



City of Auburn, Maine

Engineering Department
www.auburnmaine.gov | 60 Court Street
Auburn, Maine 04210
207.333.6601

March 30, 2020

Dear Bidder:

The City of Auburn is accepting written proposals for the Auburn Public Services Department's **2020 Reconstruction Project**. The City reserves the right to accept or reject any or all proposals in whole or in part and to waive any informality the City may determine necessary. The City also reserves to itself the exclusive right to accept any proposal when it is deemed by the City to be in its best interest. The City of Auburn is governed by Title 1 M.R.S.A. § 401-410, otherwise known as the Freedom of Information Act, which considers bid specifications as public documents. In awarding any proposal, the City may consider, but not be limited to, any of the following factors: Bidder qualifications, price, experience, financial standing with the City, warranties, references, bonding, delivery date, and service of Bidder. Vendors/Contractors shall be current on all amounts due to the City of Auburn prior to the City entering into any contract agreement. All proposals must include FOB to Auburn, Maine unless otherwise specified.

Proposals will not receive consideration unless submitted in accordance with the following instructions to bidders. Please mark sealed envelopes plainly: **"2020 Reconstruction Project-Bid #2020-027."**

Bid packages will be available beginning on Monday, March 30, 2020. Documents can be obtained from the City of Auburn's website: www.auburnmaine.gov/business/bid-notice. Questions regarding this Request for Bids should be emailed to Kris Bennett P.E, Assistant City Engineer, at kbennett@auburnmaine.gov. Questions will be fielded until **12:00 p.m. Friday April 10, 2020. There is no mandatory pre-bid for this project.**

Please mail your proposal to the City of Auburn by 2:00 p.m. **Thursday, April 16th, 2020.** Proposals must be delivered to **Derek Boulanger, Facilities Manager/Purchasing Agent, 60 Court Street, Auburn, Maine 04210** on or before the date and time appointed. No proposals will be accepted after the time and date listed above. Proposals will be opened at 2:00 p.m. on that date and bid tabulation will be sent to plan holders. Bid Opening will not be open to the public, but will be video recorded.

Sincerely,

Derek Boulanger
Facilities Manager/Purchasing Agent

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CONDITIONS AND INSTRUCTIONS TO BIDDERS

1. Bidders shall use the enclosed bid form for quotations. Whenever, in bid forms, an article is defined by using a trade name or catalog number, the term "or approved equal", if not inserted, shall be implied.
2. Submit a separate unit price for each item unless otherwise specified in the bid request. Award will be made on a basis of each item, or as a group, whichever is in the best interest of the City. Prices stated are to be "delivered to destination".
3. Bid proposals must be completed in full and in ink. Bid proposals **are not required to be notarized**. Bids may be withdrawn prior to the time set for the official opening.
4. Bidders or representatives will be able to view the bid tabulation on the City's website.
5. **Awards will be made to the lowest responsible bidder of the Base Bid**, considering the quality of the materials, date of delivery, cost which meets specification and is in the best interest to the City of Auburn.
6. All transportation charges, including expense for freight, transfer express, mail, etc. shall be prepaid and be at the expense of the vendor unless otherwise specified in the bid.
7. The terms and cash discounts shall be specified. Time, in connection with discount offered, will be computed from date of delivery at destination after final inspection and acceptance or from date of correct invoice, whichever is later.
8. The City is exempt from payment of Federal Excise Taxes on the articles not for resale, Federal Transportation Tax on all shipments and Maine Sales Tax and Use Taxes. Please quote less these taxes. Upon application, exemption certificate will be furnished with the Purchase Order when required.
9. No contract may be assigned without the written consent of the Purchasing Director or his designate. The contract shall not be considered valid until a purchase order has been issued to the successful bidder.
10. Please state "2020 Reconstruction Project – Bid # 2020-027", on submitted, sealed envelope.
11. The City of Auburn reserves the right to waive any formality and technicality in bids whichever is deemed best for the interest of the City of Auburn.
12. The completion date for this project is October 24th, 2020. Liquidated damages of \$500/calendar day will be assessed on uncompleted work.

GENERAL CONDITIONS

1. Equal Employment Opportunity

The City of Auburn is an Equal Opportunity Employer and shall not discriminate against an applicant for employment, and employee or a citizen because of race, color, sex, marital status, physical and/or mental handicap, religion, age, ancestry or natural origin, unless based upon a bona-fide occupation qualification. Vendors and contractor or their agents doing business with the City shall not violate the above clause or the Civil Rights Acts of 1964. Violations by vendors shall be reviewed on a case-by-case basis and may mean an automatic breach of contract or service to the City of Auburn.

2. Save Harmless

The Bidder agrees to protect and save harmless the owner from all costs, expenses or damages that may arise out of alleged infringement of patents of materials used.

3. Subcontracting

The Bidder shall not subcontract any part of the work or materials or assign any monies due it without first obtaining the written consent of the municipality. Neither party shall assign or transfer its interest in the contract without the written consent of the other party.

4. Warranty

The Bidder warrants that all work will be of good quality and free from faults and defects, and in conformance with the specifications. All work not so conforming to these standards may be considered defective. The Bidder agrees to be responsible for the acts and omissions of all of its employees and all subcontractors, their agents and employees, and all other persons performing any of the work under a contract with the Bidder.

5. Bonds, Retainage and Payments

A bid bond shall be submitted with appropriate bid forms in the amount of 5% of the total contract value. Also, payment and performance bonds will be required from the contractor who is awarded this contract. Retainage in the amount of 10% will be held from each progress payment and shall be released at the discretion of the Assistant City Engineer. Payments shall be made by the City to the Contractor 30 days after receipt of the request for payment.

BID PROPOSAL FORM

Due: Thursday April 16th, 2020

To: City of Auburn
Derek Boulanger, Facilities Manager/Purchasing Agent
60 Court Street
Auburn, ME 04210

The undersigned individual/firm/business guarantees this price for Thirty days (30) from the bid due date. The undersigned submits this proposal without collusion with any other person, individual, or firm or agency. The undersigned ensures the authority to act on behalf of the corporation, partnership or individual they represent; and has read and agreed to all of the terms, requests, or conditions written herein by the City of Auburn, Maine. By signing this bid form, the firm listed below hereby affirms that its bid meets the minimum specifications and standards as listed above.

Signature _____ Name (print) _____

Title _____ Company _____

Address _____

Telephone No. _____ Fax No. _____

Email Address: _____

BID FORM

MDOT ITEM	DESCRIPTION	UNIT	QNTY	UNIT COST	TOTAL COST
201.23	Tree Removal	EA	4		
201.24	Stump Removal	EA	4		
202.20	Remove Bituminous Concrete Surface	SY	15,000		
202.201	Sawcut Pavement	LF	1,500		
202.203	Pavement Butt Joints	SY	70		
203.20	Common Excavation	CY	8,560		
304.10	Aggregate Subbase Course – Crushed Type D	TON	8,130		
304.14	Aggregate Base Course – Crushed Type A	TON	1,630		
304.141	Aggregate Base Course – Crushed Type A (Driveways)	TON	2,400		
403.209	Hot Mix Asphalt, Hand Placed	TON	710		
403.21	Hot Mix Asphalt, 9.5mm Surface	TON	950		
403.211	HMA Shim 9.5mm	TON	90		
403.213	Hot Mix Asphalt, 12.5mm HMA Base	TON	1,260		
409.15	Bituminous Tack Coat. Applied	GAL	610		
604.15	Drainage Manhole	EA	1		
604.164	Rebuilding Catch Basin	EA	1		
604.18	Adjusting Manhole/Catch Basin to Grade	EA	27		
604.252	Catch Basin Type A5-C	EA	4		
604.27	Core Existing Structure - 6"	EA	20		
605.09	6" HDPE Underdrain Type B	LF	3,700		
608.26	Pedestrian Ramp With Detectable Warning	SF	200		
609.11	Vertical Curb Type 1 Granite	LF	3,910		
609.111	Vertical Curb Drainage Inlet	EA	22		
609.234	Terminal Curb Type 1 - 4 Foot	EA	106		
609.237	Terminal Curb Type 1 - 7 Foot	EA	30		
615.08	Loam & Seed	SY	6,500		
621.011	1.5" - 2" Red Maple Tree	EA	2		
621.012	1.5" - 2" Ornamental Pear Tree	EA	2		
627.75	White Pavement Markings	SF	1,540		
652.39	Maintenance of Traffic Control	LS	1		
659.10	Mobilization	LS	1		
830.01	Install 1.5" CTS Water Main	LF	20		
830.02	Install 6" PVC Water Main	LF	1,630		
830.03	Install 8" PVC Water Main	LF	565		
830.04	Install Water Service – Shortside	EA	18		
830.05	Install Water Service – Longside	EA	20		
830.06	Install "T"	EA	5		
830.07	Install Fire Hydrant	EA	3		

830.08	Install Gate Valve	EA	6		
840.01	Replace Sewer Manhole	EA	5		
840.02	Install 15" Sewer Main	LF	1,600		
840.03	Replace Sewer Service	LF	700		
840.04	Install Service T and Connect	EA	27		
Total					

BID ALTERNATE 1 (CURB RESET)

MDOT ITEM	DESCRIPTION	UNIT	QNTY	UNIT COST	TOTAL COST
609.38	Reset Granite Curb Type 1	LF	4,000		
Total					

BID ALTERNATE 2 (BROOK STREET)

MDOT ITEM	DESCRIPTION	UNIT	QNTY	UNIT COST	TOTAL COST
202.15	Remove Existing Manhole or Catch Basin	EA	12		
202.16	Remove Existing Storm Pipe	LF	1,205		
202.20	Remove Bituminous Concrete Surface	SY	3,500		
202.201	Sawcut Pavement	LF	470		
202.203	Pavement Butt Joints	SY	60		
203.20	Common Excavation	CY	2,500		
304.10	Aggregate Subbase Course – Crushed Type D	TON	2,000		
304.14	Aggregate Base Course – Crushed Type A	TON	400		
304.141	Aggregate Base Course – Crushed Type A (Driveways)	TON	400		
403.209	Hot Mix Asphalt, Hand Placed	TON	130		
403.21	Hot Mix Asphalt, 9.5mm Surface	TON	260		
403.213	Hot Mix Asphalt, 12.5mm HMA Base	TON	350		
409.15	Bituminous Tack Coat. Applied	GAL	105		
603.159	12" Culvert Pipe Option III	LF	15		
603.169	15" Culvert Pipe Option III	LF	145		
603.179	18" Culvert Pipe Option III	LF	180		
603.199	24" Culvert Pipe Option III	LF	505		
604.15	Drainage Manhole – 6 Foot	EA	4		
604.252	Catch Basin Type A5-C	EA	14		
605.09	6" HDPE Underdrain Type B	LF	190		
608.26	Pedestrian Ramp With Detectable Warning	SF	16		
609.11	Vertical Curb Type 1 Granite	LF	920		
609.111	Vertical Curb Drainage Inlet	EA	11		
609.24	Radial Granite Curb Type 1	LF	30		
609.234	Terminal Curb Type 1 - 4 Foot	EA	18		
609.237	Terminal Curb Type 1 - 7 Foot	EA	1		
615.08	Loam & Seed	SY	800		
627.75	White Pavement Markings	SF	84		
659.10	Mobilization	LS	1		
Total					

Company Name: _____

Signed by: _____

Title: _____

Print Name: _____

Address: _____

Tel. # _____

Addendum Acknowledged:

Date: _____

_____ Date _____

SCOPE OF WORK

The following scope of work is being proposed for the 2020 Reconstruction Project for the City of Auburn. The scope of work is a brief overview of the expected extent of work on each street included in this contract. This is only a proposed scope with associated estimated quantities. Items, extent and entire streets may be added or deleted as work progresses or to meet the available funding for this work. Reference Appendix A for water and sewer main mapping and Appendix C for reconstruction plan.

Holly Street – Court Street to END

- Proposed & existing dimensions: 1,080' x 28'
- Box cut the road for installation of 15" - Type D, 3" – Type A, 2" 12.5mm HMA, and 1.5" 9.5mm HMA.
- Box cut sidewalks for installation of 12" – Type A, 2" 9.5mm HMA.
- Box cut sidewalks through driveway aprons for installation of 12" – Type A, 2" 12.5mm HMA, 1" 9.5mm HMA.
- Butt joints shall be constructed at intersections.
- Install new 6" Underdrain and core into existing catch basins.
- Install new granite curbing. No curbing from Fern Street to End.
- Install pedestrian detectable warning surfaces and paint high visibility crosswalks.
- Loam and seed disturbed lawn areas.

