

*PROPOSAL SUBMITTED BY:*

Miller Pipeline, LLC

*Contractor's Name*

301 Arthur Ave.

*Street*

*P.O. Box*

Mt. Prospect, IL 60056

*City*

*State*

*Zip Code*

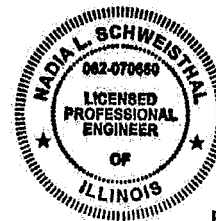


CITY OF AURORA  
KANE COUNTY  
STATE OF ILLINOIS

**PROPOSAL AND SPECIFICATIONS FOR**  
**2025 On-Call Lead Water Service Line**  
**Replacement Contract**

**PROPOSALS DUE**  
**October 30, 2024**  
**At 11:00 am**

**AURORA, ILLINOIS**  
October 2024  
Bid 24-111



EXP. 11/30/25

*Nadia L. Schweisthal*

10/11/2024

PREPARED BY  
CITY OF AURORA  
Engineering Division  
77 S. Broadway Avenue  
AURORA, ILLINOIS 60507

## **TABLE OF CONTENTS**

TITLE PAGE

TABLE OF CONTENTS

NOTICE TO BIDDERS

SPECIAL PROVISIONS

STATE OF ILLINOIS LABOR REQUIREMENTS

CITY OF AURORA GENERAL SPECIFICATIONS

BID BOND FORM \_\_\_\_\_

PROPOSAL

SCHEDULE OF PRICES

SIGNATURE SHEET

BIDDER'S CERTIFICATIONS

APPRENTICESHIP OR TRAINING PROGRAM CERTIFICATION

BIDDER'S TAX CERTIFICATION

LOCAL VENDOR PREFERENCE APPLICATION

TYPICAL DETAILS

**City of Aurora  
Bid 24-111**

**NOTICE TO BIDDERS**

**Time and Place of Opening of Bids**

Sealed proposals for the improvement described below will be received at the office of the City Clerk, 44 E Downer Place, First Floor, Aurora, IL 60505 until **11:00 AM**, Wednesday, October 30, 2024. Proposals will **not** be opened publicly.

**Description of Work**

Name: 2025 On-Call Lead Water Service Line Replacement Contract

Location: Throughout the City of Aurora

Proposed Improvement: Full replacement of lead water service lines from water main to water meter including restoration and other miscellaneous appurtenances all in accordance with the Plans and specifications.

**Bidder Instructions**

1. Plans, specifications, and proposal forms will be available on Monday, October 14, 2024 and may be obtained online at: <https://www.aurora-il.org/bids.aspx>.
2. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in Standard Provisions for Bidding Requirements and Conditions for Contract Proposals contained in the "Supplemental Specifications and Recurring Special Provisions".
3. Any bidder who owes the City money may be disqualified at the City's discretion.
4. The City encourages minority business firms to submit proposals and encourages the successful contract bidder to utilize minority businesses as subcontractors for supplies, equipment, services, and construction.
5. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the Plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in-depth examination. The Awarding Authority will, in no case be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.
6. The City of Aurora has a local preference ordinance that would apply to this contract.
7. The City is requiring experienced contractors with a minimum total of one hundred (100) lead water service line replacements from the water main to the interior meter inside the residence.

By Order of  
City Clerk  
City of Aurora

## INDEX TO SPECIAL PROVISIONS

*Provision      Title*  
*Number*

### ADMINISTRATION

SP A.1 – ALTERATIONS TO PROJECT BY ENGINEER

SP A.2 – ITEMS ORDERED BY ENGINEER

---

SP A.3 – RESPONSIBILITY OF WORK

SP A.4 – PUBLIC SAFETY AND CONVENIENCE

SP A.5 – COMPLETION DATE

SP A.6 – PERFORMANCE GUARANTEE OF WORK

SP A.7 – WORK DAYS AND HOURS

SP A.8 – INCIDENTAL WORK

SP A.9 – PRE-CONSTRUCTION MEETING

SP A.10 – NOTIFICATION

SP A.11 – CONTROL OF MATERIALS

SP A.12 – RECORD DRAWINGS

### SAFETY

SP S.1 – TRAFFIC CONTROL AND PROTECTION

SP S.2 – RESPONSIBILITY FOR CONSTRUCTION SAFETY, SHORING AND CONSTRUCTION METHODS

SP S.3 – LOCATION OF UTILITIES

### HOUSEKEEPING/SOIL EROSION & SEDIMENT CONTROL

SP H.1 – SOIL EROSION CONTROL

SP H.2 – DUST CONTROL AND DIRT ON PAVEMENT

SP H.6 – HAZARDOUS SPILL REMEDIATION

### GENERAL

SP G.1 – MOBILIZATION

SP G.2 – WATER FOR CONSTRUCTION PURPOSES

SP G.3 – SURFACE RESTORATION

SP G.6 – TRENCH BACKFILL, PIPE BEDDING, AND COVER

SP G.7 – COMPACTION REQUIREMENTS

SP G.8 – PIPE AND PRE-CAST CONCRETE STRUCTURES MATERIAL TESTS

SP G.13 – REMOVE AND PLUG ABANDONED WATER SERVICES

SP G.14 – TREE TRIMMING

SP G.16 – BASIS OF AWARD

SP G.17 – BARRICADES, TYPE 2 W/STEADY BURN LIGHTS

SP G.18 – ADVANCED WARNING SIGNS

SP G.19 – LICENSED PLUMBER

SP G.20 – INTERIOR CONNECTION TO WATER METER

SP G.21 – CONTRACTOR REQUIREMENTS

## INDEX TO SPECIAL PROVISIONS

<i>Provision Number</i>	<i>Title</i>
-----------------------------	--------------

### SANITARY SEWERS

SP SN.5 – SANITARY SERVICE CROSSINGS

### WATER MAIN

SP W.2 – WATER SERVICE/WATER SERVICE RELOCATION

### RESTORATION

SP R.1 – SAW CUTTING

SP R.2 – TEMPORARY DRIVEWAY SURFACE, AND TEMPORARY PAVEMENT SURFACE

SP R.3 – HOT MIX ASPHALT PAVEMENT REMOVAL AND REPLACEMENT

SP R.5 – PCC DRIVEWAY PAVEMENT REMOVAL AND REPLACEMENT

SP R.6 – HOT MIX ASPHALT DRIVEWAY PAVEMENT REMOVAL AND REPLACEMENT

SP R.7 – COMBINATION PCC CURB AND GUTTER

SP R.8 – PCC SIDEWALK REMOVAL AND REPLACEMENT, 5" AND DETECTABLE WARNINGS

SP R.10 – SEEDING – AURORA MIX

# **CITY OF AURORA SPECIAL PROVISIONS**

*Revised 1/2024*

The following Special Provisions supplement the General Specifications, the Illinois Department of Transportation's Standard Specifications For Road and Bridge Construction (herein after called the Standard Specifications), the City of Aurora's Standard Specifications for Improvements, the Supplemental Specifications and Recurring Special Provisions, the Standard Specifications for Water And Sewer Main Construction in Illinois, Seventh Edition, the Standard Specifications for Traffic Control Items, Part 890 of the Illinois Plumbing Code (77 IL Admin Code 890.1150) and the latest edition of the Manual on Uniform Traffic Control Devices for Streets and Highways and the Illinois Supplement to the National Manual on Uniform Traffic Control Devices in effect on the date of invitation for proposals. These special provisions apply to and govern the proposed improvement designated as the **2025 On Call Lead Service Line Replacement Contract, Bid 24-111** and in case of conflict with any part or parts of said specifications; these Special Provisions shall take precedence and shall govern.

## **DESCRIPTION OF PROJECT:**

Full replacement of lead water service lines from water main to water meter including restoration and other miscellaneous appurtenances all in accordance with the Plans and specifications.

All questions should be received by the Purchasing Division, in writing at [PurchasingDL@aurora.il.us](mailto:PurchasingDL@aurora.il.us) , by 4 pm Wednesday, October 23, 2024. Questions will be answered via addendum and posted to the City's website at <https://www.aurora-il.org/bids.aspx> by 4:00 pm, Thursday, October 24, 2024 if required. All questions received after Wednesday will not be addressed.

**The start date for 2025 On-Call Lead Service Line Replacement Contract depends on a service needing replacement due to maintenance or leaking but could be as early as 12/2/2024.**

## **SUMMARY OF 2024 MAJOR SPECIAL PROVISION REVISIONS:**

- **SP G.13 – REMOVE AND PLUG ABANDONED WATER SERVICES**
- **SP W.2 – WATER SERVICE/WATER SERVICE RELOCATION**

## **SP A.1 – ALTERATIONS TO PROJECT BY ENGINEER**

The Engineer reserves the right to alter the ~~Plans and details~~, extend or shorten the improvement, add such work as may be necessary, increase or decrease the quantities of work to be performed, and/or eliminate entire pay items all in accordance with Section 104 of the Standard Specifications, except that the Contractor shall not be entitled to additional compensation or lost profits in the event that quantities are reduced below the original contract quantities, or in the event pay items are deleted entirely.

## **SP A.3 – RESPONSIBILITY OF WORK**

During the progress of the work the Contractor shall assume total risk and liability and will be responsible for any and all damages to the work, or to persons, or to public or private property caused by, or in any way resulting from doing the work, including actions of Subcontractors or Material Suppliers.

#### **SP A.4 – PUBLIC SAFETY AND CONVENIENCE**

The Contractor shall maintain drives, entrances, and side roads along the proposed improvement to allow emergency and local vehicle access to all adjacent properties. This access should not allow the passage of non-local vehicular traffic, which should abide by the approved traffic control plan. Interference with traffic movements and inconvenience to abutting property owners and the public shall be kept to a minimum. The Contractor shall always maintain at least one lane open to traffic for emergency vehicles on all streets affected by the construction of these improvements. Adequate use of flaggers and other traffic control devices shall be used to permit such arrangements during working hours. The Contractor shall remove and reinstall all street signs/posts in conflict with the proposed improvements and the contractor will be responsible for the replacement of signs/posts damaged during this process. All signage required for the proper control of traffic (i.e.: stop signs, yield signs, etc.) must be maintained on a temporary basis until the permanent sign can be reinstalled. **If the project is located in a business district, then business open signs shall be posted and maintained during construction.**

~~This work shall not be paid for separately but shall be considered incidental to TRAFFIC CONTROL AND PROTECTION.~~

#### **SP A.6 – PERFORMANCE GUARANTEE OF WORK**

If after the approval of final payment for each class of work and prior to the expiration of 1 year after the date of approval of said final payment, or such longer period of time as may be prescribed by law or by terms of any applicable special guarantee required by the Contract Documents, any work is found to be defective, the Contractor shall promptly, without cost to the Owner and in accordance with written directions of the Owner, remove it from the site and replace it with non-defective work to the satisfaction of the Engineer.

Failure of the Contractor to complete or to remedy defective work within a reasonable time (not to exceed 30 days of notice to Contractor in any event) shall be deemed a default and the Owner may take steps as it deems necessary to complete or remedy said work and charge the cost thereof to the Contractor.

#### **SP A.7 – WORK DAYS AND HOURS**

The allowed hours of work are between 7:00 AM and 7:00 PM, Monday through Friday, and between 8:00 AM and 5:00 PM on Saturdays. No work shall be done on Sundays or Holidays.

**Equipment shall not be started before 6:45 AM.**

#### **SP A.8 – INCIDENTAL WORK**

All work required to install the improvements shown or called for ~~on the Plans and~~ in the specifications, shall be incidental to the various bid items in the proposal even though a specific item is not shown, and no additional compensation shall be made to the Contractor, unless it is indicated that additional payment will be allowed or a unit price is provided for said work in the contract.

#### **SP A.11 – CONTROL OF MATERIALS**

All material used shall meet the requirements of the Illinois Department of Transportation, the Standard Specifications for Water and Sewer Main Construction in Illinois, the City of Aurora Standard Specifications for Improvements, and as outlined in these specifications.

All materials will be inspected, tested, and approved by the Engineer before incorporation into the work. The

Contractor shall provide the City with letters of certification from each supplier when requested.

Any work in which untested and unacceptable materials are used without approval or written permission from the Engineer shall be performed at the Contractor's risk and may be considered as unacceptable and unauthorized and will not be paid for.

### **SP S.1 – TRAFFIC CONTROL AND PROTECTION**

Traffic control shall be in accordance with the applicable sections of the Standard Specifications for Road and Bridge Construction, the Recurring Special Provisions and Supplemental Specifications, the Manual on Uniform Traffic Control Devices for Streets and Highways and the Illinois Supplement to the National Manual on Uniform Traffic Control Devices, and any special details and Highway Standards contained herein and in the Traffic Specifications or Highway Specifications. Special attention is called to Article 107.09 of the Standard Specifications for Road and Bridge Construction.

~~The Contractor shall submit to the Engineer a Traffic Control Plan for approval by the Engineer. The Contractor shall adhere to the approved Traffic Control Plan. The Contractor shall obtain written approval from the Engineer forty-eight (48) hours in advance of the implementation of all alterations or deviations from the Traffic Control Plan.~~

All orange signs used shall be fluorescent orange in color. Deteriorated, damaged, or signs with non-original material on the front surface will not be allowed.

Prior to the start of work the Contractor shall have enough barricades, signs, and flagmen at the jobsite for the scheduled work. If satisfactory traffic control as determined by the Engineer is not in place, the Engineer shall order the work to be halted. Traffic control devices shall not be removed without prior written notice and approval of the Engineer.

~~The Contractor shall obtain, erect, maintain, and remove all signs, barricades, flagmen, and other traffic control devices as may be necessary for the purposes of regulating, warning, or guiding traffic. The supplying, installation, and maintenance of traffic control and protection shall be paid for at the contract unit price per LUMP SUM (LS) for TRAFFIC CONTROL AND PROTECTION.~~

~~Pavement marking removal may be included in the contract. The Contractor shall coordinate pavement marking removal with the Engineer. Pavement marking removal shall be paid for at the contract unit price per SQUARE FOOT (SF) for PAVEMENT MARKING REMOVAL.~~

~~Temporary pavement marking may be included in the contract. The Contractor shall coordinate temporary pavement marking with the Engineer. Temporary pavement marking shall be 4 inches wide and paid for at the contract unit price per FOOT (FT) for TEMPORARY PAVEMENT MARKING — YELLOW, or TEMPORARY PAVEMENT MARKING — WHITE. Temporary pavement marking for words and symbols shall conform to the sizes and dimensions specified in the Manual on Uniform Traffic Control Devices standards and shall be paid for at the contract unit price per SQUARE FOOT (SF) for TEMPORARY PAVEMENT MARKING — LETTERS AND SYMBOLS.~~

### **SP S.2 – RESPONSIBILITY FOR CONSTRUCTION SAFETY, SHORING AND CONSTRUCTION METHODS**

The Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions for the safety of; and shall provide the necessary protection to prevent damage, injury or loss to:

(a) All employees on the work and other persons who may be affected thereby.

(b) All work and materials or equipment to be incorporated therein, whether in storage on or off the site.



(c) Other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement during construction.

The Contractor shall be responsible for complying with all applicable laws, ordinances, rules, regulations, and orders of any public body having jurisdiction for the safety of persons or property or to protect them from damage, injury, or loss. The Contractor shall be responsible for erecting and maintaining, as required by the conditions and progress of the work, all necessary safeguards for its safety and protection, including tight sheeting or shoring of the trench. He shall notify owners of adjacent utilities when prosecution of the work may affect them. All damage, injury, or loss to any property referred to in paragraph (a) or (b) caused, directly or indirectly, in whole or in part, by any Contractor or Subcontractor or anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable, shall be remedied by the Contractor. The Contractor's duties and responsibilities for the safety and protection of all work shall continue until such time as all the work is completed and acceptable. Any damages shall be repaired in a timely manner. All interruptions of essential utilities such as water, electricity, or gas shall be corrected that same day and before the foreman leaves the site. (See Guarantee & Maintenance of Work for time of acceptance.)

The Contractor shall be responsible for coordinating with utility companies regarding the bracing or relocating of utility poles, and the relocation of any underground facilities.

The Engineer shall not be responsible for determining the Contractor's construction means or methods.

### **SP S.3 – LOCATION OF UTILITIES**

The Bidder, before submitting a Bid, shall carefully examine the Proposal, Plans, Details, Specifications, and Special Provisions. The successful Bidder shall inspect in detail the site of the proposed work and be familiar with all the local conditions affecting the proposal and the detailed requirements of construction.

When existing structures, services, utilities, pipelines and improvements (both above and below ground) are shown on the Plans GIS, the locations shown are approximate only and are not guaranteed. ~~Obstructions and improvements in addition to those shown on the Plans may also be encountered in carrying out the work.~~ The Contractor shall be responsible for carrying out all work under this contract without additional compensation for whatever condition is found above or below ground.

The Contractor shall notify all utility companies including the City of Aurora Electrical Department (630) 892-1415, Water and Sewer Department (630) 256-3710, local electric companies, local telephone and communications companies, local natural gas companies, and local cable TV companies, and appropriate school districts, a minimum of two (2) working days (forty-eight hours) prior to beginning any construction or preliminary borings. The Contractor shall have the responsibility to determine from the public utility companies and the City of Aurora Departments the locations of underground pipes, conduits, cables, or other surface or subsurface improvements adjoining or crossing the construction area.

The depth and alignment of the existing water mains and sewers are approximate and may vary in both alignment and depth between manholes and valves. ~~The Contractor shall not be due any additional compensation in the event that the alignment of the sewers and water mains vary from what is shown on the Plans. The call outs shown on the Plans for the existing water mains are approximate and not guaranteed.~~

The Contractor shall be responsible for coordinating with utility companies regarding the bracing or relocating of utility poles, and the relocation of any underground facilities. Cassie Evans ([cassie.evans@ComEd.com](mailto:cassie.evans@ComEd.com), C: 773-241-0741) should be contacted to arrange for any needed pole bracing.

## **SP H.1 – SOIL EROSION CONTROL**

If the size of the project warrants a Storm Water Pollution Prevention Plan (SWPPP), then the Contractor and their Subcontractors shall sign the necessary certification forms and follow the requirements of the SWPPP. The Contractor shall coordinate with the Engineer on correcting any deficiencies identified during inspections or Incidents of Non-compliance and shall notify the Engineer of any changes to the SWPPP's erosion control Plans.

This work shall consist of the supply and installation of soil erosion and sedimentation control devices in accordance with Article 280 of the Standard Specification for Road and Bridge Construction, the City of Aurora's Standard Specifications for Improvements, the Kane-DuPage Soil and Water Conservation District, the Illinois Environmental Protection Agency – Division of Water Pollution Control's NPDES Permit No. ILR10, and with the details within the construction drawings.

Prior to starting any excavation, the Contractor shall be required to place ENGINEER approved inlet protection such as an inlet basket sized to fit that particular frame, or equal, in all curb structures in accordance with the Soil Erosion and Sediment Control Plan.

~~Silt fence shall be installed as shown on the Plans in accordance with the details provided.~~

In the event that ground water is encountered during excavation, the Contractor shall provide dewatering filtration bags for each pump discharge line. The filtration bags shall be as manufactured by Dandy Products or approved equal.

*Erosion and Sedimentation Control shall not be paid for separately but shall be considered incidental to the contract. The supply and installation of inlet baskets shall be paid for at the contract unit price for EACH for INLET PROTECTION. The supply and installation of a filtration bag shall be paid for at the contract unit price per EACH for DEWATERING BAG. The supply, installation, and maintenance of silt fence according to the details included in the improvement Plans shall be paid for at the contract unit price per LINEAL FOOT (LF) for SILT-FENCE. All material used for erosion and sedimentation control shall be disposed of off-site along with all debris collected within the control devices. Disposal shall not be paid for separately and shall be considered incidental to the unit prices above.*

## **SP H.2 – DUST CONTROL & DIRT ON PAVEMENT**

The Contractor shall always be responsible for maintaining dust-free conditions. The Contractor shall clean the pavement of all dirt and debris **at the end of each day's operations**, and at other times as directed by the Engineer by means of high pressure washing or by mechanical sweeping. The Contractor shall provide for the control of dust as specified in Section 24 of the Standard Specifications for Water and Sewer Construction in Illinois, or by the uniform application of a dust control agent approved by the Engineer.

