

City of Tallmadge
Department of Public Service
2021 Beechwood Drive Waterline Extension

Addendum No. 2

May 7, 2021

This addendum is for the following Items:

1. Bid Document Section II: Bid Forms (page 30 - 35).

Delete the Scope of Bids and replace with the attached Scope of Bids.

2. Bid Document Section II: Bid Forms (pages to 38 to 46)

Delete the existing Bid Forms for Base Bid, Add Alternate 'A' and Add Alternate 'B' and replace with the attached Bid Forms.

3. Construction Drawings: Plan Sheet 8

All references to 8" FPVC on this sheet shall be 8" FPVC DR18.

I acknowledge the receipt of Addendum No. 2:

Company Name

Officer's Name

Officer's Signature

Date

THIS COMPLETED FORM MUST BE SUBMITTED WITH BID PROPOSAL

**SCOPE OF BIDS
CITY OF TALLMADGE, OHIO
WATER SYSTEM IMPROVEMENTS
BEECHWOOD DRIVE WATER MAIN**

**BASE BID – DUNBAR RD. TO MACA DR.
ADD ALTERNAT ‘A’ – MACA DR. TO MACA PARK (OPEN-CUT)
AD ALTERNATE ‘B’ – MACA DR. TO MACA PARK (DIRECTIONAL DRILL)**

It is understood and agreed that the CONTRACTOR has, by careful examination, satisfied himself as to the nature and location of the work; the conformation of the ground; the character, quality, and quantity of the materials to be encountered; the character or equipment and facilities needed preliminary to and during the prosecution of the work; the general and local conditions; and all other matters which can, in any way, affect the work under this Contract.

All known structures, pipelines, and utilities have been indicated in their approximate locations on the plans, and any reasonable variation in size and location of structures and pipe shall not be cause for extra payment.

Major deviations or modifications during construction, from that shown on, or the true intent of, the plans and specifications requiring more or less labor and materials shall be authorized by Change Order.

If construction procedures and equipment being utilized by the CONTRACTOR prove to be inadequate in the performance of the Contract, the procedures and equipment shall be modified or alternative equipment shall be furnished and used at no cost to the OWNER.

The CONTRACTOR will be responsible for obtaining and paying all costs associated with any telephone service he may require during the Contract period. The CONTRACTOR will be responsible for supplying, maintaining, and paying all costs associated with all temporary and permanent utility services as required for construction of the Work. The CONTRACTOR shall pay the monthly costs associated with electrical service throughout the Contract Time including testing and start-up until the project reaches substantial completion.

The price Bid shall include the following:

1. All labor, materials, and equipment in accordance with Article 6 of the General Conditions.
2. All field staking necessary for construction from control points established by the ENGINEER/ARCHITECT.
3. All assistance required by the ENGINEER/ARCHITECT to verify compliance with the Contract Documents, including measuring for quantities.
4. All audio-video color taping as specified.
5. All coordination, sequencing, permits, and traffic control.
6. All costs associated with permits, fees, and specialty inspection costs necessary for crossing existing utilities.

All BIDDERS must Bid Items 1 through 17 inclusive.

Item 1 – Mobilization.

This item shall include all necessary labor, tools, equipment, materials, and activities including but not limited to: mobilizing, demobilizing, storing, and staging equipment as required to perform the project; and all other related work and expenses whether specifically mentioned or not, required for the completion of the bid item(s) in accordance with the contract documents, plans, and specifications,

Payment will be made on a lump sum basis.

Item 2 – Pre-Construction Audio-Video Recording.

This item shall include all necessary labor, tools, equipment, materials, and activities including but not limited to: pre-construction audio-video recording of all project areas, adjacent areas, and areas with the potential to be impacted by project activities; and all other related work and expenses whether specifically mentioned or not, required for the completion of the bid item(s) in accordance with the contract documents, plans, and specifications,

Payment will be made on a lump sum basis.

Item 3 – Maintenance of Traffic.

This item shall include all necessary labor, tools, equipment, materials, and activities including but not limited to: maintaining traffic during the duration of the project; signs, lights, barricades, flaggers, portable traffic signals; coordination with and maintaining access for emergency and delivery vehicles, residents, businesses, and property owners; coordination with state, county, township, and village officials having jurisdiction over affected roads; MOT review submittals; and all other related work and expenses whether specifically mentioned or not, required for the completion of the bid item(s) in accordance with the contract documents, plans, and specifications,

Payment will be made on a lump sum basis.

