services. Costs include, but are not limited to, direct labor, equipment, and materials together with the current appropriate CITY charges for overhead, fringes, and benefits.
- 1.14 WORKING CAPITAL ADVANCE – A non-interest bearing deposit by the COUNTY with the CITY, which will be used by the CITY for Project Costs.

ARTICLE 2 PROJECT COSTS

2.1 As herein used, the term “Project Costs”, shall include, but not be limited to, the cost of the Preliminary Engineering work, Construction Work, Construction Engineering, Quality Control Testing, and/or other miscellaneous work together with any costs associated with changes, Change Orders, extras, amendments, addenda, and/or bulletins.

ARTICLE 3 TERM OF CONTRACT

3.1 The effective date of this Agreement is upon approval of the Wayne County Commission and shall terminate on September 30, 2029 at 11:59 p.m.

ARTICLE 4 CITY’S RESPONSIBILITIES

4.1 The CITY shall have all Preliminary Engineering performed by a Civil Engineering firm licensed in the State of Michigan.

4.2 The CITY shall arrange with MDOT for the contract bidding, award of the contract and shall administer the contract.

4.3 The CITY shall have all Construction Engineering performed by a Civil Engineering firm licensed in the State of Michigan.

4.4 The CITY shall have the Quality Control Testing of all materials to be incorporated into the Project performed by a Civil Engineering firm licensed in the State of Michigan.

4.5 The CITY shall appoint an Engineer for the Construction Work for the Project.

4.6 During construction, Change Orders shall be submitted to the COUNTY for review and approval.

4.7 The CITY shall keep accurate records and accounts of the Project Costs that shall be accessible for inspection and audit by a representative of the COUNTY.

4.8 The CITY will provide all information for their utilities (i.e. As-Builts) and perform exposures of those utilities at their cost when required by the Engineer.

4.9 The CITY will be solely responsible for the removal and relocation, as required for the Project, of any of its municipal utilities located within the roadway right-of-way throughout the limits of the Project.

ARTICLE 5 WAYNE COUNTY'S RESPONSIBILITIES

5.1 The COUNTY shall appoint an Engineer for the Project.

5.2 The COUNTY shall attend plan review meetings.

5.3 The COUNTY shall review and approve the plans, specifications, pay items and Engineer's Estimate.

5.3 The COUNTY shall provide all information for its utilities (i.e. As-Builts).

ARTICLE 6 COST SHARING

6.1 The Parties hereto acknowledge that the Preliminary Engineering Costs are Forty Thousand Eight Hundred Dollars (\$40,800), the current estimated Construction Work costs are Three Hundred Ninety-Three Thousand Eight Hundred Fifty-Eight Dollars (\$393,858) and the Construction Engineering and Quality Control Testing costs are Thirty-Five Thousand Three Hundred Six Dollars (\$35,306), for a Total Project Costs of Four Hundred Sixty-Nine Thousand Nine Hundred Sixty-Four Dollars (\$469,964) as set forth in **Exhibit A**, which is based on estimated Project Costs.

6.2 The Parties hereto acknowledge that Project Costs will be partially funded by federal aid up to Three Hundred Seventeen Thousand Seven Hundred Twenty-Four Dollars (\$317,724) for Construction Work Costs only, approved by MDOT to the CITY and that the balance of the Construction Work Costs will be funded by the local share. Preliminary Engineering and Construction Engineering and Quality Control Testing are not eligible for federal aid and will be funded by the local share.

6.3 The COUNTY shall pay: 1) 50% of the local share of Preliminary Engineering cost; 2) 50% of the local share of Construction Work cost; 2) 50% of the local share of Construction Engineering and Quality Control Testing.

6.4 The CITY shall pay: 1) 50% of the local share of Preliminary Engineering cost; 1) 50% of the local share of Construction Work cost; 2) 50% of the local share of Construction Engineering and Quality Control Testing cost.

6.5 The Parties hereto acknowledge that the Bid for the construction costs may exceed the estimated project construction costs as set forth in this Agreement, and the Parties hereto agree to pay their respective portions of the actual Project Costs.

6.6 The parties hereto acknowledge that during construction Change Orders may be issued which will affect the final costs. The Parties hereto agree to accept the judgment of the Engineer as final.

ARTICLE 7 PAYMENT TERMS

7.1 The CITY shall invoice the COUNTY for the COUNTY'S participation amount (as found in **Exhibit A** to this Agreement) in the total Project Cost.

