

To: All Plan Holders of Record

From: CT Consultants, Inc.  
For the Village of Lordstown

**Re: *Addendum No. 1***  
***Meter Vault Rehabilitation & Air Release Valve Replacement***  
***Village of Lordstown***

Date: December 5, 2024

This Addendum forms a part of the contract documents and modifies the original bidding documents dated November 2024 and all previous addenda, if any. Acknowledge receipt of this addendum in the space provided in the bid forms. Failure to do so may subject the bidder to disqualification.

### **PREBID MEETING MINUTES AND SIGN IN**

Enclosed are the PreBid Meeting Minutes and Sign-In Sheet.

### **QUESTIONS AND ANSWERS**

- Q1. Will the rehabilitation work to the check and solenoid valves take (2) 8-hour shifts?
- A1. The work shall take no longer than (2) 8-hour workdays and shall include (1) X3730 main valve assembly kit, (1) 250-DS Soft Goods Kit, (1) Cushion Chamber Kit, (1) ½” 3-way 120V Solenoid Pilot, (2) ½” Flow Control Valves (includes 2 – ½” SS Unicorns) and (2) 8-hour days of field service direction from GA field Engineer. These specified parts are those of GA industries of Cranberry Township, PA via equipment representative Mr. Mark Sullivan of MUSE Technologies, LLC Ph: 412-215-7659.
- Q2. How far away are the valves outside of the MVSD vault? How much water do you need to remove from the system before the rehab work?
- A2. Please see reference document, “Lordstown 24 Inch WL As-builts.pdf”, sheet 29 out of 31, posted at (<https://bids.ctconsultants.com>), indicating gate valves at either sides of the vault, stations 284+80 and 285+30 respectively. Contractor is able to dewater and drain 24” water line to the adjacent swale or creek. The volume of water in between valves is estimated to be 1200 gallons. If the work needs to occur over multiple 8-hour shifts, the volume of water will need to be drained for each shift.

Addendum No. 1

Date: December 5, 2024

Page 2

Q3. Are there two female ends on the old ball valves?

A3. We are not certain if there are two female threaded ends on the existing valve and the Contractor will need to field verify that. As built drawings do not specify threaded ends. The contractor shall be responsible for providing all threaded adaptors as required.

Q4. Ensure the plans mention that ARV #1 is not directly over WL like others.

A4. ARV #1 branches off 10 ft in order to offset out of roadway, as attached in the reference document, "Lordstown 24 Inch WL As-builts.pdf", sheet 7 out of 31 posted at (<https://bids.ctconsultants.com>).

Q5. Include information about the permits (Lordstown, Trumbull County and Niles)

A5. See enclosures: Lordstown – Street Opening/Curb Cut Permit, Trumbull Co Engineer – Application for Permit to Work Along or Across County Roads Including Pipeline Related Work, and City of Niles – Ordinance 23-23 - 903.02 Permit Fees. The Contractor will be required to apply for any pay for all permits for the project. To obtain street opening/curb cut permit from the City of Niles, please contact Rebecca Carroll at [rcarroll@thecityofniles.com](mailto:rcarroll@thecityofniles.com)  
The Contractor shall include his cost for permitting into his Mobilization bid item.

CK/JR:mep

Enclosures

H:\2024\242440\SPEC\Addenda\Addendum 01\Addendum 01.Doc

## Prebid Meeting Agenda

To: Attendees

Subject: Village of Lordstown, Trumbull County, OH  
Meter Vault Valve Rehab & ARV / ARV Vault Replacement  
Pre-Bid Meeting

Date: December 3, 2024 10:00 A.M.

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The agenda for the Pre-bid Conference scheduled for December 3, 2024 at 10:00 A.M. at the Village of Lordstown Administration Center located at 1455 Salt Springs Road, Warren, OH 44481 is as follows:

1. Distribute the sign-in sheet
2. Introductions - Village Staff, Equipment representative, Engineer
3. Introduction of the Project – This project is necessary to replace the existing air-release valves (ARV) valve assemblies and the vaults they are housed in situated along the existing Lordstown 24-inch diameter water transmission line. This transmission line is vital to maintain water flow through because it conveys the majority of the Village’s potable water from the piped connection with the City of Niles. The project also is necessary to rehabilitate the existing two valves located within the MVSD meter vault located on Salt Springs Rd in an easement in the name of the Village of Lordstown near the connecting point to the City of Niles. The existing Lordstown 24-inch transmission line is approaching 20-years old and the valves identified in this project are needing to be replaced and rehabilitated to maintain the functionality and useful life of the transmission line. The project consists of two parts, Parts A & B.
  - a. consists of rehabilitating/rebuilding two existing valves within the MVSD meter vault containing one solenoid valve and one check valve. Both existing valves are manufactured by Golden Anderson (GA) and will be rehabilitated in-place with GA parts. Contractor shall subcontract to the

GA Industries field engineer representative to oversee rehabilitation/rebuilding work to the solenoid valve and check valve.

- b. consists of replacing nine existing air release valve assemblies and nine existing underground vaults along the Lordstown 24-inch transmission line along Salt Springs Rd. Phase 1 shall include removal and replacement of the vaults, removal of the existing air release valve assemblies, installation of a new 2" isolating ball valve, and the restoration of affected asphalt road pavement and affected non-paved vegetative surfaces in the road right-of-way. This work shall be completed by the Interim Completion Date of May 10, 2025. Phase 2 shall include installation of the new air release valve assemblies to allow for delivery time of this valve equipment.
4. Project Schedule- Interim Completion Date for all vault work & rehabilitating the two existing valves at the MVSD Meter Vault: May 10, 2025.

