



Purchasing Division

## Invitation for Bid

IFB-4773-20-DH  
2020 Alley Improvement District

### **Responses Due:**

April 10, 2020 prior to 330pm

**Accepting Electronic Responses Only**

**Responses Only Submitted Through the Rocky Mountain E-Purchasing System (RMEPS)**

**<https://www.rockymountainbidsystem.com/default.asp>**

(Purchasing Representative does not have access or control of the vendor side of RMEPS. If website or other problems arise during response submission, vendor **MUST** contact RMEPS to resolve issue prior to the response deadline. 800-835-4603)

### **Purchasing Representative:**

Duane Hoff Jr., Senior Buyer

**[duaneh@gjcity.org](mailto:duaneh@gjcity.org)**

970-244-1545

This document has been developed specifically to solicit competitive responses for this solicitation, and may not be the same as previous City of Grand Junction solicitations. All vendors are urged to thoroughly review this solicitation prior to responding. Submittal by **FAX, EMAIL or HARD COPY IS NOT ACCEPTABLE** for this solicitation.

# Invitation for Bids

## Table of Contents

Section 1	Instruction to Bidders
Section 2	General Contract Conditions
Section 3	Statement of Work
Section 4	Contractor's Bid Form
	Price Proposal/Bid Schedule Form
	Appendix
	Attachments

# **1. Instructions to Bidders**

- 1.1. **Purpose:** The City of Grand Junction is soliciting competitive bids from qualified and interested companies for all labor, equipment, and materials required for the construction of the concrete alley between Ute Avenue and Pitken Avenue from 10<sup>th</sup> Street to 11<sup>th</sup> Street. All dimensions and scope of work should be verified by Contractors prior to submission of bids.

## **IFB Questions:**

Duane Hoff Jr., Senior Buyer  
[duaneh@gjcity.org](mailto:duaneh@gjcity.org)

The City would like to remind all Contractors, Sub-Contractors, Vendors, Suppliers, Manufacturers, Service Providers, etc. that (with the exception of Pre-Bid or Site Visit Meetings) all questions, inquiries, comments, or communication pertaining to any formal solicitation (whether process, specifications, scope, etc.) must be directed (in writing) to the Purchasing Agent assigned to the project, or Purchasing Division. Direct communication with the City assigned Project Managers/Engineers is not appropriate for public procurement, and may result in disqualification.

- 1.2. **Mandatory Pre-Bid Meeting:** Prospective bidders are required to attend a mandatory pre-bid meeting on March 24, 2020 at 3:00pm. Meeting location shall be in the City Hall Auditorium, located at 250 N. 5<sup>th</sup> Street, Grand Junction, CO. The purpose of this visit will be to inspect and to clarify the contents of this Invitation for Bids (IFB).
- 1.3. **The Owner:** The Owner is the City of Grand Junction, Colorado and is referred to throughout this Solicitation. The term Owner means the Owner or his authorized representative.
- 1.4. **Procurement Process:** Procurement processes shall be governed by the most current version of the City of Grand Junction [Purchasing Policy and Procedure Manual](#).
- 1.5. **Submission:** Each bid shall be submitted in electronic format only, and only through the Rocky Mountain E-Purchasing website (<https://www.rockymountainbidssystem.com/default.asp>). This site offers both “free” and “paying” registration options that allow for full access of the Owner’s documents and for electronic submission of proposals. (Note: “free” registration may take up to 24 hours to process. Please Plan accordingly.) Please view our “**Electronic Vendor Registration Guide**” at <http://www.gjcity.org/business-and-economic-development/bids/> for details. (Purchasing Representative does not have access or control of the vendor side of RMEPS. If website or other problems arise during response submission, vendor **MUST** contact RMEPS to resolve issue prior to the response deadline. **800-835-4603**)
- 1.6. **Modification and Withdrawal of Bids Before Opening.** Bids may be modified or withdrawn by an appropriate document stating such, duly executed and submitted to the place where Bids are to be submitted at any time prior to Bid Opening.

- 1.7. Printed Form for Price Bid:** All Price Bids must be made upon the Price Bid Schedule attached, and should give the amounts both in words and in figures, and must be signed and acknowledged by the bidder.

The Offeror shall specify a unit price in figures for each pay item for which a quantity is given and shall provide the products (in numbers) of the respective unit prices and quantities in the Extended Amount column. The total Bid price shall be equal to the sum of all extended amount prices. When an item in the Price Bid Schedule provides a choice to be made by the Offeror, Offeror's choice shall be indicated in accordance with the specifications for that particular item and thereafter no further choice shall be permitted.

Where the unit of a pay item is lump sum, the lump sum amount shall be shown in the "extended amount" column and included in the summation of the total Bid.

All blank spaces in the Price Bid Schedule must be properly filled out.

Bids by corporations must be executed in the corporate name by the president or vice president or other corporate office accompanied by evidence of authority to sign. The corporate address and state of incorporation shall be shown below the signature.

Bids by partnerships must be executed in the partnership name and signed by a partner whose title must appear under the signature and the official address of the partnership must be shown below the signature.

All names must be typed or printed below the signature.

The Offeror's Bid shall contain an acknowledgement of receipt of all Addenda, the numbers of which shall be filled in on the Contractor's Bid Form.

The contact information to which communications regarding the Bid are to be directed must be shown.

- 1.8. Exclusions:** No oral, telephonic, emailed, or facsimile bid will be considered
- 1.9. Contract Documents:** The complete IFB and bidder's response compose the Contract Documents. Copies of bid documents can be obtained from the City Purchasing website, <http://www.gjcity.org/business-and-economic-development/bids/> .
- 1.10. Additional Documents:** The July 2010 edition of the "City Standard Contract Documents for Capital Improvements Construction", Plans, Specifications and other Bid Documents are available for review or download on the Public Works & Planning/Engineering page at [www.gjcity.org](http://www.gjcity.org). Electronic copies may be obtained on a CD format at the Department of Public Works and Planning at City Hall.
- 1.11. Definitions and Terms:** See Article I, Section 3 of the General Contract Conditions in the *Standard Contract Documents for Capital Improvements Construction*.
- 1.12. Examination of Specifications:** Bidders shall thoroughly examine and be familiar with the project Statement of Work. The failure or omission of any Offeror to receive or

examine any form, addendum, or other document shall in no way relieve any Offeror from any obligation with respect to his bid. The submission of a bid shall be taken as evidence of compliance with this section. Prior to submitting a bid, each Offeror shall, at a minimum:

- a. Examine the *Contract Documents* thoroughly;
- b. Visit the site to familiarize themselves with local conditions that may in any manner affect cost, progress, or performance of the Work;
- c. Become familiar with federal, state, and local laws, ordinances, rules, and regulations that may in any manner affect cost, progress or performance of the Work;
- d. Study and carefully correlate Bidder's observations with the *Contract Documents*, and;
- e. Notify the Purchasing Agent of all conflicts, errors, ambiguities or discrepancies in or among the *Contract Documents* within the designated inquiry period.

On request, the Owner will provide each Offeror access to the site to conduct such investigations and tests as each Bidder deems necessary for submission of a Bid. It shall be the Offeror's responsibility to make or obtain any additional examinations, investigations, explorations, tests and studies and obtain any additional information and data which pertain to the physical conditions (including without limitation, surface, subsurface and underground utilities) at or contiguous to the site or otherwise which may affect cost, progress or performance of the work and which the Offeror deems necessary to determine its Bid for performing the work in accordance with the time, price and other terms and conditions of the *Contract Documents*. Location of any excavation or boring made by Offeror shall be subject to prior approval of Owner and applicable agencies. Offeror shall fill all holes, restore all pavements to match the existing structural section and shall clean up and restore the site to its former condition upon completion of such exploration. The Owner reserves the right to require the Offeror to execute an access agreement with the Owner prior to accessing the site.

The lands upon which the Work is to be performed, rights of way, and access thereto, and other lands designated for use by Contractor in performing the Work, are identified on the Drawings.

Information and data reflected in the *Contract Documents* with respect to underground utilities at or contiguous to the site are based upon information and data furnished to the Owner and the Engineer by the owners of such underground utilities or others, and the Owner does not assume responsibility for the accuracy or completeness thereof, unless it is expressly provided otherwise in the *Contract Documents*.

By submission of a Bid, the Offeror shall be conclusively presumed to represent that the Offeror has complied with every requirement of these Instructions to Bidders, that the *Contract Documents* are not ambiguous and are sufficient in scope and detail to

indicate and convey understanding of all terms and conditions for performance of the Work.

- 1.13. Questions Regarding Statement of Work:** Any information relative to interpretation of Scope of Work or specifications shall be requested of the Purchasing Representative, in writing, in ample time, prior to the inquiry deadline.
- 1.14. Addenda & Interpretations:** If it becomes necessary to revise any part of this solicitation, a written addendum will be posted electronically on the City's website at <http://www.gjcity.org/business-and-economic-development/bids/>. The Owner is not bound by any oral representations, clarifications, or changes made in the written specifications by Owner, unless such clarification or change is provided in written addendum form from the City Purchasing Representative.
- 1.15. Taxes:** The Owner is exempt from State retail and Federal tax. The bid price must be net, exclusive of taxes.
- 1.16. Sales and Use Taxes:** The Contractor and all Subcontractors are required to obtain exemption certificates from the Colorado Department of Revenue for sales and use taxes in accordance with the provisions of the General Contract Conditions. Bids shall reflect this method of accounting for sales and use taxes on materials, fixtures and equipment.
- 1.17. Offers Binding 60 Days:** Unless additional time is required by the Owner, or otherwise specified, all formal offers submitted shall be binding for sixty (60) calendar days following opening date, unless the Bidder, upon request of the Purchasing Representative, agrees to an extension.
- 1.18. Exceptions and Substitutions:** Bidders taking exception to the specifications and/or scope of work shall do so at their own risk. The Owner reserves the right to accept or reject any or all substitutions or alternatives. When offering substitutions and/or alternatives, Bidder must state these exceptions in the section pertaining to that area. Exception/substitution, if accepted, must meet or exceed the stated intent and/or specifications and/or scope of work. The absence of such a list shall indicate that the Bidder has not taken exceptions, and if awarded a contract, shall hold the Bidder responsible to perform in strict accordance with the specifications and/or scope of work contained herein.
- 1.19. Collusion Clause:** Each bidder by submitting a bid certifies that it is not party to any collusive action or any action that may be in violation of the Sherman Antitrust Act. Any and all bids shall be rejected if there is evidence or reason for believing that collusion exists among bidders. The Owner may, or may not, accept future bids for the same services or commodities from participants in such collusion.
- 1.20. Disqualification of Bidders:** A Bid will not be accepted from, nor shall a Contract be awarded to, any person, firm, or corporation that is in arrears to the Owner, upon debt or contract, or that has defaulted, as surety or otherwise, upon any obligation to the Owner, or that is deemed irresponsible or unreliable.

Bidders may be required to submit satisfactory evidence that they are responsible, have a practical knowledge of the project bid upon and that they have the necessary financial and other resources to complete the proposed Work.

Either of the following reasons, without limitation, shall be considered sufficient to disqualify a Bidder and Bid:

- a. More than one Bid is submitted for the same Work from an individual, firm, or corporation under the same or different name; and
- b. Evidence of collusion among Bidders. Any participant in such collusion shall not receive recognition as a Bidder for any future work of the Owner until such participant has been reinstated as a qualified bidder.

**1.21. Public Disclosure Record:** If the bidder has knowledge of their employee(s) or sub-contractors having an immediate family relationship with a City employee or elected official, the bidder must provide the Purchasing Representative with the name(s) of these individuals. These individuals are required to file an acceptable "Public Disclosure Record", a statement of financial interest, before conducting business with the City.

## **2. General Contract Conditions for Construction Projects**

**2.1. The Contract:** This Invitation for Bid, submitted documents, and any negotiations, when properly accepted by the City, shall constitute a contract equally binding between the City and Contractor. The contract represents the entire and integrated agreement between the parties hereto and supersedes all prior negotiations, representations, or agreements, either written or oral. The contract may be amended or modified with Change Orders, Field Orders, or Addendums.

**2.2. The Work:** The term Work includes all labor necessary to produce the construction required by the Contract Documents, and all materials and equipment incorporated or to be incorporated in such construction.

**2.3. Execution, Correlation, Intent, and Interpretations:** The Contract Documents shall be signed by the Owner (City) and Contractor. City will provide the contract. By executing the contract, the Contractor represents that he/she has visited the site, familiarized himself with the local conditions under which the Work is to be performed, and correlated his observations with the requirements of the Contract Documents. The Contract Documents are complementary, and what is required by any one, shall be as binding as if required by all. The intention of the documents is to include all labor, materials, equipment and other items necessary for the proper execution and completion of the scope of work as defined in the technical specifications and drawings contained herein. All drawings, specifications and copies furnished by the City are, and shall remain, City property. They are not to be used on any other project, and with the exception of one contract set for each party to the contract, are to be returned to the owner on request at the completion of the work.

- 2.4. The Owner:** The Owner is the City of Grand Junction, Colorado and is referred to throughout the Contract Documents. The term Owner means the Owner or his authorized representative. The Owner shall, at all times, have access to the work wherever it is in preparation and progress. The Contractor shall provide facilities for such access. The Owner will make periodic visits to the site to familiarize himself generally with the progress and quality of work and to determine, in general, if the work is proceeding in accordance with the contract documents. Based on such observations and the Contractor's Application for Payment, the Owner will determine the amounts owing to the Contractor and will issue Certificates for Payment in such amounts, as provided in the contract. The Owner will have authority to reject work which does not conform to the Contract documents. Whenever, in his reasonable opinion, he considers it necessary or advisable to insure the proper implementation of the intent of the Contract Documents, he will have authority to require the Contractor to stop the work or any portion, or to require special inspection or testing of the work, whether or not such work can be then be fabricated, installed, or completed. The Owner will not be responsible for the acts or omissions of the Contractor, and sub-Contractor, or any of their agents or employees, or any other persons performing any of the work.
- 2.5. Contractor:** The Contractor is the person or organization identified as such in the Agreement and is referred to throughout the Contract Documents. The term Contractor means the Contractor or his authorized representative. The Contractor shall carefully study and compare the General Contract Conditions of the Contract, Specification and Drawings, Scope of Work, Addenda and Modifications and shall at once report to the Owner any error, inconsistency or omission he may discover. Contractor shall not be liable to the Owner for any damage resulting from such errors, inconsistencies or omissions. The Contractor shall not commence work without clarifying Drawings, Specifications, or Interpretations.
- 2.6. Sub-Contractors:** A sub-contractor is a person or organization who has a direct contract with the Contractor to perform any of the work at the site. The term sub-contractor is referred to throughout the contract documents and means a sub-contractor or his authorized representative.
- 2.7. Award of Sub-Contractors & Other Contracts for Portions of the Work:** Contractor shall submit with their bid response to the Owner, in writing for acceptance, a list of the names of the sub-contractors or other persons or organizations proposed for such portions of the work as may be designated in the proposal requirements, or, if none is so designated, the names of the sub-contractors proposed for the principal portions of the work. Prior to the award of the contract, the Owner shall notify the successful Contractor in writing if, after due investigation, has reasonable objection to any person or organization on such list. If, prior to the award of the contract, the Owner has a reasonable and substantial objection to any person or organization on such list, and refuses in writing to accept such person or organization, the successful Contractor may, prior to the award, withdraw their proposal without forfeiture of proposal security. If the successful Contractor submits an acceptable substitute with an increase in the proposed price to cover the difference in cost occasioned by the substitution, the Owner may, at their discretion, accept the increased proposal or may disqualify the Contractor. If, after the award, the Owner refuses to accept any person or organization on such list, the Contractor shall submit an acceptable substitute and the contract sum shall be increased



or decreased by the difference in cost occasioned by such substitution and an appropriate Change Order shall be issued. However, no increase in the contract sum shall be allowed for any such substitution unless the Contractor has acted promptly and responsively in submitting a name with respect thereto prior to the award.

- 2.8. Quantities of Work and Unit Price:** Materials or quantities stated as unit price items in the Bid are supplied only to give an indication of the general scope of the Work, and are as such, estimates only. The Owner does not expressly or by implication agree that the actual amount of Work or material will correspond therewith, and reserves the right after award to increase or decrease the quantity of any unit item of the Work without a change in the unit price except as set forth in Article VIII, Section 70 of the *General Contract Conditions*. The City also reserves the right to make changes in the Work (including the right to delete any bid item in its entirety or add additional bid items) as set forth in Article VIII, Sections 69 through 71 of the *General Contract Conditions*.
- 2.9. Substitutions:** The materials, products and equipment described in the *Solicitation Documents* shall be regarded as establishing a standard of required performance, function, dimension, appearance, or quality to be met by any proposed substitution. No substitution will be considered prior to receipt of Bids unless the Offeror submits a written request for approval to the City Purchasing Division at least ten (10) days prior to the date for receipt of Bids. Such requests for approval shall include the name of the material or equipment for which substitution is sought and a complete description of the proposed substitution including drawings, performance and test data, and other information necessary for evaluation, including samples if requested. The Offeror shall set forth changes in other materials, equipment, or other portions of the Work including changes of the work of other contracts, which incorporation of the proposed substitution would require to be included. The Owner's decision of approval or disapproval of a proposed substitution shall be final. If the Owner approves a proposed substitution before receipt of Bids, such approval will be set forth in an Addendum. Offerors shall not rely upon approvals made in any other manner.
- 2.10. Supervision and Construction Procedures:** The Contractor shall supervise and direct the work, using his best skill and attention. He shall be solely responsible for all construction means, methods, techniques, sequences and procedures and for coordinating all portions of the work under the contract.
- 2.11. Warranty:** The Contractor warrants to the Owner that all materials and equipment furnished under this contract will be new unless otherwise specified, and that all work will be of good quality, free from faults and defects and in conformance with the Contract Documents. All work not so conforming to these standards may be considered defective. If required by Owner, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment. If within ten (10) days after written notice to the Contractor requesting such repairs or replacement, the Contractor should neglect to make or undertake with due diligence to the same, the City may make such repairs or replacements. All indirect and direct costs of such correction or removal or replacement shall be at the Contractor's expense. The Contractor will also bear the expenses of making good all work of others destroyed or damaged by the correction, removal or replacement of his defective work.

- 2.12. Permits, Fees, & Notices:** The Contractor shall secure and pay for all permits, governmental fees and licenses necessary for the proper execution and completion of the work. The Contractor shall give all notices and comply with all laws, ordinances, rules, regulations and orders of any public authority bearing on the performance of the work. If the Contractor observes that any of the Contract Documents are at variance in any respect, he shall promptly notify the Owner in writing, and any necessary changes shall be adjusted by approximate modification. If the Contractor performs any work knowing it to be contrary to such laws, ordinances, rules and regulations, and without such notice to the Owner, he shall assume full responsibility and shall bear all costs attributable.
- 2.13. Responsibility for Those Performing the Work:** The Contractor shall be responsible to the Owner for the acts and omissions of all his employees and all sub-contractors, their agents and employees, and all other persons performing any of the work under a contract with the Contractor.
- 2.14. Use of the Site:** The Contractor shall confine operations at the site to areas permitted by law, ordinances, permits and the Contract Documents, and shall not unreasonably encumber the site with any materials or equipment.
- 2.15. Cleanup:** The Contractor at all times shall keep the premises free from accumulation of waste materials or rubbish caused by his operations. At the completion of work he shall remove all his waste materials and rubbish from and about the project, as well as all his tools, construction equipment, machinery and surplus materials.
- 2.16. Insurance:** The Contractor shall secure and maintain such insurance policies as will provide the coverage and contain other provisions specified in the General Contract Conditions, or as modified in the Special Contract Conditions.
- The Contractor shall file a copy of the policies or Certificates of Insurance acceptable to the City with the Engineer within ten (10) Calendar Days after issuance of the Notice of Award. These Certificates of Insurance shall contain a provision that coverage afforded under the policies shall not be canceled unless at least thirty (30) Calendar Days prior written notice has been given to the City.
- 2.17. Indemnification:** The Contractor shall defend, indemnify and save harmless the Owner, and all its officers, employees, insurers, and self-insurance pool, from and against all liability, suits, actions, or other claims of any character, name and description brought for or on account of any injuries or damages received or sustained by any person, persons, or property on account of any negligent act or fault of the Contractor, or of any Contractor's agent, employee, sub-contractor or supplier in the execution of, or performance under, any contract which may result from proposal award. Contractor shall pay any judgment with cost which may be obtained against the Owner growing out of such injury or damages.
- 2.18. Miscellaneous Conditions: Material Availability:** Contractors must accept responsibility for verification of material availability, production schedules, and other pertinent data prior to submission of bid. It is the responsibility of the bidder to notify the Owner immediately if materials specified are discontinued, replaced, or not available for

an extended period of time. **OSHA Standards:** All bidders agree and warrant that services performed in response to this invitation shall conform to the standards declared by the US Department of Labor under the Occupational Safety and Health Act of 1970 (OSHA). In the event the services do not conform to OSHA standards, the Owner may require the services to be redone at no additional expense to the Owner.

- 2.19. Time:** Time is of the essence with respect to the time of completion of the Project and any other milestones or deadline which are part of the Contract. It will be necessary for each Bidder to satisfy the City of its ability to complete the Work within the Contract Time set forth in the Contract Documents. The Contract Time is the period of time allotted in the Contract Documents for completion of the work. The date of commencement of the work is the date established in a Notice to Proceed. If there is no Notice to Proceed, it shall be the date of the Contract or such other date as may be established therein, or as established as entered on the Bid Form. The Date of Final Completion of the work is the date certified by the Owner when all construction, and all other work associated to include, but not be limited to: testing, QA/QC, receipt of required reports and/or forms, grant requirements (if applicable), punch list items, clean-up, receipt of drawings and/or as-builts, etc., is fully complete, and in accordance with the Contract Documents.
- 2.20. Progress & Completion:** The Contractor shall begin work on the date of commencement as defined in the Contract, and shall carry the work forward expeditiously with adequate forces and shall complete it within the contract time.
- 2.21. Payment & Completion:** The Contract Sum is stated in the Contract and is the total amount payable by the Owner to the Contractor for the performance of the work under the Contract Documents. Upon receipt of written notice that the work is ready for final inspection and acceptance and upon receipt of application for payment, the Owner's Project Manager will promptly make such inspection and, when he finds the work acceptable under the Contract Documents and the Contract fully performed, the Owner shall make payment in the manner provided in the Contract Documents.
- 2.22. Bid Bond:** Each Bid shall as a guaranty of good faith on the part of the Bidder be accompanied by a Bid Guaranty consisting of: a certified or cashier's check drawn on an approved national bank or trust company in the state of Colorado, and made payable without condition to the City; or a **Bid Bond** written by an approved corporate surety in favor of the City. The amount of the Bid Guaranty shall not be less than 5% of the total Bid amount. Once a Bid is accepted and a Contract is awarded, the apparent successful bidder has ten calendar days to enter into a contractor in the form prescribed and to furnish the bonds with a legally responsible and approved surety. Failure to do so will result in forfeiture of the Bid Guaranty to the City as Liquidated Damages.

Each bidder shall guaranty its total bid price for a period of sixty (60) Calendar Days from the date of the bid opening.

- 2.23. Performance & Payment Bonds:** Contractor shall furnish a Performance and a Payment Bond, each in an amount at least equal to that specified for the contract amount as security for the faithful performance and payment of all Contractor's obligations under the Contract Documents. These bonds shall remain in effect for the duration of the Warranty Period (as specified in the Special Conditions). Contractor shall also furnish

other bonds that may be required by the Special Conditions. All bonds shall be in the forms prescribed by the Contract Documents and be executed by such sureties as (1) are licensed to conduct business in the State of Colorado and (2) are named in the current list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 (amended) by the Audit Staff, Bureau of Accounts, U.S. Treasury Department. All bonds signed by an agent must be accompanied by a certified copy of the Authority Act. If the surety on any bond furnished by the Contractor is declared bankrupt, or becomes insolvent, or its rights to do business in Colorado are terminated, or it ceases to meet the requirements of clauses (1) and (2) of this section, Contractor shall within five (5) days thereafter substitute another bond and surety, both of which shall be acceptable to the City.

**2.24. Retention:** The Owner will deduct money from the partial payments in amounts considered necessary to protect the interest of the Owner and will retain this money until after completion of the entire contract. The amount to be retained from partial payments will be five (5) percent of the value of the completed work, and not greater than five (5) percent of the amount of the Contract. When the retainage has reached five (5) percent of the amount of the Contract no further retainage will be made and this amount will be retained until such time as final payment is made.

**2.25. Liquidated Damages for Failure to Enter Into Contract:** Should the Successful Bidder fail or refuse to enter into the Contract within ten Calendar Days from the issuance of the Notice of Award, the City shall be entitled to collect the amount of such Bidder's Bid Guaranty as Liquidated Damages, not as a penalty but in consideration of the mutual release by the City and the Successful Bidder of all claims arising from the City's issuance of the Notice of Award and the Successful Bidder's failure to enter into the Contract and the costs to award the Contract to any other Bidder, to readvertise, or otherwise dispose of the Work as the City may determine best serves its interest.

