PLANNING & DEVELOPMENT DEPARTMENT
2 WOODWARD AVE SUITE 808, DETROIT, MI 48226

HISTORIC DISTRICT COMMISSION

CERTIFICATE OF APPROPRIATENESS

Application Number: HDC2025-00387

Effective Date: 10/14/25

Project Address: 6301 W JEFFERSON,DETROIT, MI

Issued to: Jonathon Ferris
555 S. Saginaw Street, Suite 201
Flint, MI 48502

Historic District: Fort Wayne

Description of Work:

Excavate and install natural gas pipeline and meters

COA

With the Conditions that:

- The archaeological monitoring during the drilling and excavation work will be reported to staff in real time and notified if archaeological items are located.
- If the pathway of work needs to be altered for any reason, work will stop immediately. The applicant will notify staff of the pause of work and will apply for the Commission's review of the proposed changes and the reasons for the change.
- When 302, 303, 312 and 314 are repaired/rehabilitated to the level needed for the installation of gas service, DTE or its contractor will submit to staff details illustrating the placement and installation method of the exterior meter(s) as well as a cut sheet of the meter and its associated frame and pipes.

Pursuant to Section 5(10) of the Michigan Local Historic District Act, as amended, being MCL 399.205 (10) and Sections 21-2-57 and 21-2-73 of the 2019 Detroit City Code, and Detroit Historic District Commission ("DHDC") delegation of administrative authority via Resolutions 97-01, 97-02, 98-01, 20-03, 21-04, and/or 21-07, as applicable, the staff of the DHDC has reviewed the above referenced application and hereby issues a Certificate of Appropriateness ("COA") for the description of work, effective date above, as it meets the Secretary of the Interior's Standards for Rehabilitation and the district's Elements of Design

For the Commission:

Garrick Landsberg
Director of Staff, Historic District Commission

PSR: Audra 251014AD

Post this COA at the subject property until work is complete. It is important to note that approval by the DHDC does not waive the applicant's responsibility to comply with any other applicable ordinances or statutes.

DRAWING NAME:
BRADY (-)-DETROIT-SWDET3-2024-REV-0

DTE | WADE TRIM

NAME OF STREET	E-O-R	P.I.	SCALE	MARGIN	PAVT	PROJECT ID: 5SDRD00344673
BRADY	-	30'	-	-	-	STREET: BRADY
						FROM: NORTH OF GIBBS
						TO:
						WORK ORDER NUMBERS:
						R-00: 60228446
						R-01: 60265443

DRAWING NO.: WT# 3455 | CITY: DETROIT | COUNTY: WAYNE | PAGE: 1 OF 1

DESIGNED BY: DAVID LANGSTON 08/07/2023 | DISTRIBUTION PRE- REVIEW:

DESIGN APPROVAL BY: NATHANIEL NAZARENO 08/09/2023 | DISTRIBUTION APPROVAL: | CORROSION APPROVAL: D. SPONSELLER 08/31/2023 | DISTRIBUTION POST APPROVAL:

DESIGN VENDOR: WADE TRIM
555 S WOODWARD ST., SUITE 201 PLANT, MICHIGAN 48302 810-230-2599

DESIGN APPROVAL: D. JAMES 08/16/2023

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK PERFORMED AND ALL EQUIPMENT AND MATERIALS INCORPORATED INTO THE WORK. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND ORDERS OF ANY PUBLIC AUTHORITY HAVING JURISDICTION OVER THE WORK. THE CONTRACTOR SHALL NOTIFY CORROSION CONTROL TO PERFORM CURRENT REQUIREMENT TEST AND CAUTION MARKER INSTALLATION PRIOR TO TIE-IN.

APPROVAL: D. JAMES 08/16/2023

PERMITS REQUIRED: R.R. X | EASE. - | MUN. - | COUNTY X | MDOT - | HIST. - | ENV. -

CALL 811 Know what's below. Call before you dig. | MISS DIG 1-800-482-7171

REVISION HISTORY

No.	DATE	REVISION DESCRIPTION
0	09/08/2023	ISSUED FOR CONSTRUCTION

DTE GENERAL NOTES

04/12/2022

GENERAL NOTES:
1. ALL WORK AND MATERIALS SHALL MEET THE REQUIREMENTS OF APPLICABLE DTE GAS DISTRIBUTION & TRANSMISSION STORMS (DTE) STANDARDS, SPECIFICATIONS, AND PROCEDURES, THE MICHIGAN OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (MIOSHA), 1969 CONSTRUCTION SAFETY STANDARDS, AND APPLICABLE OPERATOR QUALIFICATION (OQ) REQUIREMENTS.
2. PERFORM A FIELD REVIEW OF THE PROPOSED INSTALLATION IN COMPARISON WITH THE EXISTING FIELD CONDITIONS PRIOR TO BEGINNING WORK. NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES. DO NOT BEGIN CONSTRUCTION UNTIL ALL DISCREPANCIES HAVE BEEN RESOLVED AND IDENTIFIED THAT PROPER AS-BUILT INFORMATION HAS BEEN RECEIVED. NOTIFY MISS DIG AT 811 OR 1-800-482-7171.
3. CONTACT THE MICHIGAN ONE-CALL CENTER (MISS DIG) AT 811 TO REQUEST MARK-OUT OF BURIED UTILITIES AT LEAST 72 HOURS IN ADVANCE OF EXCAVATION. CONTACT DTE GAS AT 1-800-947-2700 TO REQUEST MARK-OUT OF DTE GAS FACILITIES. FOLLOW ALL APPLICABLE PROCEDURES & LAWS.
4. ALL EXCAVATION SHALL BE PERFORMED PER THE SPECIFICATIONS FOR THE JURISDICTIONAL AUTHORITY.
5. TRAFFIC CONTROL SHALL BE IMPLEMENTED AND PERFORMED PER THE LATEST EDITION OF THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD).
6. ALL TRENCHING AND EXCAVATIONS SHALL BE PERFORMED PER MIOSHA RULES AND REGULATIONS.
7. ALL CUSTOMER GAS, GAS LINES SHALL BE INSTALLED PER THE LATEST EDITION OF THE MICHIGAN RESIDENTIAL CODE AND MICHIGAN MECHANICAL CODE.
8. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH DTE STANDARDS, SPECIFICATIONS, AND PROCEDURES. THE MOST RECENT VERSIONS OF DTE STANDARDS AND PROCEDURES MUST BE APPLIED, UNLESS OTHERWISE PRIOR TO THE BEGINNING OF WORK.
9. REFER TO O&T PROCEDURE 10.20 FOR POST-CONSTRUCTION REQUIREMENTS, INCLUDING END-OF-DAY LEAK CHECKS FOLLOWING BACKFILL AND FINAL LEAK SURVEY REQUIREMENTS WITHIN 30 DAYS.
10. MARK BACK OF PLUGS IN ACCORDANCE WITH DTE PROCEDURE 10.20.

STEEL GAS:
1. ALL WELDING SHALL BE PER DTE GAS MATERIAL STANDARD MS 13.0 - ANY FITTING SHALL BE PER THEIR APPLICABLE MATERIAL STANDARD
2. ALL WELDING SHALL BE PERFORMED PER DTE STANDARD QT AND APPLICABLE DTE GAS WELDING PROCEDURES. THE WELDING PROCEDURE SHALL BE QUALIFIED PER API 1104 AND ASME B31.8 AND B31.8S AND DTE GAS WELDING PROCEDURES.
3. METALLIC GAS PIPING SHALL BE COATED IN ACCORDANCE WITH DTE STANDARD 401 WITH APPROVED COATING MATERIALS LISTED IN 3M 6233 AND 3M 6244. ALL FIELD CUTS, DAMAGED COATING, AND WELDS SHALL BE RECOATED WITH APPROVED COATING MATERIALS.
4. ALL TIE-IN WELDS OR SYSTEMS >100 PSIG MUST BE RADIOGRAPHED OR ULTRASONIC TESTED IN ACCORDANCE WITH DTE PROCEDURE 10.20.

