

**ADDENDUM NO. 1
TO SPECIFICATIONS AND PLANS FOR THE
VERNOR ESTATES WATER MAIN REPLACEMENT
BLOOMFIELD TOWNSHIP
OAKLAND COUNTY, MICHIGAN**

Date: April 9, 2025

HRC Job No. 20230860

This Addendum is issued prior to receipt of bids to provide for certain changes and clarifications to the Specifications and/or the Plans, as herein specified, and is hereby made a part of the Contract Documents and shall be taken into consideration in preparing the Proposal. The General Conditions and Specifications for the original work and the Contract Drawings are to govern this work unless otherwise revised herein. All other conditions remain the same. **Please note that sealed proposals still must be received on or before 1:30 pm, Local Time on Tuesday, April 15, 2025.**

The Bidder shall acknowledge the receipt of this Addendum by signing the Addendum and enclosing it in the submission of his bids. This must also be acknowledged on Page 6 of the Proposal. Failure to enclose Addendum No. 1 in the submission of bids may be justification for the bid proposal being rejected as non-responsive.

The following lists the extent of this Addendum. Description of the changes or clarifications are given within each heading:

PRE-BID MEETING INFORMATION:

- The Pre-Bid Meeting Minutes and Sign-In Sheet (Issued) – Attached herewith are the meeting minutes from the pre-bid meeting held on April 8, 2025. A copy of the pre-bid meeting sign-in sheet has been included. No additional questions have been submitted to HRC at this time.

CONTRACT DOCUMENTS:

1. SPECIFICATION SECTION 02990 – PERMITS (Revised and Reissued)

- Page 02990/1 – Revised to include approved RCOC permit application. A copy of the approved RCOC permit application # 25-0457 packet has been included with this Addendum.
Road Commission for Oakland County (RCOC) Permit **Application # – (25-0457) –**
Cost to Contractor:
FOR BIDDING PURPOSES, ASSUME **\$250** PERMIT FEE, PLUS **\$500** DEPOSIT, PLUS **\$3,000** INSPECTION FEE, FOR A TOTAL OF **\$3,750**. Costs for providing a **\$15,000** CONSTRUCTION BOND to RCOC is considered incidental to the contract. Adjustment will be made upon receiving final costs from RCOC.

SUMMARY:

This Addendum No. 1 has been issued in order to clarify, modify and add additional items to the original Bid Package. A copy of the amended pages of the Contract Documents noted in this Addendum No. 1 should be utilized during the preparation of bids and incorporated into the Bid Documents.

Delhi Township
2101 Aurelius Rd.
Suite 2A
Holt, MI 48842
517-694-7760

Detroit
535 Griswold St.
Buhl Building, Ste 1650
Detroit, MI 48226
313-965-3330

Grand Rapids
801 Broadway NW
Suite 215
Grand Rapids, MI 49504
616-454-4286

Howell
105 W. Grand River
Howell, MI 48843
517-552-9199

Jackson
401 S. Mechanic St.
Suite B
Jackson, MI 49201
517-292-1295

Kalamazoo
834 King Highway
Suite 107
Kalamazoo, MI 49001
269-665-2005

Lansing
215 S. Washington SQ
Suite D
Lansing, MI 48933
517-292-1488

The Bidder shall acknowledge receipt of this Addendum No. 1 by signing in the location provided below and incorporating this Addendum No. 1 with the submission of his bid. Failure to include Addendum No. 1 and its attachments may result in rejection of the bid.

Respectfully submitted,

HUBBELL, ROTH & CLARK, INC.



Christopher N. Ross, P.E.
Manager

CR/ZA

Attachments (3):

Pre-Bid Meeting Minutes and Sign-In Sheet
Specification Section 02990 – Permits
Approved RCOC Permit Application # 25-0457 Packet

pc: All plan holders
Bloomfield Township; Mr. R. Corey Almas, P.E., Mr. Paul Palace
HRC; D. Mitchell, K. Stickel

Addendum No. 1 – Received and Acknowledged By:

Company: _____

Signature: _____

Printed Name: _____

Title: _____

Date: _____

**PRE-BID MEETING MINUTES
VERNOR ESTATES WATER MAIN REPLACEMENT
BLOOMFIELD TOWNSHIP**

Date: April 8, 2025

HRC Job No. 20230860

Time: 10:00 a.m.

Meeting Held: Bloomfield Township DPW Conference Room

<u>Attendee Name</u>	<u>Representing</u>	<u>Phone No.</u>	<u>Email Address</u>
Corey Almas	Bloomfield Township	248-594-2807	calmas@bloomfieldtwp.org
Paul Palace	Bloomfield Township	248-594-2809	ppalace@bloomfieldtwp.org
Mark Hendricks	Bloomfield Township	248-200-6814	mhendricks@bloomfieldtwp.org
Adam Roose	Bloomfield Township	248-594-2802	aroose@bloomfieldtwp.org
Chris Ross	HRC	248-330-7344	cross@hrcengr.com
Justin Van Acker	HRC	248-762-6430	jvanacker@hrcengr.com
Zakaria Al-Aswar	HRC	248-302-0475	zal-aswar@hrcengr.com

1) Project Background and Scope

- The existing public water main system for the Vernor Estates subdivision is reaching the end of its useful life and will be replaced with new public water main ahead of the RCOC road SAD project scheduled to begin in June or July of 2026.
- New public water main will include (4) connections to the existing Township water system and approx. 600 LF of directional drilled 12" HDPE DIPS DR11 water main, 5,048 LF of 12" HDPE DIPS DR11 water main via pipe bursting to replace existing 8" water main, 7,910 LF of 8" HDPE DIPS DR11 water main via pipe bursting to replace existing 6" water main, 26 fire hydrants, 36 gate valve & wells and 3 gate valve & boxes.
- All water service lines will be replaced up to the property line and a new stop box will be installed. The replacement and reconnection of 168 water service lines includes of 6,136 LF of 1" type "K" copper or HDPE DR9 water service lines and 697 L.F. of 1.5" type "K" copper or HDPE DR9 water service lines. All road crossings of water service lines (long side) must be directionally bored.

2) Review of Regulatory Requirements and Permits:

- EGLE Act 399 – Approved Permit # ACT-359983. No cost to the contractor.
- RCOC – Approved Permit Application # 25-0457. Contractor to pull the RCOC permit, pay fees (total of \$3,750), provide insurance and \$15,000 construction bond to RCOC. Approved RCOC permit application will be included in Addendum No. 1 along with these meeting minutes.
- OCWRC SESC – Permit not yet received. HRC to pull SESC permit and pay for permit and inspection fees ahead of construction beginning.