**2.26. Liquidated Damages for Failure to Meet Project Completion Schedule:** If the Contractor does not achieve Final Completion by the required date, whether by neglect, refusal or any other reason, the parties agree and stipulate that the Contractor shall pay liquidated damages to the City for each such day that final completion is late. As provided elsewhere, this provision does not apply for delays caused by the City. The date for Final Completion may be extended in writing by the Owner.

The Contractor agrees that as a part of the consideration for the City's awarding of this Contract liquidated damages in the daily amount of **\$800.00** is reasonable and necessary to pay for the actual damages resulting from such delay. The parties agree that the real costs and injury to the City for such delay include hard to quantify items such as: additional engineering, inspection and oversight by the City and its agents; additional contract administration; inability to apply the efforts of those employees to the other work of the City; perceived inefficiency of the City; citizens having to deal with the construction and the Work, rather than having the benefit of a completed Work, on time; inconvenience to the public; loss of reputation and community standing for the City during times when such things are very important and very difficult to maintain.

The Contractor must complete the Work and achieve final completion included under the Bid Schedule in the number of consecutive calendar days after the City gives its written Notice to Proceed. When the Contractor considers the entire Work ready for its intended use, Contractor shall certify in writing that the Work is fully complete. Final Completion date is the date by which the Contractor shall have fully completed all clean-up, and all items that were identified by the City in the inspection for final completion. Unless otherwise stated in the Special Conditions, for purposes of this liquidated damages clause, the Work shall not be finished and the Contract time shall continue to accrue until the City gives its written Final Acceptance.

If the Contractor shall fail to pay said liquidated damages promptly upon demand thereof after having failed to achieve Final Completion on time, the City shall first look to any retainage or other funds from which to pay said liquidated damages; if retainage or other liquid funds are not available to pay said liquidated damages amounts, the Surety on the Contractor's Performance Bond and Payment Bond shall pay such liquidated damages. In addition, the City may withhold all, or any part of, such liquidated damages from any payment otherwise due the Contractor.

Liquidated damages as provided do not include any sums to reimburse the City for extra costs which the City may become obligated to pay on other contracts which were delayed or extended because of the Contractor's failure to complete the Work within the Contract Time. Should the City incur additional costs because of delays or extensions to other contracts resulting from the Contractor's failure of timely performance, the Contractor agrees to pay these costs that the City incurs because of the Contractor's delay, and these payments are separate from and in addition to any liquidated damages.

The Contractor agrees that the City may use its own forces or hire other parties to obtain Final Completion of the work if the time of completion has elapsed and the Contractor is not diligently pursuing completion. In addition to the Liquidated Damages provided for, the Contractor agrees to reimburse the City for all expenses thus incurred.

**2.27. Contingency/Force Account:** Contingency/Force Account work will be authorized by the Owner's Project Manager and is defined as minor expenses to cover miscellaneous or unforeseen expenses related to the project. The expenses are not included in the Drawings, Specifications, or Scope of Work and are necessary to accomplish the scope of this contract. Contingency/Force Account Authorization will be directed by the Owner through an approved form. Contingency/Force Account funds are the property of the Owner and any Contingency/Force Account funds, not required for project completion, shall remain the property of the Owner. Contractor is not entitled to any Contingency/Force Account funds, that are not authorized by Owner or Owner's Project Manager.

**2.28. Protection of Persons & Property:** The Contractor shall comply with all applicable laws, ordinances, rules, regulations and orders of any public authority having jurisdiction for the safety of persons or property or to protect them from damage, injury or loss. Contractor shall erect and maintain, as required by existing safeguards for safety and protection, and all reasonable precautions, including posting danger signs or other warnings against hazards promulgating safety regulations and notifying owners and users of adjacent utilities. When or where any direct or indirect damage or injury is done to public or private property by or on account of any act, omission, neglect, or misconduct

by the Contractor in the execution of the work, or in consequence of the non-execution thereof by the Contractor, he shall restore, at his own expense, such property to a condition similar or equal to that existing before such damage or injury was done, by repairing, rebuilding, or otherwise restoring as may be directed, or it shall make good such damage or injury in an acceptable manner.

- 2.29. Changes in the Work:** The Owner, without invalidating the contract, may order changes in the work within the general scope of the contract consisting of additions, deletions or other revisions, the contract sum and the contract time being adjusted accordingly. All such changes in the work shall be authorized by Change Order and shall be executed under the applicable conditions of the contract documents. A Change Order is a written order to the Contractor signed by the Owner issued after the execution of the contract, authorizing a change in the work or an adjustment in the contract sum or the contract time. The contract sum and the contract time may be changed only by Change Order.
- 2.30. Claims for Additional Cost or Time:** If the Contractor wishes to make a claim for an increase in the contract sum or an extension in the contract time, he shall give the Owner written notice thereof within a reasonable time after the occurrence of the event giving rise to such claim. This notice shall be given by the Contractor before proceeding to execute the work, except in an emergency endangering life or property in which case the Contractor shall precede in accordance with the regulations on safety. No such claim shall be valid unless so made. Any change in the contract sum or contract time resulting from such claim shall be authorized by Change Order.
- 2.31. Minor Changes in the Work:** The Owner shall have authority to order minor changes in the work not involving an adjustment in the contract sum or an extension of the contract time and not inconsistent with the intent of the contract documents.
- 2.32. Field Orders:** The Owner may issue written Field Orders which interpret the Contract Documents in accordance with the specifications, or which order minor changes in the work in accordance with the agreement, without change in the contract sum or time. The Contractor shall carry out such Field Orders promptly.
- 2.33. Uncovering & Correction of Work:** The Contractor shall promptly correct all work rejected by the Owner as defective or as failing to conform to the contract documents whether observed before or after substantial completion and whether or not fabricated installed or competed. The Contractor shall bear all costs of correcting such rejected work, including the cost of the Owner's additional services thereby made necessary. If within one (1) year after the date of completion or within such longer period of time as may be prescribed by law or by the terms of any applicable special guarantee required by the contract documents, any of the work found to be defective or not in accordance with the contract documents, the Contractor shall correct it promptly after receipt of a written notice from the Owner to do so unless the Owner has previously given the Contractor a written acceptance of such condition. The Owner shall give such notice promptly after discover of condition. All such defective or non-conforming work under the above paragraphs shall be removed from the site where necessary and the work shall be corrected to comply with the contract documents without cost to the Owner. The Contractor shall bear the cost of making good all work of separate Contractors destroyed or damaged by such removal or correction. If the Owner prefers to accept defective or

non-conforming work, he may do so instead of requiring its removal and correction, in which case a Change Order will be issued to reflect an appropriate reduction in the payment or contract sum, or, if the amount is determined after final payment, it shall be paid by the Contractor.

- 2.30. Amendment:** No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All amendments to the contract shall be made in writing by the Owner.
- 2.31. Assignment:** The Contractor shall not sell, assign, transfer or convey any contract resulting from this IFB, in whole or in part, without the prior written approval from the Owner.
- 2.32. Compliance with Laws:** Bids must comply with all Federal, State, County and local laws governing or covering this type of service and the fulfillment of all ADA (Americans with Disabilities Act) requirements.
- 2.33. Confidentiality:** All information disclosed by the Owner to the Contractor for the purpose of the work to be done or information that comes to the attention of the Contractor during the course of performing such work is to be kept strictly confidential.
- 2.34. Conflict of Interest:** No public official and/or City/County employee shall have interest in any contract resulting from this IFB.
- 2.35. Contract Termination:** This contract shall remain in effect until any of the following occurs: (1) contract expires; (2) completion of services; (3) acceptance of services or, (4) for convenience terminated by either party with a written *Notice of Cancellation* stating therein the reasons for such cancellation and the effective date of cancellation.
- 2.36. Employment Discrimination:** During the performance of any services per agreement with the Owner, the Contractor, by submitting a Bid, agrees to the following conditions:
  - 2.36.1.** The Contractor shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, age, handicap, or national origin except when such condition is a legitimate occupational qualification reasonably necessary for the normal operations of the Contractor. The Contractor agrees to post in conspicuous places, visible to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
  - 2.36.2.** The Contractor, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, shall state that such Contractor is an Equal Opportunity Employer.
  - 2.36.3.** Notices, advertisements, and solicitations placed in accordance with federal law, rule, or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.

- 2.37. Affirmative Action:** In executing a Contract with the City, the Contractor agrees to comply with Affirmative Action and Equal Employment Opportunity regulations presented in the General Contract Conditions.
- 2.38. Immigration Reform and Control Act of 1986 and Immigration Compliance:** The Offeror certifies that it does not and will not during the performance of the contract employ illegal alien workers or otherwise violate the provisions of the Federal Immigration Reform and Control Act of 1986 and/or the immigration compliance requirements of State of Colorado C.R.S. § 8-17.5-101, *et.seq.* (House Bill 06-1343).
- 2.39. Ethics:** The Contractor shall not accept or offer gifts or anything of value nor enter into any business arrangement with any employee, official, or agent of the Owner.
- 2.40. Failure to Deliver:** In the event of failure of the Contractor to deliver services in accordance with the contract terms and conditions, the Owner, after due oral or written notice, may procure the services from other sources and hold the Contractor responsible for any costs resulting in additional purchase and administrative services. This remedy shall be in addition to any other remedies that the Owner may have.
- 2.41. Failure to Enforce:** Failure by the Owner at any time to enforce the provisions of the contract shall not be construed as a waiver of any such provisions. Such failure to enforce shall not affect the validity of the contract or any part thereof or the right of the Owner to enforce any provision at any time in accordance with its terms.
- 2.42. Force Majeure:** The Contractor shall not be held responsible for failure to perform the duties and responsibilities imposed by the contract due to legal strikes, fires, riots, rebellions, and acts of God beyond the control of the Contractor, unless otherwise specified in the contract.
- 2.43. Independent Contractor:** The Contractor shall be legally considered an Independent Contractor and neither the Contractor nor its employees shall, under any circumstances, be considered servants or agents of the Owner. The Owner shall be at no time legally responsible for any negligence or other wrongdoing by the Contractor, its servants, or agents. The Owner shall not withhold from the contract payments to the Contractor any federal or state unemployment taxes, federal or state income taxes, Social Security Tax or any other amounts for benefits to the Contractor. Further, the Owner shall not provide to the Contractor any insurance coverage or other benefits, including Workers' Compensation, normally provided by the Owner for its employees.
- 2.44. Nonconforming Terms and Conditions:** A bid that includes terms and conditions that do not conform to the terms and conditions of this Invitation for Bid is subject to rejection as non-responsive. The Owner reserves the right to permit the Contractor to withdraw nonconforming terms and conditions from its bid prior to a determination by the Owner of non-responsiveness based on the submission of nonconforming terms and conditions.

Items for non-responsiveness may include, but not be limited to:

- a. Submission of the Bid on forms other than those supplied by the City;



- b. Alteration, interlineation, erasure, or partial detachment of any part of the forms which are supplied herein;
- c. Inclusion of unauthorized additions conditional or alternate Bids or irregularities of any kind which may tend to make the Bid incomplete, indefinite, or ambiguous as to its meaning;
- d. Failure to acknowledge receipt of any or all issued Addenda;
- e. Failure to provide a unit price or a lump sum price, as appropriate, for each pay item listed except in the case of authorized alternative pay items;
- f. Failure to list the names of Subcontractors used in the Bid preparation as may be required in the Solicitation Documents;
- g. Submission of a Bid that, in the opinion of the Owner, is unbalanced so that each item does not reasonably carry its own proportion of cost or which contains inadequate or unreasonable prices for any item;
- h. Tying of the Bid with any other bid or contract; and
- i. Failure to calculate Bid prices as described herein.

**2.45. Evaluation of Bids and Offerors:** The Owner reserves the right to:

- reject any and all Bids,
- waive any and all informalities,
- take into account any prompt payment discounts offered by Bidder,
- negotiate final terms with the Successful Bidder,
- take into consideration past performance of previous awards/contracts with the Owner of any Contractor, Vendor, Firm, Supplier, or Service Provider in determining final award. and
- disregard any and all nonconforming, nonresponsive or conditional Bids.

Discrepancies between words and figures will be resolved in favor of words. Discrepancies between Unit Prices and Extended Prices will be resolved in favor of the Unit Prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. The corrected extensions and totals will be shown in the tabulation of Bids.

The Owner may consider the qualifications and experience of Subcontractors and other persons and organizations (including those who are to furnish the principal items of material or equipment) proposed for those portions of the work as to which the identity of Subcontractors and other persons and organizations must be submitted. Operating costs, maintenance considerations performance data, and guarantees of materials and equipment may also be considered by the Owner.

The Owner will conduct such investigations as deemed necessary to assist in the evaluation of any Bid and to establish the responsibility, qualifications and financial ability of the Offeror, proposed Subcontractors and other persons and organizations to do the Work in accordance with the *Contract Documents* to the City's satisfaction within the Contract Time.

The Offeror shall furnish the Owner all information and data requested by the Owner to determine the ability of the Offeror to perform the Work. The Owner reserves the right to reject the Bid if the evidence submitted by, or investigation of such Offeror fails to satisfy the Owner that such Offeror is properly qualified to carry out the obligations of the Contract and to complete the Work contemplated therein.

By submitting a Bid, each Offeror authorizes the Owner to perform such investigation of the Offeror as the Owner deems necessary to establish the responsibility, qualifications and financial ability of the Offeror and, by its signature thereon, authorizes the Owner to obtain reference information concerning the Offeror and releases the party providing such information and the Owner from any and all liability to the Offeror as a result of such reference information so provided.

The Owner reserves the right to reject the Bid of any Offeror who does not pass any evaluation to the Owner's satisfaction.

If the Contract is to be awarded, it will be awarded to the Offeror who, by evaluation, the Owner determines will best meet the Owner's interests.

The Owner reserves the right to accept or reject the Work contained in any of the Price Bid Schedules or alternates, either in whole or in part.

**2.46. Award of Contract:** Unless otherwise indicated, a single award will be made for all the bid items in an individual bid schedule. In the event that the Work is contained in more than one Bid Schedule, the City may award Schedules individually or in combination. In the case of two Bid Schedules which are alternative to each other, only one of such alternative Schedules will be awarded. Within forty-five (45) Calendar Days of Bid Opening, the City will issue a Notice of Award to the Successful Bidder which will be accompanied by four (4) unsigned copies of the Contract and the Performance and Payment Bond forms. Within ten (10) Calendar Days thereafter, the Successful Bidder shall sign and deliver four (4) copies of the Contract, Performance Bond, Payment Bond and Certificates of Insurance to the City. Within ten (10) Calendar Days thereafter, the City will deliver two (2) fully executed counterparts of the Contract to the Contractor. No contract shall exist between the Successful Bidder and the City and the Successful Bidder shall have no rights at law or in equity until the Contract has been duly executed by the City.

The Successful Bidder's failure to sign and submit a Contract and other documents set forth in this Paragraph within the prescribed time shall be just cause of annulment of the award, and forfeiture of the Bid Guaranty. The award of Contract may then be made to the next qualified Bidder in the same manner as previously prescribed.

- 2.47. Ownership:** All plans, prints, designs, concepts, etc., shall become the property of the Owner.
- 2.48. Oral Statements:** No oral statement of any person shall modify or otherwise affect the terms, conditions, or specifications stated in this document and/or resulting agreement. All modifications to this request and any agreement must be made in writing by the Owner.
- 2.49. Patents/Copyrights:** The Contractor agrees to protect the Owner from any claims involving infringements of patents and/or copyrights. In no event shall the Owner be liable to the Contractor for any/all suits arising on the grounds of patent(s)/copyright(s) infringement. Patent/copyright infringement shall null and void any agreement resulting from response to this IFB.
- 2.50. Remedies:** The Contractor and Owner agree that both parties have all rights, duties, and remedies available as stated in the Uniform Commercial Code.
- 2.51. Venue:** Any agreement as a result of responding to this IFB shall be deemed to have been made in, and shall be construed and interpreted in accordance with, the laws of the City of Grand Junction, Mesa County, Colorado.
- 2.52. Expenses:** Expenses incurred in preparation, submission and presentation of this IFB are the responsibility of the company and cannot be charged to the Owner.
- 2.53. Sovereign Immunity:** The Owner specifically reserves its right to sovereign immunity pursuant to Colorado State Law as a defense to any action arising in conjunction to this agreement.
- 2.54. Non-Appropriation of Funds:** The contractual obligation of the Owner under this contract is contingent upon the availability of appropriated funds from this fiscal year budget as approved by the City Council or Board of County Commissioners from this fiscal year only. State of Colorado Statutes prohibit obligation of public funds beyond the fiscal year for which the budget was approved. Anticipated expenditures/obligations beyond the end of the current Owner's fiscal year budget shall be subject to budget approval. Any contract will be subject to and must contain a governmental non-appropriation of funds clause.
- 2.55. Cooperative Purchasing:** Purchases as a result of this solicitation are primarily for the City/County. Other governmental entities may be extended the opportunity to utilize the resultant contract award with the agreement of the successful provider and the participating agencies. All participating entities will be required to abide by the specifications, terms, conditions and pricings established in this Bid. The quantities furnished in this bid document are for only the City/County. It does not include quantities for any other jurisdiction. The City or County will be responsible only for the award for its jurisdiction. Other participating entities will place their own awards on their respective Purchase Orders through their purchasing office or use their purchasing card for purchase/payment as authorized or agreed upon between the provider and the individual entity. The City/County accepts no liability for payment of orders placed by other participating jurisdictions that choose to piggy-back on our solicitation. Orders placed by

participating jurisdictions under the terms of this solicitation will indicate their specific delivery and invoicing instructions.

- 2.56. Keep Jobs in Colorado Act:** Contractor shall be responsible for ensuring compliance with Article 17 of Title 8, Colorado Revised Statutes requiring 80% Colorado labor to be employed on public works. Contractor shall, upon reasonable notice provided by the Owner, permit the Owner to inspect documentation of identification and residency required by C.R.S. §8-17-101(2)(a). If Contractor claims it is entitled to a waiver pursuant to C.R.S. §8-17-101(1), Contractor shall state that there is insufficient Colorado labor to perform the work such that compliance with Article 17 would create an undue burden that would substantially prevent a project from proceeding to completion, and shall include evidence demonstrating the insufficiency and undue burden in its response.

Unless expressly granted a waiver by the Owner pursuant to C.R.S. §8-17-101(1), Contractor shall be responsible for ensuring compliance with Article 17 of Title 8, Colorado Revised Statutes requiring 80% Colorado labor to be employed on public works. Contractor shall, upon reasonable notice provided by the Owner, permit the Owner to inspect documentation of identification and residency required by C.R.S. §8-17-101(2)(a).

**2.56.1.** "Public project" is defined as:

- (a) any construction, alteration, repair, demolition, or improvement of any land, building, structure, facility, road, highway, bridge, or other public improvement suitable for and intended for use in the promotion of the public health, welfare, or safety and any maintenance programs for the upkeep of such projects
- (b) for which appropriate or expenditure of moneys may be reasonably expected to be \$500,000.00 or more in the aggregate for any fiscal year
- (c) except any project that receives federal moneys.

### **3. Statement of Work**

- 3.1. GENERAL:** The City of Grand Junction is soliciting competitive bids from qualified and interested companies for all labor, equipment and materials required for the construction of the concrete alley between Ute Avenue and Pitken Avenue from 10<sup>th</sup> Street to 11<sup>th</sup> Street. All dimensions and scope of work should be verified by Contractors prior to submission of bids.

NOTE: The descriptions of the pay items listed in the Price Bid Schedule for this Project may not agree with those listed in the Standard Specifications. Payment for all Work performed, as required in the Contract Documents, will be in accordance with the items and units listed in the Price Bid Schedule.

The performance of the Work for this Project shall conform to the General Contract conditions presented in the City of Grand Junction's Standard Contract Documents for Capital Improvements Construction, revised July 2010, except as specifically modified or supplemented herein or on the Construction Drawings.

**3.2. PROJECT DESCRIPTION:** The project generally consists of the removal of 825 square yards of concrete pavement, 126 square yards of hot mix asphalt patching, 35 square yards of 8" concrete driveway, 450 linear feet of 8" sanitary sewer, 13 4" sewer taps, 2 sanitary sewer manholes and appurtenances.

**3.3. SPECIAL CONDITIONS & PROVISIONS:**

**3.3.1 Mandatory Pre-Bid Meeting:** Prospective bidders are required to attend a mandatory pre-bid meeting on March 24, 2020 at 3:00pm. Meeting location shall be in the City Hall Auditorium, located at 250 N. 5<sup>th</sup> Street, Grand Junction, CO. The purpose of this visit will be to inspect and to clarify the contents of this Invitation for Bids (IFB).

**3.3.2 QUESTIONS REGARDING SOLICIATION PROCESS/SCOPE OF WORK:**

Duane Hoff Jr., Senior Buyer  
City of Grand Junction  
[duaneh@gjcity.org](mailto:duaneh@gjcity.org)

**3.3.2 Project Manager:** The Project Manager for the Project is John Eklund, Project Engineer, who can be reached at (970) 244-1558 During Construction, all notices, letters, submittals, and other communications directed to the City shall be addressed and mailed or delivered to:

City of Grand Junction  
Department of Public Works and Planning  
Attn: John Eklund, Project Engineer  
333 West Avenue, Building C  
Grand Junction, CO 81501

**3.3.3 Affirmative Action:** The Contractor is not required to submit a written Affirmative Action Program for the Project.

**3.3.4 Pricing:** Pricing shall be all inclusive to include but not be limited to: all labor, equipment, supplies, materials, freight (F.O.B. Destination – Freight Pre-paid and Allowed to each site), travel, mobilization costs, fuel, set-up and take down costs, and full-time inspection costs, and all other costs related to the successful completion of the project.

The Owner shall not pay nor be liable for any other additional costs including but not limited to: taxes, shipping charges, insurance, interest, penalties, termination payments, attorney fees, liquidated damages, etc.

**3.3.5 Freight/Shipping:** All freight/shipping shall be F.O.B. Destination – Freight Pre-Paid and Allowed to the project site(s), Grand Junction, CO.

Contractor must meet all federal, state, and local rules, regulations, and requirements for providing such services.

**3.3.6 Contract:** A binding contract shall consist of: (1) the IFB and any amendments

thereto, (2) the bidder's response (bid) to the IFB, (3) clarification of the bid, if any, and (4) the City's Purchasing Department's acceptance of the bid by "Notice of Award" or by "Purchase Order". All Exhibits and Attachments included in the IFB shall be incorporated into the contract by reference.

A. The contract expresses the complete agreement of the parties and, performance shall be governed solely by the specifications and requirements contained therein.

B. Any change to the contract, whether by modification and/or supplementation, must be accomplished by a formal contract amendment signed and approved by and between the duly authorized representative of the bidder and the City Purchasing Division or by a modified Purchase Order prior to the effective date of such modification. The bidder expressly and explicitly understands and agrees that no other method and/or no other document, including acts and oral communications by or from any person, shall be used or construed as an amendment or modification to the contract.

**3.3.7 Time of Completion:** The scheduled time of Completion for the Project is 45 Calendar Days from the starting date specified in the Notice to Proceed.

Completion is achieved when site cleanup and all punch list items (resulting from the final inspection) have been completed. Completion shall have the meaning set forth in Article I, Section 3 (Definitions and Terms) of the General Contract Conditions.

**3.3.8 Working Days and Hours:** The working days and hours shall be as stated in the General Contract Conditions or as mutually agreed upon in the preconstruction meeting with the following exception:

All work shall be performed between the hours of 7:00 AM to 5:00 PM.

**3.3.9 Licenses and Permits:** Contractor is responsible for obtaining all necessary licenses and permits required for Construction, at Contractor's expense. See Section 2.12. Contractor shall supply to Owner all copies of finalized permits.

**3.3.10 Permits:** The following permits are required for the Project and will be obtained by the City at no cost to the Contractor:

None

The following permits are required for the Project and shall be obtained and paid for by the Contractor, with the costs included in the total bid price for the Project:

None

**3.3.11 City Furnished Materials:** The City will furnish the following materials for the Project:

- Door-hanger notices informing residents and businesses of upcoming sewer and pavement work, planned dates of work, and parking restrictions, if any. These shall be hung on the doors at least two (2), but not more than seven (7) days prior to the start of work. If door hangers are not distributed per these special conditions, and a vehicle needs to be removed from the project site, the

contractor shall be responsible for the costs associated with the relocation of the vehicle.

**3.3.12 Project Newsletters:** A newsletter for the Project will be prepared and distributed by the City. It will include general information about the Project including interruptions in utility services, street closures, parking restrictions, project schedule, and the names and telephone numbers of the contacts for the City and Contractor. The newsletter will be mailed approximately one week before the Contractor commences work.

Following the first newsletter prepared by the City a weekly newsletter shall be prepared by the Contractor until the project is completed. The newsletters will be emailed and mail to communicate the information to business owners and residents.