POLYETHYLENE GAS:
1. ALL FUSING SHALL BE PER DTE GAS MATERIAL STANDARDS MS 13.0 & 13.6, ANY FITTINGS SHALL BE PER THEIR APPLICABLE MATERIAL STANDARD - REFER TO MATERIAL STANDARD MS 14.2 FOR ELECTROFUSION FITTINGS AND TO MATERIAL STANDARD MS 18.0 FOR HEAT FUSION FITTINGS.
2. ALL BUTT FUSIONS OR ELECTROFUSIONS MUST BE PERFORMED BY QUALIFIED PERSONNEL. 1 TIE PROCEDURE MUST BE WITNESSED BY DTE GAS PERSONNEL.
3. ZONING OF POLYETHYLENE MATERIALS SHALL BE PERFORMED PER DTE STANDARDS 38-04, 39-04, AND DTE PLASTIC PIPE ZONING PROCEDURES.
4. ALL PLASTIC PIPE SHALL BE MARKED WITH THE PROPER TRACER WIRE SERVICE LINES IN ACCORDANCE WITH DTE PROCEDURE 10.10.
5. FIELD COLD BENDS OF POLYETHYLENE PIPE MUST BE PERFORMED PER DTE PROCEDURE 10.10 UNLESS OTHERWISE SPECIFIED.

METERS:
1. ALL METER/REGULATOR SERVICE LINE AND SERVICE REGULATOR INSTALLATIONS SHALL BE ACCESSIBLE AND VERIFY THE APPROVED SERVICE KIT TYPE IS CORRECT. CONTACT ENGINEERING REGARDING ANY DISCREPANCIES. ANY SERVICES LINE THAT CONSISTS OF MULTIPLE MATERIAL TYPES (STEEL/PLASTIC) SHALL BE INSTALLED PER DTE STANDARD 38-04 AND DTE PROCEDURE 10.10. ALL SERVICE LINES SHALL BE INSTALLED IN ACCORDANCE WITH DTE STANDARD 38-04 AND DTE PROCEDURE 10.10.
2. ALL METERS SHALL BE INSTALLED PER DTE STANDARD 39-04 AND DTE PROCEDURE 10.10 AND DTE PROCEDURE 10.15.
3. ANY EXISTING SERVICE LINE IT OR LONGER, REQUIRING ELECTRICAL PROFILE, OR WITH A METER OF ALIGN OR LARGER METER SHALL BE REVISED TO MEET CURRENT DTE STANDARDS AND PROCEDURES.
4. SERVICE REGULATORS SHALL BE REMOVED FOR THE NEW STEEL/PLASTIC SERVICE ON DTE DRAWING CLIENS FOR CUSTOMERS REQUESTING TEMPORARY SERVICE. REFER TO DTE STANDARD 39-04 AND DTE PROCEDURE 10.10 FOR TEMPORARY SERVICE REQUIREMENTS.
5. SINGLE FAMILY RESIDENTIAL SERVICE LINES TO BE CONTINUOUSLY OPERATED ABOVE 10 PSIG SHALL BE EQUIPPED WITH AN EXCESS FLOW VALVE (EFV) PER DTE STANDARD 39-04 AND DTE PROCEDURE 10.10. REFER TO DTE PROCEDURE 10.10 FOR EFV EXCEPTIONS.
6. SINGLE FAMILY CUSTOMER METER ASSEMBLIES SHALL BE INSTALLED PER DTE PROCEDURE 10.15.

CORROSION CONTROL:
1. CORROSION CONTROL APPROVAL IS REQUIRED FOR:
   a. INSTALLING NEW STEEL FITTINGS, RISERS, COUPLINGS, AND/OR ENCASING EXISTING STEEL
   b. INSTALLING NEW STEEL FITTINGS, RISERS, COUPLINGS, AND/OR ENCASING EXISTING STEEL SEGMENTS, BETWEEN STEEL AND PLASTIC MAINS OR SERVICES
   c. ANY PIPE OR FITTING EXPOSED FOR MAINTENANCE
2. CONTACT CORROSION CONTROL FOR ADDITIONAL REQUIRED MINOR MAINTENANCE STEEL SWAGE AND SERVICES.
3. FOR SERVICE TO MAIN CONNECTIONS, REFER TO O&T PROCEDURE 5.16. DRAWING CLIDS FOR CATHODIC PROTECTION REQUIREMENTS ON BOTH STEEL AND PLASTIC MAINS AND SERVICES. REFER TO DTE STANDARD 38-04 AND DTE PROCEDURE 10.10 FOR CATHODIC PROTECTION REQUIREMENTS ON BOTH STEEL AND PLASTIC SERVICES.
4. UNLESS OTHERWISE SPECIFIED BY CORROSION CONTROL, VALVES AND TEST WAYS MUST BE INSTALLED ON EACH DISTRICT STEEL COMPONENT INSTALLED. REFER TO DTE STANDARD 38-04 AND DTE PROCEDURE 10.10 FOR VALVE AND TEST WAY REQUIREMENTS ON STEEL MAINS AND SERVICES.
5. ALL STEEL MAINS INSTALLED BY CORROSION CONTROL, INCLUDING ALL STEEL TO CAST IRON AND STEEL TO STEEL MAIN WELDS, TO STEEL MAIN WELDS AND ELS TEST WAYS IN 4" PVC BOX OR TIE-IN FITTINGS PER O&T PROCEDURE 5.1 AND 5.16. CONTACT CORROSION CONTROL DEPARTMENT TO INSTALL TEST WAYS ON ALL STEEL MAINS AND SERVICES.
6. INSTALLATION OF NEW STEEL MAIN AND SERVICE PIPELINES SHALL FOLLOW REQUIREMENTS OUTLINED IN DTE GAS PROCEDURE 10.10 AND DTE GAS PROCEDURE 10.20. ALL NEW STEEL MAINS AND SERVICES SHALL BE CATHODICALLY PROTECTED WITHIN 12 MONTHS OF INSTALLATION. CONTACT CORROSION CONTROL FOR CATHODIC PROTECTION SURVEY AFTER INSTALL AND BEFORE BACKFILL. CONTACT CORROSION CONTROL TO PERFORM CURRENT REQUIREMENT TEST AND CAUTION MARKER INSTALLATION PRIOR TO TIE-IN.
7. NOTIFY CORROSION CONTROL UPON COMPLETION OF WORK INCLUDING NEW TEST WIRE INSTALLED AND THEIR LOCATIONS.

PRESSURE TESTING:
1. WORK AND ITEMS NOT SERVICE LINES SHALL BE TESTED IN ACCORDANCE WITH DTE STANDARD 38-04 AND O&T PROCEDURE 10.10. EXISTING SERVICE LINES SHALL BE TESTED IN ACCORDANCE WITH DTE PROCEDURE 10.10.
2. ALL PRESSURE TESTS MUST BE WITNESSED BY THE ASSIGNED INSPECTOR. THE INSPECTOR AND INDIVIDUAL WHO PERFORMED THE TEST MUST SIGN THE TEST RECORD.

PRESSURE TEST SPECIFICATIONS		COMPLETED PRESSURE TEST INFORMATION	
SYSTEM MAOP	60 PSIG	TEST PRESSURE	90 PSIG
MIN TEST PRESSURE	90 PSIG	TEST DURATION	24HRS
MAX TEST PRESSURE	99 PSIG	TEST DURATION	24HRS
ACCEPTABLE TEST METHOD	CHARTED	ACCEPTABLE TEST METHOD	CHARTED
LIGHT LOAD REQUIRED	YES	LIGHT LOAD REQUIRED	YES
PRESSURE TO FOR TEST DURATION	90 PSIG	PRESSURE TO FOR TEST DURATION	90 PSIG

Historic Fort Wayne

DTE Gas Renewal on Meige and Cram Streets

Overview:

The work along Meige, Cram and Brady Streets in Historic Fort Wayne is part of a much larger project.

In 2023, work began on the design of DTE Gas grid project Southwest Detroit 3A. The scope of the project encompassed an area bound by I-75 / Fort Street on the north, and the Detroit River on the south, going from the Rouge River on the west to the Lodge Freeway on the East.

Figure 1 Southwest Detroit 3A project area

Construction of this gas grid project began in early 2024, and is now largely completed.

