

Purchasing Division

Invitation for Bid

IFB-5458-24-DD

2024 Sewer Replacement – Bahamas Way and 22nd & Gunnison Avenue

Responses Due:

July 10th 2024, Prior to 11:00 AM

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

www.bidnetdirect.com/colorado

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

NOTE: All City solicitation openings will continue to be held virtually.

Purchasing Representative:

Dolly Daniels, Senior Buyer dollyd@gicity.org 970-256-4048

Invitation for Bids

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1. Instructions to Offerors

NOTE: It is the Contractor's responsibility to read and review all solicitation documentation in its entirety, and to ensure that they have a clear and complete understanding of not only the scope, specifications, project requirements, etc., but also all other requirements, instructions, rules, regulations, laws, conditions, statements, procurement policies, etc. that are associated with the solicitation process and project/services being solicited.

1.1 Issuing Office: This Invitation for Bid (IFB) is issued by the City of Grand Junction. All contact regarding this IFB is to be directed to:

Dolly Daniels; Senior Buyer dollyd@gjcity.org

With the exception of Pre-Bid or Site Visit Meeting(s) all questions, inquiries, comments, or communication pertaining to this solicitation (whether process, specifications, scope, etc.) must be directed (in writing) to the Purchasing Agent. Other communication may result in disqualification.

- 1.2 Non-Mandatory Pre-Bid Meeting: Prospective Offerors are encouraged to attend a non-mandatory pre-bid meeting on Tuesday, June 18, 2024, at 3:00 PM. Meeting location shall be in the City Hall Auditorium located at 250 N 5th St, Grand Junction CO 81501. The purpose of this visit will be to inspect and to clarify the contents of this Invitation for Bids (IFB).
- 1.3 Purpose: The City of Grand Junction is soliciting competitive bids from qualified and interested companies for all labor, equipment, and materials required for the 2024 Sewer Replacement at selected sites requiring repair Bahamas Way and 22nd & Gunnison Avenue. This construction is required to repair failing sanitary sewer pipe and manholes. All dimensions and Scope of Work should be verified by Contractors prior to submission of bids.
- 1.4 Prequalification Requirement: Contractors submitting bids over \$500,000 must be prequalified in accordance with the City's "Contractors Prequalification Application". All bids received by the specified time will be opened, but the City will reject bids over \$500,000 from Contractors who have not been prequalified. Application forms for prequalification are available by clicking the Application Link Call 970-256-4082 for additional information. Due to the time required to process applications, all applications must be submitted no later than the application due date stated in the solicitation document. Contractors may view its approved pre-qualified categories by clicking the Pre-Qualification List Link.
- **1.5 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 its authorized representative.

- **1.6 Compliance:** All Offerors, by submitting a bid, agree to comply with all conditions, requirements, and instruction of this IFB as stated or implied herein. Should the Owner omit anything which is necessary to clear understanding of the requirements, or should it appear that various instructions are in conflict, the Offeror(s) shall secure instructions from the Purchasing Agent prior to submittal deadline.
- **1.7 Procurement Process:** The most current version of the City of Grand Junction <u>Purchasing Policy and Procedure Manual</u> is contacting.
- **1.8 Submission:** See Section 4.0 for preparation and Submittal Terms. Bids shall be formatted as directed in Section 4.0. Submittals that fail to follow this format may be ruled non-responsive.

<u>Bid Opening 2024 Sewer Replacement – Bahamas Way & 22nd & Gunnison Avenue</u> Jul 10, 2024, 11:00 – 11:30 AM (America/Denver)

Please join my meeting from your computer, tablet or smartphone.

https://meet.goto.com/992475165

You can also dial in using your phone.

Access Code: 992-475-165 United States: +1 (312) 757-3121

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- **1.9 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.
- **1.10** 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 Offeror.

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.