If City water is used for dust control, the Contractor must have a water meter and hoses on site prior to the start of any excavation.

If the Contractor does not meet the requirement of controlling dust and/or cleaning the pavement, within three (3) hours of notification by the Owner, the Owner shall make the necessary arrangements to control the dust and clean the pavement(s). The cost of such action will be deducted from any monies due or to become due to the Contractor. **Additionally, the City will deduct \$750.00 per day from monies due, or to become due, for each day that the Contractor fails to comply with this special provision. In addition, the Contractor will pay any penalties resulting from any Illinois Environmental Protection Agency, NPDES for Construction violations issued to the Owner.** Such sum to be charged not as a penalty but as liquidated damages. The parties agreeing that actual damages to the City of Aurora would be uncertain and difficult to calculate and the amount of such liquidated damages is a reasonable estimate of the supervision costs likely to be incurred by the City of Aurora as a result of the Contractor's failure to control dust and clean the pavement(s) as required.

Dust control and pavement cleaning shall be considered incidental to the cost of the contract and will not be paid for separately.

#### **SP H.6 – HAZARDOUS SPILL REMEDIATION**

The Contractor shall be responsible for the cleanup of any hazardous spills on the jobsite including oil, diesel, gasoline, etc. and any spill that enters the sewer system or any bodies of water downstream. The Contractor shall expeditiously work with all requests from the Illinois Environmental Protection Agency (IEPA) to comply with cleaning up any spills. The Contractor will be required to hire a contractor specializing in environmental cleanup, and that contractor shall coordinate directly with the IEPA. Should the Fire Department be involved responding to reports of spills and the resulting clean up and the spill is traced back to the Contractor's jobsite, the Contractor shall be liable to reimburse the Fire Department any monies incurred for their efforts. The Fire Department efforts include materials, equipment and labor that they deem necessary to contain or clean up the spill. All costs including coordination, fines and documentation with state and federal agencies, hiring of an environmental cleanup contractor, any environmental cleanup, reimbursement of the Fire Department, or any other costs associated with cleaning up or responding to spills originating from the jobsite shall be paid for by the Contractor. The City will not reimburse the Contractor for any of this work should it occur.

#### **SP G.1 – MOBILIZATION**

This item consists of transportation and set up of various equipment necessary to any and all locations for the project, as well as the breakdown and removal of the same equipment.

This item shall be considered incidental to the contract and will not be paid for separately.

#### **SP G.2 – WATER FOR CONSTRUCTION PURPOSES**

City water for construction purposes will be available to the Contractor at his cost according to the prevailing rates in effect at the time. Contractors and their sub-contractors will not be allowed to obtain water from private property. The Contractor shall secure a city water meter by presenting a deposit for \$1,600.00 in the form of a certified check made out to The City of Aurora to the Water Billing Department on the First Floor of 44 E. Downer Place, Aurora, Illinois. The name of the Contractor and their Tax ID number will be required. The Contractor will take the resulting forms to the Water & Sewer Maintenance Division located at 649 S. River Street where the city water meter shall be provided. The Contractor and/or sub-contractor will be fined, according to ordinance, which will be deducted from moneys due, for each unauthorized use of City water regardless of the amount of water used or the reason for unauthorized use.

#### **SP G.3 – SURFACE RESTORATION**

The Contractor shall be responsible for performing any surface restoration required due to damages caused by storing material and/or equipment outside the areas to be excavated. The surface restoration shall be performed in accordance with the Plans and specifications or as directed by the Engineer and shall be at the Contractor's expense.

## **SP G.6 – TRENCH BACKFILL, PIPE BEDDING, AND COVER**

All select granular material shall meet IDOT gradation specifications and shall be either crushed limestone, crushed concrete or crushed gravel. Material excavated as part of this project may be processed on site for re-use with approval from the Engineer at an agreed upon unit price.

### **Pipe Bedding**

Pipe bedding shall consist of over-excavation of the trench bottom and refilling to proper grade in accordance with the trench backfill details included in the Plans.

The cost of supplying and installing the aggregate bedding shall not be paid for separately but shall be considered incidental to the project.

### **Haunching**

Pipe Haunching shall consist of compacted aggregate for the full width of the trench to the spring line for the reinforced concrete pipe or ductile iron pipe and to one foot (1') above the top of the pipe for PVC pipe in accordance with the details included in these Plans.

The cost of supplying and installing the aggregate haunching shall not be paid for separately but shall be considered incidental to the cost of the pipe.

### **Trench Backfill**

Trench backfill shall be placed in accordance with the Standard Specifications for Water and Sewer Main Construction in Illinois and the Trench Backfill Detail as shown on the Plans.

Place Trench Backfill material to required elevations, for each area classification listed below:

#### **Under grassed areas:**

Satisfactory excavated or borrow material, approved by the Engineer.

#### **Under pavements:**

Select Trench Backfill of compacted CA-6 crushed limestone or CA-6 crushed gravel.

Place backfill materials evenly adjacent to structures or piping to required elevations. Take care to prevent wedging action of backfill against structures or displacement of piping by carrying material uniformly around structure of piping to approximately same elevation in each lift.

### **Compaction Jetting and Water Soaking**

The holes through which the water is injected in the backfill shall be placed in a grid pattern at intervals of not more than four feet (4'). Additional holes shall be provided if deemed necessary by the Engineer to ensure adequate settlement. All holes shall be jetted and shall be carried to a point one foot (1') above the top of the pipe. Drilling the holes by means of augers or other mechanical means will not be permitted. Care shall be taken in jetting to prevent contact with or other disturbance to the pipe.

The water shall be injected at a pressure and rate sufficient to sink the holes at a moderate rate. After a hole has been jetted to the required depth, the water shall be injected until it begins to overflow the surface.

If the Contractor requests and receives approval to perform mechanical compaction in place of jetting all trenches, they shall be responsible for hiring and compensating a third-party testing agency to verify that the minimum compaction requirements listed in the Standard Specifications for Water and Sewer Construction in Illinois and the Compaction Requirements special provision shall be met. Mechanical compaction shall be performed in accordance with the Standard Specifications for Water and Sewer Construction in Illinois.

Surface depressions resulting from backfill subsidence caused by compaction shall be filled and re-compacted by tamping or rolling to the satisfaction of the Engineer.

#### Measurement and Payment

The cost of supplying and installing the aggregate bedding and haunching shall not be paid for separately but shall be considered incidental to the contract.

The cost of supplying and installing the initial and final Select Granular Trench Backfill shall be paid for at the contract unit price per CUBIC YARD (CY) for SELECT GRANULAR TRENCH BACKFILL. Section 20 of the Standard Specifications for Water and Sewer Main Construction in Illinois shall be used to determine the quantity of Select Trench Backfill that will be eligible for payment. The depth used for the purposes of calculating the quantity of trench backfill that is eligible for payment shall be from the top of the haunching to the bottom of the bituminous pavement patch.

#### **SP G.7 – COMPACTION REQUIREMENTS**

The Contractor shall control soil compaction during construction in order to provide the minimum percentage of maximum or relative density as specified for each area of classification indicated below:

##### Percentage of Maximum Density Requirements

Compact soil to not less than the following percentages of maximum density for soils which exhibit a well-defined moisture density relationship (cohesive soils) determined in accordance with ASTM D 1557; and not less than the following percentages of relative density, determined in accordance with ASTM D 2049, for soils which will not exhibit a well-defined moisture-density relationship (cohesionless soils).

##### Pavement, Drives, and Sidewalks

Compact the top twelve inches (12") of sub-grade and each layer of backfill material at 95% of the material's maximum density at optimum moisture content as determined by the modified proctor test.

##### Lawn or Unpaved Areas

Compact the top six inches (6") of sub-grade and each layer of backfill material at 85% maximum density for cohesive soils and 90% relative density for cohesionless soils.

##### Moisture Control

Where sub-grade and each layer of soil material must be moisture conditioned before compaction, uniformly apply water to surface of sub-grade, or layer of soil material, to prevent free water appearing on surface during or subsequent to compaction operations.

#### **SP G.14 – TREE TRIMMING**

Tree trimming may be required to allow room for construction equipment to move and swing overhead. In the event tree trimming is needed on a private tree, the contractor shall coordinate with the engineer to confirm the homeowner is notified that their tree will require trimming and the date that the trimming is scheduled to occur. **Tree trimming required for construction shall not be paid for separately but shall be considered incidental to the contract which shall include the disposal of the material removed.**

#### **SP G.16 – BASIS OF AWARD**

The City will review all bids submitted based on the total bid and determine an order of precedence to be used by City Staff when calling upon Contractors to perform work. The City will award contracts to the lowest four (4) bidders. The lowest bidder on the list will be given the first opportunity to mobilize. If this Contractor is not able to mobilize to perform the work, the City will move to the next lowest bidder on the list. The Contractor must mobilize to the jobsite and be prepared to work within one (1) week from the first point of contact.

#### **SP G.17 – BARRICADES, TYPE 2 W/STEADY BURN LIGHTS**

This unit price for Barricades shall include the cost to deliver to and from jobsite up to 15 barricades for use in conjunction with the “emergency repair” work. This work shall be paid for at the unit price per day for “BARRICADES, TYPE 2 W/STEADY BURN LIGHTS” and shall include up to 15 barricades.

#### **SP G.18 – ADVANCED WARNING SIGNS**

The unit price for Advanced Warning Signs shall include the cost for delivering to and from the jobsite up to 4 advanced warning signs (ie: Road Construction Ahead, Left/Right Lane Closed Ahead, Merge, etc....). This work shall be paid for at the unit price per day for “ADVANCED WARNING SIGNS” and shall include up to 4 signs.

#### **SP G.19 – LICENSED PLUMBER**

A plumber licensed by the State of Illinois shall be responsible for any work under this contract, if required by the Illinois Plumbing Code. This cost shall not be paid for separately but shall be considered incidental to the contract unit prices.

#### **SP G.20 – INTERIOR CONNECTION TO WATER METER**

This work shall consist of connecting the new copper water service to the interior water meter, in accordance with the details and as directed by the Engineer.

- Trenchless pipe installation from the b-box to the point of entry will be billed by the foot for pipe installation
- The interior connection pay item shall include up to 10' of additional pipe past the point of entry, the connection to the existing meter and a new 1" brass ball valve before and if needed after the meter.
- Interior pipe in excess of 10' shall be paid per foot of Interior 1" Copper pipe
- A new drain down shall be installed if needed and included in the cost of the interior connection
- The hole in the foundation wall or concrete floor shall be patched with hydraulic cement or concrete which shall be included in the interior connection. Any restoration beyond this patch will be the homeowner's responsibility
- Existing jumper wire and ground clamps will be reinstalled or replaced if needed which shall be included in the interior connection
- If the meter requires replacement, the replacement will be scheduled and completed by the City at a later date
- City to provide meter socket or meter horn if needed but the installation cost shall be included in the interior connection pay item
- If the water heater requires removal and resetting it shall be paid for separately if approved by the Engineer

This work shall be paid for at the contract unit price per EACH for INTERIOR CONNECTION TO WATER METER W/SLAB or INTERIOR CONNECTION TO WATER METER W/BASEMENT OR CRAWL SPACE and shall include all materials and labor necessary to perform the work as previously specified.

## **SP G.21 – CONTRACTOR REQUIREMENTS AND LETTERS OF RECOMMENDATION**

The Contractor and subcontractors shall have experience with installing both public and private water services and interior residential water meters with a minimum total of one hundred (100) service replacements. Therefore, the Contractor shall submit at least three (3) letters of recommendation from municipalities (city, county, townships, etc.) that had projects of similar scope; specifically installing services from the water main to the interior meter via trenchless methods. The letters of recommendation shall include the following:

- Project name and location
- Summary of services provided
- Date of Contract
- Reference contact name, phone number, and address of the person associated with the project

## **SP SN.5 – SANITARY SERVICE CROSSINGS**

This item consists of replacing sanitary services in accordance with the details and as directed by the Engineer in the field.

**The locations of any existing sanitary services painted on-site by private contractors are approximate and are not guaranteed to be correct or complete. Sanitary services are private utilities and will not be located by the City. The Contractor shall be responsible for locating all sanitary services in the field and repairing any damaged services.** The Contractor should anticipate encountering inactive sanitary services and active sanitary services that are not shown on the Plans.

In the event of a break in a sanitary service and/or riser, the Contractor shall maintain the flow from the sanitary service at all times.

Contractor shall replace said services with PVC DR 18 C-900 pipe. All connections shall be made using CNSS non-shear sewer couplings as manufactured by Cascade Water Works Mfg. Co. or approved equal. The coupling shall be constructed with an outer shell of T-304 (ASTM A-240/ASME SA-240) stainless steel with three stainless steel heavy duty worm gear fasteners (SAE J-1508 - MIL 5059-A) permanently welded in place and passivated per ASTM A-380. The shell shall fully encircle a 40 durometer ribbed gasket made from virgin SBR (ASTM D2000) rubber formulated for sewer service. Inserts shall be provided to compensate for differences in the outside diameters of the new and existing pipes.

**Payment for the work specified herein shall be made at the contract unit price per FOOT (FT), measured in accordance with the details shown on the Plans for SANITARY SEWER SERVICE REMOVAL & REPLACEMENT, 6" replaced at grade.**

## **SP W.2 – WATER SERVICE/WATER SERVICE RELOCATION**

All copper fittings shall be flared fittings. Compression fittings shall **not** be allowed. All water services shall be constructed of 1" diameter Type K copper pipe unless otherwise ~~called out on the Plans or~~ directed by the Engineer in the field. Whenever possible, the Contractor shall install water services under pavement using trenchless construction methods (TCM). The Contractor shall submit a detailed plan describing the TCM to be used to the Engineer for approval. The costs associated with exposing existing utilities that may potentially be in conflict with the proposed copper water service to be installed utilizing trenchless methods shall not be paid for separately and shall be considered incidental to the trenchless copper water service installation. Water services and all appurtenances shall be installed meeting the requirements of Part 890 of the Illinois Plumbing Code (77 IL Admin Code 890.1150).

**In the event that a partial copper water service is encountered during excavation, the Contractor shall notify the Engineer, and a partial lead service replacement shall be completed. The partial replacement**

**may be from the street side (main to b-box) or house side (b-box to interior water meter) and may or may not include replacement of the curb stop and b-box.**

**The Contractor shall televise and locate the sanitary service prior to lead water service replacement. If the homeowner or property owner claim to have a damaged sanitary service post water service replacement, the Contractor shall investigate and repair any damaged services resulting from the lead service replacement at their own expense and as directed by the Engineer.**

Installation of water services shall be paid for at the contract unit price per FOOT (FT) for OPEN CUT COPPER WATER SERVICE or for TRENCHLESS COPPER WATER SERVICE for the size specified in the contract, which shall be payment in full for all excavation, trench backfill, dewatering, sheeting, shoring and bracing, supplying and installing the copper pipe and fittings, connection to existing lead lines if required, exposing existing utilities, and flushing the existing system, all in accordance with the Plans, specifications and as directed by the Engineer.

The footage for TRENCHLESS COPPER WATER SERVICE payment shall be to the wall or floor where the new copper service enters the residence. The work necessary to connect the new copper service to the meter within the house by an Illinois Licensed Plumber, core and patch an opening in the wall or floor and clean up the work area not including finished restoration shall be compensated via standard time and material charges. The contractor will only be responsible for patching the floor or wall where the service enters the residence, the homeowner will be responsible for any additional finished restoration disturbed during the installation which shall be kept to a minimum. The contractor will utilize an Illinois Licensed Plumber to provide the labor necessary to install and complete these connections. All internal work shall be performed according to the Illinois Plumbing Code, current edition.

The contractor will be given the contact information the City has obtained from the lead water service sign-off form which the contractor will use to coordinate any work required within the private property. The contractor will be responsible for all contact with the homeowner from that point forward and it is recommended the contractor has a bilingual employee to help with that communication. A before and after picture at the water meter should be taken of each property and provided to the City on completion of the work in order to be paid these allowances. The contractor should display the address and date in each picture.

The Contractor shall remove and replace the curb stop and box if directed by the Engineer. All curb stops shall be Minneapolis pattern with flared connections conforming to ANSI/AWWA C800 and shall be the following brands or approved equal: A.Y. McDonald 6104, Ford B22-444M, or Mueller H-15151. All curb boxes shall be 5'6" bury Minneapolis pattern with minimum 1-1/4" upper section equal to: A.Y. McDonald 5614 or Ford EM-55-56. (Accepted Brands: Mueller, Star Pipe Products, Sigma/Nappco, Bingham & Taylor or approved equal) Removal and replacement of the curb stop and box shall be paid for at the contract unit price per EACH for CURB STOP AND BOX for the size specified in the contract which shall be payment in full for all material, equipment, and labor necessary to perform this work in accordance with the Plans, specifications, and as directed by the Engineer.

The Contractor shall excavate and tap the new water main and install a new corporation stop at locations shown on the Plans or as directed by the Engineer. Corporation stops shall have flared connections conforming to ANSI/AWWA C-800 and shall be the following brands or approved equal: A.Y. McDonald 4701 or Ford F-600. All excavation, shoring, spoil removal and disposal, trench backfill and materials and labor necessary for connecting the water service to the new water main shall be paid for at the contract unit price per EACH for CORPORATION STOP for the size specified in the contract which shall be payment in full for all material, equipment, and labor necessary to perform this work in accordance with the Plans, specifications and as directed by the Engineer.

In locations where the new service is to be connected to PVC water mains, the Contractor shall use an epoxy coated ductile iron service saddle with stainless steel bands. Saddles shall be Ford FC202 for C900/C905 PVC or approved equal. All labor and material necessary for installing saddles shall be paid for at the contract unit price per EACH for SERVICE SADDLE which shall be payment in full for all material, equipment, and labor necessary to perform this work in accordance with the Plans, specifications, and as directed by the Engineer.



## **SP R.1 – SAW CUTTING**

When called for on the Plans or where directed by the Engineer, the Contractor shall saw-cut existing bituminous concrete and/or Portland cement concrete pavement full depth to penetrate the base and sub-base, so as to completely separate the existing pavement to be removed from that to remain. It is the Contractor's responsibility to determine the thickness of the existing pavement and whether or not it contains reinforcement.

The work shall be performed in such a manner that a straight, vertical joint will be obtained. The saw cutting shall be done prior to the commencement of removal operations. Care shall also be taken by the Contractor so as not to damage the remaining pavement or surface directly adjacent to the pavement or surface to be removed. Any damage to the existing pavement or surface resulting from removal operations shall be repaired at the Contractor's expense, as directed by the Engineer.

The saw cutting shall be performed on both sides of the trenches for the proposed underground utilities. This work shall be performed prior to the commencement of the installation of the improvements as specified. It shall be the Contractor's responsibility to lay out the locations for the proposed saw cuts.

This work shall not be paid for separately but shall be considered incidental to the contract unit prices. Saw cutting required for items not listed above or designated elsewhere in the special provisions shall be considered incidental to the contract.

## **SP R.2 – TEMPORARY DRIVEWAY SURFACE, AND TEMPORARY PAVEMENT SURFACE**

Restoration of all improvements on public property is to be done in an expeditious manner. Failure to conform to these requirements will result in the City causing such work to be done. All costs of such work, including administrative costs, will be charged to the Contractor along with a \$500.00 penalty for each occurrence on Driveways, Local Roads and Minor Arterials, and \$500.00 for each hour per occurrence on Major Collectors and Arterials during the peak traffic hours Monday through Friday between 7 AM to 9 AM and 3 PM to 7 PM, during non-peak hours the penalty shall be \$500 per occurrence whereby the City must invoke this provision. The parties agreeing that actual damages to the City of Aurora would be uncertain and difficult to calculate and the amount of such liquidated damages is a reasonable estimate of the supervision costs likely to be incurred by the City of Aurora as a result of the Contractor's failure to temporarily or permanently restore public property as required.