7.2 The COUNTY shall make payment of the invoice(s) within thirty (30) days of receipt of the invoice(s).

7.3 The final project costs will be used to adjust the monetary value of the CITY's and the COUNTY'S actual share of the Project Costs for the Project.

ARTICLE 8 WAIVER

8.1 The Parties agree that no provision in this Agreement constitutes or acts as a waiver of any governmental immunity the COUNTY, its agencies, officers, employees, agents, or elected officials enjoy under applicable statutory or common law.

ARTICLE 9 FORCE MAJEURE

9.1 It is mutually understood and agreed that neither of the parties hereto shall be held responsible for damages occasioned by delay or failure to perform where due to fire, strike, flood, acts of God, unavailability of labor, material, legal acts of public authorities, or delays caused by public carriers or third person (including contractors or subcontractors) which cannot reasonably be foreseen or provided against.

**ARTICLE 10
HOLD HARMLESS**

10.1 Each party to this Agreement shall remain responsible for any claims arising out of its own acts and/or omissions during the performance of this Agreement, as provided by law.

10.2 This Agreement is not intended to increase either party's liability for, or immunity from, tort claims.

10.3 This Agreement is not intended nor shall it be interpreted as giving either party hereto a right of indemnification, either by Agreement or at law, for claims arising out of the performance of this Agreement.

**ARTICLE 11
NOTICE**

11.1 Notification regarding anything in connection with this Agreement shall be sent in writing via first class mail to:

For the COUNTY:

Director of Engineering/County Highway Engineer
Wayne County Department of Public Services
400 Monroe Street, 3rd Floor
Detroit, MI 48226
Attn.: Sami Khaldi

For the CITY:

Maureen Miller Brosnan, Mayor
33000 Civic Center Drive
Livonia, MI 48154

**ARTICLE 12
TERMINATION**

12.1 The COUNTY may terminate this Agreement without cause at any time, without incurring any liability.

12.2 The CITY may terminate this Agreement without cause at any time, without incurring any liability not set forth in this Article 12, by giving written notice to the COUNTY of the termination. The notice must specify the effective date of termination at least 30 days prior to its occurrence, and this Agreement will terminate as if the date specified were the date originally given for the expiration of this Agreement. Termination of this Agreement by the CITY will not relieve the CITY of its share of the Project Costs incurred up to the date of termination of the Agreement.

12.3 Regardless of the cause for the termination of this Agreement, each party will assist the other in the orderly termination of this Agreement and will participate, in good faith, in all transfers connected with termination, whether of tangibles or intangibles, as will be necessary for the unimpeded continuation of each party's business.

ARTICLE 13

BINDING EFFECT/INTEGRATION

13.1 This Agreement, including the Exhibits hereto embodies the entire Agreement and understanding among the parties hereto and supersedes all prior agreements and understandings related to the subject matter thereof. No rights or remedies are or will be acquired by either party, orally, through implication or otherwise, unless set forth herein.

13.2 This Agreement may be executed in counterparts, each of which will be deemed an original but all of which together will constitute one agreement.

13.3 This Agreement is effective only upon approval of the Charter County of Wayne and the CITY as evidenced by the attached Resolutions adopted by the Livonia City Council and the Wayne County Commission, and fully executed by all parties including the Wayne County Chief Executive Officer.

SIGNATURES

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed the day and year written below.

SIGNED IN THE PRESENCE OF:

FOR COUNTY OF WAYNE

By: _____
Warren C. Evans
Its: Chief Executive Officer
Date: _____

FOR THE CITY OF LIVONIA

By: _____
Maureen Miller Brosnan
Its: Mayor
Date: _____

APPROVED AS TO FORM:
By: /s/Licia A. Yangouyian
DEPT OF CORPORATION COUNSEL
(12/12/24)

9/23/2024

EXHIBIT A
TS*Five Mile / Levan Intersection

Participation In Estimated PRELIMINARY ENGINEERING

Total Estimated CONSTRUCTION WORK Cost	40,800
Estimated Federal Aid (NOTE 1)	<u>0</u>
LOCAL SHARE (After Federal Aid)	40,800
LOCAL COMMUNITY Participation	
City of Livonia	20,400
COUNTY Participation	20,400

Participation In Estimated CONSTRUCTION WORK

Total Estimated CONSTRUCTION WORK Cost	393,858
Estimated Federal Aid (NOTE 1)	<u>317,724</u>
LOCAL SHARE (After Federal Aid)	76,134
LOCAL COMMUNITY Participation	
City of Livonia	38,067
COUNTY Participation	38,067