The current conditions of the gas network inside of Fort Wayne:

Most of the fort is currently supplied with gas mains installed between 1975 and 2018. These mains are fed from a single point connection to a larger gas main running down West Jefferson Ave.

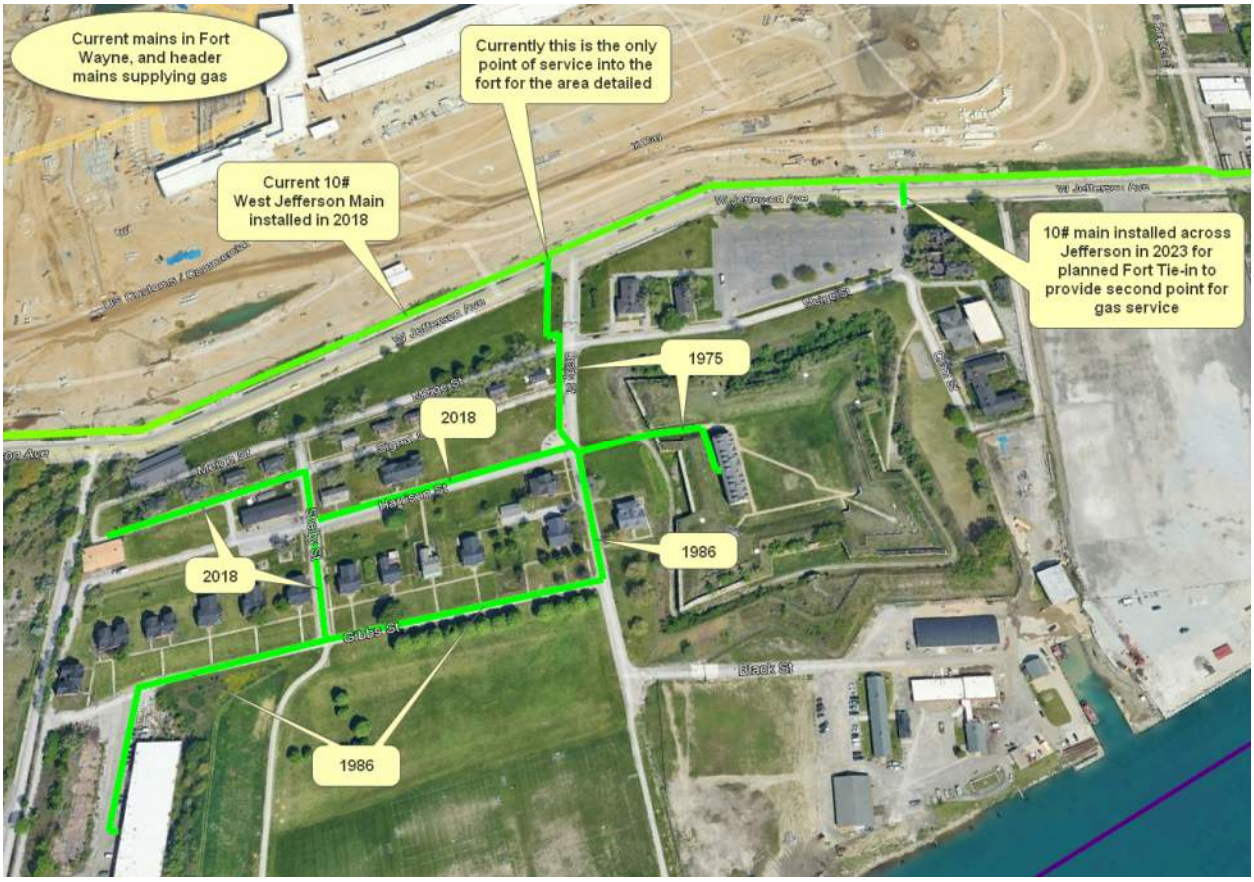


Figure 2 Current mains in Fort Wayne

The area serviced by the main network is largely west of Brady street. The garrison building in the star fort itself is supplied by a main installed in 1975, and needs no improvement at this time.

The area east of Brady has a different supply point. Currently the buildings along Meige and Cram streets are supplied by a single service line connection, that is branched multiple times. A similar situation is supplying gas to the Army Corp of Engineers facility along the south side of the star fort. These service networks are tied to an aging Cast Iron main in West Jefferson, that has segments dating back to 1901. This main needs to be taken out of service, but that cannot occur until all active services have been tied into the newer gas main network in western part of the fort, and all inactive services are confirmed to be off line.

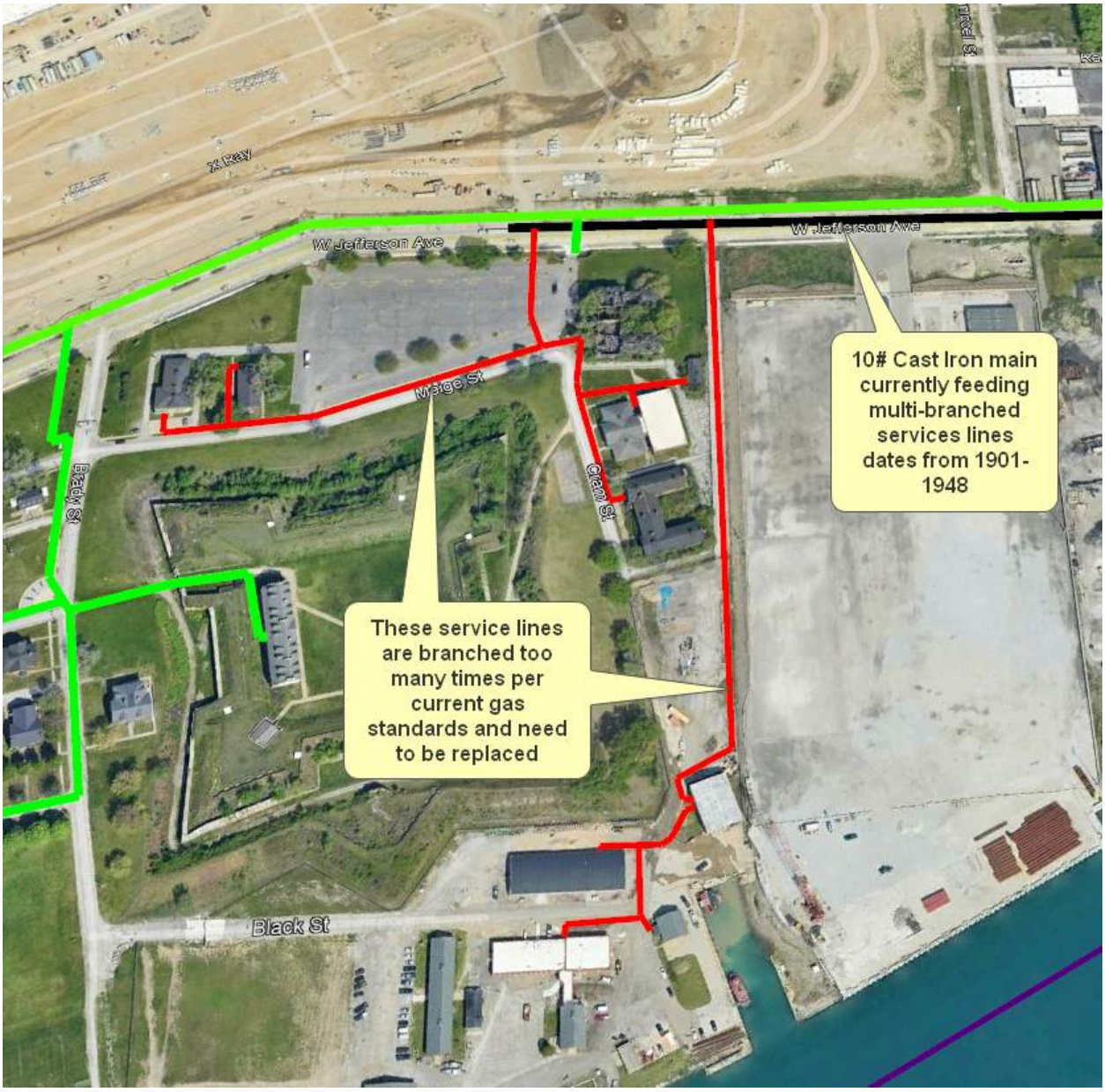


Figure 3 Service network in the east part of Fort Wayne

Proposed solution for gas for the fort east of Brady:

These service networks cannot simply be tied over to the new main in their current state. Per the Federal Gas standards, services cannot be branched more than twice. These services need to be separated for safety and future maintenance concerns.