Josslyn Street – Court Street to END

- Proposed and existing dimensions: 720' x 30'
- Box cut the road for installation of 15" - Type D, 3" – Type A, 2" 12.5mm HMA, and 1.5" 9.5mm HMA.
- Box cut sidewalks for installation of 12" – Type A, 2" 9.5mm HMA.
- Box cut sidewalks through driveway aprons for installation of 12" – Type A, 2" 12.5mm HMA, 1" 9.5mm HMA.
- Shim (0.5") and overlay (1.5") section from Fern Street to End.
- Butt joints shall be constructed at intersections.
- Remove trees and tree stumps marked in pink ribbon on this road. First refusal of the wood shall go to the abutting landowner.
- Install new 6" Underdrain and core into existing catch basins.
- Install new granite curbing. No new curb from Fern Street to End.
- Install pedestrian detectable warning surfaces and paint high visibility crosswalks.
- Loam and seed disturbed lawn areas.

Fern Street – Lake Street to END

- Proposed and existing dimensions: 2,160' x 29'
- Box cut the road for installation of 15" - Type D, 3" – Type A, 2" 12.5mm HMA, and 1.5" 9.5mm HMA.
- Box cut sidewalks for installation of 12" – Type A, 2" 9.5mm HMA.
- Box cut sidewalks through driveway aprons for installation of 12" – Type A, 2" 12.5mm HMA, 1" 9.5mm HMA.
- Shim (0.5") and overlay (1.5") section from Dexter Avenue to End.
- Butt joints shall be constructed at intersections.
- Install new 6" Underdrain and core into existing catch basins.
- Rebuild existing catch basin top as marked on the plans.
- Install new granite curbing. No new curbing from Dexter Avenue to End.
- Install pedestrian detectable warning surfaces and paint high visibility crosswalks.
- Loam and seed disturbed lawn areas.

ALTERNATE: Brook Street – Riverside Drive to Third Street

- Box cut the road for installation of 15" - Type D, 3" – Type A, 2" 12.5mm HMA, and 1.5" 9.5mm HMA.
- Box cut sidewalks for installation of 12" – Type A, 2" 9.5mm HMA.
- Box cut sidewalks through driveway aprons for installation of 12" – Type A, 2" 12.5mm HMA, 1" 9.5mm HMA.
- Butt joints shall be constructed at intersections.
- Remove drainage structures and install new drainage structures as directed.
- Remove drainage pipe and install new drainage pipes as directed.
- Install new granite curbing located on the plans and replace existing curbing with new granite curbing.
- Install pedestrian detectable warning surfaces and paint high visibility crosswalks.
- Loam and seed disturbed lawn areas.

SPECIAL PROVISIONS

The following Supplemental Specifications and Special Provisions shall amend the "Maine, Department of Transportation Standard Specifications, **November 2014 Edition**" including any and all applicable revisions and special provisions. In case of conflicts, these Supplemental Specifications (1) and Special Provisions (2) shall take precedence and shall govern.

(1) Supplemental Specifications - modifications, additions and deletions to the existing Standard Specifications.

(2) Special Provisions - specifications in the contract which are for additional items not covered in the Standard Specifications

F-1 Work Hours

No work shall proceed on this project prior to the hour of 7:00 AM or after 7:00 PM (prevailing time) on any working day unless the City has granted prior approval. The definition of work for this specification shall include starting or moving of equipment, machinery, or materials. Any day worked for four hours or more will be considered a full working day.

F-2 Notification of Residents

Residents shall be notified sufficiently in advance of any construction affecting the driveway and sidewalk to allow adequate time for their removal of personal vehicles. Locations of cuts for drive access affecting individual residents shall be brought to their attention.

F-3 Traffic Signs

All existing traffic signs, which are to be removed during construction, shall be dismantled and the posts removed and shall be stacked in an area approved by the Engineer. Contractor shall protect the signs from damage while in his possession and shall repair, at no additional cost to the City, any damages cause by his operations.

Stop signs are to be maintained at their original locations at all times during the progress work.

Prior to the start of any construction work, the Contractor shall prepare an acceptable inventory of all signs within the project limits which shall be used as a guide for replacement should signs be removed for construction purposes.

This work shall be considered as subsidiary obligation of the contract for which no special payment will be made.

F-4 Protection of Trees

The Contractor shall be responsible for the preservation of all trees on the project, which are not to be removed. Any trees damaged by the Contractor's operations shall be repaired as approved by tree dressing or paint in accordance with the appropriate provisions of Section 201 of Standard Specifications.

F-5 Maintenance and Protection of Traffic

The Contractor shall be responsible for the maintenance and protection of all vehicular and pedestrian traffic at all times during construction and shall erect suitable warning signs, flashing barriers or temporary lighting devices of sufficient size and number to afford protection to the traveling public in accordance with the most recent edition of "Manual on Uniform Traffic Control Devices for Streets Highways" published by the Department of Transportation of the Federal Highway Administration.

The Contractor shall be held responsible for all damage to the work due to any failure of the warning devices to properly protect the work from the traffic, pedestrians or other causes. Traffic control shall be in accordance with the City of Auburn's Traffic Detail Policy effective April 1, 2006.

F-5A Materials

Materials shall meet the requirements specified for the various subsections of the Specifications. Equals shall be approved only prior to the bid opening.

F-6 Survey

The City of Auburn, Department of Public Services will establish, at their discretion, a benchmark location and one construction baseline. The Contractor shall be responsible for maintaining these controls during construction and providing all additional survey required, which shall be done by a competent Engineer or Surveyor.

F-7 Waste Areas

The disposal of waste and surplus material and slash from tree cutting shall be as outlined in Section 203.06 - Waste Areas of the Supplemental Specifications.

F-8 Occupational Safety and Health

The Contractor is hereby advised that all work to be furnished to the City shall be performed with equipment, methods, and use of personnel in conformance with the pertinent Occupational Safety and Health Act requirements of the State of Maine and with the regulations for construction as specified by the Department of Labor and Occupational Safety and Health Administration (OSHA) as currently amended.

F-9 Pre-Construction Conference

A conference will be held at 60 Court Street, Auburn, Maine within ten (10) days after the awarding of the contract. At this time, the contractor will be required to submit a graphically illustrated schedule and a plan showing project activities. City officials and representatives of the various utility companies involved in the project will be present at this meeting.

It is the purpose of this meeting to inform the various agencies of the proposed work schedule, and to give them the opportunity of discussing any difficulties and of offering suggestions to the Contractor concerning his proposed schedule in order that full cooperation may be reached.

F-10 Schedule of Operations

The above-mentioned schedule of operations in Section F-10 shall consist of a bar chart detailing the activities included in the contract. Although a bar chart is acceptable as a minimum, more complex and detailed schedules (i.e., flow charts, critical paths, etc.) are encouraged and will be accepted by the City. Updates will be required.

F-11 Traffic Officers

Traffic control shall be the responsibility of the Contractor and as directed. Traffic control officers will be employed by the contractor.

F-12 Limitation of Operations

The Contractor shall conduct the work at all times in such a manner and in such sequence as will assure the least interference with traffic. The Contractor shall not open up work to the prejudice or detriment of work already started. The Engineer may require the Contractor to finish a section on which work is in progress before work is started on any additional sections, if finishing such section is essential to public convenience.

Waste and surplus material shall not be stockpiled, but shall be disposed of in areas as designated in Section 203.06, Waste Areas, of the Supplemental Specifications.

F-13 Questions Regarding Plans and Documents

Questions from prospective bidders relative to this Contract shall be submitted no later than 12:00 p.m. Friday April 10th 2020 and emailed to:

Kris Bennett P.E.
Assistant City Engineer
Engineering Division
kbennett@auburnmaine.gov

F-14 Record Drawings

The Contractor shall keep daily records of all changes in the work and records of underground infrastructure. Upon completion of the project, the Contractor shall deliver to the Engineer copies of daily records. Final payment will not be made until Engineer receives copies of daily records. The Contractor shall submit as-built mark ups on a scaled GIS sheet detailing stormwater structures and pipes.

F-15 Waste Material

All waste material shall be removed from the site and the area left clean upon completion of work. Any equipment or structures damaged by the Contractor shall be repaired or replaced at no additional cost to the City.

F-16 Quality Assurance

The Contractor shall be responsible at all times for maintaining top quality assurance during performance of his work.

F-17 Bids

No bids shall be withdrawn within a period of sixty -(60)- days after the opening of the bids.

F-18 Aggregate Base Courses

All gravel products shall meet MDOT specifications and shall also be produced from quarry rock.

F- 19 Pipe Materials

All pipe supplied on this project shall be High Density Polyethylene (HDPE) pipe unless otherwise specified.

F – 20 Sawcut Joints

Joints created by sawcutting shall be protected prior to paving. Damaged joints will be cut back at no additional cost to the City.

F- 21 Weekly Quantity Reports

The Contractor shall submit weekly electronic reports of daily quantities by the end of the day the following Monday. These reports shall be emailed to kbennett@auburnmaine.gov.

F- 22 Change Orders

Changes in the scope of work will be approved by the Assistant City Engineer and adjusted by Change Orders.

F-23 Escalation

Raise in escalation shall be forfeited if paving work is performed after the contract completion date. Escalation price at the time of the completion date shall be used for calculating unless the price decreases.

F-24 Water & Sewer Work Materials

Auburn Water and Sewer District is responsible for supplying the materials to the Contractor for the water main and water services proposed work. Upon delivery, the Contractor becomes responsible for the security of said materials. See Appendix A for sewer and water notes.

F-25 Tree Top Removal

First Refusal of wood from tree top removal shall be given to the abutting property owner.

**SUPPLEMENTAL SPECIFICATIONS
SECTION 100 - GENERAL PROVISIONS**

1. SCOPE

The work covered by this section includes furnishing all labor, equipment, materials, incidentals, and the performing of all operations in connection with the work encompassed by these contract documents. All work shall be subject to the terms and conditions of the contract documents.

2. STANDARD SPECIFICATIONS

The City of Auburn, Maine has adopted for this project, the "State of Maine, Department of Transportation, Standard Specifications, **November 2014 Edition**", and the Standard Details (December 2002) and the following Supplemental Specifications including all current additions or modifications thereof. In the case of conflict with the following Supplemental Specifications, addenda shall take precedence and shall govern.

Wherever in the Specifications and in this Contract the term "Department", "the Department of Transportation", "MDOT", or any reference to the "State of Maine, Department of Transportation" or its "Engineers" is mentioned, the intent and meaning shall be interpreted to refer to the CITY OF AUBURN, MAINE, or their authorized representative.

SUPPLEMENTAL SPECIFICATIONS
SECTION 201 – CLEARING RIGHT-OF-WAY

The provisions of Section 201 of the Standard Specifications shall apply with the following additions and modifications:

201.01 Description

This work shall consist of the removal of single trees and stumps in the right of way.

201.08 Removing Single Trees and Stumps

Trees located in the right of way and marked on the plan shall be completely removed and disposed of and stump hole backfilled. The area shall be graded to conform to the surrounding terrain. First refusal of wood from tree top removal shall be given to the abutting property owner.

201.10 Basis of payment

Stumps will be paid for at the contract unit price per each which price will be full compensation for removing, hauling, and disposal of material. The accepted quantity of single trees removed will be paid for at the contract unit price each. Payment for trees shall include removal and disposal of the entire tree except stumps. Removal of trees and stumps less than 12" in diameter are considered incidental.

Pay Item		Pay Unit
201.23	Removing Single Tree Top Only	Each
201.24	Removing Stump	Each

SUPPLEMENTAL SPECIFICATIONS
SECTION 202 - REMOVING OF STRUCTURES AND OBSTRUCTIONS

The provisions of Section 202 of the Standard Specifications shall apply with the following additions and modifications:

202.01 Description

This work shall consist of the removal (milling, grinding or planing) of the surface of the bituminous concrete pavement to the depth, width, grade and cross sections as directed by the Engineer at intersection joints. The sawcut item will be used for cutting the match line in driveways and intersections. This work shall consist of the removal of existing manholes and catch basins.

202.061 Removing Material

The equipment for removing the bituminous surface shall be a power operating planing machine or grinder capable of removing the bituminous concrete pavement to the required depth. The equipment shall be capable of accurately establishing profile grade by referencing from either the existing paving or from an independent grade control and shall have a positive means for removing excess material from the surface and for preventing accidents from flying material in compliance with subsection 107.24, Safety and Accident Prevention, of the Standard Specification. Stripping the pavement via excavator is acceptable. Pavement millings shall become the property of the contractor and shall be disposed of in an approved location.

202.08 Basis of Payment

The accepted quantity of removing pavement surface for butt joints will be paid for at the contract unit price per square yard which price will be full compensation for removing, hauling, clean up and stockpiling the material. The accepted quantity of sawcutting will be paid for at the contract unit price per linear foot which price will be full compensation for cutting, cleaning, and protecting joints prior to paving. The accepted quantity of catch basin or manhole removal will be paid for at the contract unit price per each and will be full compensation for removing at full depth, hauling, clean up and stockpiling the material. **Removal of existing pipe within four feet of the horizontal limits of excavation for a proposed pipe will be considered incidental to that applicable pipe pay item.**

Pay Item		Pay Unit
202.15	Remove Existing Manhole or Catch Basin	Each
202.16	Remove Existing Storm Pipe	Linear Foot
202.20	Remove Bituminous Concrete Surface	Square Yard
202.201	Sawcut Pavement	Linear Foot
202.203	Pavement Butt Joint	Square Yard

**SUPPLEMENTAL SPECIFICATIONS
SECTION 203 – COMMON EXCAVATION**

The provisions of Section 203 of the Standard Specifications shall apply with the following additions and modifications:

203.01 Description

The common excavation item shall be used for box cutting the roadway and sidewalks.