**PRIOR TO THE REMOVAL OF ANY PAVEMENT OR DRIVEWAYS, THE CONTRACTOR SHALL HAVE TEMPORARY PAVEMENT ON SITE, IN ORDER TO ENSURE THAT THE TEMPORARY PAVEMENT IS IN PLACE THE SAME DAY THAT THE EXISTING PAVEMENT IS REMOVED.**

**Where a temporary pavement surface has not been requested by the Engineer, the Contractor is encouraged to cap the surface with HMA grindings. However, HMA grindings will not qualify as a temporary pavement surface and will not be paid for as such.**

### **Driveways**

A cold mix **temporary surface** is required the same day of excavating the drive approach or the curb adjacent to the drive approach. The Contractor shall provide a temporary approach for all driveways across the width of the approach until the final surface is placed. Temporary driveways shall be inspected at the end of all workdays or in a timely manner to ensure the driveway surface remains usable to the satisfaction of the Engineer. Special attention shall be taken for handicapped residents or residents who may need imminent emergency care (expectant mothers, etc.). The Contractor and Engineer will work to identify special-needs residents to assure they always have access to traffic or special vehicles.

### **Local Streets and Minor Collectors**

The Contractor shall place cold mix at street intersections, and/or at other locations as directed by the Engineer the same day of excavating the pavement. Cold Mix shall have a minimum of two inches (2") thickness. The

temporary surface shall be removed prior to placing the permanent pavement the cost of which is included in this temporary pavement surface pay item. The temporary surface shall be maintained so that it will provide a smooth, usable surface with a minimum of distraction to traffic to the satisfaction of the Engineer. The Contractor shall be responsible for coring through the cold patch in order to jet trenches. After the trenches are thoroughly jetted and consolidated, additional cold patch shall be applied. At all locations where cold mix is not installed, the Contractor shall place and maintain a CA-6 crushed limestone surface. Holes shall be backfilled or steel-plated over weekends and holidays. The permanent patch to City specifications must be in place as soon as possible.

Special attention shall be taken for handicapped residents or residents who may need emergency trips to a hospital. The Contractor, as directed by the Engineer, shall work with special-needs residents to assure they have special access to traffic and/or special vehicles at all times.

#### Arterials and Major Collectors

The Contractor shall place Hot Mix Asphalt (HMA) at all excavated locations within active travel lanes and intersections, and at other locations as directed by the Engineer. The HMA depth shall have a minimum of two inches (2") thickness. The temporary surface shall be maintained so that it will provide a smooth, usable surface with a minimum of distraction to traffic to the satisfaction of the Engineer. The Contractor shall be responsible for coring through the temporary pavement in order to jet trenches. After the trenches are thoroughly jetted and consolidated, additional temporary pavement shall be applied. As an alternative, the Contractor may use cold mix asphalt. If cold mix is used, the Contractor shall inspect, repair and/or replace cold mix at all actively travelled locations, and at other locations as directed by the Engineer, on a daily basis when the temporary patch exceeds 1-inch of deviation (above or below) from the adjacent pavement or when excessive tracking of material occurs. Cold mix must be compacted with vibratory or heavy equipment – hand tamping shall not be allowed. Tracking of cold mix onto the travelled lanes shall be cleaned on a daily basis during off-peak traffic hours. The Contractor may use steel-plates, secured in place, to cover open excavations during weekends and holidays with appropriate warning signage. The use of CA-6 crushed limestone as a temporary patch is prohibited. The temporary surface shall be removed prior to placing the permanent pavement the cost of which is included in this temporary pavement surface pay item. HMA in good condition may be allowed to remain in place at the Engineer's discretion. Cold mix shall be removed and replaced with permanent pavement.

Special attention shall be taken for handicapped residents, residents who may need emergency trips to a hospital, and businesses and emergency services needing 24-hour access for public safety. The Contractor, as directed by the Engineer, shall work with special-needs residents, businesses, and services to assure they have special access to traffic and/or special vehicles at all times.

#### Measurement and Payment

The installation and maintenance of the temporary surface shall be paid for at the contract unit price per SQUARE YARD (SY) for TEMPORARY PAVEMENT, 2" which shall be payment in full for all material, equipment, and labor necessary to perform this work in accordance with the Plans, specifications and as directed by the Engineer.

### **SP R.3 – HOT MIX ASPHALT PAVEMENT REMOVAL AND REPLACEMENT**

This work shall consist of saw cutting, removing, and disposing of the existing roadway pavement and replacement with Hot Mix Asphalt pavement and aggregate base course in accordance with the IDOT Specifications, and as shown on the plan details. This work shall be performed after the successful completion of a proof roll.

The cut faces of the existing pavement shall be primed in accordance with the IDOT Specifications.

Damages to existing pavement due to construction traffic and track machinery shall be repaired according to these specifications, to the limits dictated by the Engineer. The repair of damages to existing pavement due to construction traffic and track machinery shall **not** be paid for but shall be fully repaired at the Contractor's

expense.

**Prior to the placement of any permanent pavement, the Contractor shall perform a proof roll in accordance with the latest addition of the IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.**

#### Measurement and Payment

This work shall be paid for at the contract unit price per SQUARE YARD (SY) for CLASS D PATCHING of the thickness specified, which price shall be payment in full for all labor, materials including aggregate base, and equipment necessary to perform this work in accordance with the ~~Plans~~, details, and specifications.

### **SP R.5 – PCC DRIVEWAY PAVEMENT REMOVAL & REPLACEMENT**

This work consists of the removal of existing residential and commercial drive approaches, and replacement with Portland concrete cement driveways and performing necessary earthwork (such as excavation or embankment) according to the proposed grade.

The replaced driveway shall be six inches (6") for residential approaches, and eight inches (8") for commercial approaches of Class PV Portland cement concrete, non-reinforced with a continuous, full depth bituminous fiber expansion joint at the sidewalk and at the back of the curb. The surface shall be cured and protected as per the requirements for sidewalk. The pavement shall be placed on a compacted stone or gravel base to a depth of four inches (4") minimum for residential, and 6" minimum for commercial. **Portland cement concrete driveways shall have contraction joints installed as shown on the plan details.**

The contractor shall be responsible for damage or vandalism to finished concrete surfaces until final acceptance of the project. Damaged or vandalized concrete shall be replaced at the discretion of the Engineer.

This item shall be paid for at the contract unit price per SQUARE YARD (SY) for PCC DRIVE APPROACH REMOVAL & REPLACEMENT, for the thickness specified in the contract, measured in place, which price shall be payment in full for all labor, materials, and equipment necessary to complete this item in accordance with the ~~Plans and~~ specifications.

### **SP R.6 – HOT MIX ASPHALT DRIVEWAY PAVEMENT REMOVAL & REPLACEMENT**

This work consists of the removal of existing residential and commercial drive approaches, and replacement with hot-mix asphalt driveways and performing necessary earthwork (such as excavation or embankment) according to the proposed grade.

The replaced driveway surface course shall be two inches (2") for residential approaches and four inches (4") for commercial approaches. The driveway pavement shall be placed on a compacted stone or gravel base to a depth of four inches (4") minimum for residential, and 6" minimum for commercial.

This item shall be paid for at the contract unit price per SQUARE YARD (SY) for HOT MIX ASPHALT DRIVE APPROACH REMOVAL & REPLACEMENT, for the thickness specified in the contract, measured in place, which price shall be payment in full for all labor, materials, and equipment necessary to complete this item in accordance with the ~~Plans and~~ specifications.

### **SP R.7 – COMBINATION PCC CURB AND GUTTER**

This work shall consist of the removal of existing and the installation of new combination P.C.C. (Portland cement concrete) curb & gutter of the type and size matching that which exists, or as directed by the Engineer, by method and materials specified in Articles 606 and 1020 of the Standard Specification for Road and Bridge Construction.

**Bid Number 24-111**

The new combination PCC curb and gutter shall be installed in locations where the work has caused damage or loss of the existing curb, ~~or as shown on the Plans~~ or as directed by the Engineer.

Removal of PCC curb and gutter shall include full depth saw cuts.

Construction of combination PCC curb and gutter shall include:

1. The excavation for, the supplying and placement of, four inches (4") compacted CA-7 Aggregate base.
- ~~2. The placement of Class SI, PCC per the detail shown on the Plans.~~
- ~~3. The placement of reinforcement per the detail shown on the Plans.~~
4. The drilling and placement of dowel bars with grease caps into the existing adjoining concrete.
5. The placement of contraction joints, expansion joints, and construction joints per the detail and table ~~shown on the Plans.~~
6. The application of curing and sealing compounds for Portland cement concrete per the PCC Sidewalk Removal & Replacement special provision below.
7. The backfilling of curb & gutter with material approved by the Engineer.

The contractor shall be responsible for damage or vandalism to finished concrete surfaces until final acceptance of the project. Damaged or vandalized concrete shall be replaced at the discretion of the Engineer.

This work shall be paid for at the contract unit price per FOOT (FT) for COMBINATION PCC CURB & GUTTER REMOVAL AND REPLACEMENT and shall include all labor, material, and equipment necessary for installation as specified herein. Saw cutting, expansion joints, reinforcement, and dowel bars shall be considered incidental to this item.

#### **SP R.8 – PCC SIDEWALK REMOVAL AND REPLACEMENT, 5" AND DETECTABLE WARNINGS**

This work shall consist of removing the existing sidewalk and placing a PCC (Portland Cement Concrete) Sidewalk in accordance with Section 424 and 440 of the Standard Specifications, the details included and as directed by the Engineer.

The Contractor shall saw cut, remove and dispose of sidewalks marked in the field for removal and prepare the subgrade to provide for the proposed sidewalk and 2" of compacted granular material, CA-6.

At locations where sidewalk shall be lowered to meet ADA accessibility requirements, the Contractor shall excavate subbase and subgrade as required to properly construct the lowered sidewalk. Earth excavation and disposal required to achieve the desired subgrade shall be considered incidental to the cost of the sidewalk.

Sidewalk ramps may require curb installation along the edge of the ramp where adjacent grading is prohibitive. In this application barrier curbs will be poured monolithically on each side of the curb ramp. These Barrier Curbs will be paid for at the contract unit price per FOOT (FT) of BARRIER CURB and shall include all labor, material, earth excavation and disposal, and equipment necessary for installation as specified herein.

Sidewalk shall be completely formed with lumber of 1½" nominal thickness and held securely in place with stakes.

All replacement sidewalks shall be a minimum of 5" thick. Sidewalk through driveways shall be increased to 6" thick for residential and 8" thick for commercial drive approaches. Sidewalk curb ramps shall be increased to 6" thick. The additional thickness will not be paid for separately but shall be considered incidental to Sidewalk Removal and Replacement.

The concrete used shall be Class SI concrete in accordance with Section 424 and 440 of the Standard Specifications and should be cured as specified in the current issue of the Standard Specifications for Road and Bridge Construction. Membrane curing with W. R. Meadows CS 309, or approved equal, will be allowed with a

white fugitive dye as per Type II membrane curing.

All sidewalk shall be sealed with W. R. Meadows "TIAH", or approved equal, immediately after seven (7) days of curing at a rate of 300 sq.ft. per gallon, utilizing a spray application. The surface must be thoroughly clean and dry at time of application.

The surface finish shall be a light broom finish.

The sidewalk shall be constructed with construction joints at five-foot (5') intervals and shall be saw cut to a minimum depth of one-inch (1") full width within twenty-four (24) hours of concrete placement, or tooled at the time of placement to the same depth.

Expansion joints of three-fourths inches (3/4") full depth bituminous fiber material is required where the new sidewalk abuts all curb, buildings, poles, other structures, through all drives on each side, and spaced as ~~specified in the Plans,~~ at the recommended spacing based on the pour temperature, or as directed by the Engineer.

The contractor shall be responsible for damage or vandalism to finished concrete surfaces until final acceptance of the project. Damaged or vandalized concrete shall be replaced at the discretion of the Engineer.

At locations as directed by the Engineer, the Contractor shall excavate sod, topsoil and other material to install subbase granular material and a new sidewalk. Subbase thickness at these locations shall be 4". Earth Excavation required for this work will not be paid for separately but shall be considered incidental to this item.

Sidewalk curb ramps with detectable warning surface shall be constructed according to Standard 424001 and the details included. The Detectable Warning area shall be Red Color, 2' X 4' or 2' X 5' as required.

This work will be paid for at the contract unit price per SQUARE FOOT (SF) for PCC SIDEWALK REMOVAL AND REPLACEMENT, 5" and DETECTABLE WARNINGS, which price shall include all labor and equipment necessary to remove the existing sidewalk, earth excavation and disposal, subbase material, disposal and placing sidewalk and furnishing and installing detectable warnings as specified herein. Root cutting and disposal of roots shall be considered incidental to this item.

#### **SP R.10 – SEEDING - AURORA MIX:**

This work shall consist of re-establishing swales and ditch lines, furnishing and placing 6" of pulverized top soil, fine grading, fertilizer, sowing of "Aurora Mix" grass seed by hand raking, and installing loose straw mulch stabilized with hydraulic mulch at the locations designated by the Engineer in accordance with the applicable portions of Section 250 and 251 of the Standard Specifications for Road and Bridge Construction.

Fertilizer nutrients shall be applied to the prepared areas at a 9:18:9 ratio at a rate of 200 pounds per acre.

#### **Aurora Mix:**

The City of Aurora grass seed mixture consists of:

24.93% ASAP Perennial Ryegrass  
24.46% Caddieshack Perennial Ryegrass  
24.33% Goalkeeper Perennial Ryegrass  
12.37% Geronimo Kentucky Bluegrass  
12.29% Kentucky Bluegrass (variety not stated)  
1.34% Inert Matter, 0.28% Crop, 0.00% weed

This mixture shall be sown in such a manner as to produce a growth of grass similar in quality and appearance to the grass of adjoining areas. Grass seed mix shall be proportioned by weight and planted at a minimum rate of eight (8) pounds per thousand (1,000) square feet. Seeds furnished shall be first grade in quality, high in

germination, and free from weeds. Seed shall not be sown in high wind, foul weather conditions, or when ground conditions are not proper in the opinion of the Engineer.

**Within twenty-four (24) hours from the time seeding has been performed, the seeded area shall be covered with loose straw mulch and immediately stabilized in accordance with Method 2, Procedure 2 of Article 251.03 of the Standard Specifications.**

The Contractor shall notify the Engineer a minimum of 48 hours prior to performing any landscape restoration. The Contractor shall demonstrate to the Engineer seeding and fertilizer applications rates prior to performing this work. Documentation regarding seed mixtures and fertilizer concentrations shall be provided to the Engineer prior to performing this work. In the event that the Contractor fails to adhere to these requirements, the work shall not be eligible for payment.

This work shall not be considered complete until a mowable weed-free stand of grass is obtained.

Measurement and Payment: The work specified herein shall be paid for by the contract unit price per SQUARE YARD (SY) for SEEDING – AURORA MIX, which price shall be payment in full for all labor, materials, and equipment necessary, including pulverized top soil, loose straw mulch covered with hydraulic mulch, and all other appurtenances required to perform this work in accordance with the ~~Plans~~, details, and specifications.

*State of Illinois*  
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION  
FOR  
EMPLOYMENT PRACTICES

In addition to all other labor requirements set forth in this proposal and in the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation, during the performance of this contract, the Contractor for itself, its assignees, and successors in interest (hereinafter referred to as the "Contractor") agrees as follows:

I. SELECTION OF LABOR

The Contractor shall comply with all Illinois statutes pertaining to the selection of labor.

II. EQUAL EMPLOYMENT OPPORTUNITY

During the performance of this contract, the Contractor agrees as follows:

- (1) That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, ancestry, age, marital status, physical or mental handicap or unfavorable discharge from military service, and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such under-utilization.
- (2) That, if it hires additional employees in order to perform this contract or any portion hereof, it will determine the availability of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.
- (3) That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, national origin, ancestry, age, marital status, physical or mental handicap or unfavorable discharge from military service.
- (4) That it will send to each labor organization or representative of other workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Contractor's obligations under the Illinois Human Rights Act and the Department's Rules and Regulations. If any such labor organization or representative fails or refuses to cooperate with the Contractor in its efforts to comply with such Act and Rules and Regulations, the Contractor will promptly so notify the Illinois Department of Human Rights and the City of Aurora and will recruit employees from other sources when necessary to fulfill its obligations thereunder.
- (5) That it will submit reports as required by the Department of Human Rights Rules and Regulations, furnish all relevant information as may from time to time be requested by the Department or the City of Aurora, and in all respects comply with the Illinois Human Rights Act and the Department's Rules and Regulations.

(6) That it will permit access to all relevant books, records, accounts and work sites by personnel of the City of Aurora and the Illinois Department of Human Rights for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and the Department's Rules and Regulations.

(7) That it will include verbatim or by reference the provisions of this clause in every subcontract so that such provisions will be binding upon every such Subcontractor. In the same manner as with other provisions of this contract, the Contractor will be liable for compliance with applicable provisions of this clause by all its Subcontractors; and further it will promptly notify the City of Aurora and the Illinois Department of Human Rights in the event any Subcontractor fails or refuses to comply therewith. In addition, the Contractor will not utilize any Subcontractor declared by the Illinois Human Rights Commission to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.



State of Illinois  
DEPARTMENT OF TRANSPORTATION  
Bureau of Local Roads & Streets  
SPECIAL PROVISION  
FOR  
WAGES OF EMPLOYEES ON PUBLIC WORKS  
Effective: January 1, 1999  
Revised: January 1, 2015

1. **Prevailing Wages.** All wages paid by the Contractor and each subcontractor shall be in compliance with The Prevailing Wage Act (820 ILCS 130), as amended, except where a prevailing wage violates a federal law, order, or ruling, the rate conforming to the federal law, order, or ruling shall govern. The Illinois Department of Labor publishes the prevailing wage rates on its website at [www.state.il.us/agency/idol/rates/rates.htm](http://www.state.il.us/agency/idol/rates/rates.htm). If the Illinois Department of Labor revises the prevailing wage rates, the revised prevailing wage rates on the Illinois Department of Labor's website shall apply to this contract and the Contractor will not be allowed additional compensation on account of said revisions. The Contractor shall review the wage rates applicable to the work of the contract at regular intervals in order to ensure the timely payment of current wage rates. The Contractor agrees that no additional notice is required. The Contractor shall be responsible to notify each subcontractor of the wage rates set forth in this contract and any revisions thereto.
2. **Payroll Records.** The Contractor and each subcontractor shall make and keep, for a period of not less than five years from the date of the last payment on a contract or subcontract, records of all laborers, mechanics, and other workers employed by them on the project; the records shall include each worker's employed by them on the project; the records shall include information required by 820 ILCS 130/5 for each worker. Upon seven business days' notice, the Contractor and each subcontractor shall make available for inspection and copying at a location within this State during reasonable hours, the payroll records to the public body in charge of the project, its officers and agents, the Director of Labor and his deputies and agents, and to federal, State, or local law enforcement agencies and prosecutors.
3. **Submission of Payroll Records.** The Contractor and each subcontractor shall, no later than the 15<sup>th</sup> day of each calendar month, file a certified payroll for the immediately preceding month with the public body in charge of the project, except that the full social security number and home address shall not be included on weekly transmittals. Instead the payrolls shall include an identification number for each employee (e.g., the last four digits of the employee's social security number). The certified payroll shall consist of a complete copy of the payroll records except starting and ending times of work each day may be omitted.

The certified payroll shall be accompanied by a statement signed by the Contractor or subcontractor or an officer, employee, or agent of the contractor or subcontractor which avers that: (i) he or she has examined the certified payroll records required to be submitted by the Act and such records are true and accurate; (ii) the hourly rate paid to each worker is not less than the general prevailing rate of hourly wages required; and (iii) the Contractor or subcontractor is aware that filing a certified payroll that he or she knows to be false is a Class A misdemeanor.
4. **Employees Interviews.** The Contractor and each subcontractor shall permit his/her employees to be interviewed on the job, during working hours, by compliance investigators of the Department or the Department of Labor.