The contractor shall supply the following information for the newsletter:

1. Description of work to be completed during the previous week.
2. Description of the work scheduled for the upcoming two weeks.
3. Information about any road closures, detours, parking restrictions, and other activities that may cause delay or inconvenience to the businesses or the general public.
4. Scheduled or planned interruption changes in any utility services, trash pickup, mail deliver, or other services.
5. Project schedule changes or other information that may be useful or of interest.

**3.3.13 Project Sign:** Project signs, if any, will be furnished and installed by the City.

**3.3.14 Authorized Representatives of the City:** Those authorized to represent the City shall include Purchasing Agent, Engineers, and Inspectors employed by the City, only.

**3.3.15 Stockpiling Materials and Equipment:** All stockpiling/storage shall be in accordance with General Contract Condition Section 51.

When approved by the Project Engineer, the Contractor may stockpile and store materials and equipment within public right-of-way. The Contractor shall be responsible for obtaining written permission to use private property for storage of materials and equipment. Copies of the above-mentioned agreements shall be submitted to the Project Engineer prior to use of the property.

**3.3.16 Traffic Control:** The Contractor shall provide and maintain traffic control in accordance with the approved Traffic Control Plan and the Manual on Uniform Traffic Control Devices. A Traffic Control Plan shall be prepared by the Contractor and reviewed by the City two days prior to the pre-construction meeting.

All available public parking is reserved for the public. Contractor and subcontractor employee personal vehicle parking is prohibited in these locations. Parking of Contractor or subcontractor vehicles or construction equipment in existing public parking space is allowed only in the zones that are closed for construction. Parking

of Contractor, subcontractor or employee construction or personal vehicles (or construction equipment) in private residential or business parking space is also strictly prohibited. Suitable transportation to the work site for personnel whose vehicles are parked off site shall be provided by the Contractor.

No personal driveway and/or access point to a property shall be left inaccessible at the end of each work day or over a weekend; and no construction equipment shall be parked in front of a driveway and/or access point during Contractor's non-working hours. When a driveway and/or access point has to be closed off due to construction activity, the Contractor shall provide advanced notification to the affected resident(s) at least two-days prior to closure and arrange an alternative access point to the property. Refer to General Contract Condition 26 – Maintenance of Access and Services.

Special conditions for traffic control:

1. All trenches shall be backfilled or protected at the end of each working day and access restored to all driveways. If trenches are left open at night, the trenches will be limited to 30 feet in length. The entire perimeter of the excavation shall be barricaded with construction equipment or temporary construction fence and caution tape.
2. At all times during the project, the contractor must ensure access is available for the U.S. Postal Service, trash collection trucks, school buses, emergency vehicles, etc., per the General Contract Conditions.
3. The Contractor shall adhere to all traffic control requirements when working within City right-of-way.
4. Detours shall be provided when a section of road is closed to through traffic for sewer construction. Residents, employees, property owners shall have access to their respected properties during sewer construction.
5. Signs and stands shall not be permitted to be left on the sidewalks overnight.

**3.3.17 Clean-Up:** The Contractor is responsible for cleaning up all loose materials that have been deposited or swept into gutters, and onto sidewalks and driveways as a result of sidewalk operations. The costs for all clean-up work shall be considered incidental and will not be paid for separately.

**3.3.18 Quality Control Testing:** Supplier shall perform quality control (QC) testing on concrete and asphalt. The contractor shall provide QC throughout the Contract, with the use of their own QC Technicians or the use of a certified laboratory. In accordance with Section 401.06.3 of the City of Grand Junction Standard Specifications for Road and Bridge Construction, results of all QC tests shall be submitted to the Project engineer and the City's Quality Assurance (QA) Technician within 4 hours of the time of sampling. Failure to do so may require that the paving be suspended until all sampling results have been received, reviewed and approved. The Contractor shall supply QC Laboratory personnel for night work, if necessary, for comparison test data.



If lab personnel is not supplied paving operations will be suspended until one is available. QC Field personnel shall remain on site during the duration of the paving operation or until in-place density are met.

The Contractor/Supplier shall perform QC testing on all concrete. The City will perform QA testing on all concrete.

The Contractor, at their own discretion, may elect to forgo the soils QC field testing (in-place soils density) for placement of Aggregate Base Course or other subgrade tests. QA testing for these items will be performed by the City, and laboratory results for submittal purposes will be provided by the Contractor. However, if a sufficient number of failed test results are observed by the City and its QA testing representatives, written notification will be provided to the Contractor and back payment to the City for failed location re-tests will be required.

**3.3.19 Stormwater Management Plan (Erosion Control):** Existing curbside storm drain inlet basins are located adjacent the project and each inlet basin shall receive stormwater protection in the form of a “silt sack” or “filter sock”. The inlet basin stormwater protection devices shall remain in place until the Contractor has completed the paving and patching operations and the alley and street have been swept clean. The Contractor shall also be responsible for maintaining the inlet basin protection devices throughout construction and periodically inspecting the inlet basin protection devices during construction. In addition, after every rainfall and/or snowmelt event the Contractor shall inspect all inlet basin protection devices on the project. The Contractor shall be responsible for either cleaning or replacing the inlet basin protection device when the capacity of the protection device has reached 50% of its full capacity. The Contractor shall take into account the associated maintenance cost in the pay item.

Street sweeping shall be periodically completed along the streets adjacent to the project to contain tracking of soil. The street sweeping machine shall be capable of both sweeping and vacuuming up the roadway dirt. A machine that only sweeps will not be accepted and will not be paid for. The Contractor shall submit for approval a description of the street cleaning machine to be used prior to cleaning the street. Street sweeping will be considered incidental to this pay item.

The Contractor shall keep protective measures on site or excavated soil piles in the event of a rainstorm and/or snow melt event. The Contractor will only be required to use these measures when it is likely that a rainstorm and/or snowstorm event is going to occur. The Contractor should contact the NOAA National Weather Service Forecast Office in Grand Junction to obtain extended weather forecast information to help in deciding whether gravel filter socks will need to be used. The NOAA Forecast Office of Grand Junction can be reached at 970-243-7007. These measures will be considered incidental and will not be paid for separately.

If groundwater within the alley or roadway is encountered (not anticipated) and requires dewatering, the dewatering pump shall have a filter sock attached to the end of the discharge hose. This will prevent sediment in the discharge water from entering into the City’s storm drainage system. The contractor will be responsible for

monitoring the levels of sediment within the filter sock and replacing the filter sock when it reaches 50% of its holding capacity. It will also be the responsibility of the contractor to obtain the Dewatering Permit from the Colorado Department of Public Health and Environment if necessary.

All vehicle and equipment maintenance and fueling (if required on site) shall be performed in a designated area within the construction area that will not interfere with roadway traffic operations unless traffic control is provided. The fueling area shall exhibit Best Management Practices in order to minimize and/or eliminate the potential of fuel spillage. Any spillage of fuel onto the ground shall be immediately cleaned up and any contaminated soil disposed of properly at the Mesa County Landfill at the Contractor's expense. Documentation of spills, leaks and overflows that result in the discharge of pollutants, including logging and reporting of the spill is required to the Water Quality Control Division at their toll-free 24-hour environmental emergency spill reporting line – 1-877-518-5608.

The Contractor shall clear the site of all on-site waste daily, including scrap from construction materials.

Concrete trucks will be required to wash out in a portable concrete washout pool supplied by the Contractor or the concrete truck can wait to washout back at the concrete batching facility. The Contractor will be responsible for maintaining the washout pool. The washout pool shall be cleaned out and/or replaced when the washout pool reaches 50% of total capacity. The concrete washout pool needs to be dynamic and durable in its ability to be moved with the progress of construction.

The Contractor shall clear the site of all trash and litter daily. Portable toilets will be maintained (cleaned and emptied) by a local supplier. Trash and litter shall not be left in open trenches or other excavations that are later filled and/covers.

A storm water management plan will be provided to the contractor.

**3.3.20 Schedule of Submittals:** Contractor shall deliver these submittals at least two days prior to the pre-construction meeting:

- Traffic Control Plans
- Project Schedule
- Concrete Mix Design
- Asphalt Mix Design
- Inlet Protection
- Concrete Washout
- Stormwater Management Plan
- Conduit
- Manholes
- Service Wye fittings
- Service Saddle Fittings
- Ring and Covers
- Pipe to Manhole Connection
- Invert Epoxy Material

- Bedding Gradation, Type A
- Imported Trench Backfill gradation (Class 3)
- Granular Stabilization Material (Type B)
- Base course gradation, Proctor Curve (Class 6)

**3.3.21 Uranium Mill Tailings:** It is anticipated that radioactive mill tailings will not be encountered on this Project. If uranium mill tailings are encountered during the excavation for the sewer line, the Contractor shall load the mill tailings into a separate haul truck and dispose of the uranium mill tailings at the City of Grand Junction shops facility per City of Grand Junction Standard Specifications – Section 202 and Section 203.

**3.3.22 Fugitive Petroleum or Other Contamination:** It is anticipated that soil contamination from fugitive petroleum or other contaminants will not be encountered with the Project.

**3.3.23 Excess Material:** All excess materials shall be disposed in accordance with General Contract Condition Section 50.

**3.3.24 Existing Utilities and Structures:** The location of existing utilities and structures shown on the Plans are approximate. Utilities were **not** potholed during design of this project. The location of existing utilities and structures shown on the Plans is approximate with the information gathered during design. It is the responsibility of the Contractor to pothole/locate and protect all structures and utilities in accordance with General Contract Condition Section 37.

If the Contractor discovers a conflict with an existing utility (either horizontal or vertical), the Contractor shall contact the Engineer to assist in resolving the conflict. The Contractor shall be prepared to move to another location on the project and allow the City and Utility provider time to investigate the problem and propose a solution. Relocating the work site from one location to another as a result of vertical or horizontal conflicts with existing utilities shall be considered incidental to the cost of installing the new sanitary sewer main and services.

**3.3.25 Incidental Items:** Any item of work not specifically identified or paid for directly, but which is necessary for the satisfactory completion of any paid items of work, will be considered as incidental to those items, and will be included in the cost of those items.

**3.3.26 Survey:** The Contractor shall give the City survey crew a minimum of 72 hours' notice for all requested survey.

**3.3.27 Existing Property Pins and Survey Monuments:** The City of Grand Junction did not perform an exhaustive search for existing property pins when compiling survey data for this Project. Property pins and survey monuments have been shown on the construction drawings that were found in the field. The Contractor shall be responsible for locating, protecting and resetting property pins when and where necessary, including those shown on the plans, and including those not shown but found in the field during the course of the work. The cost of locating, protecting, referencing and resetting of property pins is incidental to the Construction Surveying pay item. The

cost of referencing and resetting of survey monuments shall be paid for as described in Section 629 – Survey Monumentation within the July 2010 Standard Contract Documents.

**3.3.28 Existing Concrete Sidewalks, Pans, Fillets, Curbs and Gutters:** The existing sidewalks, pans, fillets, curb and gutter are in good serviceable condition. In most instances the installation of new sidewalk and pavement will be adjacent to existing concrete. The Contractor will need to protect all concrete adjacent to construction. If the concrete is damaged during construction the Contractor will be responsible for its replacement at no cost to the City. The Contractor, the City Project Inspector, and/or the City Project Manager will walk and record any concrete that is deemed to be damaged before construction has started.

**3.3.29 ACI Concrete and Flatwork Finisher and Technician:** Hand finishing concrete will be permitted only when performed under the direct supervision of a craftsman holding the following certificate: ACI Concrete Flatwork Finisher and Technician (ACICFFT) or other Flatwork Finisher certification program approved by the City Engineering Manager.

**3.3.30 Interruption of Utilities and Services:** The Contractor shall notify all property owners affected by the interruption of utilities and other services caused by the Contractor's operations associated with this Project. Such notice shall be given at least 24 hours prior to the interruption. Notice shall be given for, but not limited to, the interruption of domestic water, sanitary sewer, trash pickup, mail delivery and changes in access to the property. Notice can be given via a newsletter and/or a door hanger. When an interruption will occur but was not stated in a newsletter, the Contractor shall, at a minimum, provide written notice and deliver to the resident/occupant; when the resident/occupant is not home at delivery time, the notice shall be attached to the door. Such notices shall provide contact information for the Contractor, the City Inspector and the City Project Engineer.

The Contractor will be required to notify property owners/tenants and City of Grand Junction Sanitation Division, 970-244-1570, when the alley will be blocked due to construction and direct them to move trash containers to the street for pickup. When alley construction is complete and the alley is open to traffic, the Contractor shall notify property owners/tenants to move their trash containers back to the alley for pickup. The Contractor should use door hangers and notify the property/owner tenant at least 24 hours in advance of their trash pickup to move their containers to the street. The door hanger should note the date that trash pickup will be moved to the street from the alley.

**3.3.31 Asphalt/Concrete Repair on Streets:** Asphalt and concrete replacement on streets shall be performed as soon as possible following the completion of subsurface work. The Contractor shall construct and maintain a temporary driving surface (road base or asphalt millings derived from the Project) for the period between completion of subsurface construction and restoration of the permanent asphalt or concrete surface. The temporary driving surface shall be maintained free of ruts and potholes during the period prior to permanent restoration. Installation and maintenance of the

temporary driving surface shall not be paid for separately, but shall be incidental to the Project.

**3.3.32 Bypass Sewage Pumping:** It is not anticipated that by-pass pumping will be required for this project. However, the Contractor may elect to pump sewer flows if they are high enough that temporary utility service outages are not practicable. The exact flow rates of the sewer lines being replaced are unknown.

The contractor shall provide and maintain adequate pumping equipment, force main piping and other necessary appurtenances in order to maintain reliable sanitary sewer service in all sanitary sewer lines as required for construction.

The contractor shall be responsible for any damage to personal property as a result of the bypass pumping operation. Refer to the Bypass Pumping Special Provision, Section 104.2.e for more information regarding bypass pumping.

**3.3.33 Subsurface Conditions:** A geotechnical report was not completed for this sewer project.

**3.3.34 Temporary Steel Plating:** If the Contractor chooses to use steel plates to protect an open trench section, the cost for supplying and securely placing the steel plates will not be paid for separately, but shall be included in the work.

**3.3.35 Construction Dewatering:** If necessary, all construction dewatering must meet the requirements specified in the CDPHE Dewatering Permit. Construction dewatering will be considered incidental and will not be measured and paid for separately.

**3.3.36 Sanitary Sewer Service Locations:** The location of sewer services shown on the construction drawings are based on TV inspection videos of the existing sanitary sewer main. The Contractor shall determine which services are active and which are inactive by using dye, tracing the line with a snake and locator, or smoking the service. The Contractor shall notify and obtain permission from the property owner prior to placing dye or smoke in the service. The Construction drawings show approximate locations of services within the ROW.

**3.3.37 Manhole Grade Rings:** Concrete grade rings, shims and non-shrink grout shall not be used on the sewer manhole sections. Approved grade rings for this project shall be either HDPE Adjusting Rings by LadTech, Inc., or Expanded Polypropylene grade rings by Cretex Pro-Ring.

Grade rings shall be installed per the manufacturer's recommendations and directions. Caulk and sealants shall be approved by the manufacturer and shall be applied per the manufacturer's recommendation. The top grade ring shall match as close as possible the cross-slope of the existing roadway surface. Both manufacturers of grade rings provide grade rings that can accommodate the existing roadway cross-slope.

If manhole cover lies within flowline of alley, a watertight manhole ring and cover shall be installed. The cost of the watertight manhole ring and cover shall be incidental to the cost of the manhole.

**3.3.38 Construction “As-Built” Drawings:** In addition to Items I and II in the General Terms and Conditions Section 54, As-built record information will be provided to, and approved by City staff prior to Final Acceptance of the project. Information to be provided must be in electronic format (e.g. CAD and/or survey files) along with a PDF showing As-Built drawings. As-Built electronic files must contain information suitable for the City to maintain Utility records to the standards set forth in new Colorado 811 One Call/Subsurface Utility Law (effective 8 August 2018) and standards as described in American Society of Civil Engineers (ASCE) Standard Guidelines for the Collection & Depiction of Existing Subsurface Utility Data (ASCE 38-02).

Electronic information for As-Built Records shall include, but is not limited to verification of all horizontal and vertical changes in pipe alignments, elbows, tees, wyes, manholes, valves, control structures, service taps, service pipe (horizontal and vertical deflections to ROW line or meter pits, whichever is closer), cleanouts, beginning and ending of slip-lined segments, tie-in or connection to existing infrastructure, etc. Distance between As-Built data points along pipe alignment is dependent on the amount of deflection used to install the pipe in the field. There must be sufficient point data to create a plan and profile of all infrastructure accurate to within eighteen inches (18”) of the physical structures anywhere along the project.

#### **3.4. SCOPE OF WORK:**

The *City of Grand Junction Standard Specifications for Road and Bridge Construction* are hereby modified or supplemented for this Project by the following modifications to *The Standard Specifications for Road and Bridge Construction*, State Department of Highways, Division of Highways, State of Colorado:

##### **SP-1 SECTION 103 – REMOVALS, EXCAVATION, BACKFILLING AND RESTORATION**

Section 103 of the Standard Specifications is hereby revised for this project as follows:

Subsection 103.10, Cutoff Walls, shall include the following:

Payment for this work will not be measured or paid for separately and will be considered incidental to the installation of Gravity Sewer Pipe. Refer to Section 108.13 for list of Incidental Construction items.

Subsection 103.16, Earth Backfill Material, shall include the following:

Native material excavated on site shall be used for backfill on all pipelines and appurtenances above the bedding and haunching material unless the native material is too wet, rocky or otherwise unsuitable for backfill as determined by the Engineer or his representative. In such case, imported trench backfill material, or other approved material, shall be used and paid for per ton of material supplied, placed and compacted. The Contractor will be required to salvage useable materials from the project excavations and mix the useable material with imported trench backfill prior to placing backfill in the trench. The contract price for “Imported Trench Backfill” shall include the disposal of the unsuitable material. During placement of imported backfill Contractor shall not place any

rocks over 4 inches in diameter within the first 12 inches above the initial backfill material to protect the pipe from damage.

**SP-2 SECTION 105 – PIPELINE TESTING**

This is a new sewer installation project, and as a result, the new sewer pipe shall be tested for leakage and alignment before final acceptance per the City Pipeline Testing Specification

All sanitary sewer mains shall be deflection tested using a Mandrel and will be closed captioned (CCTV) inspected prior to final acceptance

**SP-3 SECTION 208 – EROSION CONTROL**

For inlet protection along Major Arterial or Collector Street sections the only approved inlet protections shall be a filter sock or filter bag as approved by the Project Engineer.

Add the following to this subsection:

208.05(n) Add the Following:

Concrete Washout Structure:

Water for clean-up of equipment used in the mixing or distribution of concrete shall not be discharged to any storm water facilities, drain ways, or deposited into any open fields. The waste water used shall either be wasted on an open excavation area or in an onsite detention facility for future disposal.

Subsection 208.08 Payment for Best Management Practices.

The disposal of wash water shall be considered incidental to the concrete and will not be measured for or paid for separately.

Add the following to this subsection:

<b><u>Pay Item</u></b>	<b><u>Pay Unit</u></b>
Storm Inlet Box Protection	EA
Stabilized Construction Entrance	EA
Concrete Washout	Lump Sum

**SP-4 SECTION 209 – WATERING AND DUST PALLIATIVES**

Section 209 of the Standard Specifications is hereby revised for this project as follows:

Subsections 209.08, Basis of Payment shall be modified to include the following:

The Contract Unit Price for the dust abatement items shall be full compensation for all equipment, labor, materials, and incidentals required for the complete dust abatement for the project including, but not limited to: Alley, 10<sup>th</sup> and 11<sup>th</sup> Streets and other potential detours.

**SP-5 SECTION 601 – STRUCTURAL CONCRETE**

Section 601 of the Standard Specifications is hereby revised for this project as follows:

Subsection 601.02, Classification:

CONCRETE SHALL MEET THE FOLLOWING REQUIREMENTS:

- 4,500 PSI Compressive at 28 Days
- 6% air  $\pm$ 1.5%
- Slump 4", Loads exceeding 4 ½" shall be rejected
- Maximum Water Cement Ratio no greater than 0.45.
- Minimum 55% course aggregate by weight of total aggregate.

Subsection 601.06, Batching:

This CDOT Specification has been added to this Project:

The Contractor shall furnish a batch ticket (delivery ticket) with each load for all concrete. Concrete delivered without a batch ticket containing complete information as specified shall be rejected. The Contractor shall collect and complete the batch ticket at the placement site and deliver all batch tickets to the Engineer or his representative at the end of each day. The Engineer or his representative shall have access to the batch tickets at any time during the placement. The following information shall be provided on each ticket:

1. Suppliers name and date
2. Truck number
3. Project name and location
4. Concrete class and designation number
5. Cubic yards batched
6. Type brand and amount of each admixture
7. Type, brand, and amount of cement and fly ash
8. Weights of fine and course aggregates
9. Moisture of fine and course aggregates
10. Gallons of batch water

The contractor shall add the following information to the batch ticket at time of placement:

1. Gallons of water added by the truck operator.
2. Number of revolutions of the drum for mixing
3. Discharge time

#### **SP-6 SECTION 608 – CURBS, GUTTERS, SIDEWALKS, AND TRAILS**

Section 608 of the Standard Specifications is hereby revised for this project as follows:

Subsections 608.06, Basis of Payment shall include the following:

The Contract Unit Price for the various concrete items shall be full compensation for all equipment, labor, materials, and incidentals required for the complete installation. Incidental items include subgrade compaction, removal of existing base course, subgrade, disposal of excavated and removed materials; furnishing, placement and compaction of Aggregate Base Course; forming, furnishing and placement, finishing, curing and protection of the concrete; reinforcing steel, construction/contraction jointing and joint filler.



## **SP-7 SECTION 630 - CONSTRUCTION ZONE TRAFFIC CONTROL**

Subsection 630.09, Traffic Control Plan, shall include the following:

The following guidelines and limitations shall apply to the traffic control:

1. Access to alley from the east and west shall remain open during construction when possible.
2. Concrete activities shall be coordinated so that concrete trucks and other vehicles do not block traffic lanes.
3. All incidental costs shall be included in the original contract price for the project. Flagging, if required, shall be considered incidental and included in Traffic Control (Complete in Place)
4. Sidewalks that are obstructed or under construction shall be barricaded, as required for pedestrian safety.

Subsection 630.14, Method of Measurement, shall include the following:

Distribution of door-hanger notices to all businesses and residents located adjacent to the Project will not be paid for separately but shall be included in the pay item for Traffic Control (Complete in Place). The City will provide door hangers for distribution.

### **3.5. Attachments:**

Appendix A: Project Submittal Form

Appendix B: Construction Drawings

- 3.6. Contractor Bid Documents:** For Contractor's convenience, the following is a list of forms/items to be submitted with the Contractor's bid response. However, should a form/item not be listed in this section, but required in the solicitation documents, it is the Contractor's responsibility to ensure all forms/items are submitted.

- **Contractor's Bid Form**
- **Price Bid Schedule**
- **References**
- **Examples of 3 similar projects**

### **3.7. IFB TENTATIVE TIME SCHEDULE:**

Invitation For Bids available	March 10, 2020
Mandatory Pre-Bid Meeting	March 24, 2020
Inquiry deadline, no questions after this date	March 31, 2020
Addendum Posted	April 3, 2020
Submittal deadline for proposals	April 10, 2020
City Council Approval	May 6, 2020
Notice of Award & Contract execution	May 7, 2020
Bonding & Insurance Cert due	May 15, 2020
Preconstruction meeting	May 15, 2020
Work begins no later than	Upon Receipt of Notice to Proceed
Final Completion	45 Calendar Days from Notice to Proceed
Holidays:	May 25, 2020 July 3, 2020

## **4. Contractor's Bid Form**

**Bid Date:** \_\_\_\_\_

**Project:** IFB-4773-20-DH "2020 Alley Improvement District"

**Bidding Company:** \_\_\_\_\_

**Name of Authorized Agent:** \_\_\_\_\_

**Email** \_\_\_\_\_

**Telephone** \_\_\_\_\_ **Address** \_\_\_\_\_

**City** \_\_\_\_\_ **State** \_\_\_\_\_ **Zip** \_\_\_\_\_

The undersigned Bidder, in compliance with the Invitation for Bids, having examined the Instruction to Bidders, General Contract Conditions, Statement of Work, Specifications, and any and all Addenda thereto, having investigated the location of, and conditions affecting the proposed work, hereby proposes to furnish all labor, materials and supplies, and to perform all work for the Project in accordance with Contract Documents, within the time set forth and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Contractor's Bid Form is a part.

The undersigned Contractor does hereby declare and stipulate that this offer is made in good faith without collusion or connection to any person(s) providing an offer for the same work, and that it is made in pursuance of, and subject to, all terms and conditions of the Instructions to Bidders, the Specifications, and all other Solicitation Documents, all of which have been examined by the undersigned.

The Contractor also agrees that if awarded the Contract, to provide insurance certificates within ten (10) working days of the date of Notification of Award. Submittal of this offer will be taken by the Owner as a binding covenant that the Contractor will be prepared to complete the project in its entirety.

