



NOTICE OF AWARD

Date: March 2, 2017
Company: M.A. Concrete Construction, Inc.
Project: 2017 Sewer Line Replacement Project Phase A IFB-4326-17-DH

You have been awarded the City of Grand Junction 2017 Sewer Line Replacement Project Phase A IFB-4326-17-DH for a total price of **\$1,347,970.00**.

Please notify Justin Vensel, City of Grand Junction Project Engineer 970-256-4017 for project scheduling and return to the City Purchasing Division an acknowledged copy of this Notice of Award Signed Contract, Certificate of Insurance, and Payment & Performance Bonds.

CITY OF GRAND JUNCTION/MESA COUNTY, COLORADO

DocuSigned by:
Duane Hoff
9F789E7D50E148C...
Duane Hoff Jr., Senior Buyer

SUPPLIER ACKNOWLEDGEMENT

Receipt of this Notice to Award is hereby acknowledged:

Company: M.A. Concrete Construction, Inc.

By: Andy Azcarraga - M.A. Concrete Construction, Inc. DocuSigned by:
Andy Azcarraga - M.A. Concrete Construction
E5B298CA743E437...

Title: Project Manager

Date: 3/2/2017 | 13:27 MST



NOTICE TO PROCEED

Date: March 16, 2017

Contractor: M.A. Concrete Construction, Inc.

Project: 2017 Sewer Line Replacement Project Phase A IFB-4326-17-DH

In accordance with the contract dated March 2, 2017 the Contractor is hereby notified to begin work on the Project on or before March 6, 2017.

The date of final completion as determined is 100 Calendar Days from the start date of this Notice to Proceed.


CITY OF GRAND JUNCTION/MESA COUNTY, COLORADO

DocuSigned by:

9F709E7D60F148C...
Duane Hoff Jr., Senior Buyer

Receipt of this Notice to Proceed is hereby acknowledged:

Contractor: M.A. Concrete Construction, Inc.

By: 
E5B238CA743E437...

Print Name: Andy Azcarraga - M.A. Concrete Construction, Inc.

Title: Project Manager

Date: 3/17/2017 | 09:08 MDT



CITY OF GRAND JUNCTION, COLORADO

CONTRACT

This CONTRACT made and entered into this 2nd day of March 2017 by and between the **City of Grand Junction, Colorado**, a government entity in the County of Mesa, State of Colorado, hereinafter in the Contract Documents referred to as the "Owner" and **M.A. Concrete Construction, Inc.** hereinafter in the Contract Documents referred to as the "Contractor."

WITNESSETH:

WHEREAS, the Owner advertised that sealed Bids would be received for furnishing all labor, tools, supplies, equipment, materials, and everything necessary and required for the Project described by the Contract Documents and known as **2017 Sewer Line Replacement Project Phase A IFB-4326-17-DH**.

WHEREAS, the Contract has been awarded to the above named Contractor by the Owner, and said Contractor is now ready, willing and able to perform the Work specified in the Notice of Award, in accordance with the Contract Documents;

NOW, THEREFORE, in consideration of the compensation to be paid the Contractor, the mutual covenants hereinafter set forth and subject to the terms hereinafter stated, it is mutually covenanted and agreed as follows:

ARTICLE 1

Contract Documents: It is agreed by the parties hereto that the following list of instruments, drawings, and documents which are attached hereto, bound herewith, or incorporated herein by reference constitute and shall be referred to either as the "Contract Documents" or the "Contract", and all of said instruments, drawings, and documents taken together as a whole constitute the Contract between the parties hereto, and they are fully a part of this agreement as if they were set out verbatim and in full herein:

The order of contract document governance shall be as follows:

- a. The body of this contract agreement
- b. Solicitation Documents for the Project; **2017 Sewer Line Replacement Project Phase A;**
- c. Notice of Award
- d. Contractors Response to the Solicitation

- e. Work Change Requests (directing that changed work be performed);
- f. Field Orders
- g. Change Orders.

ARTICLE 2

Definitions: The clauses provided in the Solicitation apply to the terms used in the Contract and all the Contract Documents.

ARTICLE 3

Contract Work: The Contractor agrees to furnish all labor, tools, supplies, equipment, materials, and all that is necessary and required to complete the tasks associated with the Work described, set forth, shown, and included in the Contract Documents as indicated in the Solicitation Document.

ARTICLE 4

Contract Time and Liquidated Damages: Time is of the essence with respect to this Contract. The Contractor hereby agrees to commence Work under the Contract on or before the date specified in the Solicitation from the Owner, and to achieve Substantial Completion and Final Completion of the Work within the time or times specified in the Solicitation. In the event the Work is not completed in the times set forth and as agreed upon, the Contractor further agrees to pay Liquidated Damages to the Owner as set forth in the Solicitation. The Contractor acknowledges and recognizes the delays, expenses and difficulties involved in proving in a legal proceeding the actual losses suffered by the Owner if the work is not completed on time. Accordingly, instead of requiring any such proof, the Owner and the Contractor agree that as Liquidated Damages for delay, but not as a penalty, the Contractor shall pay to the Owner the amounts specified in the Solicitation.

ARTICLE 5

Contract Price and Payment Procedures: The Contractor shall accept as full and complete compensation for the performance and completion of all of the Work specified in the Contract Documents, the sum of **One Million Three Hundred Forty Seven Thousand Nine Hundred Seventy and 00/100 Dollars (\$1,347,970.00)**. If this Contract contains unit price pay items, the Contract Price shall be adjusted in accordance with the actual quantities of items completed and accepted by the Owner at the unit prices quoted in the Solicitation Response. The amount of the Contract Price is and has heretofore been appropriated by the Grand Junction City Council or Mesa County Board of County Commissioners for the use and benefit of this Project. The Contract Price shall not be modified except by Change Order or other written directive of the Owner. The Owner shall not issue a Change Order or other written directive which requires additional work to be performed, which work causes the aggregate amount payable under this Contract to exceed the amount appropriated for this Project, unless and until the Owner provides Contractor written assurance that lawful appropriations to cover the costs of the additional work have been made.

Unless otherwise provided in the Solicitation, monthly partial payments shall be made as the Work progresses. Applications for partial and Final Payment shall be prepared by the Contractor and approved by the Owner in accordance with the Solicitation.

Upon Final Completion of the Work under the Contract and before the Contractor shall receive final payment, the Owner shall publish at least twice in a newspaper of general circulation published in the County a notice that: 1. the Owner has accepted such Work as completed according to the Contract Documents; 2. the Contractor is entitled to final payment therefore; 3. thirty days after the first publication, specifying the exact date, the Owner shall pay the full balance due under the Contract; and 4. persons having claims for labor, materials, team hire, sustenance, provisions, provender, or other supplies used or consumed by the Contractor or a subcontractor shall file a verified statement of the amount due and unpaid on account of such claim prior to the date specified for such payment. Nothing herein shall be construed as relieving the Contractor and the Sureties on the Contractor's Bonds from any claim or claims for work or labor done or materials or supplies furnished in the execution of the Contract.

ARTICLE 6

Bonds: The Contractor shall furnish currently herewith the Bonds required by the Contract Documents, such Bonds being attached hereto. The Performance Bond shall be in an amount not less than one hundred percent (100%) of the Contract Price set forth in Article 5. The Payment Bond shall be in an amount not less than one hundred (100%) of the Contract Price set forth in Article 5.

ARTICLE 7

Contract Binding: The Owner and the Contractor each binds itself, its partners, successors, assigns and legal representatives to the other party hereto in respect to all covenants, agreements and obligations contained in the Contract Documents. The Contract Documents constitute the entire agreement between the Owner and Contractor and may only be altered, amended or repealed by a duly executed written instrument. Neither the Owner nor the Contractor shall, without the prior written consent of the other, assign or sublet in whole or in part its interest under any of the Contract Documents and specifically, the Contractor shall not assign any moneys due or to become due without the prior written consent of the Owner.

ARTICLE 8

Severability: If any part, portion or provision of the Contract shall be found or declared null, void or unenforceable for any reason whatsoever by any court of competent jurisdiction or any governmental agency having the authority thereover, only such part, portion or provision shall be effected thereby and all other parts, portions and provisions of the Contract shall remain in full force and effect.

IN WITNESS WHEREOF, City of Grand Junction, Colorado, has caused this Contract to be subscribed and sealed and attested in its behalf; and the Contractor has signed this Contract the day and the year first mentioned herein.

The Contract is executed in two counterparts.

CITY OF GRAND JUNCTION, COLORADO

DocuSigned by:
Duane Hoff
By: _____
9E78GE7D50E14BC
Duane Hoff Jr., Senior Buyer

3/2/2017 | 17:05 MST

Date

M.A. Concrete Construction, Inc.

DocuSigned by:
Andy Azcarraga - M.A. Concrete Construction, Inc.
By: _____
E5BZ38CA743E437...
Andy Azcarraga - M.A. Concrete Construction, Inc.

3/2/2017 | 13:33 MST

Date



Purchasing Division

Invitation for Bid

**IFB-4326-17-DH
2017 Sewer Line Replacement Project Phase A**

Responses Due:

February 16, 2017 prior to 11:00am

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

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
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	Price Proposal/Bid Schedule Form
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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 installation of replacement sanitary sewer and restoration of the roadway and sidewalks as described within this document and that accompanied plans for the construction of the 2017 Sewer Line Replacement Project. 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

- 1.2. **Mandatory Pre-Bid Meeting:** **Prospective bidders are required to attend a mandatory pre-bid meeting on February 7, 2017 at 10:00am.** Meeting location shall be in the City Hall Auditorium, located at 250 N. 5th 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. **Submission:** **Each bid shall be submitted in electronic format only, and only through the Rocky Mountain E-Purchasing website (<https://www.rockymountainbidsystem.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/BidOpenings.aspx> 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**)
- 1.5. **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.
- 1.6. **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.

- 1.7. **Exclusions:** No oral, telephonic, emailed, or facsimile bid will be considered
- 1.8. **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/BidOpenings.aspx>.
- 1.9. **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. Electronic copies may be obtained on a CD format at the Department of Public Works and Planning at City Hall.
- 1.10. **Definitions and Terms:** See Article I, Section 3 of the General Contract Conditions in the *Standard Contract Documents for Capital Improvements Construction*.
- 1.11. **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 Engineer of all conflicts, errors, ambiguities or discrepancies in or among the *Contract Documents*

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.

- 1.12. 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 response time.
- 1.13. 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/BidOpenings.aspx>. 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.

- 1.14. **Taxes:** The Owner is exempt from State retail and Federal tax. The bid price must be net, exclusive of taxes.
- 1.15. **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.
- 1.16. **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.
- 1.17. **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.
- 1.18. **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.
- 1.19. **Public Disclosure Record:** If the bidder has knowledge of their employee(s) or sub-contractors having an immediate family relationship with a City/County 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/County.

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/County, shall constitute a contract equally binding between the City/County 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 in not less than triplicate by the Owner (City/County) and Contractor. City/County 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/County are, and shall remain, City/County 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 Substantial Completion of the work or designated portions thereof is the date certified by the Owner when construction is sufficiently complete, 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: CITY ONLY 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: CITY ONLY 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 **\$350.00** 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 is 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 substantially complete. In addition to the Work being substantially 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 Substantial or 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 Offers: The Owner reserves the right to:

- reject any and all Bids,
- waive any and all informalities,
- negotiate final terms with the Successful Bidder, 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. PROJECT DESCRIPTION: The project generally consists of 3570 Lineal feet of sewer main line ranging from 6-inch to 18-inch diameter of SDR 35 PVC pipe, 21 48" ID sanitary sewer manhole 13 60" ID sanitary sewer manholes, 40 sewer connections, 950 lineal feet of 4" SDR 35 PVC service line, 150 lineal feet of 6-inch and 12-inch waterline, 110 lineal feet of 12-inch storm line 1 48 inch ID storm manhole, 1235 SY of concrete replacement for driveway and sidewalk ADA compliance, gravel and asphalt road surfaces, roadway shoulders, and landscaped areas. In addition, all of the roads within this contract will be milled and resurfaced as part of this project.

3.2. SPECIAL CONDITIONS & PROVISIONS:

3.3.1 Mandatory Pre-Bid Meeting: Prospective bidders are required to attend a mandatory pre-bid meeting on February 7, 2017 at 10:00am. Meeting location shall be in the City Hall Auditorium, located at 250 N. 5th 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

3.3.2 Project Manager: The Project Manager for the Project is Justin Vensel, Project Engineer, who can be reached at (970)256-4017. 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: Justin Vensel, Project Engineer
250 North Fifth Street
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 **100 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 2.10. 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:

- Detectable Warnings (Cast Iron Wet Set)
- Variable message boards for upcoming construction locations

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.

The Contractor shall then prepare and mail a weekly newsletter until the project is completed. The Contractor's first newsletter shall be mailed one week prior to beginning work on the Project. For this project, the approximate number of newsletters to be printed and mailed by the Contractor is 20-80 per week.

Newsletters shall be printed on the Contractor's letterhead. Each newsletter shall include the following information:

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

A draft of each newsletter shall be given to the Project Engineer for review at least one day before the letter is to be mailed. The Contractor shall make any corrections or additions to the final newsletter as requested by the Engineer.

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.

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.

1. The contractor shall maintain access to all properties at all times unless otherwise approved by the City per General Contract Condition 26. 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, they will be limited to 30 feet in length. The entire perimeter of the excavation shall be barricaded with construction equipment or temporary construction fence. At all times during the project, the contractor must ensure access is available for the U.S. Postal Service, trash trucks, emergency vehicles, etc., per the General Contract Conditions.
2. The Contractor shall adhere to all traffic control requirements when working within City right-of-way and CDOT right-of-way.
3. Roads may be closed that have a confined amount construction area for through traffic only. Local traffic shall have access at all times with the exception of construction immediately adjacent to their property access.

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 testing on the following items as specified in the General Contract Documents for Capital Improvement Projects as specified for Part time inspection:

- Backfill
- Class 6
- Concrete
- Asphalt

The City will perform/contract Quality Assurance for this project.

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

- Traffic Control Plans
- Project Schedule

3.3.20 Uranium Mill Tailings: It is anticipated that radioactive mill tailings will not be encountered on this Project.

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

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

3.3.23 Existing Utilities and Structures: 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.

3.3.24 Interruption of utilities and services: The contractor shall notify all property owners affected by the interruption of utilities and other services caused by his operation. 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.

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.

3.3.25 Sanitary Sewer Service Locations: The location of sewer services shown on the construction drawings are based on TV video of the existing sanitary sewer main. Unfortunately, due to poor condition of the existing sewer main line not all services were able to be located. 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. Prior to cutting and removal of the asphalt or concrete the contractor shall verify the location of the service connections.

3.3.26 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.

3.3.27 Manholes: The selected streets are scheduled to be overlaid in early summer. For this face the contractor will not be required to have the tight tolerance for adjustment

as previously required on other projects. All Manholes will be adjust to within 1/2" of final asphalt surface and shall not be grouted in place.

3.3.28 Section 202 – Removal of Structures and Obstructions:

Section 202 of the Standard Specifications for Road and Bridge Construction is hereby revised for this Project as follows:

Add the following:

Removal and Disposal of Sanitary Sewer Manhole

Remove manhole ring and cover, grade rings, cone, risers, and base. Salvageable manhole ring and cover shall be returned to City Shops. Backfill excavation with backfill meeting Section 103.16, Earth Backfill Material, and compact if manhole will not be replaced with a new manhole.

Method Measurement

Add the following paragraph:

Manholes to be removed and replaced in like locations shall not be measured or paid for separately. The removal shall be considered incidental to the project.

Removal and disposal of Sanitary Sewer Manholes that are not in the same location as the existing will be measured by each manhole removed and not replaced.

Basis of Payment

<u>Pay Item</u>	<u>Pay Unit</u>
Removal of Manhole (No reinstallation)	Each

3.3.29 Section 208 – Erosion Control:

Section 208 of the Standard Specifications is hereby revised for this project as follows:

208 Method of Measurement shall include the following:

Measurement for stabilized construction entrance shall be for the areas that are required per the storm water management plan.

208 Basis of Payment shall include the following:

<u>Pay Item</u>	<u>Pay Unit</u>
Stabilized Construction Entrance	Each

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:

<u>Pay Item</u>	<u>Pay Unit</u>
Erosion Control (Complete In Place)	Lump Sum

The lump sum price for Erosion Control (complete in place) shall be in full compensation for the Erosion Control Supervisor and all materials, labor and equipment required to furnish, install, maintain, remove and dispose of erosion and settlement control features and Best Management Practices (BMP's) in accordance with the Stormwater Management Plan (SWMP), State and local permits, and the contract documents.

Erosion Control (Complete in Place) shall include storm drain inlet protection and the concrete washout structure.

3.3.30 Section 209 – Watering and Dust Palliatives:

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

209.07 Method of Measurement shall include the following:

Measurement for dust palliatives shall be based on the number of days applied. If dust control is not necessary there will be no payment for the days it is not necessary.

209.08 Basis of Payment shall include the following:

<u>Pay Item</u>	<u>Pay Unit</u>
Dust Abatement	DAY

Dust abatement required beyond the specified contract time will not be paid for unless authorized in advance by a Work Change Authorization or Change Order.

3.3.31 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.

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

3.3.32 Section 608 – Curbs, Gutters, Sidewalks, and Bikeways:

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

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 clearing; excavating to subgrade, subgrade compaction, cutting and removal of asphalt in areas where concrete will be installed, 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; repair to any irrigations line and or sprinkler; reinforcing steel and joint filler. The minimum thickness of class 6 base shall comply with the City Standard Documents

3.3.33 By-pass Pumping:

The proposed lines scoped for this project have flows that generally a 6” pump can handle. The size of the lines on 4th Street 7th Street and 9th Street were combined storm/sewer lines prior to 2004 at which time the lines became primarily sanitary lines with a small amount of catch-basins still attached in them.

3.3.34 Section 103 – Removals, Excavation, Backfill and Restoration:

Add the following:

103.4 Bracing and Sheet piling of Trenches

Add the following:

Trench wall support will be required when installing all new pipeline included in this project. The Contractor shall provide trench boxes, sheet piles and bracing, or other approved method of supporting trench walls that will limit the top width of any trench to a maximum of six (6) feet. Payment for trench bracing by the Contractors chosen method shall be included in the lineal foot pipe price for all pipe installed in this contract. Bracing required for manhole installation shall be included in the price of the manhole.

103.10 Cutoff Walls.

Add the following:

The cost of installing cutoff walls shall be incidental to the cost of pipe installation.

103.16 Earth Backfill Material (Imported Trench Backfill).

Add the following:

Material excavated on site shall not be used in the trench backfill if determined to be unsuitable by the Engineer or his representative. The excavated material shall be hauled off site to a location secured by the Contractor and approved by the Project Engineer. Imported Trench Backfill shall be pitrun or other approved material meeting the requirements of Section 103.16. During placement of imported backfill over the initial backfill material (Type A) that extends to 6 inches above the top of the pipe, the 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.

103.17 Restoration of Grounds.

Add the following:

The Contractor shall restore all permanent utility easement areas as noted on the *Construction Drawings* and *Contract Documents*. The Contractor shall restore all temporary construction easement areas to their pre-construction condition and as noted on the *Construction Drawings* and *Contract Documents* with the exception of items that were removed with the permission of the property owner after compensation values were established. There will be no additional payment made for restoration of sod/landscaping, gravel, concrete or asphalt driveways, irrigation/sprinkler systems, decorative borders, fences, etc. outside the permanent and/or temporary construction easements.

103.21 Site Access.

Add the following:

Site access as shown on the *Construction Drawings* is limited for conventional trench replacement construction for sections of existing sewer line to be replaced that have no open (alley) access where the fences have been set back.

In these areas under conventional trenching, the Contractor will have to remove all items noted on the *Construction Drawings* for removal including vegetation, trees, bushes, fences, storage sheds, sod, landscape gravel, landscape items, sprinkler systems, etc. to have access to both ends of the existing sewer line to be replaced.

In these areas under burst replacement, the Contractor will have to use the existing easements (alley) access and the temporary construction easements as shown on the drawings to access the existing manholes, replace the existing manholes were shown, install the new sewer line and reconnect the existing services. The Contractor will have to remove all items noted on the *Construction Drawings* for removal including vegetation, trees, bushes, fences, storage sheds, sods, landscape gravel, landscape items, sprinkler systems, etc. to have access for launching/receiving pits and service reconnections. Temporary construction fences shall be installed at locations noted on the *Construction Drawings*.

3.3.35 Section 104 – Installation of Pipe and Appurtenances:

Add the following to **104.2.b Installation of Sewer Service Lines:**

Verification of Active Taps. The Contractor shall verify the existing sewer taps that are active by smoke testing, use of dye, inserting a snake through a clean-out or roof vent and tracing to sewer main, etc. and only connect the active taps. There will be no separate measurement or payment for this work which will be considered incidental.

In the event that the sanitary service line is PVC pipe present at the main the contractor shall verify that the PVC pipe extends to the ROW. Provided PVC pipe is verified to the ROW the Contractor is instructed to install a two way cleanout at the ROW line as shown in the standard details SS-06.

Basis of Payment shall include the following:

Shall include but not limited to the following: Two-way Cleanout vertical stand pipe, connection at the cleanout, cap, and equipment, materials and all necessary labor required to complete the operation.

<u>Pay Item</u>	<u>Pay Unit</u>
Installation of Clean-out	EA

Sanitary Sewer Service lines crossing AC water lines. In the event that a sanitary service line crosses perpendicular to an AC water line and is below the water line, the contractor shall be required to fill the annular area from the top of the haunching material to the spring line of

the AC waterline with flow fill. This work is to be considered incidental and will not be paid for as a unit item.

Add the following to **104.3.a Laying Pressure Pipe:**

In areas where the existing AC water line crosses the new sewer line the contractor shall remove that section of AC water line and replace with same size C-900 PVC pipe. Connections shall be made using solid sleeve couplers 18 inches in length.

Basis of Payment shall include the following:

Shall include but not limited to the following: removal and disposal of AC pipe, new PVC pipe, and equipment, materials and all necessary labor required to complete the operation.

<u>Pay Item</u>	<u>Pay Unit</u>
6" Water Pipe (C-900 PVC)	LF
12" Water Pipe (C-900 PVC)	LF

3.3.36 Section 105 – Pipeline Testing:

Delete Section 105.2. The City of Grand Junction will not require the new sanitary sewer main to be pressure or leakage tested.

All sanitary sewer mains shall be deflection tested per section 105 and will be closed captioned inspected prior to final acceptance.

3.3.37 Geotechnical Testing SP-1:

As part of this project the contractor shall be required to supply testing for Quality Control in accordance with the minimum frequencies defined by City of Grand Junction Standard Specifications. The testing agency shall meet the minimum requirements as stated in the standard specifications section. A submittal of qualified personnel shall be turned in at the preconstruction meeting. This submittal shall include all certifications held by the tester assigned to the project.

Method of Measurement:

Testing for quality control will not be measured but will be paid for on a lump sum basis.

Basis of Payment shall include the following:

Shall include random site locations and meet the minimum frequencies set forth in the Road and Bridge section of the Standard Specifications with the following addition: Portland Concrete shall be tested using the following frequencies:

Test Required	Test Frequency
Slump	Daily
Air	Daily
Water/Cement	Per Truck
Compressive Strength	Minimum of one per area location unless otherwise directed

A report shall be generated by the testing firm that documents tests including re-tests results or nay failed tests, included in the test shall be locations and results. The test shall be presented to the Project Engineer prior to final payment or acceptance of the project.

<u>Pay Item</u>	<u>Pay Unit</u>
Quality Control Testing	Lump Sum

3.3.38 Repair Sag SP-3:

As depicted on Sheet 6 25 Road has a sag in the line that is need of repair. To allow for trench boxes at this location the Plans show to remove 26’ feet of material longitudinal to the pipe. The contractor is required to give a minimum of 48 hours’ notice prior to the work in order for City crews to schedule for camera work to ensure the sag is repaired.

<u>Pay Item</u>	<u>Pay Unit</u>
Repair Sag	Lump Sum

3.3.39 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.

3.3.40 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. SCOPE OF WORK: The plans show installation of Cast In Place Pipe (CIPP) on several sheets. This section of work will be on a separate contract and is not included in this scope of work. The pipe is shown for depths of manholes, removal of manholes no longer needed and repair to roadway surface.

3.4. IFB TENTATIVE TIME SCHEDULE:

Invitation For Bids available	January 19, 2017
Mandatory Pre-Bid Meeting	February 7, 2017
Inquiry deadline, no questions after this date	February 9, 2017
Addendum Posted	February 10, 2017
Submittal deadline for proposals	February 16, 2017
City Council or Board of Commissioners Approval	March 1, 2017
Notice of Award & Contract execution	March 2, 2017
Bonding & Insurance Cert due	February 24, 2016
Preconstruction meeting	March 3, 2017
Work begins no later than	March 6 2017
Final Completion	June 13, 2017
Holidays: Memorial Day	May 29, 2017

4. Contractor's Bid Form

Bid Date: _____

Project: IFB-4326-17-DH "2017 Sewer Line Replacement Project Phase A"

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.

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: _____

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

<u>Name & 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.

Bid Schedule: 2017 Sewer Line Replacement Phase A

Company Name: _____

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
1	108.2	6" Gravity Sewer Pipe (SDR-35 PVC)	100.	LF	\$ _____	\$ _____
2	108.2	8" Gravity Sewer Pipe (SDR-35 PVC)	1,865.	LF	\$ _____	\$ _____
3	108.2	12" Gravity Sewer Pipe (SDR-35 PVC)	1,335.	LF	\$ _____	\$ _____
4	108.2	15" Gravity Sewer Pipe (SDR-35 PVC)	190.	LF	\$ _____	\$ _____
5	108.2	18" Gravity Sewer Pipe (SDR-35 PVC)	72.	LF	\$ _____	\$ _____
6	108.2	4" Sanitary Sewer Pipe (SDR-35 PVC) Price to Include connections to the sewer main and existing sewer service line.	952.	LF	\$ _____	\$ _____
7	108.2	12" Storm Drain Pipe (RCP or HP Storm)	110.	LF	\$ _____	\$ _____
8	108.2	Import Trench Material	5,000.	Ton	\$ _____	\$ _____
9	108.2	Bypass Pumping	Lump sum		---	\$ _____
10	108.3	8" X 4" Sewer Service Tap (Full Body Wye w/ Street 45°)	35.	EA	\$ _____	\$ _____
11	108.3	12" X 4" Sewer Service Tap (Full Body Wye w/ Street 45°)	2.	EA	\$ _____	\$ _____
12	108.3	Inserta Tee(15"18" Pipe)	4.	EA	\$ _____	\$ _____
13	108.3	Sanitary Sewer Service Clean-out Ring and Cover (Castings Inc. CO8030-CI or equivalent)	40.	EA	\$ _____	\$ _____
14	108.2	6" Water Pipe (C-900 PVC)	130.	LF	\$ _____	\$ _____
15	108.2	12" Water Pipe (C-900 PVC)	20.	LF	\$ _____	\$ _____
16	108.3	6" Gate Valve	2.	EA	\$ _____	\$ _____
17	108.4	6" X 3/4" Tapping Saddle	1.	EA	\$ _____	\$ _____
18	108.3	6' X6" Tee	1.	EA	\$ _____	\$ _____
19	108.3	12" X 6" Cross	1.	EA	\$ _____	\$ _____
20	108.5	6" 45deg Elbow	4.	EA	\$ _____	\$ _____

Bid Schedule: 2017 Sewer Line Replacement Phase A

Company Name: _____

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
21	108.4	3/4" Corperation Stop	1.	EA	\$ _____	\$ _____
22	108.3	6" Fitting (Special) (Hi-Max or engineer approved equal)	2.	EA	\$ _____	\$ _____
23	108.3	12" Fitting (Special) (Hi-Max or engineer approved equal)	2.	EA	\$ _____	\$ _____
24	108.5	Storm sewer Basic Manhole (48" I.D.)	1.	EA	\$ _____	\$ _____
25	108.5	Sanitary Sewer Basic Manhole (48" I.D.)	20.	EA	\$ _____	\$ _____
26	108.5	Manhole Barrel Section (D>5')(48" I.D.)	56.	VF	\$ _____	\$ _____
27	108.5	Sanitary Sewer Basic Manhole (60" I.D.)	10.	EA	\$ _____	\$ _____
28	108.5	Manhole Barrel Section (D>5')(60" I.D.)	49.	VF	\$ _____	\$ _____
29	108.5	Sanitary Sewer Basic Drop Manhole (48" I.D.)	1.	EA	\$ _____	\$ _____
30	108.5	Drop Manhole Barrel Section (D>5')(48" I.D.)	5.6	VF	\$ _____	\$ _____
31	108.5	Sanitary Sewer Basic Drop Manhole (60" I.D.)	3.	EA	\$ _____	\$ _____
32	108.5	Drop Manhole Barrel Section (D>5')(60" I.D.)	21.	VF	\$ _____	\$ _____
33	108.5	Connect to Existing Pipe (6" VCP)	2.	EA	\$ _____	\$ _____
34	108.5	Connect to Existing Pipe (8" VCP)	5.	EA	\$ _____	\$ _____
35	108.7	Granular Stabilization Material	350.	CY	\$ _____	\$ _____
36	202	Removal of Asphalt (Cut and Remove as shown on Plans)	3,250.	SY	\$ _____	\$ _____
37	202	Removal of Concrete (Saw Cut as required and remove concrete as shown on plans)	1,081.	SY	\$ _____	\$ _____

Bid Schedule: 2017 Sewer Line Replacement Phase A

Company Name: _____

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
38	202	Remove Sod	670.	SF	\$ _____	\$ _____
39	202	Removal of Manhole (No Re-Installation) (Price to inslucе plugging existing pipes, removal of consection and backfilling with a self consolidating Material)	14.	EA	\$ _____	\$ _____
40	203	Disposal of Radioactive Material	100.	CY	\$ _____	\$ _____
41	208	Erosion Control (Complete in Place)		Lump sum	---	\$ _____
42	208	Concrete Washout		Lump sum	---	\$ _____
43	209	Dust Abatement	100.	DAY	\$ _____	\$ _____
44	212	Re-Sod Areas as Shown	670.	SF	\$ _____	\$ _____
45	304	Aggregate Base Course (Class 6) (6" thick)(BOW locations)	110.	SY	\$ _____	\$ _____
46	304	Aggregate Base Course (Class 6) (12" thick)	1,530.	SY	\$ _____	\$ _____
47	304	Aggregate Base Course (Class 6) (16" thick)	1,610.	SY	\$ _____	\$ _____
48	401	Hot Mix Asphalt (Patching)(1 " Thick) Grading SX Binder 64-22	3,140.	SY	\$ _____	\$ _____
49	401	Hot Mix Asphalt (Patching)(3" Thick) Grading SX Binder 64-22	110.	SY	\$ _____	\$ _____
50	608	Concrete Drive Over Curb and Gutter (2' Wide)	70.	LF	\$ _____	\$ _____
51	608	Monlithic Drive Over Curb Gutter and Sidewalk (Width Varies)	160.	SY	\$ _____	\$ _____
52	608	Concrete Sidewalk (4" thick)	35.	SY	\$ _____	\$ _____
53	608	Concrete Driveway Section (6" Thick)	1,040.	SY	\$ _____	\$ _____
54	620	Portable Sanitary Facility		Lump sum	---	\$ _____
55	625	Construction Surveying		Lump sum	---	\$ _____

Bid Schedule: 2017 Sewer Line Replacement Phase A

Company Name: _____

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
56	626	Mobilization		Lump sum	---	\$ _____
57	629	Survey Monument (Reference and Reset)	5.	EA	\$ _____	\$ _____
58	630	Traffic Control (Complete in Place)		Lump sum	---	\$ _____
59	630	Traffic Control Plan		Lump sum	---	\$ _____
60	630	Flagging	750.	HR	\$ _____	\$ _____
61	GCC-56	Newsletters (20-80 per distribution)(weekly)		Lump sum	---	\$ _____
62	SP1	Quality Control Testing		Lump sum	---	\$ _____
63	SP2	Installation of Clean-out (Price to Include Two way sweep, vertical extension, coupling to existing PVC Pipe and cap)	4.	EA	\$ _____	\$ _____
64	SP3	Repair sag Line Per drawing SHT 6 of plan set		Lump Sum	---	\$ _____
MCR		Minor Contract Revisions	---	---	---	\$ <u>100,000.00</u>
Bid Amount:						\$ _____

Bid Amount: _____

dollars

2017 SEWER LINE REPAIR & REPLACEMENTS PHASE A JANUARY, 2017

- 1 — Cover Sheet
- 2 — Standard Abbreviations, Legend, and Symbols
- 3 — Summary of Approximate Quantities
- 4 — Project Control Map
- 5 — PROJECT LOCATION MAP
- 6 — 25 ROAD SEWER SAG REPAIR
- 7 — BOOKCLIFF AVENUE SEWER
- 8-13 — 4TH STREET SEWER
- 14-15 — 7TH STREET SEWER
- 16-18 — 9TH STREET SEWER
- 19-26 — 12TH STREET SEWER
- 27 — 12TH STREET STORM DRAIN
- 28 — 12TH STREET WATER
- 29-33 — GUNNISON AVE SEWER
- 34-36 — GUNNISON AVE DRIVEWAY REPLACEMENTS