**Participation In Estimated CONSTRUCTION
ENGINEERING and QUALITY CONTROL TESTING**

Total Estimated CONSTRUCTION ENGINEERING and QUALITY CONTROL TESTING Cost	35,306
Estimated Federal Aid	<u>0</u>
LOCAL SHARE (After Federal Aid)	35,306
LOCAL COMMUNITY Participation	
City of Livonia	17,653
COUNTY Participation	17,653

SUMMARY OF COST PARTICIPATION

GRAND TOTAL ESTIMATED PROJECT COST	469,964
Estimated Federal Aid	<u>317,724</u>
LOCAL SHARE (After Federal Aid)	152,240
LOCAL COMMUNITY Participation	
City of Livonia	76,120
COUNTY Participation	76,120

**NOTE 1 : Federal Aid is Capped at \$317,724 for CONSTRUCTION WORK
Costs Only**



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF TRANSPORTATION
LANSING

BRADLEY C. WIEFERICH, P.E.
ACTING DIRECTOR

November 17, 2023

**MDOT Local Agency Safety Program:
Fiscal Year (FY) 2025 Highway Safety Improvement Program Awards**

The Michigan Department of Transportation (MDOT) is pleased to inform you that the attached projects have been approved for federal Highway Safety Improvement Program (HSIP) funding. All agencies were previously notified by email and approved projects are posted on MDOT's website at www.michigan.gov/mdotlap.

Please find all pertinent project details on the attached spreadsheet- including MDOT job number, project limits, project description, total project cost, federal/local split amounts, and approved preliminary engineering amounts (if applicable).

Please Note: Upon discussion and written approval, some agencies have elected to have their awarded projects programmed for FY 2024. The attached spreadsheet states which FY is applicable.

Unless otherwise approved in writing by MDOT at the time of obligation, the federally participating project costs are limited to the project costs submitted with the application and listed in the spreadsheet, plus the lesser of an increase of 20 percent or \$20,000 above the total project cost. If such an increase results in federal funds exceeding \$750,000, the federal funds will be capped at \$750,000.

Awarded preliminary engineering work will be funded with 50 percent federal funds and 50 percent local funds. The preliminary engineering has been programmed for FY 2024. No extra federal funds will be allowed for preliminary engineering work above the listed approved preliminary engineering amount. Preliminary engineering must have federal approval (obligation) before costs are eligible for reimbursement.

Construction engineering and right-of-way costs are not eligible for reimbursement. Nonparticipating construction items of work may be included in the overall project estimate but are not reimbursable for federal funding. Items such as decorative lighting, brick sidewalks, street pavers, or any items that are not safety related in nature are not eligible for federal aid. These items will be reviewed once the preliminary plans are developed.

Funds for these projects must be obligated in FY 2024 or FY 2025- as applicable. Federal funds cannot be obligated until the following steps have been completed (links to forms can be located at www.michigan.gov/mdotlap):

- Environmental/historical clearance (NEPA) is received and approved.
- The Program Application has been completed (Form 0260)
- GI meeting has been held
- Permits are obtained and included in the project package
- Right-of-way issues are cleared and approved
- A complete biddable package is submitted and accepted

MDOT has programmed the selected projects into JobNet for the area's Transportation Improvement Program (TIP). Local Agencies within Metropolitan Planning Organization (MPO) areas must coordinate with their MPO to ensure approval of their project in the TIP.

Provided MDOT has obligation authority remaining, federal funds will be obligated up through September 1 of the applicable FY. Therefore, to ensure funds are obligated prior to this date, **it is imperative that the project's final package is completed and submitted to MDOT by August 18 of the applicable FY.** Please note that a complete biddable package contains all permits, right-of-way, signed and sealed final plans and any pertinent specifications or special provisions.

Once posted, the Local Agency Programs FY 2025 Project Planning Guide can be accessed at www.michigan.gov/mdotlap and contains the milestone dates required for a GI submittal to obligate your project for the FY (the guide for FY 2024 is currently posted). If your local agency wishes to obligate and construct your project prior to the FY for which it was selected, they may do so by utilizing the advance construct process. The Local Agency is responsible for ensuring the project is listed in the (S)TIP for both FYs (the year obligated, and the year federal funds are converted).

Every effort has been given to maintain a fiscally constrained program and maximize the use of limited available funds. Projects will be handled on a first come, first served basis, so please make every effort to stay on the schedule outlined in the Project Planning Guide.