The Owner reserves the right to make the award on the basis of the offer deemed most favorable, to waive any formalities or technicalities and to reject any or all offers. It is further agreed that this offer may not be withdrawn for a period of sixty (60) calendar days after closing time. Submission of clarifications and revised offers automatically establish a new thirty day (30) period.

Prices in the bid proposal have not knowingly been disclosed with another provider and will not be prior to award.

- Prices in this bid proposal have been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.
- No attempt has been made nor will be to induce any other person or firm to submit a bid proposal for the purpose of restricting competition.
- The individual signing this bid proposal certifies they are a legal agent of the offeror, authorized to represent the offeror and is legally responsible for the offer with regard to supporting documentation and prices provided.
- Direct purchases by the City of Grand Junction are tax exempt from Colorado Sales or Use Tax. Tax exempt No. 98-903544. The undersigned certifies that no Federal, State, County or Municipal tax will be added to the above quoted prices.
- City of Grand Junction payment terms shall be Net 30 days.
- Prompt payment discount of \_\_\_\_\_ percent of the net dollar will be offered to the Owner if the invoice is paid within \_\_\_\_\_ days after the receipt of the invoice. The Owner reserves the right to take into account any such discounts when determining the bid award.

RECEIPT OF ADDENDA: the undersigned Contractor acknowledges receipt of Addenda to the Solicitation, Specifications, and other Contract Documents.

State number of Addenda received: \_\_\_\_\_.

It is the responsibility of the Bidder to ensure all Addenda have been received and acknowledged.

*By signing below, the Undersigned agree to comply with all terms and conditions contained herein.*

**Company:** \_\_\_\_\_

**Authorized Signature:** \_\_\_\_\_

**Title:** \_\_\_\_\_

## Bid Schedule: 2020 Alley Improvement District

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
<b>ALLEY IMPROVEMENTS</b>						
1	304/401	Hot Bituminous Pavement (Patching) (3-inch thick) (Grading SX, PG 64-22, 75 Gyr.) (Including Class 6 Aggregate Base Course 6-inch thick)(Includes removal of existing asphalt as needed)	100.	SY	\$ _____	\$ _____
2	206	Structural Backfill (flowfill)	30.	CY	\$ _____	\$ _____
3	208	Stabilized Construction Entrance (includes cleaning or maintenance as needed for duration of project)	2.	EA	\$ _____	\$ _____
4	208	Storm Drain Inlet Box Protection	1.	EA	\$ _____	\$ _____
5	208	Concrete Washout	Lump Sum		---	\$ _____
6	209	Dust Abatement	30.	DAYS	\$ _____	\$ _____
7	304	Aggregate Base Course (Class 6) (6 inches thick) (areas on plan between edge of alley and ROW)	35.	Tons	\$ _____	\$ _____
8	304	Subgrade Stabilization (Class 3 Aggregate Base Course) (Complete in Place).	40.	Tons	\$ _____	\$ _____
9	412	Concrete Pavement (8" thick) (Class P) (Includes all Pavement Removals and Unclassified Excavation as needed to Complete)	825.	SY	\$ _____	\$ _____
10	420	Geogrid (Standard)	40.	SY	\$ _____	\$ _____
11	608	Concrete Driveway Section (8" thick) (including 6" Class 6 Aggregate Base Course) (Includes removal of existing Concrete Driveway as needed)	35.	SY	\$ _____	\$ _____
12	608	Concrete Drive Over Curbing (Variable Height)	70.	LF	\$ _____	\$ _____
13	620	Sanitary Facility	Lump sum		---	\$ _____
14	625	Construction Surveying (Includes As-Built Documentation)	Lump sum		---	\$ _____
15	626	Mobilization	Lump sum		---	\$ _____
16	629	Reference, Remove, and Reset Survey Monument	2.	EA	\$ _____	\$ _____
17	630	Traffic Control (Complete in Place)	20.	DAYS	\$ _____	\$ _____
18	630	Traffic Control Plan	Lump sum		---	\$ _____
19	G-56	Weekly Newsletters	6.	Weeks	\$ _____	\$ _____

## Bid Schedule: 2020 Alley Improvement District

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
<b>SANITARY SEWER</b>						
20	304/401	Hot Bituminous Pavement (Patching) (3-inch thick) (Grading SX, PG 64-22, 75 Gyr.) (Including Class 6 Aggregate Base Course 6-inch thick)(Includes removal of existing asphalt as needed)	26.	SY	\$ _____	\$ _____
21	108.2	8" Diameter Gravity Sewer Pipe (SDR 35 PVC) (includes imported trench backfill material)	450.	LF	\$ _____	\$ _____
22	108.3	8" X 4" Sewer Service Tap (Full Body Wye) (Includes all needed 4" SDR-35 PVC service pipe, all bends and fittings, cleanout, vertical piping, cleanout ring and cover, and concrete collar, as required, to align and connect to existing service at ROW line)	13.	EA	\$ _____	\$ _____
23	108.5	Sanitary Sewer Basic Manhole (48" I.D.).	2.	EA	\$ _____	\$ _____
24	108.5	Manhole Barrel (D>5') (48" I.D.).	3.	VLF	\$ _____	\$ _____
25	108.7	Granular Stabilization Material (Type B).	120.	Tons	\$ _____	\$ _____
26	Pump	Bypass Sewage Pumping (At Contractors Discretion)		Lump Sum	---	\$ _____
27	202	Removal of Sanitary Sewer Manhole	2.	EA	\$ _____	\$ _____
28	608	Concrete Driveway Section (8" thick)	2.	SY	\$ _____	\$ _____
29	625	Construction Surveying (Includes As-Built Documentation)		Lump sum	---	\$ _____
30	626	Mobilization		Lump sum	---	\$ _____
31	630	Traffic Contol (Complete in Place)	25.	DAYS	\$ _____	\$ _____
32	630	Traffic Control Plan		Lump sum	---	\$ _____
MCR		Minor Contract Revisions	---	---	---	\$ <u>12,000.00</u>

**Bid Amount:** \$ \_\_\_\_\_

**Bid Amount:**

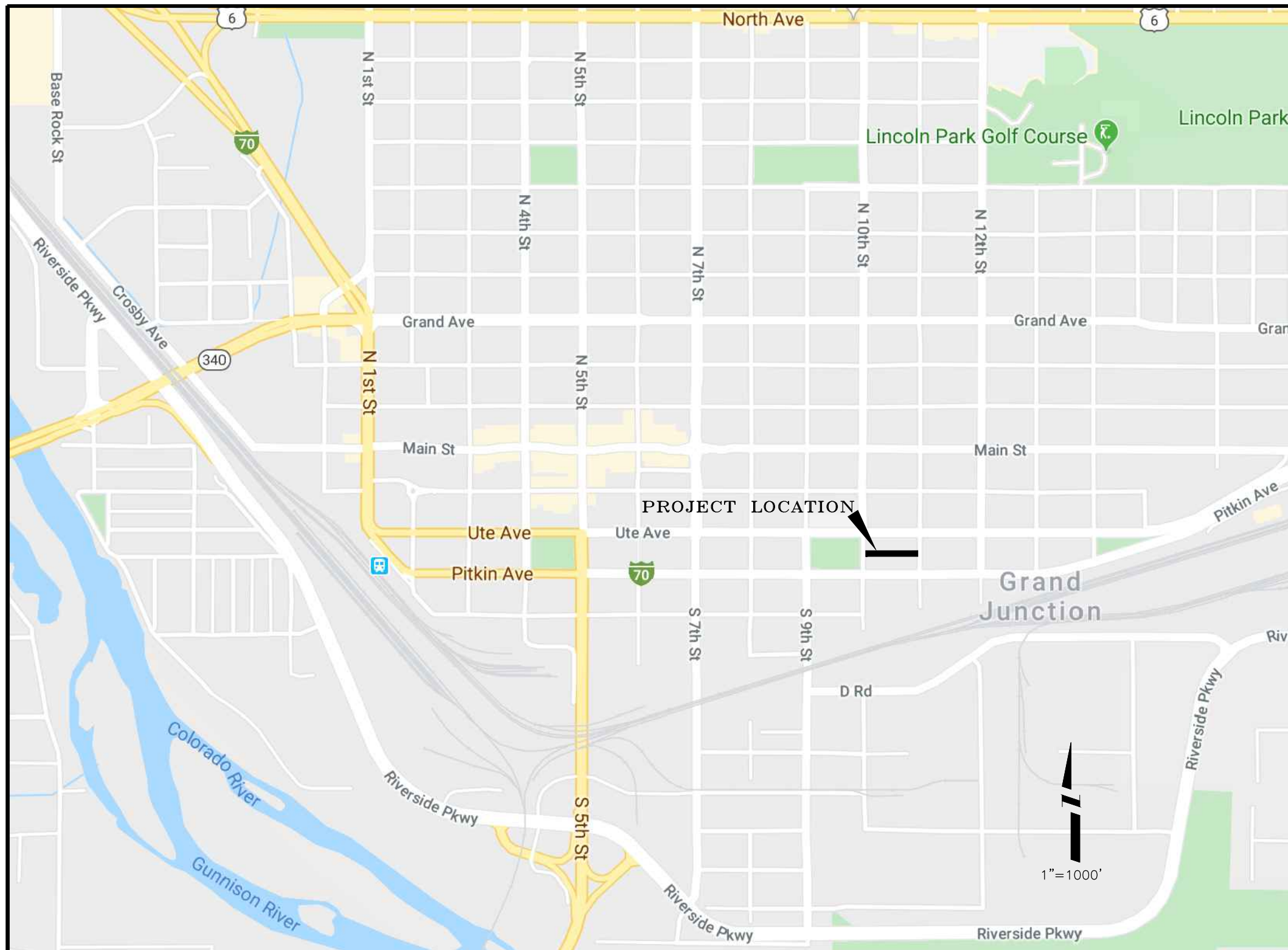
**dollars**

The undersigned Bidder proposes to subcontract the following portion of Work:

<u>Name &amp; address of Sub-Contractor</u>	<u>Description of work to be performed</u>	<u>% of Contract</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

The undersigned Bidder acknowledges the right of the City to reject any and all Bids submitted and to waive informalities and irregularities therein in the City's sole discretion.

By submission of the Bid, each Bidder certifies, and in the case of a joint Bid each party thereto certifies as to his own organization, that this Bid has been arrived at independently, without collusion, consultation, communication, or agreement as to any matter relating to this Bid with any other Bidder or with any competitor.



Sheet List Table	
Sheet Number	Sheet Title
1	COVER
2	STANDARD ABBREVIATIONS, LEGEND, AND SYMBOLS
3	SUMMARY OF QUANTITIES
4	SURVEY CONTROL - 1
5	SANITARY SEWER - 1
6	ALLEY PLAN - 1
7	ALLEY PLAN - 2
8	ALLEY PLAN - 3
9	ALLEY PROFILE - 1
10	ALLEY PROFILE - 2
11	ALLEY PROFILE - 3
12	GRADING DETAIL - 1
13	GRADING DETAIL - 2
14	ALLEY CROSS SECTIONS - 1
15	ALLEY CROSS SECTIONS - 2
16	TYPICAL SECTIONS AND DETAILS - 1
17	STORM WATER MANAGEMENT PLAN - 1

UTILITIES AND AGENCIES

AGENCY	NAME	POSITION	ROLE	MAILING ADDRESS	STREET ADDRESS	CITY, STATE	VOICE-WK	FAX
CITY OF GRAND JUNCTION	JOHN EKLUND	PROJECT ENGINEER	PROJECT ENGINEER	333 WEST AVE BLDG C	333 WEST AVE BLDG C	GRAND JCT., CO 81501	(970) 244-1558	(970) 256-4022
CITY OF GRAND JUNCTION	LEE COOPER	PROJECT ENGINEER	SANITARY SEWER	333 WEST AVE BLDG C	333 WEST AVE BLDG C	GRAND JCT., CO 81501	(970) 256-4155	(970) 256-4022
GRAND VALLEY IRRIGATION CO.	PHIL BERTRAND	MANAGER	IRRIGATION	688 26 RD	688 26 RD	GRAND JCT., CO 81506	(970) 242-2762	
SPECTRUM	JEFF VALDEZ	MANAGER	CABLE TV	2502 FORESIGHT CIRCLE	2502 FORESIGHT CIRCLE	GRAND JCT., CO 81504	(970) 245-8750	(970) 245-6803
CENTURYLINK	CHRIS JOHNSON	ENGINEER	TELEPHONE	2524 BLICHMANN AVE	2524 BLICHMANN AVE	GRAND JCT., CO 81504	(970) 244-4311	(970) 240-4349
UTE WATER	JUSTIN BATES	SUPERVISOR	WATER	PO BOX 460	2190 H 1/4 RD	GRAND JCT., CO 81502	(970) 242-7491	(970) 242-9189
XCEL	STEVE PIBURN	UNIT MANAGER	ELECTRIC	2538 BLICHMANN AVE	2538 BLICHMANN AVE	GRAND JCT., CO 81506	(970) 244-2664	(970) 244-2664
XCEL	SARAH BARRICAU	UNIT MANAGER	GAS	2538 BLICHMANN AVE	2538 BLICHMANN AVE	GRAND JCT., CO 81506	(970) 244-2656	(970) 244-2656

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE UTILITY PLAN WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION Δ REV 1			JCS	2020	
REVISION Δ REV 2			JCS	2020	
REVISION Δ REV 3			JAE	2020	
REVISION Δ REV 4			ICP	2020	



PUBLIC WORKS  
ENGINEERING DIVISION  
PROJECT NO. 201-F00723?

2020 ALLEY IMPROVEMENT DISTRICT  
COVER  
March 3, 2020

**ABBREVIATIONS**

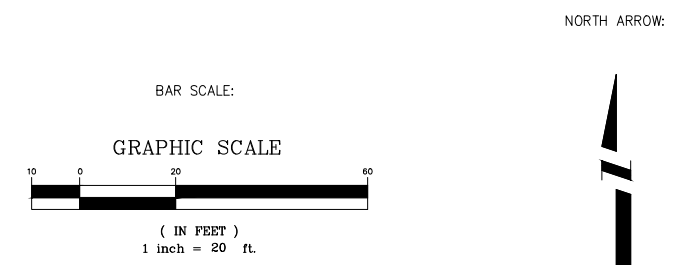
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
ABC	AGGREGATE BASE COURSE
AC	ASBESTOS CEMENT
AP	ANGLE POINT
ASB	ANCHORED STRAW BALES
ASP	ALUMINIZED STEEL PIPE
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
AWWA	AMERICAN WATER WORKS ASSOCIATION
BC	BACK OF CURB
BF	BUTTERFLY VALVE
BOW	BACK OF WALK
BCR	BEGIN CURB RETURN
BOT	BOTTOM
BSWMP	BETTER STORM WATER MANAGEMENT PRACTICES
CH	CHORD
CAP	CORRUGATED ALUMINUM PIPE
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION
CI	CAST IRON
C,G,& SW	CURB, GUTTER & SIDEWALK
CL	CLEAR
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
COMB	COMBINATION (AS IN STORM SEWER AND SANITARY SEWER)
CONC	CONCRETE
CSM	CITY SURVEY MONUMENT
CSP	CORRUGATED STEEL PIPE
CU	COPPER
DI	DUCTILE IRON
DWY	DRIVEWAY
E	ELECTRIC
ECR	END CURB RETURN
EG	EDGE OF GUTTER
EL	ELEVATION
EP	EDGE OF PAVEMENT
EX	EXISTING
FB	FULL BODY
FC	FACE OF CURB
FG	FINISHED GRADE
FL	FLOW LINE
FM	FLANGE
FO	FORCE MAIN
FS	FIBER OPTICS
FTG	FAR SIDE
G	FOOTING
GB	GAS
GM	GRADE BREAK
GV	GAS METER
HBP	GATE VALVE
HDPE	HOT BITUMINOUS PAVEMENT
INV	HIGH DENSITY POLYETHYLENE
IRR	INVERT
L	IRRIGATION
LC	LENGTH OF ARC
LF	LONG CHORD
LL	LINEAR FEET
LS	LONG ARC
LT	SHORT ARC
MB	LEFT
MCSM	MAILBOX
MH	MESA COUNTY SURVEY MONUMENT
MJ	MANHOLE
MW	MECHANICAL JOINT
N/A	MILL WRAP
NIC	NOT APPLICABLE
NOP	NOT IN CONTRACT
NRC	NO ONE PERSON
NS	NON-REINFORCED CONCRETE PIPE
NTS	NEAR SIDE
OHP	NOT TO SCALE
OHT	OVERHEAD POWER
PC	OVERHEAD TELEPHONE
PCC	POINT OF CURVATURE
PE	POINT OF COMPOUND CURVATURE
PERF	POLYETHYLENE
PIP	PERFORATED
POC	POINT OF INTERSECTION
POT	PLASTIC IRRIGATION PIPE
PR	POINT ON CURVE
PRC	POINT ON TANGENT
PT	PROPOSED
PVC	POINT OF REVERSE CURVATURE
R	POINT OF TANGENCY
RCP	RADIUS
REQ'D	POLYVINYL CHLORIDE
RG	REINFORCED CONCRETE PIPE
RL	REQUIRED
ROW	RESTRAINED GLANDS
RP	LONG RADIUS
RR	RIGHT OF WAY
RS	RADIUS POINT
RT	RAIL ROAD
S	SHORT RADIUS
SAN	RIGHT
SC	SLOPE
SCD	SANITARY
SCH	SHORT CHORD
SF	STANDARD CONTRACT DOCUMENTS
SL	SCHEDULE
SSRB	SILT FENCE
SSUU	SECTION LINE
STA	STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION
STL	STANDARD SPECIFICATIONS FOR CONSTRUCTION OF UNDERGROUND UTILITIES
STM	STATION
T	STEEL
TAN	STORM
TC	TELEPHONE
TH	LENGTH OF TANGENT
TV	TOP OF CURB
(TYP)	TEST HOLE
UU	TELEVISION
VC	TYPICAL
VCP	UNDERGROUND UTILITIES
VPC	VERTICAL CURVE
VPCC	VITRIFIED CLAY PIPE
VPRC	VERTICAL POINT OF CURVATURE
VPI	VERTICAL POINT OF COMPOUND CURVATURE
VPT	VERTICAL POINT OF REVERSE CURVATURE
W	VERTICAL POINT OF INTERSECTION
Δ	VERTICAL POINT OF TANGENCY
	WATER
	DELTA ANGLE

**LEGEND**

BSWMP DRAINAGE BASIN BOUNDARY		PROPOSED CONCRETE CURB AND GUTTER	
BSWMP ANCHORED STRAW BALES		PROPOSED CONCRETE CURB, GUTTER, & SIDEWALK	
BSWMP SILT FENCE		PROPOSED CONCRETE SIDEWALK	
BUILDING		PROPOSED "WET" UTILITIES (CONSTRUCTION NOTE WILL INDICATE TYPE, SIZE, AND MATERIAL OF NEW MAIN)	
CONCRETE CURB AND GUTTER		ALL PROPOSED FEATURES NOT SHOWN IN LEGEND WILL BE SHOWN THE SAME AS THEIR EXISTING COUNTERPART, BUT INDICATED BY BOLDER LINETYPE	
CONCRETE CURB, GUTTER, & SIDEWALK		RAIL ROAD	
CONCRETE DITCH		RETAINING WALL	
CONCRETE SIDEWALK		STRIPING (CONTINUOUS WHITE)	
CULVERT		STRIPING (DASHED WHITE)	
EARTH DITCH		STRIPING (CONTINUOUS YELLOW)	
EDGE OF GRAVEL		STRIPING (DASHED YELLOW)	
EDGE OF PAVEMENT		TOP OF SLOPE	
FENCE (HT & MATL NOTED)		TOE OF SLOPE	
GUARD RAIL		CONTOUR LINES (SHOWN BETWEEN TOP & TOE)	
HATCHING: INDICATES ASPHALT REMOVAL		TRAFFIC DETECTOR LOOP	
HATCHING: INDICATES CONCRETE REMOVAL		UTILITY LINE (ABANDON) (THIS CASE A WATER LINE)	
HATCHING: INDICATES STAGING AREA		UTILITY LINE (CABLE TV)	
LINE (CENTER OF IMPROVEMENTS)		UTILITY LINE (ELECTRIC)	
LINE (CITY LIMITS)		UTILITY LINE (FIBER OPTIC)	
LINE (CONTROL)		UTILITY LINE (GAS)	
LINE (EASEMENT)		UTILITY LINE (HIGH VOLTAGE OVERHEAD POWER)	
LINE (MONUMENT/SECTION)		UTILITY LINE (OVERHEAD POWER)	
LINE (PROPERTY)		UTILITY LINE (OVERHEAD TELEPHONE)	
LINE (RIGHT OF WAY)		UTILITY LINE (SANITARY SEWER)	
MATCH LINE		UTILITY LINE (SANITARY SEWER FORCE MAIN)	
PIPE (IRRIGATION)		UTILITY LINE (SANITARY SEWER SERVICE)	
PIPE (SIPHON)		UTILITY LINE (STORM SEWER)	
		UTILITY LINE (STORM SEWER, PERFORATED)	
		UTILITY LINE (STORM/SANITARY SEWER SEWER COMBINATION)	
		UTILITY LINE (TELEPHONE)	
		UTILITY LINE (WATER)	

**SYMBOLS**

BENCH MARK	
CATCH BASIN	
CLEAN OUT	
CURB STOP	
FIRE HYDRANT	
GUY WIRE ANCHOR	
HEADGATE	
IRRIGATION PUMP	
MAILBOX	
MANHOLE (ELECTRIC)	
MANHOLE (GAS)	
MANHOLE (SANITARY/STORM)	
MANHOLE (TELEPHONE)	
MANHOLE (TV)	
MANHOLE (WATER)	
METER (GAS)	
METER (WATER)	
PEDESTAL (TELEPHONE)	
PEDESTAL (TV)	
PROPERTY PIN	
PULL BOX	
REDUCER FITTING	
SIGN OR POST (SIGN TYPE NOTED)	
SPRINKLER HEAD	
STREET LIGHT	
SURVEY MONUMENT (CITY)	
SURVEY MONUMENT (TYPE NOTED)	
TEST HOLE	
TRAFFIC PAINT MARKING	
TRAFFIC SIGNAL POLE AND MAST ARM	
UTILITY POLE	
VALVE (GAS)	
VALVE (IRRIGATION)	
VALVE (WATER)	
VEGETATION (HEDGE OR BUSH)	
VEGETATION (TREE STUMP)	
VEGETATION (TREE) (CALIPER SIZE NOTED)	
WATER HYDRANT	
WEIR	
YARD LIGHT	



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION Δ REV 1			JCS	2020	
REVISION Δ REV 2			JCS	2020	
REVISION Δ REV 3			JAE	2020	
REVISION Δ REV 4			JCP	2020	



**PUBLIC WORKS ENGINEERING DIVISION**  
PROJECT NO. 201-F00723?

**2020 ALLEY IMPROVEMENT DISTRICT STANDARD ABBREVIATIONS, LEGEND, AND SYMBOLS**

N:\Landproj\2020 Alley Reconstruction\dwg\STANDARD ABBREVIATIONS LEGEND AND SYMBOLS.dwg, 3/3/2020 3:53:02 PM

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
----------	-----------------	-------------	----------	-------	------------	-------------

**ALLEY IMPROVEMENTS**

1	304/401	Hot Bituminous Pavement (Patching) (3-inch thick) (Grading SX, PG 64-22, 75 Gyr.) (Including Class 6 Aggregate Base Course 6-inch thick)(Includes removal of existing asphalt as needed)	100.	SY	\$ _____	\$ _____
2	206	Structural Backfill (flowfill)	30.	CY	\$ _____	\$ _____
3	208	Stabilized Construction Entrance (includes cleaning or maintenance as needed for duration of project)	2.	EA	\$ _____	\$ _____
4	208	Storm Drain Inlet Box Protection	1.	EA	\$ _____	\$ _____
5	208	Concrete Washout	Lump Sum		---	\$ _____
6	209	Dust Abatement	30.	DAYS	\$ _____	\$ _____
7	304	Aggregate Base Course (Class 6) (6 inches thick) (areas on plan between edge of alley and ROW)	35.	Tons	\$ _____	\$ _____
8	304	Subgrade Stabilization (Class 3 Aggregate Base Course) (Complete in Place).	40.	Tons	\$ _____	\$ _____
9	412	Concrete Pavement (8" thick) (Class P) (Includes all Pavement Removals and Unclassified Excavation as needed to Complete)	825.	SY	\$ _____	\$ _____
10	420	Geogrid (Standard)	40.	SY		
11	608	Concrete Driveway Section (8" thick) (including 6" Class 6 Aggregate Base Course) (Includes removal of existing Concrete Driveway as needed)	35.	SY	\$ _____	\$ _____
12	608	Concrete Drive Over Curbing (Variable Height)	70.	LF	\$ _____	\$ _____
13	620	Sanitary Facility	Lump sum		---	\$ _____
14	625	Construction Surveying (Includes As-Built Documentation)	Lump sum		---	\$ _____
15	626	Mobilization	Lump sum		---	\$ _____
16	629	Reference, Remove, and Reset Survey Monument	2.	EA	\$ _____	\$ _____
17	630	Traffic Control (Complete in Place)	20.	DAYS	\$ _____	\$ _____
18	630	Traffic Control Plan	Lump sum		---	\$ _____
19	G-56	Weekly Newsletters	6.	Weeks	\$ _____	\$ _____