Completion Date for installation of ARV's: August 30, 2025

Due to the sensitivity of maintaining flow through the water transmission line and impacts to the existing roadway, the Contractor is required to provide the Village with a written work schedule and keep it updated throughout the project so that the Village can anticipate and manage impacts from the project and also so that the engineer can schedule/staff the spot inspections.

5. Project Location – Project is located within the existing public road right-of-way of Salt Springs Rd in the Village of Lordstown, Weathersfield Township, and the City of Niles. Six of the ARV vaults are located in the Weathersfield Twp and City of Niles locations and as such these sections of Salt Springs Rd are overseen by the TRU Co Engineer for maintenance. Permitting for access and work in the County-maintained sections was necessary for the project through the TRU Co Engineer's Office. The remaining ARV valve vault sites are located in the Village-maintained section of Salt Springs Rd. The contractor is required to provide maintenance of traffic on the project.

6. Project Funding – Local. State minimum prevailing wage rates apply.
7. Construction Administration and Observation – CT will provide administration services and spot-based observation services to the project on behalf of the Village of Lordstown.
8. Question and Answers – Note all answers to question are only made final when documented by addendum.
9. Site Visit
10. Addendum items:
  - Will it take (2) 8-hour shifts? Yes
  - How far away are the valves outside of the MVSD vault? How much water do you need to remove from the system before the rehab work? Valves are outside MVSD vault within 20 ft of either side.
  - Are there two female ends on the old ball valves? We believe so
  - Ensure the plans mention that ARV #1 is not directly over WL like others
  - Include information about the permits (Niles, Lordstown, Trumbull County)

# SIGN-IN SHEET

PROJECT NAME & JOB NUMBER: CT Project #242440, Village of Lordstown - Meter Vault Rehab & ARV/ARV Vault Replacement

DATE: December 3, 2024 at 10AM at the Village Admin Building

NAME	COMPANY (REPRESENTING)	ADDRESS	CITY	ZIP	PHONE#	EMAIL ADDRESS
Alan Frigier	CT Consultants	3875 Embassy Hwy <sup>4200</sup>	Akron	44333	614-279-7410	afrigier@ctconsultants.com
Andy Hannas	Chippers Construction Co.	6700 Tow Road <del>Four</del>	Fairview	16415	814 474-2637	ahannas@chippersconstruction.com
Chris Kogelnik	CT Consultants	40922 Shores Trail 44408 Youngstown OH	Youngstown	44514	330.272.9330	ckogelnik@ctconsultants.com
Kevin Triggale	A-1 INDUSTRIAL RESOURCES	894 Cortsville-Middard YOUNGSTOWN, OH 44505	Youngstown	44505	330 614-9242	KT@A1INDUSTRIAL/RESOURCES.COM
Martin Nelder				44481	330 360-1350	Lordstown Coada a Lordstown Village.com
Darren Boeggs	Lordstown					
Andy Susarczyk	Lordstown					
DAVE BEARINGER	Lordstown					
DAN MANUS	KERRA	505 Bedford Rd SE Brookfield, OH		44403	330-446-4055	MANUS@KERRA.COM
Steven Garberry	Trumbull Co Eng				330675 2270	hwgarber@co.trumbull.oh.us

# Village of Lordstown

LORDSTOWN, OHIO 44481

## VILLAGE OF LORDSTOWN, OHIO STREET OPENING/CURB CUT PERMIT

Pursuant to the provisions of Ordinance No. \_\_\_\_\_ of the Village of Lordstown, Ohio,  
and proper bond having been furnished, permission is hereby granted to:

\_\_\_\_\_  
(Contractor's Name - Permittee)

\_\_\_\_\_  
(Address)

\_\_\_\_\_  
(Telephone)

to make an excavation/curb cut in the public right-of-way at \_\_\_\_\_  
for purposes of \_\_\_\_\_

The permittee, by acceptance of this permit, agrees to be bound to compliance with all of the Ordinances, rules and regulations of the Village of Lordstown insofar as they may apply to the work related to this permit.

Permittee to notify the Street Commissioner 48-hours prior to the start of any work and shall denote the estimated length of construction time.

\_\_\_\_\_  
Bonding requirements \_\_\_\_\_

Permit No.: \_\_\_\_\_

VILLAGE OF LORDSTOWN, OHIO

Date: \_\_\_\_\_

By: \_\_\_\_\_

Village Clerk

By: \_\_\_\_\_

Street Commissioner

Permit accepted by: \_\_\_\_\_

(Signature of Permittee or his authorized agent)

Copies: Permittee - Original  
File  
Village Clerk (with Bond)

## VILLAGE OF LORDSTOWN

### STREET OPENING/CURB CUT PERMIT REQUIREMENTS

1. SCOPE

The work covered by this Permit consists of furnishing all plant, labor, equipment, and materials and performing all operations in connection with the restoration and repair of street opening/curb cut in strict accordance with this Permit.

2. RESPONSIBILITY AND RISK

The Permittee shall assume all risk and bear any loss or injury to property or persons occasioned by neglect or accident during the progress of work, until the same shall have been completed and accepted by the Village. The Permittee shall also assume all blame or loss by reason of neglect or violation of any State Law or Local Ordinance or encroachment upon neighbors. The Permittee shall make good any damage that may have occurred to any adjoining property in consequence of the performance of the work or during its progress.