Item 4 – Site Restoration/Grading/Seeding.

This item shall include all necessary labor, tools, equipment, materials, and activities including but not limited to: grading, topsoil, fertilizer, seeding, mulch, mats, geotextile fabric; edging material, watering, to replace existing disturbed or damaged areas of work to a condition equal to or better than previously existed; furnishing, repairing, relocating, reinstalling, replacing all necessary plantings, bushes, trees, landscaping, fencing, signs, mailboxes, etc. necessary to address those items affected during construction with like material; coordination with property owners; and all other related work and expenses whether specifically mentioned or not, required for the completion of the bid item(s) in accordance with the contract documents, plans, and specifications.

Payment will be made on a lump sum basis.

Item 5 – Temporary Sediment & Erosion Control.

This item shall include all necessary labor, tools, equipment, materials, and activities including but not limited to: maintain sediment and erosion control during the duration of the project within the project limits; permits, install, maintain, remove, temporary sediment and erosion controls; clean-up and all other related work and expenses whether specifically mentioned or not, required for the completion of the bid item(s) in accordance with the contract documents, plans, and specifications,

Payment will be made on a lump sum basis.

Item 6 – PVC C909 Waterline (Open-Cut).

This item shall include all necessary materials, equipment, tools, and labor including but not limited to: utility verification; locating and staking of alignment; clearing; grubbing; stump removal; excavation; trenching; embankments; dewatering; sheeting; trench boxes; preparation of trench bottom; pipe and fittings; joint material; thrust blocking; temporary thrust blocking; concrete encasement; tracer wire and test stations; metallic locating tape; removal, repair, and replacement of drive culverts; restrained joints; pipe bedding; trench excavated material backfill; compaction; compaction testing; disinfection and testing; hauling and disposal of waste material; tree protection and trimming; repair and replacement of damaged utilities and utility service connections; repair and replacement of damaged drain lines/tiles; pavement saw cutting and removal; temporary pavement; dust, odor, and noise control; daily clean-up; connection to existing mains; cutting, plugging, and capping of existing mains; water main abandonment; water valve abandonment; utility pole support and restraint; sign removal and replacement; protection, removal, and restoration of landscaping; drainage feature restoration; coordination with Owner, Owner's representative, residents, businesses, and property owners; and all other related work and expenses whether specifically mentioned or not, required for the completion of the bid item(s) in accordance with the contract documents, plans, and specifications.

Payment will be made on a lineal foot basis as measured through fittings and valves from center to center of fittings and valves along the centerline of the water line, complete, tested, disinfected, and ready for service.

Item 7 – FPVC C900 Water Main (Directional Drilled).

This item shall include all necessary labor, tools, equipment, materials, and activities including but not limited to: horizontal directional drilling (HDD) installation of water mains; utility verification; locating and staking of alignment; clearing; grubbing; stump removal; excavation; pipe and fittings; drilling fluids; removal, hauling, and disposal of soil slurries; drilling fluid relief holes; tracer wire and test stations; conductors; testing backfill; disinfection and testing; repair or replacement of damaged utilities and utility service connections; daily clean-up; dust, odor, and noise control; connections to existing mains; replacement of pavement or other above ground areas damaged due to heaving and equipment; excavation pits required to connect water main ends; coordinating with utilities; pavement saw cutting and removal; temporary pavement; and all other related work and expenses whether specifically mentioned or not, required for the completion of the bid item(s) in accordance with the contract documents, plans, and specifications.

Payment will be made on a lineal foot basis as measured through fittings and valves from center to center of fittings and valves along the centerline of the directionally drilled water main, complete, tested, disinfected, and ready for service.

Item 8 – Cut-in Tees.

These items shall include all necessary labor, tools, equipment, and materials, and activities necessary to install the cut-in tees including, but not limited to: clearing; pavement saw cutting; pavement removal; excavation; rock excavation; embankments; dewatering; sheeting; trench boxes; preparation of trench bottom; trench backfill as required; compaction; tamping; pipe; joint material; pipe fittings; tees; solid sleeve couplings; restrained joints; blocking; concrete encasement; metal locators; zinc anode caps; granular bedding to 12- inches above the pipe; backfill; testing; disposal of waste material; cleaning up; disinfection and testing; dust; odor and noise control; traffic control; lights; signs and barricades; connections to existing/new water mains; ditch restoration; and all other expenses whether specifically mentioned or not.