**SANITARY SEWER**

20	304/401	Hot Bituminous Pavement (Patching) (3-inch thick) (Grading SX, PG 64-22, 75 Gyr.) (Including Class 6 Aggregate Base Course 6-inch thick)(Includes removal of existing asphalt as needed)	26.	SY	\$ _____	\$ _____
21	108.2	8" Diameter Gravity Sewer Pipe (SDR 35 PVC) (includes imported trench backfill material)	450.	LF	\$ _____	\$ _____
22	108.3	8" X 4" Sewer Service Tap (Full Body Wye) (Includes all needed 4" SDR-35 PVC service pipe, all bends and fittings, cleanout, vertical piping, cleanout ring and cover, and concrete collar, as required, to align and connect to existing service at ROW line)	13.	EA	\$ _____	\$ _____
23	108.5	Sanitary Sewer Basic Manhole (48" I.D.).	2.	EA	\$ _____	\$ _____
24	108.5	Manhole Barrel (D>5') (48" I.D.).	3.	VLF	\$ _____	\$ _____
25	108.7	Granular Stabilization Material (Type B).	120.	Tons	\$ _____	\$ _____
26	Pump	Bypass Sewage Pumping (At Contractors Discretion)	Lump Sum		---	\$ _____
27	202	Removal of Sanitary Sewer Manhole	2.	EA	\$ _____	\$ _____
28	608	Concrete Driveway Section (8" thick)	2.	SY	\$ _____	\$ _____
29	625	Construction Surveying (Includes As-Built Documentation)	Lump sum		---	\$ _____
30	626	Mobilization	Lump sum		---	\$ _____
31	630	Traffic Control (Complete in Place)	25.	DAYS	\$ _____	\$ _____
32	630	Traffic Control Plan	Lump sum		---	\$ _____
MCR		Minor Contract Revisions	---		---	\$ 12,000.00

Bid Amount: \$ \_\_\_\_\_

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION Δ REV 1			JCS	2020	
REVISION Δ REV 2			JCS	2020	
REVISION Δ REV 3			JAE	2020	
REVISION Δ REV 4			ICP	2020	

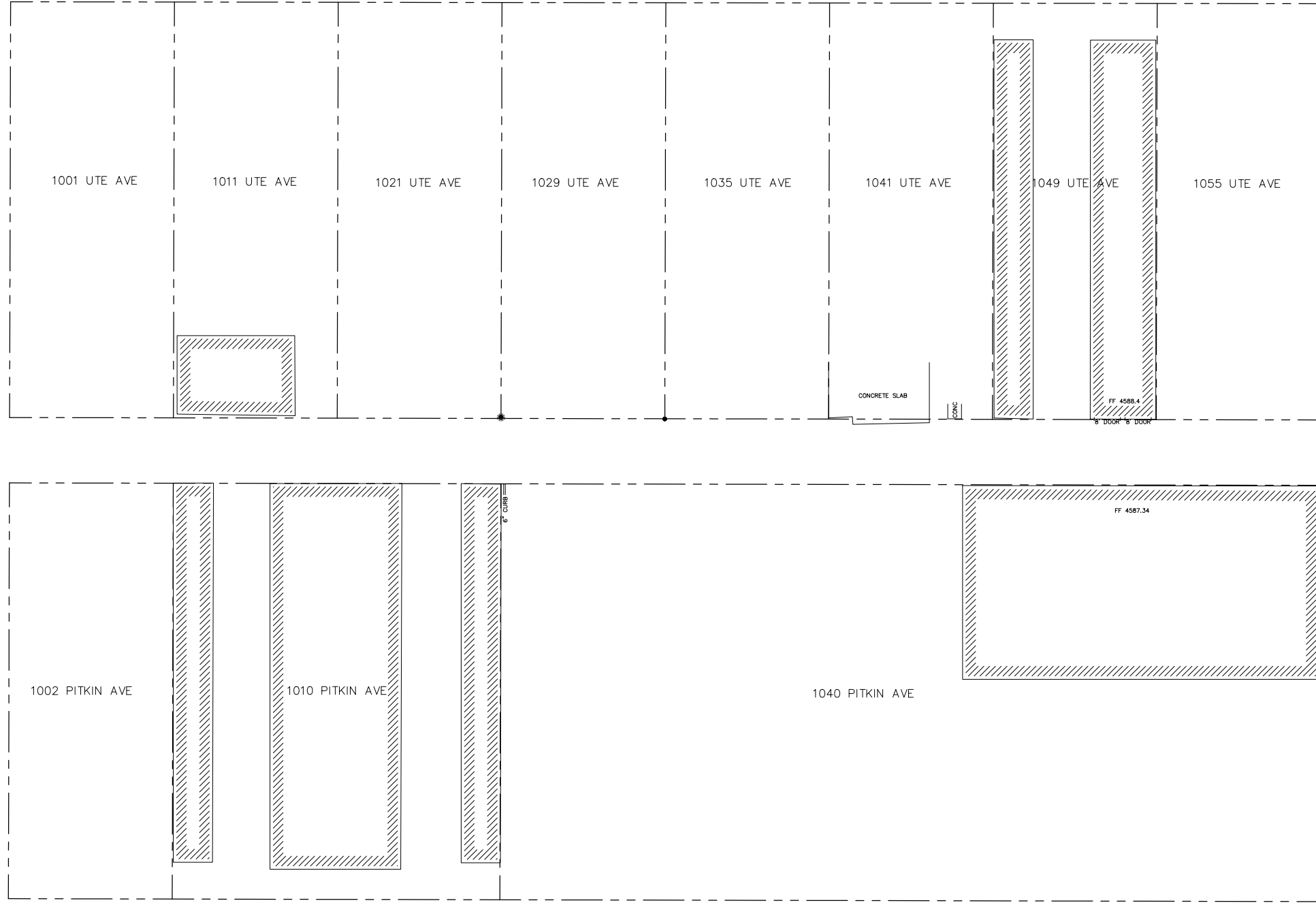


**PUBLIC WORKS  
ENGINEERING DIVISION**  
PROJECT NO. 201-F00723?

**2020 ALLEY IMPROVEMENT DISTRICT  
SUMMARY OF QUANTITIES**  
March 5, 2020



UTE AVENUE



CP /PK 10TH/  
N 34907.4540  
E 93698.22  
EL 4585.60

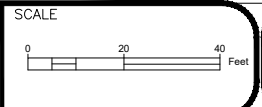
CP /PK 11TH/  
N 34892.1970  
E 94177.93  
EL 4586.57

PITKIN AVENUE



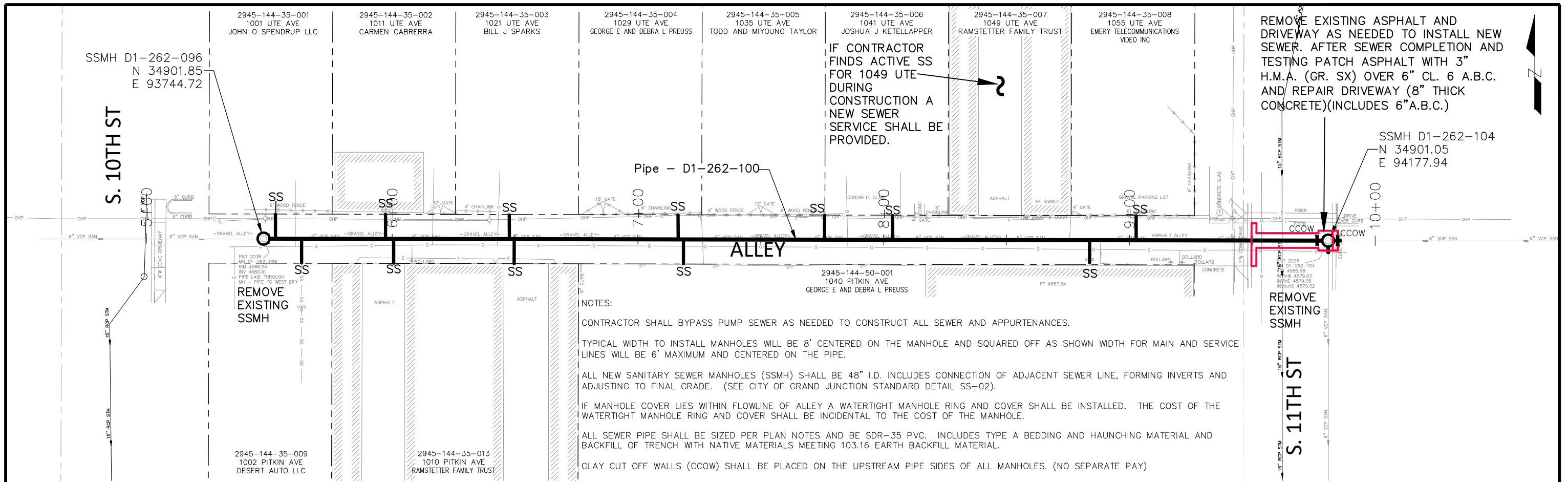
REVISION	DESCRIPTION	DATE
REVISION Δ REV 1		
REVISION Δ REV 2		
REVISION Δ REV 3		
REVISION Δ REV 4		

DRAWN BY JCS DATE 2020  
DESIGNED BY JCS DATE 2020  
CHECKED BY JAE DATE 2020  
APPROVED BY TGP DATE 2020



PUBLIC WORKS  
ENGINEERING DIVISION  
PROJECT NO. 201-F00723?

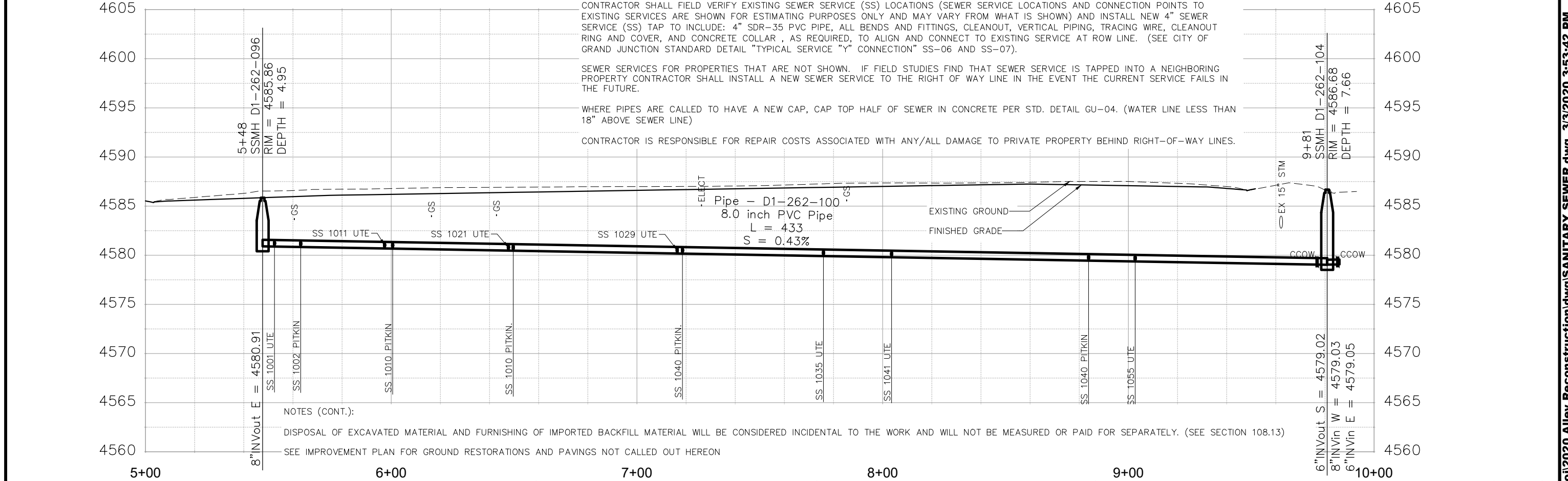
2020 ALLEY IMPROVEMENT DISTRICT  
SURVEY CONTROL - 1  
March 3, 2020



**NOTES:**

- CONTRACTOR SHALL BYPASS PUMP SEWER AS NEEDED TO CONSTRUCT ALL SEWER AND APPURTENANCES.
- TYPICAL WIDTH TO INSTALL MANHOLES WILL BE 8' CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN WIDTH FOR MAIN AND SERVICE LINES WILL BE 6' MAXIMUM AND CENTERED ON THE PIPE.
- ALL NEW SANITARY SEWER MANHOLES (SSMH) SHALL BE 48" I.D. INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- IF MANHOLE COVER LIES WITHIN FLOWLINE OF ALLEY A WATERTIGHT MANHOLE RING AND COVER SHALL BE INSTALLED. THE COST OF THE WATERTIGHT MANHOLE RING AND COVER SHALL BE INCIDENTAL TO THE COST OF THE MANHOLE.
- ALL SEWER PIPE SHALL BE SIZED PER PLAN NOTES AND BE SDR-35 PVC. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- CLAY CUT OFF WALLS (CCOW) SHALL BE PLACED ON THE UPSTREAM PIPE SIDES OF ALL MANHOLES. (NO SEPARATE PAY)

- CONTRACTOR SHALL FIELD VERIFY EXISTING SEWER SERVICE (SS) LOCATIONS (SEWER SERVICE LOCATIONS AND CONNECTION POINTS TO EXISTING SERVICES ARE SHOWN FOR ESTIMATING PURPOSES ONLY AND MAY VARY FROM WHAT IS SHOWN) AND INSTALL NEW 4" SEWER SERVICE (SS) TAP TO INCLUDE: 4" SDR-35 PVC PIPE, ALL BENDS AND FITTINGS, CLEANOUT, VERTICAL PIPING, TRACING WIRE, CLEANOUT RING AND COVER, AND CONCRETE COLLAR, AS REQUIRED, TO ALIGN AND CONNECT TO EXISTING SERVICE AT ROW LINE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL "TYPICAL SERVICE "Y" CONNECTION" SS-06 AND SS-07).
- SEWER SERVICES FOR PROPERTIES THAT ARE NOT SHOWN. IF FIELD STUDIES FIND THAT SEWER SERVICE IS TAPPED INTO A NEIGHBORING PROPERTY CONTRACTOR SHALL INSTALL A NEW SEWER SERVICE TO THE RIGHT OF WAY LINE IN THE EVENT THE CURRENT SERVICE FAILS IN THE FUTURE.
- WHERE PIPES ARE CALLED TO HAVE A NEW CAP, CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)
- CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINES.

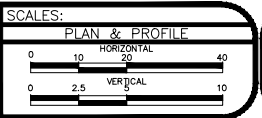


**NOTES (CONT.):**

- DISPOSAL OF EXCAVATED MATERIAL AND FURNISHING OF IMPORTED BACKFILL MATERIAL WILL BE CONSIDERED INCIDENTAL TO THE WORK AND WILL NOT BE MEASURED OR PAID FOR SEPARATELY. (SEE SECTION 108.13)
- SEE IMPROVEMENT PLAN FOR GROUND RESTORATIONS AND PAVINGS NOT CALLED OUT HEREON

REVISION	DATE	DESCRIPTION
REV 1		
REV 2		
REV 3		
REV 4		

DRAWN BY	JCS	DATE	2020
DESIGNED BY	JCS	DATE	2020
CHECKED BY	JAE	DATE	2020
APPROVED BY	ICP	DATE	2020



**PUBLIC WORKS  
ENGINEERING DIVISION**  
PROJECT NO. 201-F00723?

**2020 ALLEY IMPROVEMENT DISTRICT  
SANITARY SEWER - 1**  
March 3, 2020

N:\Landproj\2020 Alley Reconstruction\dwg\SANITARY SEWER.dwg, 3/3/2020 3:53:42 PM

2945-144-35-001  
1001 UTE AVE  
JOHN O SPENDRUP LLC

UTE AVE

2945-144-35-002  
1011 UTE AVE  
CARMEN CABRERA

2945-144-35-003  
1021 UTE AVE  
BILL J SPARKS

NOTE:  
CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINES AND FOR ANY DAMAGE TO ANY ITEM NOT CALLED OUT HEREON TO BE REMOVED, REPLACED, OR RESET.

EXISTING GUY ANCHOR SHALL BE RESET OUT OF ALLEY PAVING BY OTHERS

WHERE PART OF THE UTILITY POLE ENCLOSES INTO THE NEW ALLEY PLACE 1/2" PREFORMED FOAM JOINT FILLER MATERIAL (FULL DEPTH) AROUND BASE OF POLE AND POUR CONCRETE AROUND. (TYPE "A" ISOLATION JOINT)

6" CLASS 6 AGGREGATE BASE COURSE. COMPACT TO 90% AASHTO T-180.

WHERE PART OF THE UTILITY POLE ENCLOSES INTO THE NEW ALLEY PLACE 1/2" PREFORMED FOAM JOINT FILLER MATERIAL (FULL DEPTH) AROUND BASE OF POLE AND POUR CONCRETE AROUND. (TYPE "A" ISOLATION JOINT)

CONSTRUCT ALLEY: CONCRETE PAVEMENT (8" THICK) TO LINES AND GRADES SHOWN. THE REMOVAL OF ALL ASPHALT, CONCRETE PAVEMENT AND UNCLASSIFIED EXCAVATION SHALL BE CONSIDERED INCIDENTAL TO THE ALLEY CONSTRUCTION AND WILL NOT BE MEASURED OR PAID FOR SEPARATELY AS CITED IN SECTION 108.13.

EXISTING GUY ANCHORS SHALL BE RESET OUT OF ALLEY PAVING BY OTHERS

6' WOOD FENCE

12' GATE

4' CHAINLINK

EDGE OF ALLEY (8' LT)  
FL ALLEY AT CL OF ROW

EDGE OF ALLEY (8' RT)

6" VCP SAN

~GRAVEL ALLEY~

6" VCP SAN

~GRAVEL ALLEY~

6" VCP SAN

~GRAVEL ALLEY~

6" CLASS 6 AGGREGATE BASE COURSE. COMPACT TO 90% AASHTO T-180.

PNT 2038

MH D1-262-096

RIM 4586.54 SEE SANITARY SEWER PLAN  
INV 4580.91  
PIPE LAID THROUGH MH - PIPE TO WEST DRY

REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. REPLACE WITH CONCRETE DRIVEWAY SECTION (8" THICK) (COMMERCIAL) INSTALL TYPE "A" ISOLATION JOINT BETWEEN EDGE OF ALLEY AND NEW DRIVEWAY.

REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. REPLACE WITH 3" THICK HOT BITUMINOUS PAVEMENT (GRADING SX) OVER 6" THICK AGGREGATE BASE COURSE (CLASS 6). (SEE STANDARD CONTRACT DOCUMENTS, ASPHALTIC PATCHING C-27.)

EXISTING BOLLARD REMAINS IN PLACE

6" CLASS 6 AGGREGATE BASE COURSE. COMPACT TO 90% AASHTO T-180.

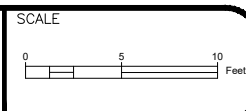
PAVE BETWEEN EDGE OF ALLEY AND DRIVE WITH 3" THICK HOT BITUMINOUS PAVEMENT (GRADING SX) OVER 6" THICK AGGREGATE BASE COURSE (CLASS 6). (SEE STANDARD CONTRACT DOCUMENTS, ASPHALTIC PATCHING C-27.)

2945-144-35-013  
1010 PITKIN AVE  
RAMSTETTER FAMILY TRUST

2945-144-35-009  
1002 PITKIN AVE  
DESERT AUTO LLC

PITKIN AVE

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION 1			JCS	2020
REVISION 2			JCS	2020
REVISION 3			JAE	2020
REVISION 4			ICP	2020



PUBLIC WORKS  
ENGINEERING DIVISION  
PROJECT NO. 201-F00723?

2020 ALLEY IMPROVEMENT DISTRICT  
ALLEY PLAN - 1  
March 3, 2020

N:\Landproj\2020 Alley Reconstruction\dwg\ALLEY PLAN.dwg, 3/3/2020 3:53:58 PM

2945-144-35-003  
1021 UTE AVE  
BILL J SPARKS

2945-144-35-004  
1029 UTE AVE  
GEORGE E AND DEBRA L PREUSS

### UTE AVE

2945-144-35-005  
1035 UTE AVE  
TODD AND MIYOUNG TAYLOR

2945-144-35-006  
1041 UTE AVE  
JOSHUA J KETELLAPPER

CONSTRUCT ALLEY: CONCRETE PAVEMENT (8" THICK) TO LINES AND GRADES SHOWN. THE REMOVAL OF ALL ASPHALT, CONCRETE PAVEMENT AND UNCLASSIFIED EXCAVATION SHALL BE CONSIDERED INCIDENTAL TO THE ALLEY CONSTRUCTION AND WILL NOT BE MEASURED OR PAID FOR SEPARATELY AS CITED IN SECTION 108.13.

VARIABLE HEIGHT DRIVE OVER CURBING AND ALLEY PAVEING BETWEEN NORMAL EDGE OF ALLEY AND CURBING TO GET TO GRADE OF CONCRETE SLAB. IT IS CRUCIAL THAT GRADES AS OUTLINED IN GRADING DETAILS ARE FOLLOWED TO ENSURE PROPER DRAINAGE AND FIT. CURBING, PAVING, AND ALLEY SHALL BE POURED MONOLITHICALLY. ITEMS ARE SEPARATED FOR ESTIMATING PURPOSES. INSTALL TYPE "A" ISOLATION JOINT BETWEEN BACK OF CURB AND EXISTING CONCRETE SLAB.

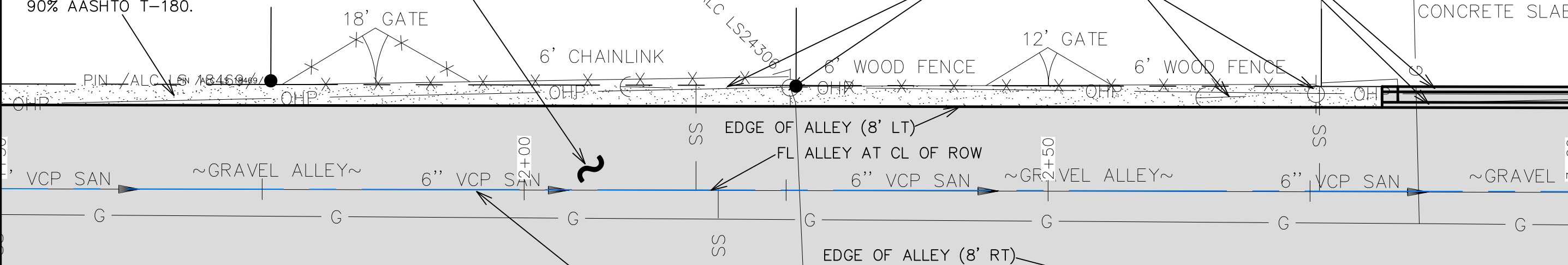
6" CLASS 6 AGGREGATE BASE COURSE. COMPACT TO 90% AASHTO T-180.

PROTECT GUY ANCHOR AND UTILITY POLE IN PLACE

CONCRETE SLAB

MATCH LINE

MATCH LINE



6" CLASS 6 AGGREGATE BASE COURSE. COMPACT TO 90% AASHTO T-180.

SEE SANITARY SEWER PLAN

PROTECT CURB IN PLACE

ASPHALT

ASPHALT PARKING

ASPHALT PARKING

ASPHALT PARKING

PAVE BETWEEN EDGE OF ALLEY AND DRIVE WITH 3" THICK HOT BITUMINOUS PAVEMENT (GRADING SX) OVER 6" THICK AGGREGATE BASE COURSE (CLASS 6). (SEE STANDARD CONTRACT DOCUMENTS, ASPHALTIC PATCHING C-27.)

PAVE BETWEEN EDGE OF ALLEY AND PARKING WITH 3" THICK HOT BITUMINOUS PAVEMENT (GRADING SX) OVER 6" THICK AGGREGATE BASE COURSE (CLASS 6). (SEE STANDARD CONTRACT DOCUMENTS, ASPHALTIC PATCHING C-27.) FENCE AT PARKING AREA NOT SHOWN SHALL BE PROTECTED IN PLACE DURING PAVING OPERATIONS. ANY DAMAGE TO FENCE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE

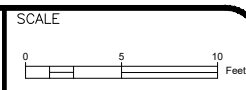
NOTE: CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINES AND FOR ANY DAMAGE TO ANY ITEM NOT CALLED OUT HEREON TO BE REMOVED, REPLACED, OR RESET.

