2022 Annual Water Main Extension Project
Berry, Dunes, Sands, Solar, Michigan Ave, Danceland Road and South Shores Drive Areas
City Project 2022-10
October 28, 2022

ADDENDUM NO. 1

TO PLANS, SPECIFICATIONS AND CONTRACT DOCUMENTS FOR:
2022 ANNUAL WATER MAIN EXTENSION PROJECT
BERRY, DUNES, SANDS, SOLAR, MICHIGAN AVE, DANCELAND ROAD, SOUTH SHORES DRIVE AREAS
CITY PROJECT 2022-10
DATED OCTOBER 2022

AD-1-1 NOTICE

1.01 This Addendum No. 1 dated October 28, 2022, to the Plans, Specifications and Contract Documents for the above captioned project, supersedes all contrary and conflicting information of the above-mentioned bid proposal documents, which are hereby supplemented in certain particulars as follows:

AD-1-2 BID PROPOSAL

2.01 Remove the Bid Form on pages 18-20 of the Bid Proposal and replace with the Attached Addendum No. 1 Bid Form.

AD-1-3 PREBID MEETING MINUTES

3.01 Add the attached pre-bid meeting sign-in sheet and meeting minutes from the Pre-Bid Meeting on October 19, 2022

AD-1-4 PROJECT PLANS

3.01 Remove and replace Sheet 2 of the plans with the attached sheet updating the schedule of quantities.

Please make the proper acknowledgment of **addenda #1** on page **16** of your bidding documents.

END OF ADDENDUM NO. 1

City Engineer: _____ Date: _October 28, 2022____

CITY OF DECATUR, ILLINOIS
DEPARTMENT OF PUBLIC WORKS
for
2022 ANNUAL WATER MAIN EXTENSION PROJECT
CITY PROJECT 2022-10

WORK ITEM	DESCRIPTION	QTY	PAY UNIT	UNIT PRICE	EXTENSION
56103000	6 INCH POLYWRAPPED D.I.P. WATER MAIN	3,000	Feet	_____	_____
56103100	8 INCH POLYWRAPPED D.I.P. WATER MAIN	2,520	Feet	_____	_____
56109080	12 X 8 INCH TAPPING SLEEVE AND VALVE, MJ	1	Each	_____	_____
56109420	8 INCH 45 DEGREE BENDS, MJ	4	Each	_____	_____
56109400	8 INCH 11.25 DEGREE BENDS, MJ	2	Each	_____	_____
56100015	8’ X 6” INCH TEE, MJ	7	Each	_____	_____
X0327719	8’ PLUG, MJ	1	Each	_____	_____
56103101	8 INCH GRIP RING ACCESSORY KITS	24	Each	_____	_____
56103102	8 INCH FIELDLOCK GASKETS	26	Each	_____	_____
56108800	6 INCH X 6 INCH TAPPING SLEEVE AND VALVE, MJ, W/VALVE BOX	6	Each	_____	_____
56104900	6 INCH VALVE, MJ WITH VALVE BOX	14	Each	_____	_____
56109419	6 INCH 90 DEGREE BENDS, MJ	1	Each	_____	_____
56109418	6 INCH 45 DEGREE BENDS, MJ	8	Each	_____	_____
56109417	6 INCH 22.5 DEGREE BENDS, MJ	8	Each	_____	_____
56100005	6 INCH X 6 INCH TEE, MJ	13	Each	_____	_____
X0100017	6 INCH CAP/PLUG, MJ	2	Each	_____	_____
56103001	6 INCH GRIP RING ACCESSORY KITS	137	Each	_____	_____
56103002	6 INCH FIELDLOCK GASKETS	50	Each	_____	_____
X1200020	6 INCH SLEEVE, MJ	4	Each	_____	_____
X12000F24	6 INCH FRICTION CLAMP	2	Each	_____	_____