UTILITIES AND AGENCIES								
AGENCY	NAME	POSITION	ROLE	MAILING ADDRESS	STREET ADDRESS	CITY, STATE	VOICE-NK	FAK
GRAND JUNCTION, CITY OF	JUSTIN VERDEL	PROJECT ENGINEER	PROJECT ENGINEER	250 N. 5th STREET	250 N. 5th STREET	GRAND JCT., CO 81501	(970) 258-4017	(970) 258-4008
GRAND JUNCTION, CITY OF	TRENT PRALL	ENGINEERING MANAGER	SANITARY SEWER	250 N. 5th STREET	250 N. 5th STREET	GRAND JCT., CO 81501	(970) 258-4047	(970) 258-4008
GRAND VALLEY IRRIGATION CO.	PAUL BERTHIAUD		IRRIGATION	888 28 ROAD	888 28 ROAD	GRAND JCT., CO 81508	(970) 242-2782	
CHARTER	JEFF VALDEZ	MANAGER	CABLE TV	2802 FOREMONT CIRCLE	2802 FOREMONT CIRCLE	GRAND JCT., CO 81504	(970) 248-8780	(970) 248-8803
U.S. WEST/QUENT	CHRIS JOHNSON	ENGINEER	TELEPHONE	2634 BUCHMANN AVE	2634 BUCHMANN AVE	GRAND JCT., CO 81504	(970) 244-4311	(970) 248-4348
UTE WATER	AUSTIN DATES	MAINTENANCE SUPERVISOR	WATER	PO BOX 480		GRAND JCT., CO 81502	(970) 258-2888	(970) 248-8188
XCEL	DM TERRECHES	UNIT MANAGER	GNL ELECTRIC	2638 BUCHMANN AVE	2638 BUCHMANN AVE	GRAND JCT., CO 81508	(970) 244-2888	(970) 244-2881

DRAWING STATUS:	
00 - PREPARED	
01 - FINAL CONSTRUCTION DRAWING	
02 - ASUILT	
DESIGNED BY:	
JUSTIN VERDEL, PROJECT ENGINEER	2017
REVIEWED BY:	
BRENTON C. PRALL, CITY ENGINEER	2017
AUTHORIZED FOR CONSTRUCTION	
ACCEPTED AS CONSTRUCTED	
JUSTIN VERDEL, PROJECT ENGINEER	2017

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

AGENCY	DESCRIPTION	DATE
REVISION A		
REVISION A		
REVISION A		
REVISION A		



City of Grand Junction
Public Works
Engineering Division

Bid Schedule: 2017 Sewer Line Replacement Phase A

Company Name: _____

Item No.	CDOT City Ref.	Description	Quantity	Units	Unit Price	Total Price
1	108.2	6" Gravity Sewer Pipe (SDR-35 PVC)	100.	LF	\$ _____	\$ _____
2	108.2	8" Gravity Sewer Pipe (SDR-35 PVC)	1,865.	LF	\$ _____	\$ _____
3	108.2	12" Gravity Sewer Pipe (SDR-35 PVC)	1,335.	LF	\$ _____	\$ _____
4	108.2	15" Gravity Sewer Pipe (SDR-35 PVC)	190.	LF	\$ _____	\$ _____
5	108.2	18" Gravity Sewer Pipe (SDR-35 PVC)	72.	LF	\$ _____	\$ _____
6	108.2	4" Sanitary Sewer Pipe (SDR-35 PVC) Price to Include connections to the sewer main and existing sewer service line.	952.	LF	\$ _____	\$ _____
7	108.2	12" Storm Drain Pipe (RCP or HP Storm)	110.	LF	\$ _____	\$ _____
8	108.2	Import Trench Material	5,000.	Ton	\$ _____	\$ _____
9	108.2	Bypass Pumping		Lump sum	---	\$ _____
10	108.3	8" X 4" Sewer Service Tap (Full Body Wye w/ Street 45°)	35.	EA	\$ _____	\$ _____
11	108.3	12" X 4" Sewer Service Tap (Full Body Wye w/ Street 45°)	2.	EA	\$ _____	\$ _____
12	108.3	Inserta Tee(15"18" Pipe)	4.	EA	\$ _____	\$ _____
13	108.3	Sanitary Sewer Service Clean-out Ring and Cover (Castings Inc. CO8030-CI or equivalent)	40.	EA	\$ _____	\$ _____
14	108.2	6" Water Pipe (C-900 PVC)	130.	LF	\$ _____	\$ _____
15	108.2	12" Water Pipe (C-900 PVC)	20.	LF	\$ _____	\$ _____
16	108.3	6" Gate Valve	2.	EA	\$ _____	\$ _____
17	108.4	6" X 3/4" Tapping Saddle	1.	EA	\$ _____	\$ _____
18	108.3	6" X6" Tee	1.	EA	\$ _____	\$ _____
19	108.3	12" X 6" Cross	1.	EA	\$ _____	\$ _____
20	108.5	6" 45deg Elbow	4.	EA	\$ _____	\$ _____
21	108.4	3/4" Corperation Stop	1.	EA	\$ _____	\$ _____
22	108.3	6" Fitting (Special) (Hi-Max or engineer approved equal)	2.	EA	\$ _____	\$ _____
23	108.3	12" Fitting (Special) (Hi-Max or engineer approved equal)	2.	EA	\$ _____	\$ _____
24	108.5	Storm sewer Basic Manhole (48" I.D.)	1.	EA	\$ _____	\$ _____
25	108.5	Sanitary Sewer Basic Manhole (48" I.D.)	20.	EA	\$ _____	\$ _____
26	108.5	Manhole Barrel Section (D>5")(48" I.D.)	56.	VF	\$ _____	\$ _____
27	108.5	Sanitary Sewer Basic Manhole (60" I.D.)	10.	EA	\$ _____	\$ _____
28	108.5	Manhole Barrel Section (D>5")(60" I.D.)	49.	VF	\$ _____	\$ _____
29	108.5	Sanitary Sewer Basic Drop Manhole (48" I.D.)	1.	EA	\$ _____	\$ _____

29	108.5	Sanitary Sewer Basic Drop Manhole (48" I.D.)	1.	EA	\$ _____	\$ _____
30	108.5	Drop Manhole Barrel Section (D>5")(48" I.D.)	5.6	VF	\$ _____	\$ _____
31	108.5	Sanitary Sewer Basic Drop Manhole (60" I.D.)	3.	EA	\$ _____	\$ _____
32	108.5	Drop Manhole Barrel Section (D>5")(60" I.D.)	21.	VF	\$ _____	\$ _____
33	108.5	Connect to Existing Pipe (6" VCP)	2.	EA	\$ _____	\$ _____
34	108.5	Connect to Existing Pipe (8" VCP)	5.	EA	\$ _____	\$ _____
35	108.7	Granular Stabilization Material	350.	CY	\$ _____	\$ _____
36	202	Removal of Asphalt (Cut and Remove as shown on Plans)	3,250.	SY	\$ _____	\$ _____
37	202	Removal of Concrete (Saw Cut as required and remove concrete as shown on plans)	1,081.	SY	\$ _____	\$ _____
38	202	Remove Sod	670.	SF	\$ _____	\$ _____
39	202	Removal of Manhole (No Re-Installation) (Price to inslude plugging existing pipes, removal of conection and backfilling with a self consolidating Material)	14.	EA	\$ _____	\$ _____
40	203	Disposal of Radioactive Material	100.	CY	\$ _____	\$ _____
41	208	Erosion Control (Complete in Place)		Lump sum	---	\$ _____
42	208	Concrete Washout		Lump sum	---	\$ _____
43	209	Dust Abatement	100.	DAY	\$ _____	\$ _____
44	212	Re-Sod Areas as Shown	670.	SF	\$ _____	\$ _____
45	304	Aggregate Base Course (Class 6) (6" thick)(BOW locations)	110.	SY	\$ _____	\$ _____
46	304	Aggregate Base Course (Class 6) (12" thick)	1,530.	SY	\$ _____	\$ _____
47	304	Aggregate Base Course (Class 6) (16" thick)	1,610.	SY	\$ _____	\$ _____
48	401	Hot Mix Asphalt (Patching)(1" Thick) Grading SX Binder 64-22	3,140.	SY	\$ _____	\$ _____
49	401	Hot Mix Asphalt (Patching)(3" Thick) Grading SX Binder 64-22	110.	SY	\$ _____	\$ _____
50	608	Concrete Drive Over Curb and Gutter (2' Wide)	70.	LF	\$ _____	\$ _____
51	608	Monolithic Drive Over Curb Gutter and Sidewalk (Width Varies)	160.	SY	\$ _____	\$ _____
52	608	Concrete Sidewalk (4" thick)	35.	SY	\$ _____	\$ _____
53	608	Concrete Driveway Section (6" Thick)	1,040.	SY	\$ _____	\$ _____
54	620	Portable Sanitary Facility		Lump sum	---	\$ _____

55	625	Construction Surveying		Lump sum	---	\$ _____
56	626	Mobilization		Lump sum	---	\$ _____
57	629	Survey Monument (Reference and Reset)	5.	EA	\$ _____	\$ _____
58	630	Traffic Control (Complete in Place)		Lump sum	---	\$ _____
59	630	Traffic Control Plan		Lump sum	---	\$ _____
60	630	Flagging	750.	HR	\$ _____	\$ _____
61	GCC-56	Newsletters (20-80 per distribution)(weekly)		Lump sum	---	\$ _____
62	SP1	Quality Control Testing		Lump sum	---	\$ _____
63	SP2	Installation of Clean-out (Price to Include Two way sweep, vertical extension, coupling to existing PVC Pipe and cap)	4.	EA	\$ _____	\$ _____
64	SP3	Repair sag Line Per drawing SHT 6 of plan set		Lump Sum	---	\$ _____
MCR		Minor Contract Revisions		---	---	\$ 100,000.00

Bid Amount:

Bid Amount: \$ _____

dollars

(SEE PROJECT SPECIFICATIONS FOR SUMMARY OF APPROXIMATE QUANTITIES)

REVISION A	DATE	DESCRIPTION
REVISION B	DATE	DESCRIPTION
REVISION C	DATE	DESCRIPTION
REVISION D	DATE	DESCRIPTION

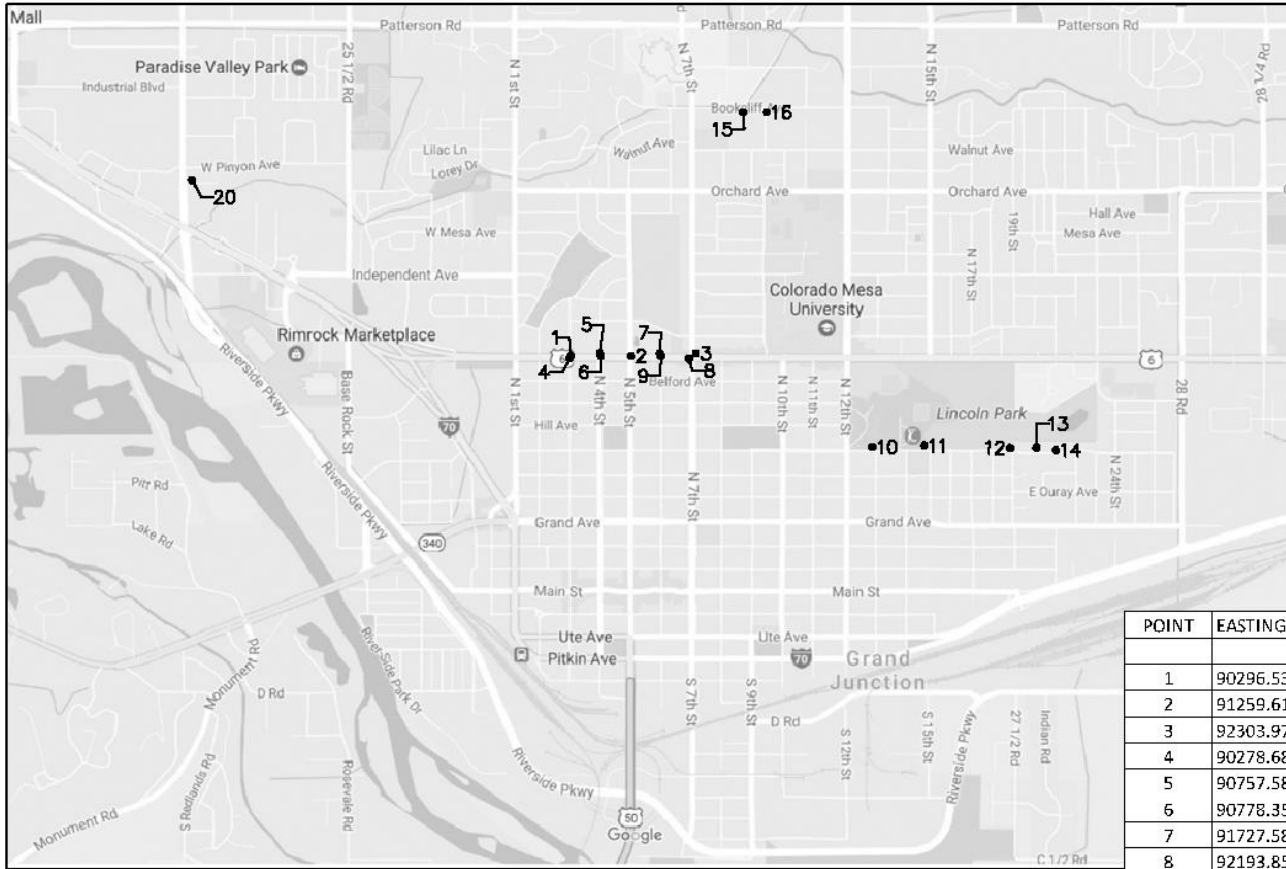
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 APPROVED BY: JPC DATE: 2016



**PUBLIC WORKS
ENGINEERING DIVISION**

**2017 SEWER LINE REPLACEMENTS
PHASE A**

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CONTROL MAP

POINT	EASTING	NORTHING	ELEVATION	DESCRIPTION
1	90296.531	39473.114	4598.323	CSM /NO5 RB 3RD-NORTH/
2	91259.613	39470.743	4603.937	CSM /NO5 RB 5TH-NORTH/
3	92303.973	39510.884	4609.939	BM /3"BC USGS STA G1.3/
4	90278.686	39432.504	4598.453	CP /PK DANS/
5	90757.589	39512.579	4600.697	CP /PK TROPICAL/
6	90778.355	39471.998	4600.754	CSM /PIN-WASH 4TH-NORTH/
7	91727.583	39509.623	4606.153	CP /PK MARTIN/
8	92193.853	39428.204	4609.323	CP /PK VERIZON/
9	91741.097	39469.597	4606.255	CSM /6TH&NO/
10	95146.046	38007.246	4608.503	CP /PK 13TH/
11	95982.386	38028.951	4609.963	CP /PK 15TH/
12	97361.486	37988.755	4611.205	CP /PK 19/
13	97782.103	37994.255	4609.817	CP /PK 2012/
14	98095.855	37955.754	4607.927	CP /PK 2113/
15	93068.191	43391.33	4642.932	CP /PK L BOOK/
16	98572.398	38010.652	4605.551	CP /PK/
16	93447.121	43390.111	4645.245	CP /PK 9TH/
20	84204.27	42298.761	4563.771	CP /PK EATON/

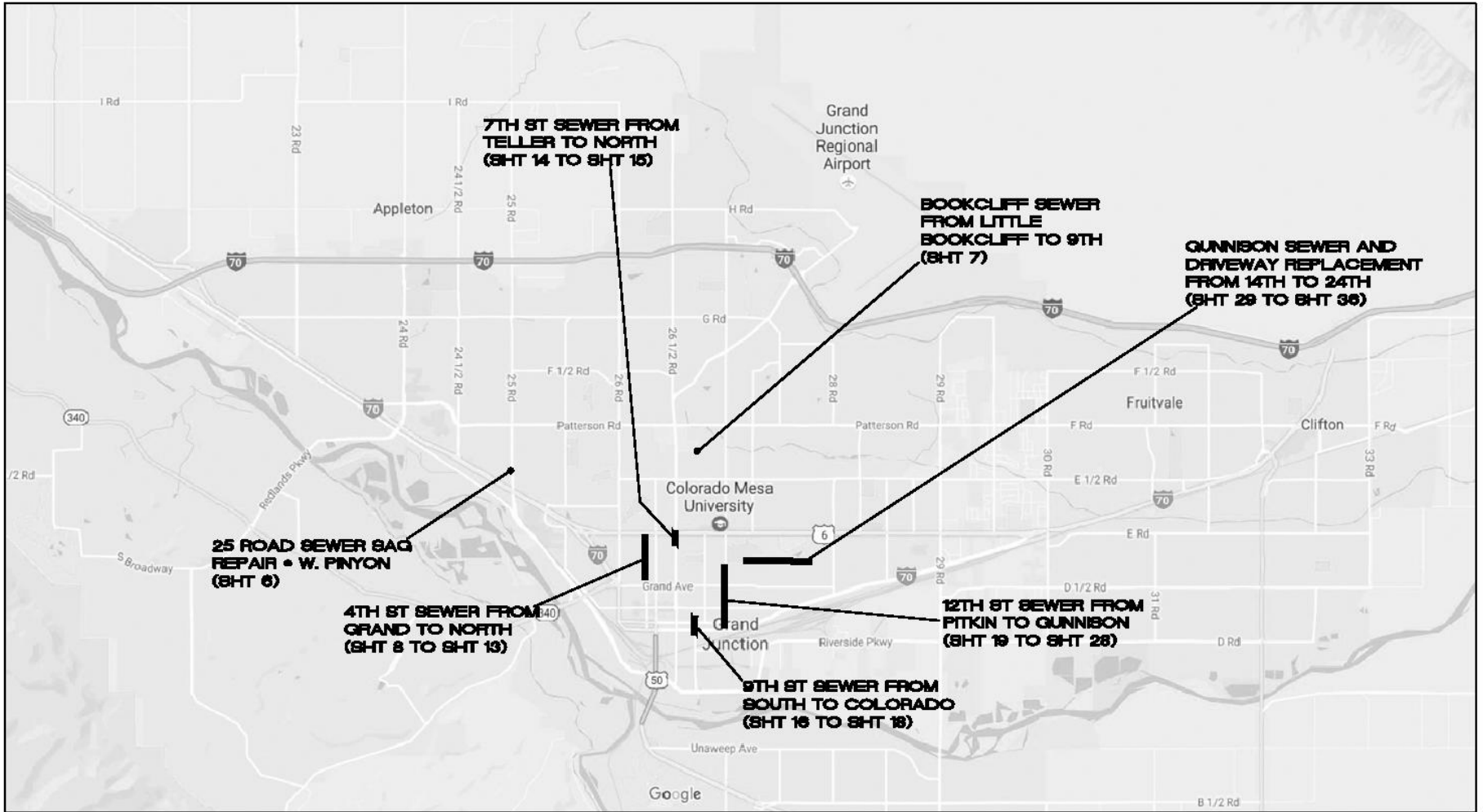
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REVISION A.XXX	2018	MM/AA	MM/AA	2018	
REVISION A.XXX	2018	MM/AA	MM/AA	2018	



**PUBLIC WORKS
ENGINEERING DIVISION**

**2017 SEWER LINE REPLACEMENTS
PHASE A**

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LOCATION MAP

REVISION	DATE	DESCRIPTION
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REVISION B	2018	ISSUED FOR PERMITS
REVISION C	2018	ISSUED FOR PERMITS
REVISION D	2018	ISSUED FOR PERMITS

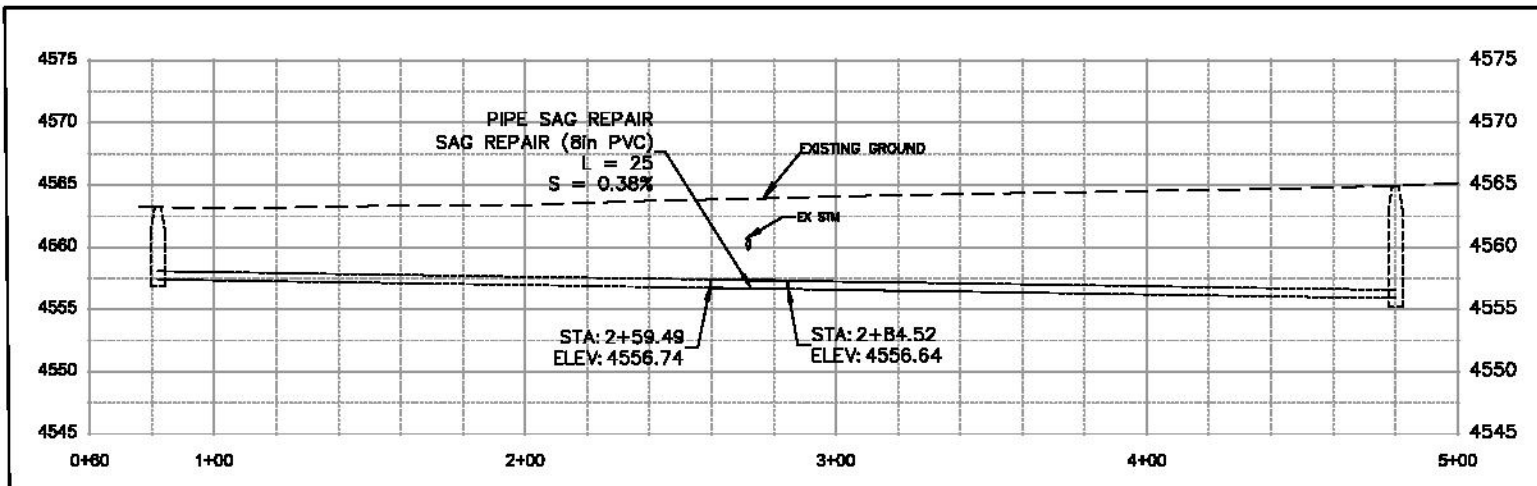
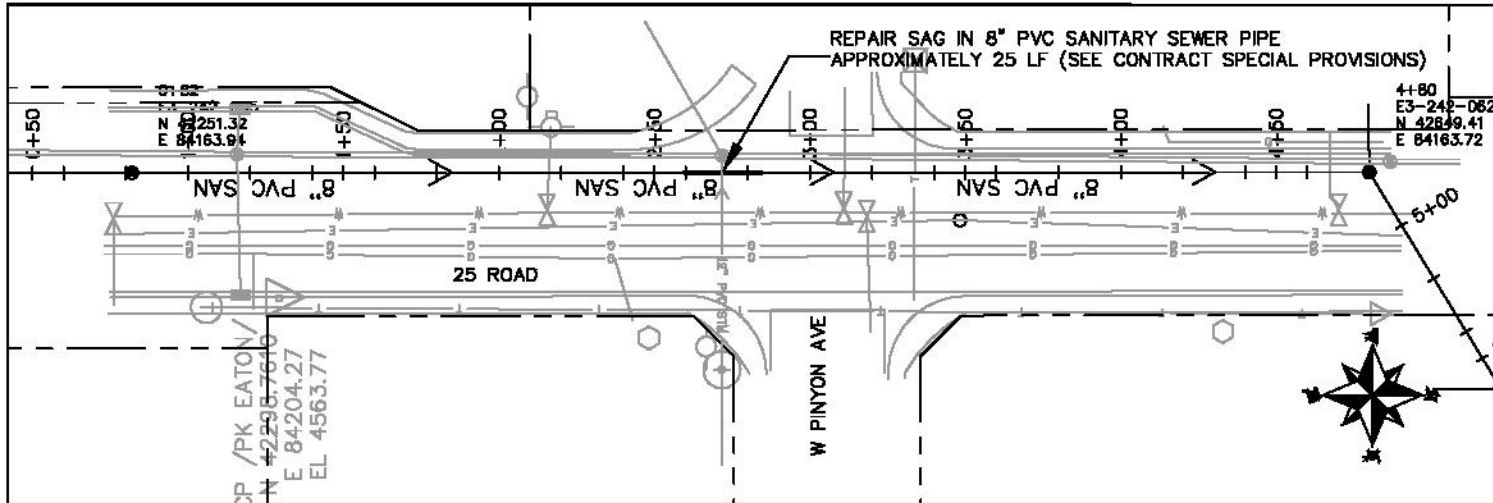
DATE	BY	CHECKED	APPROVED
2018	JAY	JAY	JCP



**PUBLIC WORKS
ENGINEERING DIVISION**

**2017 SEWER LINE REPLACEMENTS
PHASE A**

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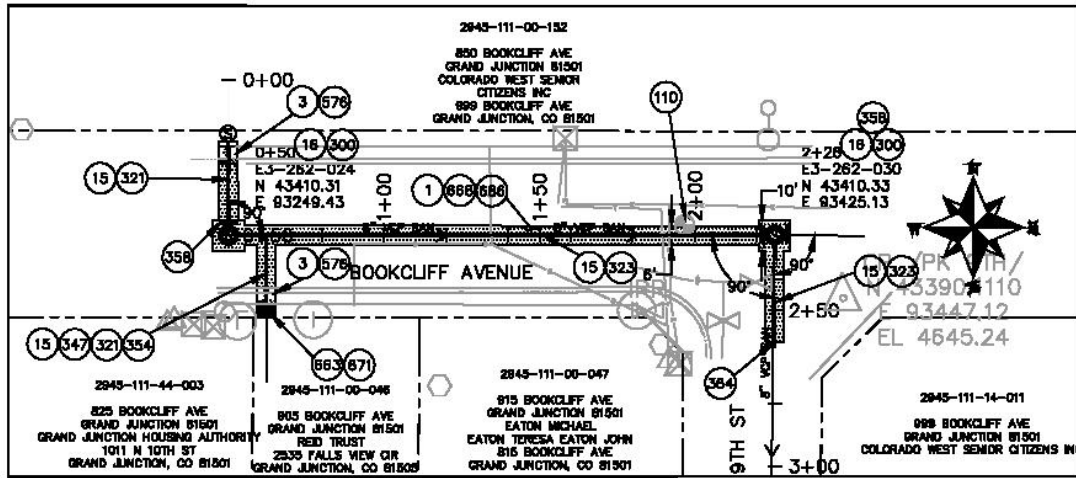
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REVISION B	2018	LMC/ACE	2018	AS SHOWN
REVISION C	2018	JMY	2018	AS SHOWN
REVISION D	2018	JCP	2018	AS SHOWN



PUBLIC WORKS
ENGINEERING DIVISION

2017 SEWER LINE REPLACEMENTS
PHASE A

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- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 110 - REFERENCE AND RESET SURVEY MONUMENT. PRIOR TO ANY CONSTRUCTION THE CONTRACTOR'S SURVEYOR MUST SUBMIT FIELD NOTES DETAILING THE PERMANENT REFERENCES PLACED FOR EACH MONUMENT IN DANGER OF LOSS DUE TO CONSTRUCTION.
- 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (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).
- 321 102.9/108.2 - 4" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 347 102.9/108.3 - 8" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
- 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 364 CONNECT TO EXISTING SEWER PIPE. THE CONTRACT PRICE FOR SEWER PRICE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
- 576 608.06 - CONCRETE DRIVEWAY SECTION (6" THICK) (RESIDENTIAL)
- 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
- 668 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
- 671 304 - WASHED ROCK SURFACE COURSE FOR GRAVEL DRIVEWAYS. MATCH EXISTING TYPE. THICKNESS IS 2" MIN. AND 3" MAX.
- 688 401.08 - HOT BITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)

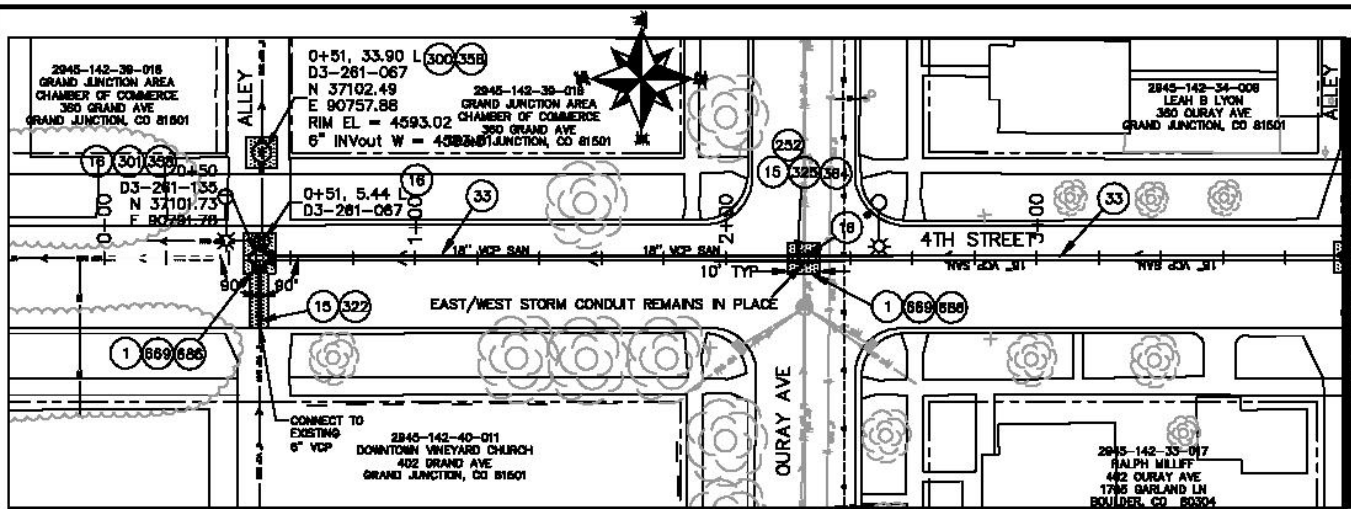
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REVISION D	XXX	2018	JCP	DATE 2018	JCP	DATE 2018		



**PUBLIC WORKS
ENGINEERING DIVISION**

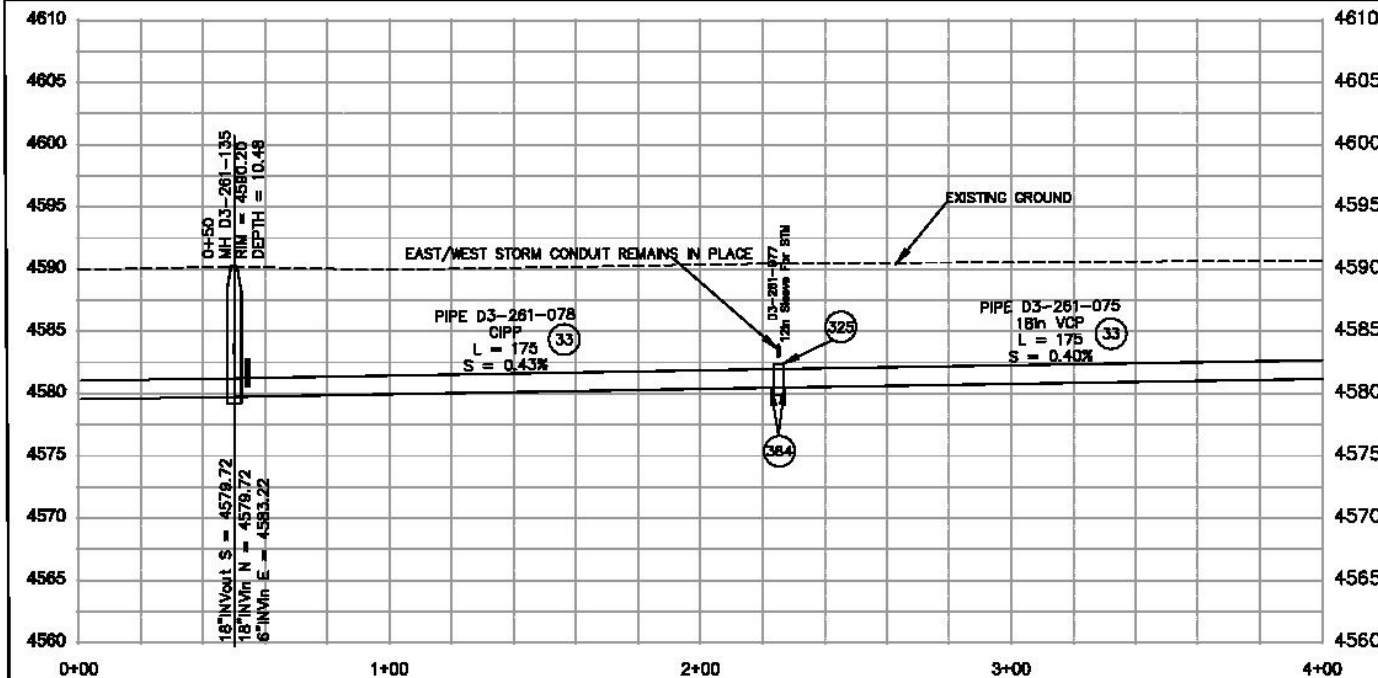
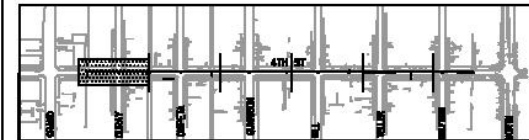
**2017 SEWER LINE REPLACEMENTS
PHASE A**

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CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 33 SP - CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC. (SEPARATE CONTRACT.)
- 252 MANHOLE SHALL BE REMOVED, NEW PIPE INSTALLED, AND CONNECTIONS BACK TO EXISTING PIPE COMPLETED PRIOR TO GPP OPERATIONS FOR THIS RUN. CIPP "THROUGH" OLD MANHOLE LOCATION.
- 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (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).
- 301 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (60" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- 322 102.9/108.2 - 6" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 325 102.9/108.2 - 18" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 384 CONNECT TO EXISTING SEWER PIPE. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE
- 689 304 - AGGREGATE BASE COURSE (CLASS 6) (18" THICK)
- 686 401.08 - HOT BITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE 2018	SCALE
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REVISION B	ADD	1/17/2017
REVISION C	ADD	1/17/2017
REVISION D	ADD	1/17/2017