Payment will be made at the unit price BID for each cut-in tee installed, complete.

Item 9 – Gate Valves.

This item shall include all necessary labor, tools, equipment, materials, and activities including but not limited to: furnishing, installing, and testing gate valves and valve boxes complete; excavation, backfill; joint material; pipe; fittings; masonry units; spare wrenches; and all other related work and expenses whether specifically mentioned or not, required for the completion of the bid item(s) in accordance with the contract documents, plans, and specifications.

Payment will be made at the unit price bid for each valve and box installed.

Item 10 – Fire Hydrant Assembly.

This item shall include all necessary labor, tools, equipment, materials, and activities including but not limited to: furnishing and installing fire hydrant complete; excavation, backfill; joint material; pipe; fittings; bends; tees; watch valve and box; masonry units; painting; and all other related work and expenses whether specifically mentioned or not, required for the completion of the bid item(s) in accordance with the contract documents, plans, and specifications.

Payment will be made at the unit price bid for each hydrant installed complete.

Items 11 and 12 – Service Connections.

These items shall include furnishing and installing service connections in accordance with the drawings and specifications. Include also in this item excavation; boring and/or jacking as necessary; copper pipe/tubing; fittings; service saddles; corporation stop; curb valve and box; meter pit and fittings; tapping of water main; backfill; grading and seeding; cleaning up; and all other necessary expenses whether specifically mentioned or not.

Payment will be made at the unit price BID for each service connection installed, complete.

Item 13 – Pavement Replacement.

This item shall include all necessary labor, tools, equipment, materials, and activities including but not limited to: replacement of existing disturbed or damaged pavements as detailed on the plan sheets and specifications and when directed by the Owner/Engineer; continuous maintenance of all areas to be replaced, including temporary pavement, until permanent pavement is installed; and all other related work

and expenses whether specifically mentioned or not, required for the completion of the bid item(s) in accordance with the contract documents, plans, and specifications.

The area for payment shall be computed by multiplying the length of the disturbed area as measured along the centerline of the pipe, times the width of the disturbed area, but in no case shall the limits for payment on either side of the centerline of the pipe be greater than the following, unless otherwise depicted on the plan sheets:

*"Road Pavement" and "Concrete Drive" and "Asphalt Drive" Pavement Replacement

Waterline O.D./2 + 2'-0"

*1'-0" shall bear on undisturbed soil

"Gravel Drive" Pavement Replacement

Waterline O.D./2 + 1'-0"

In case any pavement is damaged or disturbed outside of the above described pay limits, that pavement shall be replaced by the Contractor at no cost to the Owner.

Payment will be made for each pavement type at the unit price bid per square yard for the quantities as determined from the measurements specified above.

Item 14 – Concrete Curb Remove & Replace.

This item shall include all necessary labor, tools, equipment, materials, and activities including but not limited to: removal and replacement of existing disturbed or damaged concrete curb as detailed on the plan sheets and specifications and when directed by the Owner/Engineer; continuous maintenance for 1 year of all areas to be replaced; and all other related work and expenses whether specifically mentioned or not, required for the completion of the bid item(s) in accordance with the contract documents, plans, and specifications.

The length of curb removal & replacement shall be measured along the length of the disturbed areas as measured along the front of curb, but in no case shall the limits for curb removal & replacement be more than 4'-0" or to the nearest joint beyond 4'-0" outside the disturbed area.

In case any curb is damaged or disturbed outside of the above described pay limits, that curb shall be replaced with the same type as included for payment, all at the Contractor's expense.

Payment will be made for curb removed & replaced at the unit price Bid per lineal foot of the quantities as determined from the measurements specified above.

Item 15 – Granular Backfill.

This item shall include all necessary labor, tools, equipment, materials, and activities including but not limited to: furnishing and placing of all granular backfill material necessary to backfill trenches as detailed on the plan sheets and specifications and when directed by the Owner/Engineer; compaction; testing; tamping; and all other related work and expenses whether specifically mentioned or not, required for the completion of the bid item(s) in accordance with the contract documents, plans, and specifications.

The volume for payment shall be computed by multiplying the length of the backfilled trench as measured along the centerline of the pipe, times the actual width of the trench at the top of the pipe barrel, but not to exceed the nominal pipe diameter plus 2 feet, times a height measured from the top of the pipe bedding to the top of the granular backfill.