WORK ITEM	DESCRIPTION	QTY	PAY UNIT	UNIT PRICE	EXTENSION
X0100017	6 INCH ANCHOR COUPLING	7	Each	_____	_____
X0100017	6 INCH OFFSET NIPPLE	4	Each	_____	_____
X05620029	WATER SERVICE RECONNECT	5	Each	_____	_____
56400600	FIRE HYDRANT, 4.5' BURY	15	Each	_____	_____
20800150	TRENCH BACKFILL	2,300	Cu Yds	_____	_____
44213200	PAVEMENT SAW CUTS	7,000	Feet	_____	_____
59300100	CONTROLLED LOW STRENGTH MATERIAL	20	Cu Yds	_____	_____
44201701	CLASS D PATCHES, 5 INCH PAVEMENT	1,800	Sq Yds	_____	_____
44000200	DRIVEWAY PAVEMENT REMOVAL	61	Sq Yds	_____	_____
44200901	CONCRETE DRIVEWAY REPLACEMENT, 6 INCH	11	Sq Yds	_____	_____
44201681	ASPHALT DRIVEWAY REPLACEMENT, 3 INCH	50	Sq Yds	_____	_____
25000100	SEEDING, CLASS 1 (LAWN MIXTURE) (100 lb/Acre)	40	LB	_____	_____
25000500	PHOSPHORUS FERTILIZER NUTRIENT (90 lb/Acre)	35	LB	_____	_____
25000600	POTASSIUM FERTILIZER NUTRIENT (90 lb/Acre)	35	LB	_____	_____
25000400	NITROGEN FERTILIZER NUTRIENT (90 lb/Acre)	35	LB	_____	_____
25100105	MULCH, METHOD 2 (2 Tons/acre)	1.00	Tons	_____	_____
X0327678	EXPLORATION EXCAVATIONS	10	Each	_____	_____
70102620	TRAFFIC CONTROL	1	Lump Sum	_____	_____
67100100	MOBILIZATION	1	Lump Sum	_____	_____
Z0009000	ALTERATIONS, CANCELLATIONS, EXTENSIONS, DEDUCTIONS AND EXTRA WORK	1	Lump Sum	$150,000	$150,000

TOTAL BASE BID: _____

TOTAL BID IN WORDS:

ALTERNATE "A" DANCELAND ROAD

PAY ITEM	DESCRIPTION	QTY	PAY UNIT	UNIT PRICE	EXTENSION
56103100	8 INCH POLYWRAPPED D.I.P. WATER MAIN	1,320	FEET	_____	_____
56108900	16 X 8 INCH TAPPING SLEEVE AND VALVE, MJ	1	EA	_____	_____
56109420	8 INCH 22.5 DEGREE BENDS, MJ	2	EA	_____	_____
56100015	8' X 6" INCH TEE, MJ	2	EA	_____	_____
56101150	8' X 6" INCH REDUCER, MJ	1	EA	_____	_____
56103101	8 INCH GRIP RING ACCESSORY KITS	10	EA	_____	_____
56103102	8 INCH FIELDLOCK GASKETS	10	EA	_____	_____
56104900	6 INCH VALVE, MJ WITH VALVE BOX	3	EA	_____	_____
56103001	6 INCH GRIP RING ACCESSORY KITS	4	EA	_____	_____
X0100017	6 INCH ANCHOR COUPLING	3	EA	_____	_____
56400600	FIRE HYDRANT, 4.5' BURY	3	EA	_____	_____
20800150	TRENCH BACKFILL	20	CU YDS	_____	_____
44213200	PAVEMENT SAW CUTS	200	FEET	_____	_____
44201701	CLASS D PATCHES, 5 INCH PAVEMENT	10	SQ YDS	_____	_____
		TOTAL ALTERNATE "A"			_____

TOTAL ALTERNATE "A" IN WORDS _____

TOTAL BASE BID + ALTERNATE "A" _____

Pre-bid Meeting Agenda
for

2022 ANNUAL WATER MAIN REPLACEMENT PROJECT

CITY PROJECT 2022-10

Conference Call
10:00 a.m., Wednesday, October 19, 2022.