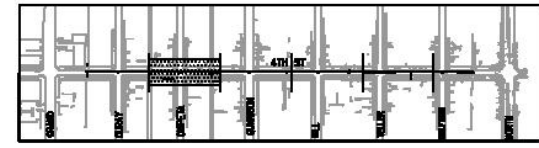
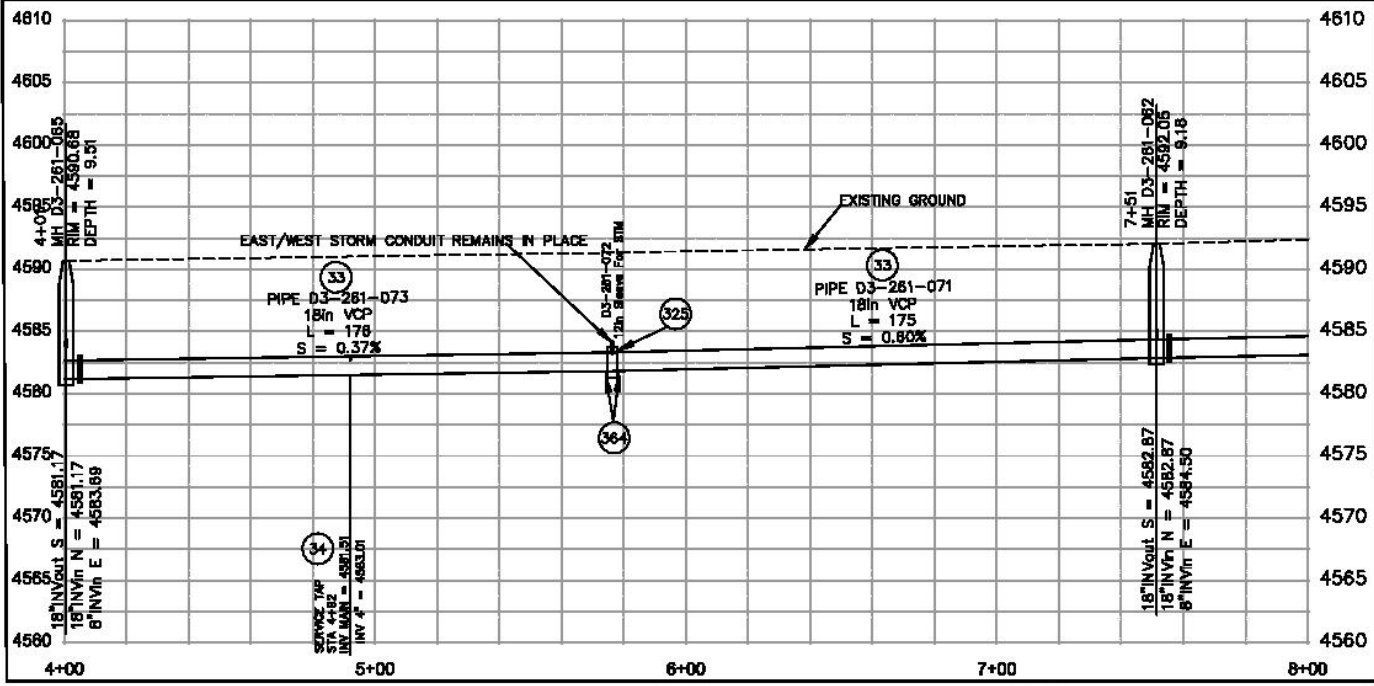
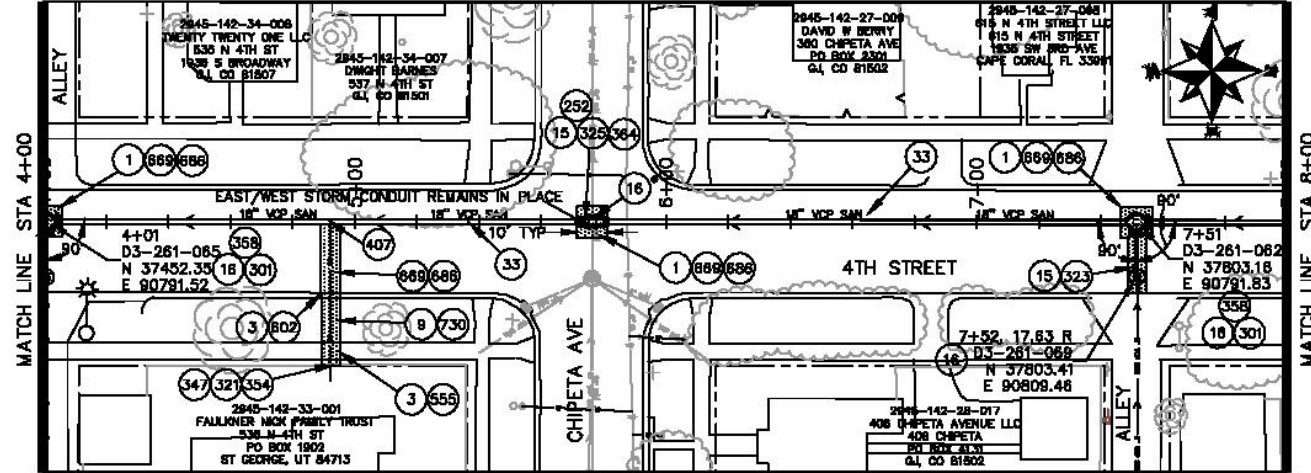
**PUBLIC WORKS
ENGINEERING DIVISION**

**2017 SEWER LINE REPLACEMENTS
PHASE A**

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CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 5 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
- 9 202 - REMOVAL OF SOO.
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 33 SP - CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC. (SEPARATE CONTRACT.)
- 34 REMOVE CIPP COUPON AT SERVICE LOCATION (INCIDENTAL TO CIPP) (SEPARATE CONTRACT.)
- 252 MANHOLE SHALL BE REMOVED, NEW PIPE INSTALLED, AND CONNECTIONS BACK TO EXISTING PIPE COMPLETED PRIOR TO CIPP OPERATIONS FOR THIS RUN. CIPP "THROUGH" OLD MANHOLE LOCATION.
- 301 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (60" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- 321 102.9/108.2 - 4" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 325 102.9/108.2 - 15" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 347 102.9/108.3 - 8" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
- 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 384 CONNECT TO EXISTING SEWER PIPE. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE
- 407 102.8/108.3 - TEE (SIZE AS SHOWN).
- 555 608.06 - CONCRETE SIDEWALK (4" THICK)
- 802 608.08 - CONCRETE CURB AND GUTTER (2" WIDE)
- 889 304 - AGGREGATE BASECOURSE (CLASS 6) (18" THICK)
- 886 401.08 - HOTBITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)
- 730 212 - RESOD AREA AS SHOWN



KEYMAP

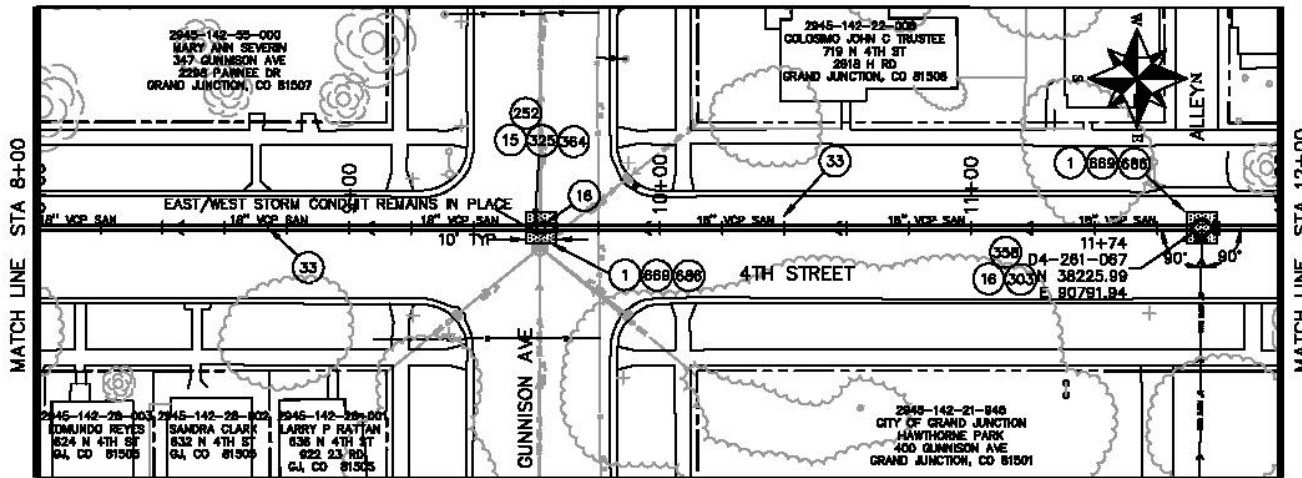
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CITY OF
Grand Junction
COLORADO

PUBLIC WORKS
ENGINEERING DIVISION

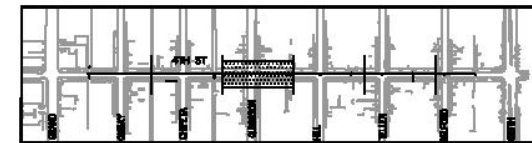
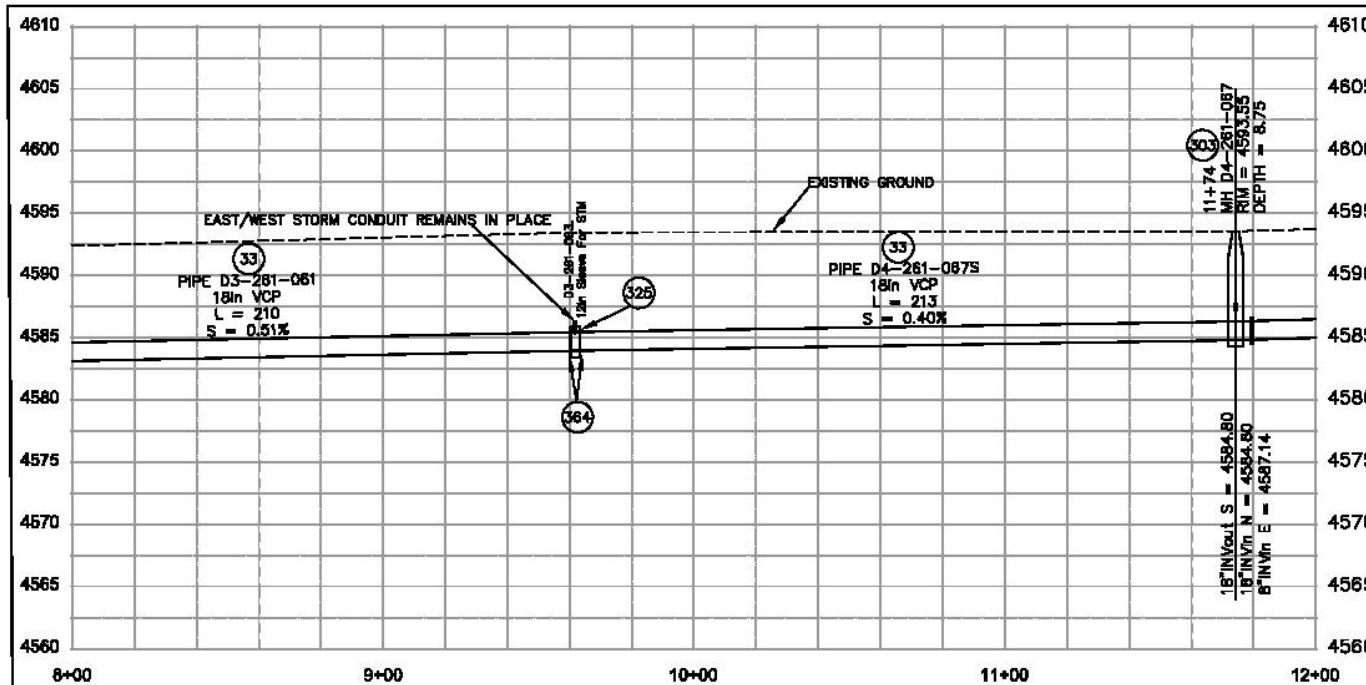
2017 SEWER LINE REPLACEMENTS
PHASE A

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CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 33 SP - CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC. (SEPARATE CONTRACT.)
- 252 MANHOLE SHALL BE REMOVED, NEW PIPE INSTALLED, AND CONNECTIONS BACK TO EXISTING PIPE COMPLETED PRIOR TO CIPP OPERATIONS FOR THIS RUN. CIPP "THROUGH" OLD MANHOLE LOCATION.
- 303 102.11/108.5 - SANITARY SEWER BASIC DROP MANHOLE (80" I.D.). INCLUDES MANHOLE COATING AS PER 102.11. (SEE STD. DETAIL SS-04).
- 325 102.8/108.2 - 18" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 364 CONNECT TO EXISTING SEWER PIPE. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE
- 669 304 - AGGREGATE BASE COURSE (CLASS 6) (18" THICK)
- 688 401.08 - HOT BITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)



KEYMAP

REVISION	DESCRIPTION	DATE	DRAWN BY	CHK/APP. DATE 2018	DESIGNER
REVISION A.202		2018			PLAN & PROFILE
REVISION B.202		2018			
REVISION C.202		2018			
REVISION D.202		2018			
REVISION E.202		2018			

CITY OF
Grand Junction
COLORADO

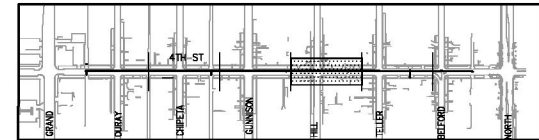
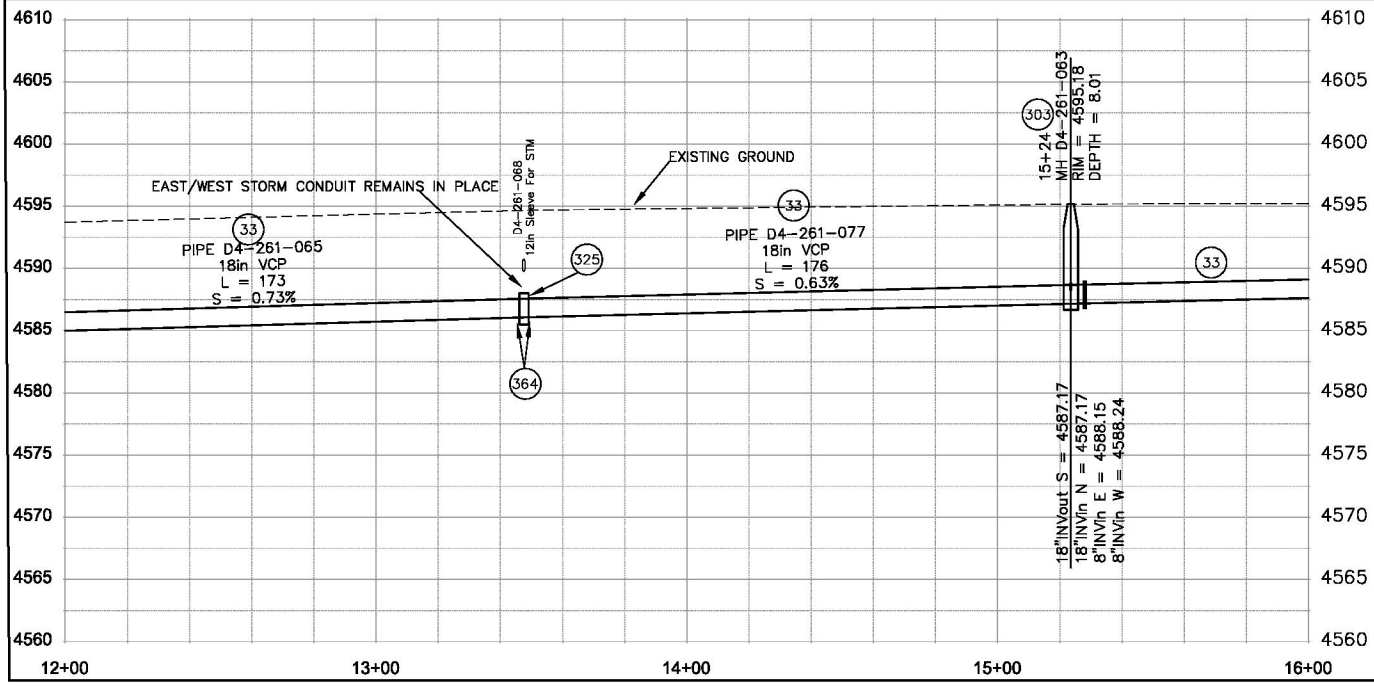
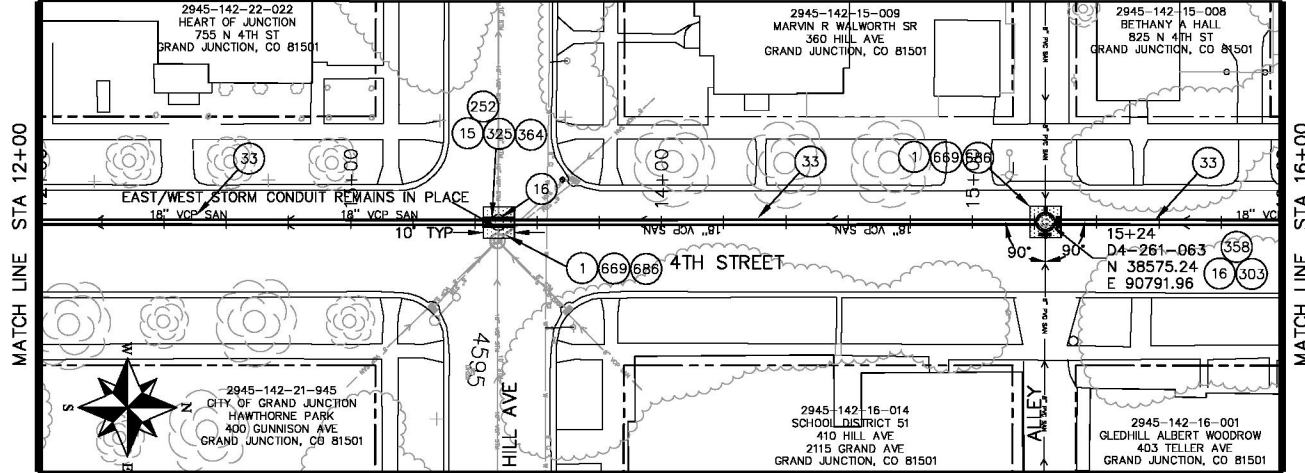
PUBLIC WORKS
ENGINEERING DIVISION

2017 SEWER LINE REPLACEMENTS
PHASE A

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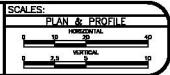
CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 33 SP - CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC. (SEPARATE CONTRACT.)
- 252 MANHOLE SHALL BE REMOVED, NEW PIPE INSTALLED, AND CONNECTIONS BACK TO EXISTING PIPE COMPLETED PRIOR TO CIPP OPERATIONS FOR THIS RUN. CIPP "THROUGH" OLD MANHOLE LOCATION.
- 303 102.11/108.5 - SANITARY SEWER BASIC DROP MANHOLE (60" I.D.). INCLUDES MANHOLE COATING AS PER 102.11. (SEE STD. DETAIL SS-04).
- 325 102.9/108.2 - 18" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 364 CONNECT TO EXISTING SEWER PIPE. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE
- 669 304 - AGGREGATE BASECOURSE (CLASS 6) (16" THICK)
- 686 401.08 - HOTBITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)



KEYMAP

REVISION	DESCRIPTION	DATE	DRAWN BY	HMC/JCS	DATE	2018
REVISION A	XXX	201X	DESIGNED BY	HMC/JCS	DATE	2018
REVISION B	XXX	201X	CHECKED BY	JJV	DATE	2016
REVISION C	XXX	201X	APPROVED BY	ICP	DATE	2016



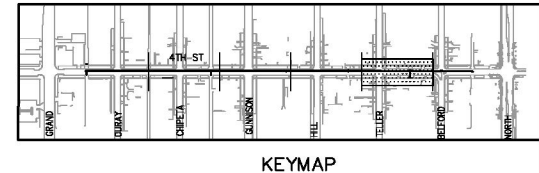
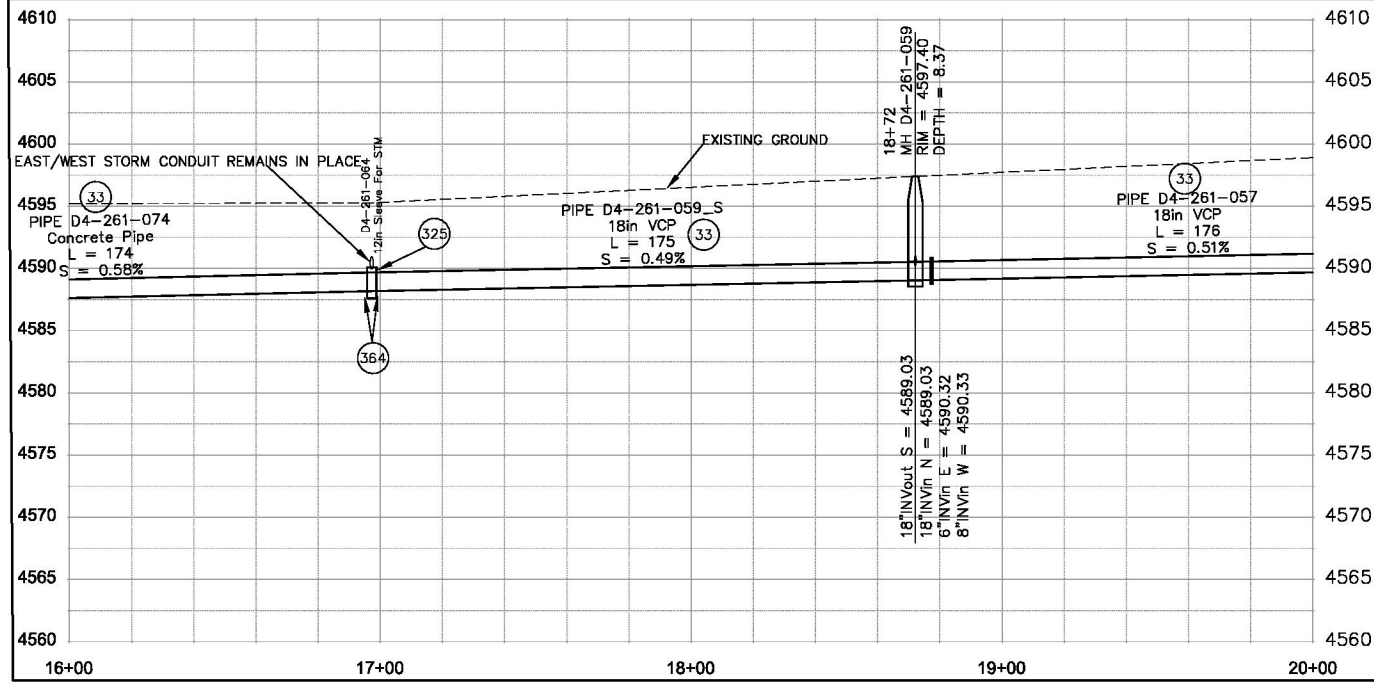
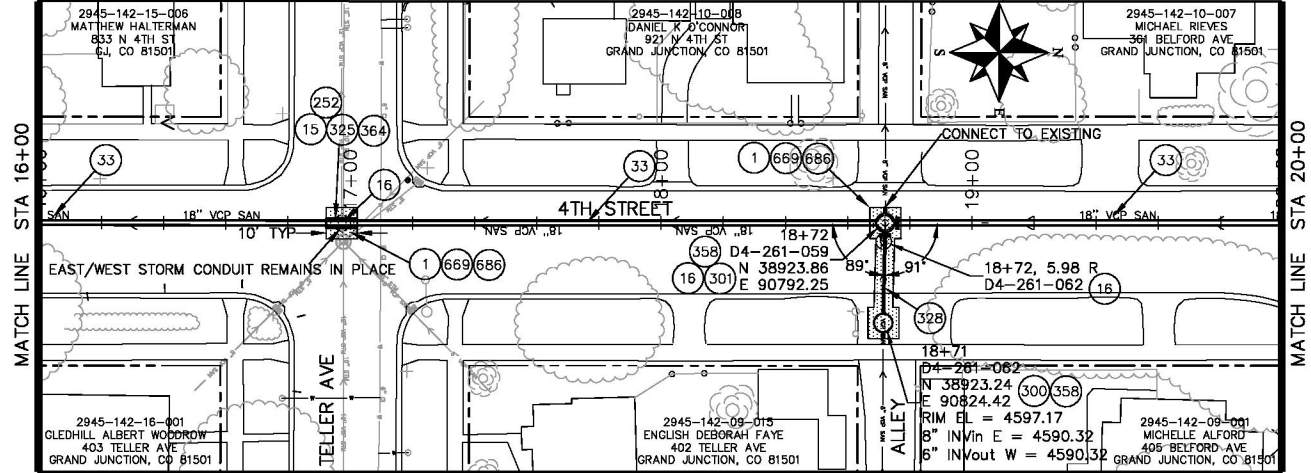
**PUBLIC WORKS
ENGINEERING DIVISION**

**2017 SEWER LINE REPLACEMENTS
PHASE A**

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CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 33 CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC. (SEPARATE CONTRACT.)
- 252 MANHOLE SHALL BE REMOVED, NEW PIPE INSTALLED, AND CONNECTIONS BACK TO EXISTING PIPE COMPLETED PRIOR TO CIPP OPERATIONS FOR THIS RUN. CIPP "THROUGH" OLD MANHOLE LOCATION.
- 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (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)
- 301 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (60" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- 325 102.9/108.2 - 18" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 328 102.9/108.2 - 6" GRAVITY SEWER PIPE (OTHER THAN SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 364 CONNECT TO EXISTING SEWER PIPE. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE
- 669 304 - AGGREGATE BASECOURSE (CLASS 6) (16" THICK)
- 686 401.08 - HOTBITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)



REVISION	DESCRIPTION	DATE	DRAWN BY	HMC/JCS	DATE	2018
REVISION A XXX		201X	DESIGNED BY	HMC/JCS	DATE	2018
REVISION B XXX		201X	CHECKED BY	JJV	DATE	2018
REVISION C XXX		201X	APPROVED BY	ICP	DATE	2018

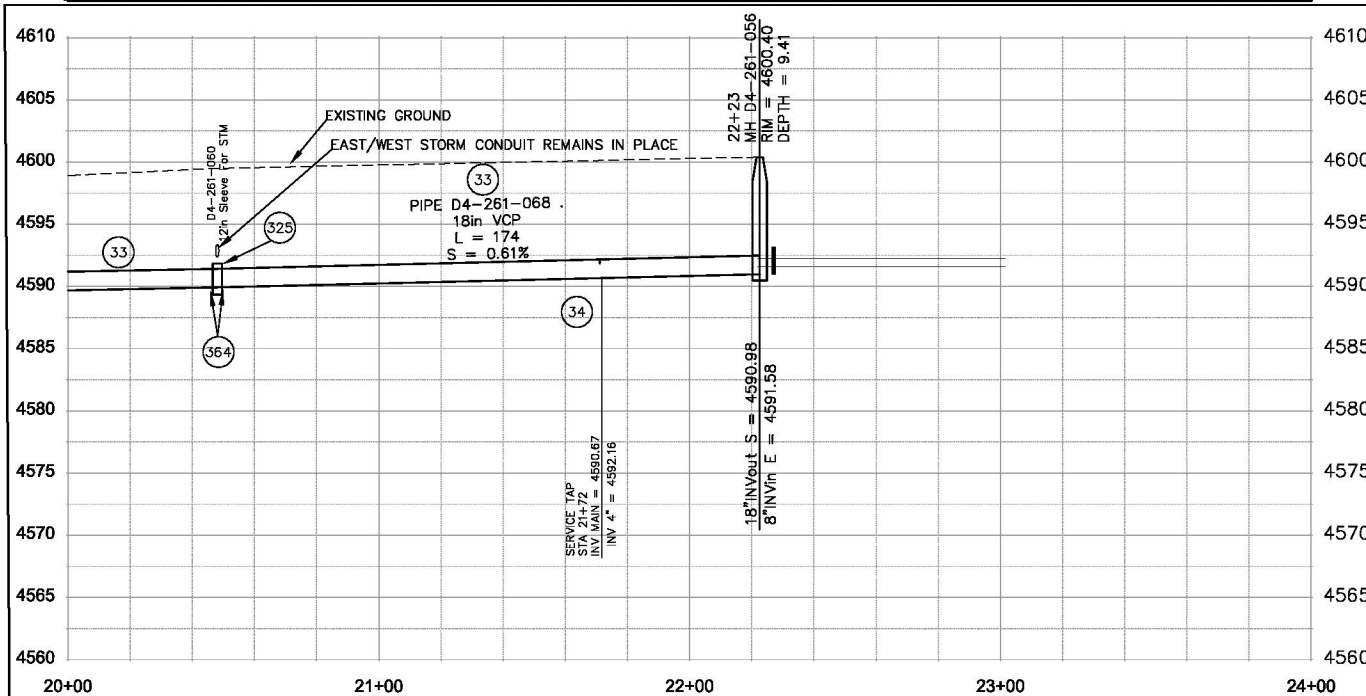
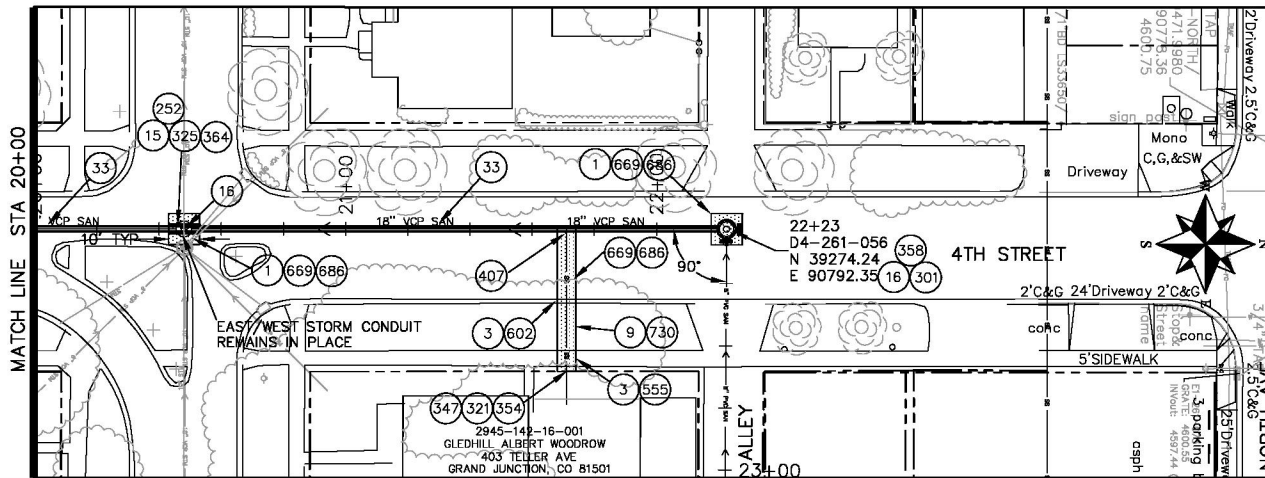
CITY OF Grand Junction COLORADO

SCALES:
 PLAN & PROFILE
 1" = 40'
 1" = 20'

PUBLIC WORKS ENGINEERING DIVISION

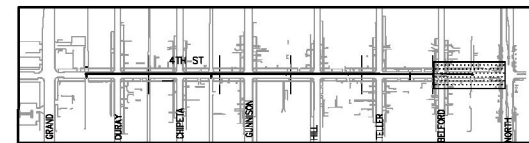
2017 SEWER LINE REPLACEMENTS PHASE A

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CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN)
- 3 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 9 202 - REMOVAL OF SOD.
- 15 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 33 SP - CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC. (SEPARATE CONTRACT.)
- 34 REMOVE CIPP COUPON AT SERVICE LOCATION (INCIDENTAL TO CIPP) (SEPARATE CONTRACT.)
- 252 MANHOLE SHALL BE REMOVED, NEW PIPE INSTALLED, AND CONNECTIONS BACK TO EXISTING PIPE COMPLETED PRIOR TO CIPP OPERATIONS FOR THIS RUN. CIPP "THROUGH" OLD MANHOLE LOCATION.
- 301 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (60" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- 321 102.9/108.2 - 4" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 325 102.9/108.2 - 18" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 347 102.9/108.3 - 8" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
- 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 364 CONNECT TO EXISTING SEWER PIPE. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE
- 407 102.8/108.3 - TEE (SIZE AS SHOWN).
- 555 608.06 - CONCRETE SIDEWALK (4" THICK)
- 602 608.06 - CONCRETE CURB AND GUTTER (2' WIDE)
- 669 304 - AGGREGATE BASECOURSE (CLASS 6) (16" THICK)
- 686 401.08 - HOTBITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)
- 730 212 - RESOD AREA AS SHOWN