One solution would be to run services from each building to the existing gas mains. However, we estimate that just for the Cram and Meige area, this would result in close to

2,200 feet of installation and involve crossing a freshly paved West Jefferson at least three times.

A solution for Army Corp has been approved and the easement attained with SHPO, indigenous groups and Army Corp itself for the portion along Black Street. A new main will connect to the existing main on Brady, near Gibbs St, and run into their facility along Black Street. Each building will have a separate service connection to this main.

The proposed solution for the north side of the fort is to run new mains down Meige and Cram streets. These mains will tie into the current gas system at two points: Brady Street on the west end of Meige, and into a main running across West Jefferson stopping at the gate into the parking lot at the east end of Meige. Making tie-ins at two points will provide a more reliable gas supply, not only for Meige and Cram, but the entire gas network in the fort. The total length of the installation for these mains will be less than 1,500 feet. Adding the service lines that will still be needed to run off these new mains, the total remains under 2,100 feet.

Figure 4 Proposed mains and services

Distribution mains also fall under a greater level of scrutiny than service lines. This is not to say that service lines are thrown in slip-shod or fast and loose; they are of course installed with great care. However, mains fall under an even greater level of safety regulations. For that reason, an easement is being obtained for the mains through SHPO.

Methods of Installation:

The preferred method of installation is Horizontal Directional Drilling (HDD). In HDD installation a drilling machine feeds a long line of rods which can be flexed and change direction of the drilling path. Once the drill has reached its targeted end point, pipe that has been previously welded together, or that is on a reel, can be pulled back to the drill rig. In this method only an entry and exit excavation is needed, if no existing utilities are being crossed. In the case of crossing utilities, a small "pothole" excavation must be made so that construction crews can visually see that the main being installed has a vertical clearance of the existing utility of 18 inches, either above or below, depending on the depth of the existing utility, and the minimum depth at which the main must be installed.

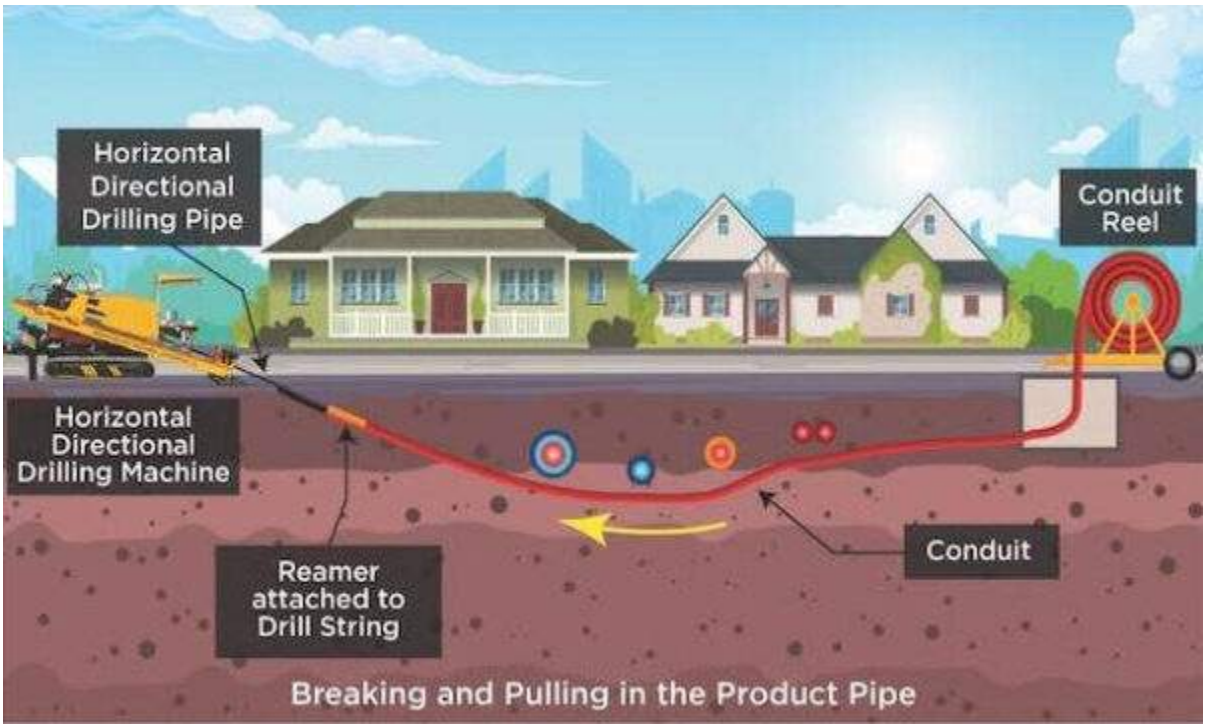


Figure 5: general HDD diagram

In cases where HDD cannot be performed, Open Trenching would be used. Open Trenching is as it sounds, excavating a long trench for the length of an installation. This method is usually used for areas that are either very crowded with existing utilities requiring that any new installation follow a very precise running line, or a wide-open area with no utilities and

no concerns for immediate restoration – like a new construction site. Sometimes open trenching is used in combination with HDD if there is a dense area of pothole excavations.

Per the email conversation that took place between Brennah Donahue and Nataniel Nazareno:

- Infrasource plans to utilize HDD whenever possible.
- Excavations at the tie-in points will range between 5'x5' to 8'x8' - depending on the situation.
- Open trenches (only if needed) are 2 to 4 feet wide.
- Utility potholes are typically 2'x2'.

Equipment Used for installations:

Per Infrasource, vehicles that could be used on site include:

- 1 – 24x40 HDD Rig**
- 1 – Box Truck – to provide water for HDD drilling.
- 1 – Hydro-Vac truck – used for smaller excavations
- 2 – JD85 Excavators – for larger excavations**
- 1- Pipefitting truck
- 1- enclosed trailer**
- 2 – pickup trucks
- 2 – 10 yard dump trucks
- 2 - Equipment trailers**
- 1 – Coil pipe trailer
- 1 – 40' pipe trailer
- Equipment marked with (**) will remain on site overnight in an approved staging area until they are no longer needed for the construction.
    - The ideal laydown/staging area for the Meige / Cram installation would be the parking lot on the north side of Meige.
    - Staging in this area would minimize the movement of any heavy equipment.
- All other trucks would leave the site every night and return the next day for as long as they are needed.

Figure 6 Stage Area

Details on the Installation of the mains along Meige and Cram:

The main being proposed has been designed to avoid installing under hard surfaces as much as possible. The installation for Meige Street is proposed to be under grass, the only exception being when crossing streets or driveways. No excavations other than utility potholes are proposed to happen in streets or driveways.

Figure 7 Area of tie-in at Brady looking down Meige

What used to be green spaces along Cram now have asphalt over them and are currently occupied by existing infrastructure. From the tie-in point on West Jefferson the main will run under the eastern end of the parking lot, then continue south under the road. The decision to go under the road rather than the sidewalk was based on the condition and age of the walks versus the road. The sidewalks are in good condition, and restoration in kind would involve acid ageing the replacement concrete. The road shows signs of recent patching and a more modern tar and chip covering.

Please refer to the Meige (1) and Cram (1) strip map drawings for the exact proposed locations.

Figure 8 Cram looking south from Meige

Other features to note with this design:

- No tree removals will be needed.
- Depending on the pothole needed for one utility crossing, there is the potential for 1 small piece of curb needing to be replaced at the corner of Meige and Cram.
- Depending on the amount of excavation required to install one fitting, 1 sidewalk flag may need to be replaced at the corner of Brady and Meige.
- Spoils and backfill materials will need to be temporarily staged on the ground near the excavations. Spoils will be hauled off site daily.