I. Introduction

Attendees: Paul Caswell & Karl Ziemer, City of Decatur; Jared Burdick, Burdick Plumbing & Heating; Aaron Green, EL Pruitt.

II. Project Review

Installing water main and associated appurtenances in the Berry Drive, Dunes Drive, Sands Drive, Solar Avenue, Michigan Avenue, Danceland Road and South Shores Drive areas, the project has approx. 3,000 feet of 6" Water Main and 3,840 feet of 8" Water Main..

The work also includes erosion control, pavement and landscape restoration, and traffic control.

III. Minority Participation Goals Review of City Code Chapter 28, Article 10 (Handout and Discussion).

A. Policy

The City of Decatur encourages a diverse workforce for all municipal procurement and public works projects. Toward that end, the City establishes goals for participation by Minority Business Enterprises (MBE) and minority workers for public works contracts, and incentives for procuring equipment, supplies and services for the city government from MBEs.

*The City requires that general contractors show good faith efforts to meet the City's goals of 10% of the project amount be used to hire MBE subcontractors when subcontracting opportunities exist and/or 10% of the total dollar amount of the contract should be for the purchase of goods, material and equipment to Minority Business Enterprise, **and** 18% total hours are to be worked by minority employees. Note that there are two goals that need to be addressed*

B. Definitions

The Prospective bidders are directed to the attached handout that provides an excerpt of the State's definition of a minority.

C. Project Goals and Good Faith Efforts

1. Subcontracting/Supplier Goal: 10% of total dollar amount should be performed by MBE if subcontracting opportunities are available and/or 10% of the total dollar amount of the contract should be for the purchase of goods, material and equipment to Minority Business Enterprises.

   a. Subcontracting is not required but if a subcontractor is used a Good Faith Effort must be made to fill the stated goal.

   The Contractor shall put forward good faith efforts to "actively and aggressively" seek the participation of MBE or minority workers. It is expected that a demonstration of "active" and "aggressive" will include actual direct contact with or working with a minority subcontractor in a manner that leads them to provide actual quotes for the work to be subcontracted. This is benefited by the development of an ongoing relationship with minority subcontractors.

   b. What is the City's expectation of what will be required to demonstrate a Good Faith Effort?

   The City regards a good faith effort, at a minimum, to include direct contacts with 2-3 MBE subcontractors for ***each*** *subcontracting opportunity until the goal is met. The contacts must be with subcontractors that provide the type of work that is being subcontracted. Mass e-mail contacts alone are not considered a good faith effort. Documented follow up requests are required if no response is received. The bidder is to provide all work, all contacts, the method of contact (email, phone, personal, etc.), and the results of each contact. E****mail requests with no reply or other evidence of direct contact are not considered to be acceptable direct contacts.***

   City staff can have no contact with bidders regarding their bid submittal after bids have been opened, so their only opportunity to demonstrate a good faith effort, is to provide all supportive evidence with the bid document. For the benefit of the review that must be conducted by City staff, it is helpful for the bidders to group their direct contacts according to the subcontracting opportunity.

   c. If a proposal or bid for a public works contract meets or exceeds twenty percent (20%) of the total dollar amount of the contract, the City will award a two percent (2%) bonus of up to a maximum of fifty thousand dollars ($50,000). Payment of this extra amount or bonus will be made at the end of the contract and after the City has verified and documented that MBE expenditures met or exceeded twenty percent (20%) of total contract value.

2. Minority Workers Goal: 18% total hours worked should be performed by minority workers.

    a. The City tracks this goal through forms provided by the City, a copy is located within the special provisions. Prevailing wage reports are not required to be submitted when the Prevailing wage act reporting is provided.

Paul Caswell had a short discussion of the MBE goals for the city. Discussed subcontractor and material suppliers as part of the 10% MBE goal. Briefly discussed the 18% labor goal. City is no longer using ePrismSoft to track certified payrolls and MBE labor goals. Contractors will use the forms provided by the city and use IDOL to track certified payroll.