In case any material is required to backfill the trench outside the above described pay limits, that granular backfill shall be provided by the Contractor at no cost to the Owner.

Payment will be made at the unit price bid per cubic yard for the quantities as determined from the measurements specified above.

Item 16 – Controlled Density Fill (CDF).

This item shall include all necessary labor, tools, equipment, materials, and activities including but not limited to: furnishing and placing of all controlled density fill (CDF) material necessary to backfill trenches as detailed on the plan sheets and specifications and when directed by the Owner/Engineer; and all other related work and expenses whether specifically mentioned or not, required for the completion of the bid item(s) in accordance with the contract documents, plans, and specifications.

The volume for payment shall be computed by multiplying the length of the backfilled trench as measured along the centerline of the pipe, times the actual width of the trench at the top of the pipe barrel, but not to exceed the nominal pipe diameter plus 2 feet, times a height measured from the top of the pipe bedding to the top of the controlled density fill.

In case any material is required to backfill the trench outside the above described pay limits, that controlled density fill shall be provided by the Contractor at no cost to the Owner.

Payment will be made at the unit price bid per cubic yard for the quantities as determined from the measurements specified above.

Item 17 – Underground Utility Allowance.

This item shall include a bid allowance for miscellaneous work and activities beyond that identified in the Contract Documents, plans, and specifications, which could not have reasonably been known or identified at the time of bidding; and as identified and requested by the Owner/Engineer; Contractor shall submit a detailed plan and cost breakdown, including schedule to the Owner/Engineer for review and approval prior to purchasing items and performing work. The bid allowance amount will be adjusted by final adjusting change order at the conclusion of the project to reflect the final amount.

Payment will be made in accordance with the General Conditions.

BID SCHEDULE

**CITY OF TALLMADGE, OHIO
WATER SYSTEM IMPROVEMENTS
SOUTH AVENUE WATER MAIN REPLACEMENT**

BASE BID – DUNBAR RD. TO MACA DR.

BIDDER agrees to perform all the work described in the Contract Documents for the following unit prices:

(1) Item	(2) Description	(3) Quantity	(4) Unit	Unit Prices in Figures		(7 = 5 + 6) Total (Sum of Labor and Material)	(8 = 3 x 7) Total Extended Informal Price in Figures
				(5) Labor	(6) Material		
1.	Mobilization	1	lump				
2.	Pre-Construction Audio-Video Recording	1	lump				
3.	Maintenance of Traffic	1	lump				
4.	Site Restoration / Grading / Seeding	1	lump				
5.	Temporary Sediment & Erosion Control	1	lump				
6.	8-Inch PVC C909 Waterline (Open Cut)	175	l.f.				
7.	8-Inch FPVC C900 DR 18 Waterline (Directionally Drilled)	265	l.f.				
8.	8-Inch x 8-Inch Cut-in Tee	2	ea.				
9.	8-Inch Gate Valve	3	ea.				
10.	Fire Hydrant Assembly	0	ea.	----	----	----	----
11.	1-Inch Service Connection – Short	0	ea.	----	----	----	----

(1) Item	(2) Description	(3) Quantity	(4) Unit	Unit Prices in Figures		(7 = 5 + 6) Total (Sum of Labor and Material)	(8 = 3 x 7) Total Extended Informal Price in Figures
				(5) Labor	(6) Material		
12.	1-Inch Service Connection - Long	0	ea.	----	----	----	----
13.	Asphalt Roadway Pavement Replacement	25	s.y.				
14.	Concrete Curb Remove & Replace	20	l.f.				
15.	Granular Backfill	20	c.y.				
16.	Controlled Density Fill (CDF)	30	c.y.				
17.	Underground Utility Allowance	1	lump	----	----	\$ 10,000.00	\$ 10,000.00

**BASE BID – DUNBAR RD. TO MACA DR.
BID SCHEDULE (Continued)**

Informal Total of Bid Items 1 Through 17 \$ _____

Respectfully submitted:

Name of Contractor Address

Signature Date

Title Phone Number

(Seal - if Bid is by a corporation)

Attest _____

BID SCHEDULE

**CITY OF TALLMADGE, OHIO
WATER SYSTEM IMPROVEMENTS
SOUTH AVENUE WATER MAIN REPLACEMENT**

ADD ALTERNATE 'A' – MACA DR. TO MACA PARK (OPEN-CUT)

BIDDER agrees to perform all the work described in the Contract Documents for the following unit prices:

(1) Item	(2) Description	(3) Quantity	(4) Unit	Unit Prices in Figures		(7 = 5 + 6) Total (Sum of Labor and Material)	(8 = 3 x 7) Total Extended Informal Price in Figures
				(5) Labor	(6) Material		
1A.	Mobilization	1	lump				
2A.	Pre-Construction Audio-Video Recording	1	lump				
3A.	Maintenance of Traffic	1	lump				
4A.	Site Restoration / Grading / Seeding	1	lump				
5A.	Temporary Sediment & Erosion Control	1	lump				
6A.	8-Inch PVC C909 Waterline (Open Cut)	475	l.f.				
7A.	8-Inch FPVC C900 DR 18 Waterline (Directionally Drilled)	0	l.f.	----	----	----	----
8A.	6-Inch x 6-Inch Cut-in Tee	1	ea.				
9A.	6-Inch Gate Valve	1	ea.				
10A.	Fire Hydrant Assembly	2	ea.				

(1) Item	(2) Description	(3) Quantity	(4) Unit	Unit Prices in Figures		(7 = 5 + 6) Total (Sum of Labor and Material)	(8 = 3 x 7) Total Extended Informal Price in Figures
				(5) Labor	(6) Material		
11A.	1-Inch Service Connection – Short	3	ea.				
12A.	1-Inch Service Connection - Long	4	ea.				
13A.	Asphalt Roadway Pavement Replacement	215	s.y.				
14A.	Concrete Curb Remove & Replace	10	l.f.				
15A.	Granular Backfill	10	c.y.				
16A.	Controlled Density Fill (CDF)	155	c.y.				
17A.	Underground Utility Allowance	0	lump	----	----	----	----

**ADD ALTERNATE 'A' – MACA DR. TO MACA PARK (OPEN CUT)
BID SCHEDULE (Continued)**

Informal Total of Bid Items 1A Through 17A \$ _____

Respectfully submitted:

Name of Contractor

Address

Signature

Date

Title

Phone Number

(Seal - if Bid is by a corporation)

Attest _____

BID SCHEDULE

**CITY OF TALLMADGE, OHIO
WATER SYSTEM IMPROVEMENTS
SOUTH AVENUE WATER MAIN REPLACEMENT**

ADD ALTERNATE 'B' – MACA DR. TO MACA PARK (DIRECTIONAL DRILL)

BIDDER agrees to perform all the work described in the Contract Documents for the following unit prices:

(1) Item	(2) Description	(3) Quantity	(4) Unit	Unit Prices in Figures		(7 = 5 + 6) Total (Sum of Labor and Material)	(8 = 3 x 7) Total Extended Informal Price in Figures
				(5) Labor	(6) Material		
1B.	Mobilization	1	lump				
2B.	Pre-Construction Audio-Video Recording	1	lump				
3B.	Maintenance of Traffic	1	lump				
4B.	Site Restoration / Grading / Seeding	1	lump				
5B.	Temporary Sediment & Erosion Control	1	lump				
6B.	8-Inch PVC C909 Waterline (Open Cut)	40	l.f.				
7B.	8-Inch FPVC C900 DR 18 Waterline (Directionally Drilled)	435	l.f.				
8B.	6-Inch x 6-Inch Cut-in Tee	1	ea.				
9B.	6-Inch Gate Valve	1	ea.				
10B.	Fire Hydrant Assembly	2	ea.				
11B.	1-Inch Service Connection – Short	3	ea.				

(1) Item	(2) Description	(3) Quantity	(4) Unit	Unit Prices in Figures		(7 = 5 + 6) Total (Sum of Labor and Material)	(8 = 3 x 7) Total Extended Informal Price in Figures
				(5) Labor	(6) Material		
12B.	1-Inch Service Connection - Long	4	ea.				
13B.	Asphalt Roadway Pavement Replacement	40	s.y.				
14B.	Concrete Curb Remove & Replace	10	l.f.				
15B.	Granular Backfill	10	c.y.				
16B.	Controlled Density Fill (CDF)	15	c.y.				
17B.	Underground Utility Allowance	0	lump	----	----	----	----

**ADD ALTERNATE 'B' – MACA DR. TO MACA PARK (OPEN CUT)
BID SCHEDULE (Continued)**

Informal Total of Bid Items 1B Through 17B \$ _____

Respectfully submitted:

Name of Contractor Address

Signature Date

Title Phone Number

(Seal - if Bid is by a corporation)

Attest _____