CITY OF AURORA GENERAL SPECIFICATIONS  
SECTION 1 - DEFINITION OF TERMS

1.1 ADVERTISEMENT

The word Advertisement shall mean and refer to the official notice as published in the Aurora Beacon News, a daily newspaper published in the City of Aurora, Illinois, inviting bids for the construction of this improvement.

1.2 A.S.T.M.

Wherever the letters A.S.T.M. are herein used, they shall be understood to mean the American Society of Testing Materials.

1.3 ATTORNEY

Wherever the word Attorney is used in these specifications or in the contract, it shall be understood to mean the Corporation Counsel of the City or designee.

1.4 BIDDER

Wherever the word Bidder is used, it shall be understood to mean the individual, firm, or corporation formally submitting a proposal for the work contemplated, or any portion thereof, acting directly or through an authorized representative.

1.5 BOARD

Wherever the word Board or a pronoun in the place of it occurs in these specifications, it shall be interpreted to mean the Board of Local Improvements of the City of Aurora, Illinois, and any of its authorized representatives provided, however, that such persons shall be understood to represent said Board to the extent of the special duties delegated to such representatives.

1.6 CITY CLERK

Wherever the term City Clerk is used herein, it shall be understood to mean the City Clerk of the City of Aurora, Illinois.

1.7 CITY COUNCIL OR COUNCIL

Wherever the term City Council, or Council, appears in these specifications it shall be taken to mean the City Council of the City of Aurora, Illinois.

1.8 CONTRACT

The term Contract shall be understood to mean the agreement covering the performance of the work covered by these general specifications, including the advertisement for bids, instructions to bidders, bid proposal, ~~performance bond~~, these general specifications, supplemental specifications, special provisions, ~~general and detailed Plans for the work~~, standard specifications referred to in the special provisions, all supplemental agreements entered into and all general provisions pertaining to the work or materials thereof, all of which are collectively referred to as the "Contract Documents".

1.9 CONTRACTOR

Wherever the word Contractor occurs in these specifications, it shall be interpreted to mean the person or persons, firm, or corporation who submits a proposal and thereafter enters into the contract governed by these specifications as party or parties of the second part, and the agents, employees, workmen, heirs, executors,

administrators, successors, or assignees thereof.

#### 1.10 ENGINEER

Wherever the word Engineer is used in these specifications, it shall be interpreted to mean the City Engineer or his designee charged with directing and having charge of a portion of the project limited by the particular duties entrusted to him.

#### 1.11 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

The MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, latest edition, as adopted by the United States Department of Transportation Federal Highway Administration.

#### 1.12 PAYMENT BOND

The term Payment Bond shall be understood to mean the bond executed by the Contractor and his surety guaranteeing the payment of all sums of money due for any labor, materials, apparatus, fixtures, or machinery furnished to such principal for the purpose of performing the contract work.

#### ~~1.13 PERFORMANCE BOND~~

~~The term Performance Bond shall be understood to mean the bond, executed by the Contractor and his surety, guaranteeing complete execution of the contract.~~

#### 1.14 PLANS

Wherever the word Plans is used in these specifications, it shall be understood to mean all drawings, sketches, and detailed Plans or reproductions thereof pertaining to the construction involved.

#### 1.15 PROPOSAL

Wherever the word Proposal is used, it shall be taken to mean the written proposal of the bidder on the form furnished for the work contemplated.

#### 1.16 PROPOSAL GUARANTY

The term Proposal Guaranty shall be understood to mean the security designated in the Advertisement for Bids or Notice to Contractors to be furnished by the bidder as a guaranty of good faith to enter into a contract for the work contemplated

#### 1.17 SPECIFICATIONS

Wherever the word Specifications is used it shall be understood to include all directions and requirements contained herein or referred to hereby, together with all special provisions and written agreements made or to be made pertaining to the work involved. All articles referred to in these general specifications when not qualified otherwise than by numbers, shall be understood to be articles from these general specifications.

#### 1.18 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION

The STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, latest edition, prepared by the Illinois Department of Transportation and adopted by said Department.

#### 1.19 STANDARD SPECIFICATIONS FOR SEWER AND WATER MAIN CONSTRUCTION

The STANDARD SPECIFICATIONS FOR SEWER AND WATER MAIN CONSTRUCTION, latest edition, as adopted by the Illinois Society of Professional Engineers.

#### 1.20 STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS

The STANDARD TRAFFIC SIGNAL SPECIFICATIONS, latest edition, as adopted by the Illinois Department of Transportation.

#### 1.21 STATE

Wherever the word State is used herein, it shall mean the State of Illinois.

#### 1.22 SURETY

The word Surety shall be understood to mean the individuals who are, or the corporate body which is bound with and for the Contractor for the acceptable performance of the contract, and for his payment of all debts pertaining to the work.

#### 1.23 WORK

Wherever the word "Work" is used, it shall mean the work including all materials, labor, tools, appliances, equipment, and appurtenance necessary and incidental thereto to perform and complete everything specified or implied in the Plans, specifications, and in the contract documents, in full compliance with all the terms and conditions thereof and in a good and workmanlike manner.

## SECTION 2 AWARD AND EXECUTION OF CONTRACT

### ~~2.1 PUBLIC OPENING OF PROPOSALS~~

~~Proposals will be opened and read publicly at the time and place specified in the advertisement, or as soon thereafter as the business of the City Clerk permits. Bidders, their authorized agents, and other interested parties are invited to be present.~~

### 2.2 AWARD OF CONTRACT

The decision of the award of the contract will be made as may be decided upon by the Council after bids have been opened and tabulated. The Contract shall be governed by the laws of the State of Illinois. No contract shall provide for arbitration of the parties.

### 2.3 BONDS AND INSURANCE

The bidder to whom the award of contract is made will be required under this contract to furnish a ~~Performance Bond acceptable to the Engineer in the amount of one hundred percent (100%) of the full contract price,~~ a Payment Bond, Public Liability Insurance, and Workers Compensation Insurance; all of which shall be acceptable to the City of Aurora.

### 2.4 SUBLETTING OR ASSIGNMENT OF CONTRACT

The Contractor shall not sublet, sell, or assign all, or any portion of the contract, or of the work provided for therein, without the written consent and authorization of the City, and in no case shall such consent relieve said Contractor from either, any, or all of the obligations herein entered into, or change the terms of the obligations hereof.

### 2.5 FAILURE TO EXECUTE CONTRACT

In the event that said bidder fails or refuses to execute said contract and furnish said bonds within the period of fifteen (15) days after mailing notice of such award or within such additional number of days as the City may determine, then the sum deposited as a proposal guaranty by said bidder on the work so awarded may be retained by the City as liquidated damages and not a forfeiture. It is hereby agreed that said sum is a fair estimate of the amount of damages that the City will sustain in case said bidder fails to enter into the contract and furnish bonds as herein provided, said actual damages being uncertain in amount and difficult to determine in the event of such failure or refusal by the bidder.

### 2.6 VENUE FOR LEGAL ACTION

The venue for any legal action that may arise from this agreement shall be in Kane County, Illinois.

### 2.7 WAIVER OF TRIAL BY JURY

The Contractor agrees to waive trial by jury for itself and all of its contracts with sub-Contractors shall contain a provision waiving trial by jury in the event of any legal action which may arise from this agreement with the City of Aurora as a party litigant.

## SECTION 3 SCOPE OF THE WORK

### 3.1 INTENT OF PLANS AND SPECIFICATIONS

The true intent of the Plans and these specifications is to provide for the erection and completion in every detail of the work described herein, and it is understood that the Contractor will furnish all labor, materials, equipment, tools, transportation, and necessary supplies, such as may reasonably be required to execute the contract in a satisfactory and workmanlike manner and in accordance with the Plans, specifications, and terms of the contract. Both parties must stipulate any deviation from these requirements in writing.

### 3.2 SPECIAL WORK

Should any construction conditions which are not covered by the Plans and these specifications be anticipated or encountered during construction, Supplemental Specifications for such work will be prepared by the Engineer and shall be considered a part of these specifications, the same as though contained fully herein.

### 3.3 INCREASED OR DECREASED QUANTITIES

The right is reserved, without impairing the contract, to make such increase or decrease in the quantities of the work as may be considered necessary to complete fully and satisfactorily the work included in the contract. The compensation to the Contractor for such changes shall be adjusted as provided herein.

### 3.4 ALTERATIONS IN PLANS AND SPECIFICATIONS

The City reserves the right to make such changes in the Plans and in the character of the work as may be necessary or desirable to ensure completion in the most satisfactory manner, provided such changes do not materially alter the original Plans and specifications. Such changes shall not be considered as waiving or invalidating any conditions or provisions of the contract.

### 3.5 EXTRA WORK

The City reserves the right, without impairing the contract, to order the performance of such work, of a class not contemplated in the proposal as may be considered necessary to complete fully and satisfactorily the work included in the contract. The Contractor shall do such extra work when ordered and authorized in writing by the Engineer, and the Contractor shall be compensated for such extra work on the basis and in the amount as provided herein.

### 3.6 EASEMENTS, PERMITS, AND REGULATIONS

The Contractor shall keep himself fully informed of all Federal, State, Municipal and local regulations, private contracts, grants, easements, and permits, in any manner affecting the work herein specified and provided for. He shall at all times observe and comply with and cause all his Subcontractors, agents, and employees to observe and comply with each and all of the same. The Contractor does hereby assume any and all liability under the same and shall protect and indemnify the City and its officers and employees against any and all claims or liabilities arising from or based on the violation of, or failure to comply with either or all of the same.

### 3.7 FINAL CLEANING UP

Upon completion and before final acceptance of the work, the Contractor shall, in addition to the detailed work of grading, restoring ground surfaces, repairing roadways and pavements, and all other work specifically provided for in these specifications, remove all falsework, excess or useless excavated materials, rejected materials, rubbish, temporary buildings, temporary foundations, replace or renew any fences damaged, and restore in an acceptable manner all property, both public and private, which may have been damaged during the prosecution of the work, and shall leave the site of the work in a neat and presentable condition satisfactory to the Engineer.

## SECTION 4 CONTROL OF THE WORK

### 4.1 AUTHORITY OF THE ENGINEER

The Engineer shall decide any and all questions which may arise as to the quality and acceptability of materials furnished and work performed, and as to the manner of performance and rate of progress of the work, and shall decide all questions which may arise as to the interpretation of the Plans and specifications, and all questions as to the acceptable fulfillment of the terms of the contract.

### 4.2 PLANS AND WORKING DRAWINGS

General drawings, showing such details as are necessary to give a comprehensive idea of the construction contemplated, will be shown in the general Plans, but the Contractor shall submit to the Engineer for approval such additional detailed shop drawings or working drawings, together with a detailed structural analysis of all component parts, as may be required for the construction of any part of the work and prior to the approval of such Plans, any work done or material ordered shall be at the Contractor's risk.

The contract price shall include the cost of furnishing all working drawings and the Contractor will be allowed no extra compensation for such drawings.

### 4.3 DEVIATIONS FROM THE PLANS

No deviation from the general Plans or the approved working drawings will be permitted without the written order of the Engineer. No allowance shall be made for work done other than is shown on the Plans, profiles and drawings, and provided for in the specifications.

### 4.4 COORDINATION OF SPECIFICATIONS AND PLANS

In the event of any discrepancy between the Plans and figures written thereon, the figures are to be considered as correct. In the case of any discrepancy between the Plans and the specifications, the Engineer shall determine which are to govern. If there is a discrepancy between the general specifications and the supplemental specifications, the supplemental specifications are to govern.

The Contractor shall take no advantage of any apparent error or omission in the Plans or specifications, but the Engineer shall be permitted to make such corrections and interpretations as may be deemed necessary for the fulfillment of the intent of the Plans and specifications.

### 4.5 ORDER OF WORK

The order of sequence of the execution and/or conduct of the work shall be subject to the approval and/or direction of the Engineer, which approval and/or direction shall not in any way relieve the Contractor of any responsibility in connection with the prosecution to completion of the work under contract.

### 4.6 COOPERATION BY CONTRACTOR

The Contractor shall conduct his operation so as to interfere as little as possible with those of other Contractors, Subcontractors, the public, or adjoining property owners on or near the work site. The Contractor shall at all times during his absence from the work site have a competent superintendent or foreman capable of reading and thoroughly understanding the Plans and specifications, as his agent on the work, who shall receive instructions from the Engineer or his authorized representative. The superintendent or foreman shall have full authority to execute the order and/or directions of the Engineer without delay and to promptly supply such materials, tools, plant equipment, and labor as may be required. The superintendent or foreman shall have a copy of the Plans and specifications on the job at all time.

#### **4.7 CONSTRUCTION STAKES**

Reference lines and grade points for the location, alignment, and elevation of each structure will be determined and established by the Engineer, but the Contractor shall assume full responsibility for the alignment, elevations, and dimensions of each and all parts of the work with reference to the lines, points, and grades as established by the Engineer. For all structures, the Engineer shall furnish the Contractor with centerline and/or center points and such benchmarks or other points as are necessary to lay out the work correctly. The Contractor shall check all lines, points, and grades which may be given by the Engineer supplementary to the centerline, points, and control bench marks aforesaid, and shall be responsible for the accuracy of all measurements for grades and alignment of the work with reference to the centerline and/or points and bench marks established by the Engineer.

The Contractor shall exercise proper care in the preservation of alignment, grade, and reference stakes set for his use, or that of the Engineer. If such stakes are injured, lost, or removed by the Contractor's operations, they shall be reset at his expense.

#### **4.8 INSPECTION**

The Engineer or his representative shall be allowed access to all parts of the work at all times and shall be furnished such information and assistance by the Contractor as may be required to make a complete and detailed inspection thereof. Such inspection may include mill, plant, or shop inspection and any material furnished under these specifications is subject to such inspection.



## SECTION 5 CONTROL OF MATERIALS

### 5.1 SPECIFICATIONS FOR MATERIALS

All materials used in this work shall conform in all respects to the specifications therefore as herein set forth. Where a specification for material to be used in this work is not specifically set forth in these specifications, such material shall conform in all respects to the specifications as set forth in the A.S.T.M. Standards and/or Tentative Standards adopted and in effect on the date of receiving bids.

### 5.2 SUBSTITUTION OF MATERIALS AND EQUIPMENT

Wherever in these specifications or on the Plans for this work, materials or equipment are specified by trade names or catalog numbers of certain manufacturers, it is done for the purpose of establishing a standard of quality, durability, and/or efficiency, and not for any purpose of limiting competition. Wherever such definite reference is made in these specifications to any such material or equipment, it is understood that any equivalent material or equipment may be provided, however, that the written approval and acceptance of the Engineer of such equivalent material or equipment must be obtained prior to its purchase and/or incorporation in any part of the work.

### 5.3 THE METHODS OF TESTING

All tests of materials or equipment used in the work shall be made in accordance with the methods described in these specifications or the method of test prescribed in any specification for material or equipment herein specifically referred to and designated to govern the quality of any material or equipment.

Where a method of test for any material or equipment is not specifically provided for, such material or equipment shall be tested in accordance with the methods prescribed and set forth in the A.S.T.M. Standards and Tentative Standards adopted and in effect on the date of receiving bids.

### 5.4 DEFECTIVE MATERIALS

All materials not conforming to the requirements of these specifications shall be considered as defective and all such materials, whether in place or not, shall be rejected and shall be removed immediately from the work by the Contractor at his expense unless otherwise permitted by the Engineer. No rejected materials, the defects of which have been subsequently corrected, shall be used until approval has been given. Upon failure on the part of the Contractor to immediately comply with any order of the Engineer relative to the provisions of this section, the Engineer shall have the authority to remove and replace such defective material and to deduct the cost of removal and replacement from any moneys due or which may become due to the Contractor.

## SECTION 6 LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC

### 6.1 COMPLIANCE WITH LAWS AND REGULATIONS

The Contractor shall at all times observe and comply with all Federal, State, Municipal and other local laws, ordinances, regulations, and requirements which in any manner affect the conduct of the work, and with all Federal, State and local laws and policies of non-discrimination, sexual harassment, prevailing wages and others applicable hereto; and all such orders or decrees as exist at the present and which may be enacted later, of bodies or tribunals having jurisdiction or authority over the work, and no plea of misunderstanding or ignorance thereof will be considered. He shall indemnify and save harmless the City and all its officers, agents, employees, and servants against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, requirement, order or decree, whether by himself or his employees.

### 6.2 PERMITS AND LICENSES

The Contractor shall take out and procure at his own expense all permits and licenses required by Federal, State or local public authorities, and he shall, without extra compensation from the City, pay all fees and charges and give notices required incident to the due and lawful prosecution of the work in relation thereto.

### 6.3 PATENTED DEVICES, MATERIALS, AND PROCESSES

It is mutually understood and agreed that without exception contract prices are to include all royalties and costs arising in the work. It is the intent that whenever the Contractor is required or desires to use any design, device, material, or process covered by letters of patent or copyright, the right of such use shall be provided for by suitable legal agreement with the patent owner. The Contractor and Surety in all cases shall indemnify and save harmless the City from any and all claims for infringement by reason of the use of any such patent design, device, materials, or process, to be performed or used under the contract, and shall indemnify and save harmless the said City for any costs, expenses, attorney's fees, and damages which it may be obligated to pay, by reason of any such infringement at any time during the prosecution or after the completion of the work.

### 6.4 BARRICADES, LIGHTS, AND SIGNS

The Contractor shall at his own expense and without further or other order provide, erect, and maintain at all times during the progress or suspension of the work, suitable barricades, fences, signs, or other adequate protection, and shall provide, keep, and maintain such lights, danger signals, and watchmen as may be necessary or as may be ordered by the Engineer to ensure the safety of the public, as well as those engaged in connection with the work. All barricades and obstructions shall be protected at night by signal lights, which shall be suitably placed and which shall be kept burning from sunset to sunrise. Barricades shall be of substantial construction, and shall be painted in such a way as to increase their visibility at night.

The Contractor shall be held responsible for all damage to the work due to failure of barricades, signs, lights, and watchmen to protect it, and whenever evidence of such damage is found prior to acceptance, the Engineer may order such damaged portion immediately removed and replaced by the Contractor without cost to the City if, in his opinion, such action is justified. The Contractor's responsibility for the maintenance of barricades, signs, and lights shall not cease until the project shall have been accepted.

### 6.5 USE OF EXPLOSIVES

The use of explosives shall be prohibited.

### 6.6 PROTECTION AND RESTORATION OF PROPERTY

It is understood that in the execution of the work herein provided for there may be interference with and/or damage to trees, shrubbery, crops, fences, railroad tracks, overhead structures such as poles, wires, cables, underground structures such as sewers, gas mains, telephone conduits and cables, water mains, drains, service

connections, wires, pipes, conduits, located along, adjacent to, and/or crossing the locations of the work, and that it may be necessary to relocate or reconstruct certain of such structures, improvements, and installations and/or to make repairs to the same by reasons of doing the work herein provided for, and it is therefore particularly and specifically agreed that the Contractor, except as otherwise herein provided, shall do the work necessary for such relocation, reconstruction, and repair and shall bear and pay all of the cost and expense of such relocation, reconstruction, and/or repair of, and all damage done to any and all such pipe line and other structures, improvements, and installations, including service connections, if any, to adjacent property, existing at the date of the execution of the contract and/or existing, during the period of the work to be done under the contract, which may be interfered with, damaged, and/or necessarily relocated, reconstructed, or repaired in the performance of the work herein provided for, including the restoration and resurfacing of unpaved portions of public streets and alleys, rights-of-way, easements, and private property damaged or disturbed by the work, the same to be restored to as good condition as the same existed at the time of the commencement of any such work or relocation.

It is further agreed that the owners of any structures, improvements, installations, referred to in the preceding paragraph shall have the right to do the work or any part thereof necessary for the relocation, reconstruction, replacement, repair, and other work required by reason of any interference with and/or damage to such structures, improvements, installations, due to the prosecution of the work and upon completion of such work by them done, said owners may render bills to the Contractor for the cost and expense thereof, which bills shall be paid by the Contractor, without extra compensation therefore from the City, upon demand by said owners, or upon demand made by the City upon the Contractor for the payment thereof.