IV. Other Items

Bidders should check Decatur Blueprint's website before submitting a bid to make sure there are no addenda's missing. Only contractors on Decatur Blueprint's plan holder list will get updates on addenda's. You have to purchase the plans to get on their list. Simply downloading a set of plans from the website does not put you on the bidders list.

1. GC-27 Use of Fire Hydrants
   need to use a hydrant meter for any water used other than the first water main flush.
2. SP-2 Completion Date
   A 90 day internal milestone for the completion of a block to block area 90 days after starting the block. Completion shall include all final restoration, seeding and pavement.
3. SP-3 Schedule of Work
   Need to provide and adhere to a schedule, weekly schedule updates should be provided. Also highlighted the internal completion date to complete the work.

V. Project Requirements

Karl Ziemer had a brief discussion of some of the unique properties of this project. Discussed the hydrant installations on Sands Drive, the main installation on Solar Ave, and use of friction clamps on Tropicana Road and Michigan Ave. Also mentioned that the new main in South Shores Drive needs to be installed over the center of the concrete culvert.

Pre-Bid Sign-In Sheet

2022 Annual Water Main Replacement Project, Berry, Dunes, Sands, Solar, Michigan, Danceland Road and South Shores Drive areas.

2022-10

October 19, 2022 10:00 a.m. Conference Call

Name ---------- Email Address	Representing	Phone Number ---------- Fax Number	In Person (P) Conference Call (C)
1)	EL Pruitt Company	217-789-0966	P
Email:			C
2)	Burdick Plumbing	217-429-2385	P
Email:			C
3)			P
Email:			C
4)			P
Email:			C
5)			P
Email:			C
6) Paul Caswell	City	217-424-2747	P
Email: pcaswell@decaturil.gov			C
7) Andrew Whitehead	City/Water Services	217-875-5705	P
Email: awhitehead@decaturil.gov			C
8) Karl Ziemer	City	217-424-2747	P
Email: kziemer@decaturi.gov		217-420-0605	C
9)		217-424-2747	P
Email:			C
10)			P
Email:			C
11)			P
Email:			C
12)			P
Email:			C
13)			P
Email:			C
14)			P
Email:			C
15)			P
Email:			C

CITY CODE
CHAPTER 28, ARTICLE 10
MINORITY PARTICIPATION GOALS FOR PUBLIC WORKS CONTRACTS

The "minority person" definition contained in the Illinois Business Enterprise for Minorities, Females and Persons with Disabilities Act, 30 ILCS 575/2 is contained at the back of this handout.

SECTION 10-1. POLICY:

The City of Decatur encourages a diverse workforce for all municipal procurement and public works projects. Toward that end, the City establishes goals for participation by Minority Business Enterprises (MBE) and minority workers for public works contracts, and incentives for procuring equipment, supplies and services for the city government from MBEs. The objectives of the minority participation goals include:

A. Ensuring non-discrimination in the award and administration of City public works contracts;
B. Encouraging a level playing field on which MBE and minority workers can compete fairly for City public works and written procurement contracts awarded based on formal submission of bids;
C. Helping to remove barriers to the participation of MBE and minority workers in the City's municipal procurement and public works contracts;
D. Promoting the use of MBE and minority workers in City public works projects;
E. Ensuring that the minority participation goals are narrowly tailored in accordance with applicable law;
F. Providing appropriate flexibility to contractors in establishing and providing opportunities for MBE inclusion and minority worker recruitment;

(Amended, Ordinance No. 2020-124, August 3, 2020)

SECTION 10-2. DEFINITIONS:

A. MINORITY: For purposes of this Article, the City hereby adopts and incorporates by reference "minority person" as defined in the Illinois Business Enterprise for Minorities, Females and Persons with Disabilities Act, 30 ILCS 575/2.
B. MINORITY BUSINESS ENTERPRISE (MBE): A business that is owned and controlled by minorities. There must be not less than 51 percent minority ownership of the business, and the minority ownership must control the management and daily operations of the business.
C. PUBLIC WORKS CONTRACTS. All City contracts entered into for the repair, remodeling, renovation or construction of public buildings, structures and rights of way.
D. PUBLIC WORKS PROJECTS. All City projects entered into for the repair, remodeling, renovation or construction of public buildings, structures and rights of way.