3) Review of potential utility conflicts:

- Consumers Energy – Gas main locations are shown on the plans and vary street by street. Gas main crossings with the proposed water main in multiple locations. Contractor to work closely with Consumers Energy loss prevention representative.
- Bloomfield Township Sanitary Sewer and Sanitary Leads – Sanitary sewer crossings with the proposed water main in multiple locations. Sanitary leads to be exposed at all crossings of the new water main.

- RCOC Owned Storm Sewers – Storm sewer crossings with the proposed water main in multiple locations.
- AT&T Conduits – Conduits crossings with the proposed water main in multiple locations.
- Comcast – CATV and fiber crossings with the proposed water main in multiple locations.
- DTE – Conduits crossings with the proposed water main in multiple locations. Some overhead electrical lines in the work area.
- Other – Private gas and electric lights are present in the work area.

4) Special Project Requirements:

- For information about Contractor qualifications, scheduling and special notes for bid items see spec section 01001 – Special Project Requirements and Supplemental Specifications.
- Additional information regarding the following is included in the supplemental specs: Incidentals, exposing utilities, water use, hours of operation, restoration, replacement of existing landscaping, maintenance of services, disposal of excavated materials, tree protection, Contractor's liability and insurance, hydrant and gateway connections, field adjustments, pipe materials etc.. It is critical the Contractor has read and understands this spec section prior to submitting their proposal.

5) Project Construction/Materials:

- Water main to be replaced by pipe bursting can be completed by either pre-chlorinated pipe bursting or temporary water system to minimize interruption of water service to the residents.
- Due to the nature of pre-chlorinated pipe bursting operations, the Contractor must be prepared to reconnect the water service lines on the same day (within 10 hours) of being taken out of service. If the permanent water connection cannot be made by the end of the day, temporary water shall be provided to the affected residents at the Contractor's expense.
- Mechanical joint restraint system using Mega-Lugs with stainless steel stiffening rings to be utilized for transitions from HDPE to D.I. pipe. Concrete collar and flex restraint must be utilized in locations where the new HDPE main is to be connected to an existing ductile or cast iron water main to ensure the connection to the existing main does not separate.
- All ductile iron pipe shall have restrained joints and poly-wrap (8 mil).
- Directional drilling bore path alignment to be confirmed from the data logger with final bore path alignment documented by the Contractor. Existing water main to be abandoned with flowable fill for directionally drilled replacement.
- Temporary construction signage to be ground mounted per RCOC.
- All excavations are to be backfilled with Class II compacted sand backfill regardless of the relationship to the road influence.
- All lawn areas to be restored with 3" topsoil and Class A sod and paid for on a lump sum basis. Sprinkler repairs and replacement to be included in the lump sum pay item for "Restoration".
- All costs for removing, salvaging and replacing existing landscaping including edging, mulch, stones, ground cover, plantings, bushes, retaining walls and miscellaneous landscaping materials, placement, and restoration shall be paid for on a lump sum basis.

6) Review of Contract Documents:

- Physical bids to be submitted to the Township as described in the Proposal and Instructions to Bidders.
- No proposals will be received unless made on blanks furnished and delivered to the Bloomfield Township Dave Payne Public Services Building on or before 1:30pm local time on April 15, 2025.
- A Bid Bond will be required to be submitted along with the Contractor's Proposal.

- A Performance Bond, Labor and Material Bond, and Maintenance and Guarantee Bond will all be required as part of the signed Contract.
- See General Supplementary Conditions (Spec section 00800) for insurance requirements.

7) Critical Work Sequencing:

- The project includes Division 1 (2025) and Division (2026), both Divisions must be bid on and will be executed as a single contract.
- Construction on Division 1 to begin after May 19, 2025. Substantial completion for Division 1 to be achieved by November 14, 2025. Final completion for Division 1 is due by November 26, 2025.
- Construction on Division 2 to begin after April 1, 2026. Substantial completion for Division 2 to be achieved by July 3, 2026. Final completion for Division 2 is due by July 24, 2026.
- The Contractor may elect to start work on Division 1 only as soon as the Notice to Proceed is issued. However, once work is started in a location, it shall be continued without delay or stoppages until the work is substantially complete.

8) Use of premises by Owner and Contractor:

- The Contractor may use the ROW of Lahser Road or Stoneleigh Road along the Way Elementary property for staging purposes. Safe access to school property and walkway needs to be maintained if this area of the Stoneleigh Road ROW is utilized for staging, storage and/or fusing.
- Vehicular access to each home will be maintained during construction. Emergency vehicle access, mail delivery and garbage pick-up must also be maintained during construction.
- Allowable work hours in Bloomfield Township are Monday through Saturday, 7 AM to 6 PM, and not on Sundays or holidays. The Contractor may work outside these hours only with permission from Bloomfield Township. Contractor to notify Township Engineering & Environmental Services Department the Wednesday prior to any requested Sunday work and cannot complete Sunday work without permission from the Township Supervisor.

9) Project Coordination:

- All efforts are being made to have both Divisions of this water main replacement project completed prior to the start of the road SAD project taking place in 2026. The Contractor may need to coordinate with the road SAD contractor for the road SAD project should the two projects overlap.

10) Survey and layout by HRC:

- HRC to provide construction staking for directional drilled sections of water main, gate wells, stop boxes and hydrant finished grades. Staking of the right-of-way to be provided when requested by the Contractor.
- All work shall be performed under the observation of a full time field observer provided by the Township of Bloomfield. HRC will provide construction observation services on the Township's behalf. 48-hour minimum notice must be provided to HRC for observation scheduling. If an inspector is scheduled to come out and no work takes place then a ½ crew day will be charged for the show up time.

11) Procedures for testing:

- Bacteriological and pressure tests to be performed above ground using pre-chlorinated pipe bursting method with the new water mains to be pipe burst after successful completion of the required testing.
 - Two-day bacti tests must be provided for the water main.
- Water main pressure test (150 psi – 4 hr test) required. To be witnessed by HRC. Both safe bacti and pressure tests are required prior to physical connections.

- HRC will perform compaction testing for backfill & HMA, and concrete testing. HRC's observer will assist with coordination for testing. MDOT Class II sand required for all backfill.

12) Procedures for maintaining record documents:

- HRC to complete as-built plans from HRC observation reports and the Contractor's bore path data logger.

13) Traffic Control:

- Bids shall include the expected cost of all traffic control, signage, and barricading required for the project in the lump sump pay item for "Maintaining Traffic"
- Traffic control will be primarily around the daily work zone on local, residential streets.