#### 6.7 RESPONSIBILITY FOR DAMAGE CLAIMS

The Contractor agrees to indemnify and save harmless the City of Aurora, their agents, and employees from and against all loss and expenses (including costs and attorneys' fees) by reason of liability imposed by law or claims made upon the City of Aurora for damages because of bodily injury, including death at any time resulting therefrom sustained by any person or persons or on account of damage to property, including loss of use thereof, arising out of or in consequence of the performance of this work, whether such claims or injuries to persons or damage to property be due to the negligence of the Contractor, his Subcontractors or the City of Aurora.

The Contractor shall assume total risk and shall be responsible for any and all damages or losses caused by or in any way resulting from the work and provide all insurance necessary to protect and save harmless the City of Aurora and its employees. Said insurance shall include contractual liability equal to the limits hereinafter set forth.

The Contractor agrees to purchase a policy of insurance, which shall include the City of Aurora as an additional insured or provide separate coverage for the City with an owner's protective policy. All Insurance provided by Contractor, extending to owner as additional insurance, shall be primary and insurance maintained by owner shall be excess and not contributing with Contractor's insurance. The minimum amounts of insurance shall be as follows, except that no restrictions on occurrence limits will be permitted:

##### Bodily Injury Liability

##### Property Damage Liability

Each Occurrence  
\$3,500,000

Each Occurrence  
\$500,000

Aggregate  
\$7,000,000

The coverage and amounts above are minimum requirements and do not establish limits to the Contractor's liability. Other coverage and higher limits may be provided at the Contractor's option and expense.

Owner does not waive its subrogation rights against Contractor and/or any Subcontractor for damages due to losses to owner due to the fault or negligence of the Contractor and/or any Subcontractors during or as a result of the performance of the work.

All such insurance must include an endorsement whereby the insurer agrees to notify the City of Aurora at least

thirty (30) days prior to non-renewal, reduction or cancellation. The Contractor shall cease operations on the project if the insurance is canceled or reduced below the required amount of coverage. All costs for insurance as specified herein will not be paid for separately, but shall be considered as incidental to the contract.

#### 6.8 WORKERS COMPENSATION ACT

The Contractor further agrees to insure his employees and their beneficiaries and to provide the employees and the beneficiaries of any Subcontractor employed from time to time by him on said work, the necessary first-aid, medical, surgical, and hospital services and any compensation provided for in the Workers Compensation Act of the State of Illinois that is or may be in force in the State.

Such insurance shall be placed by said Contractor in a company or association (to be approved by the City and to be accepted by the Council thereof) authorized under the laws of the State of Illinois to insure the liability above specified.

Said Contractor hereby further agrees to indemnify, keep and save harmless said City from all action, proceedings, claims, judgments, awards, and costs, losses, damages, expenses, and attorney's fees which may in any way be brought against said City by reason of any accidental injuries or death suffered by any of his employees or the employees of any Subcontractor employed by him in and about the performance of the work provided for in the contract, and any and all liability resulting thereupon; and said Contractor, in case of any suit, action, or proceeding on account of any or all of the foregoing shall defend the same for and on behalf of said City and indemnify the City therefore and pay the amount of any and all awards and final judgments and/orders rendered and entered therein, together with all loss, costs, damages, attorney's fees, and expenses incurred therein. Said Contractor shall be the sole employer of its employees and workers, and in no way so shall the City be considered a joint employer of same under any circumstance.

#### 6.9 LOCAL BIDDER PREFERENCE

O18-070, amended by O20-029 approved April 28, 2020 defines "Local business" to mean a vendor or contractor who has a valid, verifiable physical business address located within the corporate boundaries of the City of Aurora at least twelve months prior to a bid or proposal opening date, from which the vendor, contractor or consultant operates or performs business on a daily basis, including manufacturing production or distribution. The business must disclose the percentage of workforce in the City of Aurora; be registered with the City of Aurora, if applicable; be subject to City of Aurora taxes (inclusive of sales taxes); be current with property tax payments and sales tax payments; not have any outside cited code violations; not have any outstanding debts to the City of Aurora; have adequately qualified and trained staff to service the bid of interest.

## SECTION 7 PROSECUTION AND PROGRESS OF WORK

### 7.1 SUBLETTING OR ASSIGNMENT OF WORK

If the Contractor sublets the whole or any part of the work to be done under the contract, with or without the written consent of the City, he shall not, under any circumstances, be relieved of his liabilities and obligations. All transactions of the Engineer shall be with the Contractor; Subcontractors shall be recognized only in the capacity of employees or workmen and shall be subject to the same requirements as to character and competence. In case any party or parties, to whom any work under the contract shall have been sublet, shall disregard the directions of the Engineer or his duly authorized representatives, or shall furnish any unsatisfactory work or shall fail or refuse in any way to conform to any of the provisions or conditions of the contract, then in that case, upon the written order of the Engineer, the Contractor shall require said party or parties in default to discontinue work under the contract. Said work shall be corrected or made good and shall be continued and completed by the said Contractor or by such other party or parties as are approved by the Engineer, in the manner and subject to all of the requirements specified in the contract.

### 7.2 PROSECUTION OF WORK

The Contractor shall begin the work to be performed under the contract no later than ten (10) days after the execution and acceptance of the contract, unless otherwise provided. The work shall be conducted in such a manner and with sufficient materials, equipment and labor as is considered necessary to ensure its completion within the time specified in the contract. The Contractor shall solely be fully responsible for complying with state and local prevailing wage requirements in accordance with its Bidders Certification, and for all wage rate and hour regulations and applications

### 7.3 GUARANTEE AND MAINTENANCE OF WORK

The Contractor shall guarantee the work to be free from defects of any nature for a period of one year from and after the final acceptance and payment for the work by the City, and the Contractor shall maintain said work and shall make all needed repairs and/or replacements during this one year period which in the judgment of the Council, may be necessary to ensure the delivery of the work to the City in first-class condition and in full conformity with the Plans and specifications therefore, at the expiration of the guarantee period.

### 7.4 PAYMENT

#### Basis of Payment

Payment of the CONTRACTOR for performance of the CONTRACT shall be made by the OWNER and shall be based on the value of the installation resulting from the CONTRACTOR's operations.

The cost of all WORK incidental to the completion of the project in accordance with the Plans and Specifications, excepting authorized extra WORK, shall be included in the unit and lump sum prices stated in the CONTRACTOR's accepted Proposal. The amount obtained by the summation of the products of the quantities of WORK performed or the respective unit or lump sum prices for several items listed in the proposal shall be payment in full, except for payment for authorized extra WORK, for delivering the completed project to the OWNER in accordance with the Plans and Specifications.

#### Submission of Bid Breakdown

Within 10 days after the execution of this CONTRACT, the CONTRACTOR must submit to the ENGINEER in duplicate an acceptable breakdown of the lump sums and unit prices bid for items of the CONTRACT, showing the various operations to be performed under the CONTRACT, and the value of each of such operations, the total of such items to equal the total price bid. The CONTRACTOR shall also submit such other information relating to the bid prices as may be required and shall revise the bid breakdown as directed.

Thereafter, the breakdown may be used for checking the CONTRACTOR's applications for partial payments hereunder but shall not be binding upon the OWNER or the ENGINEER for any purpose whatsoever.

### Partial Payments

When not otherwise provided for under the Specifications for an item of WORK or a complete project, and if the rate of progress is satisfactory to the ENGINEER, partial payments will be made the CONTRACTOR by the OWNER during progress of construction. The amount of each partial payment shall be limited to ninety (90) percent (unless otherwise provided in the Instructions to Bidders) of the value of the WORK shown in the Engineer's periodic estimate to have been done and installed in place by the CONTRACTOR subsequent to the time of commencing WORK or of making the last preceding partial payment on account of WORK done. An amount greater than ninety (90) percent of the value of a largely completed project may be paid the CONTRACTOR at the option of the OWNER.

The CONTRACTOR's request for payment shall be in the form of an invoice, submitted to the OWNER through the ENGINEER, setting forth amounts due for WORK completed on payment items set forth in the CONTRACTOR's Proposal, and shall be accompanied by:

- (1) CONTRACTOR's Sworn Statement setting forth the Subcontractors and material suppliers, the amount requested for each of the Subcontractors or material suppliers, and the amount of the subcontract or material to be completed.
- (2) Subcontractor or material suppliers waivers of lien for amounts requested on previous payment requests.
- (3) CONTRACTOR's waivers of lien.

The CONTRACTOR's request will be reviewed by the ENGINEER and if the ENGINEER is in agreement with the value of WORK completed, as requested by the CONTRACTOR, and if the request is accompanied by the CONTRACTOR's Sworn Statement, Subcontractor and material suppliers waiver of lien as stated above, and by the CONTRACTOR's waiver of lien, the ENGINEER will recommend payment to the OWNER.

Partial payment made to the CONTRACTOR by the OWNER for WORK performed shall in no way constitute an acknowledgement of the acceptance of the WORK nor in any way prejudice or affect the obligation of the CONTRACTOR, at his expense, to repair, correct, renew or replace any defects or imperfections in the construction of the WORK under CONTRACT and its appurtenances, nor any damage due or attributable to such defect, damage and the CONTRACTOR shall be liable to the OWNER for failure to correct the same as provided herein.

Payment in full or in part may be withheld for reasons which include but are not limited to: (1) the existence of defective work which is not remedied; (2) the existence of third party claims filed or reasonable evidence indicating probable filing of such claims; (3) the failure of the CONTRACTOR to make payments properly to Subcontractors or for labor, materials or equipment; (4) the existence of reasonable evidence that the WORK cannot be completed for the unpaid balance of the contract sum; (5) damage to the OWNER; (6) the existence of reasonable evidence that the WORK will not be completed within the CONTRACT time, and that the unpaid balance will not be adequate to cover actual or liquidated damages for the anticipated delay; or, (7) persistent failure to carry out the work in accordance with the contract documents. If within a reasonable time not to exceed 45 days CONTRACTOR has not remedied any condition for which payment in full has been withheld, then OWNER may make such payments as OWNER deems necessary to remedy such situation from said funds withheld and pay the balance to CONTRACTOR, or if, sums are still due to remedy the situation, CONTRACTOR will remit any balances due to OWNER within 10 days of notice of same.

## ACCEPTANCE AND FINAL PAYMENT

Whenever the CONTRACT shall have been completely performed on the part of the CONTRACTOR, and all parts of the WORK have been approved by the ENGINEER and accepted by the OWNER, including the resolution of all matters of dispute, a final estimate showing the value of the WORK will be prepared by the ENGINEER as soon as the necessary measurements and computations can be made, all prior estimates upon which payments have been made being approximate only and subject to corrections in the final payments.

The CONTRACTOR shall submit a final payment request showing the total quantities completed for the entire project and all previous payouts. This payment request shall be accompanied by a sworn affidavit listing all Subcontractors and material suppliers and the total payments to each. Final Waivers of Lien from the Subcontractors and material suppliers as well as the CONTRACTOR shall also be furnished at this time.

A final payment including all amounts of money shown by the final estimate to be due the CONTRACTOR shall be made by the OWNER as soon as practicable after the final acceptance of the WORK, provided the CONTRACTOR has furnished the OWNER satisfactory evidence that all sums of money due for labor, materials, apparatus, fixtures or machinery furnished for the purpose of performing the Contract have been paid or that the person or persons to whom the same may respectively be due have consented to such final payment.

## BID PROPOSAL FORM

TO: THE HONORABLE MAYOR AND CITY COUNCIL  
CITY OF AURORA  
44 EAST DOWNER PLACE  
AURORA, ILLINOIS 60507

1. Proposal of Miller Pipeline, LLC  
for the improvement known as the **2025 On-Call Lead Water Service Line Replacement Contract, Bid 24-111**.
2. The Plans and specifications for the proposed improvements are those prepared by the City of Aurora Engineering Division and approved by the City Council of Aurora, Illinois.
3. In submitting this proposal, the undersigned declares that the only persons or parties interested in the proposal as principals are those named herein, and that the proposal is made without collusion with any person, firm, or corporation.
4. The undersigned further declares that he has carefully examined the proposals, Plans, specifications, form of contract and contract bond, and special provisions, if any, and that he has inspected in detail the site of the proposed work and that he has familiarized himself with all of the local conditions affecting the contract and detailed requirements of construction, and understands that in making this proposal he waives all right to plead any misunderstanding regarding the same.
5. The undersigned further understands and agrees that if the proposal is accepted, he is to furnish and provide all necessary machinery, tools, apparatus and other means of construction and to do all of the work and to furnish all of the materials and labor required.
6. The undersigned declares that he understands that the quantities mentioned are approximate only, and that they are subject to increase or decrease; that he will take in full payment therefore the amount of the summation of the actual quantities, as finally determined, and multiplied by the unit prices shown in the schedule of prices contained herein.
7. The undersigned agrees that the unit prices submitted herewith are for the purpose of obtaining a gross sum and for use in computing the value of extras and deductions; that if there is a discrepancy between the gross sum bid and that resulting from the summation of the quantities multiplied by their respective unit prices, the latter shall apply.
8. The undersigned agrees that if the City decides to extend or shorten the improvement, or otherwise alter it by extras or deductions, including the elimination of any one or more of the items, as provided in the specifications, he will perform the work as altered, increased or decreased, at the contract unit prices without claim for profits lost as a result of any work or items eliminated by the City of Aurora.
9. The undersigned agrees that the Engineer may, at any time during the progress of the work covered by this contract, order other work or materials incidental thereto, and that all such work and materials as do not appear in the proposal or contract as a specific item accompanied by a unit price, and which are not included under the bid price for other items in this contract, shall be performed as extra work, and that he will accept as full compensation therefore the actual cost plus ten percent (10%), the actual cost to be determined as provided for in the specifications.
10. The undersigned further agrees to execute a contract, ~~a contract bond satisfactory to and in the form prescribed by the City in the penal sum of the full amount of the contract~~, guaranteeing the faithful

**Bid Number 24-111**



performance of the work in accordance with the terms of the contract within **fifteen (15)** days after receiving the notice of award of the contract.

11. The undersigned further agrees to begin work not later than **ten (10)** calendar days after the execution or by the date stated within the contract documents and approval of the contract and contract bond, unless otherwise provided, and to prosecute the work in such a manner and with sufficient materials, equipment, and labor as will ensure its completion within the time limit specified herein, it being understood and agreed that the completion within the time limit is an essential part of the contract.
12. The undersigned agrees to complete the work within the time stipulated in the Special Provisions.
13. All work shall be completed to the satisfaction of the Engineer by the above dates unless the Engineer in accordance with the specifications grants additional time. In case of failure to complete the work within the time named herein, or within such extra time as may have been allowed by extensions, the undersigned agrees that the City shall withhold from such sums as may be due him under the terms of the contract the liquidated damages as set forth in the Standard Specifications, which costs shall be considered and treated not as a penalty, but as damages due the Municipality from the undersigned by reason of inconvenience to the public, added cost of engineering and supervision, and other items which have caused an expenditure of public funds resulting from the failure of the undersigned to complete the work within the time specified in the contract.
14. If this proposal is accepted and the undersigned shall fail to execute a contract and contract bond as required herein, it is hereby agreed that the amount of the check or draft or bidder's bond substituted in lieu thereof shall become the property of the City and shall be considered not as a penalty but as payment of liquidated damages due to delay and other causes suffered by the City because of the failure to execute said contract and contract bond, otherwise said check or draft or bidder's bond substituted in lieu thereof shall be returned to the undersigned.
- ~~15. Accompanying this proposal is either a **5% Bid Bond** or a proposal guaranty check, complying with the specifications, made payable to the City Treasurer of the City of Aurora. The amount of the check is \$~~  
~~\_\_\_\_\_~~
16. The undersigned submits herewith his schedule of prices covering the work to be performed under this contract, he understands that he must show in the schedule the unit prices for which he proposes to perform each item of work, that the extensions must be made by him, and that if not so done, his proposal may be rejected as irregular or non-responsive.
17. The undersigned agrees to conform to Section 100 of the Standard Specifications and to Article 107.27 of that section indemnifying and saving harmless the City of Aurora and its officers, agents, and employees. The Contractor shall provide insurance with limits as stated in the Article 6.7 of the *City of Aurora - General Specifications*.
18. The City of Aurora reserves the right to reject any or all of the bids and to waive any and all irregularities and technicalities. The City of Aurora shall either award the project or reject the bids within Sixty (60) calendar days after the bid opening. This time frame may be extended upon mutual agreement of the City and the Bidder.
19. The undersigned of this proposal agrees that he or she has examined all sections of this Proposal, Specifications, and Bidding Documents and hereby understands and accepts the provisions for access, or the lack of access, to the construction site and shall claim no compensation other than the prices as bid for this condition of accessibility.
20. The undersigned further agrees that the unit prices submitted herewith are for the complete item constructed, including all labor, equipment, material and other necessary incidental work.

21. The undersigned agrees to indemnifying and saving harmless the City of Aurora, its officers, agents, employees, and servants by filing with the City, prior to the execution of the contract, copies of completed Certificates of Insurance satisfactory to the City, with the City of Aurora named as co-insured; automobile liability insurance covering owned, non-owned, and hired vehicles with limits of liability as stated in the City of Aurora - General Specifications Article 6.7.
22. No bid shall be considered unless the party offering it shall furnish evidence satisfactory to the City of Aurora that he has been previously engaged in the quality construction of improvements of the same character as the one herein specified, and that he has the necessary facilities, equipment, experience, and ability and pecuniary resources to fulfill the conditions of the contract
23. No contract will be awarded to any bidder where that bidder or any principal or supervisory personnel of the bidder has been personally involved with another business that has been delinquent or unfaithful in any former contract with the City or where that bidder or any supervisory personnel of the bidder has been personally involved with another business that is a defaulter as surety or otherwise upon obligation to the City.
24. The Illinois Freedom of Information Act (FOIA) has been amended and effective January 1, 2010, adds a new provision to Section 7 of the Act which applies to public records in the possession of a party with whom the City of Aurora has contracted. The City of Aurora will have only a very short period of time from receipt of a FOIA request to comply with the request, and there is a significant amount of work required to process a request including collating and reviewing the information. The undersigned acknowledges the requirements of FOIA and agrees to comply with all requests made by the City of Aurora for public records (as that term is defined by Section 2(c) of FOIA) in the undersigned's possession and to provide the requested public records to the City of Aurora within two (2) business days of the request being made by the City of Aurora. The undersigned agrees to indemnify and hold harmless the City of Aurora from all claims, costs, penalty, losses and injuries (including but not limited to, attorney's fees, other professional fees, court costs and/or arbitration or other dispute resolution costs) arising out of or relating to its failure to provide the public records to the City of Aurora under this agreement.
25. In submitting this Offer, the Bidder acknowledges that:
- All bid documents have been examined: Instructions to bidders, Specifications and the following addenda:**
- No. 1 (10.22), No. \_\_\_\_\_, No. \_\_\_\_\_, No. \_\_\_\_\_, No. \_\_\_\_\_ (Bidder to acknowledge addenda here).
26. The undersigned submits herewith this **Schedule of Prices** covering the work to be performed under this contract:



**Schedule of Prices**  
**2025 Lead Water Service Line**  
**Replacement Program**  
**Bid 24-111**

<b><u>Item #</u></b>	<b><u>Description</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>
1	Corporation Stop, 1"	EACH	\$300.00
2	Corporation Stop, 1.5"	EACH	\$500.00
3	Corporation Stop, 2"	EACH	\$1,000.00
4	Connect to Existing Service Tap	EACH	\$250.00
5	Connect to Existing Curb Stop and Box	EACH	\$1,500.00
6	Trenchless Copper Water Service, 1"	LF	\$20.00
7	Trenchless Copper Water Service, 1.5"	LF	\$25.00
8	Trenchless Copper Water Service, 2"	LF	\$40.00
9	Open Cut Copper Water Service, 1"	LF	\$20.00
10	Open Cut Copper Water Service, 1.5"	LF	\$25.00
11	Open Cut Copper Water Service, 2"	LF	\$40.00
12	Curb Stop and Box, 1"	EACH	\$4,500.00
13	Curb Stop and Box, 1.5"	EACH	\$5,000.00
14	Curb Stop and Box, 2"	EACH	\$5,500.00
15	Sanitary Sewer Adjustment	LF	\$50.00
16	Sanitary Sewer Removal and Replacement, 6"	LF	\$200.00
17	Drain Tile Repair	LF	\$45.00
18	Select Granular Trench Backfill	CY	\$40.00
19	HMA Drive Approach Removal & Replacement, 2"	SY	\$115.00
20	HMA Drive Approach Removal & Replacement, 4"	SY	\$160.00
21	PCC Drive Approach Removal & Replacement, 6"	SY	\$180.00
22	PCC Drive Approach Removal & Replacement, 8"	SY	\$215.00
23	PCC Sidewalk Removal & Replacement, 5"	SF	\$25.00
24	Detectable Warnings	SF	\$35.00
25	Combination PCC Curb & Gutter Removal and Replacement	LF	\$75.00
26	Full Depth Bituminous Pavement Removal Only	SY	\$20.00
27	Class D Patch, N50, 3" TO 5"	SY	\$150.00
28	Class D Patch, N50, 6" TO 8"	SY	\$170.00
29	Class D Patch, N50, 9" TO 12"	SY	\$250.00
30	Seeding - Aurora Mix	SY	\$40.50



**Schedule of Prices**  
**2025 Lead Water Service Line**  
**Replacement Program**  
**Bid 24-111**

<b><u>Item #</u></b>	<b><u>Description</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>
31	Arrow board	DAY	\$85.00
32	Barricades, Type 2 w/Steady Burn Lights	DAY	\$10.00
33	Advanced Warning Signs	DAY	\$10.00
34	Flagger	HOUR	\$140.29
35	Temporary Pavement, 2"	SY	\$75.00
36	Inlet Protection	EACH	\$50.00
37	Mobilization	LS	\$3,000.00
38	Remove and Reset Water Heater	EACH	\$450.00
39	Interior 1" Copper pipe (length above included 10')	LF	\$20.00
40	Interior Connection to Water Meter w/Slab	EACH	\$5,500.00
41	Interior Connection to Water Meter w/Basement or Crawl Space	EACH	\$5,500.00



# Naperville

October 29, 2024

City of Aurora  
Office of the City Clerk  
44 E Downer Place  
Aurora, IL 60505

**RE: Miller Pipeline LLC Letter of Recommendation**

To Whom it May Concern,

Miller Pipeline, LLC was a Prime Contractor on a project for the City of Naperville, IL on a Lead Service Replacement project. The project was designated “**23-121 2024 Lead Water Service Replacement Program**” and was executed between 6/17/2024 and 10/21/2024. The work included 58 lead service line replacements; replacement services from water main to curb stop and installation of services from curb stop to the inside of the dwelling. Nearly all services were installed using trenchless methods (directional drill). The inside work included replacement of the meter and any electrical as required. Additionally, the work involved coordination with the Customers in the City for service interruptions, coordination of traffic control with the City, and hard and soft surface restoration. Miller Pipeline executed the work on this project in a safe, timely and effective manner and would recommend them for your upcoming project.