- **1.11 Exclusions:** No oral, telephonic, emailed, or facsimile bid will be considered.
- **1.12 Contract Documents:** The complete IFB and Offeror's response compose the Contract Documents. Copies of bid documents can be obtained from the City Purchasing website, https://co-grandjunction.civicplus.com/501/Purchasing-Bids.
- **1.13 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 Purchasing Bids page at https://co-grandjunction.civicplus.com/501/Purchasing-Bids.
- **1.14 Definitions and Terms:** See Article I, Section 3 of the General Contract Conditions in the *Standard Contract Documents for Capital Improvements Construction*.
- 1.15 Examination of Specifications: Offerors 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 its 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 itself with local conditions that may in any manner affect cost, progress, or performance of the Work;
 - c. Study and carefully correlate Offeror's observations with the *Contract Documents*, and;
 - d. Notify the Purchasing Agent of all conflicts, errors, ambiguities, or discrepancies in or among the *Contract Documents* within the designated inquiry period.

On request, the Owner will provide each Offeror access to the site to conduct such investigations and tests as each Offeror 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 Offerors, 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.

- **1.16** Questions Regarding Statement of Work: Any information relative to interpretation of Scope of Work or specifications shall be requested of the Purchasing Agent, in writing, in ample time, prior to the inquiry deadline.
- 1.17 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 https://co-grandjunction.civicplus.com/501/Purchasing-Bids. The Owner is not bound by any oral representations, clarifications, or changes made in the written specifications by Owner, unless such clarification or change is provided in written addendum form from the City Purchasing Representative.
- **1.18 Taxes:** The Owner is exempt from State, County, and Municipal Sales Tax and Federal Excise Tax, therefore, all fees/bids should not include taxes.
- 1.19 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, Section XVI "Taxes". Bids shall reflect this method of accounting for sales and use taxes on materials, fixtures, and equipment.
- **1.20** 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 Offeror, upon request of the Purchasing Agent, agrees to an extension.

- 1.21 Exceptions and Substitutions: All bids meeting the intent of this IFB shall be considered for award. An Offeror taking exception to the specifications does so at the Offeror's risk. The Owner reserves the right to accept or reject any or all substitutions or alternatives. When offering substitutions and/or alternatives, Offeror must state any exception(s) in the section to which the exception(s) pertain. Exception/substitution, if accepted, must meet or exceed the stated intent and/or specifications. The absence of stated exception(s) indicates that the Offeror has not taken exception, and if awarded a Contract shall hold the Offeror responsible to perform in strict accordance with the specifications or scope of the bid and Contract Documents.
- 1.22 Collusion Clause: Each Offeror 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 Offerors. The Owner may, or may not, accept future bids for the same Work or commodities from participants in such collusion.
- **1.23 Disqualification of Offerors:** A Bid will not be accepted from, nor shall a Contract be awarded to, any person, Contractor, 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.

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

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

- a. More than one Bid is submitted for the same Work from an individual, Contractor, or corporation under the same or different name: and
- b. Evidence of collusion among Offerors. Any participant in such collusion shall not receive recognition as an Offeror for any future Work of the Owner until such participant has been reinstated as a qualified Offeror.
- **1.24 Public Disclosure Record:** If the Offeror has knowledge of its employee(s) or subcontractors having an immediate family relationship with an Owner employee or elected official, the Offeror must provide the Purchasing Agent with the name(s) of the individuals. The individuals are required to file a "Public Disclosure Record", a statement of financial interest, before conducting business with the Owner.