Funding for any FY 2024 or FY 2025 project not obligated by the end of the assigned FY will be rescinded unless it receives written approval from the LAP Safety Engineer to be carried over to another FY. Any local agency that fails to obligate a project in the assigned FY will be scored significantly lower on subsequent project submittals for two years.

Any changes in the scope of work or significant changes in project cost which cannot be justified will be denied. Any scope of work or limit changes must be approved in writing by the LAP Safety Engineer.

Please send the programming application form, NEPA form, GI package and final plans electronically to MDOT-DesignLAP-Safety@Michigan.gov and Landon Johnson JohnsonL26@Michigan.gov.

If you have any questions, please contact Ryan Doyle, LAP Road Team Leader, at DoyleR3@Michigan.gov or 989-220-9447.

Sincerely,

A handwritten signature in black ink that reads "Ryan P. Doyle". The signature is written in a cursive, flowing style.

Ryan Doyle, Road Team Leader
Local Agency Programs

FY Programmed	Job Number	CS	Lead Agency	Project Limits	Project Description	Construction			Prel. Engineering	
						Project Total	Federal	Local	Federal	Local
2025	220102	39000	City of Kalamazoo	1. Park at Maple, 2. Park at Balch/Crosstown, 3. Park at Vine, 4. Park at Dutton, 5. Park at Walnut, 6. Park at Lovell, 7. Park at South, 8. King Highway at Gibson	Safety Improvements for VRU - RRFB's, special emphasis pavement markings, ADA ramp improvements, bulbouts/bumpouts, and pedestrian refuge islands.	\$ 293,557	\$264,201	\$ 29,356		
2025	220113	82000	City of Detroit	1. Alter at Kercheval 2. Arnold at Lonyo 3. Forest at Grand Blvd 4. McGraw at Trenton 5. Morang at Roxbury	Signal Modernizations and Intersection Improvements	\$ 824,931	\$742,438	\$ 82,493		
2025	220114	82000	City of Detroit	1. Forest at McClellan 2. Griswold at Larned 3. Harper at McClellan 4. Kelly at Morang 5. Larned at St Aubin 6. Fairfield at McNichols	Signal Modernizations and Intersection Improvements	\$ 803,651	\$723,286	\$ 80,365		
2025	220115	39000	City of Kalamazoo	1. Park at Howard, 2. Park at Burr Oak, 3. Park at Cedar, 4. Park at Academy, 5. S. Westnedge at Hutchinson, 6. S. Westnedge at Pleasant.	Safety Improvements for VRU - RRFB's, special emphasis pavement markings, ADA sidewalk improvements, bumpouts/bulbouts, and pedestrian refuge islands.	\$ 513,024	\$461,722	\$ 51,302		
2025	220119	63000	City of Farmington Hills	1. 13 Mile Road at Farmington Road 2. 13 Mile Road at Halsted Road 3. Halsted Road at 11 Mile Road	Signal Modernization	\$1,000,939	\$750,000	\$250,939		
2024	220121	39000	City of Kalamazoo	1. Bronson at Edgemoor, 2. Bronson at Duchess, 3. Bronson at Parker, 4. Mills at KVRT, 5. Crosstown Parkway at Trail Crossing, 6. Crosstown Parkway at John	Safety Improvements for VRU - RRFB's, special emphasis pavement markings, ADA sidewalk ramp improvements, and pedestrian refuge islands.	\$ 474,190	\$256,816	\$217,374		
2024	220122	39000	City of Kalamazoo	1. Arboretum at Wynding Oaks (West), 2. Arboretum at Wynding Oaks (East), 3. Arboretum at Theoreau's Woods, 4. Lovers Lane at Foley, 5. Portage at Royce, 6. Portage at Banbury, 7. Crosstown Parkway at Maple, 8. Campus Drive #1, 9. Campus Drive #2 at Tech Circle, 10. Campus Drive #3 at Dipharma Inc	Safety Improvements for VRU - RRFB's, special emphasis pavement markings, and pedestrian refuge islands.	\$ 646,577	\$517,262	\$129,315		
2024	220123	63000	City of Lathrup Village	Southfield Rd between Margate Ave and Kilbirnie Ave	High-Intensity Activated Crosswalk (HAWK) installation	\$ 324,089	\$291,680	\$ 32,409		
2025	220124	41000	City of Grand Rapids	1. Covell Ave NW at Tremont Blvd NW 2. Walker Ave NW at Fremont Ave NW 3. Lafayette Ave NE at Creston Plz NE 4. Diamond Ave SE at Baldwin St SE 5. MLK Jr St SE at Benjamin Ave SE 6. Madison Ave SE at Hoyt St SE 7. 32nd St SE at Park Entrance	Roadway crossing Improvements and treatments for VRU	\$ 540,000	\$432,000	\$108,000		
2025	220125	82000	City of Livonia	5 Mile Road and Levan Road	Signal Modernization	\$ 353,058	\$317,752	\$ 35,306		
2025	220126	82000	City of Livonia	Newburgh Road at Lyndon Ave	Signal Modernization	\$ 271,953	\$244,758	\$ 27,195		
2025	220127	63000	City of Northville	Seven Mile Road at Sheldon Road/Center Street	New Roundabout	\$ 745,000	\$670,500	\$ 74,500		
2025	220129	73000	City of Saginaw	Genesee Avenue from Janes Ave to Hess Ave	Road Safety Audit for VRU	\$ 25,000	\$ 20,000	\$ 5,000		
2024	220131	73000	Saginaw County Road Commission	Dixie Highway at Burt Road	Signal Modernization	\$ 450,000	\$405,000	\$ 45,000	\$22,500.00	\$22,500.00