(Amended, Ordinance No. 2020-124, August 3, 2020)

SECTION 10-3. MINORITY PARTICIPATION GOALS IN PUBLIC PROJECTS:

A. As allowed by law, Contractors for City public works projects shall make a good faith effort to comply with the following minimum goals: (1) Ten (10) percent of the total dollar amount of the contract should be performed by Minority Business Enterprises if subcontracting opportunities are available and/or ten (10) percent of the total dollar amount of the contract should be for the purchase of goods, materials and equipment to be used for the public works project from Minority Business Enterprises with the ten (10) percent goal being met separately or in combination; and (2) Eighteen (18) percent of the total hours worked should be performed by minority workers.

B. In addition to the provisions of Section 10-3 (A) above, where a proposal or bid for a public works contract meets or exceeds twenty percent (20%) of the total dollar amount of the contract, the City will award a two percent (2%) bonus of up to a maximum of fifty thousand dollars ($50,000). Payment of this extra amount or bonus will be made at the end of the contract and after the City has verified and documented that MBE expenditures met or exceeded twenty percent (20%) of total contract value.

C. Subcontracting is not required for a City project. If a subcontractor is used, the contractor shall make a good faith effort to meet the City's minority participation goals in the selection of subcontractors.

D. A contractor shall provide evidence of meeting the City's minority participation goals as directed and required by the Public Works Director or provide evidence that it made a good-faith effort to meet the goals.

E. A good faith effort means the contractor took reasonable and necessary steps to achieve the minority participation goals. "Good faith" means the contractor actively and aggressively sought participation by MBE sub-contractors or vendors or minority workers. The City shall consider the quality, quantity and intensity of efforts made by a contractor. The city may reject bids where, in the sole opinion of the city, the contractor failed to make a good faith effort.

F. Evidence of a good-faith effort includes, but is not limited to, as appropriate:

   i. Soliciting through all reasonable and available means the interest of MBE and minority workers;
   ii. Outreach and recruitment efforts of and to MBEs and minority workers;
   iii. Packaging requirements, when feasible, into tasks, quantities or subcontracts that permit maximum participation from MBEs and minority workers;
   iv. Providing interested MBEs and firms that employ minority workers with adequate information about the bidding process, adequate time to respond and assistance in responding to a solicitation;
   v. Negotiating in good faith with MBEs and firms that employ minority workers;
   vi. Assisting interested MBEs and firms that employ minority workers in obtaining bonding, lines of credit or insurance;
   vii. Assisting interested MBEs and firms that employ minority workers in obtaining necessary equipment, supplies or materials;
   viii. Seeking services from available minority community organizations; minority contractors' groups, minority business assistance offices and other organizations, as appropriate, to provide assistance in recruiting MBEs and minority workers;

ix. If an MBE is rejected, providing sound reasons for rejection based on a thorough investigation of the firm;

x. Providing payroll records or other evidence showing the percentage of minority workers employed on the project or the percentage of project hours completed by minority workers; [This is provided through Prevailing Wage Documentation]

xi. All other good faith efforts or evidence of due diligence to meet the City's minority participation goals.

G. The minority participation goals shall be reviewed annually by the City Manager or his designee. Any changes of the goals shall require a majority vote by Decatur City Council.

(Amended, Ordinance No. 2020-124, August 3, 2020)

SECTION 10-4. PROGRAM ADMINISTRATION:

A. The Public Works Director, his designee, or third party contractor, shall:

i. Administer and enforce the provisions of this Article;

ii. Monitor, track and report on contractors over the contract duration to ensure compliance with this Article.

iii. Report to the City Council no less than annually on MBE utilization pursuant to this City Code.

iv. Provide information to MBEs and minority workers about contractors that are seeking to recruit MBEs and minority workers.