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 Owner, shall constitute an enforceable agreement equally binding between the Owner and Contractor. The Contract represents the entire and integrated agreement between the Owner and the Contractor and supersedes all prior negotiations, representations, or agreements, either written or oral including the bid

- documents. The Contract may be amended or modified with Change Orders, Field Orders, or Addendums.
- **2.2. The Work:** The term Work includes all labor necessary to produce the construction required by the Contract Documents, and all materials and equipment incorporated or to be incorporated in such construction.
- 2.3. Execution, Correlation, Intent, and Interpretations: The Contract Documents shall be signed by the Owner and Contractor. By executing the Contract, the Contractor represents that it has familiarized itself with the local conditions under which the Work is to be performed and correlated its observations with the requirements of the Contract Documents. The Contract Documents are complementary, and what is required by anyone, shall be as binding as if required by all. The intention of the Contract Documents is to include all labor, materials, equipment, services, 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 Owner are, and shall remain, Owner property. It is not to be used on any other project.
- 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 its 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 itself generally with the progress and quality of Work and to determine, in general, if the Work is proceeding in accordance Based on such observations and the Contractor's with the Contract Documents. 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 its reasonable opinion, it considers it necessary or advisable to ensure the proper implementation of the intent of the Contract Documents, it 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 its 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 its 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 it 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 its authorized representative.

- 2.7. Award of Sub-Contractors & Other Contracts for Portions of the Work: Contractor shall submit with its 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 its 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 its 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 Purchasing Agent 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 its best skill and attention. It 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 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 its 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, including the City, bearing on the performance of the Work. If the Contractor observes that any of the Contract Documents are at variance in any respect, it shall promptly notify the Purchasing Agent in writing, and any necessary changes shall be adjusted. 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, it shall assume full responsibility and shall bear all costs attributable to the non-conforming Work.
- **2.13.** Responsibility for Those Performing the Work: The Contractor shall be responsible to the Owner for the acts and omissions of all its employees and all sub-contractors, its 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 its operations. At the completion of Work, it shall remove all its waste materials and rubbish from and about the project, as well as all its tools, construction equipment, machinery, and surplus materials.
- 2.16. Insurance Requirements: The selected Contractor agrees to procure and maintain, at its own cost, policy(s) of insurance sufficient to insure against all liability, claims, demands, and other obligations assumed by the Contractor pursuant to the Contract. Such insurance shall be in addition to any other insurance requirements imposed by this Contract or by law. The Contractor shall not be relieved of any liability, claims, demands,

or other obligations assumed pursuant to the Contract by reason of its failure to procure or maintain insurance in sufficient amounts, durations, or types.

Contractor shall procure and maintain and, if applicable, shall cause any Sub-contractor of the Contractor to procure and maintain insurance coverage listed below. Such coverage shall be procured and maintained with forms and insurers acceptable to Owner. All coverage shall be continuously maintained to cover all liability, claims, demands, and other obligations assumed by the Contractor pursuant to the Contractor. In the case of any claims-made policy, the necessary retroactive dates and extended reporting periods shall be procured to maintain such continuous coverage. Minimum coverage limits shall be as indicated below unless specified otherwise in the Special Conditions:

- (a) Worker Compensation: Contractor shall comply with all State of Colorado Regulations concerning Workers' Compensation insurance coverage.
- (b) General Liability insurance with minimum limits of:

ONE MILLION DOLLARS (\$1,000,000) each occurrence and ONE MILLION DOLLARS (\$1,000,000) per job aggregate.

The policy shall be applicable to all premises, products, and completed operations. The policy shall include coverage for bodily injury, broad form property damage (including completed operations), personal injury (including coverage for contractual and employee acts), blanket contractual, products, and completed operations. The policy shall include coverage for explosion, collapse, and underground (XCU) hazards. The policy shall contain a severability of interests' provision.

(c) Comprehensive Automobile Liability insurance with minimum limits for bodily injury and property damage of not less than:

ONE MILLION DOLLARS (\$1,000,000) each occurrence and ONE MILLION DOLLARS (\$1,000,000) aggregate

(d) Professional Liability & Errors and Omissions Insurance policy with a minimum of:

ONE MILLION DOLLARS (\$1,000,000) per claim

This policy shall provide coverage to protect the City against liability incurred as a result of the professional Services performed as a result of responding to this Solicitation.