3. INDEMNIFICATION

The Permittee shall indemnify and save harmless the Village and their agents, officers and employees from and against all claims, damages, losses, liability and expenses including attorney's fees arising out of or resulting from the performance of the work, provided any such claim, damage, loss, liability or expense (a) is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property including the loss of use resulting therefrom and (b) is caused in whole or in part by any negligent act or omission of the Permittee, anyone directly or indirectly employed by him or anyone for whose acts he may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder.



In any and all claims against the Village or any of their agents, officers or employees by any employees of the Permittee, anyone directly or indirectly employed by them, or anyone for whose acts he may be liable, the indemnification obligation under this Permit shall not be limited in any way by any limitation in the amount or type of damages, compensation or benefits payable by or for the Permittee under Workmen's Compensation Acts and/or Disability Benefit Acts.

4. REFERENCE TO ODOT SPECIFICATIONS AND STANDARD DRAWINGS

Where reference is made in this Permit to the ODOT Specifications, it shall be understood to mean "Construction and Materials Specifications", latest edition, together with all revisions thereto, published by the State of Ohio, Department of Transportation. Those sections and paragraphs of the ODOT Specifications to which reference is made shall be as much a part of these Specifications as though they were herein attached. A copy of these Specifications shall be kept on the job site at all times for reference.

Where in the ODOT Specifications the word "Department" appears, the words "Village of Lordstown" shall be substituted in its stead.

5. ORDER OF WORK

The Permittee shall plan the work under this permit to insure the majority of work is completed in a timely manner to keep heavy traffic loads during construction to a minimum over finished road surfaces. Final inspection and acceptance of the work will be made when all construction is completed in all respects.

Roadway surfaces will only be placed when weather conditions will not detrimentally affect the quality of the finished work. Any road areas, including base course, damaged by freezing temperatures or other weather conditions shall be removed and replaced by the Permittee.

6. ACCOMMODATION OF TRAFFIC

Streets shall not be unnecessarily obstructed, and unless the Village (in writing) authorizes the complete closing of the street, the Permittee shall take such measures, at his/her own expense, as may be necessary to keep the street or road open and safe for traffic.

The Permittee shall construct and maintain such adequate and proper bridges over excavation as may be necessary or as directed for the safe accommodation of pedestrians or vehicles.

The streets, crosswalks and sidewalks shall be kept clean, clear and free for passage of vehicles or pedestrians unless otherwise authorized in writing by the Village. A straight and continuous passageway on sidewalks and over crosswalks, at least three (3) feet in width, shall be preserved free from all obstructions.

7. RESTORATION OF SURFACE, WALKS AND CURBING

Street paving, walks, existing piping and curbing where broken into shall be restored by the Permittee and shall be repaved or rebuilt using the same type of construction and at least equal quality of materials as in the original, unless otherwise specified herein. The Permittee shall be responsible for restoring all such work including subgrade and base course so that it is equal in quality of material and workmanship to the original pavement or structure, unless otherwise specified. The permanent replacement of pavement and concrete sidewalks over any section of trench will not be permitted until at least fourteen (14) days after the backfilling of that section of trench is completed.

8. SUBGRADE PREPARATION

Approved construction equipment shall be used for operation. Subgrade shall be brought to required line, grade and cross section and thoroughly compacted, using approved ditch rollers or mechanical vibrators.

9. RESTORATION AND REPAIRS - VILLAGE ROADS

All open cuts made in any Village road shall be done so and restored as detailed hereinafter:

- (A) A permit will be secured from the Village.
- (B) The pavement to be removed shall be saw cut to neat lines prior to the actual start of construction.
- (C) The trench may then be excavated.
- (D) Trench backfill across or along the berm of any Village road shall be backfilled full depth with Low Strength Mortar to within 9" of roadway or with No. 57 Limestone aggregate within 4" of berm.
- (E) The Bituminous surface will then be restored as detailed hereinafter:
  - 1. Asphalt Concrete Surface with 6-inch Bituminous Aggregate Base Course Pavement:
    - (a) All pavement shall be constructed with a 6" Bituminous Aggregate base course and a 3-inch asphalt concrete intermediate/surface course.
    - (b) The 6-inch base course shall be in accordance with the Ohio Department of Transportation Specifications, Section 301.
    - (c) The 2-inch intermediate course and 1-inch surface course shall be in accordance with Ohio Department of Transportation Specifications, Section 448.
    - (d) Construction requirements shall conform in all respects to the Ohio Department of Transportation Specifications, Section 400.
    - (e) Reference shall be made to the asphalt concrete surface with 6-inch Bituminous Aggregate base course detail attached hereto.
  - 2. Berm Construction and Trench Backfill:
    - (a) Road berms over any trench areas shall be backfilled with full depth NO. 57 aggregate material to within 4" of finish grade. Slag will not be permitted.

- (b) All berms to be constructed with 4" No. 78 aggregate and a tack coat.
- (c) No. 57 and 78 aggregate materials shall conform to Ohio Department of Transportation Specifications, Section 703 and the bituminous tack coat shall conform to Ohio Department of Transportation Specifications, Section 407.
- (d) Reference shall be made to the Berm Restoration Detail attached hereto.