14) Other discussions (housekeeping):

- Contractors must take care of dust control throughout project duration. All mud tracked onto area roadways must immediately be removed with roads swept clean on as-needed basis.

These minutes are intended to be a summary of those items discussed. Any corrections and/or comments should be noted to the writer as soon as possible.

Respectfully submitted,

HUBBELL, ROTH & CLARK, INC.



Christopher N. Ross, P.E.
Manager

CR/JV

pc: All present

All plan holders

Bloomfield Township; N. Mehalski, P. Horen, S. Sierota, File

HRC; K. Stickel, D. Mitchell, File

Pre-Bid Meeting – Sign-In Sheet
Vernor Estates Water Main
Bloomfield Township DPW Conference Room
Date: April 8, 2025
Time: 10:00am



Name	Affiliation	Phone Number	Email Address
Chris Ross	HRC	248-330-7344	Cross @ hrcengr.com
Zakaria Al-Asmar	HRC	248-302-0475	ZAl-ASmar @ HRCENGRC.com
Justin Van Acker	HRC	248-762-6430	Jvanacker@ hrcengr.com @
Caleb Almas	S.I.		@
Paul Palace	BT	248-594-2809	PPalace @ bloomfieldtwp.org
Mark Hendricks	BT	248-200-6814	m hendricks @ bloomfieldtwp.org
Adam Roose	BT	248-594-2800	Aroose @ Bloomfieldtwp.org
			@
			@
			@
			@
			@
			@
			@

SECTION 02990

PERMITS

PART 1 GENERAL

1.1 GENERAL

- A. The Permits included in this Section have been applied for by the Owner with the cost to the Contractor noted. They are provided as information for the Contractor because the requirements and regulations contained in these documents shall be adhered to by the Contractor as they pertain to the work done under this Contract.
- B. Should any contradictions or discrepancies between the requirements of the Permits Section and other Sections of these Specifications be found, this sections language shall have precedence.

1.2 RELATED SECTIONS

- A. Section 00700 - General Conditions
- B. Section 00800 - General Supplementary Conditions
- C. Section 01000 - General Specifications
- D. Section 02110 - Site Clearing
- E. Section 02140 - Dewatering
- F. Section 02200 – Earthwork
- G. Section 02220 - Soil Erosion Control
- H. Section 02930 - General Landscaping Materials and Final Grading

1.3 PERMITS

- A. The following permits are contained hereinafter with costs to the Contractor noted.
 - 1. OCWRC Soil Erosion and Sediment Control Permit # - (Not received as of yet) – NO COST TO CONTRACTOR
 - 2. Road Commission for Oakland County (RCOC) Permit Application # – (25-0457) –
Cost to Contractor:
FOR BIDDING PURPOSES, ASSUME \$250 PERMIT FEE, PLUS \$500 DEPOSIT, PLUS \$3,000 INSPECTION FEE, FOR A TOTAL OF \$3,750.
Costs for providing a \$15,000 CONSTRUCTION BOND to RCOC is considered incidental to the contract. Adjustment will be made upon receiving final costs from RCOC.
 - 3. EGLE Act 399 Permit # ACT-359983 – NO COST TO CONTRACTOR

- B. The lump sum “**Permit Fee Allowance, LS**” amount shall be payment in full for all costs incurred and paid for by the Contractor for permit fees and inspection fees associated with the RCOC Permit. The actual amount paid to the Contractor shall be increased or decreased to reflect the actual charges as shown on invoices without mark-up. Costs for providing a \$30,000 CONSTRUCTION BOND to RCOC is considered incidental to the contract.
- C. Contractor is required to obtain all permits prior to starting work.

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

Not Used.

END OF SECTION

BOARD OF COUNTY ROAD COMMISSIONERS, OAKLAND COUNTY, MICHIGAN

PERMIT APPLICATION

MAKE CHECK PAYABLE TO ROAD COMMISSION FOR OAKLAND COUNTY

ROAD COMMISSION FOR OAKLAND COUNTY
RECEIVED

Mar 12 2025

DEPARTMENT OF CUSTOMER
SERVICES PERMITS

FOR R.C.O.C. USE ONLY

Application No. 25-0457

Date Received 03-12-25

Permit E No. _____

Date of Issuance _____

APPLICANT: _____ hereby makes

APPLICATION for a permit to CONSTRUCT, OPERATE, USE and/or MAINTAIN or to TEMPORARILY CLOSE A COUNTY ROAD within the part of the right-of-way of road(s) _____ under the jurisdiction of the Board:

a detailed description of the desired facility and/or activity is required in the space provided below: (include size, length, type of facility; - if underground, indicate depth below surface; if parallel to road, indicate distance from inside edge of facility to edge of pavement, if crossing under roadbed, describe method). **THE FOLLOWING MUST BE ATTACHED TO THE APPLICATION WHEN APPLICABLE:** 1. Plans, specifications and location of facility. 2. Traffic plan and detour route in cases of street closures.

PLEASE CHECK THE APPROPRIATE BOX(ES) THAT APPLY TO THE TYPE OF WORK YOU WISH TO OBTAIN A PERMIT FOR:

Annual	Community Event	Public Utility (i.e. electric, gas, telephone)	Soil Boring/Monitoring Well
Approach/Private Road Access	Landscaping/Grading	Sanitary/Storm Sewer	Watermain
Cable TV	Pathway/Sidewalk	Sign/Subdivision Entrance Marker	Other _____

City or Township _____ Section No. _____

The above activities will be carried out in accordance with plans, specifications, maps and statements filed with the R.C.O.C. as part of this application, and if said application is approved, the above named applicant agrees to abide by the **CONDITIONS** contained on the reverse side. Since a permit will have to be secured from the Board prior to the start of any construction or maintenance operations proposed by this application, it is intended that the **SUPPLEMENTAL SPECIFICATIONS**, on the reverse side, are to be incorporated as part of the plans or specifications required for this proposed work.

FOR R.C.O.C. USE ONLY	
Design: _____	Right-of-Way: _____
Traffic: _____	Maintenance: _____
Planning: _____	Construction: _____
Subdivision: _____	
Environmental Concerns: _____	Permits: JDG

FOR R.C.O.C. USE ONLY	
Application Fee: \$ 0.00	Permit Fee: \$250
Receipt No: _____	Deposit: \$500
Bond: \$15,000	Estimated Inspection Fee: \$3,000
(RCOC Form 75)	Paint Fee: \$
	Sign Fee: \$
	Signal Fee: \$
TOTAL FEES DUE	
AT TIME OF PERMIT ISSUANCE: \$3,750	
Proof of Insurance Required	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Pollution Liability Required	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

This application is approved subject to **CONDITIONS** and **SUPPLEMENTAL SPECIFICATIONS** contained on the reverse side of this application. Approval of this application does not relieve applicant from meeting any applicable requirements or duties of law or other public bodies or agencies including but not limited to the Michigan Department of Natural Resources.