Archeological Concerns:

Everyone involved in this project is aware of the deep historical background of this site. To mitigate concerns over possible disturbances of artifacts that could be buried in the construction zone, a Ground Penetrating Radar (GPR) survey was conducted from August 27th to 29th. This was done by Ground Penetrating Radar Services from Toledo, Ohio.

Figure 9 Excerpt from GPR findings map

Utilities were located first by inducing an electro-magnetic pulse through the pipelines. This produced a signal that would be picked up by a scanning wand to mark the path of the utility. The next step was to go over these areas with a GPR scanner to pick up any other objects hidden under the surface.

Flagging on soft surfaces and spray markings on hard surfaces followed standards color coding:

- White – work areas
- Yellow – Gas
- Red – Electric
- Blue – Water
- Green – Storm Sewers
- Pink - unknown

The GPR scan also gave the approximate depth of the structure being detected. These depths were marked on the pavement as well.

All the points that had been flagged or painted were then captured in a GPS survey.

Figure 10 Ryan from GPRS operating the GPR unit

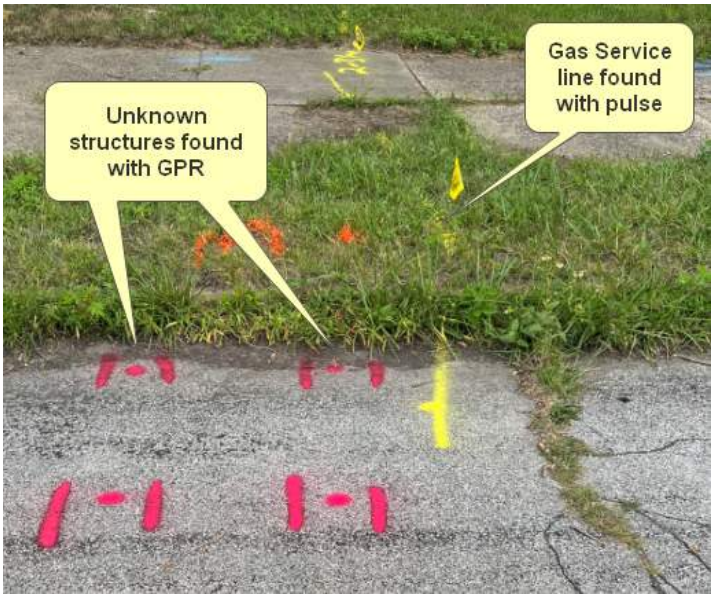


Figure 11 Paint marking and flags

The results of this GPR scan heavily influenced the current proposed running lines as described earlier. With this wealth of information, we are confident that any large object in the ground will be avoided.

During the GPR scan, SHPO requested that techs look at the area around Brady and Gibbs. This area had been scanned previously, but they wanted to see if anything would show up with a newer scanner. The area scanned was clear.

At the request of SHPO, DTE will arrange to have archeological monitoring on site, provided by an SHPO approved archeological service. Excavators and Hydro-vac trucks were mentioned in the list of equipment earlier in this narrative, however SHPO has raised concerns particularly at the south end of Cram, where the chances of coming across artifacts increases. In these areas once a hard surface has been broken through, the archeologist can request that soft digging (hand shoveling) occurs.

Sandstone Curbs:

There are no sandstone curbs in the construction area. Please see the Curb Survey document for a photo essay on the curbs along Meige and Cram.

Service Lines:

On September 8, 2025, Brennah Donahue with the Recreation Division provided us with a diagram showing which buildings they would like to have services lines ran to. The buildings framed in yellow will eventually need gas service, the building framed in red does not, as the roof has completely collapsed.

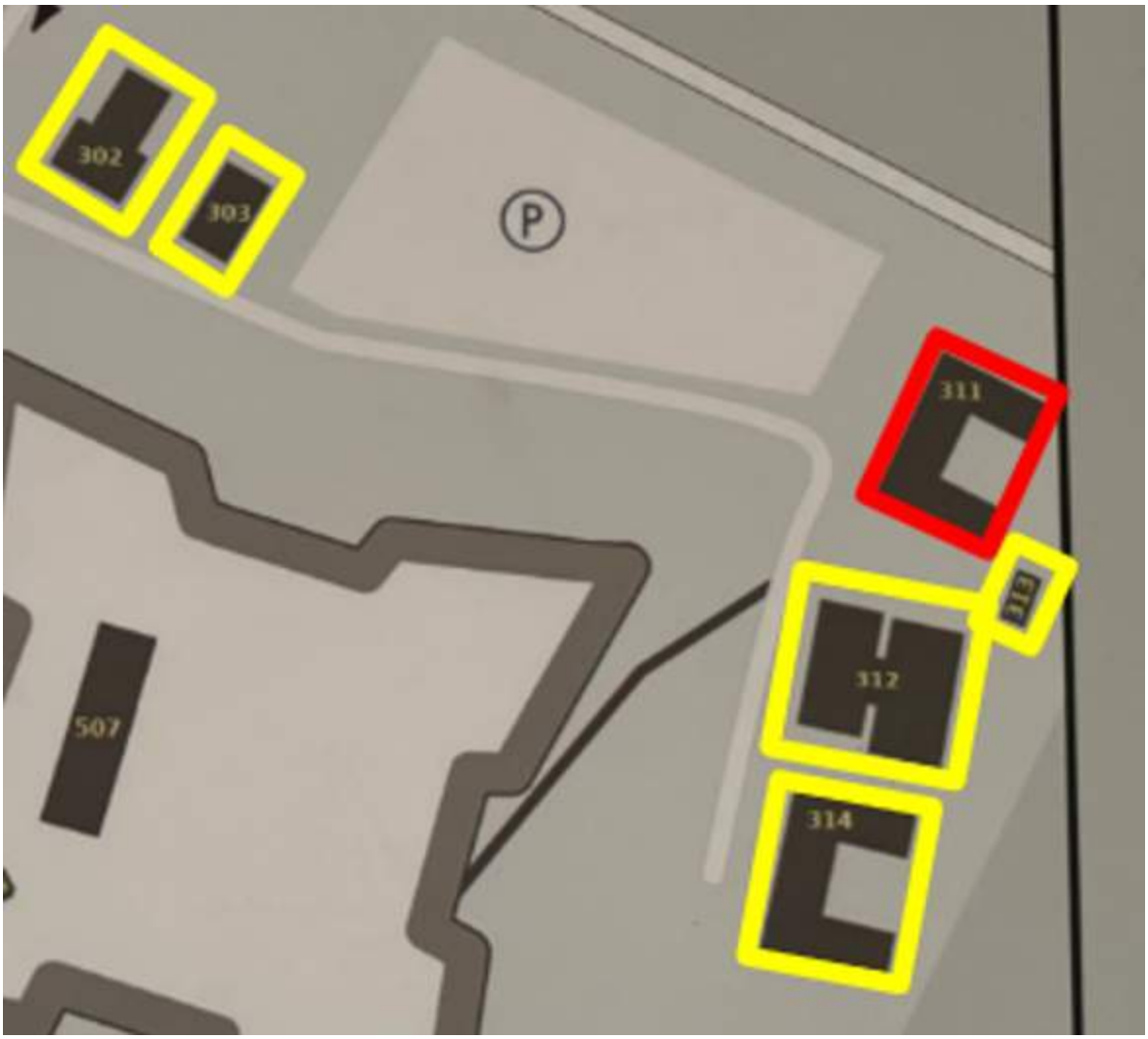


Figure 12 Excerpt from diagram provided by B.G. Donahue

SHPO has provided guidance as to what needs to be done regarding preserving the historical integrity of these buildings while providing gas service for them.

Many of these buildings are currently not in use. DTE cannot run a service line to a building that will continue to be idle for the foreseeable future. Buildings must meet certain criterium for gas to be safely operated in a structure (such as intact roof). If a service line is run to a building, a meter is put in place, and the meter does not register any usage, DTE will be regulatory forced to remove the meter.

Therefore, if a building is not in use currently, install of the service line and meter will only occur when DTE is informed that the building is going into service.

On 9/17/2025 a meeting was held on site with representatives from Detroit Parks and Rec, SHPO, DTE and Wade Trim. General plans were made for services for all these buildings,

but it was determined that none of the buildings are ready for service lines. A more detailed report on this has been sent as well.