3. Special Paving Conditions:

All pavement construction shall have a suitable type joint sealer, approved by the Village, applied liberally on all construction joints, said joints comprised of existing paving surfaces adjacent to newly installed paving surfaces. Surface dusting of the joints with clean fine sand or granulated slag fines will be required.

10. FINAL INSPECTION

The Village shall perform a final inspection after notification by the Permittee the work is completed. If the work is found to meet the requirements of this permit, the cash bond shall be returned. If the work is found defective in any material respect, the Permittee shall bear all expense of satisfactory reconstruction.

PLANNING COMMISSION

ORDINANCE NO. 84-12

**AN ORDINANCE AMENDING AND RESTATING CHAPTER 1177 "STREET OPENING/CURB CUT PERMIT" OF THE PLANNING AND ZONING CODE OF THE CODIFIED ORDINANCES OF THE VILLAGE OF LORDSTOWN.**

WHEREAS, the Planning Commission is charged with enforcing the Planning and Zoning Code for the Village of Lordstown and inherent with that responsibility is the obligation to recommend modifications to such ordinances from time to time when it is deemed necessary and in the best interest of the Village of Lordstown; and

WHEREAS, the Planning Commission of the Village of Lordstown has therefore recommended the following revisions to the Planning and Zoning Code of the Village as noted hereinafter:

**NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE VILLAGE OF LORDSTOWN, COUNTY OF TRUMBULL, STATE OF OHIO:**

**Section I:** That the Planning Commission of the Village of Lordstown has recommended that Chapter 1177 "Street Opening/Curb Cut Permit" of the Planning and Zoning Code of the Codified Ordinances of the Village of Lordstown be amended **in part** as follows; to-wit:

CHAPTER 1177  
Street Opening/Curb Cut Permit

1177.01	Procedure.	1177.03	Fees and Bonding Schedule
1177.02	Application Standards.	1177.04	Conflicts.

\* \* \*

1177.02 APPLICATION STANDARDS.

(a) "Street Opening/Curb Cut Permits" shall be governed by regulations issued by the Street Commissioner entitled "Standard Drawings and Design", a copy of which may be obtained from the Street Commissioner. **Any deviations from the "Standard Drawings and Design" must be pre-approved by the Street Commissioner or Village Engineer.**

(b) The Street Opening/Curb Cut Permit shall be required anytime a street or roadway must be "open cut" for any type of utility or drain installation and when a curb is to be cut for a driveway entrance. Both types of construction must be approved by the Street Commissioner prior to commencement of construction. Street Opening/Curb Cut Permits will be issued upon submission of an application, payment of the required fees and bond and approval by the Street Commissioner.

(c) An application for "Street Opening/Curb Cut" Permit shall be accompanied by plans and other descriptive matter sufficient to clearly portray the intentions of the applicant, and such plans and other descriptive matter shall become a part of the record.

(d) To ensure the integrity of all roads and road right of ways, the Street Commissioner will determine if it is necessary to open cut a street or roadway within the Village. Anyone performing this type of construction will be required to obtain a permit along with a bond posted to guarantee completion of the work. If the work has not been completed to satisfaction of the Street Commissioner (not to specifications), or not finished within the proscribed time of the Permit, the Street Commissioner will have the work completed by another party and will pay the other party for work performed by the Bond.

(e) **Bond may be in the form of a performance surety bond or a cash bond. A cash bond that is deposited with the Village Clerk, will be returned to the applicant once the Street Commissioner or Village Engineer has determined the "Street Opening/Curb Cut" has been finished according to Section 1177.02 (a), "Standard Drawings and Design".**

1177.03 FEES AND BONDING SCHEDULE.

Street Opening Permit Fee	\$10.00
Curb-Cut Permit Fee	\$10.00

Bonding Requirements

	<u>0-1 lane</u>	<u>1-2 lanes</u>	<u>2-3 lanes</u>	<u>3-4 lanes</u>
Sanitary	\$2,000.00	\$4,000.00	\$6,000.00	\$8,000.00
Storm	\$1,000.00	\$2,000.00	\$3,000.00	\$4,000.00
Water	\$1,000.00	\$2,000.00	\$3,000.00	\$4,000.00
Gas	\$800.00	\$1,600.00	\$2,400.00	\$3,200.00
Other	\$800.00	\$1,600.00	\$2,400.00	\$3,200.00

	<u>Residential</u>	<u>Commercial</u>
Curb-Cut	\$500.00	\$1,000.00

See Fees and Deposits as specified in Section 1102.09.

\* \* \*

**Section II:** That this Ordinance shall supersede any and all other related and conflicting provisions of Chapter 1177 of the Planning and Zoning Code of the Codified Ordinances of the Village of Lordstown; however, all other provisions of Chapter 1177 which are not otherwise affected by the provisions of this Ordinance shall remain enforceable by their terms.

**Section III:** That the Clerk of the Village of Lordstown is hereby instructed to have published an Amended Planning and Zoning Code for the Village of Lordstown consistent with the foregoing and within stated amendments.

**Section IV:** That the passage of this Ordinance and all deliberations relating to the passage of this Ordinance were held in open meetings in accordance with the provisions of Ohio Revised Code Section 121.22.

Passed in Council this 17 day of September, 2012.