2025	220136	41000	City of Grand Rapids	1. Richmond St NW at Powers Ave NW 2. Fuller Ave NE at Northlawn NE 3. Fulton St E at Midblock at GRCC 4. Madison Ave SE at Pleasant SE 5. Alger St SE at Blaine Ave SE 6. Lane Ave NW at Sibley St NW 7. Walker Ave NW at Garfield Ave NW	Roadway crossing Improvements for treatments for VRU	\$ 610,000	\$488,000	\$ 122,000		
2025	220137	38000	City of Jackson	Morrell St at Brown St, Morrell St at Wisner St	Signal Modernization	\$ 695,222	\$625,700	\$ 69,522		
2025	220151	63000	City of Pontiac	1. Arlene Ave at Madison Ave and 2. Arlene Ave at Tennyson Ave 3. University Drive between Melrose Dr and Jordan Road	Signal Modernization, Install HAWK, Pedestrian refuge, ADA Ramps	\$ 836,165	\$752,548	\$ 83,617		
2025	220153	73000	Saginaw County Road Commission	Tittabawassee at River Road	New Roundabout	\$ 600,000	\$353,040	\$246,960		
2025	220154	77000	St Clair County Road Commission	Wadhams at Griswold Road	Signal Modernization with Reflectorized Backplates	\$ 202,345	\$182,110	\$ 20,235		
2025*	220155	17000	City of Sault Ste.Marie	Meridian Street at West Easterday Avenue	Signal Modernization, Pedestrian countdown signals	\$ 440,000	\$352,000	\$ 88,000	\$ 22,000.00	\$ 22,000.00
2025	220156	77000	St Clair County Road Commission	Wadhams at St. Clair Highway	New Roundabout	\$ 420,000	\$336,000	\$ 84,000		
2025	220158	50000	City of Warren	Hoover Road at Common Road	Signal Modernization	\$ 295,038	\$265,534	\$ 29,504		
2025	220159	82000	City of Westland	Wayne Road at Hunter Road	Signal Modernization	\$ 293,697	\$264,327	\$ 29,370		
2025	220161	47000	Livingston County Road Commission	Rushton at Doane Road	Intersection Realignment and new Center Left-turn Lane	\$ 815,000	\$733,500	\$ 81,500		
2025	220162	41000	Kent County Road Commission	Pine Island at 10 Mile	New Roundabout	\$1,454,584	\$750,000	\$704,584		
2025	220163	19000	Clinton County Road Commission	Shepardsville Road between Maple Rapids Road and North County Line	Guardrail Improvements	\$ 120,000	\$108,000	\$ 12,000		
2025	220171	25000	Genesee County Road Commission	Carpenter Road at Belsay Road	Ground Mounted Solar Beacon Installation	\$ 28,000	\$ 25,200	\$ 2,800		
2025	220173	25000	Genesee County Road Commission	Davison at Irish Road	Signal Modernization and ADA Upgrades	\$ 250,000	\$225,000	\$ 25,000		
2025	220174	25000	Genesee County Road Commission	Wilson at Clio Road	Approaches Reconstruction and Addition of Left Lane	\$ 300,000	\$270,000	\$ 30,000		
2025	220175	26000	Gladwin County Road Commission	1. Pratt Lake at Chappel Dam 2. Beaverton at Bard Road 3. Shock at Knox Road 4. Freeman at Dale Road 5. Hockaday at Wagarville Road	1 Intersection New Beacon installation, 4 Intersection Beacon replacements	\$ 115,000	\$ 92,000	\$ 23,000		