With respect to each of Contractors owned, hired, or non-owned vehicles assigned to be used in performance of the Work. The policy shall contain a severability of interest provision.

2.16.1 Additional Insured Endorsement: The policies required by paragraphs (b), and (c) above shall be endorsed to include Grand Junction, its Elected and Appointed Officials, Employees and Volunteers as Additional Insured. Every required policy above shall be primary insurance, and any insurance carried by the Owner, its officers, or its employees, or carried by or provided through any insurance pool of the Owner, shall be excess and not contributory insurance to that provided by the Contractor. The

Contractor shall be solely responsible for any deductible losses under any policy required above.

- 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 by and/or against the Owner growing out of or under the performance.
- 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 Offeror to notify the Owner immediately if materials specified are discontinued, replaced, or not available for an extended period of time.
- 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 Offeror to satisfy the City of its ability to complete the Work within the Contract time set forth in the Contract Documents. The Contract time is the period of time allotted in the Contract Documents for completion of the Work. The date of commencement of the Work is the date established in a Notice to Proceed. If there is no Notice to Proceed, it shall be the date of the Contract, or such other date as may be established therein, or as established as entered on the Bid Form. The Date of Final Completion of the Work is the date certified by the Owner when all construction, and all other Work associated to include, but not be limited to: testing, QA/QC, receipt of required reports and/or forms, grant requirements (if applicable), punch list items, clean-up, receipt of drawings and/or as-builts, etc., is fully complete, and in accordance with the Contract Documents.
- **2.20. Progress & Completion:** The Contractor shall begin the Work on the Commencement Date as noted on the Notice to Proceed and perform the Work expeditiously with adequate forces to complete the Work within the Contract time/by the Completion date.
- 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 it 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 Offeror 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 Contact is awarded, the apparent successful Offeror 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 Offeror 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. The bonds shall remain in effect for the duration of the Warranty Period (as specified in the Special Conditions). Contractor shall also furnish other bonds as required by the Special Conditions. All bonds shall be in the forms prescribed by the Contract Documents and be executed by such sureties as (1) are licensed to conduct business in the State of Colorado and (2) are named in the current list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 (amended) by the Audit Staff, Bureau of Accounts, U.S. Treasury Department. All bonds signed by an agent must be accompanied by a certified copy of the Authority Act. If the surety on any bond furnished by the Contractor is declared bankrupt, or becomes insolvent, or its rights to do business in Colorado are terminated, or it ceases to meet the requirements of clauses (1) and (2) of this section, Contractor shall within five (5) days thereafter substitute another bond and surety, both of which shall be acceptable to the City.
- 2.24. Retention: The Owner will deduct money from the partial payments in amounts considered necessary to protect the interest of the Owner and will retain this money until after completion of the entire Contract. The amount to be retained from partial payments will be five (5) percent of the value of the completed Work, and not greater than five (5) percent of the amount of the Contract. When the retainage has reached five (5) percent of the amount of the Contract no further retainage will be made and this amount will be retained until such time as final payment is made.
- 2.25. Liquidated Damages for Failure to Enter Into Contract: Should the Successful Offeror 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 Offeror's Bid Guaranty as Liquidated Damages, not as a penalty but in consideration of the mutual release by the City and the Successful Offeror of all claims arising from the City's issuance of the Notice of Award and the Successful Offeror's failure to enter into the Contract and the costs to award the Contract to any other Offeror, to readvertise, or otherwise dispose of the Work as the City may determine best serves its interest.
- 2.26. Liquidated Damages for Failure to Meet Project Completion Schedule: If the Contractor does not achieve Final Completion by the required date, whether by neglect, refusal or any other reason, the parties agree and stipulate that the Contractor shall pay liquidated damages to the City for each such day that final completion is late. As provided elsewhere, this provision does not apply for delays caused by the City. The date for Final Completion may be extended in writing by the Owner.