Brady Construction:

The construction along Brady is less intense in that the footage is less, and it is mostly soft surface digging. Once again HDD will be the preferred method of installation. There will be one excavation pit to tie into the existing main north of Gibbs Street, and there will be one excavation to make the turn at Black Street. There may be a handful of potholes needed when crossing a couple of water lines.

Staging the equipment for the installation in this area will take place on the Army Corp property.

There are no services along Brady from Gibbs to Black.

Duration of Construction:

The time frame for construction is currently expected to take 3 weeks to install the gas mains. It is DTE's hope that this project will be done in the fall of 2025 before winter arrives.

Restoration:

The full restoration process will begin as soon as all installation and abandonment work in the fort area has been completed. Restoration will be "in kind", any grass removed will be

replanted with seeds mixes per state standards, any pavement will be patched, and any sidewalks and curbs will be repoured and acid etched if required.

Easement Required:

With the design changes from the GPR, we are in the process of updating our Easement Exhibit. This will need to be approved by Detroit Parks and Recreation, and then recorded with Wayne County, in order for construction to begin. It is our hope that by the time of the October meeting, that this document will be in the hands of Detroit Parks and Recreation to sign.

Narrative compiled by:

Jonathon Ferris, Production Administrator, Wade Trim

September 19, 2025

Assessment of Buildings Along Meige and Cram

For Future Gas Service Lines.

On Wednesday 9/17/2025 a meeting was held on site at Historic Fort Wayne to discuss future gas services to five buildings along Meige and Cram streets.

This meeting was attended by:

- Amy Krull – SHPO
- Mara Lancaster – SHPO
- Brennah Grace Donahue – Detroit Parks and Recreation
- Skylar Leslie – Detroit Parks and Recreation
- Devon Kies – DTE Gas
- Jonathon Ferris – Wade Trim
- Shannon Leighton – Wade Trim

Overview:

At this time, it is the opinion of DTE that from a safety standpoint, none of these buildings are ready to have gas services run to them. Many of the buildings have structural concerns and are not ready to have gas appliances such as boilers, furnaces, air conditioners, or hot water heaters installed. When it is time for services to be installed, HDD installation will be used as much as possible to keep excavations to a minimum.

The following is a building-by-building assessment of the current conditions of these buildings, and what can be expected when these buildings are ready for gas service.

Guard House – Future Welcome Center – Building 302

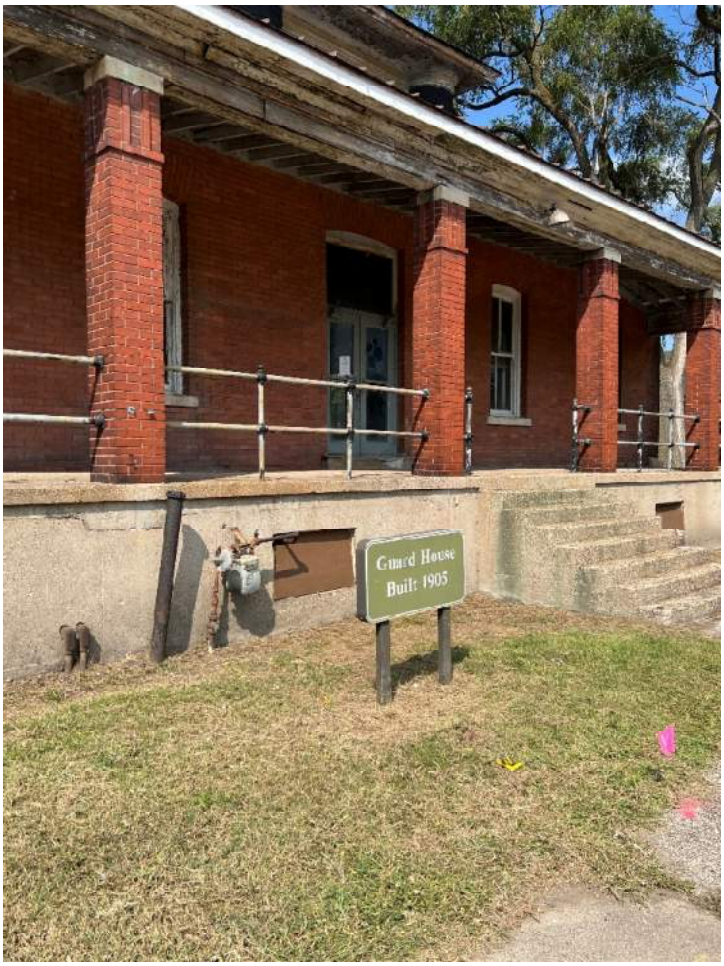


Figure 1Front of Guard House

Currently the gas meter is on the front of the building. The gas service line running through what used to be a window. However, there is hole going into the concreate foundation that we believe was previously used for gas service. We were able to enter the building and inspect how the gas network inside the building was laid out. While in the basement, we discovered that water was leaking from a split valve, and water would need to be shut off from outside the building. The current boiler in the basement showed signs of corrosion all along the bottom and appears to have asbestos insulation on at least one pipe coming out the top.

Based on these findings, this building is not ready for active gas service, however, two options were developed for when the building is ready for gas service hook up.

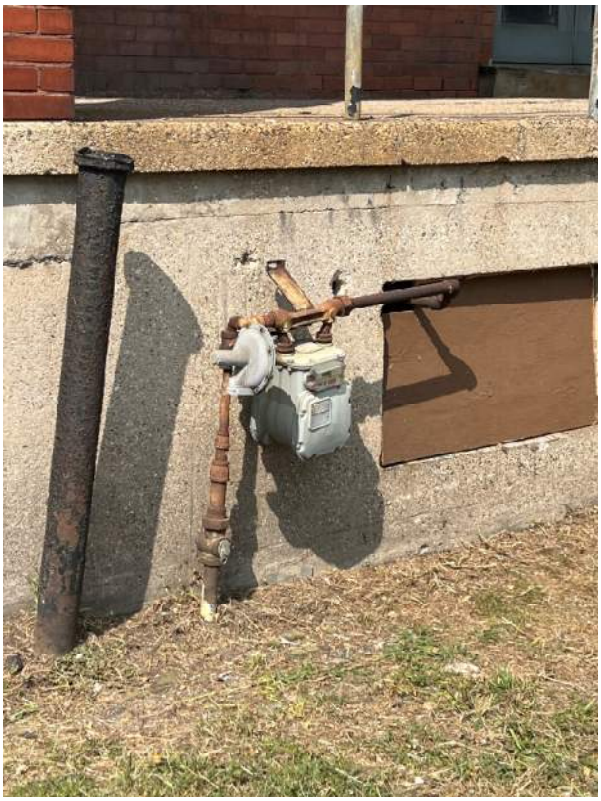


Figure 2 Present Meter Location

Option 1:

The new meter would be put on a post outside the front of building; it would not be mounted to the building itself. The current hole in the foundation would be utilized to hook into the gas system as it currently exists, and any gap in the hole sealed.

Figure 3 Possible Future Meter Location

Option 2:

When the building is being rehabilitated, Detroit Parks and Rec can have the gas lines in the building re-routed so the entry can be moved to the back. It was noted that in its current condition the gas line has to travel almost the entire length of the basement before it reaches any appliance. By moving the entry point to the back of the basement, it will deliver a better supply of gas to the future boiler or furnace. We believe the sandstone does not continue below ground level and the foundation is cement. The exit/entry point could then be drilled through the foundation below grade, a riser pipe put in to come up to the gas meter, which again would be mounted to a post, not the building.

Once again, this building is not ready for an active gas service. If any work is to take place this fall at this building, the current gas meter will be removed, the current gas service riser

line cut off at ground level and capped, and the service line running into the building will be cut and capped.

Theater – Building 303

Figure 4 Font of Theater

The theater's service line is currently run towards the back of the building. This location works well for the future meter location, and no new access point into the building will be needed. We could not gain access to the basement to assess the gas piping in the building.

This building is possibly the one in the best shape of the five in this area, however it is not ready for an active gas service. No service work is expected to occur this fall at this location as the meter is hidden from the road.