2945-144-35-013  
1010 PITKIN AVE  
RAMSTETTER FAMILY TRUST

### PITKIN AVE

2945-144-50-001  
1040 PITKIN AVE  
GEORGE E AND DEBRA L PREUSS

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REV 1			JCS	2020
REV 2			JCS	2020
REV 3			JAE	2020
REV 4			ICP	2020



PUBLIC WORKS  
ENGINEERING DIVISION  
PROJECT NO. 201-F00723?

2020 ALLEY IMPROVEMENT DISTRICT  
ALLEY PLAN - 2  
March 3, 2020

N:\Landproj\2020 Alley Reconstruction\dwg\ALLEY PLAN.dwg, 3/3/2020 3:54:00 PM

2945-144-35-006  
1041 UTE AVE  
JOSHUA J KETELLAPPER

2945-144-35-007  
1049 UTE AVE  
RAMSTETTER FAMILY TRUST

UTE AVE

2945-144-35-008  
1055 UTE AVE  
EMERY TELECOMMUNICATIONS & VIDEO INC

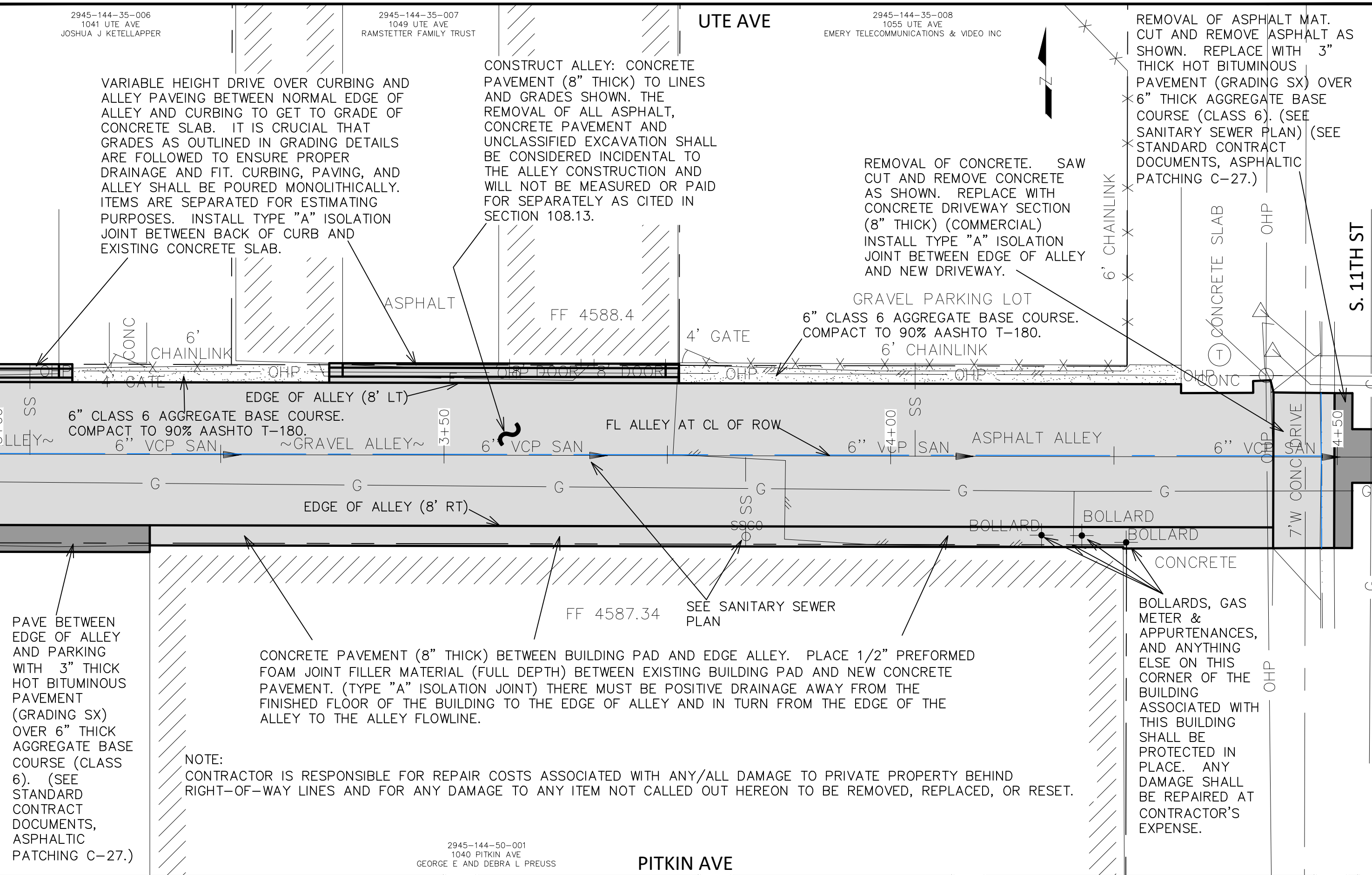
VARIABLE HEIGHT DRIVE OVER CURBING AND ALLEY PAVING BETWEEN NORMAL EDGE OF ALLEY AND CURBING TO GET TO GRADE OF CONCRETE SLAB. IT IS CRUCIAL THAT GRADES AS OUTLINED IN GRADING DETAILS ARE FOLLOWED TO ENSURE PROPER DRAINAGE AND FIT. CURBING, PAVING, AND ALLEY SHALL BE POURED MONOLITHICALLY. ITEMS ARE SEPARATED FOR ESTIMATING PURPOSES. INSTALL TYPE "A" ISOLATION JOINT BETWEEN BACK OF CURB AND EXISTING CONCRETE SLAB.

CONSTRUCT ALLEY: CONCRETE PAVEMENT (8" THICK) TO LINES AND GRADES SHOWN. THE REMOVAL OF ALL ASPHALT, CONCRETE PAVEMENT AND UNCLASSIFIED EXCAVATION SHALL BE CONSIDERED INCIDENTAL TO THE ALLEY CONSTRUCTION AND WILL NOT BE MEASURED OR PAID FOR SEPARATELY AS CITED IN SECTION 108.13.

REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. REPLACE WITH CONCRETE DRIVEWAY SECTION (8" THICK) (COMMERCIAL) INSTALL TYPE "A" ISOLATION JOINT BETWEEN EDGE OF ALLEY AND NEW DRIVEWAY.

REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. REPLACE WITH 3" THICK HOT BITUMINOUS PAVEMENT (GRADING SX) OVER 6" THICK AGGREGATE BASE COURSE (CLASS 6). (SEE SANITARY SEWER PLAN) (SEE STANDARD CONTRACT DOCUMENTS, ASPHALTIC PATCHING C-27.)

GRAVEL PARKING LOT  
6" CLASS 6 AGGREGATE BASE COURSE. COMPACT TO 90% AASHTO T-180.



PAVE BETWEEN EDGE OF ALLEY AND PARKING WITH 3" THICK HOT BITUMINOUS PAVEMENT (GRADING SX) OVER 6" THICK AGGREGATE BASE COURSE (CLASS 6). (SEE STANDARD CONTRACT DOCUMENTS, ASPHALTIC PATCHING C-27.)

CONCRETE PAVEMENT (8" THICK) BETWEEN BUILDING PAD AND EDGE ALLEY. PLACE 1/2" PREFORMED FOAM JOINT FILLER MATERIAL (FULL DEPTH) BETWEEN EXISTING BUILDING PAD AND NEW CONCRETE PAVEMENT. (TYPE "A" ISOLATION JOINT) THERE MUST BE POSITIVE DRAINAGE AWAY FROM THE FINISHED FLOOR OF THE BUILDING TO THE EDGE OF ALLEY AND IN TURN FROM THE EDGE OF THE ALLEY TO THE ALLEY FLOWLINE.

NOTE:  
CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINES AND FOR ANY DAMAGE TO ANY ITEM NOT CALLED OUT HEREON TO BE REMOVED, REPLACED, OR RESET.

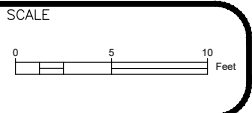
BOLLARDS, GAS METER & APPURTENANCES, AND ANYTHING ELSE ON THIS CORNER OF THE BUILDING ASSOCIATED WITH THIS BUILDING SHALL BE PROTECTED IN PLACE. ANY DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.

2945-144-50-001  
1040 PITKIN AVE  
GEORGE E AND DEBRA L PREUSS

PITKIN AVE

REVISION	DESCRIPTION	DATE
REVISION Δ REV 1		
REVISION Δ REV 2		
REVISION Δ REV 3		
REVISION Δ REV 4		

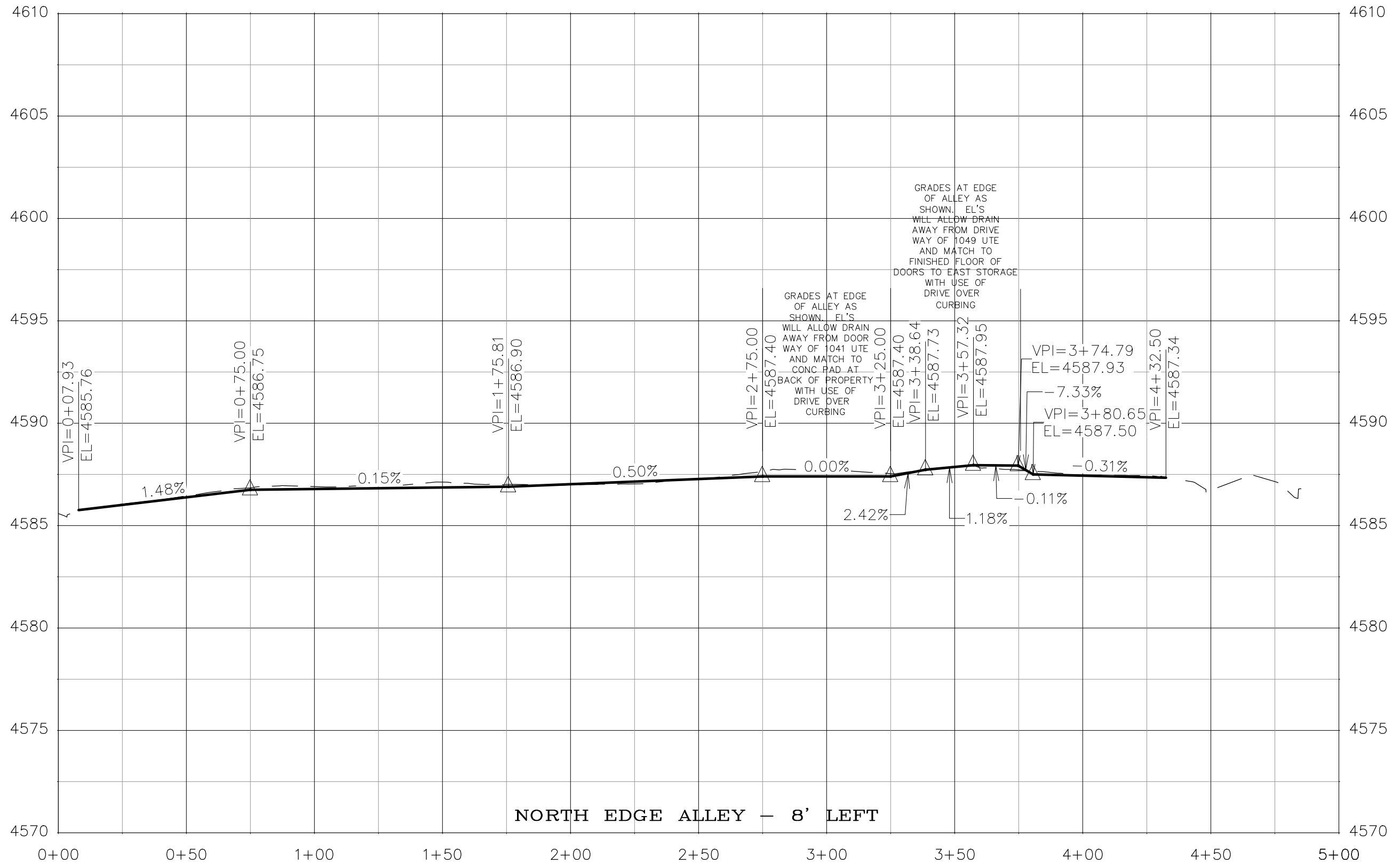
DRAWN BY	JCS	DATE	2020
DESIGNED BY	JCS	DATE	2020
CHECKED BY	JAE	DATE	2020
APPROVED BY	ICP	DATE	2020



PUBLIC WORKS  
ENGINEERING DIVISION  
PROJECT NO. 201-F00723?

2020 ALLEY IMPROVEMENT DISTRICT  
ALLEY PLAN - 3  
March 3, 2020

N:\Landproj\2020 Alley Reconstruction\dwg\ALLEY PLAN.dwg, 3/3/2020 3:54:01 PM



**NORTH EDGE ALLEY — 8' LEFT**

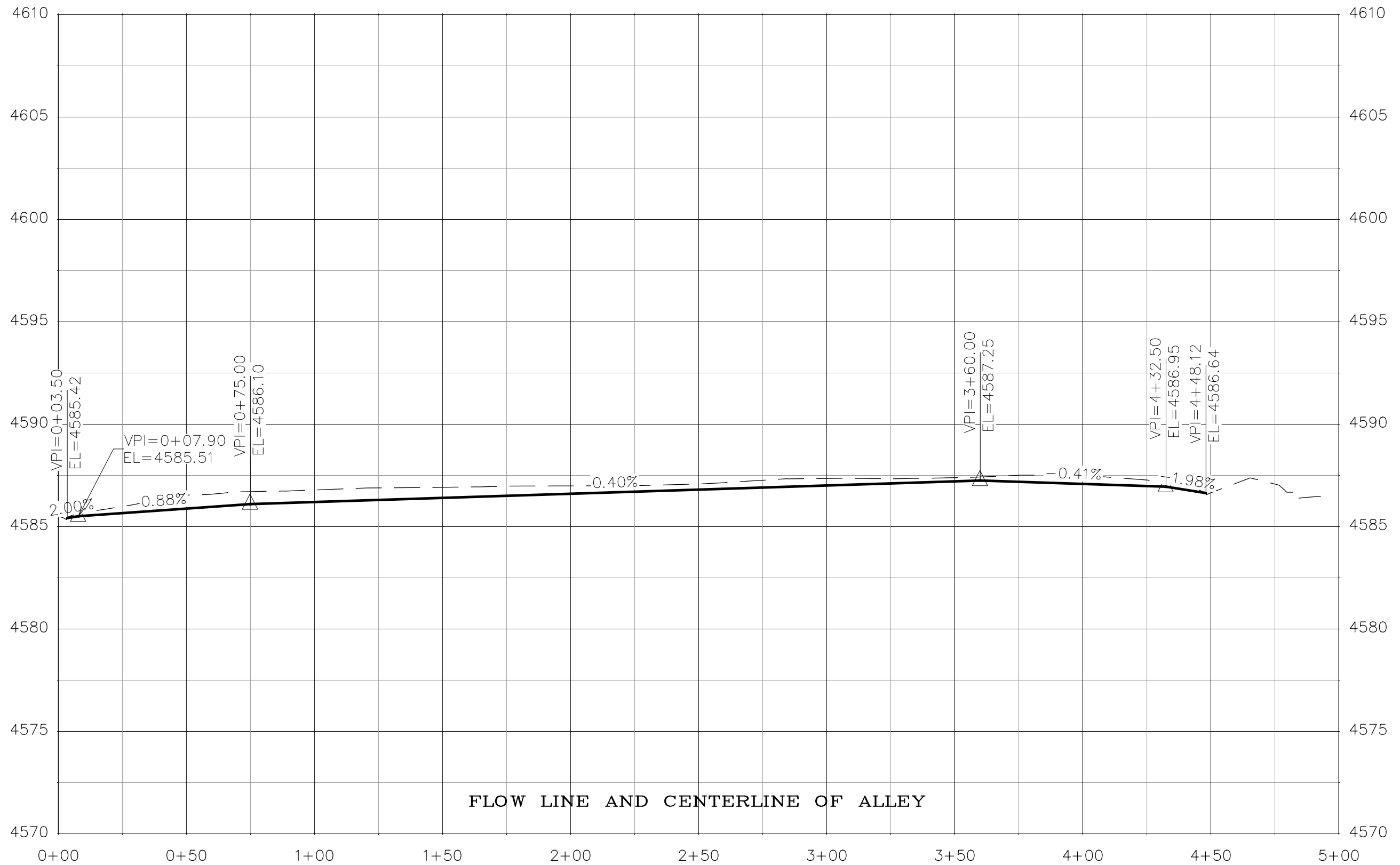
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REV 1			JCS	2020
REV 2			JCS	2020
REV 3			JAE	2020
REV 4			ICP	2020

SCALES:	
HORIZONTAL	1" = 40'
VERTICAL	1" = 5'



**PUBLIC WORKS  
ENGINEERING DIVISION**  
PROJECT NO. 201-F00723?

**2020 ALLEY IMPROVEMENT DISTRICT  
ALLEY PROFILE — 1**  
March 3, 2020



FLOW LINE AND CENTERLINE OF ALLEY

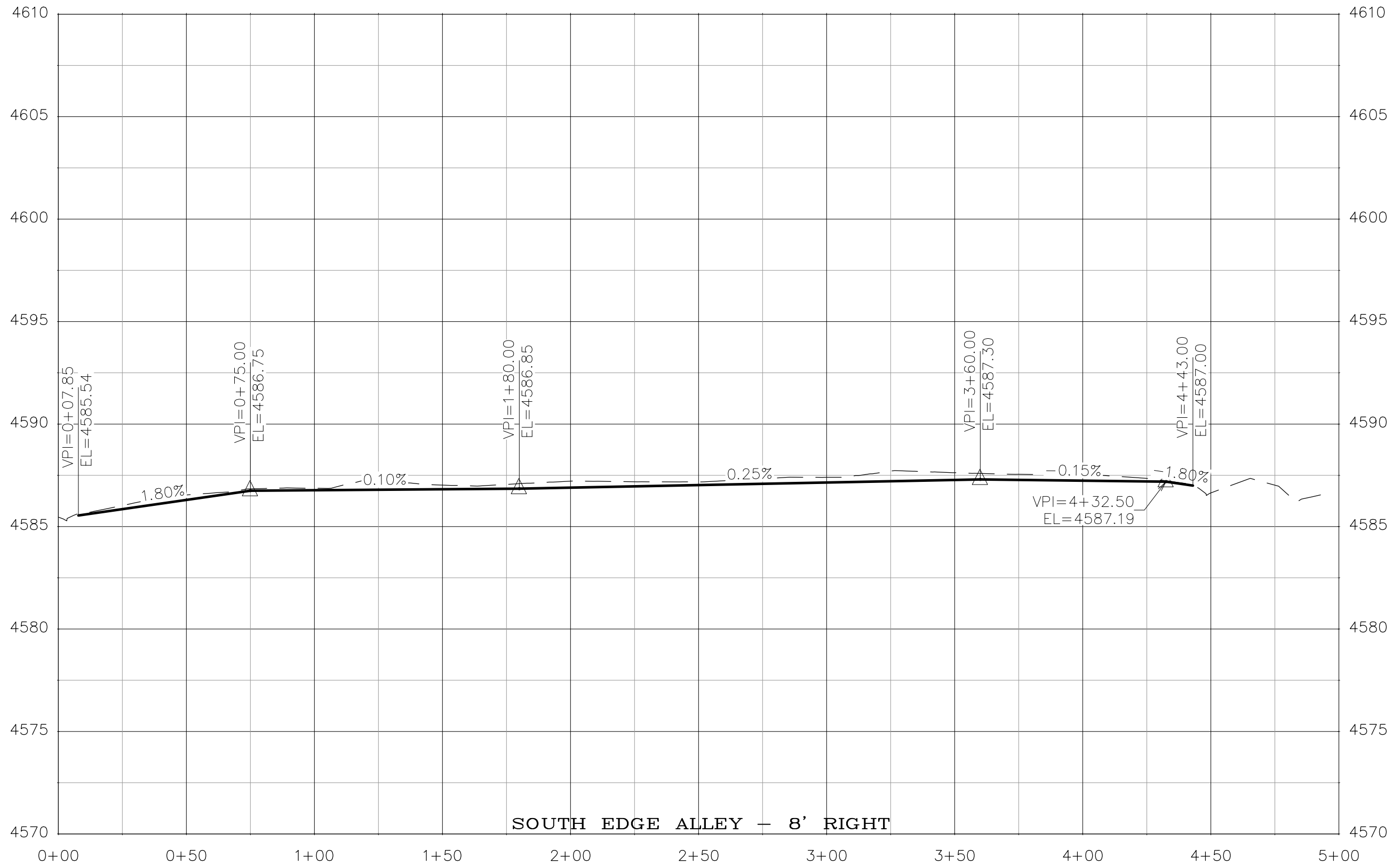
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REV 1			JCS	2020
REV 2			JCS	2020
REV 3			JAE	2020
REV 4			ICP	2020

SCALES:
PLAN & PROFILE 0 10 20 40 HORIZONTAL
0 5 VERTICAL



PUBLIC WORKS  
ENGINEERING DIVISION  
PROJECT NO. 201-F00723?

2020 ALLEY IMPROVEMENT DISTRICT  
ALLEY PROFILE - 2  
March 3, 2020



SOUTH EDGE ALLEY - 8' RIGHT

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REV 1			JCS	2020
REV 2			JCS	2020
REV 3			JAE	2020
REV 4			ICP	2020

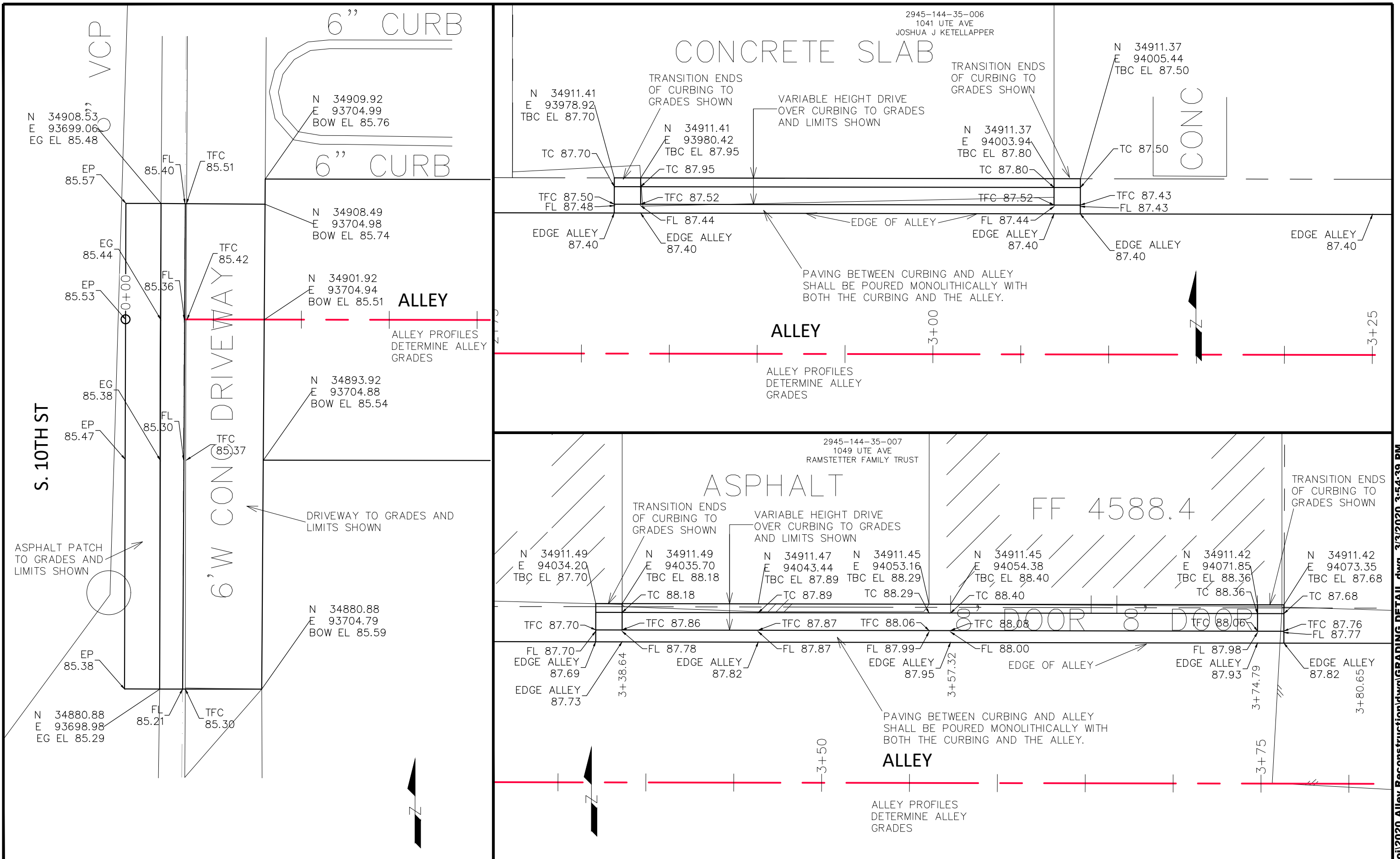
SCALES:	
HORIZONTAL	1" = 40'
VERTICAL	1" = 5'



PUBLIC WORKS  
ENGINEERING DIVISION  
PROJECT NO. 201-F00723?