2025*	220176	28000	Grand Traverse County Road Comm.	Zimmerman Rd from 600' south of Panorama Dr to Heritage Way	Installation of a high friction treatment course	\$ 343,151	\$164,929	\$178,222	\$17,158.00	\$17,157.00
2025	220177	34000	Ionia County	Zahm Rd at Krupp Rd Intersection- 300' east and west of the intersection, 700' north of the intersection	Horizontal Curve Flattening, corrugation placements, advanced warning signs	\$ 444,910	\$400,419	\$ 44,491		
2025	220178	38000	Jackson County Department of Trans.	Robinson Road at Spring Arbor Road	Upgrade Signal Heads and Equipment	\$ 151,435	\$136,291	\$ 15,144		
2025	220179	38000	Jackson County Department of Trans.	Ackerson Lake Road at Hart Road, Napoleon Township, Jackson County	Installation of Guardrail, Flashing LED Stop Sign, Stop and Stop Ahead Signage Upgrade, Reflective panels, Stop Bar pavement markings	\$ 56,044	\$ 42,134	\$ 13,910		
2025	220182	39000	Kalamazoo County Road Commission	G Avenue from M-343 to 38th Street	Center Left Lane Construction	\$ 998,000	\$750,000	\$248,000		
2025	220184	39000	Kalamazoo County Road Commission	Sprinkle Road from 0.11 miles north of Lake Street to I-94 BL	Sprinkle Road from 0.11 miles north of Lake Street to I-94 BL Centerline, Rumble Strips, Shoulder Widening	\$1,115,000	\$750,000	\$365,000		
2025	220185	41000	Kent County Road Commission	Myers Lake at 10 Mile Road	New Roundabout	\$1,454,584	\$750,000	\$704,584		
2025	220186	50000	Macomb County Department of Roads	1. Jefferson at Crocker Road 2. 32 Mile Road at North Ave 3. 15 Mile Road at Garfield Road 4. 21 Mile Road at North Ave 5. Garfield Road at Millar 6. 32 Mile Road at Romeo Plank	Signal Modernization	\$ 975,000	\$750,000	\$225,000		
2025	220187	50000	Macomb County Department of Roads	1. 15 Mile Road at Beaconsfield Road 2. 21 Mile Road at Van Dyke 3. 21 Mile Road at Shelby 4. 15 Mile Road at Klein/Bobcean 5. 23 Mile Road at E Russell Schmidt	Signal Modernization	\$ 947,000	\$750,000	\$197,000		
2025	220188	58052	Monroe County Road Commission	1. Curve on Carleton Rockwood Road from Armstrong to Village of Carleton Rockwood, Berlin Twp; 2. Curve on Ida West Road near Dixon Road, Summerfield Twp; 3. Curve on Post Road near War Road, Frenchtown Twp; 4. Intersection of Bates Road & Stewart Road, Frenchtown Twp; 5. Intersection of Douglas Road & Rauch Road, Bedford/Ida Twp; 6. Intersection of Dunbar Road & Herr, Monroe Twp; 7. Intersection of Samaria Road & Summerfield Road, Whiteford Twp	Intersection Signing Upgrades	\$ 308,000	\$277,200	\$ 30,800		
2025*	220189	77000	St Clair County Road Commission	Dove Road at Michigan Road.	Signal Improvements	\$ 204,045	\$183,640	\$ 20,405	\$10,202.00	\$10,202.00