Figure 5 Current and Future Meter Location

Old Recreation Center / Visitor Center – Building 312

Figure 6 Front of Rec Center / Visitor Center

The current meter is in the best location at this site with the riser coming out in a grassy area. Between the meter and the building is a large old concreate slab.

Figure 7 Rec/Visitor Center Meter

Currently the service line running from the meter is split outside the building, and two large lines are running into the building through an unsealed window opening. We were able to gain access to the basement, where we discovered a water heater in need of replacement, however the boiler looks to be in good enough condition to possibly be put back in service – only a certified tech would be able to confirm that.

The future meter will be at the current meter's location on a post. From the meter, one service line will need to be ran along the building in the location of the current higher service line. Once inside the building the service line can be split to run to different appliances. The current entry point at the window area is the best option, as there is no good point to drill through the foundation. The window area would need to be sealed off Detroit Parks and Rec.

Figure 8 Service Lines Entrance

Former Bakery / Paint Shop – Building 313

Figure 9 Bakery / Paint Shop

This building is currently in obvious need of extensive repairs. So much so that running a service line was not even discussed on the site visit.

Storage Building – Building 314

Figure 10 Storage Building

Currently the meter is on the front of the building, and the service line goes through a hole in the sandstone wall. We were unable to access the basement due to safety concerns given the structural integrity of the building.

Figure 11 Storage Building Current Meter

We did, however, discuss a preliminary future solution for the service. The new meter would be placed on a post around to the north side of the building. The service line would run through the former window opening, which would then need to be sealed by Detroit Parks and Rec. This solution would involve the removal of a concrete slab, that SHPO determined was not original to the building, but added later. This plan, however, is subject

Figure 12 Possible Future Meter Location

to future investigations as we could not access the basement to evaluate the current gas system.

If any service work is done at this location this fall it will involve removing the meter, cutting and capping the riser at ground level, and capping the service line running into the building.

Moving Forward

Although no service installation is planned this fall, putting in the proposed gas main along Meige and Cram will set the stage for the future.

When these buildings are ready for gas service, DTE will be ready and willing to have the new service lines put in place following the above proposals, and the guidelines provided by SHPO.

The contact person at DTE for service installation will be:

Devon Kies – devon.kies@dteenergy.com

Capital Project Manager/PMO

(313) 324-2493

Prepared by – Jonathon Ferris – Wade Trim

9/19/2025

DRAWING NAME:

CREW: CLUSTER01-SHEET3-2024-REV 0

DRAWING NO.: WTR 5000 | CITY: | DISTRICT:

NAME OF STREET	R.O.W.	P.L.	SIDWK.	MANHOLE	PAVT.	PAINT
CRAM			VAR.		20'	PAINT

COUNTY: MACOMB | PAGE: 1 OF 1

PROJECT ID: WORKSHOP/SHEETS

STREET: CRAM

FAC. NO.: APPLICABLE

FAC. NAME: APPLICABLE

WORK ORDER NUMBERS:

IP INSTALL:

IP REMOVAL:

CONS. MARKET(S):

CONS. SUBMKT(S):

DTE

WADE TRIM

DTE GAS Company
One Energy Plaza
Detroit, MI 48226-1279

MISS DIG System, Inc.
Toll Free: 811
or 800.482.7171
www.missdig.org

PROJECT'S	R.R.	ESMT.	MUN.	COUNTY	MAST.	HWY.	ENG.
Permits Required			X				

REVISION HISTORY

No.	DATE	REVISION DESCRIPTION
0	09/05/2025	ISSUED FOR CONSTRUCTION

DESIGNED BY: BRUCE SCHOENBECK 03/26/2023

DESIGN APPROVAL BY: ELIO BUSTOS 04/03/2023

DRAWN BY:

DESIGN VENDOR: WADE TRIM

500 S WASHINGTON ST. SUITE 201 FLINT, MICHIGAN 48502 (810) 239-2690

DISTRIBUTION DEPT. REVISED:

CORROSION APPROVAL: C. BARTLETTE 12/02/2025

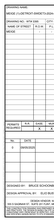
GAS APPROVAL:

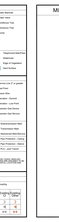
GAS APPROVAL: D. JAMES 04/28/2023

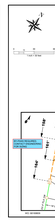
DTE GENERAL NOTES

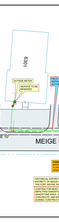
GENERAL NOTES

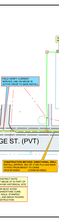
1. ALL WORK SHALL BE MATERIALS SHALL MEET THE REQUIREMENTS OF APPLICABLE DTE GAS DISTRIBUTION, & TRANSMISSION STANDARDS AND SPECIFICATIONS & TRANSMISSION DEPARTMENT PROCEDURES. REFER TO DTE STANDARD MC-1002 TO INDIVIDUAL DEPARTMENT PROCEDURES FOR MORE INFORMATION.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE MICHIGAN OCCUPATIONAL SAFETY AND HEALTH ACT (MIOSHA) AND ALL OTHER APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN A SAFE WORK SITE AND TO PROVIDE ALL SAFETY EQUIPMENT AND TRAINING FOR WORKERS.
3. ALL WORK SHALL BE PERFORMED ONE CALL CUTTER SHALL NOT ACTIVATE MORE THAN 1/2 MILE OF BURIED UTILITY AT LEAST 72 HOURS IN ADVANCE OF EXCAVATION. NO EXCAVATION WORK BEGINNING ON A MONDAY SHALL BE DONE UNTIL ALL UTILITIES HAVE BEEN LOCATED AND MARKED.
4. ALL DETECTION SHALL BE PERFORMED PER THE SPECIFICATIONS OF THE JURISDICTIONAL AUTHORITY.
5. ALL EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH DTE STANDARD MC-1001 AND THE OPERATIONAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
6. ALL TRENCHLESS INSTALLATIONS SHALL BE PERFORMED USING HORIZONTAL DIRECTIONAL DRILLING, AUGER BORING, PIPE RAMMING, PIPE BURSTING, OR OTHER MECHANICAL TYPE METHODS. ALL TRENCHLESS WORK SHALL BE PERFORMED IN ACCORDANCE WITH DTE STANDARD MC-1001.
7. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH DTE STANDARD MC-1001 AND MC-1002 AND SHALL BE PERFORMED UNDER THE DIRECTION OF A QUALIFIED DTE EMPLOYEE OR CONTRACTOR

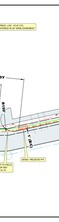


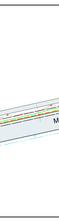


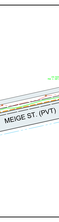


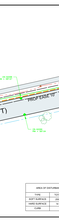


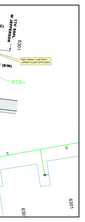


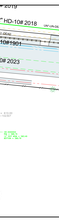


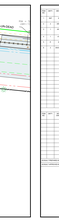


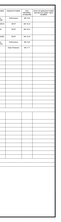












Curb Survey along Meige and Cram:

Sandstone curb are protected by the Detroit Historical Society.

The following is a photograph assessment of the curbs along Meige from Brady to Cram, and along Cram from Meige to the end of the road.

There are sandstone curbs in the fort area.

These two photos come from the drive running beside the Fort Wayne Historical Associations office.

The following photos were taken along the construction site to show that all curbs in the area are cement.

The map shows the locations of the photos.


X Ray
W Jefferson Ave
Meige St
Brady St
Cram St
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20


1


2


3


4


5


6


7


8


9


10


11


12


WATER MAIN CROSSING CURB IN THIS AREA, ONLY POINT OF POSSIBLE CURB REPLACEMENT
13


14


15


16


17


18

Photos taken by Jonathon Ferris
Designer - Wade Trim
08/27/2025

Directional Photos

A visual representation of where the new proposed running lines for the mains will be.