203.19 Basis of payment

The accepted quantity of common excavation will be paid for at the contract unit price per cubic yard which price will be full compensation for removing and hauling the material.

Pay Item		Pay Unit
203.20	Common Excavation	Cubic Yard

**SUPPLEMENTAL SPECIFICATIONS
SECTION 304 – AGGREGATE BASE COURSE**

The provisions of Section 304 of the Standard Specifications shall apply with the following additions and modifications.

304.01 Description

Aggregate Base Course Type A and Subbase Course Type D materials **shall** be a crushed product sourced from a quarry. This surface shall be graded with 2.5% slopes in a normal crowned cross section unless otherwise directed.

Dust Control. The Contractor shall employ dust control measures to minimize the creation of airborne dust during the construction process. As a minimum, standard dust control techniques shall be employed where heavy equipment and the public will be traveling. These may include techniques such as watering-down the site or spreading hygroscopic salts.

304.07 Basis of Payment

The accepted quantities of base course material will be paid for at the respective contract unit price per ton complete in place.

Pay Item		Pay Unit
304.10	Aggregate Subbase Course – Gravel Type D	Ton
304.14	Aggregate Base Course Type A	Ton
304.141	Aggregate Base Course Type A (Driveways)	Ton

**SUPPLEMENTAL SPECIFICATIONS
SECTION 403 - HOT BITUMINOUS PAVEMENT**

The provisions of Section 403 of the Standard Specifications shall apply with the following additions and modifications.

403.01 Description

This work shall include machine placing HMA as indicated in the Scope of Work. Materials and their use shall conform to the requirements of all related and applicable sections of this contract. HMA shall be placed and compacted with a minimum of two lifts where the total thickness of pavement to be placed exceeds 2". The **most recently** revised special provision Section 108 using the New England Selling Price shall apply to this contract.

403.05 Basis of payment

The accepted quantities of hot mix asphalt pavement will be paid for at the contract unit price per ton for the mixtures, including hot mix asphalt material complete in place.

Pay Item		Pay Unit
403.209	Hot Mix Asphalt – Hand Placed	Ton
403.210	Hot Mix Asphalt – 9.5mm Surface	Ton
403.211	Hot Mix Asphalt – 9.5mm Shim	Ton
403.213	Hot Mix Asphalt, 12.5mm Base	Ton

SUPPLEMENTAL SPECIFICATIONS
SECTION 409 - BITUMINOUS TACK COAT

The provisions of Section 409 of the Standard Specifications shall apply with the following additions and modifications.

409.07 Application of bituminous material

The rate of application shall be 0.03 gallons per square yard as directed. During application, care shall be taken to assure areas outside of the work area shall not be discolored. Tack coat shall be required between all layers of Hot Mix Asphalt.

409.09 Basis of payment

The accepted quantity of bituminous tack coat will be paid for at the contract unit price per gallon for the designated type of material complete in place.

Pay Item		Pay Unit
409.15	Bituminous Tack Coat. Applied	Gallon

SUPPLEMENTAL SPECIFICATIONS
SECTION 603 - PIPE CULVERTS AND STORM DRAINS

The provisions of Section 603 of the Standard Specifications shall apply with the following additions and modifications.

603.01 Description

This work shall consist of installing conveyance storm drain at locations specified on the plans and as directed.

603.02 Materials

All pipe shall be High Density Polyethylene (HDPE) and equal to or larger than the existing pipe. Pipe backfill shall meet MaineDOT Standard specifications Subsection 703.22 Underdrain Type C.

603.12 Basis of Payment

The accepted quantity of culvert pipe will be paid for at the contract unit price per linear foot. This price shall include the **cost of excavation**, all labor, materials, and equipment necessary to install the storm drains. Pipe fittings shall be considered part of the linear footage.

Pay Item	Pay Unit
603.159 12" Culvert Pipe Option III	Linear Foot
603.169 15" Culvert Pipe Option III	Linear Foot
603.179 18" Culvert Pipe Option III	Linear Foot
603.199 24" Culvert Pipe Option III	Linear Foot

**SUPPLEMENTAL SPECIFICATIONS
SECTION 604 – CATCH BASINS**

The provisions of Section 604 of the Standard Specifications shall apply with the following additions and modifications.

604.01 Description

Construct manholes, inlets and catch basins. New catch basins shall be priced for a minimum of three inverts. Additional inverts, if required, shall be paid separately. Existing catch basins and manholes will need coring for connection of proposed underdrains and stormdrains.

Adjust existing manholes (storm drains) to grade.

604.06 Basis of Payment

The accepted quantities of catch basins and manholes will be paid for at the contract unit price complete in place. The accepted quantities of altering existing catch basin and manhole adjustments to grade will be paid for at the contract unit price each. The accepted quantity for coring into existing catch basin and manhole will be paid for at the contract unit price each.

Pay Item	Pay Unit
604.15 Drainage Manhole – 6 Foot	Each
604.164 Rebuild Catch Basin	Each
604.18 Adjusting Manhole or Catch Basin to Grade	Each
604.252 Catch Basin Type A5-C	Each
604.27 Core Existing Structure - 6"	Each

**SUPPLEMENTAL SPECIFICATIONS
SECTION 605 – UNDERDRAINS**

The provisions of Section 605 of the Standard Specifications shall apply with the following additions and modifications.

605.01 Description

This work shall consist of installing underdrain using pipe and filter material and pipe outlets in accordance with MaineDOT Standard Specification Subsection 605.04.

605.02 Materials

All pipe shall be High Density Polyethylene (HDPE) and equal to or larger than the existing pipe. Pipe backfill shall meet MaineDOT Standard specifications Subsection 703.22 Underdrain Backfill. **6" Underdrain shall be perforated with a soil filter sock.**

605.07 Basis of Payment

The accepted quantity of underdrain will be paid for at the contract unit price per linear foot. This price shall include the **cost of excavation**, all labor, materials, and equipment necessary to install the underdrain. Pipe fittings shall be considered part of the linear footage.

Pay Item	Pay Unit
605.09 6" HDPE Underdrain Type B	Linear Foot

SUPPLEMENTAL SPECIFICATIONS
SECTION 608 – PEDESTRIAN RAMP WITH DETECTABLE WARNING SURFACE

The provisions of Section 608 of the Standard Specifications shall apply with the following additions and modifications.

608.01 Description

This item shall consist of constructing the concrete portion of the sidewalk ramp at an intersecting street. The bid price shall include all necessary work to install concrete (precast acceptable) and truncated domes. Work shall follow Section 608 of MDOT Standard Details, November 2014 edition and current ADA specifications.

608.05 Method of Measurement

Detectable warning plates will be measured for payment by the square foot of actual plate area, only, not including the surrounding concrete.

608.06 Basis of Payment

The accepted quantities of pedestrian ramp with detectable warning surface will be paid for at the contract unit price per square foot and shall include concrete and cast iron truncated dome.

Pay Item	Pay Unit
608.26 Pedestrian Ramp with Detectable Warning Surface	Square Foot

**SUPPLEMENTAL SPECIFICATIONS
SECTION 609 - CURB**

The provisions of Section 609 of the Standard Specifications shall apply with the following additions and modifications.

609.01 Description

This item consists of the installation of granite curb. Granite curb shall be backfilled front and back and under with concrete up to HMA base course elevation. Curb reset item is for the roads in the Base Bid to reset in place.

609.02 Materials

Granite curbing, which contains pink quarts (Caledonia Type), shall not be used on this project. All granite curbing shall be predominately gray in color.

A mix design for the Portland Cement Concrete shall be submitted to the City. Concrete shall be used for the base for the curb with a minimum designed compressive strength of 1,500 psi.

609.10 Basis of Payment

The accepted quantities of curb will be paid for at the contract unit price linear foot complete in place. Drainage inlets and terminal curb items will be paid for at the contract unit price per each in place.

Pay Item		Pay Unit
609.11	Vertical Curb Type 1 – Granite	Linear Foot
609.111	Vertical Curb Drainage Inlet	Each
609.234	Terminal Curb Type 1 – 4 Foot – Granite	Each
609.237	Terminal Curb Type 1 – 7 Foot – Granite	Each
609.24	Radial Granite Curb Type 1	Linear Foot
609.38	Reset Curb Type 1	Linear Foot

**SUPPLEMENTAL SPECIFICATIONS
SECTION 615 - LOAM**

615.01 – DESCRIPTION

This work shall consist of loaming and seeding areas adjacent to existing lawn areas or as required. Loam and its applications shall conform to the requirements of Section 615 of the Standard Specifications. Loam shall have a **finished depth of six (6") inches** and shall be screened through a one (1") inch square mesh screen. Loam areas shall be rolled (compacted) prior to placement of seed and mulch.

Seeding shall be Method Number 1 and shall conform to the requirements of Section 618 of the Standard Specifications. The Contractor shall be required to continually seed area of loam and seed until a satisfactory growth of grass is established. If so required, all areas to be loamed and seeded shall be mulched with an approved wood cellulose fiber compatible with recommended hydro-seeding practices. This mulch shall be applied simultaneously with the seed and shall be of sufficient quantity to protect the seed and hold moisture in to insure a satisfactory growth of grass.

The specifications for the wood cellulose fiber proposed to be used shall be presented to the Engineer for acceptance at least ten (10) days (working days) prior to the application thereof.

The Contractor shall also be responsible for mowing any and all areas loamed and seeded. The mowings will be required if deemed necessary to insure and maintain a satisfactory growth of grass and shall not exceed two mowings.

615.02 – MATERIALS

After a sample of loam has been submitted to the Engineer, he may require that a sample be submitted to a testing agency to determine its organic content, characteristics, and potential use as loam suited to the site. Loam shall meet the required 5 percent minimum organic content prior to placement.

615.08 - BASIS OF PAYMENT

The accepted quantity of loam and seed will be paid for at the contract **unit price per square yard for a successful growth of grass**. This price shall include the cost of excavation and all labor, materials, and equipment necessary to satisfactorily complete the work. All costs for watering, furnishing labor and equipment for mowing will not be paid for separately, but shall be considered as incidental to this pay item.

Pay Item	Pay Unit
615.08 Loam and Seed	Square Yard

**SUPPLEMENTAL SPECIFICATIONS
SECTION 621 - LANDSCAPING**

The provisions of Section 621 of the Standard Specifications shall apply with the following additions and modifications.

621.0001 Description

This work shall consist of the Contractor furnishing and planting trees and shall include all planting operations and material as well as the care and replacement of the plants during the Maintenance Period. Tree planting locations will be marked by the City.

621.0002 Materials

All non-plant material shall conform to the requirements specified in the following Sections of Division 700 – Materials.

Fertilizer	717.01
Mulch	717.04
Organic Humus	717.09

621.0037 Method of Measurement

The quantity of plants to be measured for payment will be the number of individual plants furnished and planted as required and accepted, excluding replacements.

621.0038 Basis of Payment

Each item of "Planting" will be paid for at the contract unit price for each accepted plant furnished and planted. Payment shall constitute full compensation for; furnishing and placing plants, digging, delivering, rodent protection, preparing plant pits, beds and drains; planting, watering, fertilizing, mulching, pruning, and the cleanup of planting areas; for all, fertilizer, mulch and other necessary materials; all labor, equipment, tools, Maintenance Period work and any other incidentals necessary to complete the work.

Pay Item	Pay Unit
621.011 1.5" – 2" Red Maple	Each
621.012 1.5" – 2" Ornamental Pear Tree	Each

**SUPPLEMENTAL SPECIFICATIONS
SECTION 627 – PAVEMENT MARKINGS**

The provisions of Section 627 of the Standard Specifications shall apply with the following additions and modifications.

627.01 Description

This item shall consist of furnishing and placing reflectorized pavement markings in accordance with Section 708.03 and Section 712.05. This item is used for painting high visibility cross walks.

627.10 Basis of payment

Pavement markings will be paid for at the contract unit price per square foot.

Pay Item	Pay Unit
627.75 White Pavement Markings	Square Foot

**SUPPLEMENTAL SPECIFICATIONS
SECTION 652 – MAINTENANCE OF TRAFFIC**

The provisions of Section 652 of the Standard Specifications shall apply with the following additions and modifications.

652.3.6 Traffic Control

The Contractor shall maintain access to all drives during construction. Road closures by block shall be approved by the Assistant City Engineer. Two-way traffic flow shall be required on all streets during non-working hours.

The Contractor must submit a written Traffic Control Plan before the Preconstruction Meeting to the Assistant City Engineer for approval.

652.7 Method of Measurement

This subsection shall be amended by the addition of the following paragraph:

Work Zone Traffic Control shall be measured as a percentage of work completed to date relative to total work estimated.