hereby authorize a Working Capital Advance to the County of Wayne in the amount of \$54,087.00 as fifty percent (50%) of the City of Livonia's participation of the total project cost; and the City Engineer is hereby authorized to approve any minor adjustments in the work as it becomes necessary but this authorization does not entitle the City Engineer to authorize any increase in the not to exceed amount or to contract with other parties.

#404-23 RESOLVED, that having considered the report and recommendation of the City Engineer, dated November 17, 2023, which bears the signatures of the Director of Public Works, the Director of Finance and the City Attorney, and is approved for submission by the Mayor, to which is attached a proposed amendment to the Engineering contract between the City of Livonia and OHM Advisors, 34000 Plymouth Road, Livonia, Michigan 48150, dated November 16, 2023, for the 2024 Traffic Signal Modernization Projects at the Intersections of Lyndon Avenue and Newburgh Road and at Levan Road and Five Mile Road, the Council does hereby authorize the Mayor and City Clerk, for and on behalf of the City of Livonia, to execute the attached contract amendment between the City of Livonia and OHM Advisors, 34000 Plymouth Road, Livonia, Michigan 48150, to provide design engineering services for the 2024 traffic signal modernization projects at the intersections of Lyndon Avenue and Newburgh Road and at Levan Road and Five Mile Road in an amount not to exceed \$76,000.00, said amount being based on the preliminary cost estimates and subject to adjustment based on the actual bids; FURTHER, the Council does hereby authorize an expenditure in an amount not to exceed \$76,000.00 from funds budgeted in Account No. 204-447-818-102 (Contractual Services – Engineering Consultant) for this purpose, and the City Engineer is hereby authorized to approve minor adjustments in the work as it becomes necessary but this authorization does not entitle the City Engineer to authorize any increase in the not to exceed amount or to contract with other parties.

#405-23 RESOLVED, that having considered a communication from the Department of Law, dated November 20, 2023, which is approved for submission by the Mayor, to which is attached a proposed License Agreement between the City of Livonia and Consumers Energy Company for property located at 32000 Glendale Street, Livonia, Michigan 48150, to allow Consumers Energy permission to use as a construction show up site, to include the outdoor storage of commercial vehicles and other construction equipment, for an annual rent of \$39,000.00 for a one-year term commencing December 1, 2023 through December 31, 2024, with the option to extend the agreement for up to three (3) additional



LETTER TO THE LIVONIA CITY COUNCIL

17.

Law
January 31, 2025

MEETING DATE

R022425

PRESENTED BY

Carter Fisher, City Attorney

AGENDA ITEM

ACCEPTANCE OF QUIT CLAIM DEED: Department of Law, re: secured without monetary consideration from Vincenzo Longo, Owner of Vision Family Homes, LLC, in order to obtain the necessary road right-of-way to Parcel ID #46-006-99-0113-001 (31050 Pembroke Avenue) in the Northwest ¼ of Section 2.

BACKGROUND DETAILS

We are transmitting for Council acceptance a quit claim deed, secured without monetary consideration, from Vincenzo Longo, Owner of Vision Family Homes, LLC, in order to obtain the necessary road right-of-way to Parcel ID #46-006-99-0113-001 (31050 Pembroke Avenue) in the Northwest ¼ of Section 2. This document has been approved as to form by the Department of Law and the legal description approved by the Engineering Division.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

RESOLVED, that having considered a communication from the Department of Law, dated January 31, 2025, approved for submission by the Mayor, transmitting for Council acceptance a quit claim deed from Vincenzo Longo, Owner of Vision Family Homes, LLC, in order to obtain the necessary road right-of-way to Parcel ID #46-006-99-0113-001 (31050 Pembroke Avenue) in the Northwest ¼ of Section 2, more particularly described as:

Description of Quit Claim, Pembroke Avenue Right-of-Way

Land situated in the Northwest ¼ of Section 2, City of Livonia, Wayne County, Michigan, Town 1 South, Range 9 East, being more particularly described as commencing at the West 1/4 Corner of Section 2 thence North 87°16'37" East, 490.20 feet along the East/West line of Section 2 to the Point of Beginning; thence North 2°33'21" West, 30.00 feet; thence North 87°16'37" East, 81.70 feet; thence South 2°33'36" East, 30.00 feet to a point on the East/West line of Section 2; thence continuing along said Section line South 87°16'37" West, 81.70 feet to the Point of Beginning. Containing 2,451 s.f. (0.06 acres) more or less.

THE COUNCIL DOES HEREBY, FOR AND ON BEHALF OF THE CITY OF LIVONIA, ACCEPT THE AFORESAID QUIT CLAIM DEED CONVEYING THE ABOVE-DESCRIBED PROPERTY TO THE CITY OF LIVONIA, and the City Clerk is hereby required to have same recorded in the Office of the Register of Deeds and to do all other things necessary or incidental to fulfill the purpose of

this resolution.