1. Location of tie-in to existing main coming from West Jefferson along the west side of Brady Street.

2. Looking from the Brady Street tie-in point across to the turning point on Meige.

3. Start of the running line down Meige 1’ from the back of curb.

4. Continuing down Meige 1’ from the back of curb, by the Guard House.

5. Continuing down Meige 1’ from the back of curb heading toward the theater.

6. Continuing east on Meige by west entrance to parking lot.

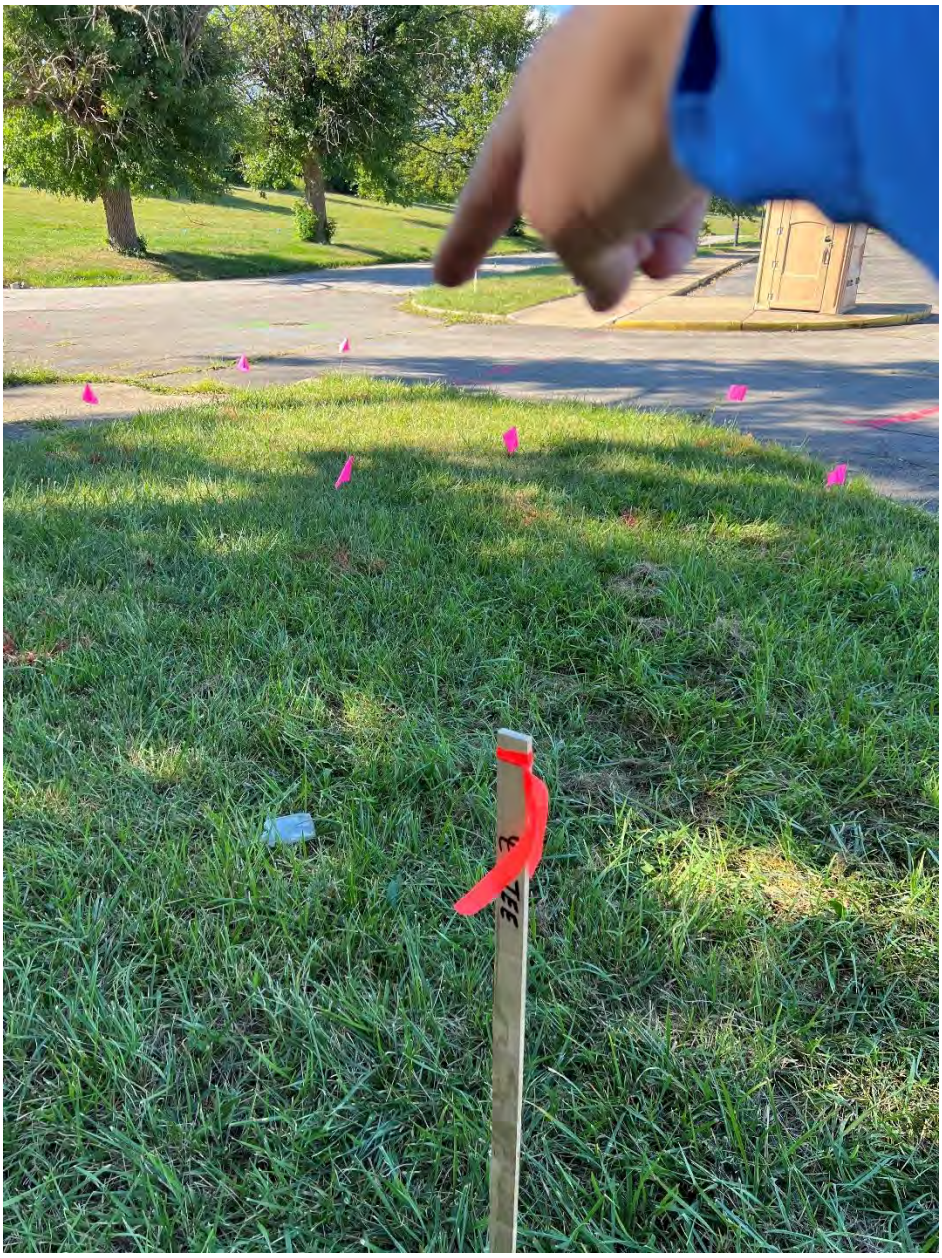
7. Looking across the west entrance to parking lot, curved crossing of the driveway.

8. East side of west parking lot entrance, send / receive pit area. Main to continue being installed 1’ from the back of curb.

9. Continuing east down Meige 1’ off back of curb for entire length of parking lot.

10. Point for field bend to turn toward Tee location with Cram Street mains.

11. Location of proposed tee to join Meige and Cram Street mains.



12. Looking from proposed Tee location back west down Meige.

13. Looking north from tee location to tie-in with existing main running across West Jefferson.

14. Looking South down Cram Street to bend point in the road.

15. Looking south down Cram, running approximately 5’ off the curb.

16. Proposed end of main at the south end of Cram.

17. Looking back to the north from the end of the Cram main.

Ferris, Jonathon

From: Krull, Amy (LEO) <KrullA@michigan.gov>
Sent: Monday, September 08, 2025 9:32 AM
To: Ferris, Jonathon; Devon J Kies
Cc: Brennah Grace Donahue; Slagor, Scott (LEO); Lancaster, Mara (LEO); Husam Kafaji; Leighton, Shannon
Subject: Lines and Meters: Historic Fort Wayne

Categories: Red Category

Hi John and Devon,

John, it was great to work with you the week before last during the GPR survey at Historic Fort Wayne. Sorry I missed you when you were there that week, Devon. John said we had just missed each other the day you were there. I learned a lot from the GPR survey and John walked me through what DTE plans to do.

The State Historic Preservation Officer (SHPO) has the following expectations regarding the proposed meter work:

Archaeology

1. Archaeological monitoring is needed during ground disturbing activities and must be conducted by a professional archaeologist who meets the Secretary of the Interior's Professional Qualifications Standards. We highly recommend that DTE contracts a Cultural Resources Management (CRM) firm (or engineering firm) with successful recent experience working on similar projects in the City of Detroit. We know that the following CRM firms and engineering firms have successfully completed similar recovery projects within the City of Detroit with dignity and respect (The Mannik & Smith Group and Arbre Croche Cultural Resources both have previous experience working at Historic Fort Wayne):

    - The Mannik & Smith Group (Dr. Robert Chidester, 734-474-0296, rchidester@manniksmithgroup.com)
    - Arbre Croche Cultural Resources, LLC (Dr. Misty Jackson, 517-525-3060, mjackson@arbrecroche.com)
    - Chronicle Heritage Group, Inc (Dr. Emily Epstein, 517-262-4157, emily.epstein@chronicleheritage.com)
    - Heartsong Archaeology, LLC (Monte Lawton, 989-323-1239, mlawton@heartsongarchaeology.com).
    - GEI (Lorin Brace, cbrace@geiconsultants.com)

2. The archaeologists selected for the project should contact me in advance of monitoring and I will provide insight into areas of particular concern and also areas where I am not concerned, as based on the results of GPR survey, my discussion with John of Wade Trim, and my knowledge of the fort property.

3. Devon, when we initially met at the fort in early August, I had antidotally mentioned that in other areas of the fort grounds we have previously observed historic archaeological activity at approx. 24 inches below the ground surface. I cannot apply that same general depth to the areas of the fort where the current work is proposed. I'm happy to talk about this one-and-one with you, Devon and also with John.

Architectual Resources:

1. To minimize impact on the historic character of the buildings, utility meters should be located on secondary elevations whenever possible. For buildings where meters are currently mounted on the street facing elevation, consider locating meters around the corner to minimize appearance.

2. Mount utility meters as close as possible to where they enter the building to avoid excessive visible pipe runs. Penetrate through existing openings where possible. If attaching to the historic building, mount anchors through mortar joints, not through masonry

3. Remove inactive meters, piping and equipment... Patch holes in building materials according to National Park Service guidance.

Please feel free to reach out to us with any questions you may have. Mara Lancaster, Architect for the State Historic Preservation Office provided the recommendations and requests for architectural resources. Mara, who is copied here, is happy to provide more specific information and guidance if needed.

Looking forward to talking with you soon.

Thanks,
Amy

MICHIGAN SHPO STATE HISTORIC PRESERVATION OFFICE

Amy Krull, RPA (she/her)
Federal Projects Archaeologist
State Historic Preservation Office
300 N. Washington Square
Lansing, MI 48913
Direct: 517.285.4211
michigan.gov/shpo