652.02 Basis of payment

This subsection shall be amended by the addition of the following paragraph:

Preparation of traffic control plans, constructions signage, barrels, cones, barriers, maintenance of traffic control devices, flaggers and other necessary incidentals to maintain traffic in accordance with the specifications and the MUTCD shall be paid for Lump Sum under item 652.39 Work Zone Traffic Control.

Pay Item	Pay Unit
652.36 Maintenance of Traffic Control	Lump Sum

**SUPPLEMENTAL SPECIFICATIONS
SECTION 659 – MOBILIZATION**

The provisions of Section 659 of the Standard Specifications shall apply with the following additions and modifications.

659.01 Description

This item shall consist of preparatory work and operations including, but not limited to those necessary to the movement of personnel, equipment, supplies and incidentals to the project site; and for all other work and operations which must be performed or costs incurred prior to beginning work on the various items on the project site.

659.02 Basis of payment

Partial payments will be made in accordance with Section 108.2.3 Mobilization of the Standard Specifications.

Pay Item		Pay Unit
659.10	Mobilization	Lump Sum

SUPPLEMENTAL SPECIFICATIONS
SECTION 830 – WATER MAIN SERVICES

The provisions of Section 830 of the Standard Specifications shall apply with the following additions and modifications:

830.01 Description

All connections shall be made in conformance with the Maine State Plumbing Code. All new service lines shall match the size of the existing lines unless otherwise specifically directed by the Auburn Water and Sewerage District. The Contractor shall install locating/warning tape over the water service as required by City ordinance. The Contractor shall provide all necessary labor, equipment, tools, and materials necessary to complete the water service replacements as directed by the Auburn Water and Sewerage District.

The Contractor shall coordinate and attend a Pre-Construction meeting with the Auburn Water and Sewer District, and provide all necessary notifications to the District and the City during construction.

830.02 Removing Material

All water main and services piping, fitting, tracer wire, bends, tees, valves, curb stops, and service boxes materials will be furnished by the Auburn Water and Sewerage District. Thrust blocks shall be supplied by the Contractor. Water mains will be Bionax PVC Pressure Pipe and a specification for the material is provided in Appendix B.

Backfill and bedding materials shall be provided by the Contractor and shall be considered incidental to the applicable pay items.

830.03 Method of Measurement

Water mains shall be measured per linear foot along the centerline of the pipe, complete in place. Tees and gate valves shall be measured by each unit installed, complete in place. Water services shall be measured by each unit installed, complete in place. Fire Hydrants shall be measured by each unit installed, complete in place.

830.04 Basis of Payment

The accepted quantities of water mains installation shall be paid for at the contract unit price per linear foot, complete in place. Payment shall constitute full compensation for; laying and jointing of piping and appurtenances furnished by the Auburn Water and Sewer District; excavation, shoring and bracing, dewatering; removal and disposal of existing piping and appurtenances; furnishing and placing bedding, backfilling; installing tracer wire; and all labor, equipment, tools and any other incidentals necessary to complete the work.

The accepted quantities of hydrants, tees, and gates valves installation shall be paid for at the contract unit price per each complete in place. Removal of existing hydrants is incidental to the pay item. Payment shall constitute full compensation for; installation of hydrants, tees and gate valves furnished by the Auburn Water and Sewerage District; excavation, shoring and bracing, dewatering; removal and disposal of existing piping and appurtenances; furnishing and placing bedding, backfilling; and all labor, equipment, tools and any other incidentals necessary to complete the work. Thrust blocks shall be furnished and installed by the Contractor.

The accepted quantities of water services installation shall be paid for at the contract unit price per each complete in place. Payment shall constitute full compensation for; installation of piping, service boxes and curb stops furnished by the Auburn Water and Sewerage Districts; excavation, shoring and bracing, dewatering; removal and disposal of existing piping and appurtenances; connection to existing service, furnishing and placing bedding, backfilling; and all labor, equipment, tools and any other incidentals necessary to complete the work.

The adjustment of new curb stops to grade shall be considered incidental to the contract and shall not require payment. Adjustment of existing curb stops to remain shall be completed by the Auburn Water and Sewerage District.

Pay Item		Pay Unit
830.01	Install 1.5" CTS Water Main	Linear Foot
830.02	Install 6" PVCO Bionax Water Main	Linear Foot
830.03	Install 8" PVCO Bionax Water Main	Linear Foot
830.04	Install Water Service – Shortside	Each
830.05	Install Water Service - Longside	Each
830.06	Install "T"	Each
830.07	Install Fire Hydrant	Each
830.08	Install Gate Valve	Each

SUPPLEMENTAL SPECIFICATIONS
SECTION 840 – SEWER

The provisions of Section 840 of the Standard Specifications shall apply with the following additions and modifications:

840.01 Description

All connections shall be made in conformance with the Maine State Plumbing Code. All new service lines shall match the size of the existing lines unless other specifically directed by the Auburn Water and Sewerage District. The Contractor shall install warning tape over the sewer service as required by City ordinance. The Contractor shall provide all necessary labor, equipment, tools, and materials necessary to complete the sewer service replacements as directed by the Auburn Water and Sewerage District.

The Contractor shall coordinate and attend a Pre-Construction meeting with the Auburn Water and Sewer District, and provide all necessary notifications to the District and the City during construction.

During construction, conditions may suggest that an entire sewer service line may need to be replaced. The contractor should provide a price per/foot to replace service lines if it is determined by the District a service needs to be replaced.

840.02 Materials

All sewer main and services piping, fitting, bends, tees, and manholes (all 4') will be furnished by the Auburn Water and Sewerage District. Sewer mains will be SDR 35 PVC and a specification for the material is provided in Appendix B.

Backfill and bedding materials shall be provided by the Contractor and shall be considered incidental to the applicable pay items.

840.03 Method of Measurement

PVC sewer mains shall be measured per linear foot along the centerline of the pipe, complete in place. Tees, sewer services and manholes shall be measured by each unit installed, complete in place.

Sewer service replacement to the property line as determined necessary by the district, will be measured per linear foot along the centerline of the pipe.

840.04 Basis of Payment

The accepted quantities of PVC sewer mains installation shall be paid for at the contract unit price per linear foot, complete in place. Payment shall constitute full compensation for; laying and jointing of piping and appurtenances furnished by the Auburn Water and Sewer District; excavation, shoring and bracing, dewatering; removal and disposal of existing piping and appurtenances; furnishing and placing bedding, backfilling; and all labor, equipment, tools and any other incidentals necessary to complete the work.

The accepted quantities of tees and manholes installation shall be paid for at the contract unit price per each complete in place. Payment shall constitute full compensation for; installation of tees and manholes furnished by the Auburn Water and Sewerage District; excavation, shoring and bracing, dewatering; removal and disposal of existing piping and appurtenances; furnishing and placing bedding, backfilling; and all labor, equipment, tools and any other incidentals necessary to complete the work.

The accepted quantities of sewer service installation shall be paid for at the contract unit price per each complete in place. Payment shall constitute full compensation for; installation of piping, bends and couplings furnished by the Auburn Water and Sewerage Districts; excavation, shoring and bracing, dewatering; removal and disposal of existing piping and appurtenances; connection to existing service, furnishing and placing bedding, backfilling; and all labor, equipment, tools and any other incidentals necessary to complete the work.

Pay Items		Pay Unit
840.01	Replace Sewer Manhole	Each
840.02	Install 15" Sewer Main	Linear Foot
840.03	Replace Sewer Service	Linear Foot
840.04	Install Service T and Connect	Each

BID BOND

KNOW ALL BY THESE PRESENTS, that we, the undersigned, _____ as Principal, and _____ as Surety, are hereby held and firmly bound unto _____ as OWNER in the penal sum of _____ for payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, successors and assigns.

Signed, this _____ day of _____, 2020.

The Condition of the above obligation is such that whereas the principal has submitted to _____ a certain BID,

attached hereto and hereby made a part hereof to enter into a contract in writing, for the _____

NOW, THEREFORE,

- (a) If said BID shall be rejected, or
- (b) If said BID shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attached hereto (properly completed in accordance with said BID) and shall furnish a BOND for his faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said BID,

then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for all and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its BOND shall be in no way impaired or affected by any extension of time within which the OWNER may accept such BID; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

_____ (L.S)
Principal

Surety

By: _____

IMPORTANT - Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the project is located.

SAMPLE AGREEMENT

THIS AGREEMENT is made this ### day of Month Year, by and between the CITY OF AUBURN, a municipal corporation existing under the laws of the State of Maine and located in the County of Androscoggin, State of Maine (hereinafter "CITY"), Company Name, Address, EIN, (hereinafter "CONTRACTOR"),

WITNESSETH:

In consideration of the mutual covenants and conditions contained herein, the CITY and the CONTRACTOR agree as follows:

SPECIFICATIONS:

1. The CONTRACTOR shall furnish all of the material and perform all of the work shown on the drawings and described in the specifications entitled: Bid # XXXXX Bid Title which are attached hereto and made a part hereof, and the CONTRACTOR covenants that it shall do everything required by this Agreement, the Special Provisions of the Agreement, the Invitation to Bid and the Specifications in return for payment as provided herein.

COMPLETION DATE:

2. The work to be performed under this Agreement shall be commenced by Month day, year and fully completed on or before Month day, year.

CONTRACT PRICE:

3. The CITY shall pay the CONTRACTOR for the performance of the Agreement the sum of \$XXX

PERFORMANCE BOND:

4. If required by the City, the CONTRACTOR shall furnish to the CITY at the time of the execution of this Agreement a performance bond and a labor and material payment bond each in the amount of \$Dollar amount or N/A (whichever applies) executed by a surety company satisfactory to the CITY, guaranteeing the performance and payment by the CONTRACTOR. Yes, Required (Initials: __) No, Waived (Initials __)

GUARANTEE:

5. The CONTRACTOR shall guarantee his work against any defects in workmanship and materials for a period of one year from the date of the CITY's written acceptance of the project.

PERMITS AND LICENSES:

6. Permits and licenses necessary for the prosecution of the work shall be secured and paid by the CONTRACTOR.

CITY'S RIGHT TO TERMINATE CONTRACT:

7. If the CONTRACTOR should be adjudged a bankrupt, or if it should make a general assignment for the benefit of creditors, or if a receiver should be appointed on account of its insolvency, or if it should persistently or repeatedly refuse or should fail, except in cases for which extension of time is provided, to supply enough properly skilled workmen or proper materials, or if it should fail to make prompt payment to subcontractors or for material or labor, or persistently disregard laws, and ordinances, or otherwise be guilty of a substantial violation of any provision of the Agreement, then the CITY when sufficient cause exists to justify such action, may, without prejudice to any other right or remedy and after giving the CONTRACTOR, and his surety, seven (7) days written notice, terminate the employment of the CONTRACTOR and take possession of the premises and of all materials, tools and appliances thereon and finish the work by whatever method it may deem expedient. In such case the CONTRACTOR shall not be entitled to receive any further payment until the work is finished. If the unpaid balance of the Agreement price shall exceed the expense of the finishing the work, including compensation for additional architectural, managerial and administrative services, such excess shall be paid to the CONTRACTOR. If such expense shall exceed such unpaid balance, the CONTRACTOR shall pay the difference to the CITY.

CONTRACTOR'S LIABILITY INSURANCE:

8. The CONTRACTOR shall not commence work under this Agreement until he has obtained all insurance required under this paragraph and such insurance has been approved by the CITY, nor shall the CONTRACTOR allow any subcontractor to commence work on his subcontract until all similar insurance required of subcontractor has been so obtained and approved. It is a requirement that the CITY be named as an Additional Insured on the General Liability and Automobile Liability policies.

Commercial General Liability to include products and completed operations, and blanket contractual. The limits of liability shall be as follows:

Bodily Injury and Property Damage	\$1,000,000
Personal Injury and Advertising Injury	\$1,000,000
Per Project Aggregate	\$1,000,000
General Aggregate	\$2,000,000
Products and Completed Operations Aggregate	\$2,000,000
Medical Payments	\$10,000

(b) Business Automobile Liability

The CONTRACTOR shall maintain and cause all sub-contractors and lower tier contractors to maintain business automobile liability insurance covering all owned non-owned, leased, rented or hired automobiles (symbol 1). The limits of liability shall be as follows:

Bodily Injury and Property Damage	\$1,000,000
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Automobile physical damage coverage shall be at the option of the CONTRACTOR, all sub-contractors and lower tier contractors. The CITY shall not be liable for physical loss or damage to any owned, non-owned, leased, rented or hired automobile.

Workers' Compensation Insurance

The CONTRACTOR shall maintain and cause all sub-contractors and lower tier contractor's to maintain Workers' Compensation and Employers Liability in accordance with the laws and regulations of the State of Maine. The limits of liability provided shall be as follows:

Coverage A:	Statutory
Coverage B:	\$100,000/\$500,000/\$100,000

Professional Liability

If the CONTRACTOR is an Architect, Engineer or Surveyor, they shall maintain a policy of insurance to pay on their behalf whatever amounts that may become legally required to pay on account of an error, omission or negligent act.

Limits of Liability shall be as follows:

\$1,000,000 per occurrence and in the aggregate site specific.