B. The city manager shall establish policies and procedures providing that MBEs bidding on equipment, supplies and services to be purchased through written competitive bidding by the city, including public works contracts, can be awarded in certain circumstances where they may not be the lowest qualified bidder.

(Amended, Ordinance No. 2020-124, August 3, 2020)

SECTION 10-5. PENALTIES:

A. If a contractor fails to meet the City's minority participation goals, falsifies MBEs documentation, and/or fails to provide evidence of a good faith effort to meet the goals, the Public Works Director or his designee may, as appropriate:

i. Order immediate corrective action, as appropriate and practicable, to meet the minority participation goals or to show a good faith effort toward meeting the goals;

ii. Assess a fine or penalty not to exceed $2,000 for each offense. Each day on which a violation occurs or continues shall be considered a separate offense. The assessed fine or penalty may be deducted and withheld from the unpaid portion of the contract;

iii. Order that the contractor will not be considered a responsive responsible bidder for future City projects for a fixed period of time and/or until the contractor provides evidence of making a good faith effort toward meeting the City's minority participation goals.

(Amended, Ordinance No. 2020-124, August 3, 2020)

SECTION 10-6. APPEALS:

The penalty assessed by the Public Works Director or his designee shall be appealable to the City's Human Relations Commission.

SECTION 10-7. WAIVER:

A. If a contractor does not or cannot meet the City's minority participation goals for contracts, it may seek in writing a waiver. The waiver request shall include, as appropriate:
   i. Evidence of the contractor's good faith efforts to secure participation by MBE and minority workers;
   ii. Evidence the contractor received no proposals or inquiries from qualified MBEs or firms that employ minority workers in response to a good faith effort to secure participation.

B. The Public Works Director or his designee may, at his or her discretion, waive the minority participation goals upon finding:
   i. The project is essential for city operations;
   ii. Emergency circumstances require a waiver;
   iii. Evidence of a good faith effort by the contractor;
   iv. Evidence the contractor received no proposals or inquiries from qualified MBE or firms that employ minority workers in response to a good faith effort to secure participation.

(Amended, Ordinance No. 2020-124, August 3, 2020)

Illinois Business Enterprise for Minorities, Females, and Persons with Disabilities Act, 30 ILCS 575/2

(30 ILCS 575/2)

(Section scheduled to be repealed on June 30, 2016)

Sec. 2. Definitions.

(A) For the purpose of this Act, the following terms shall have the following definitions:

(1) "Minority person" shall mean a person who is a citizen or lawful permanent resident of the United States and who is any of the following:

(a) American Indian or Alaska Native (a person having origins in any of the original peoples of North and South America, including Central America, and who maintains tribal affiliation or community attachment).

(b) Asian (a person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent, including, but not limited to, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam).

(c) Black or African American (a person having origins in any of the black racial groups of Africa). Terms such as "Haitian" or "Negro" can be used in addition to "Black or African American".

(d) Hispanic or Latino (a person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race).

(e) Native Hawaiian or Other Pacific Islander (a person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands).