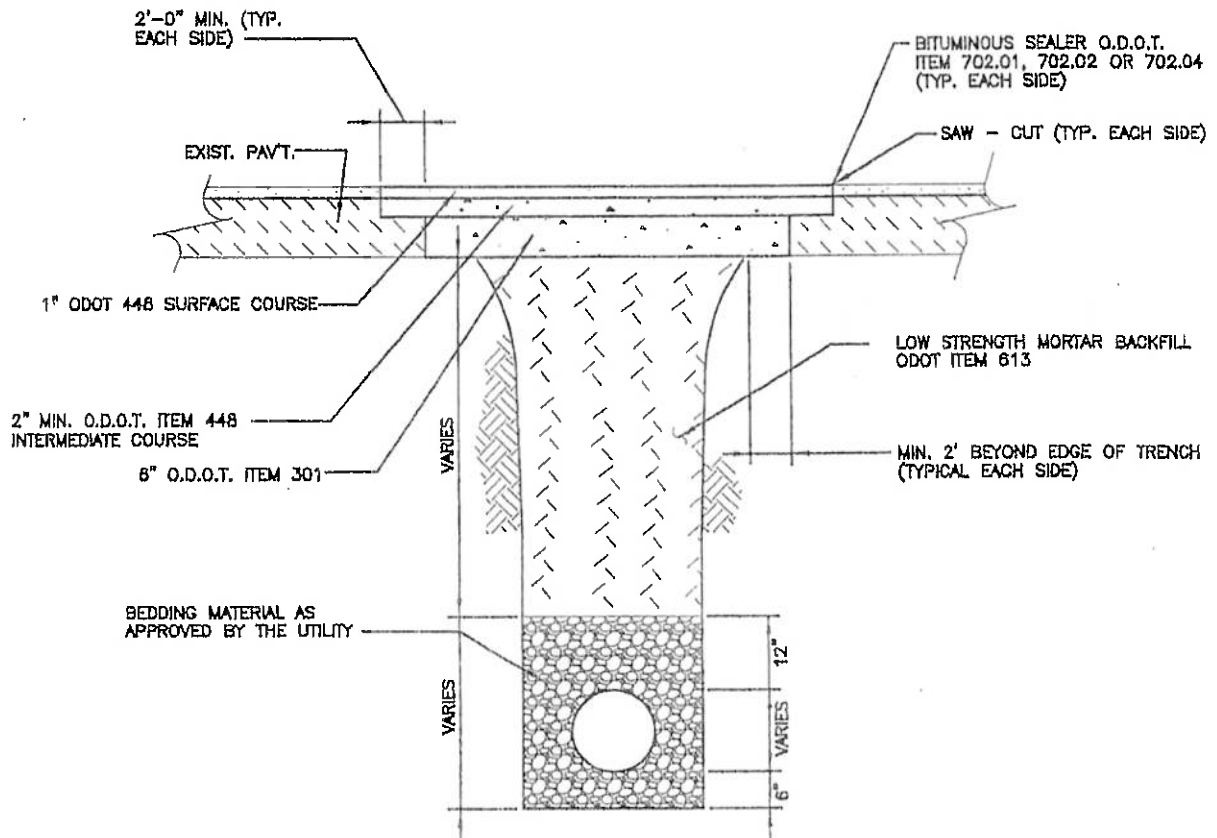
  
\_\_\_\_\_, Mayor

  
\_\_\_\_\_, Clerk

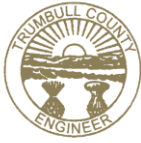
FIRST READING AUGUST 13, 2012  
SECOND READING SEPTEMBER 4, 2012  
PASSED ON SEPTEMBER 17, 2012

# Lordstown Village Street Department

## REPAIR OF TYPICAL ROAD CUTS







**Randy L. Smith, P.E., P.S.**  
**TRUMBULL COUNTY ENGINEER**

650 North River Road, N.W. Warren, Ohio 44483 (330)675-2640 Fax (330)675-2642

**APPLICATION FOR PERMIT TO WORK ALONG OR ACROSS COUNTY ROADS  
INCLUDING PIPELINE RELATED WORK**

**Date of Application:** \_\_\_\_\_

**REF:** \_\_\_\_\_

**Type of Application and Fee:**

Make checks payable to Trumbull County Treasurer

- |                             |            |      |                   |
|-----------------------------|------------|------|-------------------|
| _____ Road Bore or R/W Work | Permit Fee | \$20 |                   |
| _____ Driveway Access       | Permit Fee | \$20 |                   |
| _____ Open Road Cut         | Permit Fee | \$20 | \$1,000 in escrow |

**Applicant Information:**

Company Name	
Contact Person	
Street Address	
City, State, Zip Code	
Phone	
E-Mail Address	

**Type of Work:**


At the following described location (include footage from nearest intersection) in \_\_\_\_\_

Township/City/Village, Trumbull County, Ohio and along/across \_\_\_\_\_

**Enclose with this application; the appropriate fee, letter of request, and a survey or drawing (including a location map with distance to the nearest intersection and north arrow) of the project proposed herein.**

Work will commence on or about \_\_\_\_\_ and will be complete by \_\_\_\_\_  
and it would be noted that these dates are tentative and that some unforeseen event could change either.

**Agreement and Signature**

I, \_\_\_\_\_, as a duly authorized representative of the applicant of this permit, have read, understand and agree to comply with all the conditions contained within this permit.