It is a requirement that this policy be maintained for a period of three (3) years following completion of the project.

Certificates of Insurance of the types and in the amounts required shall be delivered to the CITY prior to the commencement of any work by the CONTRACTOR, subcontractor or lower tier contractor or any person or entity working at the direction or under control of the CONTRACTOR. The CONTRACTOR shall assume the obligation and responsibility to confirm insurance coverage for all sub-contractors or lower tier contractors who will participate in the project.

The Certificate of Insurance and the policies of insurance shall include a sixty (60) day notice to the CITY of cancellation, non-renewal or material change in coverage or form.

The CONTRACTOR and his surety shall indemnify and save harmless the CITY, his officers and employees from all suits, actions or claims of any character brought because of any injuries or damage received or sustained by any person, persons or property on account of the operations of the said CONTRACTOR; or on account of or in consequence of any neglect in safeguarding the work; or through use of unacceptable materials in construction of the work; or because of any act or omission, neglect, or misconduct of said CONTRACTOR; or because of any claims or amounts recovered from any infringements or patent trademark, or copyright; or from any claims or amounts arising or recovered under the "Workmen's Compensation Act" or of any other law, ordinance, order or decree; and so much of the money due to the said CONTRACTOR under and by virtue of his/her contract as shall be considered necessary by the CITY for such purpose, may be retained; or in case no money is due, his surety may be held until such suit or suits, action or actions, claim or claims, for injuries or damages as aforesaid shall have been settled and suitable evidence to that effect furnished to the CITY.

Waiver of Subrogation

Payment of any claim or suit including any expenses incurred in connection therewith by the CITY, or any insurance company on behalf of the CITY shall not constitute a waiver of subrogation against the CONTRACTOR, sub-contractors or any lower tier contractor in the event that such claim or suit was caused by or contributed to as a result of the negligent acts of the CONTRACTOR, any sub-contractors or lower tier contractors.

Construction Agreement

The CONTRACTOR shall and does hereby agree to indemnify, save harmless and defend the CITY from the payment of any sum or sums of money to any person whomsoever on account of claims or suits growing out of injuries to persons, including death, or damages to property, caused by the CONTRACTOR, his employees, agents or sub-contractors or in any way attributable to the performance and execution of the work herein contracted for, including (but without limiting the generality of the foregoing), all claims for service, labor performed, materials furnished, provisions and suppliers, injuries to persons or damage to property, liens, garnishments, attachments, claims, suits, costs, attorney's fees, costs of investigation and defense. It is the intention of this paragraph to hold the CONTRACTOR responsible for the payment of any and all claims, suits, or liens, of any nature character in any way attributable to or asserted against the CITY, or the CITY and the CONTRACTOR, which the City may be required to pay. In the event the liability of the CONTRACTOR shall arise by reason of the sole negligence of the CITY and/or the sole negligence of the CITY's agents, servants or employees, then and only then, the CONTRACTOR shall not be liable under the provisions of this paragraph.

DAMAGES:

9. The CONTRACTOR shall defend, indemnify and save harmless the CITY and all persons acting for or in behalf of it against all claims for injuries (including death), loss or damage, arising out of the performance out this contract.

LIENS:

10. Neither the final payment nor any part of the retained percentage shall become due until the CONTRACTOR, if required, shall deliver to the CITY a complete release of all liens arising out of the Agreement, or receipts in full in lieu thereof and, if required in either case, an affidavit that so far as it has knowledge or information the releases and receipts include all the labor and material for which a lien could be filed; but the CONTRACTOR may, if any SUB-CONTRACTOR refuses to furnish a release or receipt in full, furnish a bond satisfactory to the CITY to indemnify it against any lien. If any lien remains unsatisfied after all payment are made, the CONTRACTOR shall refund to the CITY all moneys that the latter may be compelled to pay in discharging such a lien, including all costs and a reasonable attorney's fee.

ASSIGNMENT:

11. Neither party to the Agreement shall assign the Agreement or sublet it as a whole without the written consent of the other, nor shall the CONTRACTOR assign any moneys due or to become due to it hereunder, without the previous written consent of the CITY.

SUBCONTRACTS:

12. The CONTRACTOR shall not sublet any part of this Agreement without the written permission of the CITY. The CONTRACTOR agrees that it is as fully responsible to the CITY for the acts and omissions of its SUB-CONTRACTORS and of persons either directly or indirectly employed by them, as it is for the acts and omissions of persons directly employed by it.

USE OF PREMISES:

13. The CONTRACTOR shall confine its apparatus, the storage of materials and operations of its workers to limits indicated by law, ordinance and permits and shall not otherwise unreasonably encumber the premises with its materials. If any part of the project is completed and ready for use, the CITY may, by written and mutual consent, without prejudice to any of its rights or the rights of the CONTRACTOR, enter in and make use of such completed parts of the project. Such use or occupancy shall in no case be construed as an acceptance of any work or materials.

CLEANING UP:

14. The CONTRACTOR shall at all times keep the premises free from accumulation of waste materials or rubbish caused by its employees or work, and at the completion of the work it shall remove all its rubbish from and about the project, and all its tools, scaffolding and surplus materials and shall leave its work "broom-clean" or its equivalent, unless more exactly specified. In case of dispute, the CITY may remove the rubbish and charge the cost to the CONTRACTOR.

PAYMENTS:

15. Unless otherwise agreed to, the CITY shall make payments on account of the Agreement as follows:

Within 30 days, as invoices are submitted for work completed to the satisfaction of the CITY.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and year first above written.

BY: _____
Witness

BY: _____
Finance Director

BY: _____
Witness

BY: _____
Contractor

APPENDIX A

**AUBURN WATER AND SEWERAGE DISTRICT
PLANS, QUANTITIES, AND NOTES APPENDIX A**

2020 HOLLY, FERN, JOSSLYN WATER PROJECTS

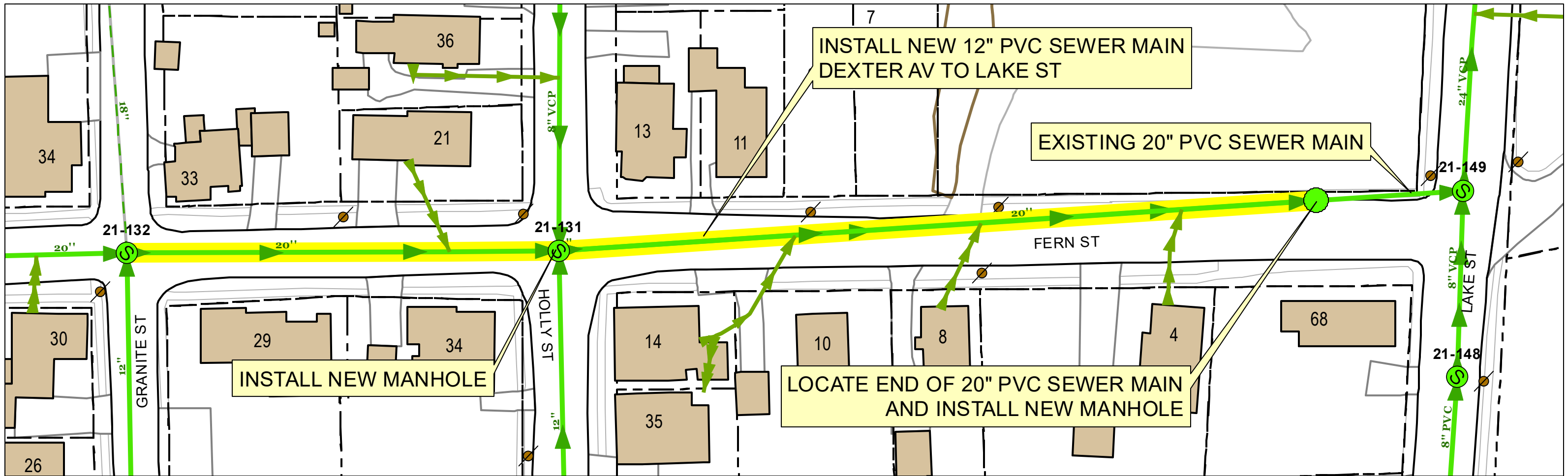
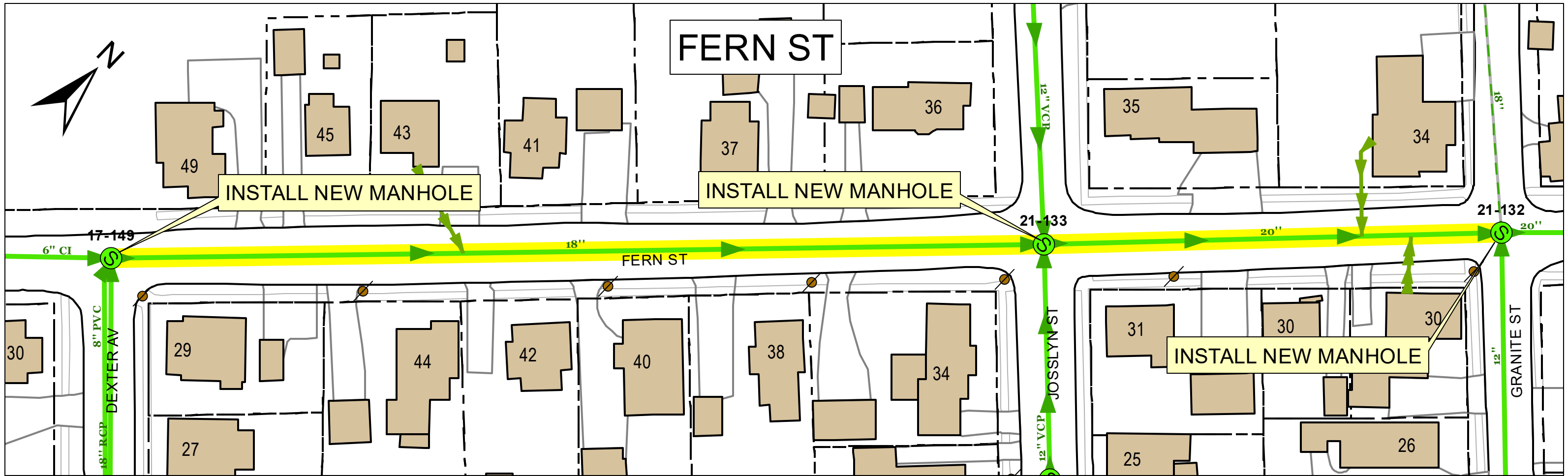
Street	Start point	End Point	Current		Install	Footage	Services		Valves	"T"	Hydrants
			Size				Longside	short side			
Holly Street	Western View	Haskell	8"CI	8"	Bionax	565	6	4	8"(1)	1(8X16")	2
				6"	Bionax	30			6"(2)	2(8X6)	
Fern Street	Lake	Granite	6"CI	6"	Bionax	800	7	6		1(6X6)	
				1 1/2"	CTS	20					
Josslyn	Fern	Court	6"CI	6"	Bionax	800	7	8	6"(3)	1(6X6)	1
Totals						2215					
						0.419508					

- The District will conduct all new main testing
- The District will conduct all main shut downs
- The District will set up, in advance all temporary water services
- The District will supply all infrastructure materials

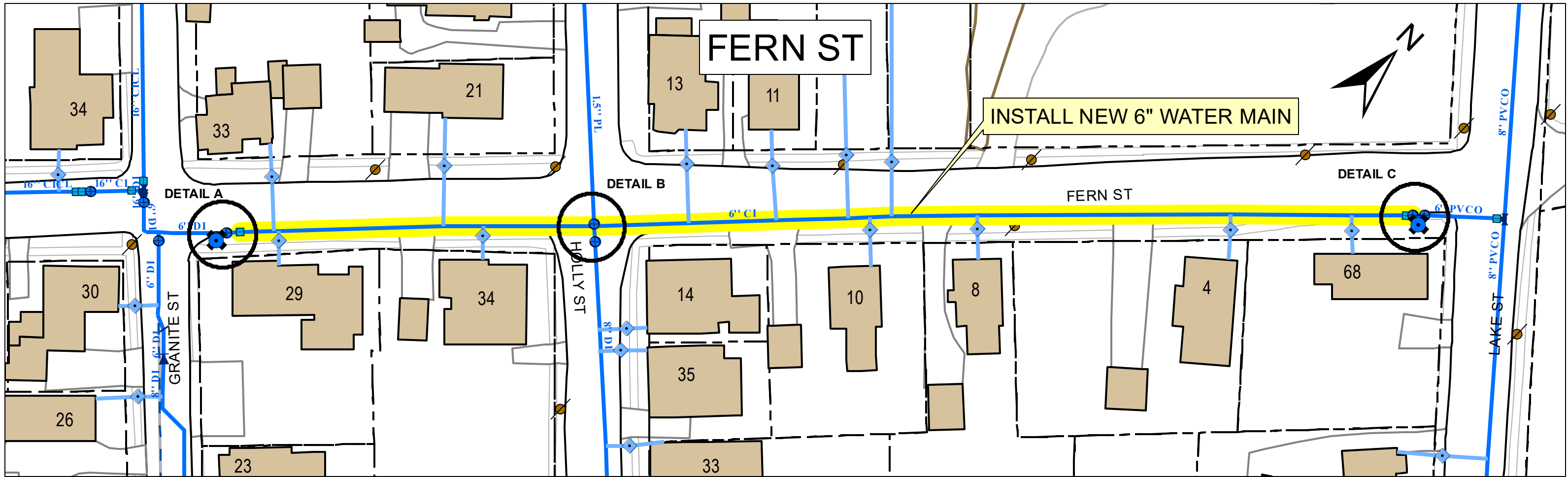
2020 FERN STREET SEWER PROJECTS

Street	Start point	End Point	Current		Replace	Footage	Services
			Size	Install			
Fern Street	Lake Street	Dexter	20"	15"	5	1600	27 (est)

- The District will supply all infrastructure material
- The contractor should provide a price per foot to replace service line if it is determined that the entire portion of the service within the rite-of-way needs to be replaced.