WATER MAIN NOTES

1. ALL WATER MAIN CONSTRUCTION, MATERIALS AND TESTING SHALL BE IN ACCORDANCE WITH THE WATER MAIN CONSTRUCTION STANDARDS OF THE CITY OF DECATUR. ITEMS OF WORK NOT COVERED BY THE CITY STANDARDS SHALL BE COMPLETED IN ACCORDANCE WITH THE "STANDARD SPECIFICATION FOR SEWER AND WATER MAIN CONSTRUCTION IN ILLINOIS", APRIL 2016 AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. WATER MAINS AND SERVICE LINES SHALL BE SEPARATED FROM SEPTIC TANKS, DISPOSAL FIELDS AND SEEPAGE BEDS BY A MINIMUM OF 25 FEET.
3. THE LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES WERE OBTAINED FROM THE CITY OF DECATUR RECORDS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL UNDERGROUND UTILITY LOCATIONS.
4. BEFORE STARTING ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 811 TO LOCATE THE UTILITIES.
5. MINIMUM DEPTH OF THE WATER MAIN SHALL BE 42" TO THE TOP OF THE PIPE. SEE PLANS FOR DETAILS.
6. ALL WATER MAIN SHALL BE POLY WRAPPED DUCTILE IRON PIPE CONFORMING TO AWWA C151, THICKNESS CLASS 52, TAR COATED AND CEMENT LINED WITH PUSH-ON JOINTS CONFORMING TO AWWA C111 AND C600.
7. ALL PLUGS, CAPS, TEES, BENDS AND FITTINGS DEFLECTING 11.5 DEGREES OR MORE SHALL BE THRUST PROTECTED OR HAVE RESTRAINED JOINTS FOR 50 FEET OF PIPE IN ALL DIRECTIONS FROM THE FITTINGS TO PREVENT MOVEMENT OF LINES UNDER PRESSURE. PORTLAND CEMENT CONCRETE BLOCKING SHALL BE A MINIMUM OF 12" THICK AND BE PLACED BETWEEN SOLID, UNDISTURBED GROUND AND THE FITTINGS. THE PIPE AND FITTING JOINTS SHALL REMAIN ACCESSIBLE FOR REPAIRS.
8. ALL CONSTRUCTION, PRESSURE TESTS, LEAKAGE TESTS AND BACTERIOLOGICAL TESTING SHALL CONFORM TO THE "STANDARD SPECIFICATION FOR SEWER AND WATER MAIN CONSTRUCTION IN ILLINOIS", APRIL 2016. THE TESTING OF THE WATER MAIN SHALL BE OBSERVED BY THE ENGINEER.
9. TRENCH BACKFILL CONFORMING TO SECTION 208 AND ARTICLE 1004.05 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED APRIL 1, 2016 SHALL BE USED IN ALL TRENCHES UNDER ALL ROADWAY SURFACES AND DRIVEWAYS AND WITHIN 2 FEET OF THE EDGE OF ANY ROADWAY SURFACES OR DRIVEWAYS.

LEGEND

- RIGHT OF WAY LINE (ROW)
- ℄ OF ROADWAY (STATION)
- 2" GAS — EXISTING BURIED GAS MAIN
- 8" SAN — EXSTING SANITARY SEWER
- 18" STM — EXSTING STORM SEWER
- 6" W — EXISTING WATER MAIN
- S — EXISTING SANITARY SEWER SERVICE LOCATION
- EXISTING CULVERT
- NEW WATER MAIN
- EXISTING SANITARY MANHOLE
- EXISTING CURB INLET
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING CURB BOX LOCATION
- NEW FIRE HYDRANT
- NEW WATER VALVE
- SAWCUT & PAVEMENT REMOVAL LIMITS