KEYMAP

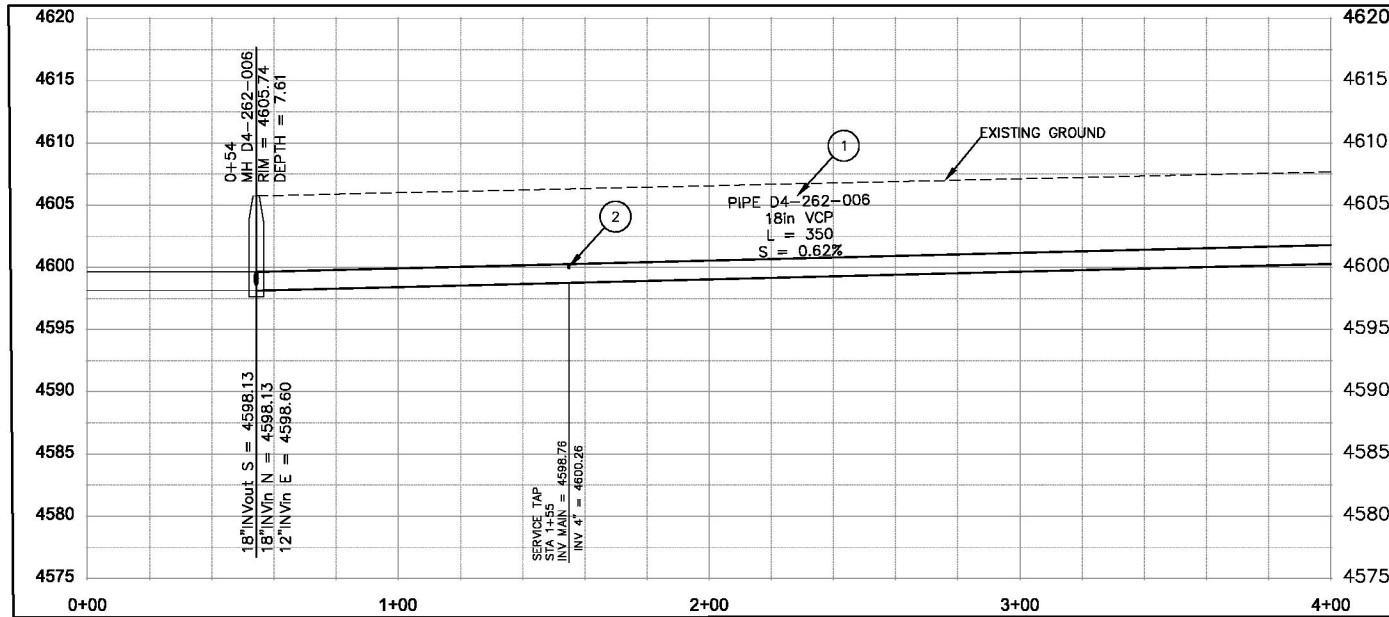
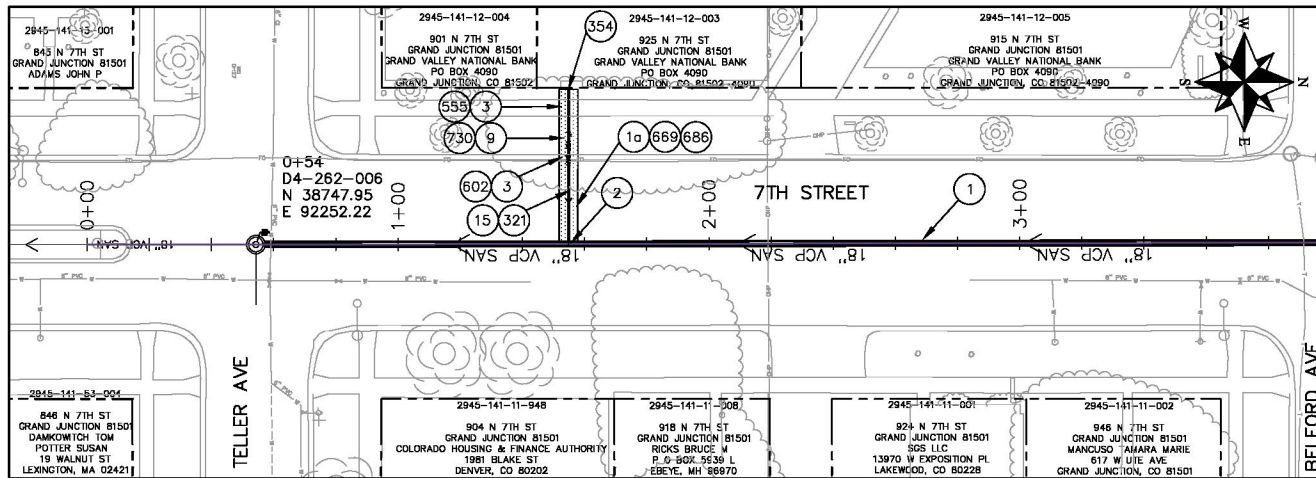
REVISION	DESCRIPTION	DATE	DRAWN BY	HMC/JCS	DATE	2018	SCALES:
REVISION A XXX		201X	DESIGNED BY	HMC/JCS	DATE	2018	PLAN & PROFILE
REVISION B XXX		201X	CHECKED BY	JJV	DATE	2016	1" = 40'
REVISION C XXX		201X	APPROVED BY	ICP	DATE	2016	1" = 80'



PUBLIC WORKS
ENGINEERING DIVISION

2017 SEWER LINE REPLACEMENTS
PHASE A

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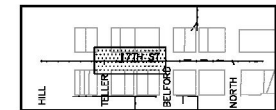
CONSTRUCTION NOTES

SEPARATE CONTRACT

- 1 SP - CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC.
- 2 REMOVE CIPP COUPON AT SERVICE LOCATION (INCIDENTAL TO CIPP)

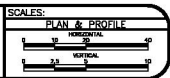
THIS CONTRACT

- 1A 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
- 9 202 - REMOVAL OF SOD.
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 321 102.9/108.2 - 4" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
- 555 608.06 CONCRETE SIDEWALK SECTION (4" THICK)
- 602 608.06 - CONCRETE CURB AND GUTTER (2' WIDE)
- 669 304 - AGGREGATE BASE COURSE (CLASS 6) (16" THICK)
- 686 401.08 - HOT BITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)
- 730 212 - RESOD AREA AS SHOWN



KEYMAP

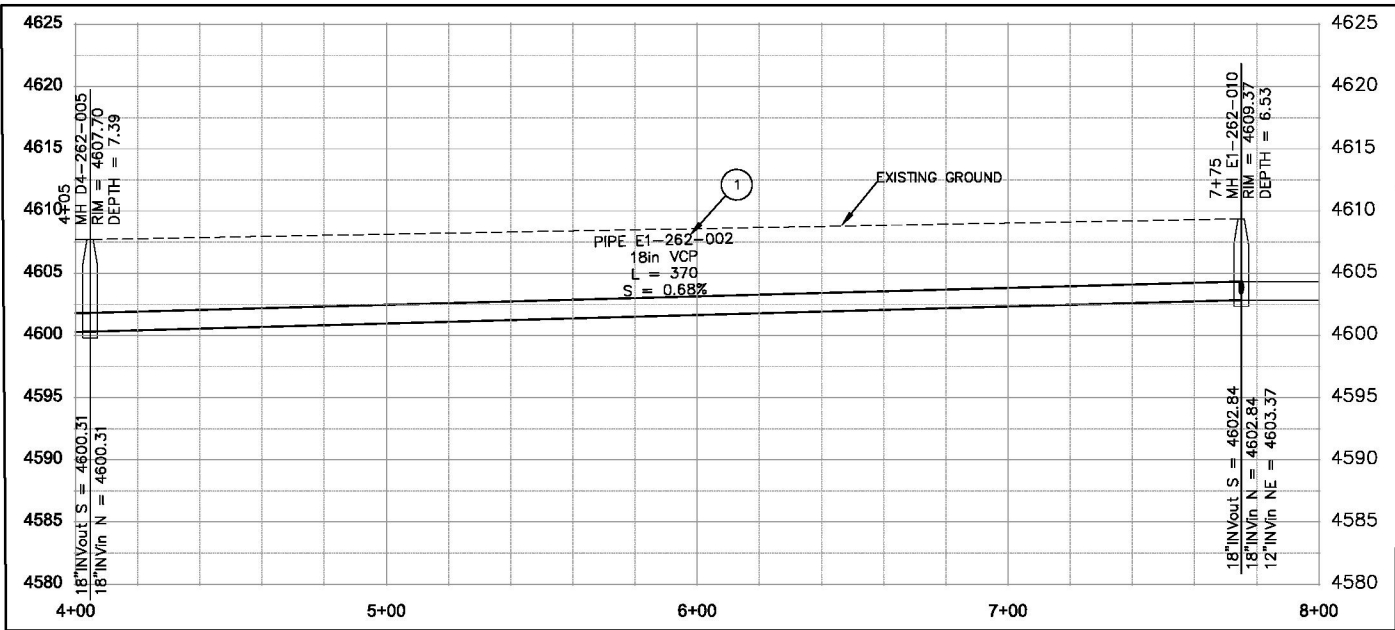
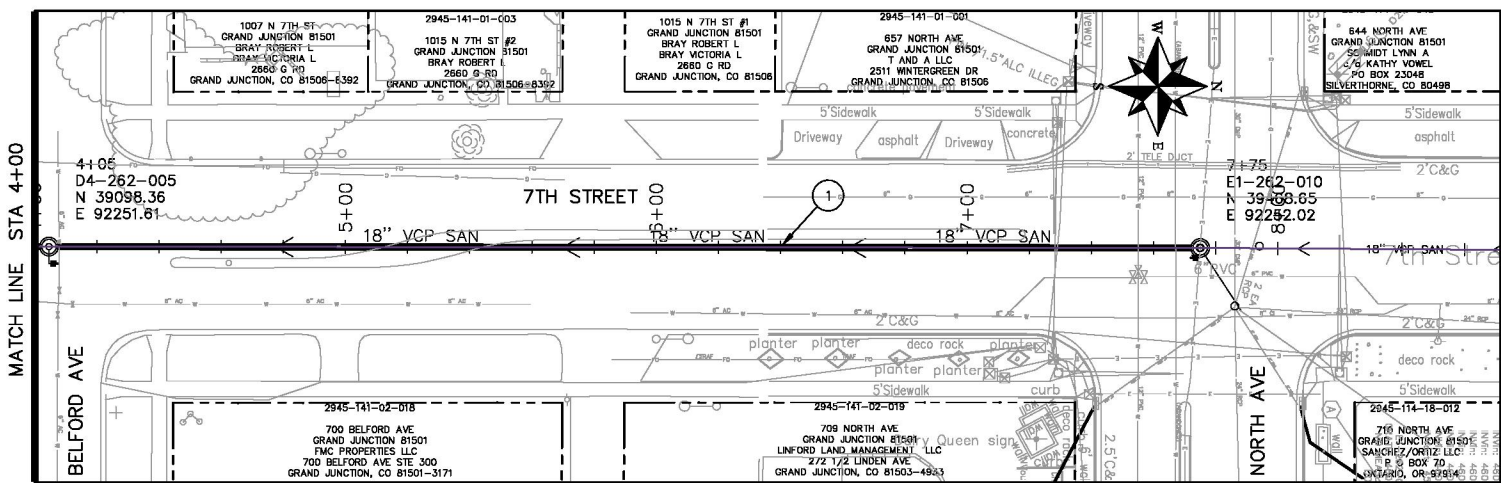
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REVISION A XXX		201X	DESIGNED BY	HMC/JCS	DATE	2018
REVISION B XXX		201X	CHECKED BY	JJV	DATE	2016
REVISION C XXX		201X	APPROVED BY	ICP	DATE	2016



**PUBLIC WORKS
ENGINEERING DIVISION**

**2017 SEWER LINE REPLACEMENTS
PHASE A**

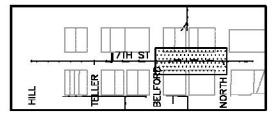
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CONSTRUCTION NOTES

SEPARATE CONTRACT

- 1 SP - CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC.



KEYMAP

REVISION	DESCRIPTION	DATE	DRAWN BY	HMC/JCS	DATE	2018
REVISION A	XXX	201X	DESIGNED BY	HMC/JCS	DATE	2018
REVISION B	XXX	201X	CHECKED BY	JJV	DATE	2016
REVISION C	XXX	201X	APPROVED BY	ICP	DATE	2016

CITY OF Grand Junction

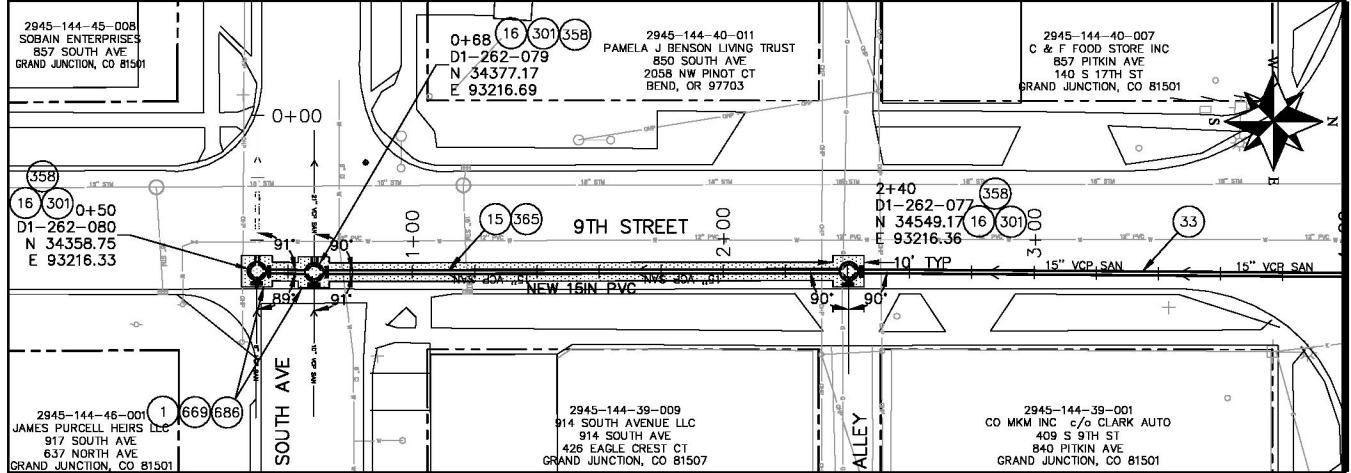
 COLORADO

PUBLIC WORKS

ENGINEERING DIVISION

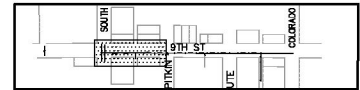
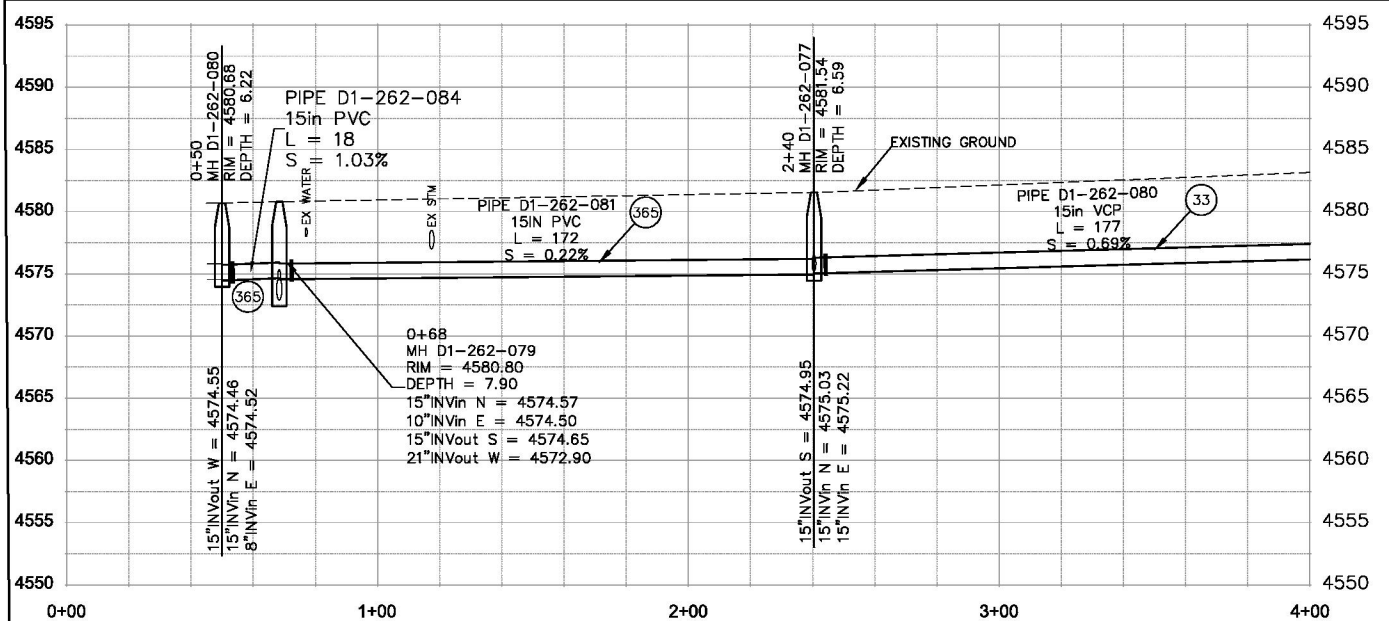
2017 SEWER LINE REPLACEMENTS

PHASE A



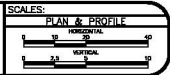
CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 33 SP - CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC.
- 301 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (60" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 365 102.9/108.2 - 15" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 669 304 - AGGREGATE BASE COURSE (CLASS 6) (16" THICK)
- 686 401.08 - HOT BITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)



KEYMAP

REVISION	DESCRIPTION	DATE	DRAWN BY	HMC/JCS	DATE	2018
REVISION A XXX		201X	DESIGNED BY	HMC/JCS	DATE	2018
REVISION B XXX		201X	CHECKED BY	JJV	DATE	2016
REVISION C XXX		201X	APPROVED BY	ICP	DATE	2016

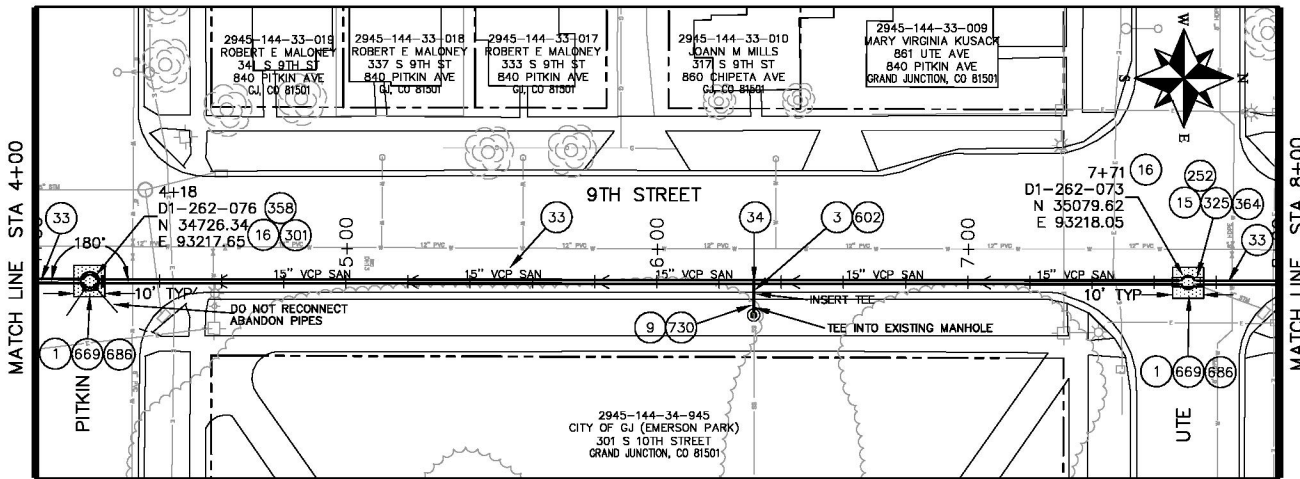


**PUBLIC WORKS
ENGINEERING DIVISION**

**2017 SEWER LINE REPLACEMENTS
PHASE A**

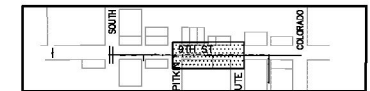
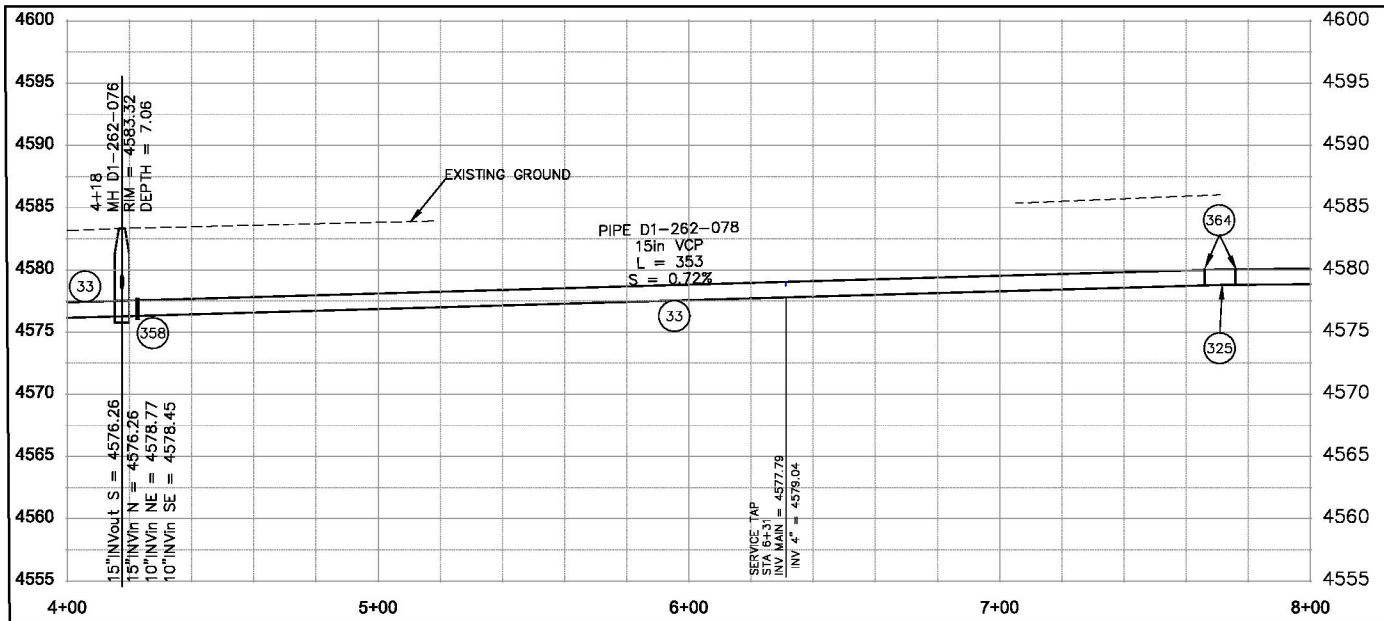
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CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
- 9 202 - REMOVAL OF SOD
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 33 SP - CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC.
- 34 REMOVE CIPP COUPON AT SERVICE LOCATION (INCIDENTAL TO CIPP)
- 252 MANHOLE SHALL BE REMOVED, NEW PIPE INSTALLED, AND CONNECTIONS BACK TO EXISTING PIPE COMPLETED PRIOR TO CIPP OPERATIONS FOR THIS RUN. CIPP "THROUGH" OLD MANHOLE LOCATION.
- 301 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (60" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- 325 102.9/108.2 - 18" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 364 CONNECT TO EXISTING SEWER PIPE. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE
- 602 608.06 - CONCRETE CURB AND GUTTER (2' WIDE)
- 669 304 - AGGREGATE BASE COURSE (CLASS 6) (16" THICK)
- 686 401.08 - HOT BITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)
- 730 212 - RESOD AREA AS SHOWN



KEYMAP

REVISION	DESCRIPTION	DATE	DRAWN BY	HMC/JCS	DATE	2018	DESIGNED BY	HMC/JCS	DATE	2018	CHECKED BY	JJV	DATE	2016	APPROVED BY	ICP	DATE	2016
REVISION A	XXX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REVISION B	XXX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REVISION C	XXX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REVISION D	XXX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CITY OF Grand Junction COLORADO

PLAN & PROFILE

SCALE: 1" = 40'

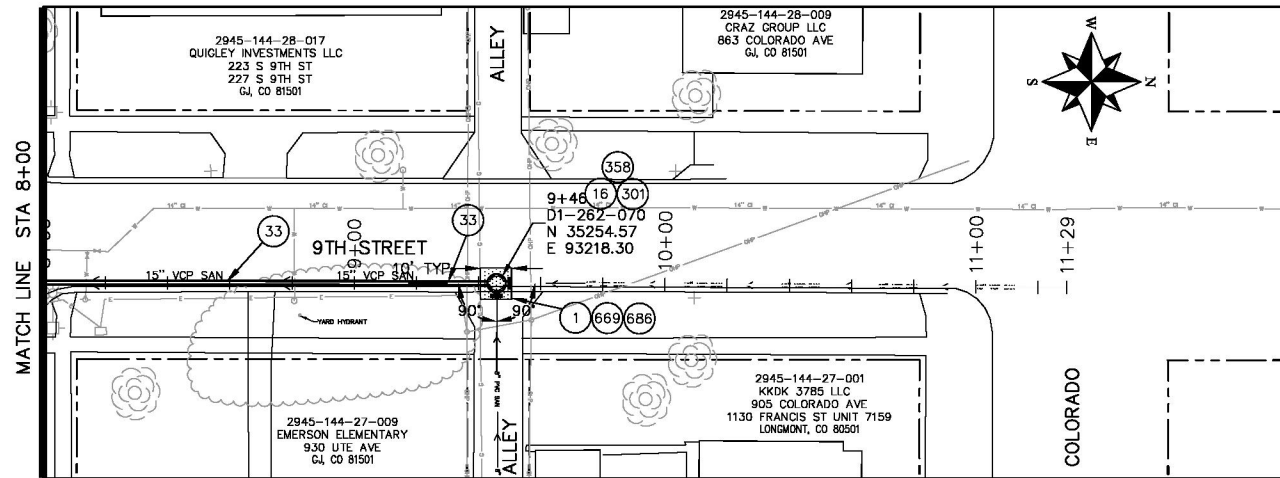
1" = 10'

1" = 20'

PUBLIC WORKS ENGINEERING DIVISION

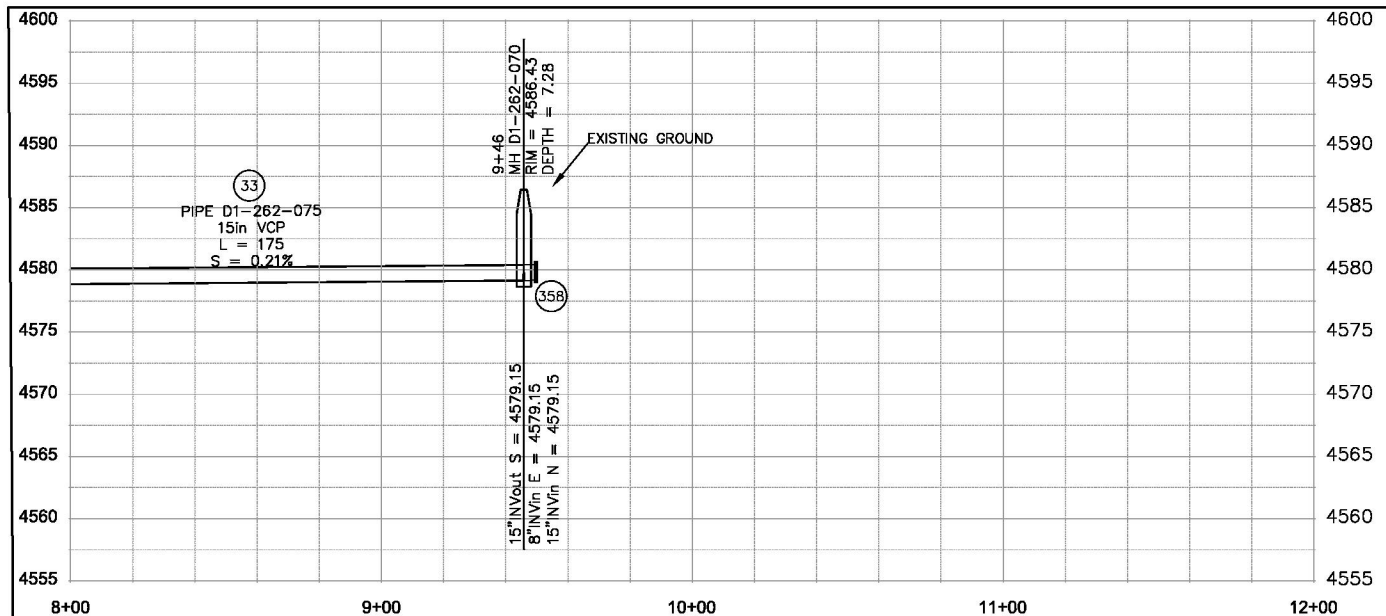
2017 SEWER LINE REPLACEMENTS PHASE A

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CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 33 SP - CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC.
- 301 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (60" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 669 304 - AGGREGATE BASE COURSE (CLASS 6) (16" THICK)
- 686 401.08 - HOT BITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)



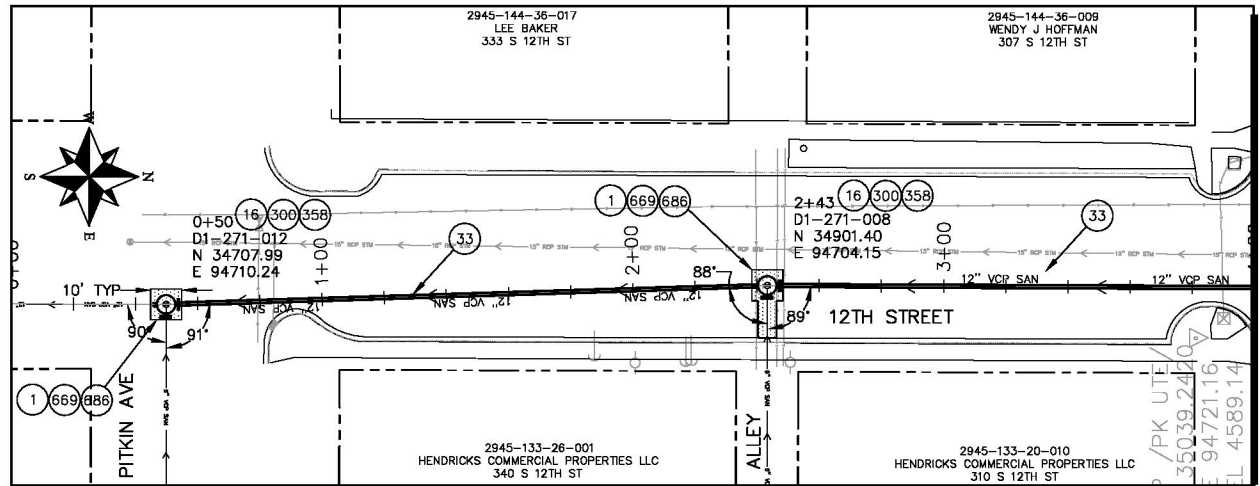
KEYMAP

REVISION	DESCRIPTION	DATE	DRAWN BY	HMC/JCS	DATE	2018	SCALES:
REVISION A XXX		201X	DESIGNED BY	HMC/JCS	DATE	2018	PLAN & PROFILE
REVISION A XXX		201X	CHECKED BY	JJV	DATE	2016	1" = 40'
REVISION A XXX		201X	APPROVED BY	ICP	DATE	2016	3" = 120'



**PUBLIC WORKS
ENGINEERING DIVISION**

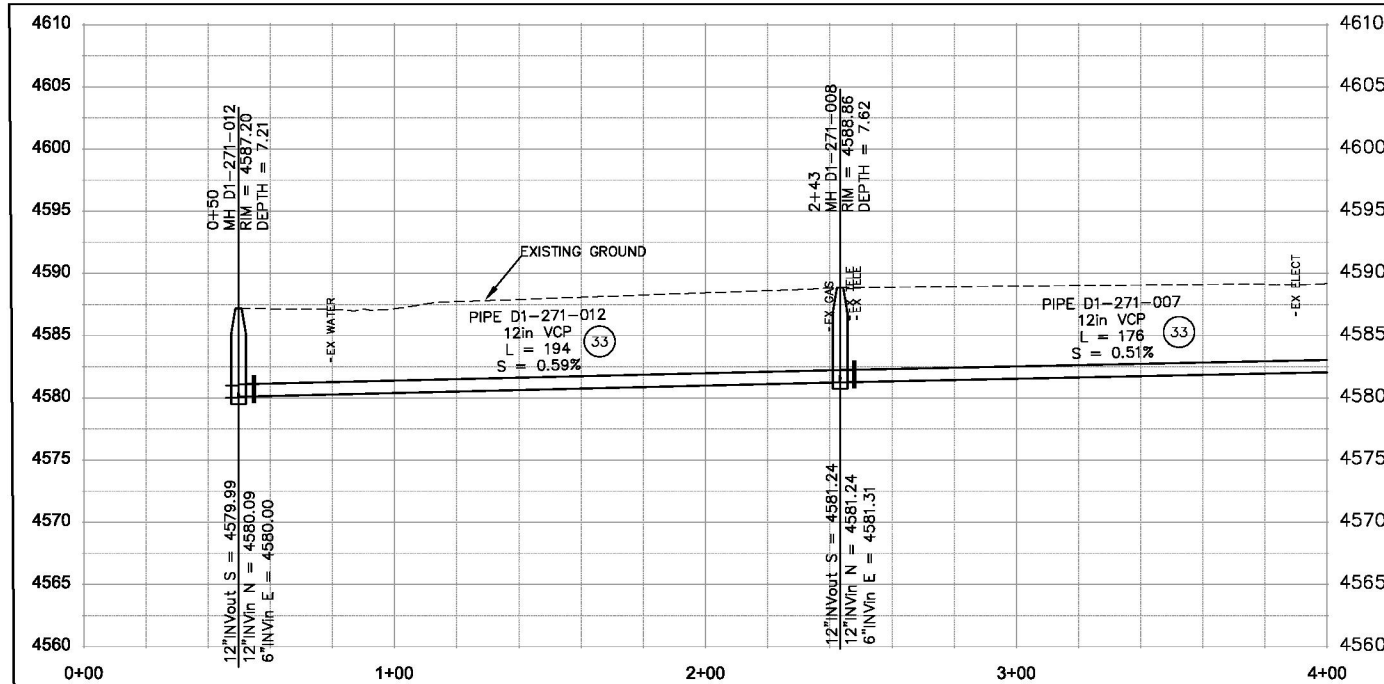
**2017 SEWER LINE REPLACEMENTS
PHASE A**



CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 33 SP - CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC. (SEPARATE CONTRACT)
- 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (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).
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 669 304 - AGGREGATE BASE COURSE (CLASS 6) (16" THICK)
- 686 401.08 - HOT BITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)

MATCH LINE STA 4+00



KEYMAP

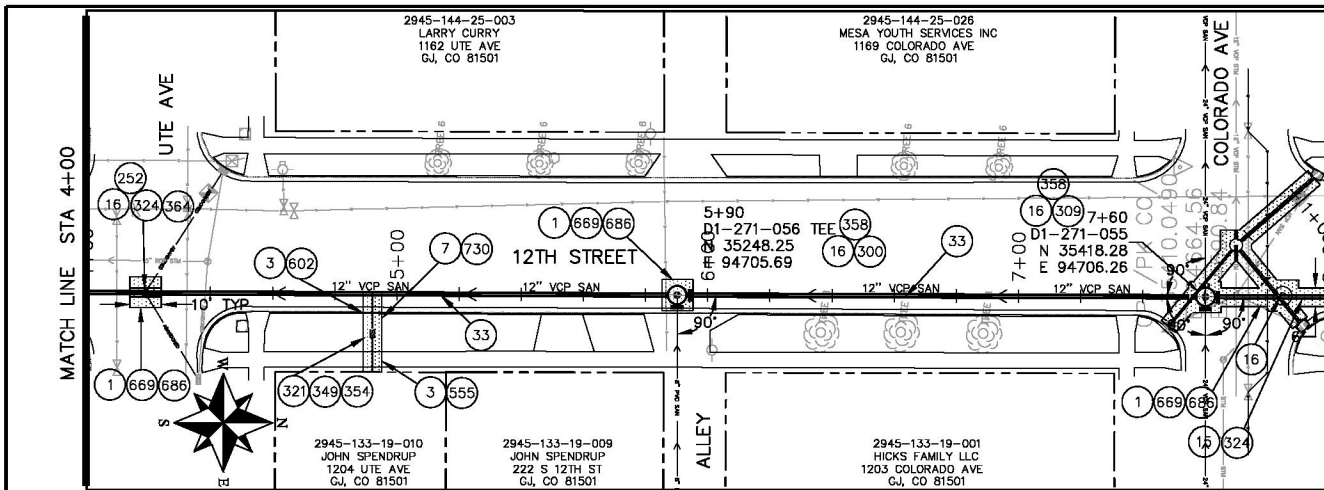
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
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REVISION B XXX		201X	HMC/JCS	2016	HORIZONTAL
REVISION C XXX		201X	JJV	2016	VERTICAL
REVISION D XXX		201X	JJV	2016	
REVISION E XXX		201X	ICP	2016	

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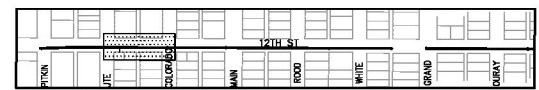
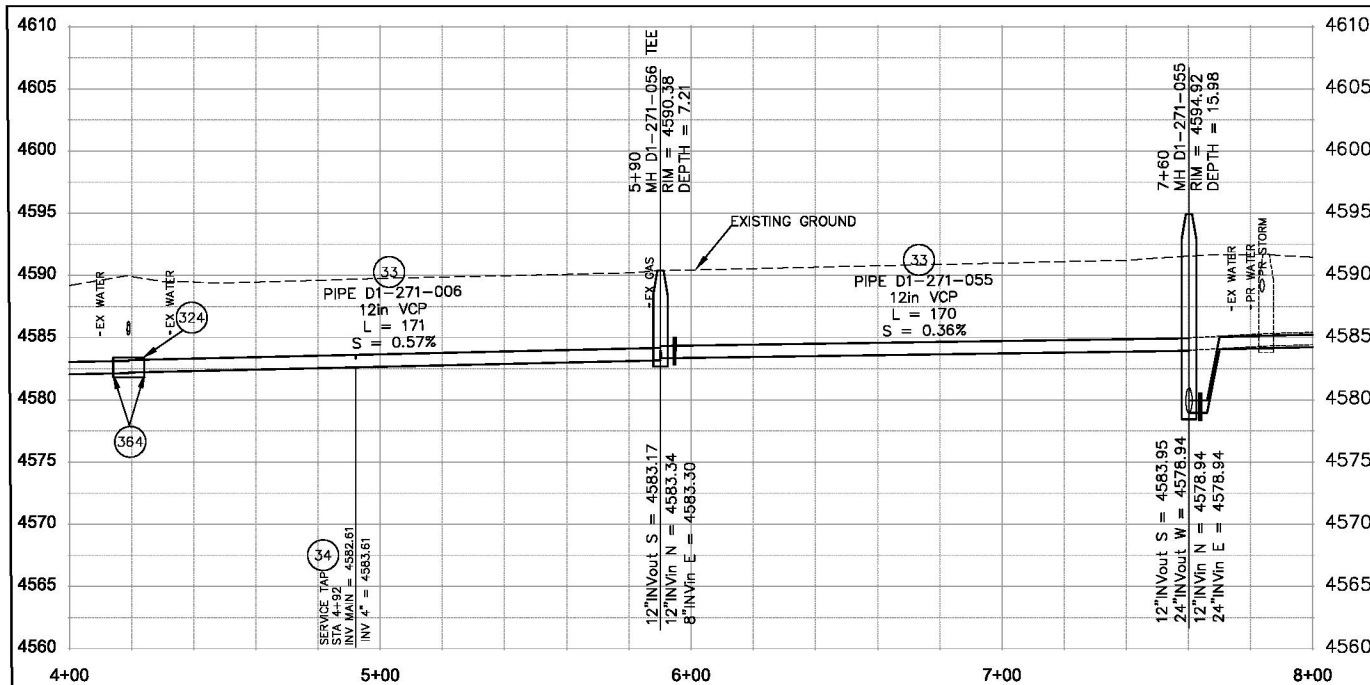
PUBLIC WORKS
ENGINEERING DIVISION

2017 SEWER LINE REPLACEMENTS
PHASE A

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- CONSTRUCTION NOTES
- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
 - 7 202 - REMOVAL OF SHRUB
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS. SP - CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC. SEPARATE CONTRACT.
 - 252 MANHOLE SHALL BE REMOVED, NEW PIPE INSTALLED, AND CONNECTIONS BACK TO EXISTING PIPE COMPLETED PRIOR TO CIPP OPERATIONS FOR THIS RUN. CIPP "THROUGH" OLD MANHOLE LOCATION.
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (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).
 - 309 102.11/108.5 - DROP MANHOLE BARREL SECTION (D>5") (60" I.D.)
 - 321 102.9/108.2 - 4" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 324 102.9/108.2 - 12" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 349 102.9/108.3 - 12" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 364 CONNECT TO EXISTING SEWER PIPE. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE
 - 555 608.06 - CONCRETE SIDEWALK (4" THICK)
 - 602 608.06 - CONCRETE CURB AND GUTTER (2' WIDE)
 - 669 304 - AGGREGATE BASECOURSE (CLASS 6) (16" THICK)
 - 686 401.08 - HOTBITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)
 - 730 212 - RESOD AREA AS SHOWN



REVISION	DESCRIPTION	DATE	DRAWN BY	HMC/JCS	DATE	2016
REVISION A XXX		201X	DESIGNED BY	HMC/JCS	DATE	2016
REVISION B XXX		201X	CHECKED BY	JJV	DATE	2016
REVISION C XXX		201X	APPROVED BY	ICP	DATE	2016

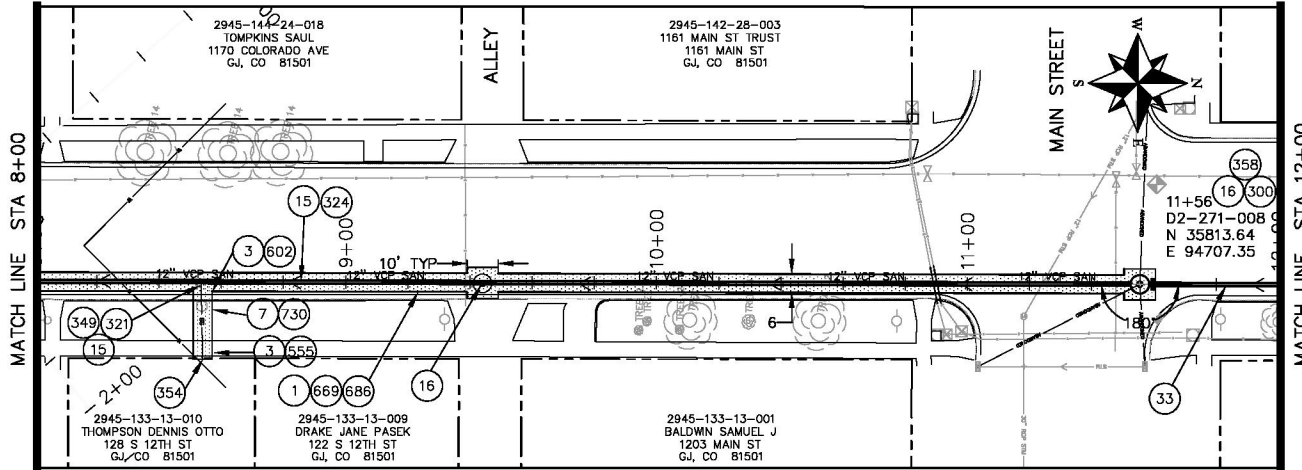
SCALES: PLAN & PROFILE

CITY OF Grand Junction COLORADO

PUBLIC WORKS ENGINEERING DIVISION

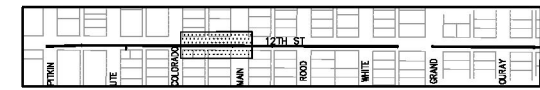
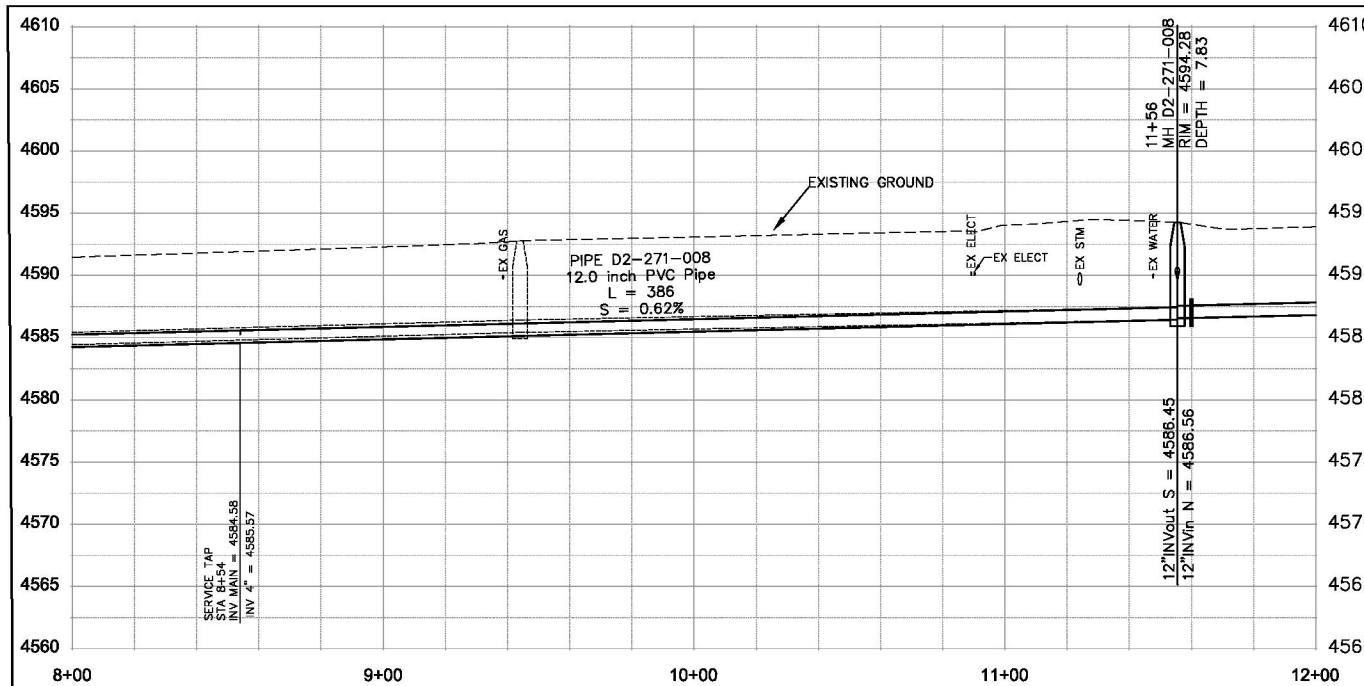
2017 SEWER LINE REPLACEMENTS PHASE A

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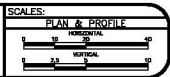
CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
- 7 202 - REMOVAL OF SHRUB
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (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).
- 321 102.9/108.2 - 4" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 324 102.9/108.2 - 12" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 349 102.9/108.3 - 12" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
- 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
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- 669 304 - AGGREGATE BASE COURSE (CLASS 6) (16" THICK)
- 686 401.08 - HOT BITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)
- 730 212 - RESOD AREA AS SHOWN



KEYMAP

REVISION	DESCRIPTION	DATE	DRAWN BY	HMC/JCS	DATE	2018
REVISION A	XXX	201X	DESIGNED BY	HMC/JCS	DATE	2018
REVISION B	XXX	201X	CHECKED BY	JJV	DATE	2016
REVISION C	XXX	201X	APPROVED BY	ICP	DATE	2016



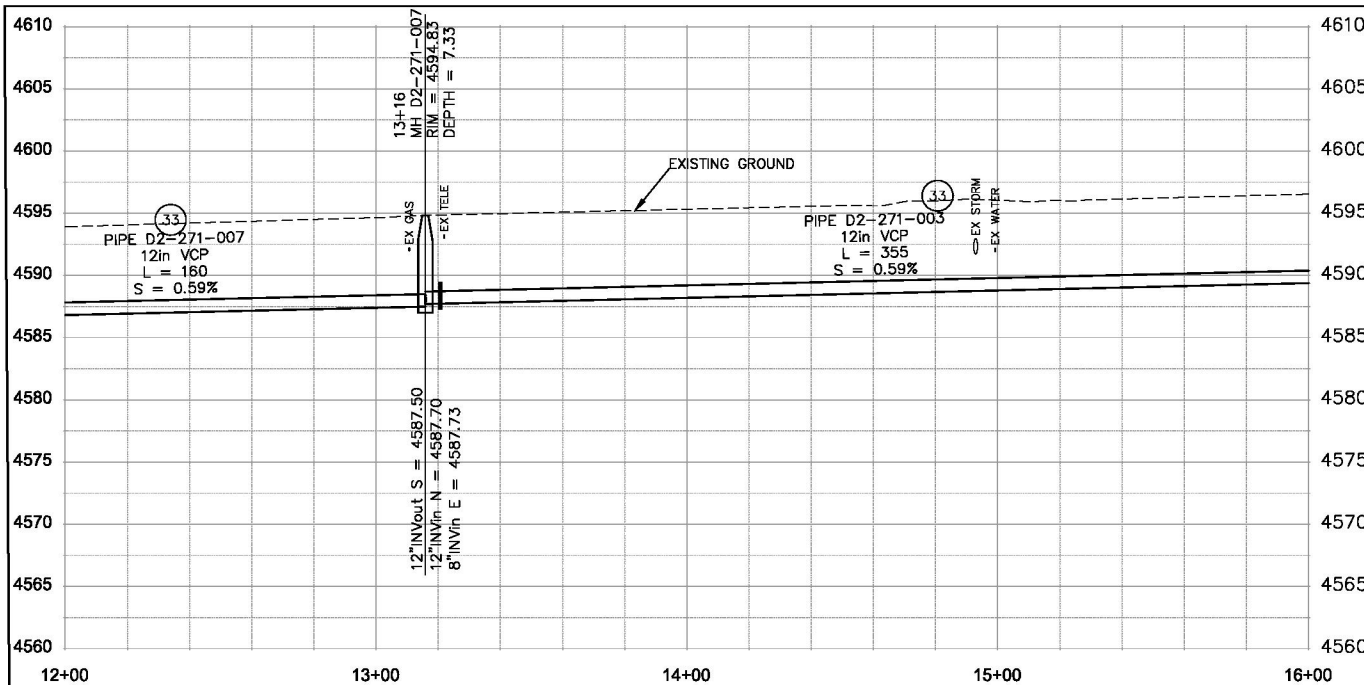
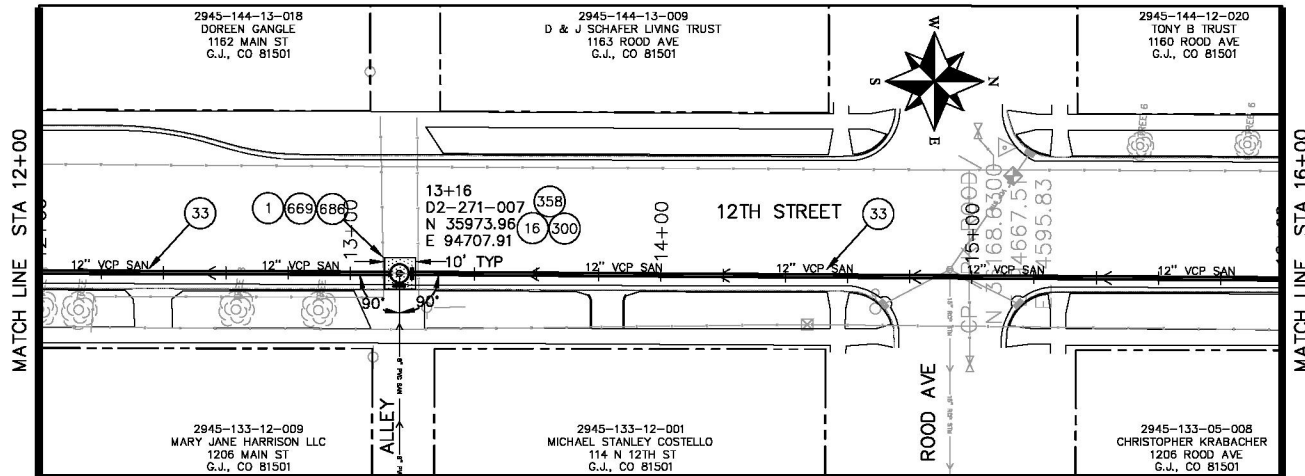
**PUBLIC WORKS
ENGINEERING DIVISION**

**2017 SEWER LINE REPLACEMENTS
PHASE A**

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CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 33 SP - CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC. SEPARATE CONTRACT.
- 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (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).
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 669 304 - AGGREGATE BASE COURSE (CLASS 6) (16" THICK)
- 686 401.08 - HOT BITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)



KEYMAP

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	DESIGNED BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE
REVISION A XXX		201X	HMC/JCS	2018	HMC/JCS	2018	JJV	2016	ICP	2016
REVISION B XXX		201X								
REVISION C XXX		201X								
REVISION D XXX		201X								

CITY OF Grand Junction COLORADO

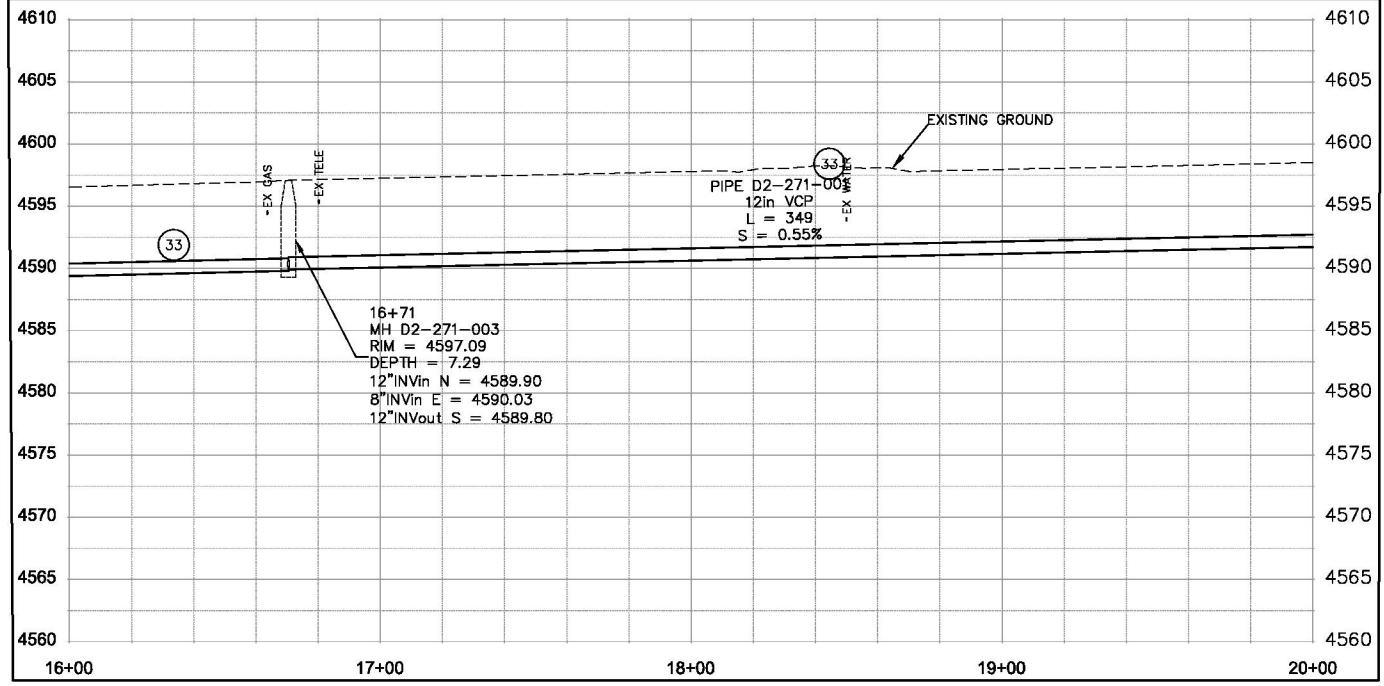
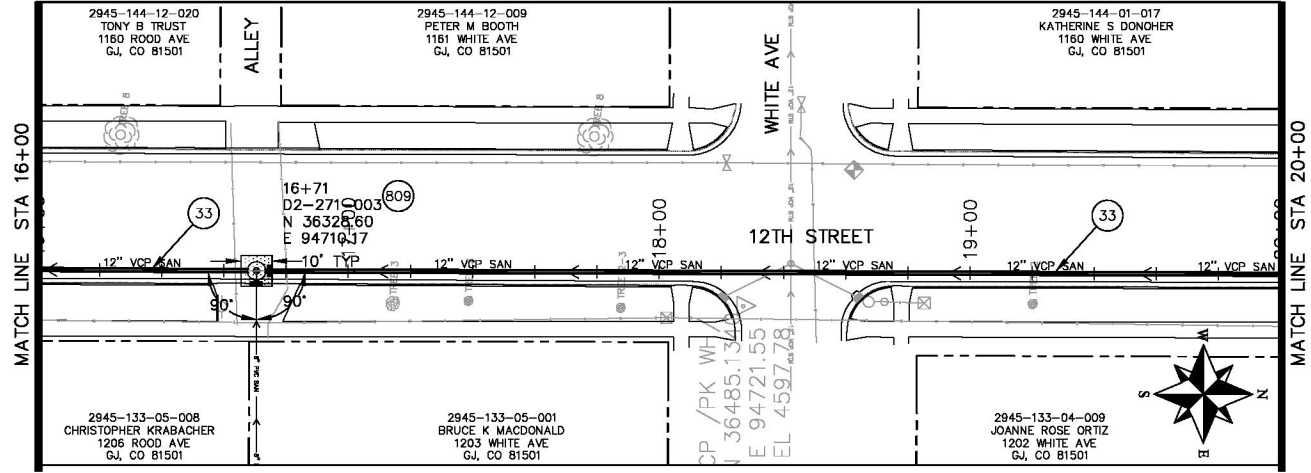
SCALES: PLAN & PROFILE
 HORIZONTAL 1" = 40'
 VERTICAL 1" = 4'

PUBLIC WORKS ENGINEERING DIVISION

2017 SEWER LINE REPLACEMENTS PHASE A

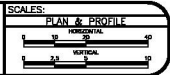
CONSTRUCTION NOTES

- 33 SP - CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC. SEPARATE CONTRACT.
- 809 PROTECT MANHOLE



KEYMAP

REVISION	DESCRIPTION	DATE	DRAWN BY	HMC/JCS	DATE	2018
REVISION A XXX		201X	DESIGNED BY	HMC/JCS	DATE	2018
REVISION A XXX		201X	CHECKED BY	JJV	DATE	2016
REVISION A XXX		201X	APPROVED BY	ICP	DATE	2016

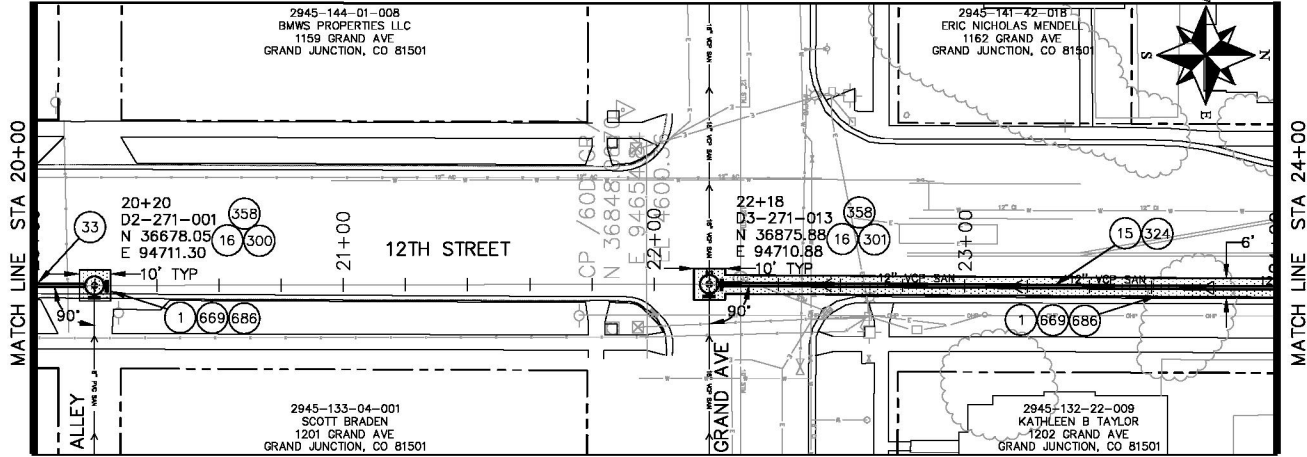


**PUBLIC WORKS
ENGINEERING DIVISION**

**2017 SEWER LINE REPLACEMENTS
PHASE A**

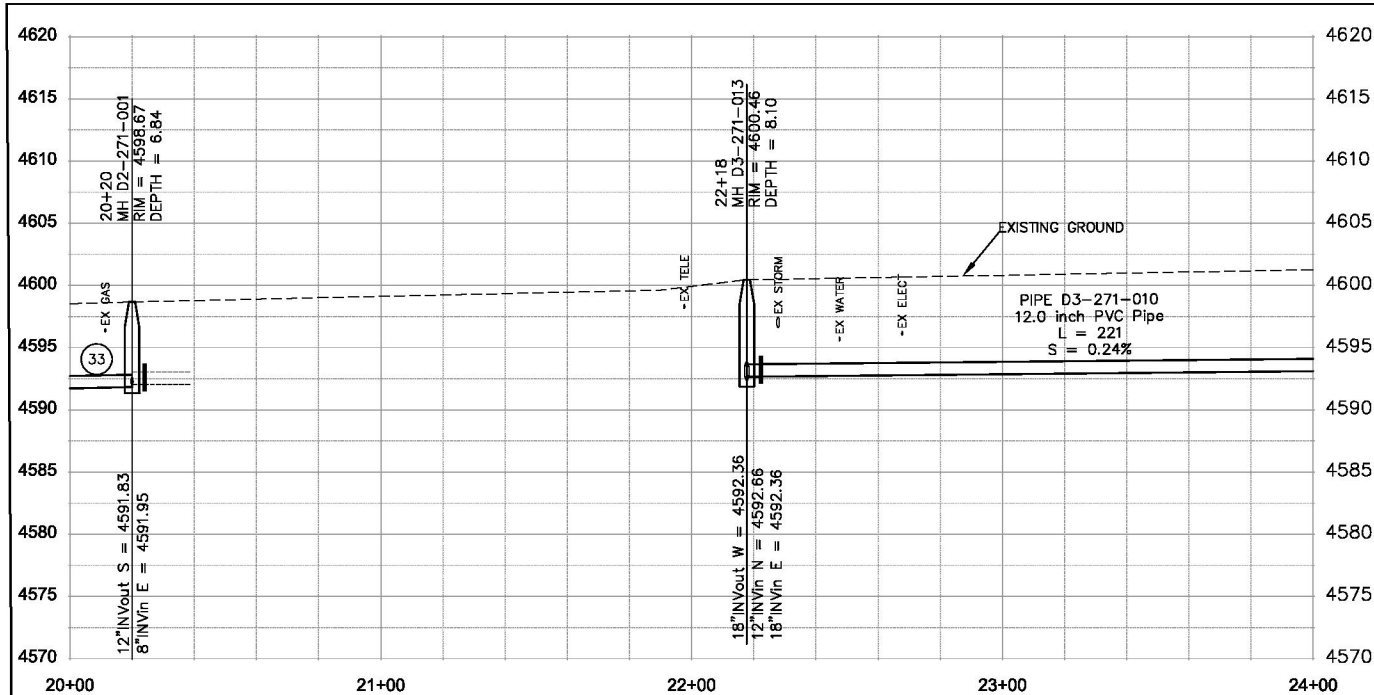
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CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 33 SP - CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC.
- 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (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).
- 301 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (60" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- 324 102.9/108.2 - 12" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 669 304 - AGGREGATE BASE COURSE (CLASS 6) (16" THICK)
- 686 401.08 - HOT BITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)



REVISION	DESCRIPTION	DATE	DRAWN BY	HMC/JCS	DATE	2018
REVISION A	XXX	201X	DESIGNED BY	HMC/JCS	DATE	2018
REVISION B	XXX	201X	CHECKED BY	JJV	DATE	2016
REVISION C	XXX	201X	APPROVED BY	ICP	DATE	2016

CITY OF Grand Junction COLORADO

PLAN & PROFILE

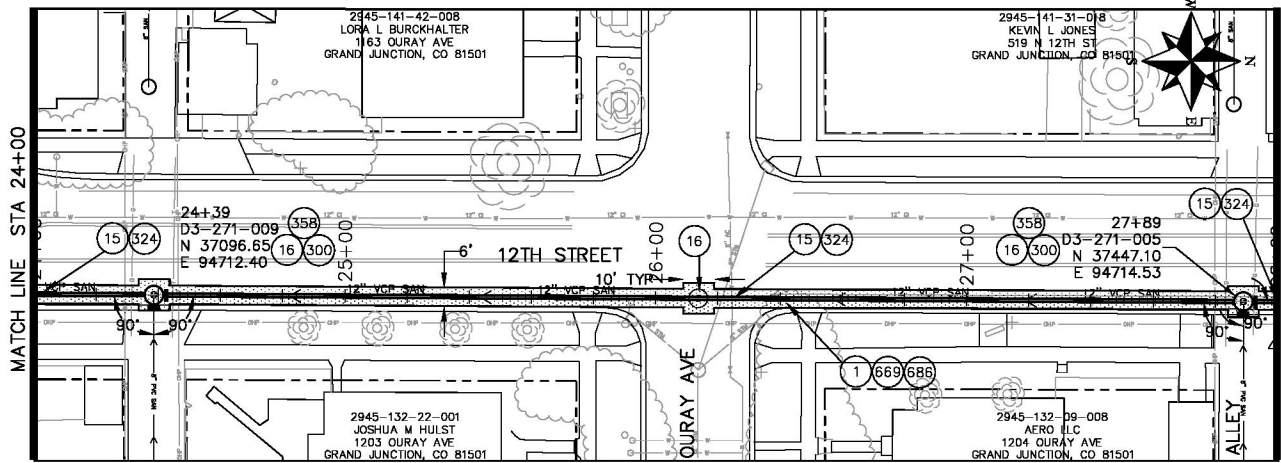
HORIZONTAL 1" = 40'

VERTICAL 1" = 4'