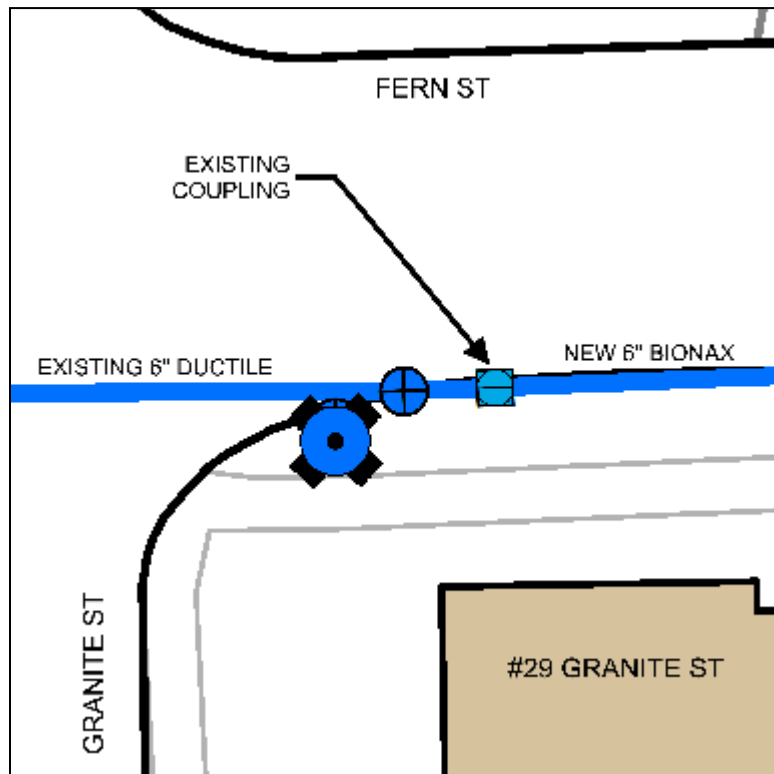


1 inch = 50 feet

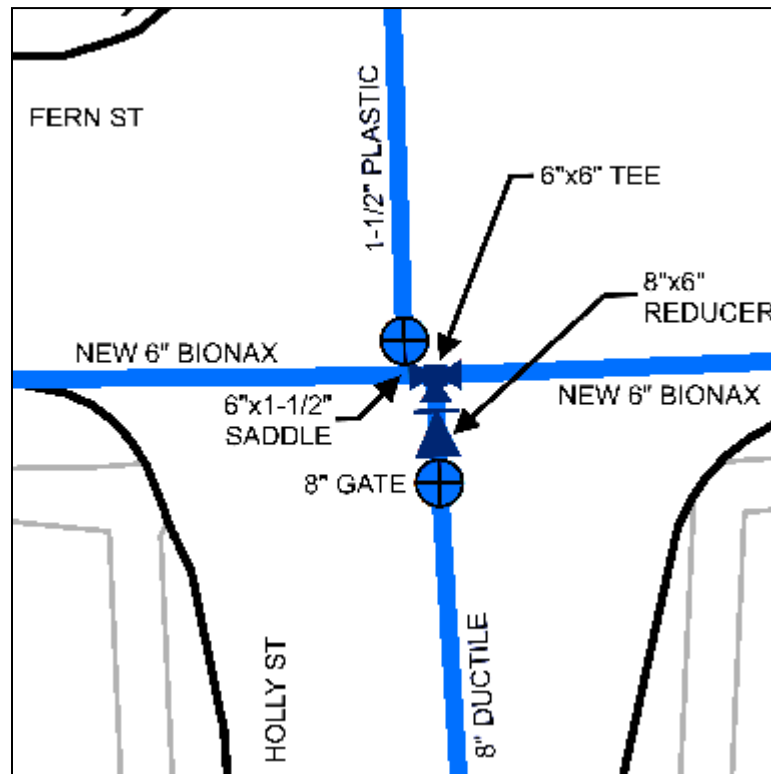


1 inch = 50 feet

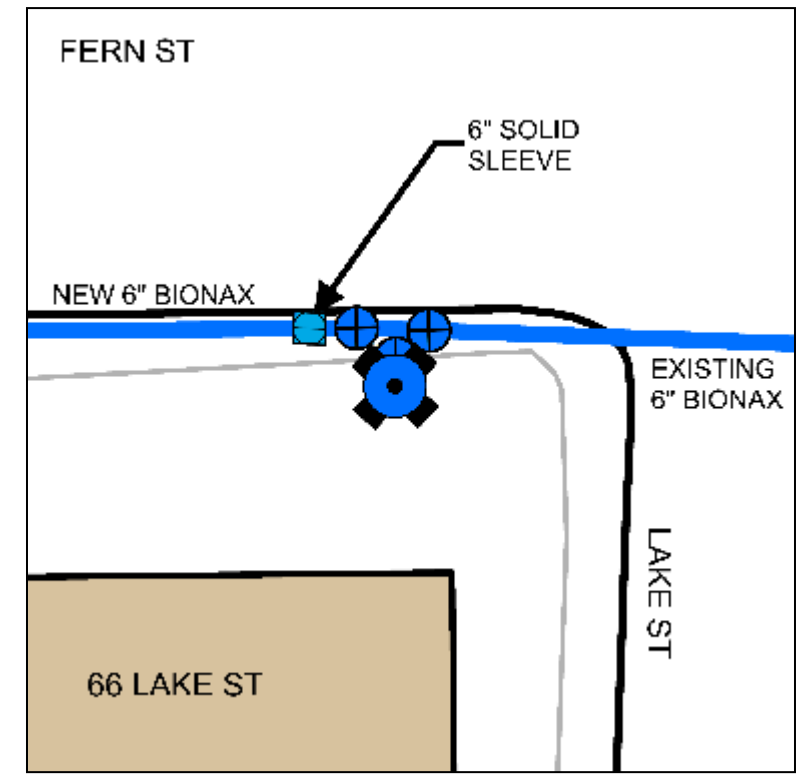
DETAIL A

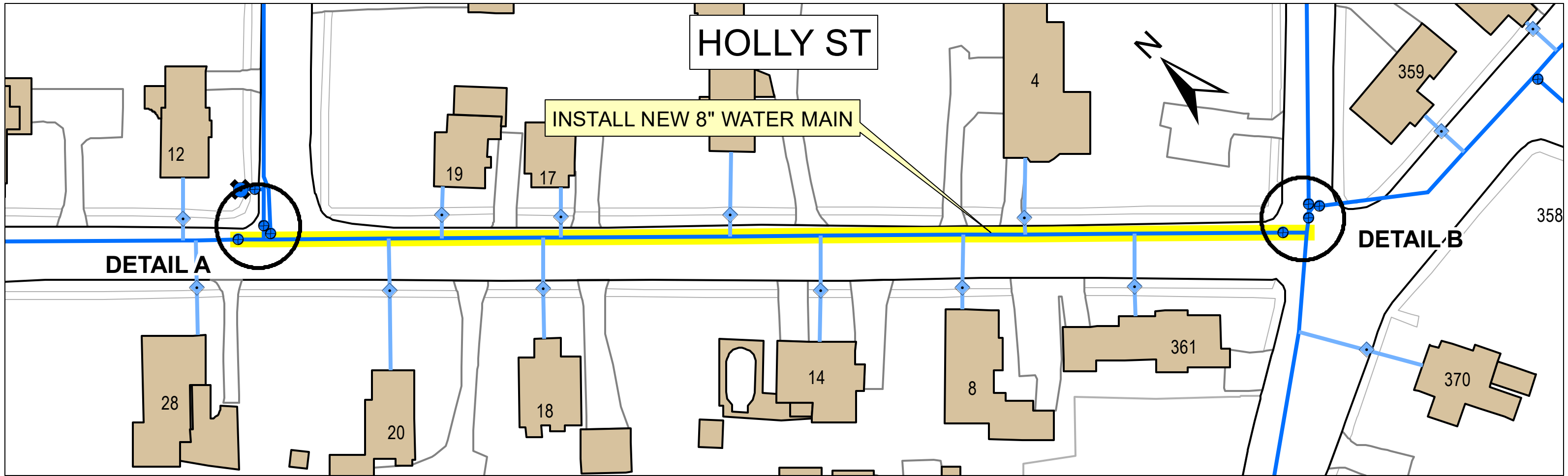


DETAIL B



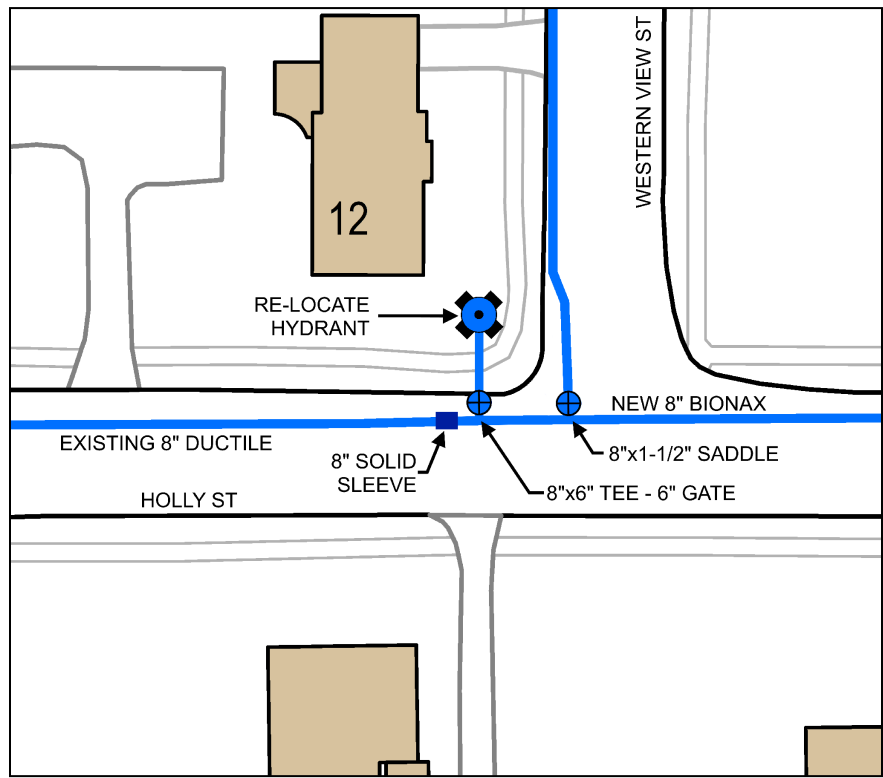
DETAIL C



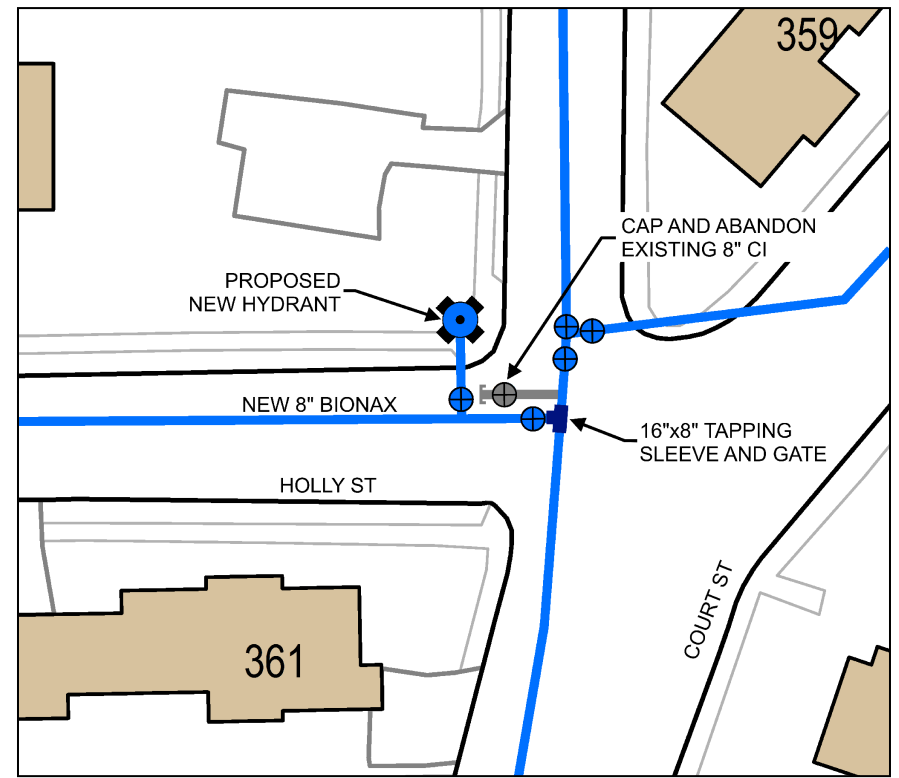


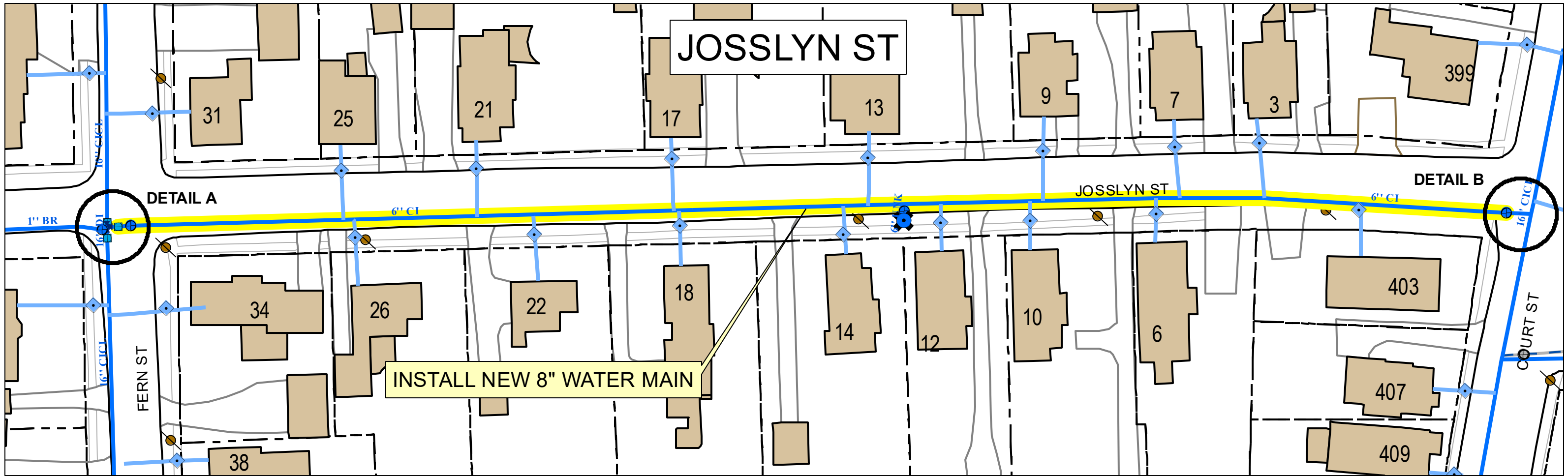
1 INCH = 50 FEET

DETAIL A

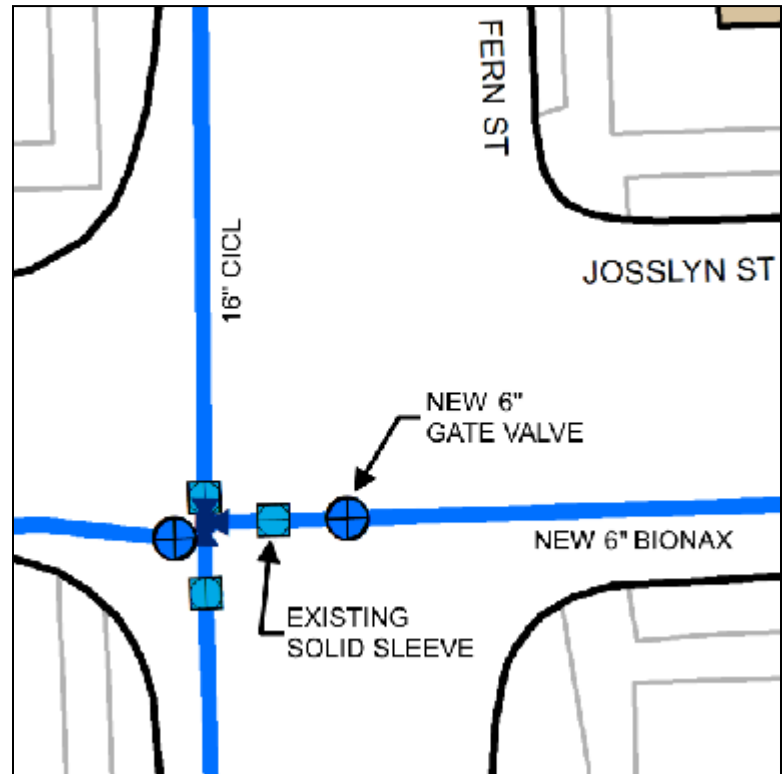


DETAIL B

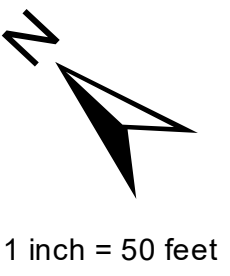
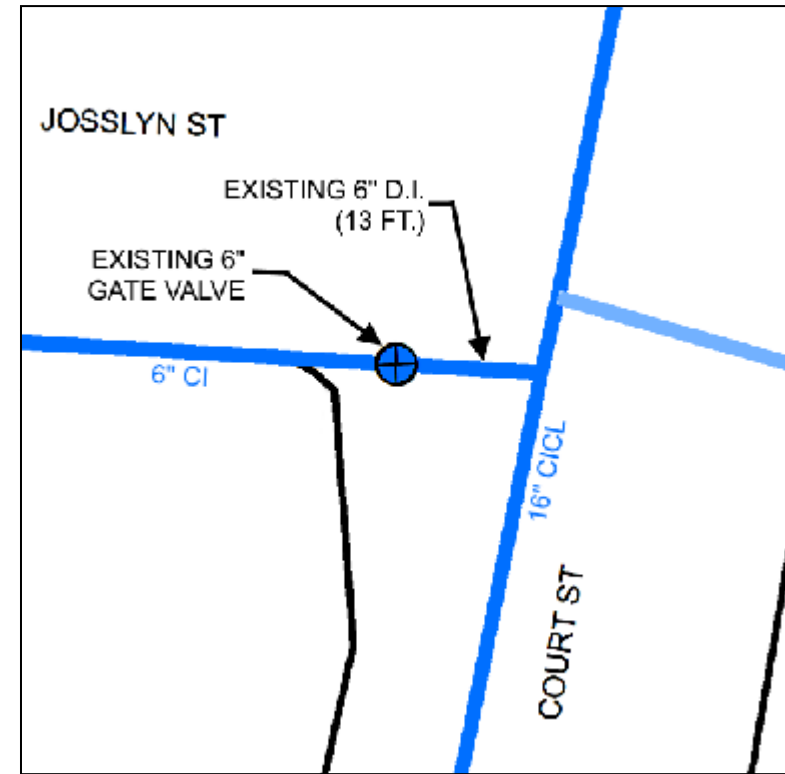




DETAIL A



DETAIL B



1 inch = 50 feet

APPENDIX B

BIONAX PVCO SPECIFICATIONS



BIONAX **PVCO Pressure Pipe**

Short-Form Specification

Scope

This specification provides the requirements for *Bionax* molecularly oriented polyvinyl chloride (PVCO) pipe for potable-water systems and other pressure-pipe applications. *Bionax* Gasketed cast-iron-pipe outside diameter (CIOD) Pressure pipe is available in the following pressure classes and nominal sizes:

- PC 235psi 4" through 18" (100mm – 450mm)
- PC 165psi 16" through 18" (400mm – 450mm)

Materials

Bionax pipe shall be manufactured from rigid polyvinyl chloride (PVC) compound meeting the requirements of ASTM D1784 cell class 12454. *Bionax* gaskets shall meet ASTM F477 for high-head applications.

Hydrostatic Design Basis

Starting-stock for *Bionax* shall have a hydrostatic design basis (HDB) of 4000 psi and finished pipe shall have an HDB of 7100 psi as determined by testing in accordance with ASTM D1598, with data evaluated in accordance with ASTM D2837.

Pipe

Bionax shall be manufactured with cast-iron-pipe outside diameters (CIOD) in all sizes. Pipe walls shall meet minimum thickness requirements for AWWA C909 and CSA B137.3.1. Pipe shall be joined by means of integral-bell elastomeric-gasket joints conforming to ASTM D3139. Spigot ends shall be chamfered by the manufacturer. Pipe ends shall be capped at the production facility prior to storage and shipping.