APPROVAL OF THIS APPLICATION EXPIRES IN ONE YEAR IF A PERMIT HAS NOT BEEN ISSUED. RESUBMITTAL OF CURRENT PLANS, PERMIT APPLICATION REVIEW FEES AND PERMIT APPLICATION IS REQUIRED IF APPROVAL OF THIS APPLICATION HAS EXPIRED.

REFER ALL INQUIRIES TO (248) 858-4835
DEPARTMENT OF CUSTOMER SERVICES / PERMITS
2420 PONTIAC LAKE ROAD
WATERFORD, MI 48328

APPLICATION APPROVED:

By: _____ Date: 4-2-25

APPLICANT (PRINT OR TYPE) _____
Chris Han 03/05/2025
SIGNATURE DATE

(PRINTED/TYPED SIGNATURE & TITLE)

APPLICANT'S ADDRESS TELEPHONE NUMBER

CITY STATE ZIP CODE

Fax or Email Address

cross@hrcengr.com

AS A CONDITION OF THE APPROVAL OF THIS APPLICATION, THE APPLICANT AGREES TO THE FOLLOWING CONDITIONS:

1. The application agrees to secure, or cause to be secured, a permit from the Board prior to the commencement of construction or maintenance operations. If a contractor is to perform the construction or maintenance entailed in this application, the contractor shall secure the permit from the Board prior to the commencement of construction or maintenance operations and thereby assumes responsibility, along with the applicant, for any provisions of this application which apply to them.
2. Any and all construction proposed under this application will meet all requirements of the Board, together with the Supplemental Specifications as set forth below.
3. The applicant agrees to save harmless, indemnify, defend, and represent the Board and its employees against any and all claims for bodily injury or property damage, or any other claim arising out of or related to the creation, operation, use, or continuing existence of the structure or facility covered by the permit or for any other work done within county road right-of-way whether or not specifically authorized or in conformance with the description of activities for which the permit was issued. Applicant agrees and understands that the obligations set forth herein are binding upon their successors, transferors, assigns, sureties, and guarantors. The Applicant shall maintain insurance of a type and in an amount in conformance with the Board's established requirements and provide certificates of insurance in a type and amount which shall assure conformance with the Board's established requirements is currently in force for any and all facilities installed in the Board's right of way.
4. The applicant agrees to surrender the permit herein applied for; surrender all rights hereunder; cease operations; and remove, alter, relocate at applicant's own expense, the facilities for which this permit is granted whenever ordered to do so by the Board because of the need for the area covered by this permit for public uses or because of a default in the conditions of the permit. Upon failure to remove, alter, relocate or surrender the facilities pursuant to the order of the Board, the applicant agrees to reimburse the Board for its cost in doing same.
5. Nothing in this application shall be construed to grant any rights whatsoever to any public utilities whatsoever except as to the consent herein specifically given, nor to otherwise impair any existing rights granted in accordance with the constitution or laws of this State.
6. The obligation to construct, operate, use and/or maintain the facility to the satisfaction of the Board remains in force as long as the facility exists and is within the right-of-way under the jurisdiction of the Board. The applicant is obliged to repair any damage to the road and right of way which is a result of the facility and which occurs or appears after the permit licensee is released.
7. The necessary construction zone signing for the protection of traffic shall be in accordance with the most current edition of the Michigan Manual of Uniform Traffic Control Devices, Part 6. All such devices shall be furnished, installed and maintained by the Permit Holder. All construction signage shall have black lettering on a reflective fluorescent orange background, unless otherwise specified. The Permit Holder shall provide any additional signs, barricades and/or lights, at the Permit Holder's expense, required to protect the general motoring public and the work zone when requested by the Road Commission.
8. **ADDITIONAL CONDITIONS:** As will be identified in approved permit description.

SUPPLEMENTAL SPECIFICATIONS

1. **EXCAVATION AND DISPOSAL OF EXCAVATED MATERIAL:** The contractor and/or the utility company shall provide and place the necessary sheeting, shoring and bracing required to prevent caving, loss or settlement of foundation material supporting the pavement, or any other highway installation such as sewers, culverts, etc. The contractor and/or utility company shall assume the full responsibility for this protection. Excavated material shall be stocked in such locations that it does not obstruct vision on the traveled portion of the highway and in such a manner that it will not interfere with the flow of traffic. Sod and topsoil shall be stocked separately from other excavated material. The applicant shall dispose of all surplus and unsuitable material outside of the limits of the right-of-way unless the permit provides for, and with approval of abutting property owners, disposal at approved locations with the right-of-way. In the latter case, the material shall be leveled and trimmed in a manner approved by the Road Commission for Oakland County.
2. **BACKFILLING AND COMPACTING BACKFILL:** All trenches, holes, pits, and other excavations shall be filled with approved excavated earth or with MDOT Class II granular material if so provided, placed in successive layers not more than 9 inches in depth, loose measure, and each layer shall be thoroughly compacted by tamping and all backfill compaction will be subject to check by the Controlled Density Method (minimum 95%). Restoration shall be such that it will provide a condition equal to or better than the original condition and in accordance with current Road Commission for Oakland County standards. Any excavation within the right of way outside traveled portion of road must be maintained until all settlement has occurred and must be restored and seeded or sodded as directed. The permit will not be released until the Road Commission is satisfied that no further settlement will occur.
3. **CROSSING ROADBED BY TUNNELING, DIRECTIONAL BORE, JACK CASING AND BORE:** When the pipe is installed by tunneling without cutting the existing pavement, the tunnel shall be adequately sheeted or shored to prevent the sides and top from collapsing or the pavement from settling or cracking. Directional bore shall be at least 4 diameters under the pavement or 48 inches, whichever is greater. When the pipe is installed by boring and jacking, the leading edge of the pipe must always precede the auger. The tunnel backfill shall be made by tamping a dry mix of lean concrete into place so as to completely fill any voids remaining around the installation. The concrete shall be composed of one part of Portland cement and 10 parts of sand-gravel by volume. Tunnel and boring pits shall be at least 10 feet from the edge of the pavement unless otherwise approved.
4. **CROSSING BY CUTTING GRAVEL ROADS:** All trenches are to be backfilled with approved material to within 12 inches of surface within the limits of the roadbed. Backfill methods will be as described in paragraph 2 above. All surplus excavated material will be disposed of as described in paragraph 1. The top 12 inches within the roadbed will be backfilled with processed road gravel (MDOT 22A or 23A). Trenches outside of the roadbed will be backfilled in accordance with paragraph 2 above.
5. **CROSSING BY CUTTING PAVEMENT AND TRENCHING:** When this method is approved by the Road Commission, the pavement shall be cut so that the opening is a minimum of 5 feet wide and at least 1 foot wider on each side than the trench. In no case shall an open cut result in a remaining slab width of less than 5 feet from patch to an existing joint. The cut shall be made by sawing to a full pavement depth. Cuts in concrete residential and commercial drives shall be as above except that the patch width shall be a minimum of 3 feet and the remaining slab from patch to existing joint a minimum of 3 feet. Backfill shall be made with MDOT Class II granular material. After the backfill has been placed by control density method and thoroughly compacted, the pavement shall be replaced with a temporary surface of approved hot-mixed bituminous material and later replaced with new pavement of the original type and quality by the Permit Licensee unless other provisions are included in the permit.
6. **DEPTH OF COVER MATERIAL:** Pipes shall be placed to a depth that will provide not less than 4 feet of cover between the top of roadway surface and top of the pipe.
7. **TREE TRIMMING OR REMOVAL:** All trees that may be affected by the proposed construction shall be shown on the plans. The plan must clearly indicate which trees are proposed to be removed, trimmed and/or tunneled. This work, if approved, must be done in accordance with current Board standards, including advance notification of abutting property owners. Wood Disposal License Agreement(s) will be required for any tree work.
8. **DISPOSAL OF GROUND WATER:** Roadside drainage systems – open ditches, storm sewers, etc. – shall not be used for the disposal of water pumped from below the surface of the ground unless specifically allowed by the Road Commission. Details such as volume and frequency of discharge, erosion control, duration of use, NPDES permit and other pertinent information as may be required must be submitted with the application for such permission.
9. Any proposed operation in the right of way not covered by the above specifications, submitted with this application, shall be done in accordance with any additional specifications deemed necessary by the Board or as outlined in the Permit Rules, Specifications and Guidelines.