Sincerely,

Jacob Parrish, P.E.  
Senior Civil-Environmental Engineer  
Department of Public Utilities – Water/Wastewater  
City of Naperville  
3612 Plainfield-Naperville Rd  
Naperville, IL 60564  
Office: 630-420-4121  
Email: [parrishj@naperville.il.us](mailto:parrishj@naperville.il.us)

VILLAGE PRESIDENT  
Jesal Patel

VILLAGE CLERK  
Beryl Herman

VILLAGE MANAGER  
Anne Marie Gaura



TRUSTEES  
Jean Ikezoe-Halevi  
Grace Diaz Herrera  
Craig L. Klatzco  
Chris Martel  
Mohammed Saleem  
Atour Toma Sargon

October 29, 2024

City of Aurora  
Office of the City Clerk  
44 E Downer Place  
Aurora, IL 60505

**RE: Miller Pipeline LLC Letter of Recommendation**

To Whom it May Concern,

Miller Pipeline, LLC is a Prime Contractor for the Village of Lincolnwood's Lead Service Replacement project. The project was designated as the **"2024 Lead Service Line Replacement Program"** and was executed between July of 2024 and present. The total value of the project was \$232,281.00. The work included 27 lead service line replacements; with some replacements from the water main to the curb stop, and curb stop to interior meter, and others only from the curb stop to the meter. Nearly all services were installed using trenchless methods (directional drill). The inside work included replacement of the meter and any electrical as required as well as asbestos testing and abatement, and interior restoration of the impacted area. Additionally, the work involved coordination with the Customers in the Village for service interruptions, coordination of traffic control with the Village, and soft surface restoration.

Miller Pipeline is executing the work on this project in a safe, timely and effective manner and I would recommend them for your upcoming project.

Feel free to contact me with any questions at (224) 251-0821 or by email at [rmieritz@lwd.org](mailto:rmieritz@lwd.org).

Sincerely,

Rachel Mieritz

Staff Engineer

Village of Lincolnwood | Public Works

7001 North Lawndale Avenue | Lincolnwood, IL 60712

p: 224-251-0821 | [rmieritz@lwd.org](mailto:rmieritz@lwd.org)





October 29, 2024

City of Aurora  
Office of the City Clerk  
44 E. Downer Place  
Aurora, IL 60505

RE: Miller Pipeline, LLC Letter of Recommendation

To Whom it May Concern,

Miller Pipeline, LLC was a Prime Contractor on a project for the City of Edgerton, WI on a Lead Service Replacement project. The project was designated "24E-02 2024 Lead Service Lateral Replacement" and was executed between June 2024 and September 2024. The work included approximately 60 public and 80 private side lead service lateral replacement; replacement services from water main to curb stop and installation of services from curb stop to the inside of the dwelling. The inside work included replacement of the meter and any electrical as required. Nearly all services were installed using trenchless methods (directional drill). Additionally, the work involved coordination with the Customers in the City for service interruptions, coordination of traffic control with the City, and hard and soft surface restoration.

Miller Pipeline executed the work on this project in a safe, timely and effective manner and would recommend them for your upcoming project.

Sincerely,

Howard Moser  
Municipal Services Director  
City of Edgerton  
hmoser@edgerton.wi.gov  
608-884-3341



(If an individual)

Limited Liability Company (LLC)

Signatures

Signature of Bidder

*[Handwritten Signature]*

VP Field Finance

Business Address 301 Arthur Ave., Mt. Prospect, IL 60056

(If a partnership)

Firm Name

Signed by

Business Address

Insert  
Names and  
Addresses of  
All Partners

(If a corporation)

Corporate Name

Signed By

President

Business Address

President

Secretary

Treasurer

Attest:

Secretary



### BIDDER'S CERTIFICATION

I/We hereby certify that:

- A. A complete set of bid papers, as intended, has been received, and that I/We will abide by the contents and/or information received and/or contained herein.
- B. I/We have not entered into any collusion or other unethical practices with any person, firm, or employee of the City which would in any way be construed as unethical business practice.
- C. I/We have adopted a written sexual harassment policy which is in accordance with the requirements of Federal, State and local laws, regulations and policies and further certify that I/We are also in compliance with all other equal employment requirements contained in Public Act 87-1257 (effective July 1, 1993) 775 ILCS 5/2-105 (A).
- D. I/We are in compliance with the most current "Prevailing Rate" of wages for laborers, mechanics and other workers as required by the State of Illinois Department of Labor.
- E. I/We operate a drug free environment and drugs are not allowed in the workplace or satellite locations as well as City of Aurora sites in accordance with the Drug Free Workplace Act of January, 1992.
- F. The Bidder is not barred from bidding on the Project, or entering into this contract as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code, or any similar offense of "bid rigging" or "bid rotating" of any state or the United States.
- G. I/We will submit with our bid, for all contracts in excess of \$25,000.00, a certificate indicating participation in apprenticeship and training programs approved and registered with the United States Department of Labor.

☒ Contractor shall check the box indicating that a copy of applicable program certification is attached.

- H. ~~I/We have obtained IDOT prequalification as described in Check Sheet LRS6 in the "Supplemental Specifications and Recurring Special Provisions" in the categories appropriate for the type of work proposed for this project.~~

☐ ~~Contractor shall check the box indicating that a copy of the IDOT prequalification certification for the appropriate categories is attached.~~

- I. I/We will abide by all other Federal, State and local codes, rules, regulations, ordinances and statutes.
- J. I/We will abide by the "Illinois Preference Act" which requires contractors to use at least 90% Illinois laborers on all public works projects that receive State funds or funds administered by the State during a period of "excessive unemployment" (Employment of Illinois Workers on Public Works Act, 30 ILCS 570/).

COMPANY NAME Miller Pipeline, LLC

ADDRESS 301 Arthur Ave.

CITY/STATE/ZIP CODE Mt. Prospect, IL 60056

NAME OF CORPORATE/COMPANY OFFICIAL Dan Fox

TITLE VP Field Finance

PLEASE TYPE OR PRINT CLEARLY

AUTHORIZED OFFICIAL SIGNATURE \_\_\_\_\_

DATE 10/29/24

TELEPHONE (262) 574-5100

FAX No. (    ) \_\_\_\_\_

E-MAIL ADDRESS \_\_\_\_\_

Subscribed and Sworn to

Before me this 29 day

of October, 2024.

Lauren Kucik  
Notary Public

Bid Number **24-111**

Lauren Kucik  
NOTARY PUBLIC  
My Comm. Exp. 10-19-2028  
STATE OF WISCONSIN

## Apprenticeship or Training Program Certification

Return with Bid

**All contractors are required to complete the following certification:**

☒ For this contract proposal or for all groups in this deliver and install proposal.

☐ For the following deliver and install groups in this material proposal:

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The City of Aurora policy, adopted in accordance with the provisions of the Illinois Highway Code, requires this contract to be awarded to the lowest responsive and responsible bidder. In addition to all other responsibility factors, this contract or deliver and install proposal requires all bidders to disclose participation in apprenticeship or training programs that are approved by and registered with the United States Department of Labor's Bureau of Apprenticeship and Training, and applicable to the work of the above indicated proposals or groups. Therefore, all bidders are required to complete the following certification:

- I. Except as provided in paragraph III below, the undersigned bidder certifies that it is a participant, either as an individual or as part of a group program, in an approved apprenticeship or training program applicable to each type of work or craft that the bidder will perform with its own employees.
- II. The undersigned bidder, by inclusion in the list in the space below, certifies the official name of each program sponsor holding the Certificate of Registration for all of the types of work or crafts in which the bidder is a participant and that will be performed with the bidder's employees. The list shall also indicate any type of work or craft job category for which there is no applicable apprenticeship or training program available.

Laborers - Local 2

Operators - Local 150

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- III. Except for any work identified above, any bidder that shall perform all or part of the work of the contract or deliver and install proposal solely by individual owners, partners or members and not by employees to whom the payment of prevailing rates of wages would be required, check the following box, and identify the owner/operator workforce and positions of ownership. ☐

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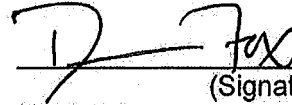
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The requirements of this certification and disclosure are a material part of the contract. The bidder is responsible for making a complete report and shall make certain that each type of work or craft job category that will be utilized on the project is accounted for and listed. **The City of Aurora requires a copy of each applicable Certificate of Registration issued by the United States Department of Labor evidencing such participation by the contractor and any or all of its subcontractors be included with the bid in order to qualify to bid on the project.**

Bidder: Miller Pipeline, LLC

Address: 301 Arthur Ave., Mt. Prospect, IL 60056

By:



(Signature)

Title:

VP Field Finance

STATE OF ILLINOIS)

County of Kane )

ss.

### BIDDER'S TAX CERTIFICATION

(BIDDER'S EXECUTING OFFICER), being first duly sworn on oath, deposes and states that all statements made herein are made on behalf of the Bidder, that this despondent is authorized to make them and that the statements contained herein are true and correct.

Bidder deposes, states and certifies that Bidder is not barred from contracting with any unit of local government in the State of Illinois as result of a delinquency in payment of any tax administered by the Illinois Department of Revenue unless Bidder is contesting, in accordance with the procedures established by the appropriate statute, its liability for the tax or the amount of the tax, all as provided for in accordance with 65 ILCS 5/11-42.1-1.

DATED this 29 day of October, 2024

By

[Signature]  
(Signature of Bidder's Executing Officer)

Don Fox  
(Print name of Bidder's Executing Officer)

VP Field Finance

(Title)

ATTEST/WITNESS:

By Lauren Kucik

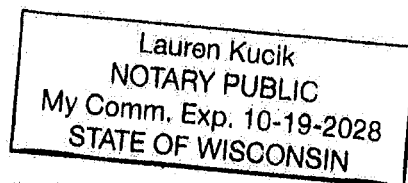
Title Contract Manager

Subscribed and sworn to before me this

29 day of October, 2024

[Signature]  
Notary Public

(SEAL)



Bid Number 24-111

# INTERNATIONAL UNION OF OPERATING ENGINEERS

LOCAL UNION NO. 150, 150B, 150A, 150C, 150RA, 150D, 150G, 150M

AFFILIATED WITH THE A.F.L.-C.I.O. AND BUILDING TRADES DEPARTMENT

JAMES M. SWEENEY  
PRESIDENT-BUSINESS MANAGER



(708) 482-8800 • FAX (708) 482-7186  
6200 JOLIET ROAD  
COUNTRYSIDE, IL 60525-3992

March 26, 2024

Miller Pipeline Corp.  
P.O. Box 34141  
Indianapolis, IN 46234

Re: Proof of Compliance with 30 ILCS 500/30-22(6)  
Our File No. MI-00321

Dear Sir or Madam:

At the request of Miller Pipeline Corp., I am providing you with evidence of the Company's compliance with the apprenticeship requirements in 30 ILCS 500/30-22(6) of the Illinois Procurement Code. I am submitting this letter along with apprenticeship certificates (Nos. IL012020003 and IL008780173).

As a signatory contractor with the International Union of Operating Engineers, Local 150, AFL-CIO, Miller Pipeline Corp., is required by Collective Bargaining Agreement to participate in an applicable apprenticeship and training program approved by and registered with the United States Department of Labor's Bureau of Apprenticeship and Training. The attached certificates are evidence of compliance with the U.S. Department of Labor's apprenticeship requirements.

Thank you for your cooperation in this matter. If you have any questions or concerns, please do not hesitate to contact me.

Very truly yours,

IUOE, Local 150, AFL-CIO  
District 1 dispatch office

Maribel Hernandez

Enclosures: Certificates

# **The United States Department of Labor**

## **Office of Apprenticeship**

### **Certificate of Registration of Apprenticeship Program**

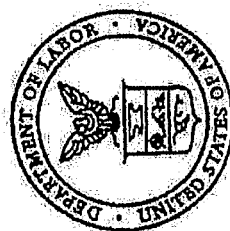
*Operating Engineers Local 150 Apprenticeship Fund  
Wilmington, Illinois  
For the Trade — Operating Engineer*

*Registered as part of the National Apprenticeship System  
in accordance with the basic standards of apprenticeship  
established by the Secretary of Labor*

*December 31, 1978*  
Date Revised June 23, 2011

Registration No.

IL008780173



*William F. Solis*  
Secretary of Labor

*Ad. V. Ladd*  
Administrator, Office of Apprenticeship

# *The United States Department of Labor*

## *Office of Apprenticeship*

### *Certificate of Registration of Apprenticeship Program*

*Operating Engineers Local 150 Apprenticeship Fund*

*Wilmington, Illinois*

*For the Trade — Operating Engineer (Heavy Equipment Technician)*

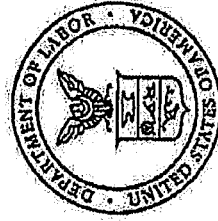
*Registered as part of the National Apprenticeship System  
in accordance with the basic standards of apprenticeship  
established by the Secretary of Labor*

*May 5, 2002*

*Date Revised June 21, 2011*

*Registration No.*

*IL012020003*



*Hilda L. Solis*  
*Secretary of Labor*

*Al V. Hall*  
*Administrator, Office of Apprenticeship*

27 March 2024

Miller Pipeline  
19705 W Lincoln Ave  
New Berlin, WI 53146

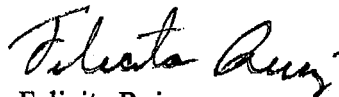
To Whom It May Concern:

Enclosed you will please find a copy of the Department of Labor certification that you requested recently.

You may also use this letter as verification that Miller Pipeline is indeed signatory to the Chicago Laborers District Council and contributes to the Laborers Apprenticeship Fund.

Should you require anything further, please do not hesitate to contact me.

Yours very truly,

  
Felicita Ruiz  
Assistant Office Manager

**Labor Trustees**  
James P. Connolly, *Chairman*  
Michael Bivins  
Shawn Fitzgerald  
Martin Flanagan  
Joseph V. Healy  
Lloyd "Curly" Vaughn

**Executive Director**  
Keith Vitale

**LIUNA!**  
Feel the Power  
42-L

**Management Trustees**  
David Lorig, *Secretary*  
Seth Gudeman  
Shane Higgins  
Joseph Koppers  
Robert G. Krug  
William Vignocchi

**Carol Stream**  
1200 Old Gary Avenue  
Carol Stream, IL 60188

**Chicago**  
5700 West Homer St.  
Chicago, IL 60639



# The United States Department of Labor

## Office of Apprenticeship

### Certificate of Registration of Apprenticeship Program

Chicagoland Laborers

Carol Stream, IL

For the occupation of CONSTRUCTION CRAFT LABORER

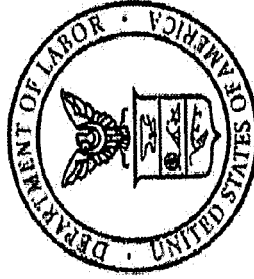
*Registered as part of the National Apprenticeship System  
in accordance with the basic standards of apprenticeship  
established by the Secretary of Labor*

April 12, 1999

*Date*

IL017990001

*Registration No.*



*John V. Ladd*

*Administrator, Office of Apprenticeship*



## City of Aurora, IL - Local Vendor Preference Application

The business identified below is requesting to be placed on the City of Aurora, Illinois Local Vendor Preference list, in accordance with ordinance O20-029 approved April 28, 2020.

- 1) Date Submitted: \_\_\_\_\_
- 2) Name of Business: \_\_\_\_\_
- 3) Address of Local Office: \_\_\_\_\_
- 4) City, State, Zip: \_\_\_\_\_
- 5) Company's Web Address: \_\_\_\_\_
- 6) Phone: \_\_\_\_\_ Fax: \_\_\_\_\_
- 7) County your Local Business is Located In: \_\_\_\_\_

Submitted By (Signature): \_\_\_\_\_

Print Name and Title: \_\_\_\_\_

Email Address: \_\_\_\_\_

### Sec. 2-410.-Prequalification; local bidder.

- (a) If an interested business would like to prequalify as a "local business", such a business shall complete and submit the prequalification application along with supporting documentation, as listed below, and the applicable fee as set by the City Council, to the Finance Department:
- a. Evidence that the business has established and maintained a physical presence in the City of Aurora, by virtue of the ownership or lease of all or a portion of a building for a period of not less than twelve (12) consecutive months prior to the submission of the prequalification application; and
  - b. Evidence demonstrating that the business is legally authorized to conduct business within the State of Illinois and the City of Aurora, and has a business registered to operate in the City if required; and
  - c. Evidence that the business is not a debtor to the City of Aurora. For purposes of this subparagraph, a debtor is defined as having outstanding fees, water bills, sales tax or restaurant/bar tax payments that are thirty (30) days or more past due, or has outstanding weed or nuisance abatements or liens, has failure to comply tickets or parking tickets that are not in dispute as to their validity and are not being challenged in court or other administrative processes.