PUBLIC WORKS ENGINEERING DIVISION

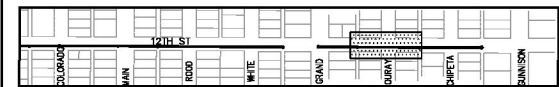
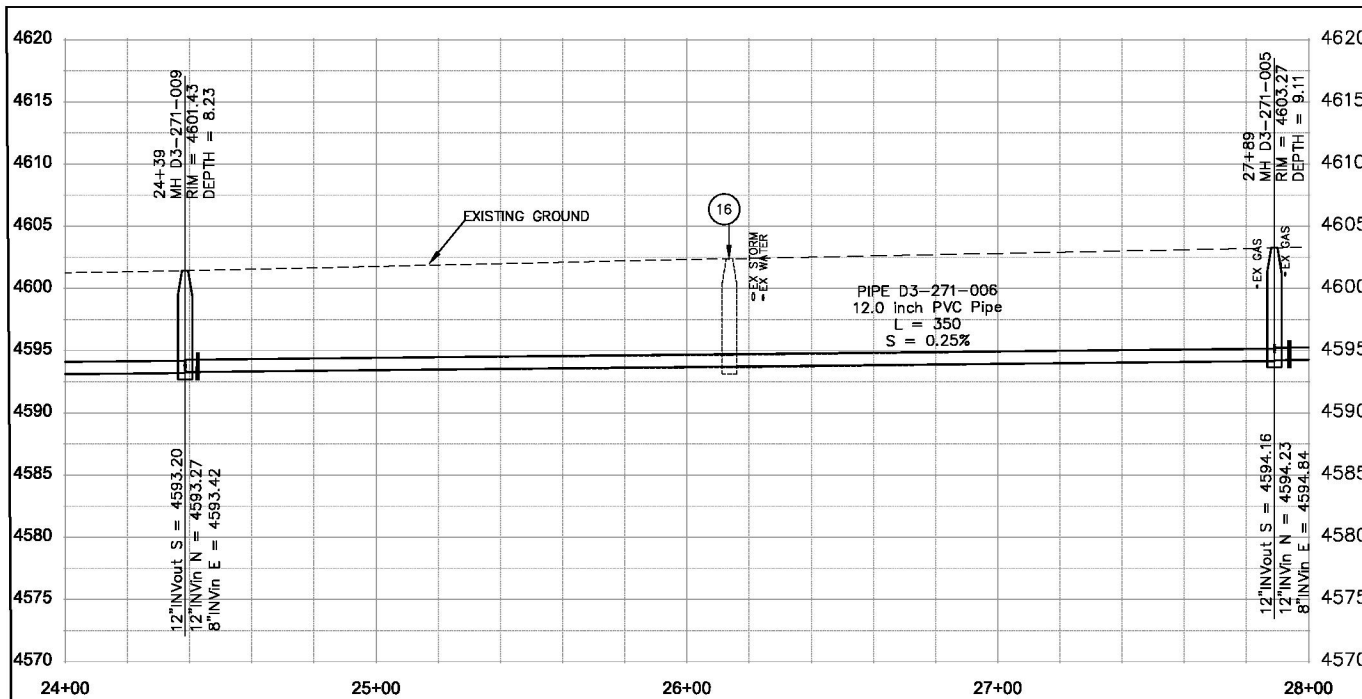
2017 SEWER LINE REPLACEMENTS PHASE A

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CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (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).
- 324 102.9/108.2 - 12" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 669 304 - AGGREGATE BASE COURSE (CLASS 6) (16" THICK)
- 686 401.08 - HOT BITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)



KEYMAP

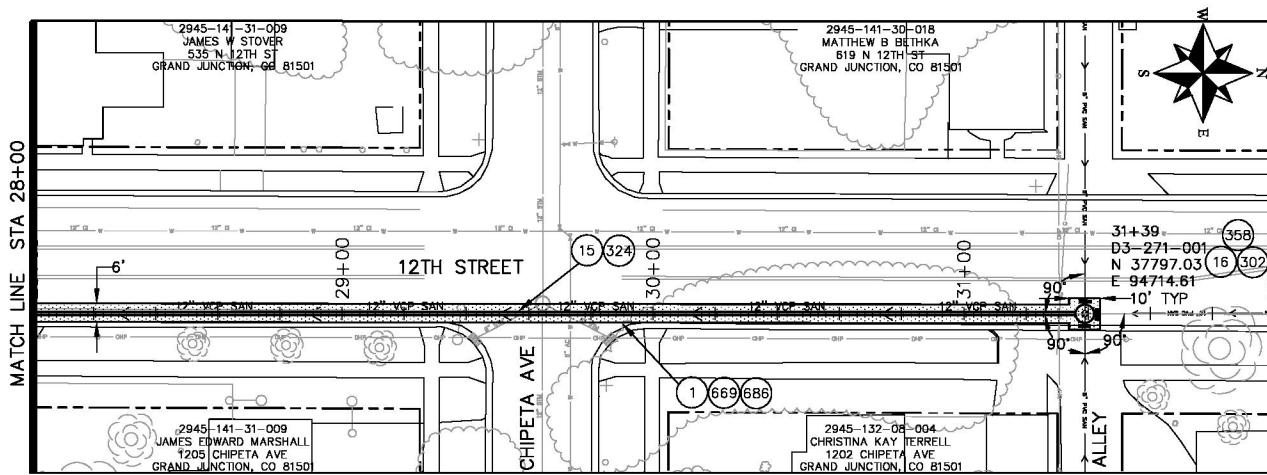
REVISION	DESCRIPTION	DATE	DRAWN BY	HMC/JCS	DATE	2018	SCALES:
REVISION A XXX		201X	DESIGNED BY	HMC/JCS	DATE	2018	PLAN & PROFILE
REVISION B XXX		201X	CHECKED BY	JJV	DATE	2016	HORIZONTAL
REVISION C XXX		201X	APPROVED BY	ICP	DATE	2016	VERTICAL



**PUBLIC WORKS
ENGINEERING DIVISION**

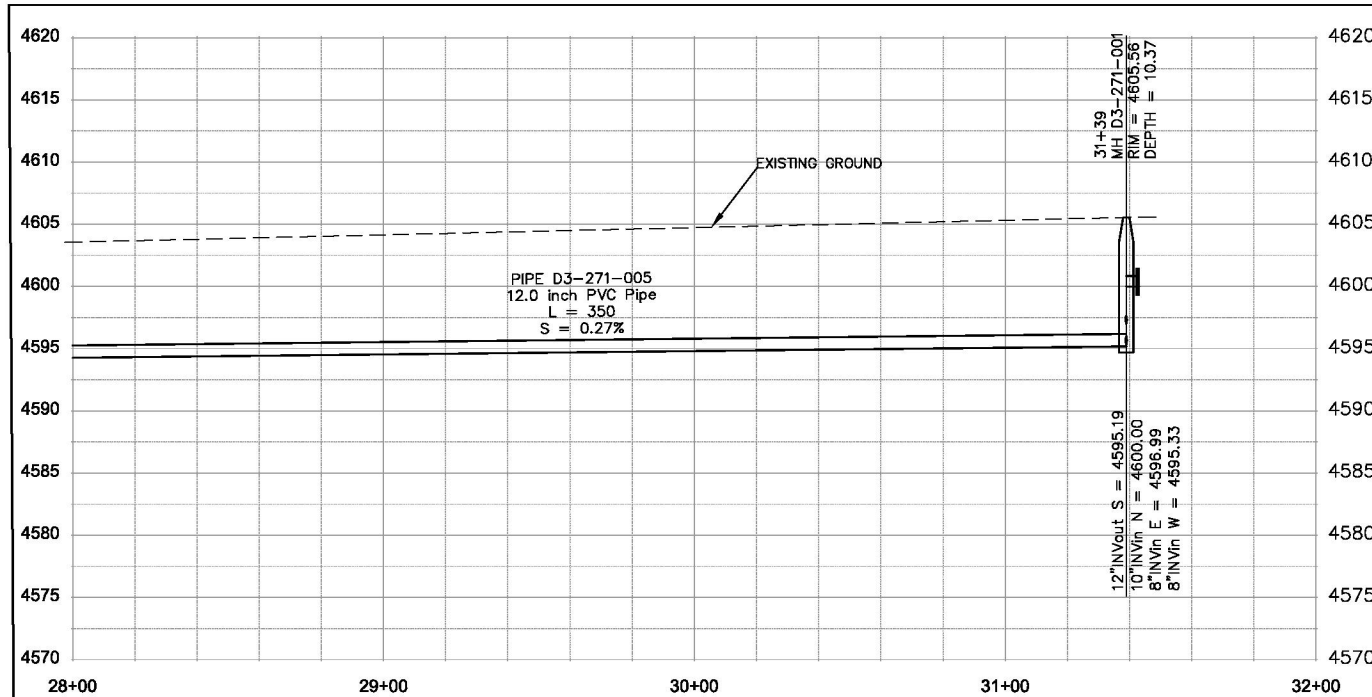
**2017 SEWER LINE REPLACEMENTS
PHASE A**

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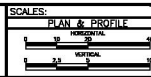
CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 302 102.11/108.5 - SANITARY SEWER BASIC DROP MANHOLE (48" I.D.). INCLUDES MANHOLE COATING AS PER 102.11. (SEE STD. DETAIL SS-04).
- 324 102.9/108.2 - 12" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 669 304 - AGGREGATE BASE COURSE (CLASS 6) (16" THICK)
- 686 401.08 - HOT BITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)



KEYMAP

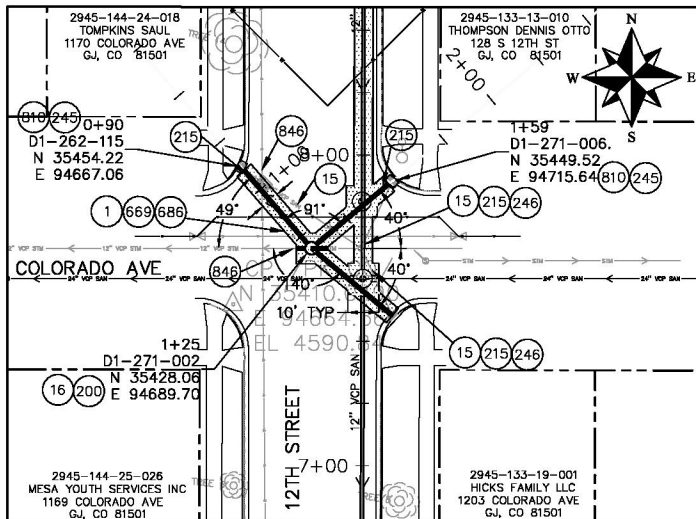
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REVISION A	XXX	201X	DESIGNED BY	HMC/JCS	DATE	2016
REVISION B	XXX	201X	CHECKED BY	JJV	DATE	2016
REVISION C	XXX	201X	APPROVED BY	ICP	DATE	2016



CITY OF
Grand Junction
COLORADO

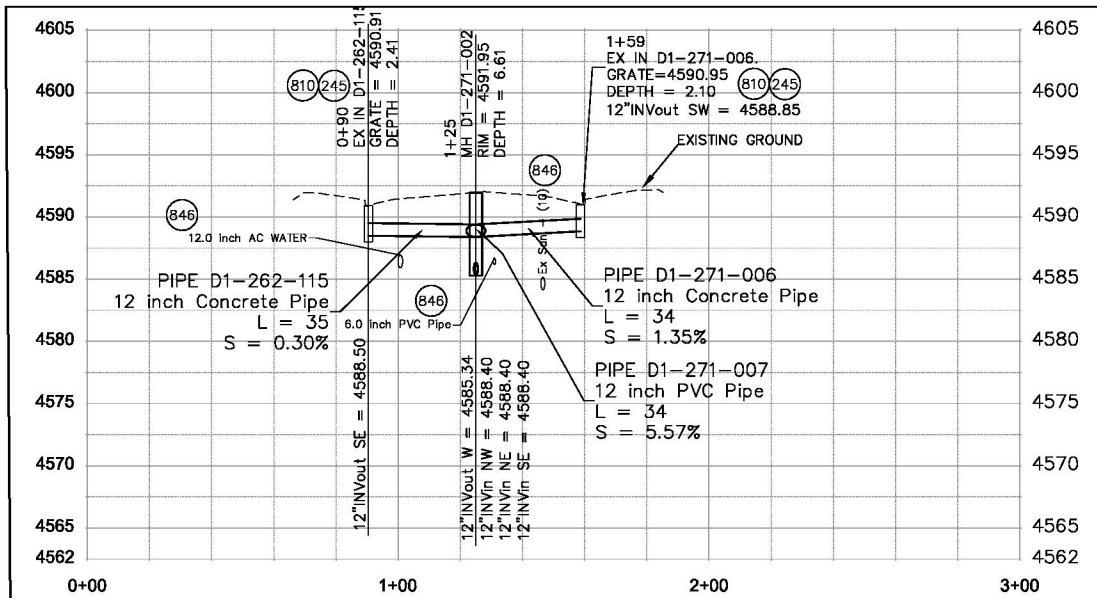
PUBLIC WORKS
ENGINEERING DIVISION

2017 SEWER LINE REPLACEMENTS
PHASE A



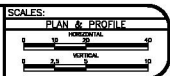
CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 200 102.11/108.5 - STORM SEWER BASIC MANHOLE (48" I.D.) INCLUDES CONNECTION OF ADJACENT STORM SEWER LINES, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL D-03).
- 215 102.10/108.2 - 12" STORM DRAIN PIPE (RCP). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 245 102.13/108.6 - CONNECT TO EXISTING STORM DRAIN INLET (12" PIPE). (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-08).
- 246 CONNECT TO EXISTING STORM DRAIN PIPE. THE CONTRACT PRICE FOR STORM DRAIN PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE
- 669 304 - AGGREGATE BASE COURSE (CLASS 6) (16" THICK)
- 686 401.08 - HOT BITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)
- 810 PROTECT STORM DRAIN INLET.
- 846 POT HOLE EXISTING UTILITY AHEAD OF CONSTRUCTION. TRANSITION WATER PIPE AS NEEDED TO MAINTAIN 18" CLEARANCE MINIMUM ABOVE SEWER PIPES AND 6" CLEARANCE MINIMUM ABOVE OR BELOW OTHER UTILITY LINES.



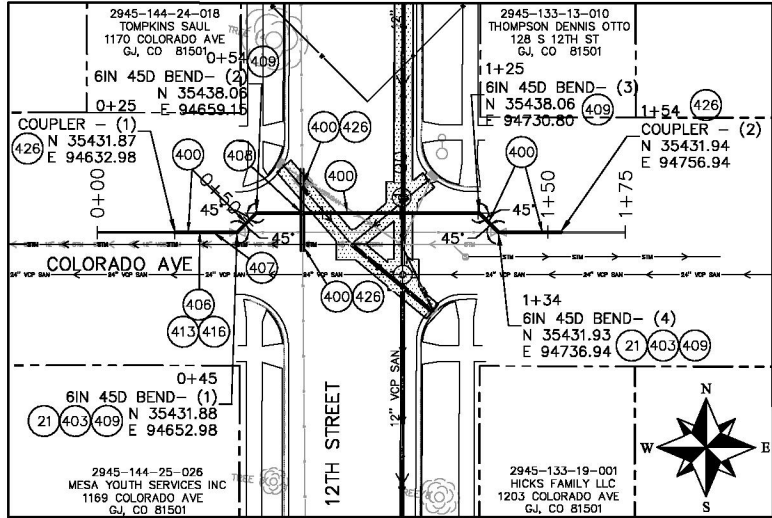
KEYMAP

REVISION	DESCRIPTION	DATE	DRAWN BY	HMC/JCS	DATE	2018
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REVISION A XXX		201X	APPROVED BY	ICP	DATE	2016



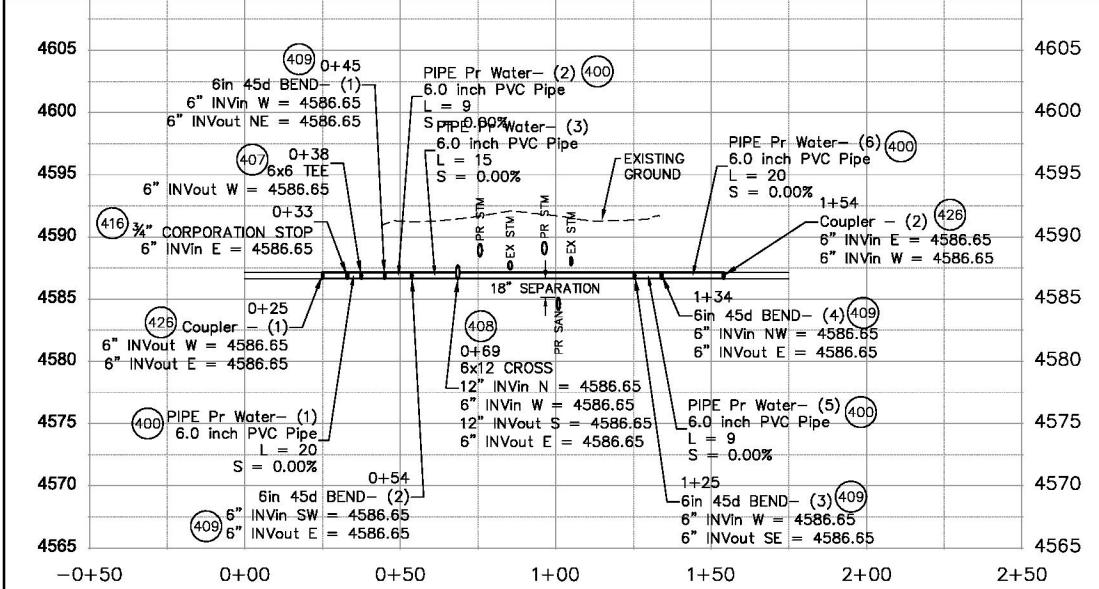
**PUBLIC WORKS
ENGINEERING DIVISION**

**2017 SEWER LINE REPLACEMENTS
PHASE A**



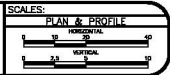
CONSTRUCTION NOTES

- 21 202 - REMOVE EXISTING WATER VALVE.
- 400 102.7/108.2 - WATER MAIN PIPE (C-900 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 403 102.8b/108.3 - GATE VALVE. (SIZE AS SHOWN)
- 406 102.8d/108.3 - TAPPING SLEEVE and VALVE (SIZE AS SHOWN).
- 407 102.8/108.3 - TEE (SIZE AS SHOWN).
- 408 102.8/108.3 - CROSS (SIZE AS SHOWN)
- 409 102.8/108.3 - ELBOW (SIZE AND ANGLE AS SHOWN)
- 413 102.7c/108.4 - WATER SERVICE LINE (TYPE K COPPER) (SIZE AS SHOWN ON PLAN)
- 416 102.8j/108.4 - CORPORATION STOP (SIZE AS SHOWN ON PLAN)
- 426 CONNECT TO EXISTING WATER PIPE/VALVE/FITTING. THE CONTRACT UNIT PRICE FOR WATER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE (HIMAX COUPLER)



KEYMAP

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION A XXX		201X	HMC/JCS	2018
REVISION A XXX		201X	HMC/JCS	2018
REVISION A XXX		201X	JJV	2016
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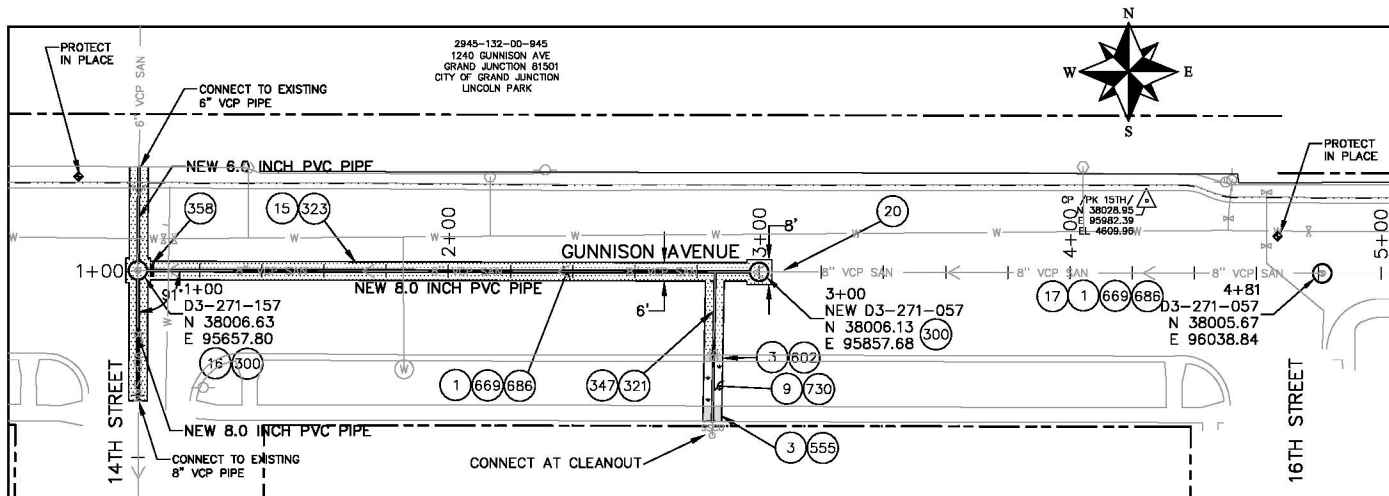


**PUBLIC WORKS
ENGINEERING DIVISION**

**2017 SEWER LINE REPLACEMENTS
PHASE A**

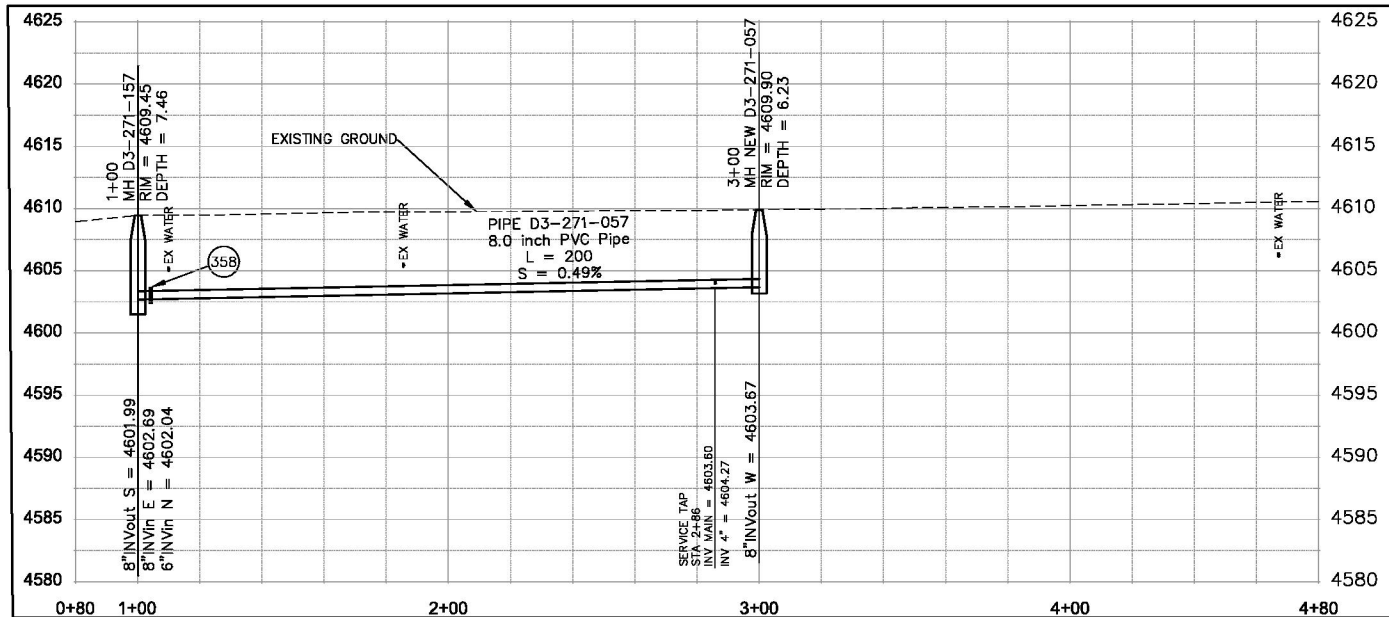
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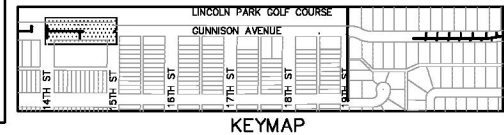


CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
- 9 202 - REMOVAL OF SOD.
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 17 202 - REMOVE MANHOLE CONE SECTION, RING, AND COVER. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS. CONTRACTOR SHALL FILL REMAINING BARREL SECTIONS WITH FLOW FILL MATERIAL.
- 20 202 - ABANDON PIPE. ABANDON BY PLUGGING REMAINING ENDS WITH CONCRETE.
- 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (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).
- 321 102.9/108.2 - 4" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 347 102.9/108.3 - 8" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 602 608.06 - CONCRETE CURB AND GUTTER (2' WIDE)
- 669 304 - AGGREGATE BASE COURSE (CLASS 6) (16" THICK)
- 686 401.08 - HOT BITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)
- 730 212 - RESOD AREA AS SHOWN



SEE PAVING PLANS FOR PAVING DATA



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	DESIGNED BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE
REVISION A XXX		201X	HMC/JCS	2018	HMC/JCS	2018	JJV	2016	ICP	2016
REVISION A XXX		201X								
REVISION A XXX		201X								
REVISION A XXX		201X								

CITY OF Grand Junction COLORADO

PLAN & PROFILE

SCALE: 1" = 40'

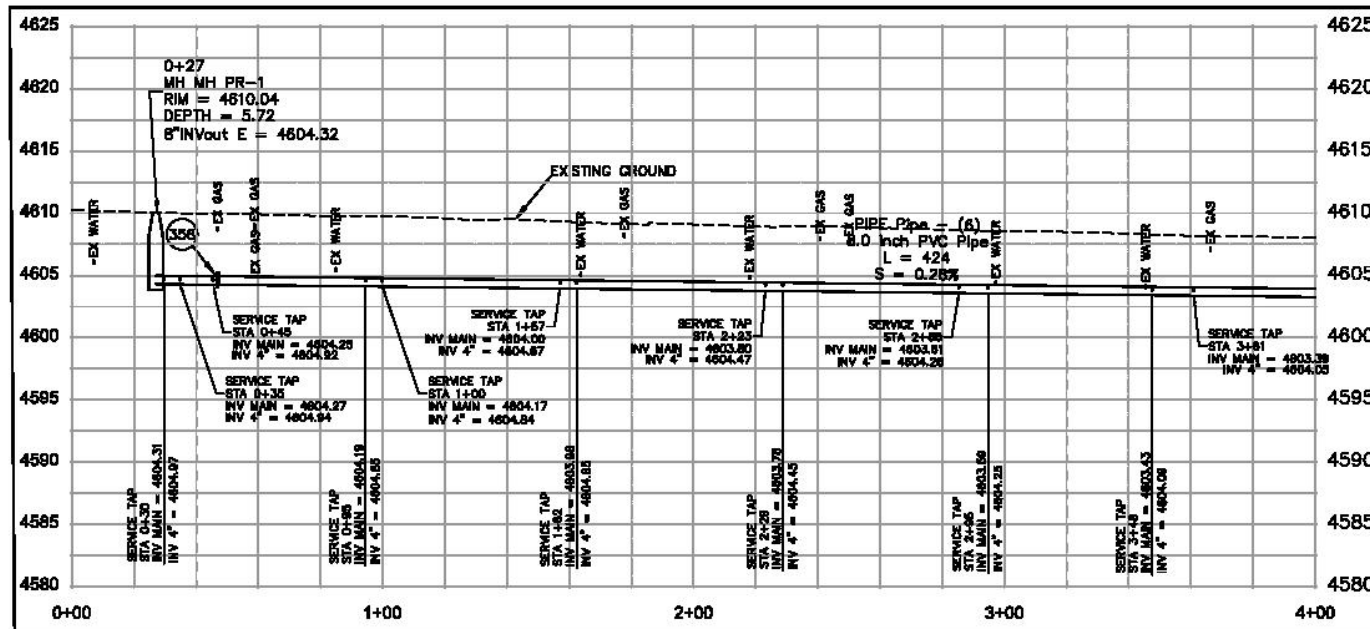
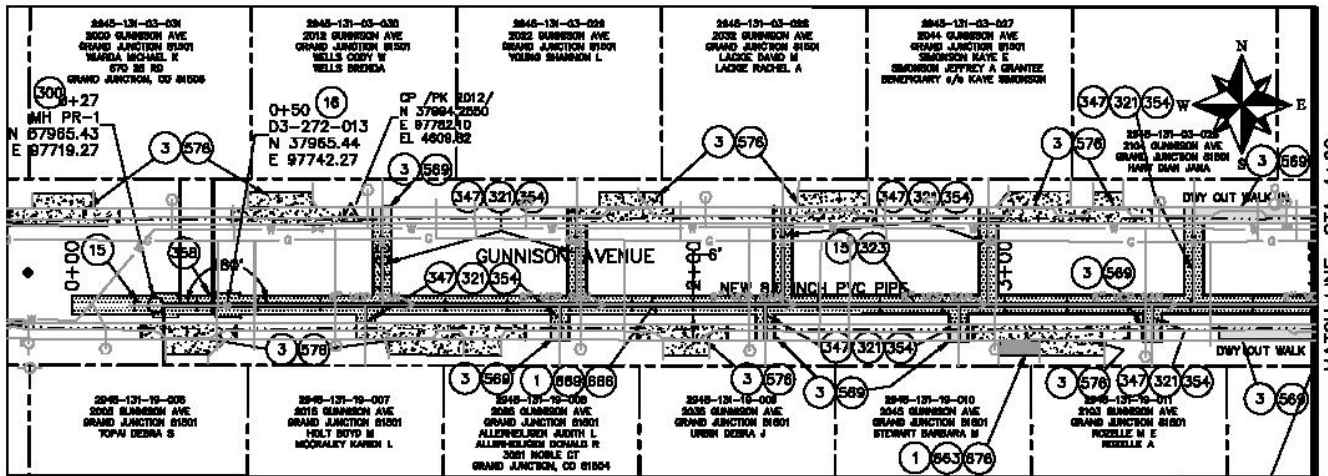
1" = 20'

1" = 10'

PUBLIC WORKS ENGINEERING DIVISION

2017 SEWER LINE REPLACEMENTS PHASE A

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CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (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)
- 321 102.9/108.2 - 4" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 347 102.9/108.3 - 8" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
- 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 569 608.06 - MONOLITHIC CURB, GUTTER AND SIDEWALK (DRIVE OVER) (5' WIDE)
- 576 608.08 - CONCRETE DRIVEWAY SECTION (8" THICK) (RESIDENTIAL)
- 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
- 689 304 - AGGREGATE BASE COURSE (CLASS 6) (16" THICK)
- 676 401.08 - HOT BITUMINOUS PAVEMENT (3" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 1 1/2" LIFTS)
- 686 401.08 - HOT BITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)

SEE PAVING PLANS FOR PAVING DATA



REVISION	DESCRIPTION	DATE	DRAWN BY	CHECKED BY	DATE
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REVISION A.202		2018	LMC/DEL	LMC/DEL	2018
REVISION A.202		2018	LMC/DEL	LMC/DEL	2018
REVISION A.202		2018	LMC/DEL	LMC/DEL	2018