March 5, 2025

Road Commission for Oakland County
2420 Pontiac Lake Road
Waterford, MI 48328

Attn: Mr. Scott Sintkowski, P.E., Permit Engineer

Re: Bloomfield Township
Permit Application for
Vernor Estates Water Main Replacement

HRC Job No. 20230860

Dear Mr. Sintkowski:

On behalf of the Charter Township of Bloomfield, Hubbell, Roth & Clark, Inc. (HRC) is pleased to submit the attached permit application for construction in the RCOC right-of-way and an electronic copy (PDF) of the construction plans for the above-mentioned project for your review and approval. The Township will be soliciting bids for a project to install new public water main on Stoneleigh, Ardmore, Compton, Vernor, Barchester, Conmoore, Brightmore and Sandhurst in the Vernor Estates subdivision.

The project consists of installing new 8" and 12" HDPE water main via pipe bursting and horizontal directional drilling with some open-cut sections at valves, hydrants, fittings and connections to the Township's water system. Installing new gate valves, fire hydrants and water service lines via open-cut or directional drilling where possible. Proposing to replace pavement on roads where removed at isolated excavations to install new water main and water service connections. Pavement replacement cross-sections are shown on drawings. No lane closures on major roads are proposed. Daily lane closures on residential streets during utility installation as work progresses through neighborhood. Two-way traffic will be maintained using flag control as needed. Access to driveways will be maintained during construction.

If you have any questions or require any additional information, please contact the undersigned.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.



Karyn M. Stickel, P.E.
Senior Associate



Christopher N. Ross, P.E.
Project Engineer

CR/JV

Attachment

pc: Bloomfield Township; Mr. R. Corey Almas, P.E., Mr. Paul Palace
HRC; File



QUALITY LIFE THROUGH GOOD ROADS:
ROAD COMMISSION FOR OAKLAND COUNTY
"WE CARE."

Board of Road Commissioners

James Esshaki
Commissioner

Eric D. McPherson
Commissioner

Nancy Quarles
Commissioner

Dennis G. Kolar, P.E.
Managing Director

Gary Piotrowicz, P.E., P.T.O.E.
Deputy Managing Director
County Highway Engineer

Department of
Customer Services
Permits

2420 Pontiac Lake Road
Waterford, MI
48328

248-858-4835

www.rcocweb.org

April 01, 2025

BLOOMFIELD, CHARTER TOWNSHIP OF
4200 TELEGRAPH ROAD
BLOOMFIELD HILLS, MI 48303

RE: Application Number 25-0457

Dear Applicant:

Your application for a permit has been approved. Prior to issuing a permit, the attached requirements must be met by you or your contractor. If the proposed work will be conducted by a contractor you hire, please provide them with the attached requirement sheet and bond form. The permit will be issued in the contractor's name.

The items required prior to permit issuance must be delivered **IN PERSON** by someone authorized to sign the permit on you or your contractor's behalf. Failure to satisfy these requests will delay permit issuance.

Thank you for your cooperation regarding this matter. If you have any questions, please feel free to the Department of Customer Services - Permits at (248) 858-4835.

Sincerely,

Scott Sintkowski, PE
Permit Engineer

Enclosures



QUALITY LIFE THROUGH GOOD ROADS:
ROAD COMMISSION FOR OAKLAND COUNTY
"WE CARE."

Board of Road Commissioners

James Esshaki
Commissioner

Eric D. McPherson
Commissioner

Nancy Quarles
Commissioner

Dennis G. Kolar, P.E.
Managing Director

Gary Piotrowicz, P.E., P.T.O.E.
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PLEASE READ AND FOLLOW CAREFULLY

THE ENCLOSED ROAD COMMISSION FOR OAKLAND COUNTY PERMIT APPLICATION NUMBER **25-0457** HAS BEEN APPROVED.

PERMIT ISSUANCE IS CONTINGENT UPON THE FOLLOWING REQUIREMENTS BEING MET AND DELIVERED **IN PERSON** TO THE DEPARTMENT OF CUSTOMER SERVICES - PERMITS, AS THE PERMIT **MUST BE SIGNED** BY AN AUTHORIZED REPRESENTATIVE.

****CHECK REMITTER OR CREDIT CARD HOLDER, PRINCIPAL ON BOND, AND INSURED MUST ALL BE IN THE SAME NAME!****

1. CONSTRUCTION BOND AMOUNT OF: \$15,000.00

EITHER by your insurance or bonding company on enclosed **FORM 75** (must have an embossed or sticker seal and power of attorney attached); OR a cash bond using a company check, cashier's check, certified check, money order, credit card or cash.