Name/Title	
Signature	
Date	

## WE AGREE TO THE FOLLOWING CONDITIONS UPON ISSUANCE OF THE PERMIT:

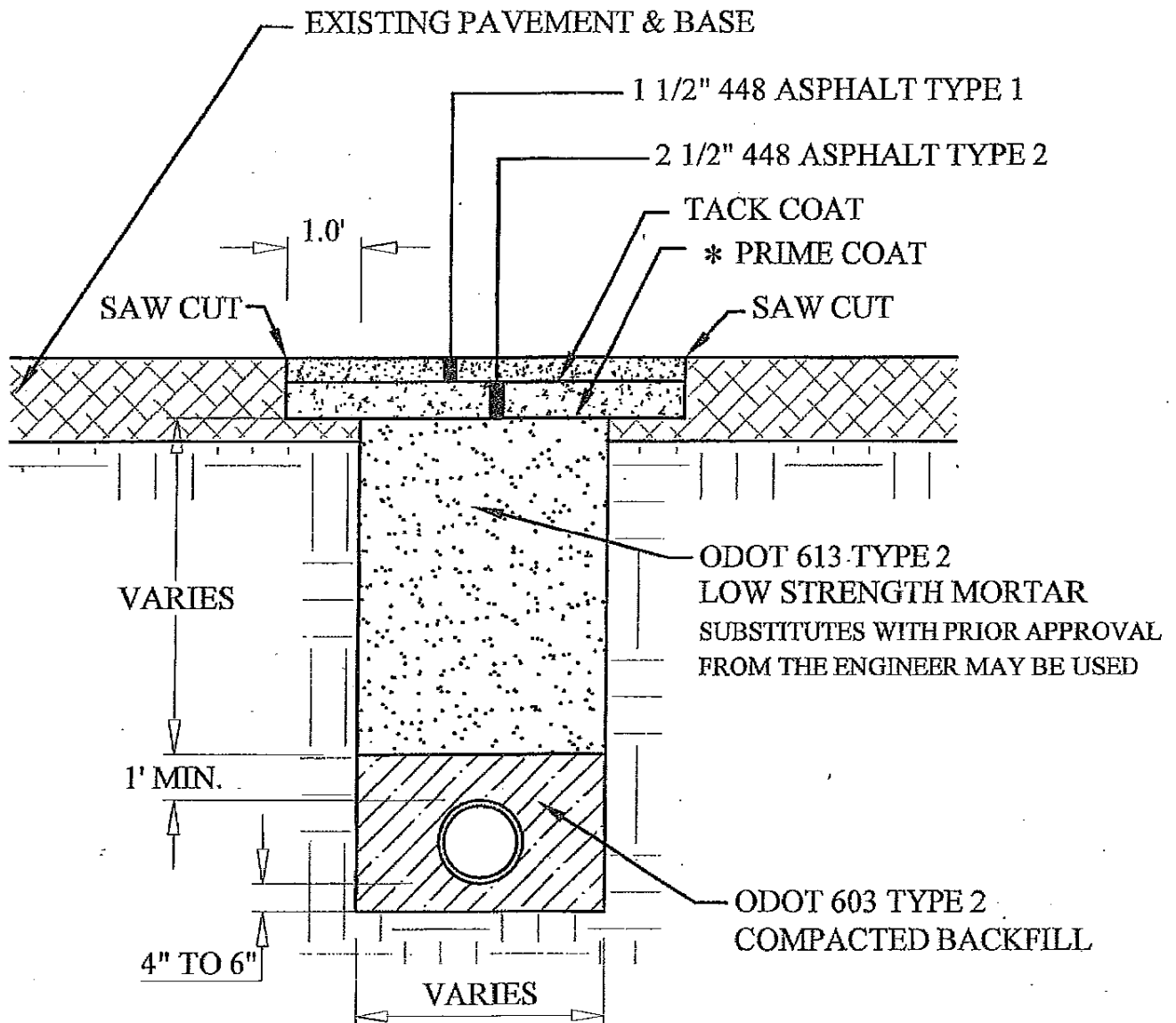
1. If a road closure is requested, a detour plan must be submitted prior to issuance of permit.
2. To restore all disturbed surfaces to their original condition and adhere to the specifications or restrictions as outlined below.
3. Trenches within the road and shoulder areas shall have proper shoring areas and will be properly back-filled and tamped.
4. All road crossings will be made using the boring method unless further permission is granted from the governing authority regarding cutting the pavement.
5. That surplus dirt is removed from the right of way.
6. Roadways at no time shall be used to stockpile material either prior to or during operations.
7. All dirt and/or debris, including fluids, tracked or spilled on pavement shall be removed properly and immediately.
8. All equipment utilized within the right of way shall be in proper operating condition.
9. Any damages caused by operations shall be repaired within 30 days. Any damages caused by operations within the roadway shall be repaired immediately.
10. All roadways permitted shall be videotaped, deficiencies noted, with copy provided to Engineers office prior to work commencement.
11. Any drainage tile encountered will be removed immediately and subsequently replaced.
12. Traffic to be maintained and protected with adequate barricades and lights to warrant safe travel.
13. The said company shall save harmless the Board of County Commissioners of Trumbull County, Ohio and the Trumbull County Engineer from all claims or causes of action arising out of the construction work performed within the limits of the above stated County Highway.
14. The said company shall also save harmless the Board of County Commissioners of Trumbull County, Ohio and the Trumbull County Engineer from all claims and causes of action that in any way arise out of work being performed on behalf of the County of Trumbull either through the Trumbull County Board of Commissioners or the Trumbull County Engineer by way of installation of the new lines or the repair and maintenance of established lines owned or to be owned and maintained by Trumbull County.
15. To notify all utilities in the right-of-way two (2) working days prior to construction by calling the Ohio Utilities Protection Service at 1-800-362-2764 for notification of member utilities. Non-members must be called directly.
16. To notify the governing authority at least two (2) working days before starting construction.