The Contractor agrees that as a part of the consideration for the City's awarding of this Contract liquidated damages in the daily amount of \$750.00 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 fully complete. Final Completion date is the date by which the Contractor shall have fully completed all clean-up, and all items that were identified by the City in the inspection for final completion. Unless otherwise stated in the Special Conditions, for purposes of this liquidated damages clause, the Work shall not be finished, and the Contract time shall continue to accrue until the City gives its written Final Acceptance.

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

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

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

2.27. Contingency/Force Account/Minor Contract Revisions: Contingency/Force Account/Minor Contract Revisions 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/Minor Contract Revisions Authorization will be directed by the Owner through an approved form. Contingency/Force Account/Minor Contract Revisions funds are the property of the Owner and any Contingency/Force

Account/Minor Contract Revisions funds, not required for project completion, shall remain the property of the Owner. Contractor is not entitled to any Contingency/Force Account/Minor Contract Revisions 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 it 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, it shall restore, at its 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, it 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 discovery 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, it 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.

- **2.34** 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.
- **2.35 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.
- 2.36 Compliance with Laws: Offers must comply with all Federal, State, County, and local laws governing the Work and the fulfillment of the Work for and on behalf of the public. Contractor hereby warrants that it is qualified to assume the responsibilities and render the Work described herein and has all requisite corporate authority and professional licenses in good standing required by law.
- **2.37 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.
- **2.38 Conflict of Interest:** No public official and/or City/County employee shall have interest in any Contract resulting from this Invitation for Bid.
- **2.39 Contract Termination**: This Contract shall remain in effect until any of the following occurs: (1) Contract expires; (2) completion of Work; (3) final acceptance of Work 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 at least thirty (30 days past notification.
- **2.40 Employment Discrimination:** During the performance of any services per agreement with the Owner, the Contractor, by submitting a Bid, agrees to the following conditions:

- 2.40.1 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.
- 2.40.2 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.
- 2.40.3 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.
- **2.41 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 Section 9 "Affirmative Action/EEO.
- **2.42.** Immigration Reform and Control Act of 1986 and Immigration Compliance: The Contractor certifies that it does not and will not during the performance of the Contract employ workers without authorization or otherwise violate the provisions of the Federal Immigration Reform and Control Act of 1986 and/or laws regulating immigration compliance.
- **2.43. 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.
- **2.44.** Failure to Deliver: In the event of failure of the Contractor to perform in accordance with the Contract Documents, the Owner, after due oral or written notice, may procure the Work from other sources and hold the Contractor responsible for any costs resulting in additional Work, materials and/or administration services necessary to perform the Work. This remedy shall be in addition to any other remedies that the Owner may have.
- 2.45. 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 of the Contract Documents at any time in accordance with the terms thereof.
- **2.46.** 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.
- 2.47. 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, 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.

2.48. 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;
- 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.

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

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

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

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

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

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

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

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

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

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

2.50. 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 Offeror which will be accompanied by a Contract electronically submitted via DocuSign for digital signature. Within ten (10) Calendar Days thereafter, the Successful Offeror shall sign and deliver the digitally executed Contract via DocuSign. Performance Bond, Payment Bond, and

Certificate of Insurance shall be submitted to the City within ten (10) days of Contract execution. No Contract shall exist between the Successful Offeror and the City and the Successful Offeror shall have no rights at law or in equity until the Contract has been duly executed by the City.

The Successful Offeror'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 Offeror in the same manner as previously prescribed.