Standards

PVCO pipe shall conform to the following standards:

- ANSI/NSF 14 Plastics Piping System Components and Related Materials
- ANSI/NSF Standard 61: Drinking Water System Components – Health Effects
- ASTM F1483 Standard Specification for Oriented Poly(Vinylchloride), PVCO, Pressure Pipe (PR 200psi)
- AWWA C909: Molecularly Oriented Polyvinyl Chloride (PVCO) Pressure Pipe, 4 Inch Through 24 Inch (100 mm Through 600 mm) for Water Distribution
- BNQ NQ 3660-950 Safety of Products and Materials in Contact with Drinking Water
- CSA B137.3.1 Molecularly Oriented Polyvinylchloride (PVCO) Pipe for Pressure Applications (PR 1620kPa)
- FM 1612 Polyvinyl Chloride (PVC) Pipe and Fittings for Underground Fire Protection Services (PC 150psi, 4" through 12")

ROMAC INDUSTRIES, INC.

ROMAGRIP™ MECHANICAL JOINT RESTRAINING GLAND FOR STEEL AND DUCTILE IRON SIZE POLYVINYL CHLORIDE (PVC) PIPE 3 THROUGH 12 INCH

SUBMITTAL INFORMATION

USE	The Romac RomaGrip restraining gland is used for the restraint of mechanical joint valves, fittings, and fire hydrants in water transmission and fire protection lines. The RomaGrip replaces costly concrete thrust blocks, corrodible steel tie rods and clamps.
MATERIALS	
Gland	Ductile (nodular) iron, meeting or exceeding ASTM A 536, Grade 65-45-12.
Gaskets	A Romac DI / IPS combination gasket may be used on either DI or IPS size pipe. Gasket compounded for water and sewer in accordance with ASTM D 2000. A standard MJ gasket may be used with this fitting on C900 PVC pipe. An MJ X IPS transition gasket is used for IPS size pipe.
Restraining Bolt	7/8 –9 roll thread, Ductile (nodular) iron, meeting or exceeding ASTM A 536.
Restraining Lugs	Ductile (nodular) iron, meeting or exceeding ASTM A 536. Heat treated using a proprietary process.
Coatings	Shop coat applied to the casting for corrosion protection in transit. Fusion bonded Romabond Polyester coated glands and Xylan coated restraining bolts and lugs optional.