NOTE: The main utility line should be at a 3 foot minimum depth and placed at the backside of the ditches. Service lines shall be at a 3 foot minimum depth below the flow line of ditches. A bore pit should be out of the berm area (a minimum of 7 feet away from the pavement edge) to prevent the road from a major collapse. The utility line shall be at a 2 foot minimum depth under any culverts.

**Please contact this office at (330) 675-2640 if you have any questions.**

# REPAIR OF TYPICAL CUTS THROUGH TRUMBULL COUNTY ROADS

\* 408 @ 0.40 GAL./S.Y. WHEN PREMIUM BACKFILL USED  
 APPLY 407 TACK COAT TO SAW CUT VERTICAL FACE  
 SEAL JOINT WITH PG 64-22

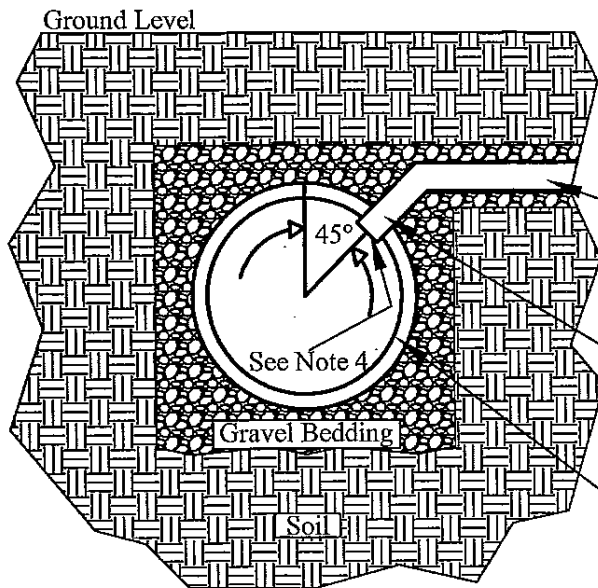


*NOTE: TRAFFIC SHALL BE MAINTAINED AT ALL TIMES UNLESS PERMISSION FROM THE ENGINEER'S OFFICE IS GRANTED OTHERWISE. STEEL PLATING MAY BE REQUIRED IN ORDER TO ACCOMPLISH TRAFFIC MAINTENANCE.*

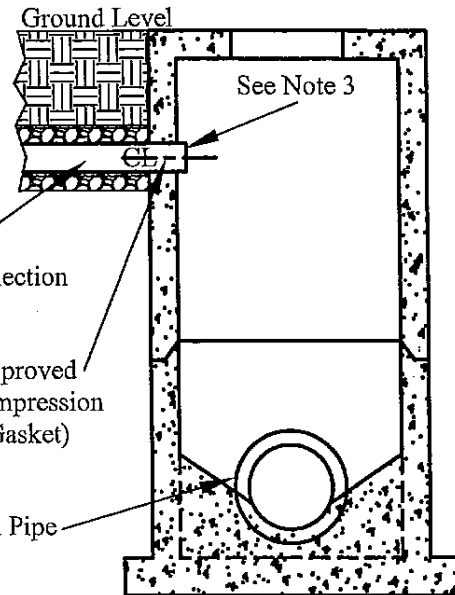
2/5/2009

NOT TO SCALE

TRUMBULL COUNTY ENGINEER



**PIPE CONNECTION THROUGH BARREL (CASE 1)**



**EXISTING CATCH BASIN (CASE 2)**

**NOTES:**

CASE 1, 2 AND 3:

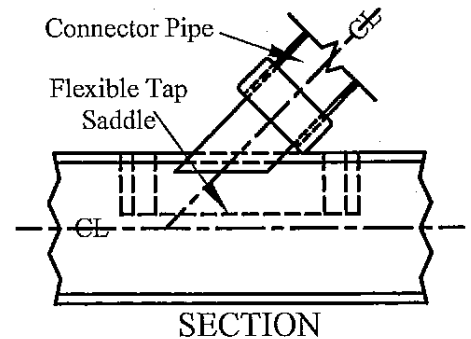
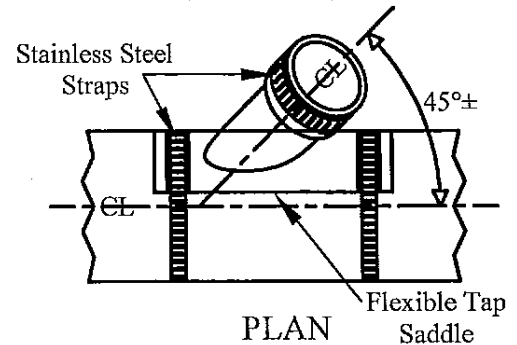
- 1) IF THE OUTSIDE DIAMETER OF THE INLET PIPE EXCEEDS HALF (1/2) THE INSIDE DIAMETER OF THE MAIN STORM DRAIN, OR IF THE PROPOSED PIPE CONNECTION IS LARGER THAN 8" IN DIAMETER, A JUNCTION STRUCTURE SHALL BE REQUIRED.
- 2) ALL CORRUGATED METAL PIPE AND FITTINGS SHALL BE GALVANIZED.
- 3) THE END OF THE CONNECTOR PIPE SHALL NOT PROTRUDE FARTHER THAN ONE (1) INCH WITHIN THE INNER WALL OF THE MAINLINE PIPE OR CATCH BASIN. ROUND, BURN, OR CHIP END OF PIPE TO REDUCE POSSIBILITY OF CLOGGING.