*Back up documentation for (a) a. and (a) b. must accompany this submittal or application will be rejected.*

*Please note for (a) c. above the City of Aurora will verify internally that your company does not have any outstanding fees. Your company should make sure that to the best of its knowledge all bills are current.*

Return completed application, with all required backup documentation to:

City of Aurora, Attn: Purchasing Division, 44 E. Downer Place, Aurora, IL 60507

Or email to: [PurchasingDL@aurora.il.us](mailto:PurchasingDL@aurora.il.us)

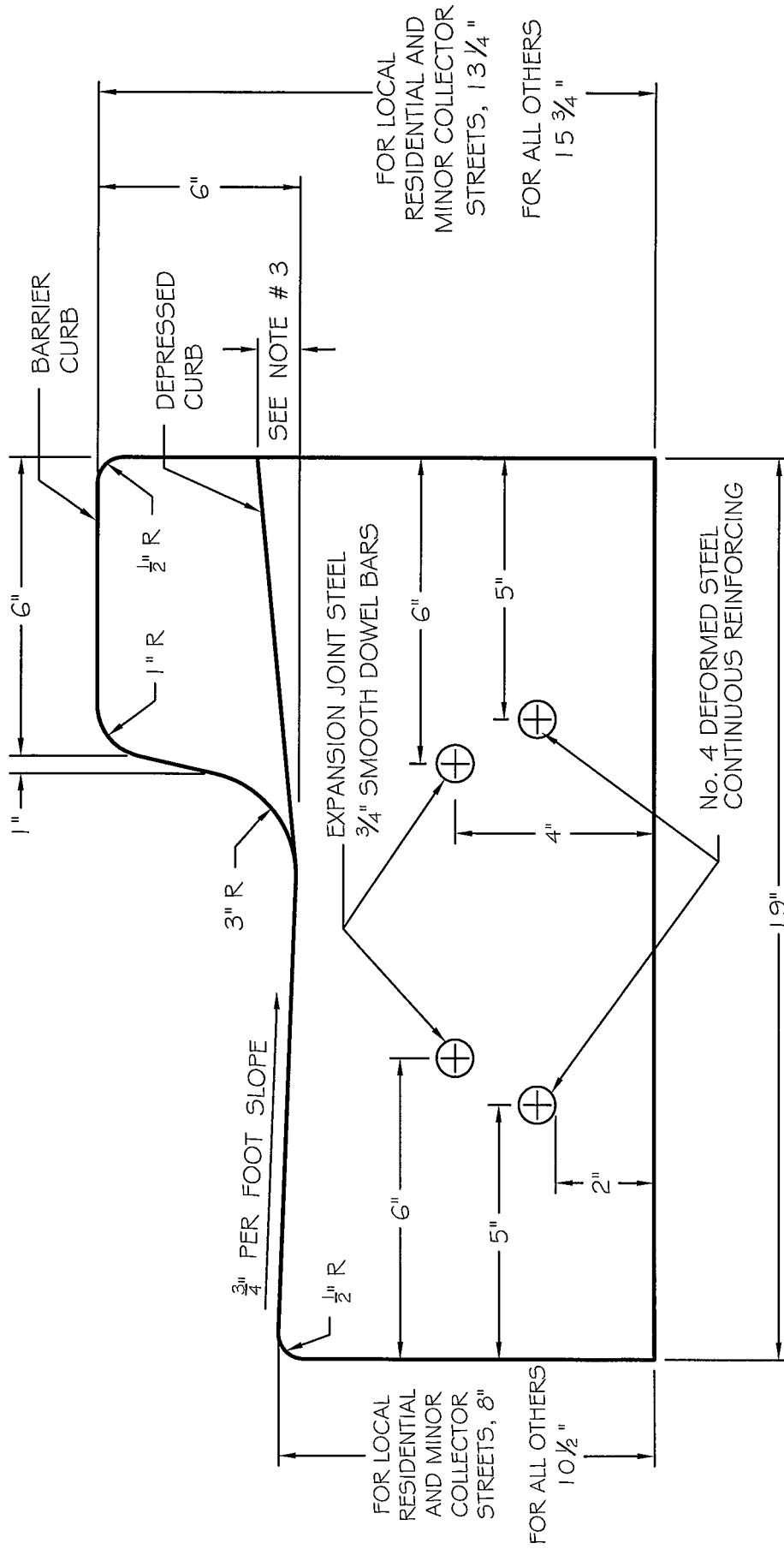
Do not write below this line: For City of Aurora use ONLY

- (a) a.  
(a) b.  
(a) c.

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

Approved: \_\_\_\_\_  
Letter Sent: \_\_\_\_\_

Denied: \_\_\_\_\_  
Initials: \_\_\_\_\_



- NOTES: 1. CURB & GUTTER SHALL HAVE A LIGHT BROOM FINISH.  
 2. CURB & GUTTER TO BE PLACED ON MINIMUM COMPACTED 4" CA-7 LIMESTONE BASE.  
 3. EQUALS 2" AT DRIVEWAYS, 1/2" MAXIMUM AT ACCESSIBLE CURB RAMPS.

# REVISIONS

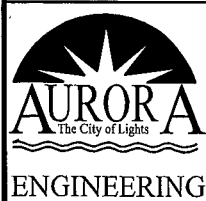


DATE:	02/2013
BY:	DG

CONCRETE CURB & GUTTER			
SCALE:	NOT TO SCALE	CHECKED:	DF
DATE:	1/04	DRAWN:	NM
DRAWING NUMBER:		EXHIBIT 11-C-4	

## CURB AND GUTTER GENERAL NOTES:

1. Contraction joints shall be placed ten (10) feet on centers and shall be saw cut to a minimum depth of two (2) inches from front to back within twenty four (24) hours of concrete placement.
2. The concrete material, curing, protection, and placement for all curb, combination curb and gutter or, depressed curb and gutter shall meet the requirements of Articles 606, 1020, 1021, 1022, and 1023 of the State of Illinois "Standard Specifications for Road and Bridge Construction", latest edition. Membrane curing and concrete sealing shall be accompanied by W.R. Meadows CS-309 Cure and Seal or approved equal like Okon S-20. If the forecast indicates temperatures below 32° F, protection methods shall be installed in accordance with the Standard Specifications for Road and Bridge Construction and shall be approved by the City Engineer.
3. The minimum longitudinal curb slope shall be 0.40%.
4. Cuts into the existing curb shall be made full depth with full expansion joints drilled at each per Exhibit II-C-12 herein.



### REVISIONS

DATE:	BY:
01/2011	jhs
02/2013	DG

### CURB AND GUTTER GENERAL NOTES

SCALE:

CHECKED:

DRAWING NUMBER

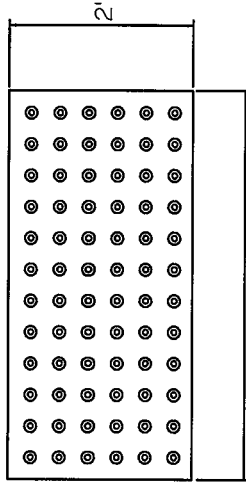
DATE:

03/08

DRAWN:

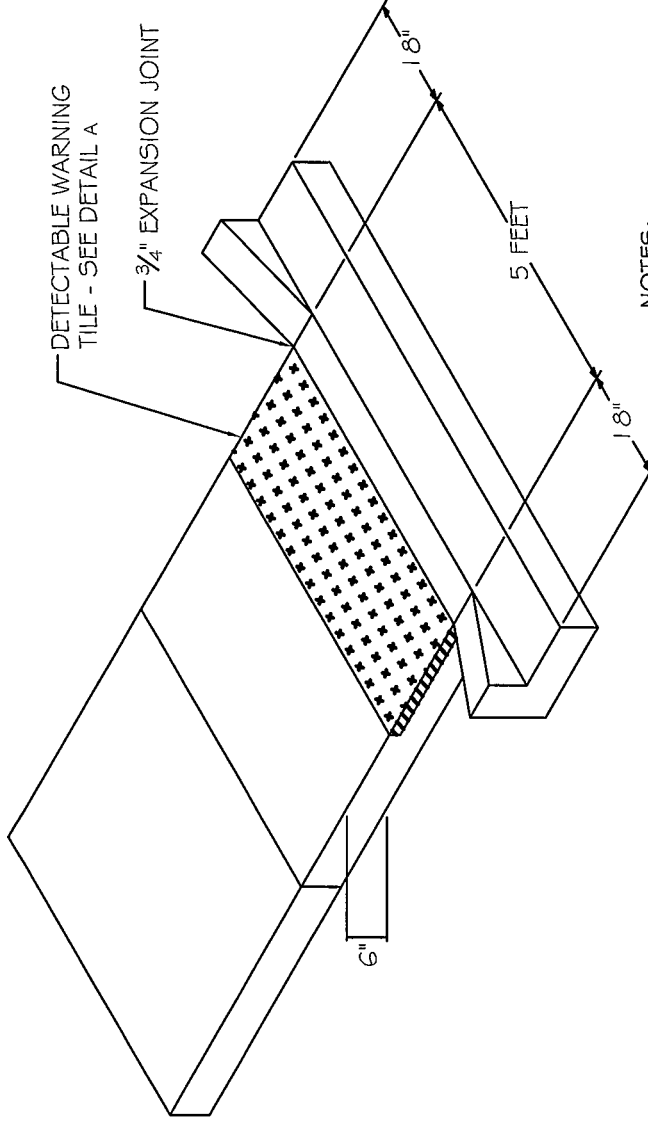
J. MOORE

EXHIBIT II-C-5



DETAIL - A

AT RADIUS LOCATIONS, USE A 2' X 4' TILE AS REQUIRED TO FIT SIDEWALK



## CURB RAMP DETAIL

FOR STANDARD 5' WIDE  
SIDEWALK IN LANDSCAPED AREAS

### NOTES:

1. DETECTABLE WARNING TILES SHALL BE RED 2' x 5'. IDOT APPROVED PRODUCT WITH A 5 YEAR WARRANTY (MIN.).
2. TILES SHALL BE SECURELY ANCHORED WITHIN A 5' x 5' SQUARE OF P.C. CONCRETE 6" THICK.
3. PLACEMENT OF DETECTABLE WARNING TILES SHALL ADHERE TO LOCATIONS & SETBACKS AS SHOWN IN IDOT STANDARDS INCLUDING 424001 FOR VARIOUS FIELD CONDITIONS.
4. THE COLORING AND STAMPING OF CONCRETE WILL NOT BE ALLOWED.
5. DETECTABLE WARNINGS SHALL BE INSTALLED AT ALL CURB RAMPS. BIKE PATH TILE AREA SHALL MEASURE 8' WIDE.

### REVISIONS

DATE:	BY:
12/20/10	jhs
02-22-13	DG

## CURB RAMP DETAIL

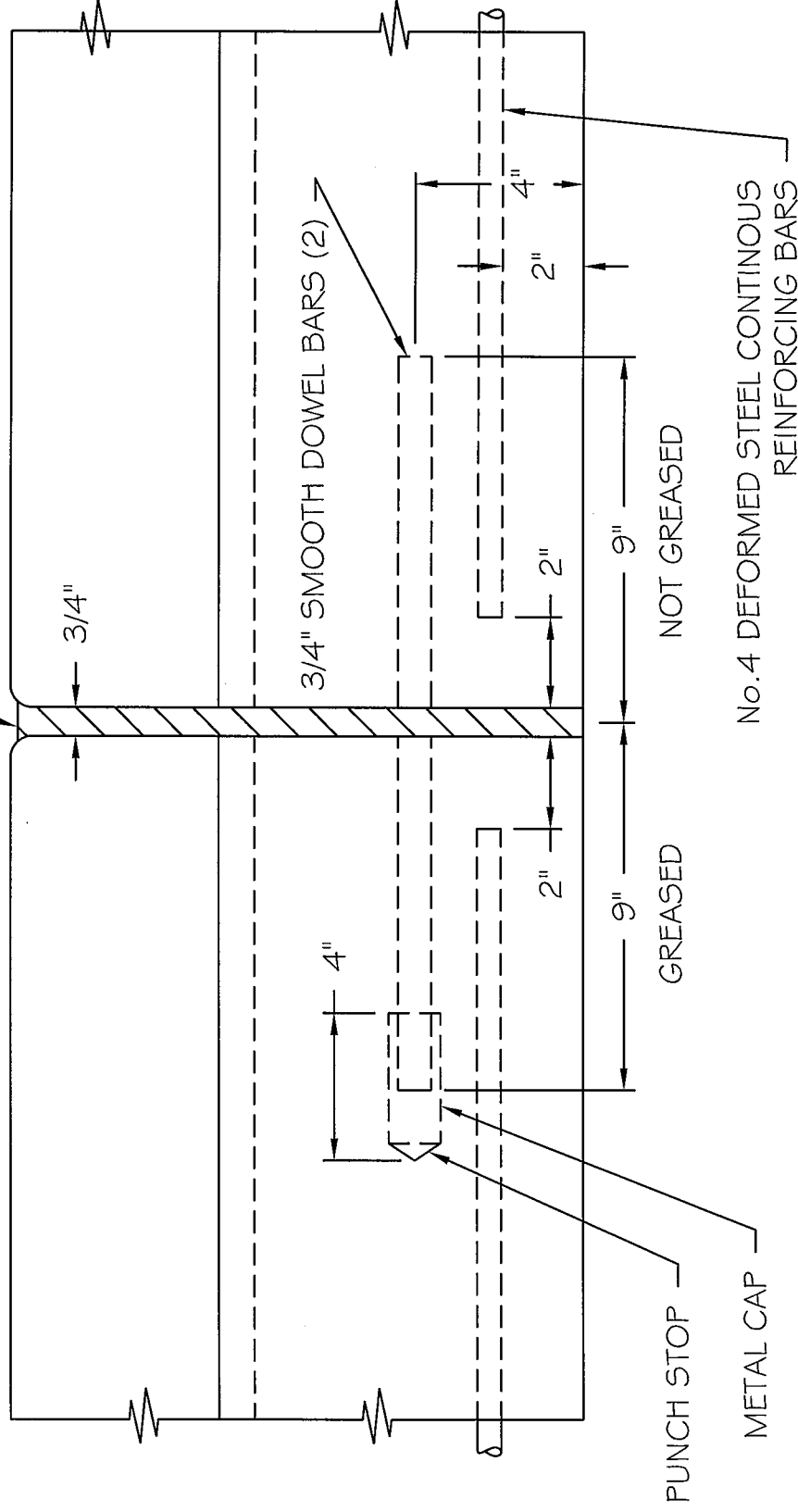
### DRAWING NUMBER:

SCALE:	NOT TO SCALE	CHECKED:	CL
DATE:	1/04	DRAWN:	DG

EXHIBIT 11-C-6



3/4" PREMOLDED JOINT FILLER OR BITUMINOUS PREMOLDED JOINT FILLER.



## EXPANSION JOINT DETAIL

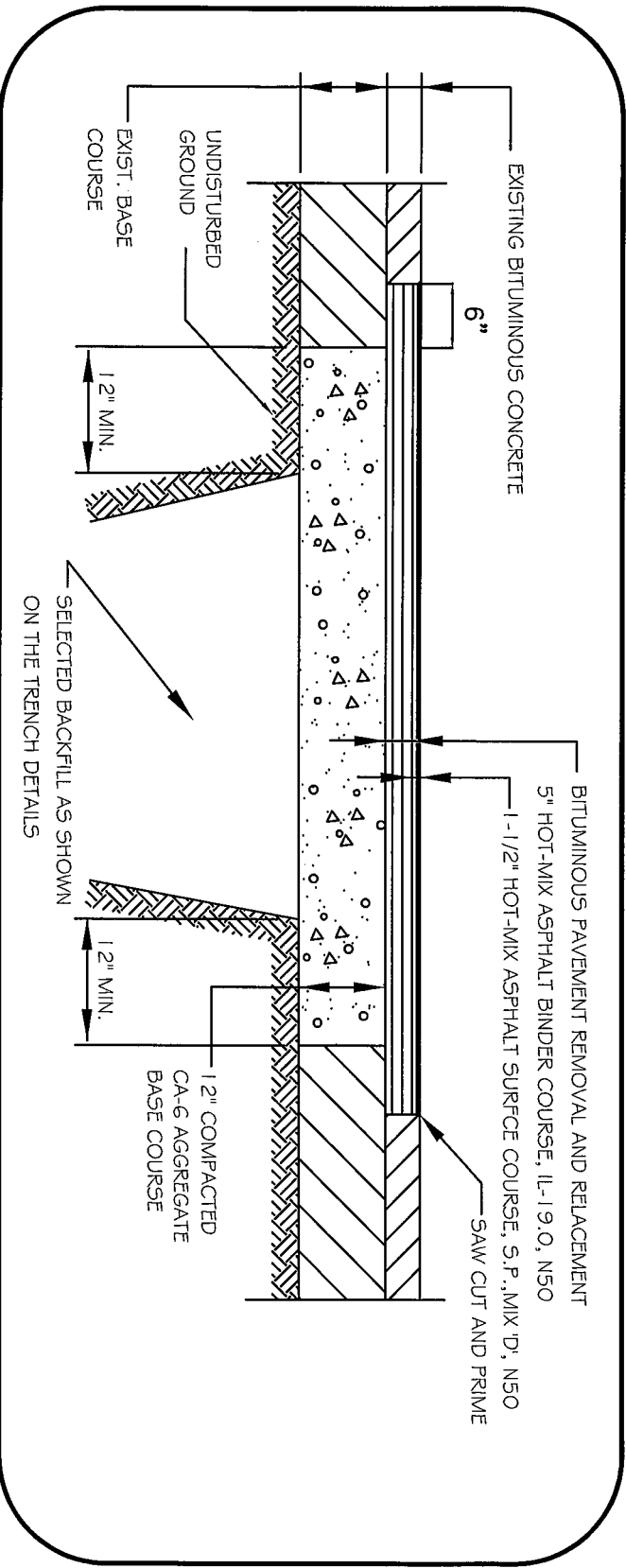
### REVISIONS

DATE:	01/20/13	BY:	DG
SCALE:	NOT TO SCALE	CHECKED:	DF
DATE:	1/04	DRAWN:	NM

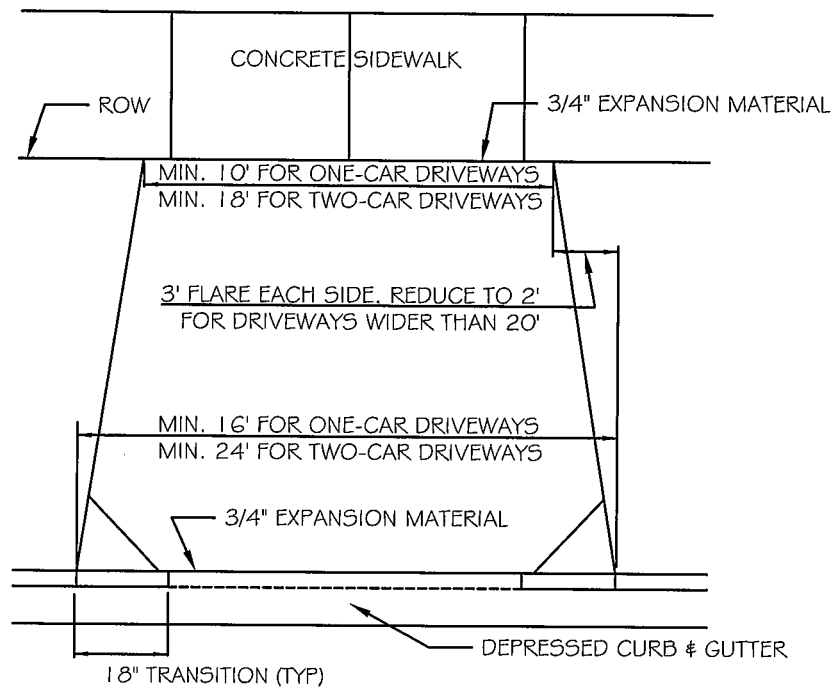
DRAWING NUMBER:

EXHIBIT II-C-12





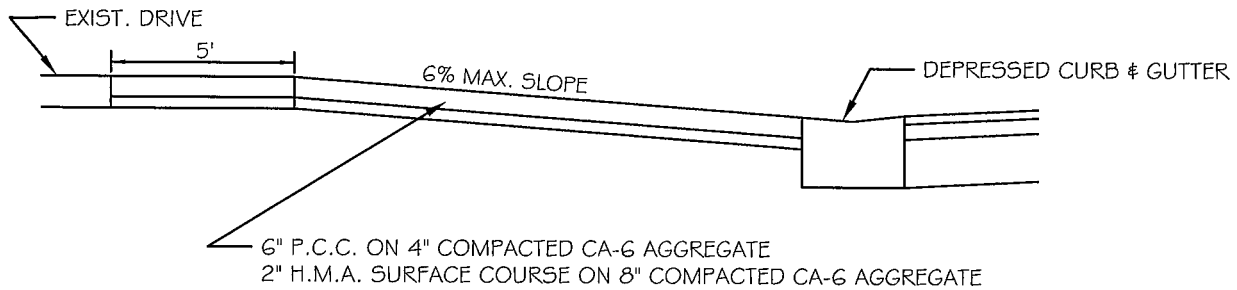
## PAVEMENT RESTORATION FOR RESIDENTIAL STREETS AND MINOR COLLECTORES



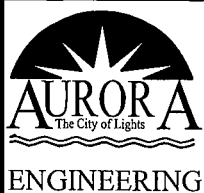
PLAN VIEW

NOTES:

1. IN CITY OF AURORA ESTABLISHED HISTORIC DISTRICTS, DRIVEWAY DIMENSIONS SHALL BE ADJUSTED TO CONFORM TO THE APPROVED STANDARDS.
2. CONTRACTION JOINT DEPTH SHALL BE 1-1/4" MIN.
3. CONTRACTION JOINTS SHALL DIVIDE THE APRON INTO SLABS APPROXIMATELY SQUARE WITH NO SIDE LONGER THAN 8'.