PERFORMANCE

PIPE MATERIAL	PIPE SIZE	WORKING PRESSURE	RECOMMENDED TORQUE FOR T-BOLTS	RECOMMENDED TORQUE FOR RESTRAINING BOLTS
PVC - D.I. SIZE (C900 Class 165)	4" - 12"	RATING OF PIPE	45 - 60 FT-LBS	30 - 40 FT-LBS
PVC - D.I. SIZE (C900 Class 235 & 305)	4" - 12"	RATING OF PIPE	75 - 90 FT-LBS	TORQUE OFF HEADS
PVC - "CLASS PIPE" (IPS Size Less than ASTM D224 Class 160)	3" - 12"	RATING OF PIPE	45 - 60 FT-LBS	30 - 40 FT-LBS
PVC - "CLASS PIPE" (IPS Size ASTM D224 Class 160 & 200)	3"	RATING OF PIPE	45 - 60 FT-LBS	TORQUE OFF HEADS
PVC - "CLASS PIPE" (IPS Size ASTM D224 Class 160 & 200)	4" - 12"	RATING OF PIPE	75 - 90 FT-LBS	TORQUE OFF HEADS
PVC - SCHED. 40 & 80 ASTM D1785	3"	RATING OF PIPE	45 - 60 FT-LBS	TORQUE OFF HEADS
PVC - SCHED. 40 & 80 ASTM D1786	4" - 12"	RATING OF PIPE	75 - 90 FT-LBS	TORQUE OFF HEADS
PVC - D.I. SIZE (C909)	4" - 6"	235 PSI	75 - 90 FT-LBS	30 - 40 FT-LBS
PVC - D.I. SIZE (C909)	8"	235 PSI	75 - 90 FT-LBS	TORQUE OFF HEADS
PVC - D.I. SIZE (C909)	10" - 12"	150 PSI	75 - 90 FT-LBS	TORQUE OFF HEADS
DUCTILE IRON	NOT COMPATABLE WITH RG-PVC			
STEEL				
ASBESTOS CEMENT				
FIBERGLASS				
HDPE				
*PRESSURE RATINGS ARE DESIGNED WITH A 2:1 SAFETY FACTOR / ALLOWABLE DEFLECTION 5 DEGREES 3-12"				

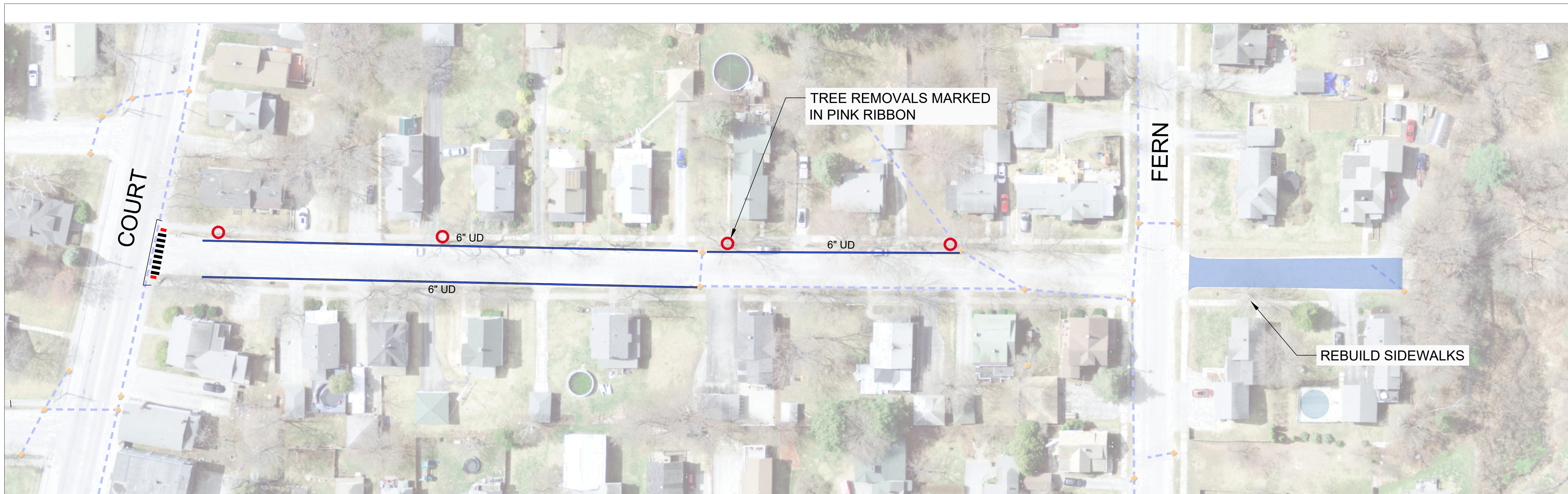
FM Approval

FM approved for AWWA C900 pipe class 150 and 200, 4"-12".

APPENDIX B
RECONSTRUCTION PLANS






HOLLY



JOSSLYN

General Notes

1. ROADWAY BUILDUP
 15" - TYPE D GRAVEL
 3" - TYPE A GRAVEL
 2" - 12.5mm HMA BASE
 1.5" - 9.5mm HMA SURFACE
2. SIDEWALK BUILDUP
 12" - TYPE A GRAVEL
 2" - 9.5mm HMA
3. DRIVEWAY BUILDUP
 12" - TYPE A GRAVEL
 2" - 12.5mm HMA BASE
 1" - 9.5mm HMA SURFACE
4. ROADWAY WIDTH:
 HOLLY:28'
 JOSSLYN:.....30'
 FERN:.....29'
5. 6" UNDERDRAIN SHALL BE CONNECTED TO UPGRADIENT CATCH BASINS IF PRACTICAL
6. 6" UNDERDRAIN SHALL HAVE FABRIC SOCK

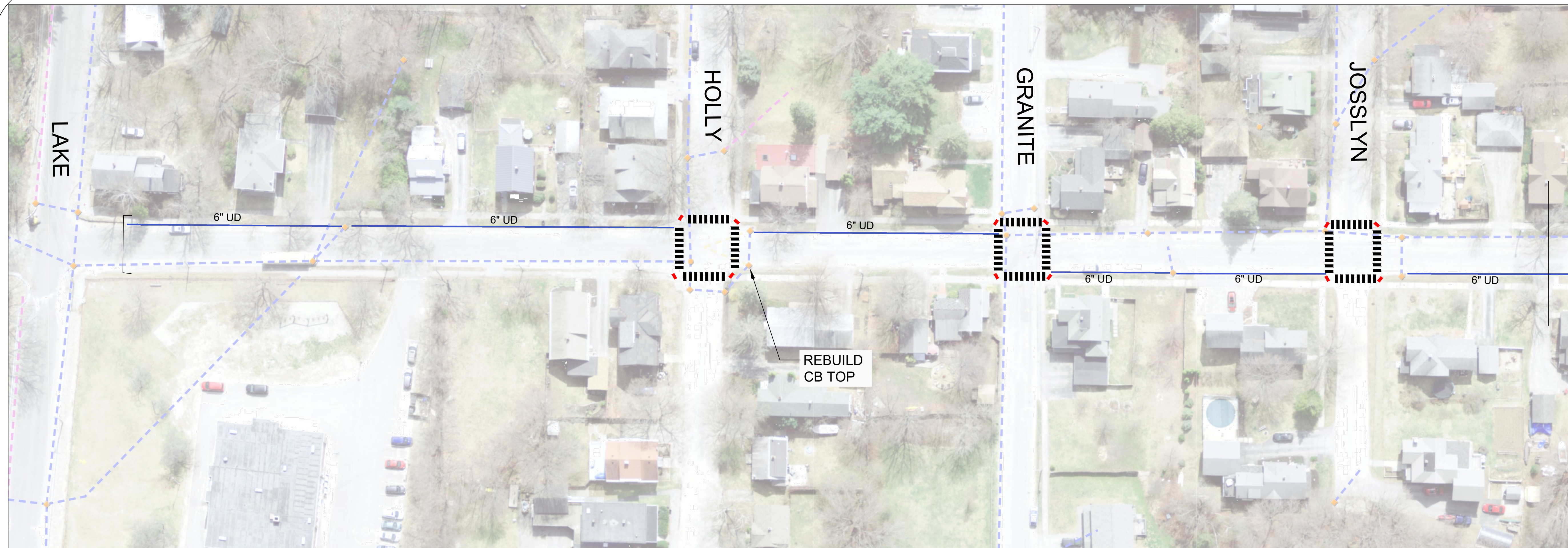
- 6" TYPE B UNDERDRAIN 
- REMOVE TREE & STUMP 
- OVERLAY LOCATIONS 

No.	Revision/Issue	Date

Firm Name and Address


Project Name and Address
 2020 RECONSTRUCTION PROJECT
 AUBURN, ME 04210


Project 2020 RECONSTRUCTION PROJECT	Sheet C01
Date 03/30/2020	C01
Scale 1" = 40'	




General Notes

1. ROADWAY BUILDUP
 15" - TYPE D GRAVEL
 3" - TYPE A GRAVEL
 2" - 12.5mm HMA BASE
 1.5" - 9.5mm HMA SURFACE
2. SIDEWALK BUILDUP
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3. DRIVEWAY BUILDUP
 12" - TYPE A GRAVEL
 2" - 12.5mm HMA BASE
 1" - 9.5mm HMA SURFACE
4. ROADWAY WIDTH:
 HOLLY.....28'
 JOSSLYN.....30'
 FERN.....29'
5. 6" UNDERDRAIN SHALL BE CONNECTED TO UPGRADIENT CATCH BASINS IF PRACTICAL
6. 6" UNDERDRAIN SHALL HAVE FABRIC SOCK

6" TYPE B UNDERDRAIN 

REMOVE TREE & STUMP 

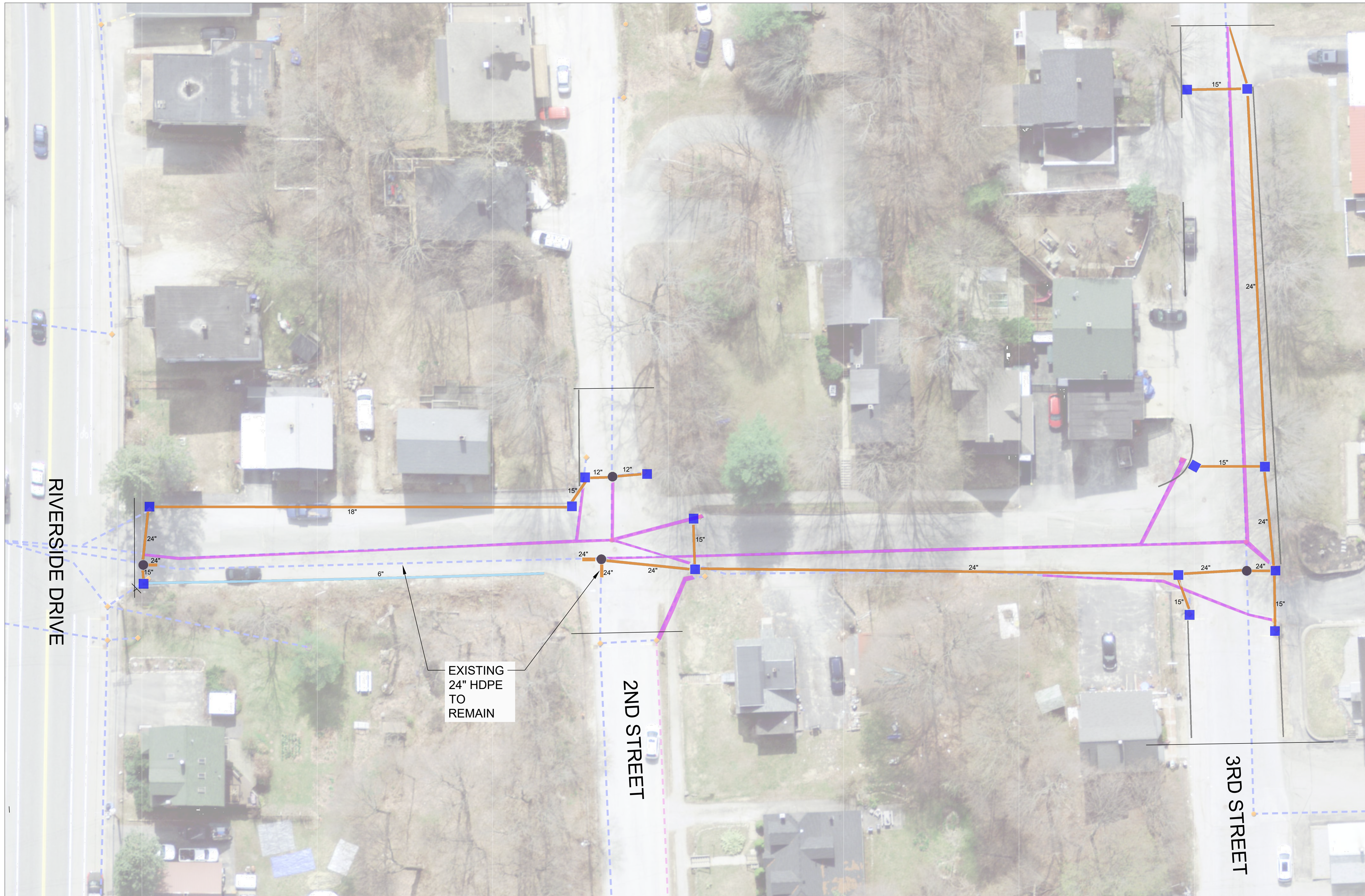
OVERLAY LOCATIONS 

No.	Revision/Issue	Date

Firm Name and Address

Project Name and Address
 2020 RECONSTRUCTION PROJECT
 AUBURN, ME 04210

Project 2020 RECONSTRUCTION PROJECT	Sheet
Date 03/30/2020	C02
Scale 1" = 40'	



General Notes

1. ROADWAY BUILDUP
 - 15" - TYPE D GRAVEL
 - 3" - TYPE A GRAVEL
 - 2" - 12.5mm HMA BASE
 - 1.5" - 9.5mm HMA SURFACE
2. SIDEWALK BUILDUP
 - 12" - TYPE A GRAVEL
 - 2" - 9.5mm HMA
3. DRIVEWAY BUILDUP
 - 12" - TYPE A GRAVEL
 - 2" - 12.5mm HMA BASE
 - 1" - 9.5mm HMA SURFACE

- 6" TYPE B UNDERDRAIN
- HDPE CARRYING PIPE
- GRANITE CURB
- 6' DRAINAGE MANHOLE
- CATCH BASIN
- PIPE REMOVAL

No.	Revision/Issue	Date

Firm Name and Address

Project Name and Address
 2020 RECONSTRUCTION PROJECT
 AUBURN, ME 04210

Project 2020 RECONSTRUCTION PROJECT	Sheet C03
Date 03/30/2020	
Scale 1" = 20'	