CASE 1 ONLY:

- 4) CENTERLINE OF INLET SHALL BE ON RADIUS OF MAIN STORM DRAIN.

CASE 3 ONLY:

- 5) TRIM OR CUT FLEXIBLE TAP SADDLES TO FIT PROPERLY OVER THE OUTSIDE OF THE MAIN PIPE AND SO ITS AXIS WILL BE ON THE LINE OF GRADE OF THE CONNECTING PIPE.
- 6) THE OPENING INTO THE PIPE SHALL BE CUT AND TRIMMED TO FIT THE SADDLE SO NO PART WILL PROJECT WITHIN THE BORE OF THE FLEXIBLE TAP SADDLE.
- 7) THE CONNECTION PIPE SHALL BE SUPPORTED BY A FLEXIBLE TAP SADDLE WITH STAINLESS STEEL STRAPS AS SHOWN IN THE SADDLE CONNECTION SECTION UNLESS AN ALTERNATIVE METHOD IS APPROVED BY THE TRUMBULL COUNTY ENGINEER IN ADVANCE.



**FLEXIBLE TAP SADDLE CONNECTION (CASE 3)**

# STORM SEWER SPECIFICATIONS

**MISCELLANEOUS CONNECTIONS FOR STORM SEWER**

**TRUMBULL COUNTY ENGINEER**  
 RANDY L. SMITH, P.E., P.S.  
 650 NORTH RIVER ROAD N.W.  
 WARREN, OHIO 44483

DATE: 4/28/09      DRAWN BY: WCH      CHECKED BY: JPP

## **903.02 Permit Fees**

Residential Streets \$25

Major Streets \$50

Central Business District \$100

Long Line Permit \$150

Standard Driveway Approach/Sidewalk Permit \$25

Tree Lawn Area 1x Normal Rates listed above

Sidewalk or Driveway Area 2x Normal Rate listed above

Pavement Area 3x Normal Rate listed above

1. Any openings after hours, the Police Department will be notified. Street opening permits shall be valid for the time limit shown on the permit and a penalty of twenty dollars (\$20.00) per day shall be assessed for each day beyond the time permitted for the street opening. A permit time limit may be extended upon request, due to inclement weather or adverse conditions.

2. The Central Business Area shall consist of an area bounded by East State Street, Robbins Avenue, North Main Street, Maple Street, North and South Chestnut Street and West State Street.

3. Major streets are designated as North and South Main Streets, Warren Avenue, Park Avenue, Belmont Avenue, Summit Avenue, East Park Avenue, Robbins Avenue, Vienna Avenue, Vienna Road, E. Federal Street, Warren-Youngstown Road and North Road.

4. A "long line" permit shall be issued by the Public Utilities Infrastructure Coordinator to cover work considered to be of a continuous nature over a relatively long length of right of way, specifically in the case of the installation of new lines, piping or conduits or maintenance or the replacement of line, piping or conduits where the length of the work exceeds fifty feet or where there are three or more openings per 100 feet.

The rate of the "long line" permit shall be governed by the location of the majority of the area disturbed. Additional permits will be required for each additional one foot to four hundred feet.

5. Surface or subsurface landscaping shall require a permit. The fee for such permit shall be at the determination of the Director of Public Service or Public Utilities Infrastructure Coordinator, but subject to a maximum fee of ten dollars (\$10.00) per opening.

6. The permit fee shall be due at the time of issuance of permit or payable upon invoice by the Public Utilities Infrastructure Coordinator and shall be kept current. Failure to maintain a current account will be just cause for the refusal of all future permits of any type. Detailed plans governing "long line" work shall be submitted at least ten days prior to permit application for approval by the Public Utilities Infrastructure Coordinator. No permit governing this work will be issued prior to approval of detailed plans. Plan approval shall include location of work, methods of construction, types of materials, pedestrian and vehicular traffic control, types of pavement restoration, lawn restoration, time limits and any other requirement deemed necessary to insure the health, safety and welfare of the public.

7. The City reserves the right to repair or replace any restored area which is not deemed acceptable by the Public Utilities Infrastructure Coordinator and assess all costs to the applicant.

New pavements shall be considered those pavements which have been newly constructed in part, or in total, or newly resurfaced in part, or in total in the two-year period prior to the permit application date.

In the case of "long line" permits in new pavements, the fee shall be ten times the fee in Section 903.02 and permits shall be issued only after approval of detailed plans and with written approval by the Public Utilities Infrastructure Coordinator.

8. The salary of the Inspector in the Department of Engineering shall be supported by the permit fees collected.

9. In the event of an emergency, or where the health, safety and welfare of the public are involved, street excavations may be made immediately by the proper authority provided that notification within twenty-four hours is given to the Director of Public Service, Public Utilities Infrastructure Coordinator,

Mayor, or the safety forces.

The intent of this section is the waiver of prior application and approvals by the City Engineer; but in no case is it intended that permit fees, restoration fees or inspection fees be waived. These shall be computed and levied as previously described in the various sections upon passage of the emergency. (Ord. 10019-72. Passed 9-20-72.)

#### HISTORY

*Amended by Ord. 23-23 amend on 2/15/2023*