ATTACHMENTS

1. Letter from Engineering
2. QCD (ROW-31050 Pembroke Avenue)

APPROVED BY



Carter Fisher, City Attorney

Date: January 31, 2025



Maureen Miller Brosnan, Mayor

Date: January 31, 2025

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

TODD J. ZILINCIK, P.E.
City Engineer

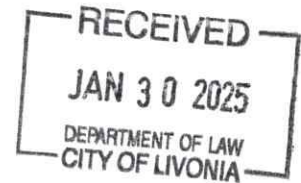
DAVID W. LEAR, P.E.
Assistant City Engineer



12973 FARMINGTON ROAD
LIVONIA, MICHIGAN 48150
(734) 466-2655

MAUREEN MILLER BROSNAN
MAYOR

DONALD R. ROHRAFF
Director of Public Works



January 29, 2025

Department of Law
City of Livonia

**Re: Quit Claim Deed for Road Right-of-Way
Parcel I.D. #46-006-99-0113-001
31050 Pembroke Avenue**

Ladies and Gentlemen:

Transmitted herewith is one (1) Quit Claim Deed received by this office from Vincenzo Longo, Owner of Vision Family Homes, LLC. This Quit Claim Deed was requested by the Engineering Division in order to obtain the necessary road right of way.

The legal description contained in the instrument and shown below meets with the approval of this office:

Land situated in the Northwest ¼ of Section 2, City of Livonia, Wayne County, Michigan, Town 1 South, Range 9 East, being more particularly described as commencing at the West 1/4 Corner of Section 2 thence North 87°16'37" East, 490.20 feet along the East/West line of Section 2 to the Point of Beginning; thence North 2°33'21" West, 30.00 feet; thence North 87°16'37" East, 81.70 feet; thence South 2°33'36" East, 30.00 feet to a point on the East/West line of Section 2; thence continuing along said Section line South 87°16'37" West, 81.70 feet to the Point of Beginning. Containing 2,451 s.f. (0.06 acres) more or less.

Please review the instrument as to form and forward same to the City Council for their approval.

Should you have any questions, please feel free to contact this office.

QUIT CLAIM DEED

KNOW ALL MEN BY THESE PRESENTS: That the Grantor, VISION FAMILY HOMES, LLC, a Michigan limited liability company whose address is 27489 Schoolcraft Road, Livonia, Michigan 48150, quit claims to the CITY OF LIVONIA, a Michigan municipal corporation, whose address is 33000 Civic Center Drive, Livonia, Michigan 48154, the following described premises situated in the City of Livonia, Wayne County and State of Michigan, to wit:

Description of Quit Claim, Pembroke Avenue Road Right-of-Way

Land situated in the Northwest ¼ of Section 2, City of Livonia, Wayne County, Michigan, Town 1 South, Range 9 East, being more particularly described as commencing at the West 1/4 Corner of Section 2 thence North 87°16'37" East, 490.20 feet along the East/West line of Section 2 to the Point of Beginning; thence North 2°33'21" West, 30.00 feet; thence North 87°16'37" East, 81.70 feet; thence South 2°33'36" East, 30.00 feet to a point on the East/West line of Section 2; thence continuing along said Section line South 87°16'37" West, 81.70 feet to the Point of Beginning. Containing 2,451 s.f. (0.06 acres) more or less.

Containing 0.06 acres

Tax Parcel #006-99-0113-001

For full consideration of \$1.00 dollar.

Dated this 28 day of January 2025

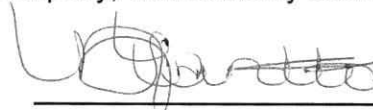
Signed and sealed:



Vincenzo Longo, Owner
VISION FAMILY HOMES, LLC
a Michigan limited liability company

STATE OF MICHIGAN }
) ss.
COUNTY OF WAYNE }

The foregoing instrument was acknowledged before me this 29 day of January 2025, by VINCENZO LONGO, as Owner of VISION FAMILY HOMES, LLC, a Michigan limited liability company, with authority and on behalf of said company.



Notary Public, Wayne County, Michigan
Acting in Wayne County
My Commission Expires: 8/10/25

Instrument drafted by: Todd J. Zilincik, P.E.
City Engineer
Engineering Division
12973 Farmington Road
Livonia, MI 48150

N. LANTTO
NOTARY PUBLIC, STATE OF MI
COUNTY OF WAYNE
MY COMMISSION EXPIRES Aug 10, 2025
ACTING IN COUNTY OF Wayne

Approved as to form: DEPARTMENT OF LAW



Dated: 1/30/2025

EXHIBIT "B" PROPOSED PARCEL "A"