PROFILE VIEW



REVISIONS

DATE: 01/2013 BY: DG

RESIDENTIAL DRIVE APPROACH

SCALE: NOT TO SCALE

CHECKED: DF

DRAWING NUMBER

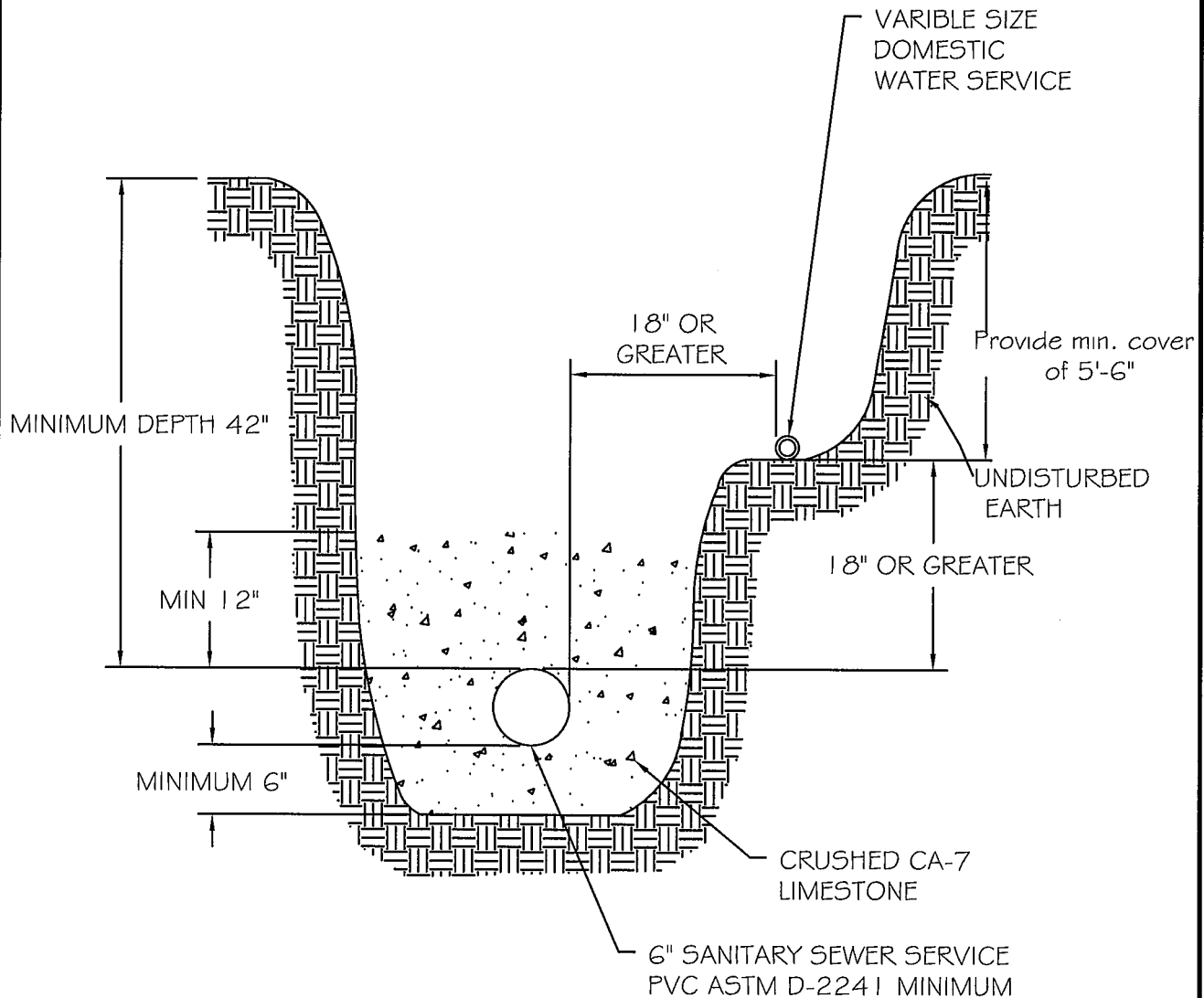
DATE: 1/04

DRAWN: NM

EXHIBIT II-C-7



REQUIRED WHEN A SEPARATE TRENCH OR A TEN  
FOOT (10') MINIMUM SEPARATION IS NOT POSSIBLE.  
REFER TO THE STANDARD SPECIFICATIONS FOR  
WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.



## REVISIONS

DATE: 01/20/11 BY: jhs

## SANITARY AND WATER SERVICE SEPARATION

SCALE:  
NOT TO SCALE

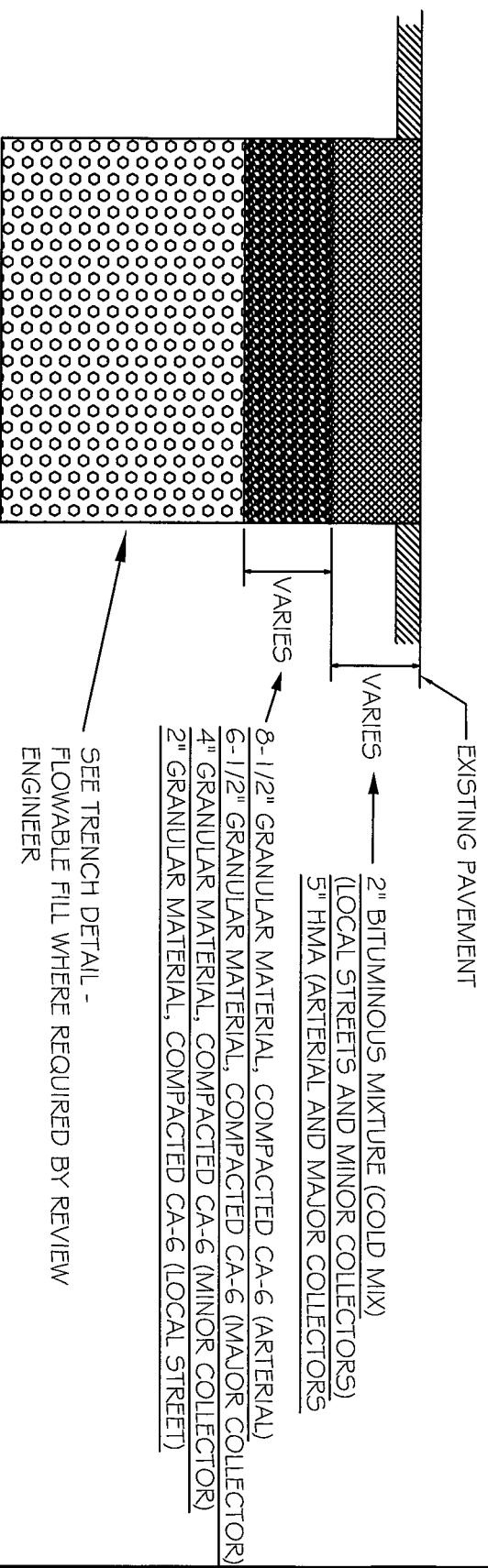
CHECKED:  
DF

DRAWING NUMBER

DATE:  
1/04


DRAWN:  
NM

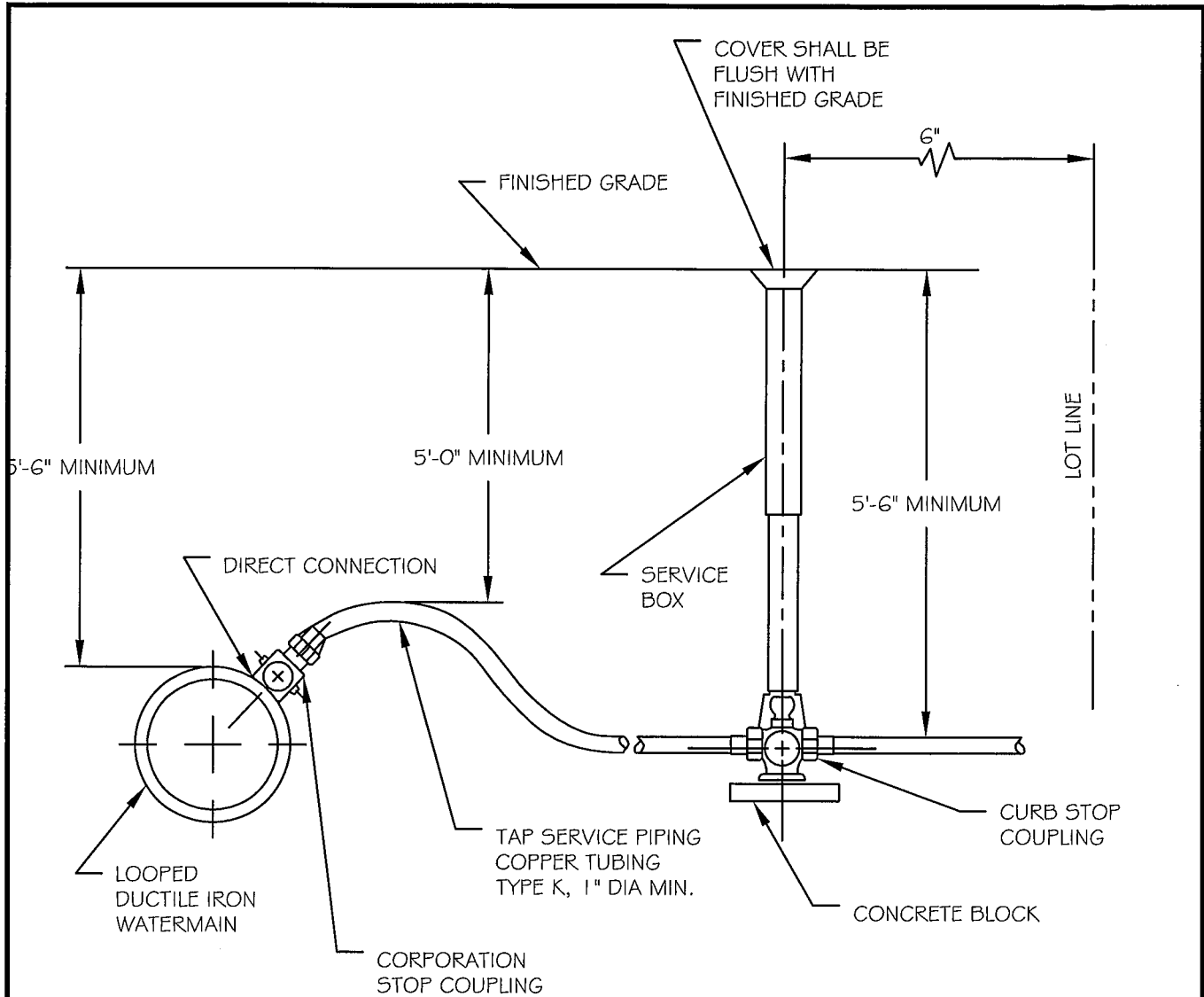
EXHIBIT III-C-2



NOTES :

- 1.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH I.D.O.T. SPECIFICATIONS.
- 2.) CONTRACTOR SHALL MONITOR AND MAINTAIN THE CONDITION OF THE TEMPORARY PATCH BY PLACING ADDITIONAL COLD MIX TO PROVIDE A SMOOTH RIDING SURFACE
- 3.) THE CONTRACTOR SHALL COMPLETE A PERMANENT PATCH, PER APPROPRIATE DETAIL, WITHIN 14 CALENDAR DAYS OF THE COLD MIX PLACEMENT.
- 4.) WORK DONE AFTER DEC. 1ST. SHALL BE PERMANENTLY PATCHED BY MAY 1STH OF THE FOLLOWING YEAR.
- 5.) ALL MATERIAL SHALL MEET CURRENT I.D.O.T. STANDARD SPECIFICATIONS.

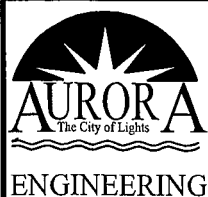
 <b>AURORA</b> <small>The City of Lights</small> <b>ENGINEERING</b>		<b>TEMPORARY PATCH DETAIL</b>	
<b>REVISIONS</b>		<b>SCALE:</b>	
<b>DATE:</b> 10-26-11	<b>BY:</b> D. GOEWEY	NOT TO SCALE	
<b>DATE:</b> 11-21-14	<b>BY:</b> J. JERRARD	<b>CHECKED:</b> DF	
<b>DATE:</b> 1/04	<b>DRAWN:</b> NM	<b>DRAWING NUMBER:</b> EXHIBIT 11-C-1	



REFER TO THE STANDARD SPECIFICATIONS FOR IMPROVEMENTS FOR CORPORATION COUPLING, SERVICE BOX, CURB BOX, AND PIPE MATERIAL, TYPE, MANUFACTURE, AND SIZES.

#### NOTES:

1. WHEN WATERMAIN IS LOCATED WITHIN AN EASEMENT RATHER THAN THE PUBLIC RIGHT-OF-WAY, THE B-BOXES MUST ALSO BE LOCATED WITHIN THE EASEMENT.



#### REVISIONS

DATE:	BY:
08-21-08	JLM
01/2011	jhs

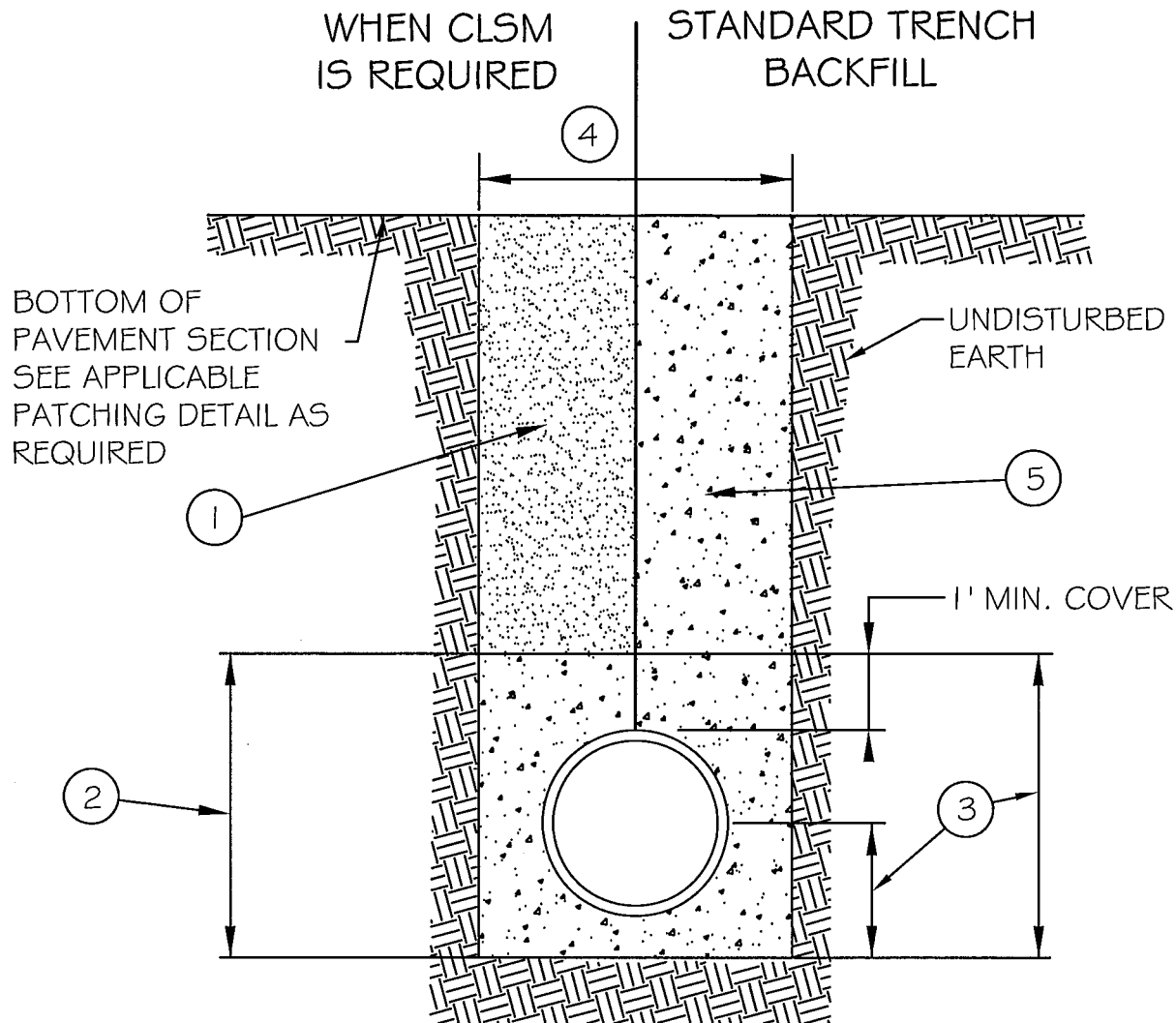
#### TYPICAL WATER SERVICE TAP AND BOX

SCALE:  
NTS  
DATE:  
06/02

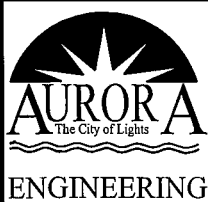
CHECKED:  
DF  
DRAWN:  
NM

DRAWING NUMBER

EXHIBIT III-C-6



- ① CONTROLLED LOW-STRENGTH MATERIAL (CLSM) I.D.O.T. APPROVED MIX WHEN REQUIRED BY CITY ENGINEER.
- ② ALL CLSM INSTALLATIONS REQUIRE CA-7 PLACEMENT TO 1' OVER T.O.P.  
RIGID PIPE: CA-7 SHALL BE PLACED FROM 4" BELOW PIPE TO THE SPRING LINE. FLEXIBLE PIPE: CA-7 SHALL BE PLACED FROM 4" BELOW PIPE TO 1' OVER T.O.P.
- ③
- ④ MAXIMUM TRENCH WIDTH IN ACCORDANCE WITH SECTION 20-4.05
- ⑤ CA-6 OR APPROVED TRENCH BACKFILL.  
FOR NON-PAVED AREAS: SELECT EXCAVATED MATERIAL MAY BE SUBSTITUTED FOR CA-6 AS DIRECTED BY THE ENGINEER.



## REVISIONS

DATE: 01-24-13 BY: DG

WATER TRENCH DETAIL PAVED & UNPAVED

SCALE: NOT TO SCALE

CHECKED: LA

DRAWING NUMBER

DATE: 1/04

DRAWN: DG

EXHIBIT III-A-1