2. FEES

A. PERMIT FEE	\$250.00
B. DEPOSIT	\$500.00
C. ESTIMATED INSPECTION FEE	\$3,000.00
D. PAINT FEE	\$0.00
E. SIGN FEE	\$0.00
F. SIGNAL FEE	\$0.00
TOTAL FEES DUE AT PERMIT ISSUANCE	\$3,750.00

3. METHOD OF PAYMENT:

COMPANY CHECK - NAME MUST BE THE SAME AS PRINCIPAL ON BOND AND NAMED INSURED

CASH - EXACT CASH ONLY, WE ARE UNABLE TO MAKE CHANGE

MONEY ORDER - BANK MUST SUPPLY COMPANY NAME AS REMITTER

CASHIERS CHECK - BANK MUST SUPPLY COMPANY NAME AS REMITTER

CERTIFIED CHECK - BANK MUST SUPPLY COMPANY NAME AS REMITTER

CREDIT CARD - PICTURE ID REQUIRED (ENHANCED ACCESS FEES APPLY)

MAKE CHECKS PAYABLE TO: Road Commission for Oakland County

4. CERTIFICATE OF INSURANCE:

A current, valid certificate of insurance on an ACORD form is required. The certificate must name "The Road Commission for Oakland County" as a certificate holder and as **an additional insured**. The insurance must include the following coverage:

General Liability Coverage

Bodily Injury and Property Damage Liability:	or: Combined Single Limit (CSL):
Each Person \$1,000,000	Aggregate \$2,000,000
Each Occurance \$1,000,000	
Aggregate \$2,000,000	

4/1/2025

Application # 25-0457

Contact:

Phone: 248-433-7700

PERMIT DESCRIPTION

The following is a permit description ONLY. It shall not be construed to be a permit and shall become valid only after the permit is acquired.

This is a permit to:

APPROVED AS NOTED ON THE PLANS

REPLACE APPROXIMATELY 13,558 LF OF EXISTING WATER MAIN VIA PIPE BURSTING METHOD AND HORIZONTAL DIRECTIONAL DRILLING, AS WELL AS REPLACEMENT OF VALVES AND HYDRANTS, ON VARIOUS STREETS IN THE VERNOR ESTATES (SOUTH OF LONG LAKE ROAD, WEST OF LAHSER ROAD). RESTORE DISTURBED ROADWAY PAVEMENT, DRIVEWAY APPROACH, AND ALL AREAS WITHIN THE RIGHT-OF-WAY.

SUBCONTRACTORS AND ANY OTHER PARTIES WORKING ON BEHALF OF THE PERMITTEE SHALL BE MADE AWARE OF THE TERMS OF THE PERMIT, AND BE PROVIDED WITH ACCESS TO RCOC "PERMIT RULES, SPECIFICATIONS AND GUIDELINES."

WITHIN THE COUNTY RIGHT OF WAY, MAINTAIN A MINIMUM DEPTH OF 4' BELOW EXISTING ROAD SURFACE OR EXISTING GRADE OVER INSTALLATION, WHICHEVER IS LOWER. CLASS II SAND BACKFILL SHALL BE USED WITHIN THE ROADBED INFLUENCE. PRIOR TO WORKING ON OR NEAR A PUBLIC UTILITY, ADVANCED NOTICE MUST BE GIVEN TO THE OWNER OF SAID UTILITY, AND ANY NECESSARY CONSENT AND/OR PERMITS OBTAINED.

THE UNDERGROUND CROSSINGS SHALL BE BORED, WITH BORING PITS SITUATED AT LEAST 10 FEET FROM EDGES OF PAVEMENT. FIELD VERIFY LOCATION AND DEPTH OF CONFLICTING UTILITIES PRIOR TO BORING. WHEN LOCATING UTILITIES UNDER THE ROAD, PAVEMENT SHALL BE CORE DRILLED, THE BASE HYDRO-EXCAVATED, BACKFILLED WITH FLOWABLE FILL, AND THE PAVEMENT CORE REPLACED WITH EPOXY OR HYDRAULIC CEMENT.

FIXED OBJECTS SHALL BE NO NEARER THAN 6 FEET FROM BACK OF FINISHED CURB. REMOVE OR RELOCATE EXISTING FIXED OBJECTS PRIOR TO CONSTRUCTION.

NOTIFY INSPECTOR OR PERMIT SUPERVISOR 48 HOURS PRIOR TO BEGINNING WORK.

PROPER SIGNING IS REQUIRED BEFORE BEGINNING WORK WITHIN THE RIGHT-OF-WAY. MAINTAIN TWO-WAY TRAFFIC AT ALL TIMES. LANE CLOSURES SHALL BE RESTRICTED TO THE HOURS OF 9 AM TO 3 PM MONDAY THROUGH FRIDAY, OR DURING DAYLIGHT HOURS ON WEEKENDS.

PAVEMENT SHALL, AT MINIMUM, MATCH EXISTING THICKNESS, AND CONSIST OF RCOC APPROVED HMA MIXES, OVER A SUITABLE BASE, AS DETERMINED BY RCOC. PEDESTRIAN FACILITIES SHALL BE CONSTRUCTED IN COMPLIANCE WITH A.D.A. DESIGN CRITERIA.

All construction shall be in accordance with the attached approved plan and application on file for **BLOOMFIELD, CHARTER TOWNSHIP OF.**

as prepared by **HUBBELL ROTH & CLARK INC**

and with the RCOC Supplementary Permit Specifications as follows:

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE ATTACHED APPROVED PLAN AND APPLICATION ON FILE WITH THE ROAD COMMISSION FOR OAKLAND COUNTY PERMIT RULES, SPECIFICATIONS, AND GUIDELINES DATED MARCH 14, 2013.

ROAD COMMISSION FOR OAKLAND COUNTY
DEPARTMENT OF CUSTOMER SERVICES - PERMITS
2420 PONTIAC LAKE ROAD-WATERFORD, MI 48328

(248) 858-4835

CONSTRUCTION BOND

SURETY BOND # _____

KNOW ALL MEN BY THESE PRESENTS:

That _____ of
_____, as Principal, and
_____, of
_____,

duly authorized to transact business in the State of Michigan, as surety, are held and firmly bound unto the BOARD OF COUNTY ROAD COMMISSIONERS OF THE COUNTY OF OAKLAND, a Michigan public body corporate, in the penal sum of _____ (\$ _____) DOLLARS, lawful money of the United States of America, to be paid to the said BOARD OF COUNTY ROAD COMMISSIONERS OF THE COUNTY OF OAKLAND, or to its attorney, successor or assigns, to which payment well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns and each and every one of them firmly be these presents.