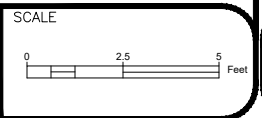
2020 ALLEY IMPROVEMENT DISTRICT  
ALLEY PROFILE - 3  
March 3, 2020





REVISION	DESCRIPTION	DATE
REVISION Δ REV 1		
REVISION Δ REV 2		
REVISION Δ REV 3		
REVISION Δ REV 4		

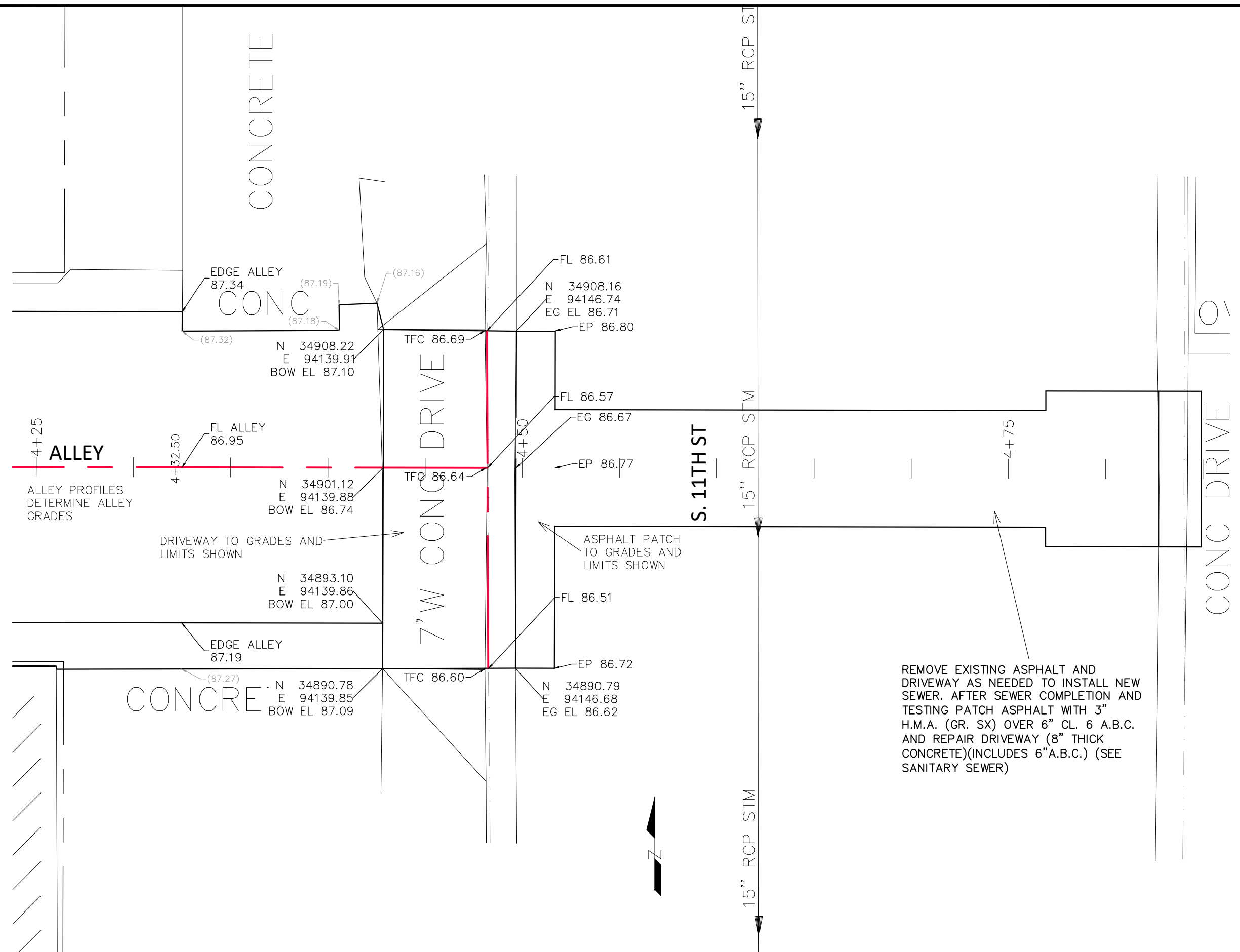
DRAWN BY JCS DATE 2020  
 DESIGNED BY JCS DATE 2020  
 CHECKED BY JAE DATE 2020  
 APPROVED BY TPC DATE 2020



**PUBLIC WORKS**  
**ENGINEERING DIVISION**  
 PROJECT NO. 201-F00723?

**2020 ALLEY IMPROVEMENT DISTRICT**  
**GRADING DETAIL - 1**  
 March 3, 2020

N:\Landproj\2020 Alley Reconstruction\dwg\GRADING DETAIL.dwg, 3/3/2020 3:54:39 PM



4+25  
**ALLEY**  
ALLEY PROFILES  
DETERMINE ALLEY  
GRADES

4+32.50  
FL ALLEY  
86.95  
N 34901.12  
E 94139.88  
BOW EL 86.74

DRIVEWAY TO GRADES AND  
LIMITS SHOWN  
N 34893.10  
E 94139.86  
BOW EL 87.00

EDGE ALLEY  
87.19  
(87.27)  
N 34890.78  
E 94139.85  
BOW EL 87.09

(87.16)  
FL 86.61  
N 34908.16  
E 94146.74  
EG EL 86.71  
EP 86.80  
TFC 86.69  
N 34908.22  
E 94139.91  
BOW EL 87.10

4+50  
FL 86.57  
EG 86.67  
EP 86.77  
TFC 86.64

ASPHALT PATCH  
TO GRADES AND  
LIMITS SHOWN  
FL 86.51  
EP 86.72

N 34890.79  
E 94146.68  
EG EL 86.62

REMOVE EXISTING ASPHALT AND  
DRIVEWAY AS NEEDED TO INSTALL NEW  
SEWER. AFTER SEWER COMPLETION AND  
TESTING PATCH ASPHALT WITH 3"  
H.M.A. (GR. SX) OVER 6" CL. 6 A.B.C.  
AND REPAIR DRIVEWAY (8" THICK  
CONCRETE)(INCLUDES 6" A.B.C.) (SEE  
SANITARY SEWER)

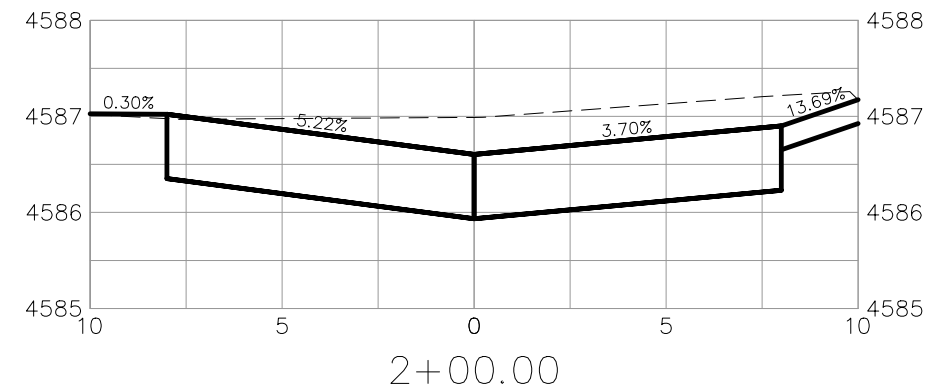
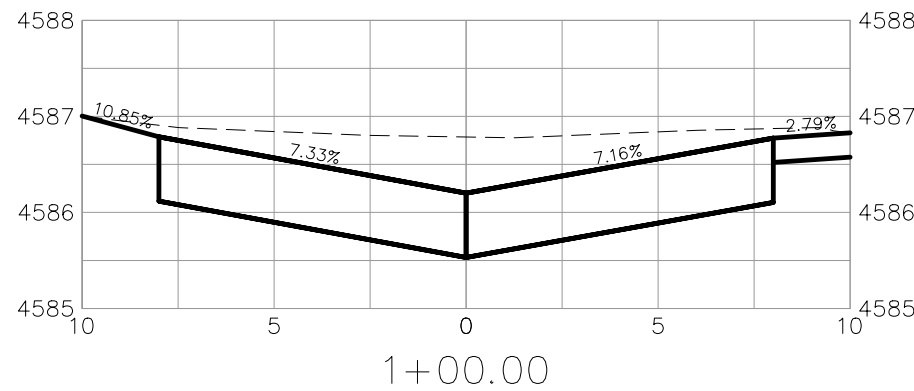
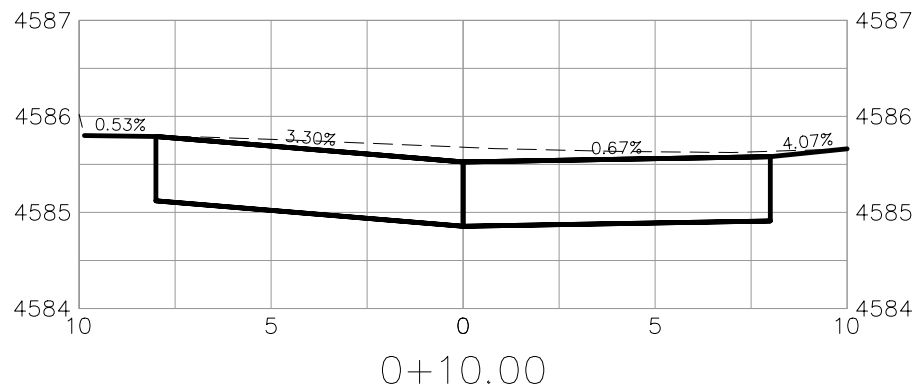
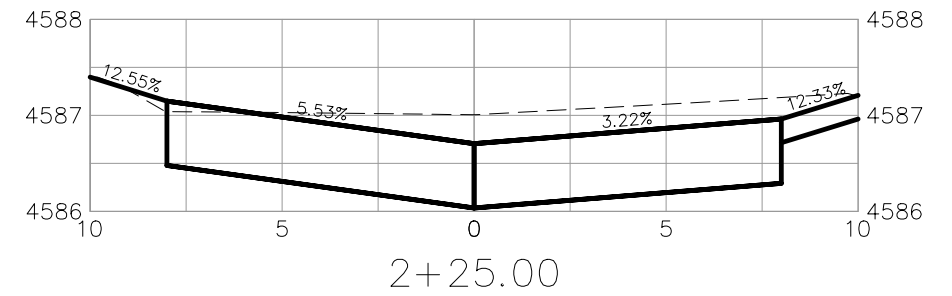
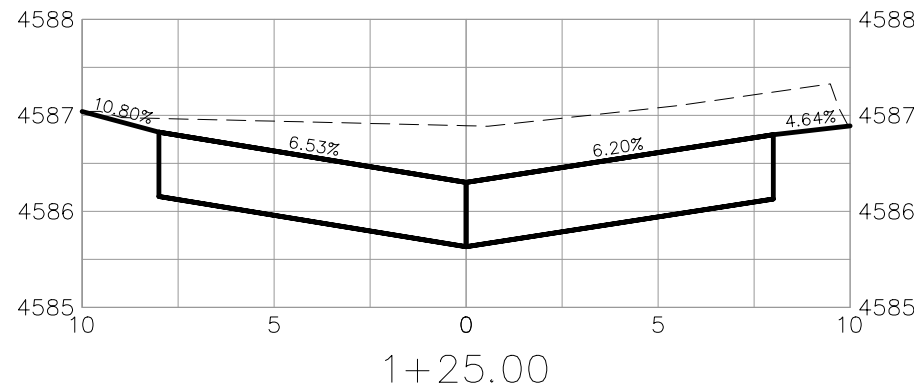
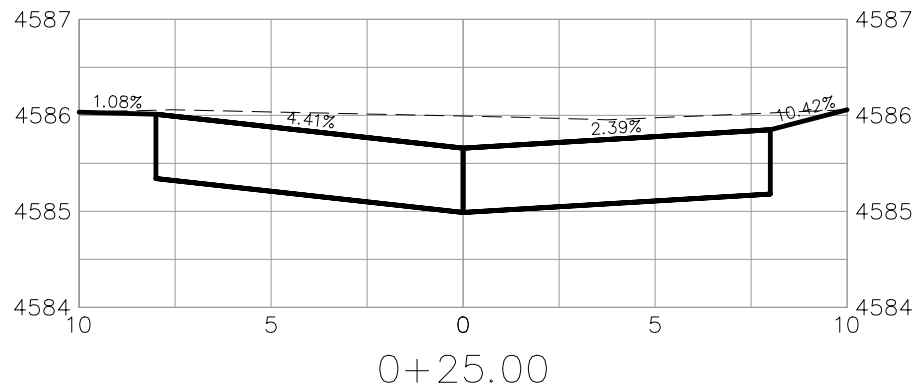
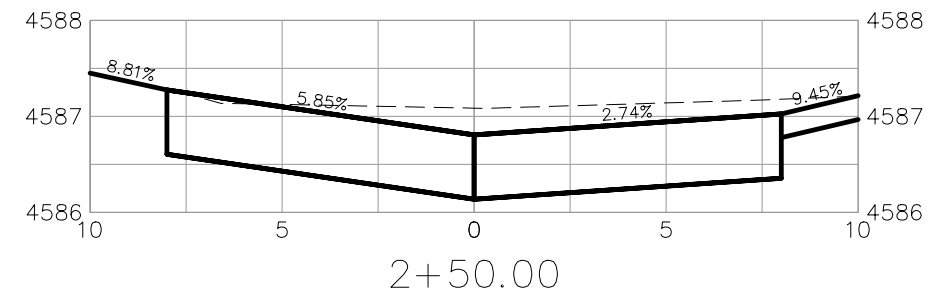
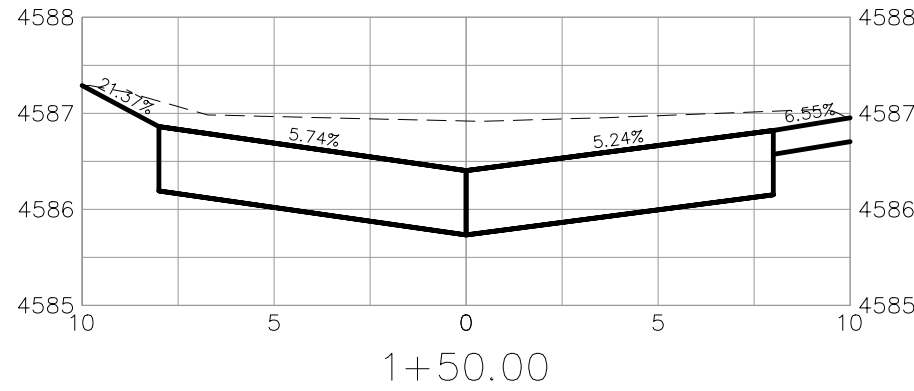
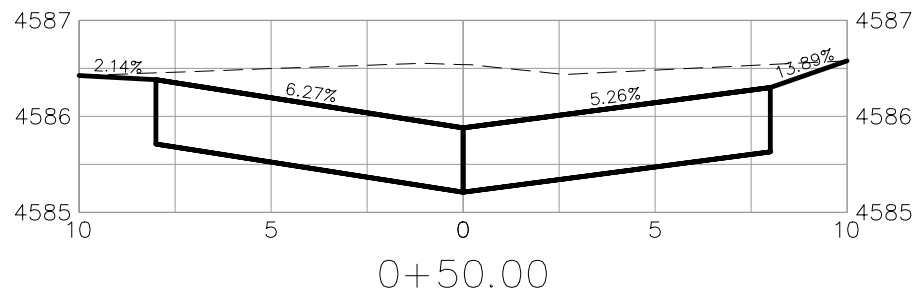
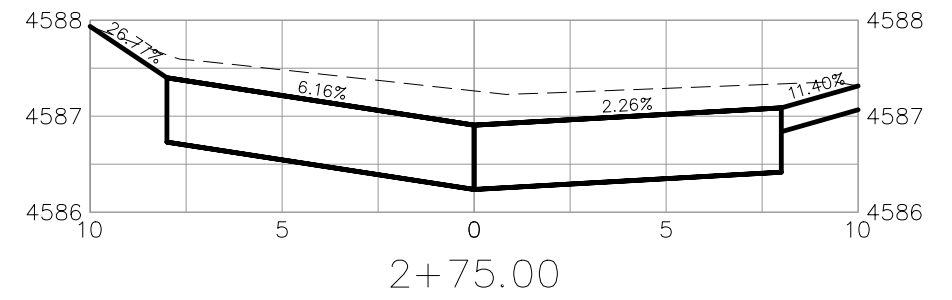
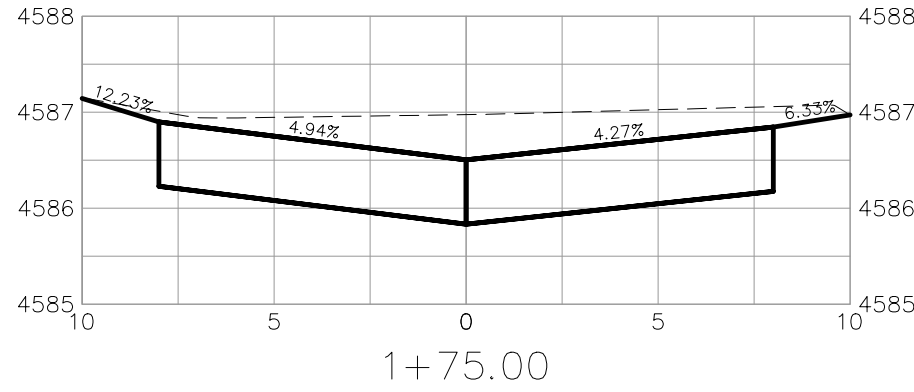
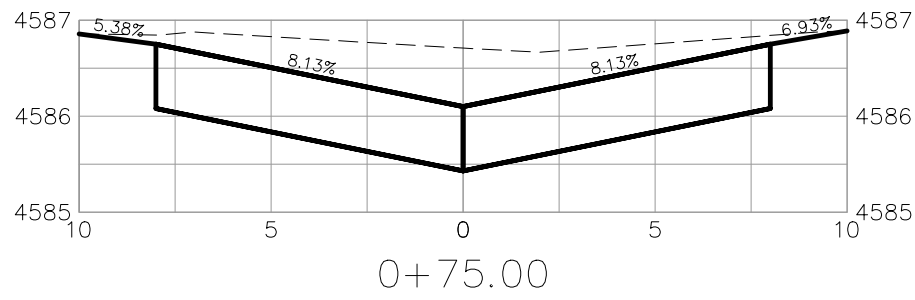


REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION Δ REV 1			JCS	2020	0 2.5 5 Feet
REVISION Δ REV 2			JCS	2020	
REVISION Δ REV 3			JAE	2020	
REVISION Δ REV 4			ICP	2020	



**PUBLIC WORKS  
ENGINEERING DIVISION**  
PROJECT NO. 201-F00723?

**2020 ALLEY IMPROVEMENT DISTRICT  
GRADING DETAIL - 2**  
March 3, 2020



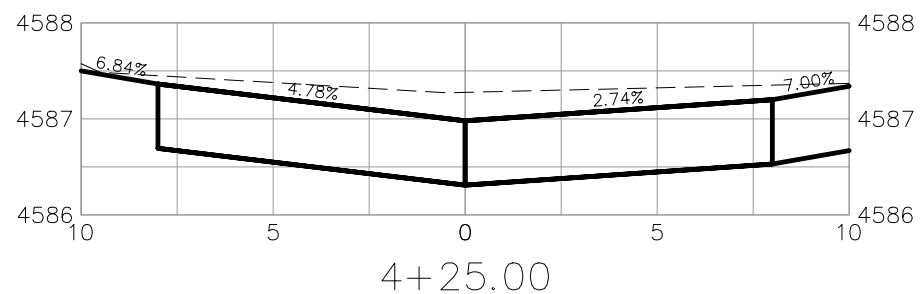
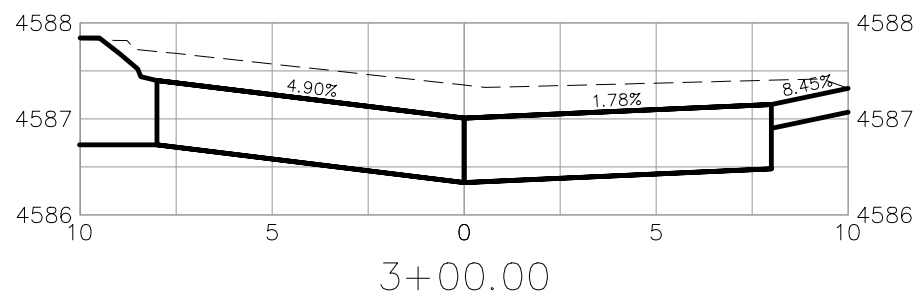
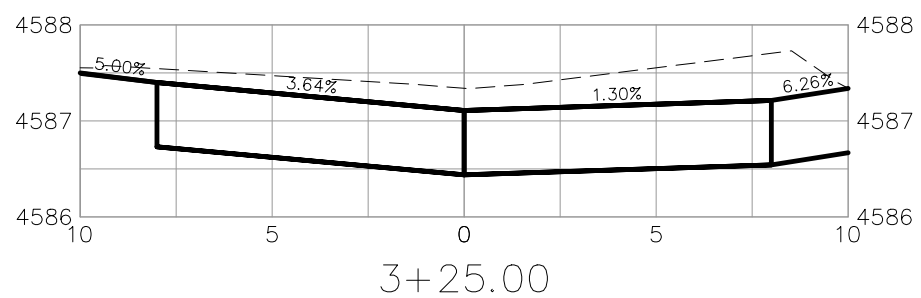
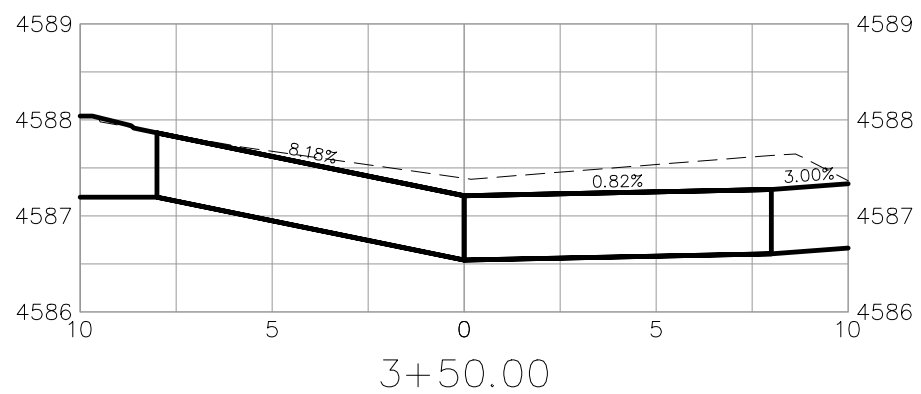
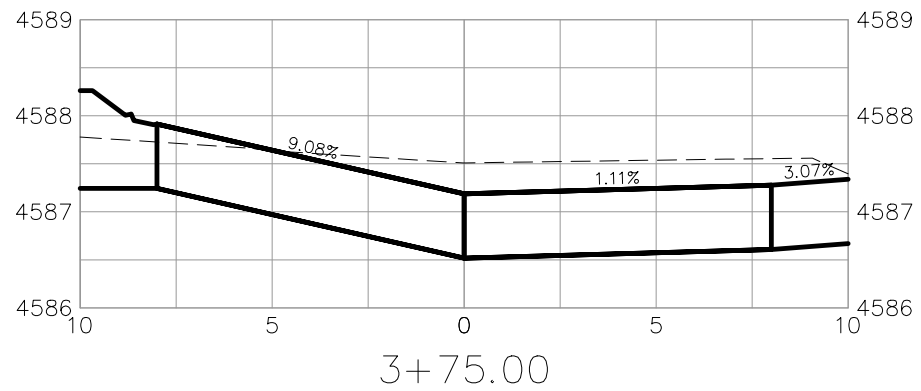
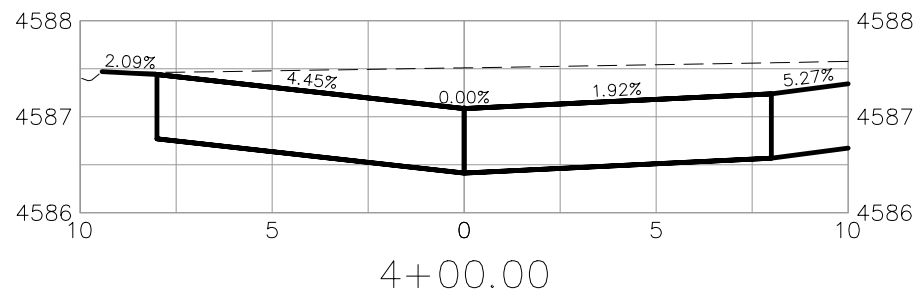
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION 1			JCS	2020
REVISION 2			JCS	2020
REVISION 3			JAE	2020
REVISION 4			ICP	2020



PUBLIC WORKS  
ENGINEERING DIVISION  
PROJECT NO. 201-F00723?