SCHEDULE OF QUANTITIES

2022 WATER MAIN REPLACEMENT PROJECT BASE BID

PAY CODE	PAY ITEM	Quantity	Unit
56103000	6 INCH POLYWRAPPED D.I.P. WATER MAIN	3,000	Feet
56103100	8 INCH POLYWRAPPED D.I.P. WATER MAIN	2,520	Feet
56109080	12 X 8 INCH TAPPING SLEEVE AND VALVE, MJ	1	Ea
56109420	8 INCH 45 DEGREE BENDS, MJ	4	Ea
56109408	8 INCH 22.5 DEGREE BENDS, MJ	0	Ea
56109400	8 INCH 11.25 DEGREE BENDS, MJ	2	Ea
56100015	8' X 6" INCH TEE, MJ	7	Ea
56101150	8' X 6" INCH REDUCER, MJ	0	Ea
X0327719	8' PLUG, MJ	1	Ea
56103101	8 INCH GRIP RING ACCESSORY KITS	24	Ea
56103102	8 INCH FIELDLOCK GASKETS	26	Ea
56108800	6 INCH X 6 INCH TAPPING SLEEVE AND VALVE, MJ, W/VALVE BOX	6	Ea
56104900	6 INCH VALVE, MJ WITH VALVE BOX	14	Ea
56109419	6 INCH 90 DEGREE BENDS, MJ	1	Ea
56109418	6 INCH 45 DEGREE BENDS, MJ	8	Ea
56109417	6 INCH 22.5 DEGREE BENDS, MJ	8	Ea
56100005	6 INCH X 6 INCH TEE, MJ	13	Ea
X0100017	6 INCH CAP/PLUG, MJ	2	Ea
56103001	6 INCH GRIP RING ACCESSORY KITS	137	Ea
56103002	6 INCH FIELDLOCK GASKETS	50	Ea
X1200020	6 INCH SLEEVE, MJ	4	Ea
X1200024	6 INCH FRICTION CLAMP	2	Ea
X0100017	6 INCH ANCHOR COUPLING	7	Ea
X0100017	6 INCH OFFSET NIPPLE	4	Ea
X05620029	WATER SERVICE RECONNECT	5	Ea
56400600	FIRE HYDRANT, 4.5' BURY	15	Ea
20800150	TRENCH BACKFILL	2,300	Cu Yds
44213200	PAVEMENT SAW CUTS	7,000	Feet
59300100	CONTROLLED LOW STRENGTH MATERIAL	20	Cu Yds
44201701	CLASS D PATCHES, 5 INCH PAVEMENT	1,800	Sq Yds
44000200	DRIVEWAY PAVEMENT REMOVAL	61	Sq Yds
44200901	CONCRETE DRIVEWAY REPLACEMENT, 6 INCH	11	Sq Yds
44201681	ASPHALT DRIVEWAY REPLACEMENT, 3 INCH	50	Sq Yds
25000100	SEEDING, CLASS 1 (LAWN MIXTURE) (100 lb/Acre)	40	LB
25000500	PHOSPHORUS FERTILIZER NUTRIENT (90 lb/Acre)	35	LB
25000600	POTASSIUM FERTILIZER NUTRIENT (90 lb/Acre)	35	LB
25000400	NITROGEN FERTILIZER NUTRIENT (90 lb/Acre)	35	LB
25100105	MULCH, METHOD 2 (2 Tons/acre)	1.00	Tons
X0327678	EXPLORATION EXCAVATIONS	10	Ea
70102620	TRAFFIC CONTROL	1	Lump Sum
67100100	MOBILIZATION	1	Lump Sum
Z0009000	ALTERATIONS, CANCELLATIONS, EXTENSIONS, DEDUCTIONS AND EXTRA WORK	1	Lump Sum

2022 WATER MAIN REPLACEMENT PROJECT ALTERNATE "A" DANCELAND ROAD

PAY CODE	PAY ITEM	Quantity	Unit
56103100	8 INCH POLYWRAPPED D.I.P. WATER MAIN	1,320	Feet
56108900	16 X 8 INCH TAPPING SLEEVE AND VALVE, MJ	1	Ea
56109420	8 INCH 22.5 DEGREE BENDS, MJ	2	Ea
56100015	8' X 6" INCH TEE, MJ	2	Ea
56101150	8' X 6" INCH REDUCER, MJ	1	Ea
56103101	8 INCH GRIP RING ACCESSORY KITS	10	Ea
56103102	8 INCH FIELDLOCK GASKETS	10	Ea
56104900	6 INCH VALVE, MJ WITH VALVE BOX	3	Ea
56103001	6 INCH GRIP RING ACCESSORY KITS	4	Ea
X0100017	6 INCH ANCHOR COUPLING	3	Ea
56400600	FIRE HYDRANT, 4.5' BURY	3	Ea
20800150	TRENCH BACKFILL	20	Cu Yds
44213200	PAVEMENT SAW CUTS	200	Feet
44201701	CLASS D PATCHES, 5 INCH PAVEMENT	10	Sq Yds