SEALED with our seals and dated this _____ day of _____, 20 _____.

WHEREAS, The above bounden _____ has made application to the BOARD OF COUNTY ROAD COMMISSIONERS OF THE COUNTY OF OAKLAND for a permit for construction within the right-of-way as stated in the application for said permit.

NOW, THEREFORE, The condition of this obligation is such that in case said permit is granted, if the said _____, the above bounden, shall construct and maintain such work in the manner prescribed in the permit therefor issued by said BOARD OF COUNTY ROAD COMMISSIONERS OF THE COUNTY OF OAKLAND and shall well and truly pay all damages on account of such construction and maintenance, and all other damages, fines and penalties which he shall become liable to pay, and shall save said BOARD OF COUNTY ROAD COMMISSIONERS OF THE COUNTY OF OAKLAND harmless from all suits, claims, damages and proceedings of every kind arising out of the construction and maintenance of said work, and shall observe all the terms and conditions of the permit to be issued, then this obligation to be void, otherwise of full force and virtue.

THIS BOND SHALL NOT EXPIRE UNTIL SUCH TIME AS THE PERMIT, FOR WHICH THIS BOND IS REQUIRED, IS RELEASED.

Signed, sealed and delivered in the presence of

Witness

Witness

Witness

Witness

Principal

Principal's Signature

Printed Name & Title

P.O. Box, Address, Street

City, State, Zip

Telephone

Surety

Surety's Signature

P.O. Box, Address, Street

City, State, Zip

Telephone

NOTE: INCOMPLETE OR INVALID SURETY ADDRESSES DELAYS RELEASE OF BOND, IN WHICH CASE WE WILL RELEASE TO THE PRINCIPAL FOR THEIR RECORDS.

Road Commission for Oakland County

CREDIT/DEBIT CARD PAYMENTS

VISA - MASTERCARD - AMERICAN EXPRESS - DISCOVER



ENHANCED ACCESS FEES

Price Range	Enhanced Access Fee
\$0.00 to \$49.99	\$2.50 flat rate per order
\$50.00 to \$99.99	\$4.00 flat rate per order
\$100.00 to \$199.99	\$5.50 flat rate per order
\$200.00 to \$299.99	\$8.25 flat rate per order
\$300.00 to \$399.99	\$11.00 flat rate per order
\$400.00 to \$499.99	\$13.75 flat rate per order
\$500.00 to \$599.99	\$16.50 flat rate per order
\$600.00 to \$699.99	\$19.25 flat rate per order
\$700.00 to \$799.99	\$22.00 flat rate per order
\$800.00 to \$899.99	\$24.75 flat rate per order
\$900.00 to \$999.99	\$27.50 flat rate per order
\$1,000.00 and over	2.75% of order

- RCOC UNDERGROUND NOTES
- 1-CALL INSPECTOR OR PERMIT SUPERVISOR BEFORE BEGINNING ANY WORK IN R.O.W.
 - 2-"PROPER SIGNING" IS REQUIRED BEFORE ANY WORK IN R.O.W. IS STARTED
 - 3-LANE CLOSURES RESTRICTED TO 9-3 PM MON – FRI
 - 4-FLAG PERSON REQUIRED FOR TEMPORARY ONE LANE ROADS
 - 5-MAINTAIN TWO-WAY TRAFFIC AT ALL TIMES
 - 6-HAND DIG AROUND ALL UTILITIES
 - 7-KEEP ROADS CLEAN OF DIRT AND DEBRIS
 - 8-WITHIN THE INFLUENCE OF THE ROADBED MDOT CLASS II, SAND, COMPACTED TO 95% MAX. UNIT DENSITY IS REQUIRED
 - 9-ALL ROADS AND DRIVE CROSSING TO BE DIRECTIONAL BORE OR JACK CASE AND BORING
 - 10-ALL BORING PITS ARE TO BE SITUATED AT LEAST TEN FEET FROM EDGE OF PAVEMENT
 - 11-MIN. DEPTH FOUR FEET UNDER ROADBED OR EX. GRADE WHICHEVER IS LOWER
 - 12-UNDERGROUND UTILITIES TO BE 1 FOOT OFF R.O.W.
 - 13-MUST CORE PAVEMENT AND BACKFILL WITH FLOWABLE FILL TO VERIFY ALL UTILITY LOCATIONS
 - 17-SUITABLE BASE TO BE DETERMINED BY RCOC DIRECTOR IN THE FIELD
 - 18-RAMPS & SIDEWALKS MUST MEET ADA SPECIFICATIONS

- REMOVE OR RELOCATE
FIXED OBJECTS
PRIOR TO EXCAVATION
- LIMITS OF PAVEMENT
REMOVAL SHALL BE
DETERMINED IN THE FIELD BY
RCOC INSPECTOR FOR FINAL
PAVEMENT REPAIR
- FIXED OBJECTS TO BE
MINIMUM 6 FEET OFF
BACK OF CURB OR 12 FEET
OFF EDGE OF PAVEMENT
- FULL DEPTH SAWCUT
AND/OR MILL A BUTT JOINT,
WITH LOCATION/WIDTH
AS DIRECTED BY
RCOC INSPECTOR
- MATCH EXISTING CROSS SECTION
M.D.O.T. E MIX H.M.A.
REQUIRED
ADDITIONAL M.D.O.T. 21AA
AGGREGATE MAYBE WARRANTED