2020 ALLEY IMPROVEMENT DISTRICT  
ALLEY CROSS SECTIONS - 1  
March 3, 2020

N:\Landproj\2020 Alley Reconstruction\dwg\ALLEY CROSS SECTIONS.dwg, 3/3/2020 4:14:02 PM



REVISION	DESCRIPTION	DATE
△ REV 1		
△ REV 2		
△ REV 3		
△ REV 4		

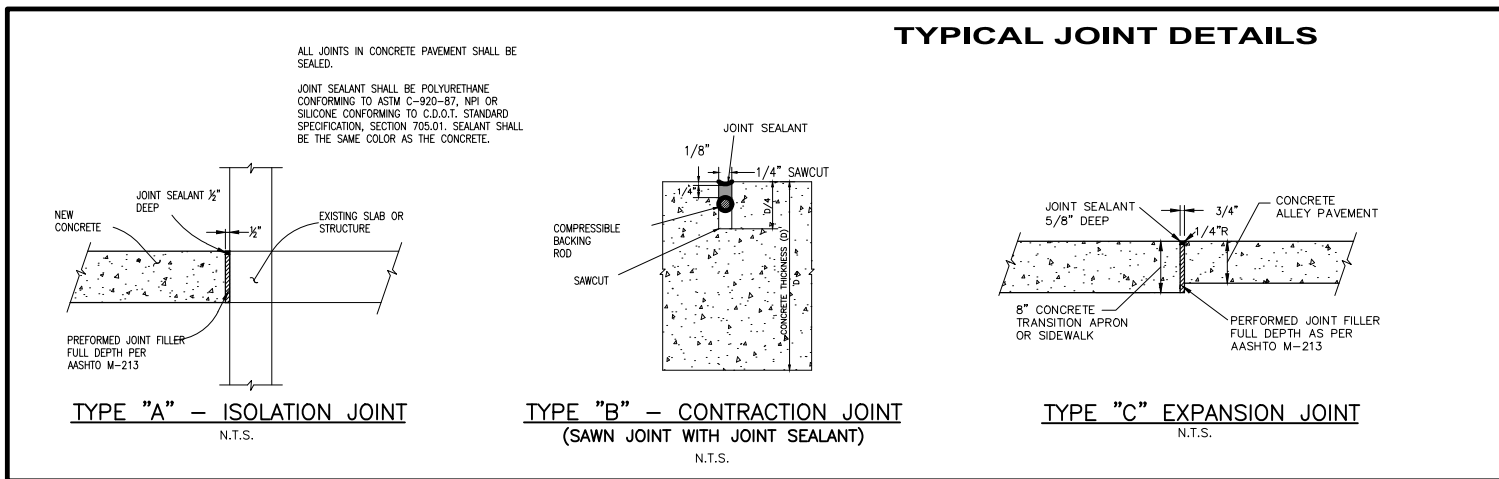
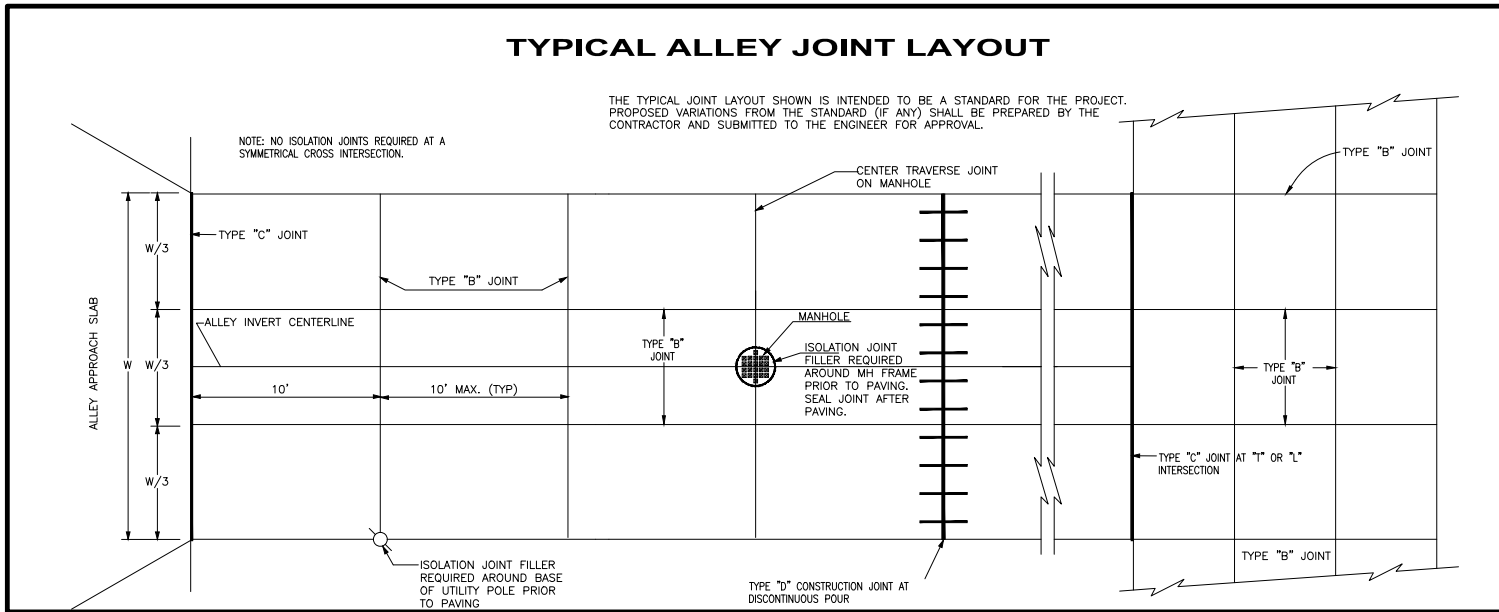
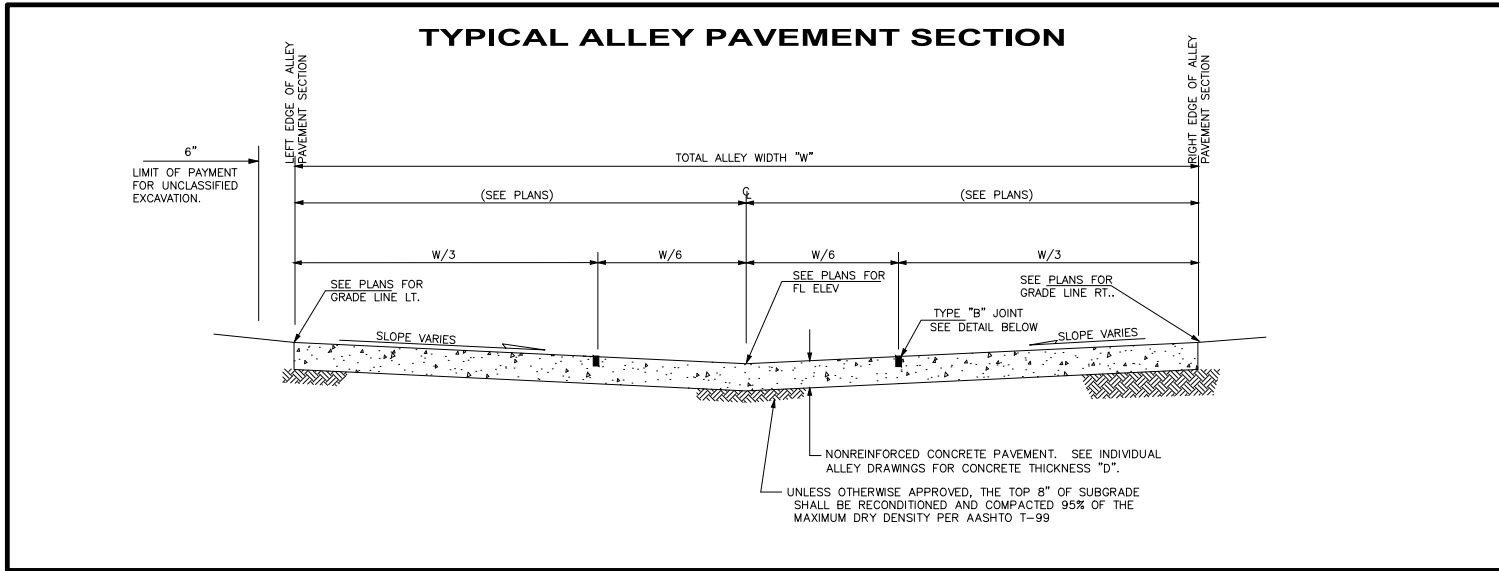
DRAWN BY	JCS	DATE	2020
DESIGNED BY	JCS	DATE	2020
CHECKED BY	JAE	DATE	2020
APPROVED BY	ICP	DATE	2020

SCALES:	
PLAN & PROFILE	1" = 20'
HORIZONTAL	1" = 20'
VERTICAL	1" = 2'

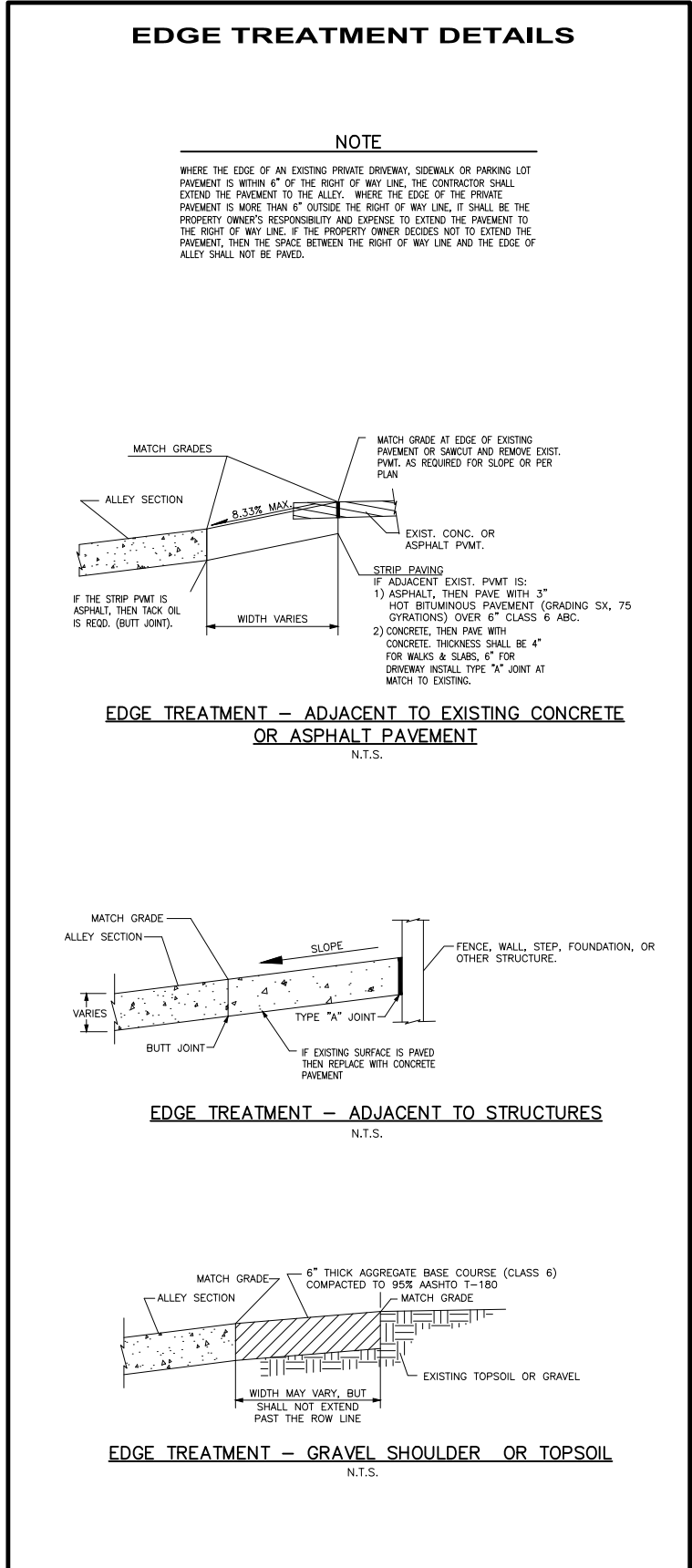


**PUBLIC WORKS  
ENGINEERING DIVISION**  
PROJECT NO. 201-F00723?

**2020 ALLEY IMPROVEMENT DISTRICT  
ALLEY CROSS SECTIONS - 2**  
March 3, 2020



- ### GENERAL NOTES
- The location of underground utilities shown on these plans and profiles are approximate only. The Contractor shall be responsible for locating all utilities in the field before performing any work which may affect them.
  - The Contractor shall provide a sanitary facility at the job site.
  - The following utility companies may have facilities along this project:  
The City of Grand Junction - Sewer and Water  
Xcel Energy Company - Gas, Electric  
Qwest - Telephone  
AT&T Broad Band - Cable Television
  - All traffic control, barricades, barriers, etc. shall be in accordance with the Manual on Uniform Traffic Control Devices.
  - Excess excavated materials, asphalt, and concrete shall become the property of the Contractor, who is responsible for disposal at locations approved of by the Engineer.
  - The typical joint layout shown is intended to be a standard for the project. Proposed variations from the standard (if any) shall be prepared and submitted by the Contractor to the Engineer for approval.
  - A Type "D" Joint shall be constructed at the end of a days pour or where concrete placement is suspended for more than 30 minutes.
  - The surface of the concrete shall be leveled and finished with a bullfloat. The surface shall be textured with a course broom finish transverse to the alley center line. Additional trowel work or use of steel trowels shall not be allowed.
  - An approved cure and seal compound shall be applied to all exposed surfaces immediately after finishing in accordance with the manufactures instructions.
  - See the specifications for additional information regarding concrete material, placement, temperature, considerations, joints, sealing, etc.
  - Survey markers and lot pins (not shown on plans) shall be protected. If disturbed, they shall be reset by a licensed surveyor who is paid by the Contractor.
  - Replacing sod and resetting sprinklers adjacent to the work shall be measured and paid under the bid items shown in the Bid Schedule. Other landscape restoration not listed in the bid schedule shall be considered incidental to other items of work and will not be paid for separately.
  - Sanitary sewers shall be constructed in accordance with City of Grand Junction Standard Specifications for Construction of Underground Utilities.
  - All materials and workmanship shall be subject to inspection by the City of Grand Junction. The City reserves the right to accept or reject any materials and workmanship that does not conform to the Standards and Specifications of the City.
  - The Contractor shall have a copy of the City of Grand Junction STANDARD CONTRACT DOCUMENTS FOR CAPITAL IMPROVEMENT CONSTRUCTION at the job site at all times.
  - All sewer mains shall be laid to grade utilizing a laser.
  - Sanitary sewer service lateral locations are approximate only based on TV logs of the sewer. The Contractor shall be responsible for documenting the actual locations on the "AS-BUILT" drawings.



REVISION	DESCRIPTION	DATE
REVISION Δ REV 1		
REVISION Δ REV 2		
REVISION Δ REV 3		
REVISION Δ REV 4		

DRAWN BY	JCS	DATE	2020
DESIGNED BY	JCS	DATE	2020
CHECKED BY	JAE	DATE	2020
APPROVED BY	ICP	DATE	2020

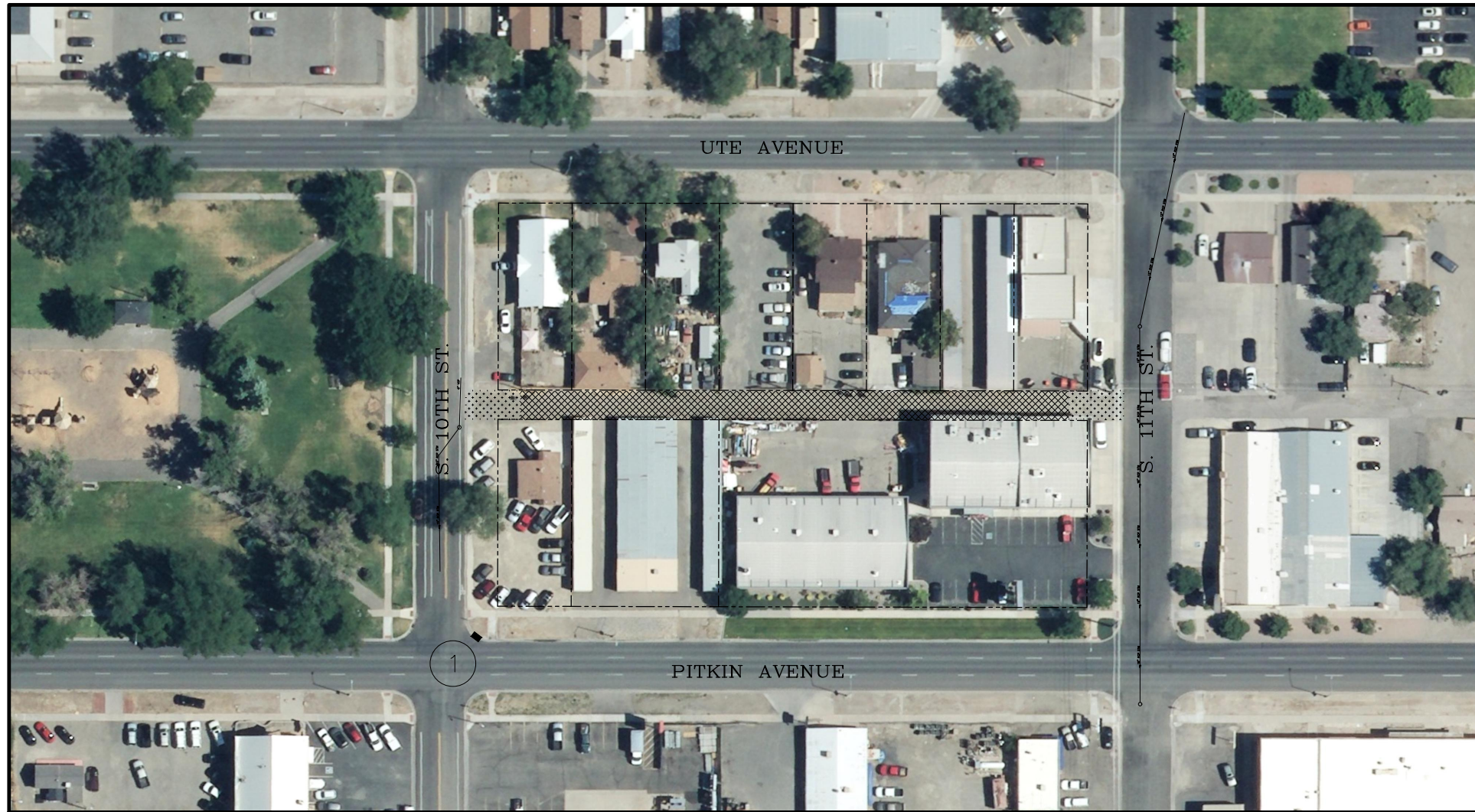
SCALE  
N.T.S.



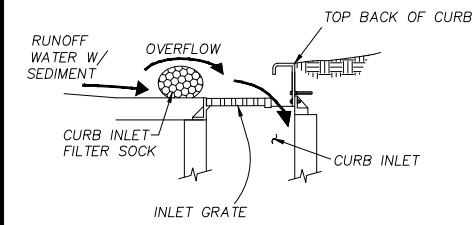
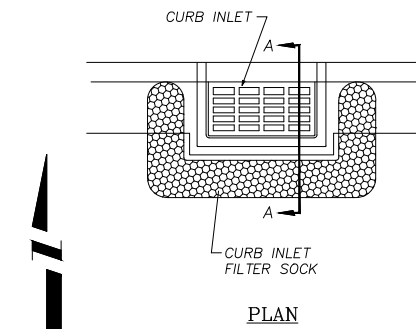
PUBLIC WORKS  
ENGINEERING DIVISION  
PROJECT NO. 201-F00723?

2020 ALLEY IMPROVEMENT DISTRICT  
TYPICAL SECTIONS AND DETAILS - 1  
March 3, 2020

N:\Landproj\2020 Alley Reconstruction\dwg\TYPICAL SECTIONS AND DETAILS.dwg, 3/3/2020 3:54:54 PM

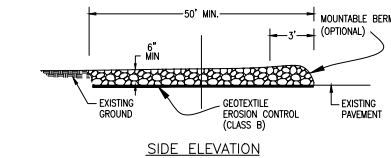
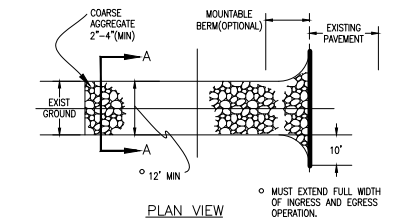


Alley from 10th St. to 11th St.  
 North of Pitkin  
 South of Ute Ave

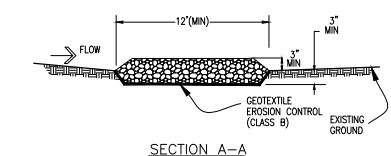


PROFILE - SECTION A-A

1 GRAVEL FILTER AT CURB INLET  
 N.T.S.



SIDE ELEVATION



SECTION A-A

2 STABILIZED CONSTRUCTION ENTRANCE  
 N.T.S.

LEGEND

CONSTRUCTION ACCESS & AREAS OF DISTURBANCE [Hatched pattern]

STABILIZED CONSTRUCTION ENTRANCE (SEE DETAIL #2) [Dotted pattern]

HYDROLOGIC SOIL TYPES  
 SCS SOIL TYPE C - SANDY CLAY LOAM

EROSION CONTROL MEASURES

Performance Standards

The general requirements for erosion control work shall be as follows:

- Any grading shall be conducted in such a manner so as to effectively reduce accelerated soil erosion and resulting sedimentation.
- All grading shall be designed, constructed and completed in such a manner so that exposed area of any disturbed land shall be limited to the shortest time period.
- Sediment caused by accelerated soil erosion shall be removed from runoff water before leaving the site.
- Any temporary or permanent facility designed and constructed for the conveyance of water around, through, or from the graded area shall be designed to limit the water flow to a non-erosive velocity.

During Construction (Temporary Measures)

- Anchored Straw Bales (ASB): The use of hay bales is proposed at the storm sewer outlets into channel and at all inlet locations (see Details C). Other locations are shown on the plan. Installation shall be in accordance with the detail as shown on the plans (see Detail C).
- Silt Fence (SF) The use of silt fences is proposed at the toes of fill slopes and other areas where sediment from upstream flows may spill to existing drainage ways. Other locations are shown on the plan. Installation shall be in accordance with the detail as shown on the plans (see Detail B).

After Construction (Permanent Measures)

- Rip-Rap: The use of rip-rap per construction drawings is proposed for the storm sewer outlets. It shall function to take the impact of the release water, thereby reducing velocities to a non-erosive rate (See plan for storm sewer outfall location).

Maintenance

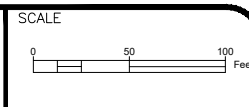
- The contractor or his designated representative shall make routine checks on all erosion control measures to determine if repairs or sediment removal is necessary.
- After each rainfall or moderate snow melt, erosion control measures are to be checked. If repairs are needed, they shall be completed immediately.
- Silt and sediment shall be removed when they reach a height of one-half of the barrier (silt fence or anchored straw bale).
- When temporary measures are to be removed, any silt and sediment deposits shall be removed and spread evenly in fill areas.

General Notes

- At all times during construction, erosion and sediment control shall be maintained by the contractor or his designated representative.
- Erosion control system shall be installed as grading progresses.
- Erosion bales shall be straw or hay, depending on availability.
- Details shown are schematic only. Adjust as necessary to fit field conditions.
- Erosion bales shall be placed to avoid runoff flowing between, around or under bales. Bales shall be anchored with 2" x 2" x 4" wooden stakes or #4 reinforcing bars, two per bale (see details for further instructions).
- Negative impacts to downstream areas (or receiving waters) caused by the slope grading to be monitored and corrected by the contractor.
- Construction traffic entrances shall be cleaned on a continual basis during slope grading.

REVISION	DESCRIPTION	DATE
REVISION Δ REV 1		
REVISION Δ REV 2		
REVISION Δ REV 3		
REVISION Δ REV 4		

DRAWN BY	JCS	DATE	2020
DESIGNED BY	JCS	DATE	2020
CHECKED BY	JAE	DATE	2020
APPROVED BY	ICP	DATE	2020



PUBLIC WORKS  
 ENGINEERING DIVISION  
 PROJECT NO.201-F00723?

2020 ALLEY IMPROVEMENT DISTRICT  
 STORM WATER MANAGEMENT PLAN - 1  
 March 3, 2020