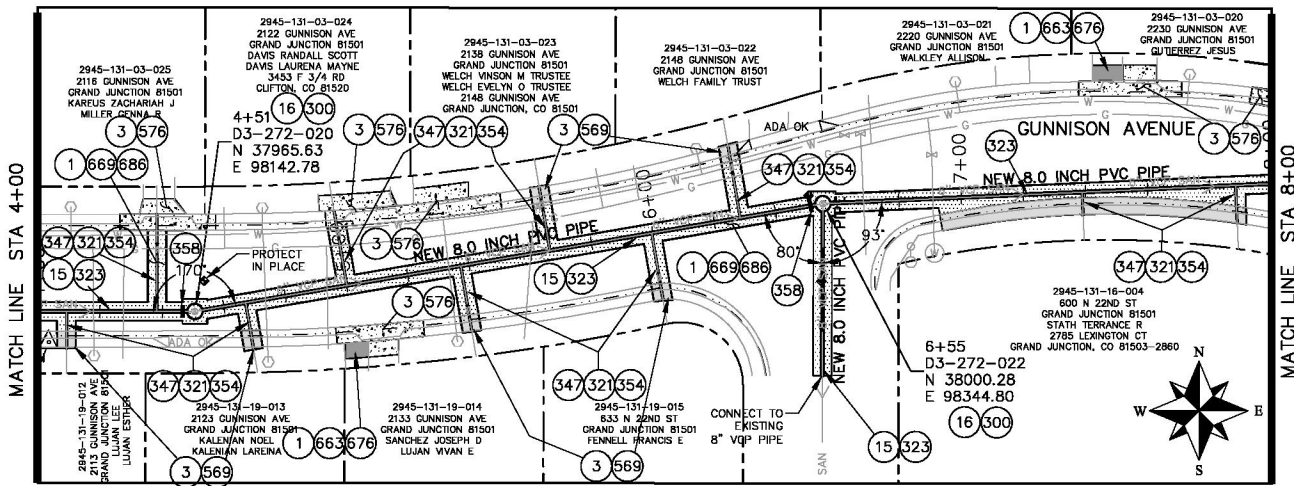
CITY OF Grand Junction COLORADO

PLAN & PROFILE

PUBLIC WORKS ENGINEERING DIVISION

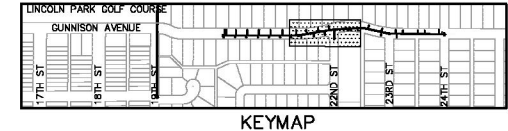
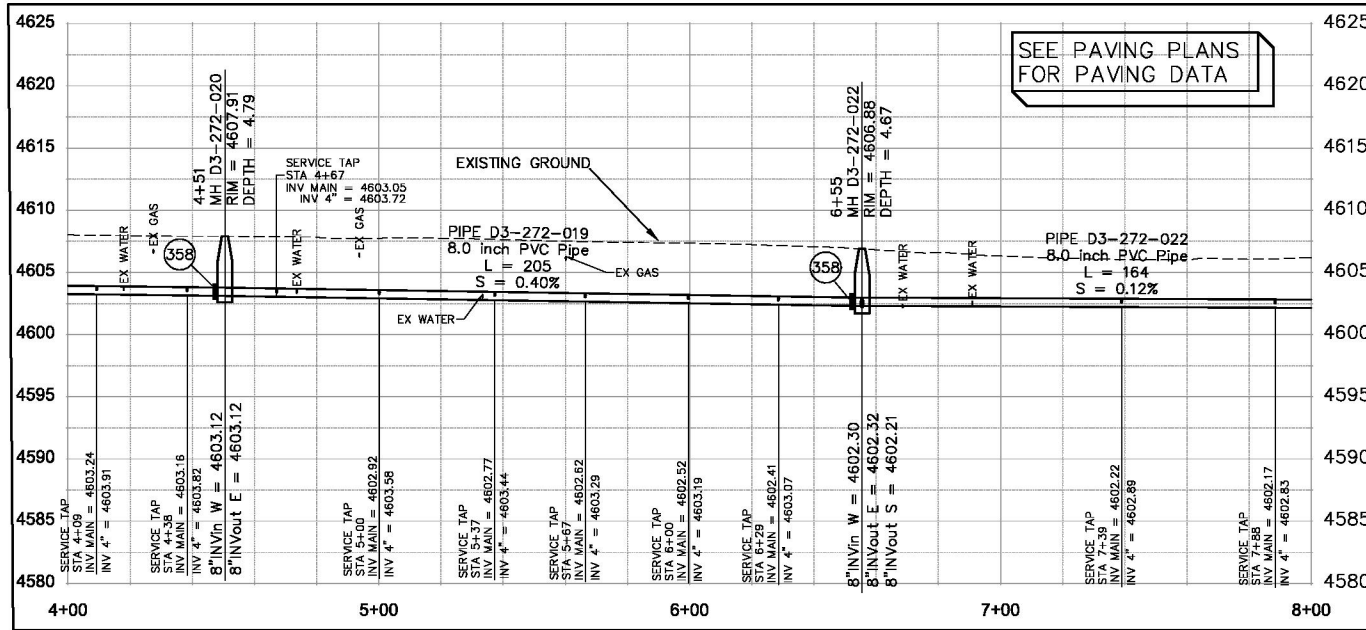
2017 SEWER LINE REPLACEMENTS PHASE A

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CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 110 629 - REFERENCE AND RESET SURVEY MONUMENT. PRIOR TO ANY CONSTRUCTION THE CONTRACTOR'S SURVEYOR MUST SUBMIT FIELD NOTES DETAILING THE PERMANENT REFERENCES PLACED FOR EACH MONUMENT IN DANGER OF LOSS DUE TO CONSTRUCTION.
- 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (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).
- 321 102.9/108.2 - 4" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 347 102.9/108.3 - 8" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
- 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 569 608.06 - MONOLITHIC CURB, GUTTER AND SIDEWALK (DRIVE OVER) (5' WIDE)
- 576 608.06 - CONCRETE DRIVEWAY SECTION (6" THICK) (RESIDENTIAL)
- 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
- 669 304 - AGGREGATE BASE COURSE (CLASS 6) (16" THICK)
- 676 401.08 - HOT BITUMINOUS PAVEMENT (3" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 1 1/2" LIFTS)
- 686 401.08 - HOT BITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION A XXX		201X	HMC/JCS	2018
REVISION A XXX		201X	HMC/JCS	2018
REVISION A XXX		201X	JJV	2016
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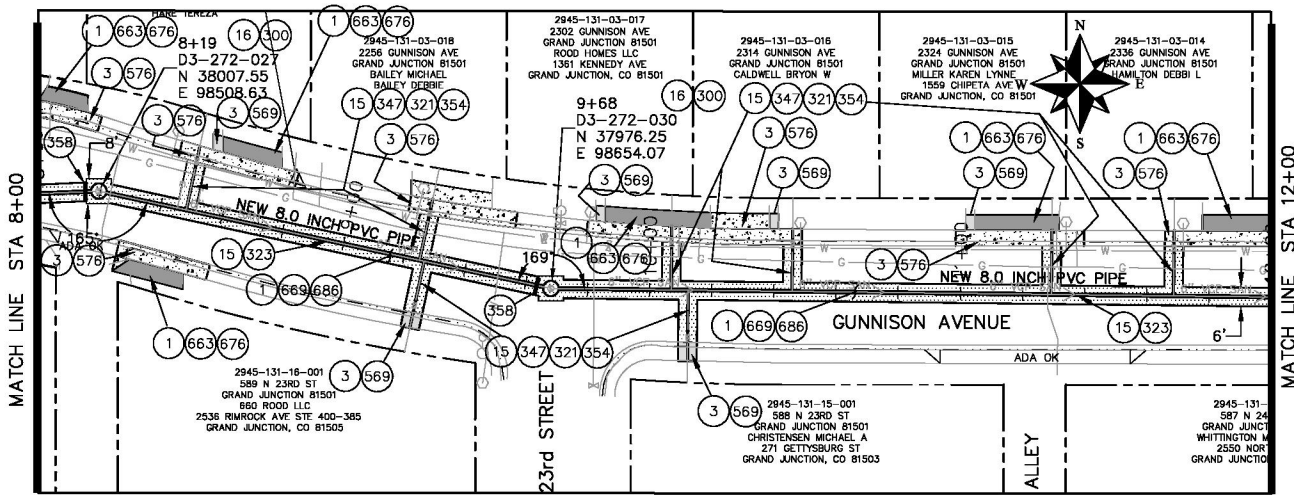
CITY OF Grand Junction COLORADO

SCALE: PLAN & PROFILE
 1" = 40' HORIZONTAL
 1" = 4' VERTICAL

PUBLIC WORKS ENGINEERING DIVISION

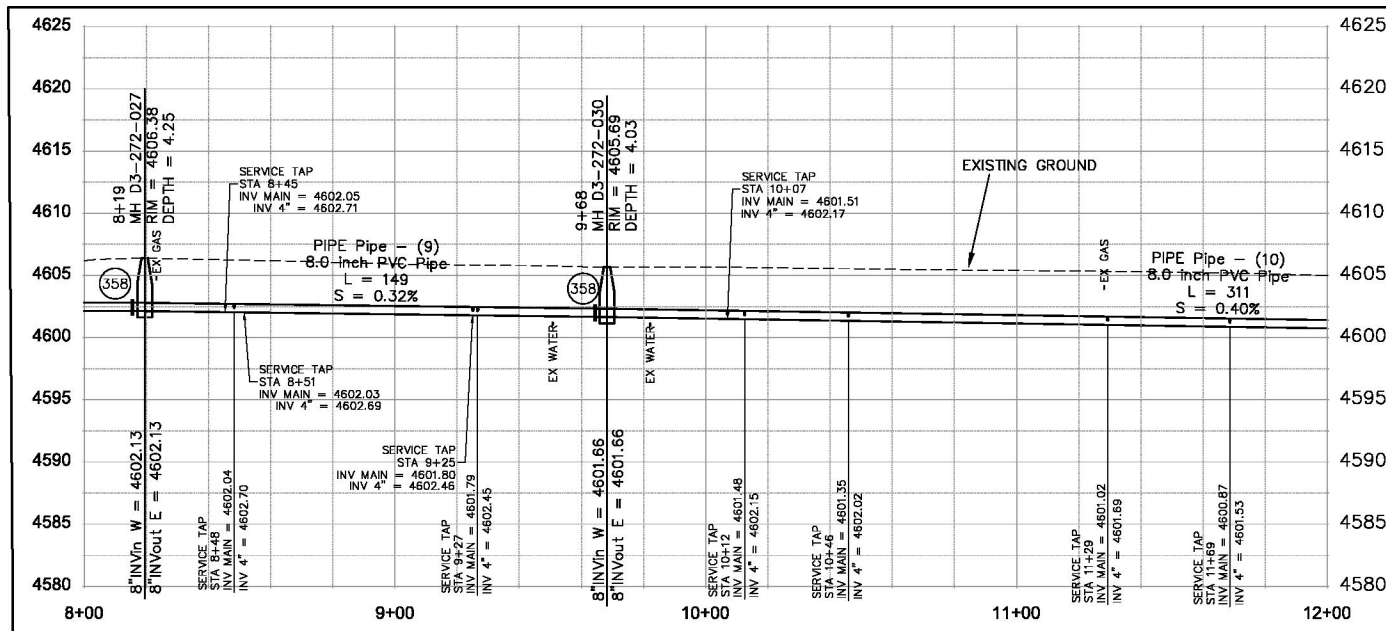
2017 SEWER LINE REPLACEMENTS PHASE A

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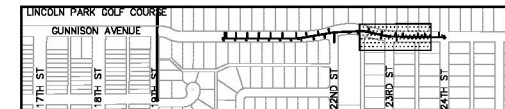


CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (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).
- 321 102.9/108.2 - 4" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 347 102.9/108.3 - 8" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
- 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 569 608.06 - MONOLITHIC CURB, GUTTER AND SIDEWALK (DRIVE OVER) (5' WIDE)
- 576 608.06 - CONCRETE DRIVEWAY SECTION (6" THICK) (RESIDENTIAL)
- 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
- 669 304 - AGGREGATE BASE COURSE (CLASS 6) (16" THICK)
- 676 401.08 - HOT BITUMINOUS PAVEMENT (3" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 1 1/2" LIFTS)
- 686 401.08 - HOT BITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 64-22)



SEE PAVING PLANS FOR PAVING DATA



REVISION	DESCRIPTION	DATE	DRAWN BY	HMC/JCS	DATE	2018
REVISION A	XXX	201X	DESIGNED BY	HMC/JCS	DATE	2018
REVISION B	XXX	201X	CHECKED BY	JJV	DATE	2018
REVISION C	XXX	201X	APPROVED BY	ICP	DATE	2018

CITY OF Grand Junction COLORADO

PLAN & PROFILE

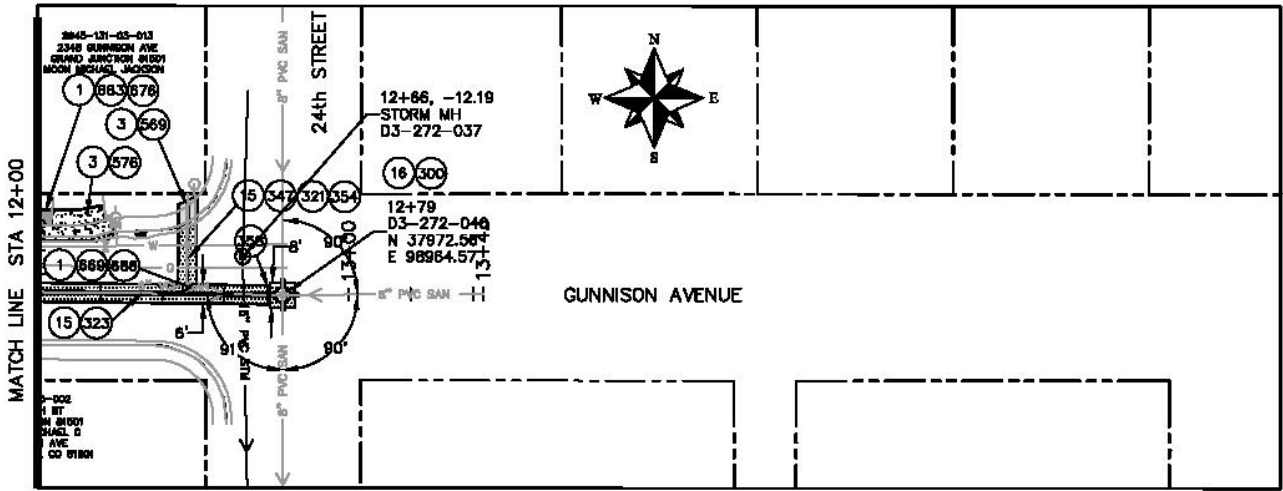
SCALE: 1" = 40'

VERTICAL SCALE: 1" = 4'

PUBLIC WORKS ENGINEERING DIVISION

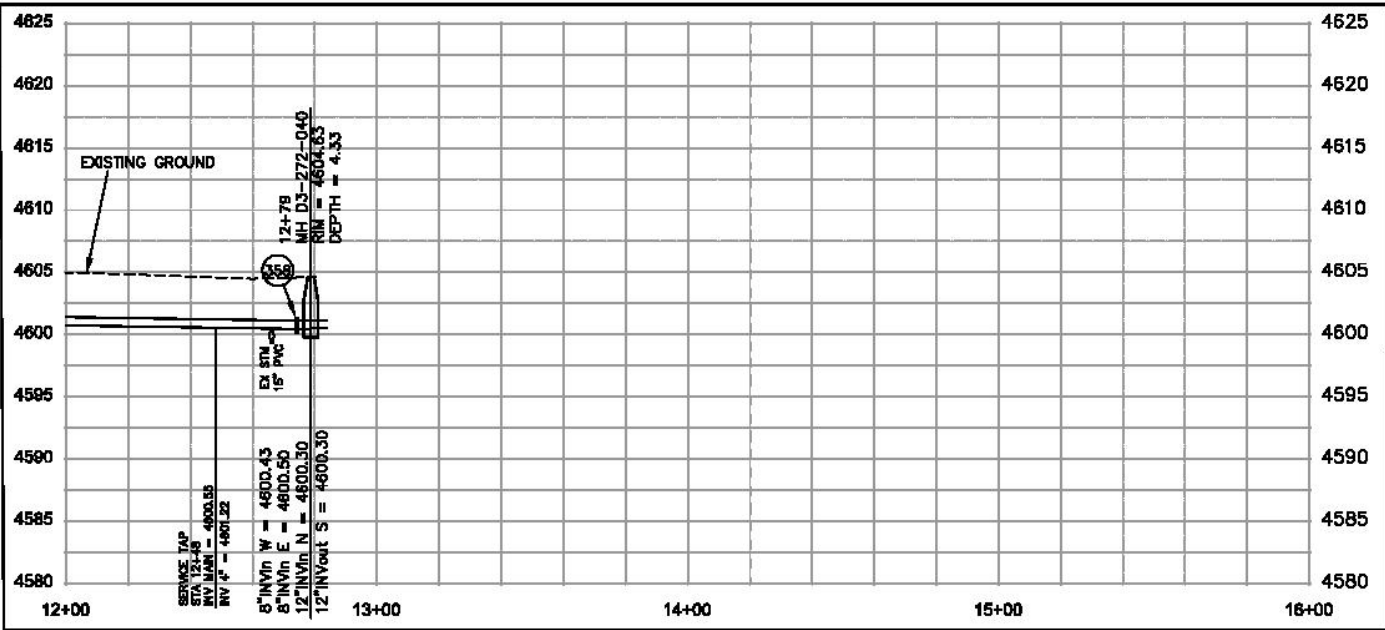
2017 SEWER LINE REPLACEMENTS PHASE A

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CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 16 202 - REMOVAL OF MANHOLE. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS.
- 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (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).
- 321 102.8/108.2 - 4" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 323 102.8/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 347 102.8/108.3 - 8" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).354104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 569 808.08 - MONOLITHIC CURB, GUTTER AND SIDEWALK (DRIVE OVER) (5' WIDE)
- 576 808.08 - CONCRETE DRIVEWAY SECTION (6" THICK) (RESIDENTIAL)
- 863 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
- 869 304 - AGGREGATE BASE COURSE (CLASS 6) (18" THICK)
- 876 401.08 - HOT BITUMINOUS PAVEMENT (3" THICK) (GRADING SX, BINDER GRADE PG 84-22) (TWO 1 1/2" LIFTS)
- 888 401.08 - HOT BITUMINOUS PAVEMENT (1" THICK) (GRADING SX, BINDER GRADE PG 84-22)



SEE PAVING PLANS FOR PAVING DATA



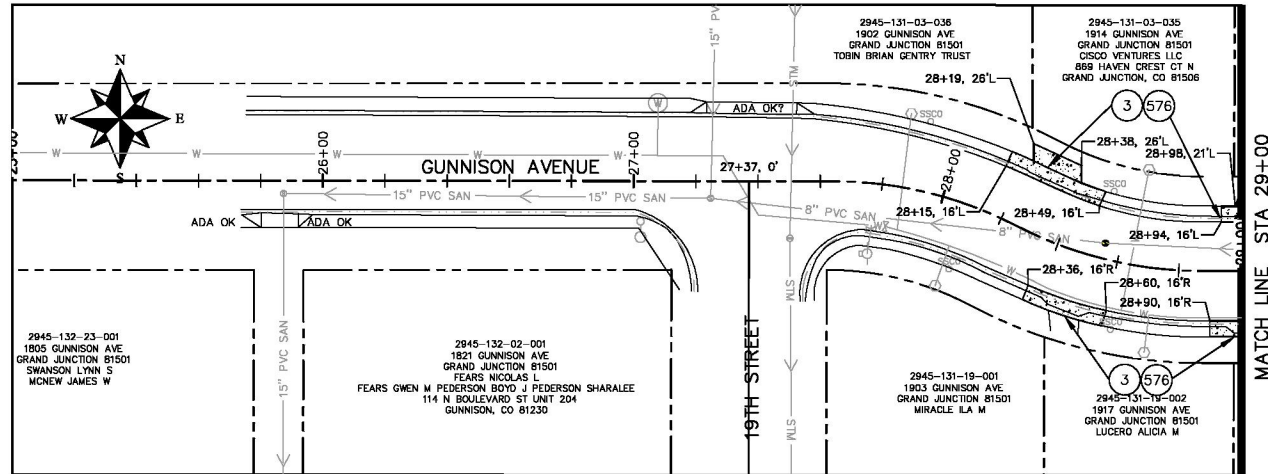
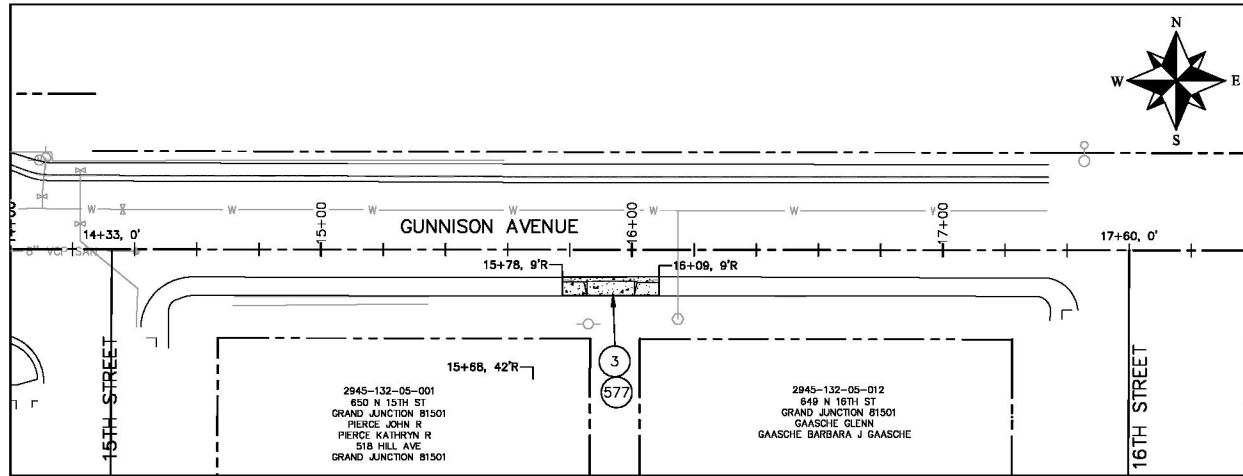
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REVISION B		2016	LMC/JCL	LMC/JCL	2016
REVISION C		2016	JW	JW	2016
REVISION D		2016	JW	JW	2016



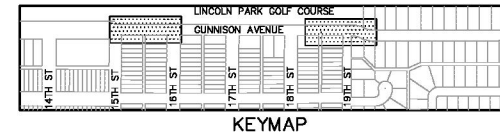
**PUBLIC WORKS
ENGINEERING DIVISION**

**2017 SEWER LINE REPLACEMENTS
PHASE A**

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SEE SEWER PLANS FOR PAVING DATA RELATED TO SEWER



CONSTRUCTION NOTES

- 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
- 576 608.06 - CONCRETE DRIVEWAY SECTION (6" THICK) (RESIDENTIAL)
- 577 608.06 - CONCRETE DRIVEWAY SECTION (8" THICK) (COMMERCIAL)

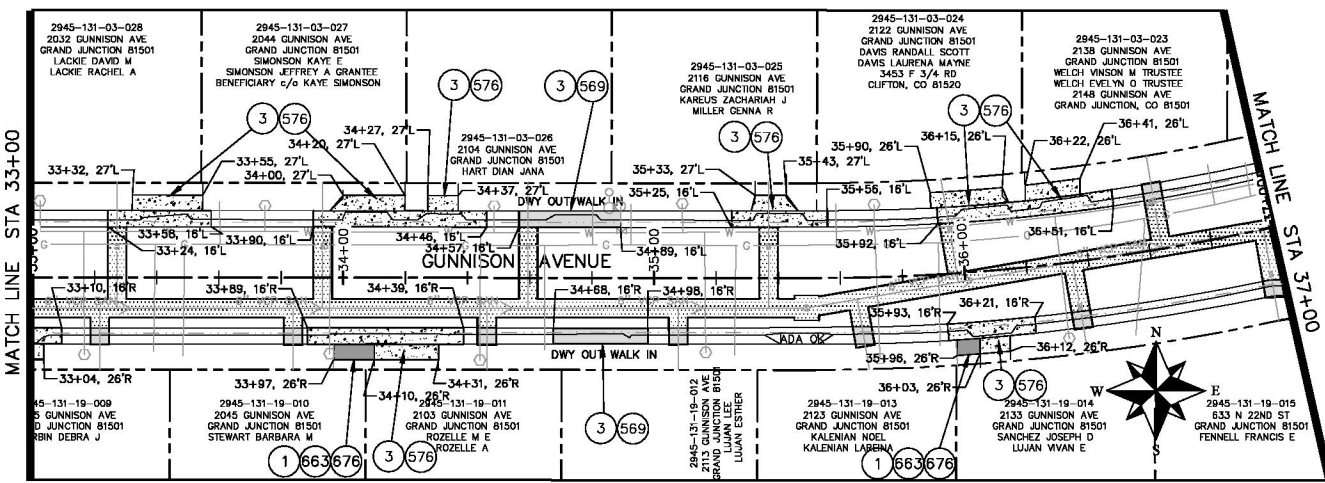
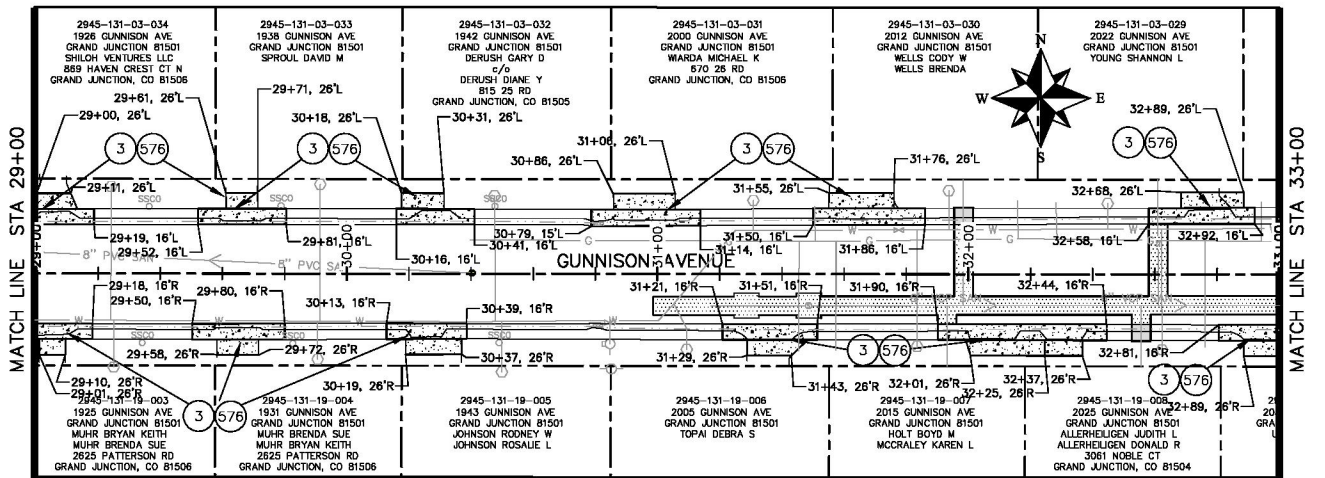
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REVISION A XXX		201X	DESIGNED BY	HMC/JCS	DATE	2018	PLAN & PROFILE
REVISION A XXX		201X	CHECKED BY	JJV	DATE	2016	HORIZONTAL
REVISION A XXX		201X	APPROVED BY	ICP	DATE	2016	VERTICAL



PUBLIC WORKS ENGINEERING DIVISION

2017 SEWER LINE REPLACEMENTS PHASE A

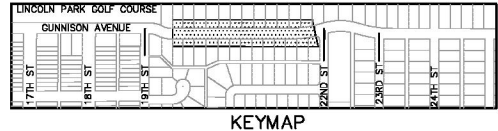
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CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
- 569 608.06 - MONOLITHIC CURB, GUTTER AND SIDEWALK (DRIVE OVER) (5' WIDE)
- 576 608.06 - CONCRETE DRIVEWAY SECTION (6" THICK) (RESIDENTIAL)
- 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
- 676 401.08 - HOT BITUMINOUS PAVEMENT (3" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 1 1/2" LIFTS)

SEE SEWER PLANS FOR PAVING DATA RELATED TO SEWER



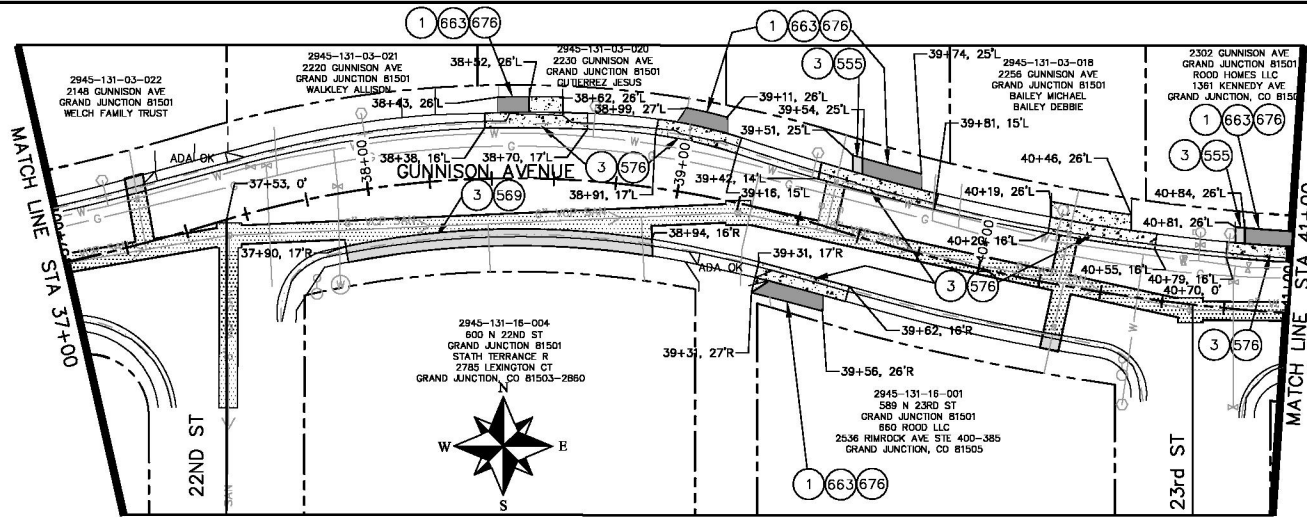
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REVISION A	XXX	201X	DESIGNED BY	HMC/JCS	DATE	2018	PLAN & PROFILE
REVISION B	XXX	201X	CHECKED BY	JJV	DATE	2018	1" = 40'
REVISION C	XXX	201X	APPROVED BY	ICP	DATE	2018	3" = 100'



PUBLIC WORKS
ENGINEERING DIVISION

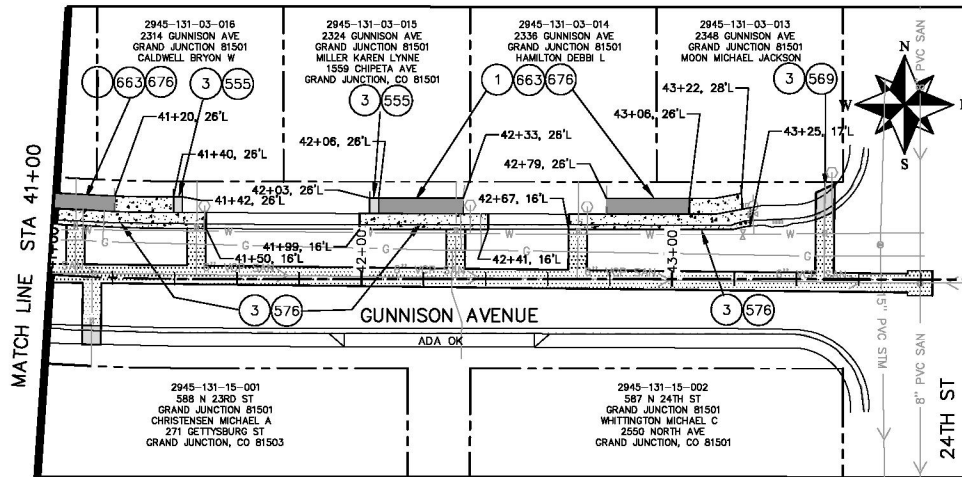
2017 SEWER LINE REPLACEMENTS
PHASE A

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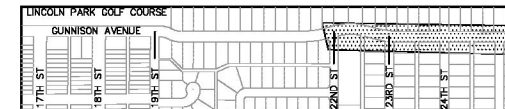


CONSTRUCTION NOTES

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
- 555 608.06 - CONCRETE SIDEWALK (4" THICK)
- 569 608.06 - MONOLITHIC CURB, GUTTER AND SIDEWALK (DRIVE OVER) (5' WIDE)
- 576 608.06 - CONCRETE DRIVEWAY SECTION (6" THICK) (RESIDENTIAL)
- 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
- 676 401.08 - HOT BITUMINOUS PAVEMENT (3" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 1 1/2" LIFTS)



SEE SEWER PLANS FOR PAVING DATA RELATED TO SEWER



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE:
REVISION A XXX		201X	HMC/JCS	2016	PLAN & PROFILE
REVISION A XXX		201X	HMC/JCS	2016	HORIZONTAL
REVISION A XXX		201X	JJV	2016	VERTICAL
REVISION A XXX		201X	ICP	2016	



PUBLIC WORKS ENGINEERING DIVISION

2017 SEWER LINE REPLACEMENTS PHASE A



Purchasing Division

ADDENDUM NO. 1

DATE: February 10, 2017
FROM: City of Grand Junction Purchasing Division
TO: All Offerors
RE: 2017 Sewer Line Replacement Project Phase A IFB-4326-17-DH

Offerors responding to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.

Please make note of the following clarifications:

1. The solicitation Bid Schedule has been modified. Contractor shall utilize this Revised Bid Schedule when submitting their bid response to this solicitation process (see attached).

The original solicitation for the project noted above is amended as noted.

All other conditions of subject remain the same.

Respectfully,

A handwritten signature in black ink, appearing to read "Duane Hoff Jr.", written over a white background.