ADMINISTRATION

SUPERVISOR: MIKE McCREADY
CLERK: MARTIN C. BROOK
TREASURER: MICHAEL SCHOSTAK

TRUSTEES

NEAL BARNETT
CHRIS KOLINSKI
MARK ANTAKLI
VALERIE MURRAY

ENGINEERING & ENVIRONMENTAL
SERVICES DEPARTMENT

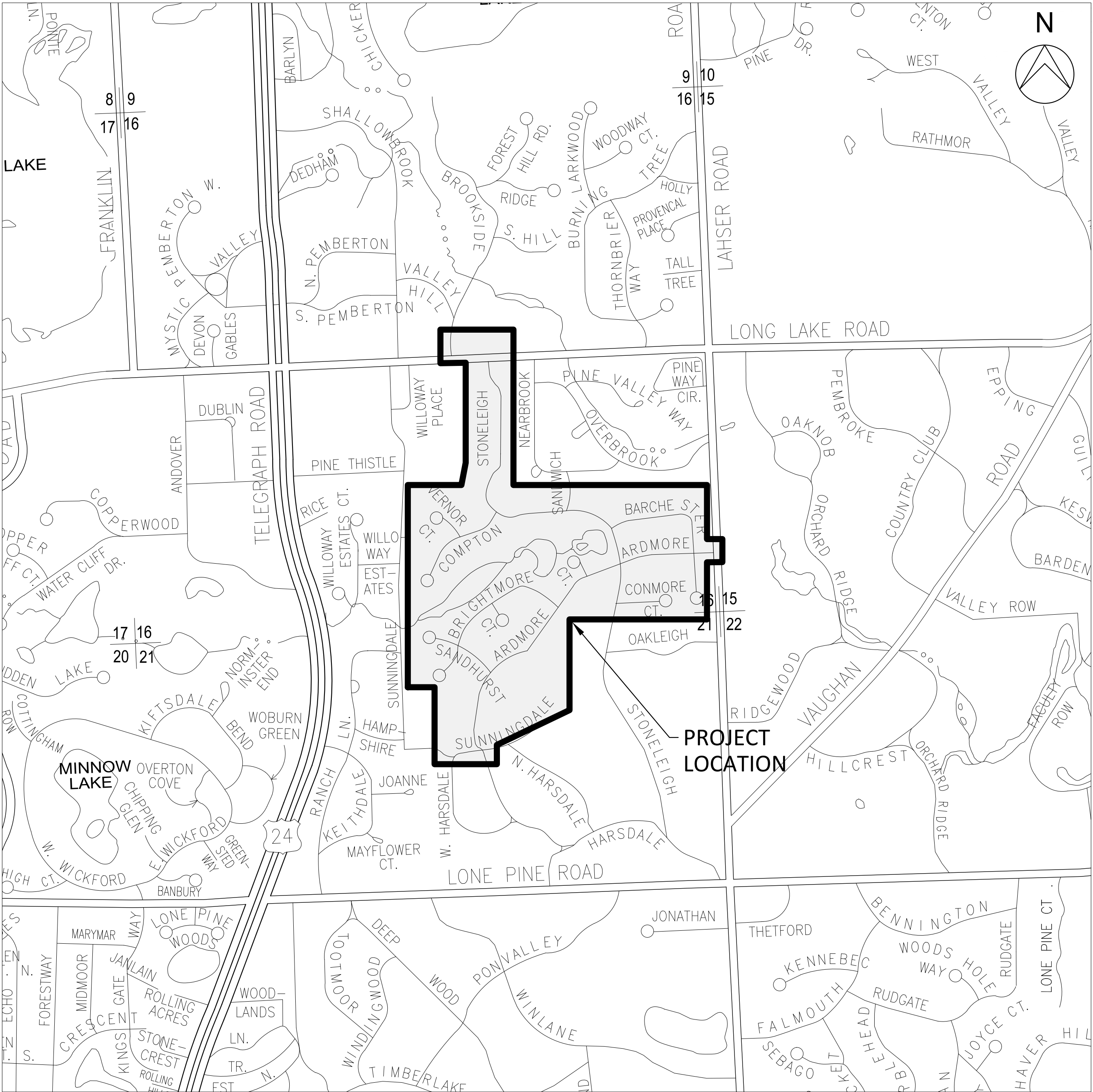
DIRECTOR: R. COREY ALMAS, P.E.

DEPARTMENT OF PUBLIC WORKS

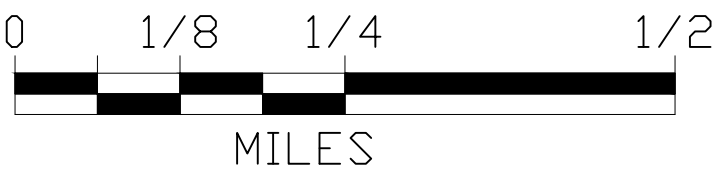
DIRECTOR: NOAH MEHALSKI

VERNOR ESTATES WATER MAIN REPLACEMENT

CHARTER TOWNSHIP OF BLOOMFIELD
OAKLAND COUNTY, MICHIGAN
HRC JOB NO. 20230860



PROJECT
LOCATION



SEE RCOC PERMIT, RULES,
SPECIFICATIONS AND
GUIDELINES

25-0457

ROAD COMMISSION FOR OAKLAND COUNTY
RECEIVED
Mar 12 2025
DEPARTMENT OF CUSTOMER
SERVICES PERMITS

APPROVED
FOR CONSTRUCTION PERMIT

ROAD COMMISSION FOR OAKLAND COUNTY
PERMITS OFFICE

BY:

04/02/2025 10:49:41 AM

LIST OF DRAWINGS

DRAWING NO.	DRAWING TITLE
A	COVER
B	PROJECT NOTES
C	PROJECT NOTES & DETAILS
D	HDPE WATER MAIN DETAILS
1-7	PROJECT AREA MAP
8-14	STONELEIGH RD
15-16	ARDMORE DR
17	COMPTON WAY
18-21	VERNOR CT
22	BARCHESTER DR
23	CONMOORE CT
24-27	ARDMORE CT
28-29	BRIGHTMORE RD
30-31	SANDHURST RD
32-33	SOIL BORING LOGS
	S.E.S.C. SHEETS
	BLOOMFIELD TOWNSHIP WATER MAIN STANDARD DETAILS
	BLOOMFIELD TOWNSHIP SANITARY SEWER STANDARD DETAILS
	BLOOMFIELD TOWNSHIP STORM SEWER STANDARD DETAILS
	OCWRC S.E.S.C. DETAILS

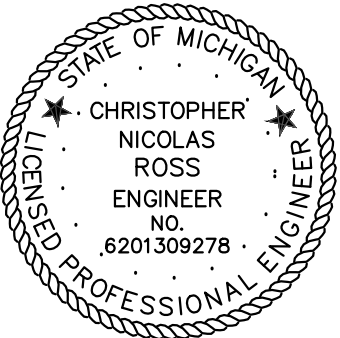
HRC
HUBBELL, ROTH & CLARK, INC
CONSULTING ENGINEERS SINCE 1915



CALL MISS DIG
72 HOURS
(3 WORKING DAYS)
BEFORE YOU DIG
1-800-482-7171
or 811
CALL811.COM (TOLL FREE)

555 HULET DRIVE
BLOOMFIELD HILLS, MICH.
P.O. BOX 824
48303 - 0824

PHONE: (248) 454-6300
FAX (1st. Floor): (248) 454-6312
FAX (2nd. Floor): (248) 338-2592
WEB SITE: http:// www.hrc-engr.com



1-17-25	REVISED WATER SERVICE LINES
10-3-24	ISSUED FOR PERMITS
8-26-24	ISSUED FOR OWNERS REVIEW
DATE	ADDITIONS AND/OR REVISIONS