Duane Hoff Jr., Senior Buyer
City of Grand Junction, Colorado

Bid Schedule: 2017 Sewer Line Replacement Phase A

Company Name: _____

Addendum 1

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
1	108.2	6" Gravity Sewer Pipe (SDR-35 PVC)	100.	LF	\$ _____	\$ _____
2	108.2	8" Gravity Sewer Pipe (SDR-35 PVC)	1,865.	LF	\$ _____	\$ _____
3	108.2	12" Gravity Sewer Pipe (SDR-35 PVC)	1,335.	LF	\$ _____	\$ _____
4	108.2	15" Gravity Sewer Pipe (SDR-35 PVC)	190.	LF	\$ _____	\$ _____
5	108.2	18" Gravity Sewer Pipe (SDR-35 PVC)	72.	LF	\$ _____	\$ _____
6	108.2	4" Sanitary Sewer Pipe (SDR-35 PVC) Price to Include connections to the sewer main and existing sewer service line.	952.	LF	\$ _____	\$ _____
7	108.2	12" Storm Drain Pipe (RCP or HP Storm)	110.	LF	\$ _____	\$ _____
8	108.2	Import Trench Material	5,000.	Ton	\$ _____	\$ _____
9	108.2	Bypass Pumping		Lump sum	---	\$ _____
10	108.3	8" X 4" Sewer Service Tap (Full Body Wye w/ Street 45°)	35.	EA	\$ _____	\$ _____
11	108.3	12" X 4" Sewer Service Tap (Full Body Wye w/ Street 45°)	2.	EA	\$ _____	\$ _____
12	108.3	Inserta Tee(15"18" Pipe)	4.	EA	\$ _____	\$ _____
13	108.3	Sanitary Sewer Service Clean-out Ring and Cover (Castings Inc. CO8030-CI or equivalent)	40.	EA	\$ _____	\$ _____
14	108.2	6" Water Pipe (C-900 PVC)	130.	LF	\$ _____	\$ _____
15	108.2	12" Water Pipe (C-900 PVC)	20.	LF	\$ _____	\$ _____
16	108.3	6" Gate Valve	2.	EA	\$ _____	\$ _____
17	108.4	6" X 3/4" Tapping Saddle	1.	EA	\$ _____	\$ _____
18	108.3	6' X6" Tee	1.	EA	\$ _____	\$ _____
19	108.3	12" X 6" Cross	1.	EA	\$ _____	\$ _____
20	108.5	6" 45deg Elbow	4.	EA	\$ _____	\$ _____

Bid Schedule: 2017 Sewer Line Replacement Phase A

Company Name: _____

Addendum 1

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
21	108.4	3/4" Corperation Stop	1.	EA	\$ _____	\$ _____
22	108.3	6" Fitting (Special) (Hi-Max or engineer approved equal)	2.	EA	\$ _____	\$ _____
23	108.3	12" Fitting (Special) (Hi-Max or engineer approved equal)	2.	EA	\$ _____	\$ _____
24	108.5	Storm sewer Basic Manhole (48" I.D.)	1.	EA	\$ _____	\$ _____
25	108.5	Sanitary Sewer Basic Manhole (48" I.D.)	20.	EA	\$ _____	\$ _____
26	108.5	Manhole Barrel Section (D>5')(48" I.D.)	40.	VF	\$ _____	\$ _____
27	108.5	Sanitary Sewer Basic Manhole (60" I.D.)	10.	EA	\$ _____	\$ _____
28	108.5	Manhole Barrel Section (D>5')(60" I.D.)	29.	VF	\$ _____	\$ _____
29	108.5	Sanitary Sewer Basic Drop Manhole (48" I.D.)	1.	EA	\$ _____	\$ _____
30	108.5	Drop Manhole Barrel Section (D>5')(48" I.D.)	6.	VF	\$ _____	\$ _____
31	108.5	Sanitary Sewer Basic Drop Manhole (60" I.D.)	4.	EA	\$ _____	\$ _____
32	108.5	Drop Manhole Barrel Section (D>5')(60" I.D.)	25.	VF	\$ _____	\$ _____
33	108.5	Connect to Existing Pipe (6" VCP)	2.	EA	\$ _____	\$ _____
34	108.5	Connect to Existing Pipe (8" VCP)	5.	EA	\$ _____	\$ _____
35	108.7	Granular Stabilization Material	350.	CY	\$ _____	\$ _____
36	202	Removal of Asphalt (Cut and Remove as shown on Plans)	3,250.	SY	\$ _____	\$ _____
37	202	Removal of Concrete (Saw Cut as required and remove concrete as shown on plans)	1,081.	SY	\$ _____	\$ _____

Bid Schedule: 2017 Sewer Line Replacement Phase A

Company Name: _____

Addendum 1

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
38	202	Remove Sod	670.	SF	\$ _____	\$ _____
39	202	Removal of Manhole (No Re-Installation) (Price to inslucе plugging existing pipes, removal of consection and backfilling with a self consolidating Material)	14.	EA	\$ _____	\$ _____
40	203	Disposal of Radioactive Material	100.	CY	\$ _____	\$ _____
41	208	Erosion Control (Complete in Place)		Lump sum	---	\$ _____
42	208	Concrete Washout		Lump sum	---	\$ _____
43	209	Dust Abatement	100.	DAY	\$ _____	\$ _____
44	212	Re-Sod Areas as Shown	670.	SF	\$ _____	\$ _____
45	304	Aggregate Base Course (Class 6) (6" thick)(BOW locations)	110.	SY	\$ _____	\$ _____
46	304	Aggregate Base Course (Class 6) (12" thick)	1,530.	SY	\$ _____	\$ _____
47	304	Aggregate Base Course (Class 6) (16" thick)	1,610.	SY	\$ _____	\$ _____
48	401	Hot Mix Asphalt (Patching)(1 " Thick) Grading SX Binder 64-22	3,140.	SY	\$ _____	\$ _____
49	401	Hot Mix Asphalt (Patching)(3" Thick) Grading SX Binder 64-22	110.	SY	\$ _____	\$ _____
50	608	Concrete Drive Over Curb and Gutter (2' Wide)	70.	LF	\$ _____	\$ _____
51	608	Monlithic Drive Over Curb Gutter and Sidewalk (Width Varies)	160.	SY	\$ _____	\$ _____
52	608	Concrete Sidewalk (4" thick)	35.	SY	\$ _____	\$ _____
53	608	Concrete Driveway Section (6" Thick)	1,040.	SY	\$ _____	\$ _____
54	620	Portable Sanitary Facility		Lump sum	---	\$ _____
55	625	Construction Surveying		Lump sum	---	\$ _____

Bid Schedule: 2017 Sewer Line Replacement Phase A

Company Name: _____

Addendum 1

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
56	626	Mobilization		Lump sum	---	\$ _____
57	629	Survey Monument (Reference and Reset)	5.	EA	\$ _____	\$ _____
58	630	Traffic Control (Complete in Place)		Lump sum	---	\$ _____
59	630	Traffic Control Plan		Lump sum	---	\$ _____
60	630	Flagging	750.	HR	\$ _____	\$ _____
61	GCC-56	Newsletters (20-80 per distribution)(weekly)		Lump sum	---	\$ _____
62	SP1	Quality Control Testing		Lump sum	---	\$ _____
63	SP2	Installation of Clean-out (Price to Include Two way sweep, vertical extension, coupling to existing PVC Pipe and cap)	4.	EA	\$ _____	\$ _____
64	SP3	Repair sag Line Per drawing SHT 6 of plan set		Lump Sum	---	\$ _____
MCR		Minor Contract Revisions	---	---	---	\$ <u>100,000.00</u>
Bid Amount:						\$ _____

Bid Amount:

dollars

4. Contractor's Bid Form

Bid Date: 2-16-17

Project: IFB-4326-17-DH "2017 Sewer Line Replacement Project Phase A"

Bidding Company: M.A. Concrete Construction, Inc.

Name of Authorized Agent: Andy Azcaraga

Email maconcreteandy@bresnan.net

Telephone 243-3221 Address 2323 River Road

City Grand Junction State CO Zip 81505

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.

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

State number of Addenda received: 1.

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: M.A. Concrete Construction, Inc.

Authorized Signature: Andy Azcaraga

Title: President

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

Name & address of Sub-Contractor	Description of work to be performed	% of Contract
TCS GJ, CO	Traffic Control	9
Martin Construction Fruita, CO	Asphalt	4
M+M GJ, CO	Concrete	4

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.

Bid Schedule: 2017 Sewer Line Replacement Phase A

Company Name: M.A. Concrete Construction, Inc. **Addendum 1**

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
1	108.2	6" Gravity Sewer Pipe (SDR-35 PVC)	100.	LF	\$ <u>46.00</u>	\$ <u>4600.00</u>
2	108.2	8" Gravity Sewer Pipe (SDR-35 PVC)	1,865.	LF	\$ <u>40.00</u>	\$ <u>74,600.00</u>
3	108.2	12" Gravity Sewer Pipe (SDR-35 PVC)	1,335.	LF	\$ <u>52.00</u>	\$ <u>69,420.00</u>
4	108.2	15" Gravity Sewer Pipe (SDR-35 PVC)	190.	LF	\$ <u>58.00</u>	\$ <u>11,020.00</u>
5	108.2	18" Gravity Sewer Pipe (SDR-35 PVC)	72.	LF	\$ <u>180.00</u>	\$ <u>12,960.00</u>
6	108.2	4" Sanitary Sewer Pipe (SDR-35 PVC) Price to Include connections to the sewer main and existing sewer service line.	952.	LF	\$ <u>53.00</u>	\$ <u>50,456.00</u>
7	108.2	12" Storm Drain Pipe (RCP or HP Storm)	110.	LF	\$ <u>60.00</u>	\$ <u>6600.00</u>
8	108.2	Import Trench Material	5,000.	Ton	\$ <u>18.50</u>	\$ <u>92500.00</u>
9	108.2	Bypass Pumping		Lump sum	---	\$ <u>5000.00</u>
10	108.3	8" X 4" Sewer Service Tap (Full Body Wye w/ Street 45°)	35.	EA	\$ <u>300.00</u>	\$ <u>10,500.00</u>
11	108.3	12" X 4" Sewer Service Tap (Full Body Wye w/ Street 45°)	2.	EA	\$ <u>430.00</u>	\$ <u>860.00</u>
12	108.3	Inserta Tee(15"18" Pipe)	4.	EA	\$ <u>300.00</u>	\$ <u>1200.00</u>
13	108.3	Sanitary Sewer Service Clean-out Ring and Cover (Castings Inc. CO8030-CI or equivalent)	40.	EA	\$ <u>1150.00</u>	\$ <u>46000.00</u>
14	108.2	6" Water Pipe (C-900 PVC)	130.	LF	\$ <u>23.00</u>	\$ <u>2990.00</u>
15	108.2	12" Water Pipe (C-900 PVC)	20.	LF	\$ <u>120.00</u>	\$ <u>2400.00</u>
16	108.3	6" Gate Valve	2.	EA	\$ <u>1010.00</u>	\$ <u>2020.00</u>
17	108.4	6" X 3/4" Tapping Saddle	1.	EA	\$ <u>300.00</u>	\$ <u>300.00</u>
18	108.3	6' X6" Tee	1.	EA	\$ <u>515.00</u>	\$ <u>515.00</u>
19	108.3	12" X 6" Cross	1.	EA	\$ <u>845.00</u>	\$ <u>845.00</u>
20	108.5	6" 45deg Elbow	4.	EA	\$ <u>310.00</u>	\$ <u>1240.00</u>

Bid Schedule: 2017 Sewer Line Replacement Phase A

Company Name: M.A. Concrete Construction, Inc.

Addendum 1

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
21	108.4	3/4" Corperation Stop	1.	EA	\$ <u>240.00</u>	\$ <u>240.00</u>
22	108.3	6" Fitting (Special) (Hi-Max or engineer approved equal)	2.	EA	\$ <u>405.00</u>	\$ <u>810.00</u>
23	108.3	12" Fitting (Special) (Hi-Max or engineer approved equal)	2.	EA	\$ <u>570.00</u>	\$ <u>11.40.00</u>
24	108.5	Storm sewer Basic Manhole (48" I.D.)	1.	EA	\$ <u>3400.00</u>	\$ <u>3400.00</u>
25	108.5	Sanitary Sewer Basic Manhole (48" I.D.)	20.	EA	\$ <u>3500.00</u>	\$ <u>70000.00</u>
26	108.5	Manhole Barrel Section (D>5')(48" I.D.)	40.	VF	\$ <u>150.00</u>	\$ <u>6000.00</u>
27	108.5	Sanitary Sewer Basic Manhole (60" I.D.)	10.	EA	\$ <u>3800.00</u>	\$ <u>38000.00</u>
28	108.5	Manhole Barrel Section (D>5')(60" I.D.)	29.	VF	\$ <u>160.00</u>	\$ <u>4640.00</u>
29	108.5	Sanitary Sewer Basic Drop Manhole (48" I.D.)	1.	EA	\$ <u>5250.00</u>	\$ <u>5250.00</u>
30	108.5	Drop Manhole Barrel Section (D>5')(48" I.D.)	6.	VF	\$ <u>130.00</u>	\$ <u>780.00</u>
31	108.5	Sanitary Sewer Basic Drop Manhole (60" I.D.)	4.	EA	\$ <u>5200.00</u>	\$ <u>20800.00</u>
32	108.5	Drop Manhole Barrel Section (D>5')(60" I.D.)	25.	VF	\$ <u>200.00</u>	\$ <u>5000.00</u>
33	108.5	Connect to Existing Pipe (6" VCP)	2.	EA	\$ <u>1125.00</u>	\$ <u>2250.00</u>
34	108.5	Connect to Existing Pipe (8" VCP)	5.	EA	\$ <u>1130.00</u>	\$ <u>5650.00</u>
35	108.7	Granular Stabilization Material	350.	CY	\$ <u>31.00</u>	\$ <u>10850.00</u>
36	202	Removal of Asphalt (Cut and Remove as shown on Plans)	3,250.	SY	\$ <u>8.00</u>	\$ <u>26000.00</u>
37	202	Removal of Concrete (Saw Cut as required and remove concrete as shown on plans)	1,081.	SY	\$ <u>5.00</u>	\$ <u>5405.00</u>

Bid Schedule: 2017 Sewer Line Replacement Phase A

Company Name: M.A. Concrete Construction, Inc.

Addendum 1

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
38	202	Remove Sod	670.	SF	\$ <u>2.00</u>	\$ <u>1340.00</u>
39	202	Removal of Manhole (No Re-Installation) (Price to inslucе plugging existing pipes, removal of consection and backfilling with a self consolidating Material)	14.	EA	\$ <u>1260.00</u>	\$ <u>17640.00</u>
40	203	Disposal of Radioactive Material	100.	CY	\$ <u>19.00</u>	\$ <u>1900.00</u>
41	208	Erosion Control (Complete in Place)		Lump sum	---	\$ <u>3100.00</u>
42	208	Concrete Washout		Lump sum	---	\$ <u>440.00</u>
43	209	Dust Abatement	100.	DAY	\$ <u>285.00</u>	\$ <u>28,500.00</u>
44	212	Re-Sod Areas as Shown	670.	SF	\$ <u>2.00</u>	\$ <u>1340.00</u>
45	304	Aggregate Base Course (Class 6) (6" thick)(BOW locations)	110.	SY	\$ <u>20.00</u>	\$ <u>2200.00</u>
46	304	Aggregate Base Course (Class 6) (12" thick)	1,530.	SY	\$ <u>20.00</u>	\$ <u>30,600.00</u>
47	304	Aggregate Base Course (Class 6) (16" thick)	1,610.	SY	\$ <u>20.00</u>	\$ <u>32,200.00</u>
48	401	Hot Mix Asphalt (Patching)(1 " Thick) Grading SX Binder 64-22	3,140.	SY	\$ <u>16.00</u>	\$ <u>50,240.00</u>
49	401	Hot Mix Asphalt (Patching)(3" Thick) Grading SX Binder 64-22	110.	SY	\$ <u>41.00</u>	\$ <u>4510.00</u>
50	608	Concrete Drive Over Curb and Gutter (2' Wide)	70.	LF	\$ <u>41.00</u>	\$ <u>2870.00</u>
51	608	Monlithic Drive Over Curb Gutter and Sidewalk (Width Varies)	160.	SY	\$ <u>72.00</u>	\$ <u>11520.00</u>
52	608	Concrete Sidewalk (4" thick)	35.	SY	\$ <u>70.00</u>	\$ <u>2450.00</u>
53	608	Concrete Driveway Section (6" Thick)	1,040.	SY	\$ <u>60.00</u>	\$ <u>62,400.00</u>
54	620	Portable Sanitary Facility		Lump sum	---	\$ <u>400.00</u>
55	625	Construction Surveying		Lump sum	---	\$ <u>20,000.00</u>

Bid Schedule: 2017 Sewer Line Replacement Phase A

Company Name: M.A. Concrete Construction, Inc.

Addendum 1

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
56	626	Mobilization		Lump sum	---	\$ <u>168,899.00</u>
57	629	Survey Monument (Reference and Reset)	5.	EA	\$ <u>350.00</u>	\$ <u>1750.00</u>
58	630	Traffic Control (Complete in Place)		Lump sum	---	\$ <u>130,000.00</u>
59	630	Traffic Control Plan		Lump sum	---	\$ <u>550.00</u>
60	630	Flagging	750.	HR	\$ <u>30.00</u>	\$ <u>22,500.00</u>
61	GCC-56	Newsletters (20-80 per distribution)(weekly)		Lump sum	---	\$ <u>550.00</u>
62	SP1	Quality Control Testing		Lump sum	---	\$ <u>18,000.00</u>
63	SP2	Installation of Clean-out (Price to Include Two way sweep, vertical extension, coupling to existing PVC Pipe and cap)	4.	EA	\$ <u>1230.00</u>	\$ <u>4,920.00</u>
64	SP3	Repair sag Line Per drawing SHT 6 of plan set		Lump Sum	---	\$ <u>20,000.00</u>
MCR		Minor Contract Revisions		--- ---	---	\$ <u>100,000.00</u>

Bid Amount: \$ 1,320,400.00

Bid Amount:

One Million Three hundred twenty thousand + no/100 dollars

BID BOND

KNOW ALL MEN BY THESE PRESENTS,

that we, M.A. Concrete Construction, Inc. (_____ an individual,
_____ a partnership, a corporation incorporated in the State of CO) as Principal,
and Western Surety Company (incorporated in the
State of SD) as Surety, are held and firmly bound unto the City of Grand
Junction, Colorado, (hereinafter called "City") in the penal sum of Five Percent of Amount Bid
_____ dollars (\$ 5%), lawful money of the United States, for the
payment of which sum we bind ourselves, our heirs, executors, administrators, successors, and
assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that WHEREAS the Principal has
submitted the accompanying Bid dated February 16, 2017 for construction of 2017
Sewer Line Replacement Phase A
_____ (the Project) for the City and

WHEREAS, the City has required as a condition for receiving said Bid that the Principal deposit
with the City either a cashier's check or a certified check equivalent to not less than five percent of
the amount of said Bid or in lieu thereof furnish a Bid Bond for said amount conditioned that in
event of a failure to execute the proposed Contract for such construction and to provide the required
Performance and Payment Bonds and Insurance Certificates if the Contract be awarded to the
Bidder, that said sum be paid immediately to the City as Liquidated Damages and not as a penalty
for the Principal's failure to perform.

NOW, THEREFORE, if the Principal shall, within the period specified therefore, on the attached
prescribed forms presented to the Bidder for signature, enter into a written Contract with the City in
accordance with said Bid as accepted, and give Performance and Payment Bonds with good and
sufficient Surety, or Sureties, as may be required upon the forms prescribed by the City, for the
faithful performance and the proper fulfillment of said Contract, provide Certificates of Insurance
as required by said Contract, and provide all other information and documentation required by the
Contract Documents, then this obligation shall be void and of no effect, otherwise to remain in full
force and effect. In the event suit is brought upon this bond by the City and the City prevails, the
principal and surety shall pay all costs incurred by the City in such suit, including reasonable
attorneys' fees and costs to be fixed by the Court.

IN WITNESS WHEREOF, the above bound parties have executed this instrument under their several seals the name and corporate seal of each corporate party being hereto affixed and duly signed by its undersigned representative pursuant to authority of its governing board.

Dated this 16th day of February, 2017.

Principal: M.A. Concrete Construction, Inc.

Address: 2323 River Road

Grand Junction, CO 81505

Signed: By: *Martin Graung*

Title: President

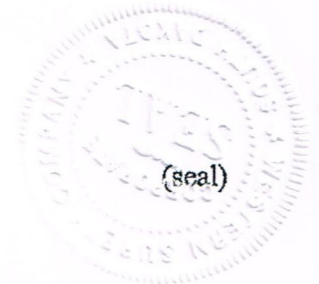
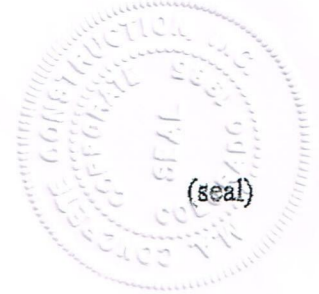
Surety: Western Surety Company

Address: 333 S. Wabash Ave.

Chicago, IL 60604

Signed: By: *Tina Marie Post*

Title: Tina Marie Post Attorney-in-Fact



INSTRUCTIONS FOR COMPLETING BID BOND

1. The full legal name and residence of each individual executing this Bond as Principal must be inserted in the first paragraph.
2. If the Principal is a partnership, the full name of the partnership and all individuals must be inserted in the first paragraph which must recite that individuals are partners composing the partnership, and all partners must execute the Bond as individuals.
3. The State of incorporation of each corporate Principal or Surety to the Bond must be inserted in the first paragraph and the Bond must be executed under the corporate seal of said party attested by its secretary or other appropriate officer.
4. Attach a copy of the power-of-attorney for the Surety's agent.

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Jody Anderson, Evan E Moody, Karen A Feggestad, Tina Marie Post, Bradley J Moody, David Dondlinger, Individually

of Denver, CO, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 23rd day of January, 2017.



WESTERN SURETY COMPANY

Paul T. Bruflat

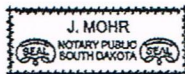
Paul T. Bruflat, Vice President

State of South Dakota }
County of Minnehaha } ss

On this 23rd day of January, 2017, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

June 23, 2021



J. Mohr

J. Mohr, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 16th day of February, 2017.



WESTERN SURETY COMPANY

L. Nelson

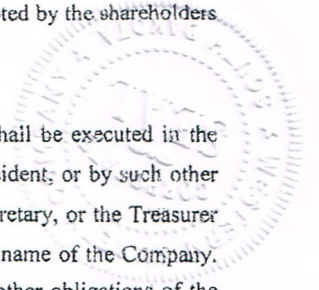
L. Nelson, Assistant Secretary

Authorizing By-Law

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, and Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.





CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
2/14/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).


PRODUCER Moody-Valley Insurance Agency 760 Horizon Drive, Suite 302 Grand Junction CO 81506		CONTACT NAME: Tina Post PHONE (A/C, No, Ext): (970) 248-8300 E-MAIL ADDRESS: tina.post@moodyins.com		FAX (A/C, No): (970) 242-1894
INSURED M. A. Concrete Construction, Inc. P. O. Box 1968 Grand Junction CO 81502		INSURER(S) AFFORDING COVERAGE INSURER A: BITCO Insurance Companies		NAIC # INSURER B: Continental Insurance Company 35289 INSURER C: Pinnacol Assurance 41190 INSURER D: INSURER E: INSURER F:

COVERAGES CERTIFICATE NUMBER: 16/17 Client portal REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			CLP3646434	12/1/2016	12/1/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 Employee Benefits \$ 1,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			CAP3646432	12/1/2016	12/1/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Medical payments \$ 5,000
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR			CUP2810945	12/1/2016	12/1/2017	EACH OCCURRENCE \$ 2,000,000
B	<input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			FFX6045636010- XS OVER UMB	12/1/2016	12/1/2017	AGGREGATE \$ EACH OCCURRENCE \$ 3,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	4195192	9/1/2016	9/1/2017	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Bid Bond: 2017 Sewer Line Replacement Phase A

CERTIFICATE HOLDER City of Grand Junction 250 N 5th Street Grand Junction, CO 81501	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE Tina Post/TINPOS 

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Contracts and Market Analysis Branch
4201 East Arkansas Avenue, 2nd Floor
Denver, Colorado 80222
Telephone: (303) 757-9583
Facsimile: (303) 757-9867



COLORADO
Department of Transportation
Division of Project Support

January 17, 2017

NOTIFICATION OF PREQUALIFICATION

M. A. CONCRETE CONSTRUCTION, INC.
2323 RIVER ROAD
GRAND JUNCTION, CO 81505

Limit: \$15,000,000
Vendor ID: 741A

Reference is made to your application for registration as a qualified bidder on Colorado Highway work, dated December 19, 2016. Your file has been reviewed and determined to be complete. Your firms Vendor ID is indicated above and must be shown on your bid proposal.

Bids from a general contractor will be received subject to any limitation stated above, and with due consideration to the amount of work presently under contract, past performance on highway contracts, and the contractor's financial status at the time of bidding. It is further understood that the bidder has available the organization and equipment adequate for any project on which a bid is submitted; that the contractor's organization and equipment will be available to undertake the work on which bids are currently made, promptly after award of contract; and that the work will be carried on expeditiously and under proper supervision.

On March 31, 2016, CDOT will be updating its bidding software from AASHTOWare Expedite to AASHTOWare Project Bids. For Feb.24-March 24 bid lettings, please download and utilize the Expedite software. We encourage you to also download the AASHTOWare Project Bids software and obtain new Digital IDs.

This notice supersedes all previous notices. This prequalification will expire on **January 31, 2018**. You must file a new application 17 days prior to that time to remain current. It is the contractor's sole responsibility to obtain and file the necessary forms each year prior to expiration. Renewals can now be made on the Internet, please see instructions at <http://vupweb.dot.state.co.us/gm/folder-1.11.61411?originalContext=1.11.61976>.

Regards,

A handwritten signature in black ink that reads "Peter Avbenake".

Peter Avbenake
Pre-Qualification Administrator

M.A. Concrete Construction, Inc.
2323 River Road
Grand Junction, CO 81505

Project Title	I-70B Sewer Main Phase 1
Project Description	New Sewer Line
Company/Entity	Clifton Sanitation
Point of Contact	Brian Wood (970)986-1764
Project Location	I-70B & 32 Road
Project Amount	\$ 1,011,761.00
Project Title	2015 Sewer Line
Project Description	New Sewer Line
Company/Entity	City of Grand Junction
Point of Contact	Justin Vensel (970)256-4017
Project Location	7 th Street
Project Amount	\$ 1,717,352.00
Project Title	2014 Sewer Line
Project Description	Sewer Line Replacement
Company/Entity	City of Grand Junction
Point of Contact	Justin Vensel (970)256-4017
Project Location	1 st Street
Project Amount	\$ 1,345,718.00

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned _____
M.A. Concrete Construction, Inc _____, a _____ Corporation
organized under the laws of the State of _____ CO _____, hereinafter
referred to as the "Contractor" and Western Surety Company
_____, a corporation organized under the laws of the State of _____ SD
_____, and authorized and licensed to transact business in the State of
Colorado, hereinafter referred to as the "Surety," are held and firmly bound unto the City
of Grand Junction, Colorado, hereinafter referred to as the "City", in the penal sum of
One Million Three Hundred Forty Seven Thousand Nine Hundred Seventy Dollars and 00/100
_____ dollars (\$ 1,347,970.00 _____), lawful money of the United
States of America, for the payment of which sum the Contractor and Surety bind
themselves and their heirs, executors, administrators, successors and assigns, jointly
and severally by these presents.

WHEREAS, the above Contractor has on the 2nd day of March,
2017, entered into a written contract with the City for furnishing all labor, materials,
equipment, tools, superintendence, and other facilities and accessories for the
construction of 2017 Sewer Line Replacement Project Phase A IFB-4326-17-DH
_____ (the "Project") and Contract No. _____, if appropriate, in
accordance with the Contract, Special Conditions, Special Provisions, General Contract
Conditions, Contract Drawings, Specifications and all other Contract Documents
therefor which are incorporated herein by reference and made a part hereof, and are
herein referred to as the "Contract".

NOW, THEREFORE, the conditions of this performance bond are such that if the
Contractor:

1. Promptly and faithfully observes, abides by and performs each and every
covenant, condition and part of said Contract, including, but not limited to,
its warranty provisions, in the time and manner prescribed in the Contract,
and
2. Pays the City all losses, damages (liquidated or actual, including, but not
limited to, damages caused by delays in performance of the Contract),
expenses, costs and attorneys' fees, that the City sustains resulting from
any breach or default by the Contractor under the Contract,
- 3.

then this bond is void; otherwise, it shall remain in full force and effect.

IN ADDITION, if said Contractor fails to duly pay for any labor, materials, team hire, sustenance, provisions, provender, or any other supplies used or consumed by said Contractor or its subcontractors in its performance of the Work contracted to be done or fails to pay any person who supplies rental machinery, tools, or equipment, all amounts due as the result of the use of such machinery, tools or equipment in the prosecution of the work, the Surety shall pay the same in an amount not exceeding the amount of this obligation, together with interest at the rate of eight percent per annum.

PROVIDED FURTHER, that the said Surety, for value received, hereby stipulates and agrees that any and all changes in the Contract or compliance or noncompliance with the formalities in the Contract for making such changes shall not affect the Surety's obligations under this bond and the Surety hereby waives notice of any such changes. Further, Contractor and Surety acknowledge that the penal sum of this bond shall increase in accordance with approved changes to the Contract Documents without obtaining the Surety's consent up to a maximum of 20 percent of the penal sum. Any additional increases in the penal sum shall require the Surety's consent.

IN WITNESS WHEREOF, said Contractor and said Surety have executed these presents as of this 8th day of March, 2017.

CONTRACTOR: M. A. Concrete Construction, Inc.

By: [Signature]

Title: Project Manager

ATTEST: [Signature]

Secretary

SURETY: Western Surety Company

By: [Signature]

Title: Tina Marie Post Attorney-in-Fact

(Accompany this Bond with the attorney-in-fact's authority from the surety to execute this Bond, certified to include the date of the Bond.)

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned _____
 M. A. Concrete Construction, Inc. _____, a _____ Corporation organized
 under the laws of the State of _____ CO _____, hereinafter referred to as the
 "Contractor" and Western Surety Company _____
 _____, a corporation organized under the laws of the State of _____ SD
 _____, and authorized and licensed to transact business in the State of Colorado,
 hereinafter referred to as the "Surety," are held and firmly bound unto the City of Grand
 Junction, Colorado, hereinafter referred to as the "City," in the penal sum of _____
 One Million Three Hundred Forty Seven Thousand Nine Hundred Seventy Dollars and 00/100
 _____ dollars (\$1,347,970.00 _____), lawful money of the United
 States of America, for the payment of which sum the Contractor and Surety bind
 themselves and their heirs, executors, administrators, successors and assigns, jointly
 and severally, firmly by these presents.

WHEREAS, the above Contractor has on the 2nd day of March,
2017, entered into a written contract with the City for furnishing all labor, materials,
 equipment, tools, superintendence, and other facilities and accessories for the
 construction of 2017 Sewer Line Replacement Project Phase A IFB-4326-17-DH
 _____ (the "Project") and Contract No. _____, if appropriate, in
 accordance with the Contract, Special Conditions, Special Provisions, General Contract
 Conditions, Contract Drawings, Specifications and all other Contract Documents
 therefor which are incorporated herein by reference and made a part hereof, and are
 herein referred to as the "Contract".

NOW, THEREFORE, the condition of this payment bond obligation is such that if
 the Contractor shall at all times promptly make payments of all amounts lawfully due to
 all persons supplying or furnishing it or its subcontractors with labor, materials, rental
 machinery, tools or equipment, used or performed in the prosecution of work provided
 for in the above Contract and shall indemnify and save harmless the City to the extent
 of any and all payments in connection with the carrying out of such Contract which the
 City may be required to make under the law, and for all losses, damages, expenses,
 costs, and attorneys' fees incurred by the City resulting from the failure of the Contractor
 to make the payments discussed above, then this obligation shall be null and void,
 otherwise, it shall remain in full force and effect.

PROVIDE FURTHER, that the said Surety, for value received, hereby stipulates and agrees that any and all changes in the Contract Documents, or compliance or noncompliance with the formalities in the Contract for making such changes shall not affect the Surety's obligations under this bond and the Surety hereby waives notice of any such changes. Further, Contractor and Surety acknowledge that the penal sum of this bond shall increase or decrease in accordance with approved changes to the Contract Documents without obtaining the Surety's consent up to a maximum of 20 percent of the penal sum. Any additional increases in the penal sum shall require the Surety's consent.

IN WITNESS WHEREOF, said Contractor and said Surety have executed these presents as of this 8th day of March, 2017.

CONTRACTOR: M.A. Concrete Construction, Inc.

By: [Signature]

Title: Project Manager

ATTEST: [Signature]
Secretary

SURETY: Western Surety Company

By: [Signature]

Title: Tina Marie Post Attorney-in-Fact

(Accompany this Bond with the attorney-in-fact's authority from the surety to execute this Bond, certified to include the date of the Bond.)

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Evan E Moody, Karen A Feggstad, Tina Marie Post, Bradley J Moody, David Dondlinger, Individually

of Denver, CO, its true and lawful Attorney(s) in Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 21st day of November, 2016.

WESTERN SURETY COMPANY

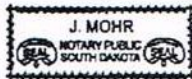


Paul T. Bruflat
Paul T. Bruflat, Vice President

State of South Dakota }
County of Minnehaha } ss

On this 21st day of November, 2016, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota, that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument: that he knows the seal of said corporation, that the seal affixed to the said instrument is such corporate seal, that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation

My commission expires
June 23, 2021



J. Mohr
J. Mohr, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 2nd day of March 2017.



WESTERN SURETY COMPANY

L. Nelson
L. Nelson, Assistant Secretary

Authorizing By-Law

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, and Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

2/14/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Moody-Valley Insurance Agency 760 Horizon Drive, Suite 302 Grand Junction CO 81506		CONTACT NAME: Tina Post PHONE (A/C, No, Ext): (970) 248-8300 E-MAIL ADDRESS: tina.post@moodyins.com FAX (A/C, No): (970) 242-1894	
INSURED M. A. Concrete Construction, Inc. P. O. Box 1968 Grand Junction CO 81502		INSURER(S) AFFORDING COVERAGE INSURER A: BITCO Insurance Companies INSURER B: Continental Insurance Company INSURER C: Pinnacol Assurance INSURER D: INSURER E: INSURER F:	
		NAIC # 35289 41190	

COVERAGES **CERTIFICATE NUMBER:** 16/17 Client portal **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:		CLP3646434	12/1/2016	12/1/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMPI/OP AGG \$ 2,000,000 Employee Benefits \$ 1,000,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS		CAP3646432	12/1/2016	12/1/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Medical payments \$ 5,000
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000		CUP2810945	12/1/2016	12/1/2017	EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ EACH OCCURRENCE \$ 3,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N/A	4195192	9/1/2016	9/1/2017	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Project: 2017 Sewer Line Replacement Project Phase A IFB-4326-17-DH

CERTIFICATE HOLDER

City of Grand Junction
 250 N 5th Street
 Grand Junction, CO 81501

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Tina Post/TINPOS

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