- **2.51. Ownership:** All plans, prints, designs, concepts, etc., shall become the property of the Owner.
- **2.52. 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.
- **2.53.** 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 claims, damages, awards and/or costs of defense arising on the grounds of patent(s)/copyright(s) infringement. Patent/copyright infringement shall null and void any agreement resulting from response to this Invitation For Bid.
- **2.54. Remedies**: The Contractor and Owner agree that both parties have all rights, duties, and remedies available as stated in the Uniform Commercial Code.
- **2.55. Governing Law**: Any agreement as a result of responding to this Invitation For Bid 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.
- **2.56.** Expenses: Expenses incurred in preparation, submission, and presentation of a response to this Invitation For Bid are the responsibility of the Offeror and cannot be charged to the Owner.
- **2.57. Sovereign Immunity:** The Owner specifically reserves its right to sovereign immunity pursuant to Colorado law as a defense to any action arising out of this Contract.
- 2.58. Public Funds/Non-Appropriation of Funds: Funds for payment have been provided through the Owner's budget approved by the City Council/Board of County Commissioners for the stated fiscal year only. State of Colorado prohibits the obligation and expenditure of public funds beyond the fiscal year for which a budget has been approved. Therefore, anticipated orders or other obligations that may arise past the end of the stated Owner's fiscal year shall be subject to budget approval. The Contract, if any, will be subject to and must contain a non-appropriation of funds clause/limitation on multi-year fiscal obligations as required by Art X, Section 20 of the Colorado Constitution, and other applicable law(s).
- **2.59.** 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 its own awards on its respective Purchase Orders through its purchasing office or use its purchasing card for purchase/payment as authorized or agreed upon between the provider and the individual entity. The Owner accepts no liability for payment of orders placed by other participating jurisdictions that choose to "piggy-back" on Owner's solicitation. Orders placed by participating jurisdictions under the terms of this solicitation will indicate its specific delivery and invoicing instructions.

2.60. Keep Jobs in Colorado Act: Contractor shall be responsible for ensuring compliance with Article 17 of Title 8, Colorado Revised Statutes (C.R.S.) 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, C.R.S. 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).

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

3. Statement of Work

3.1 GENERAL: The City of Grand Junction is soliciting competitive bids from qualified and interested Contractors for all labor, equipment, and materials required for the 2024 Sewer Replacement – Bahamas Way and 22nd & Gunnison Avenue.

3.2. PROJECT DESCRIPTION:

• Bahamas Way: Remove and replace 8" VCP with 1519 lineal feet of 8" PVC. Replace 6 Manholes, elimination of 2 manholes. Two spot repairs are needed in the vicinity of the Paradise Hills subdivision.

- 22nd Street & Gunnison Ave: Remove & replace of 283 lineal feet of 8" RCP with 8" PVC and one manhole.
- Included is bypass pumping, replacing manholes, asphalt "T" patches and replacing disturbed irrigation piping, fencing, curbs.

3.3. SPECIAL CONDITIONS & PROVISIONS:

3.3.1 Non-Mandatory Pre-Bid Meeting: Prospective Offerors are encouraged to attend a non-mandatory pre-bid meeting on Tuesday, June 18, 2024, at 3:00 PM. Meeting location shall be in the City Hall Auditorium located at 250 N 5th St, Grand Junction CO 81501. The purpose of this visit will be to inspect and to clarify the contents of this Invitation for Bids (IFB).

3.3.2 QUESTIONS REGUARDING SOLICIATION PROCESS/SCOPE OF WORK:

Dolly Daniels; Senior Buyer City of Grand Junction dollyd@gicity.org

3.3.3 Project Manager: The Project Manager for the Project is Toby Thieman, Project Engineer, who can be reached at (970) 712-2757. <u>During Construction</u>, 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 Attn: Toby Thieman, Project Manager 244 North 7th Street Grand Junction, CO 81501

3.3.4 Contract Administrator: The Contract Administrator for the Project is Duane Hoff Jr., Contract Administrator, who can be reached at (970)244-1545. <u>During Construction</u>, Contract related inquiries, issues, and other communications shall be directed to:

Duane Hoff Jr., Contract Administrator duaneh@gicity.org

- **3.3.5 Pre-Qualification:** Contractors are required to be pre-qualified for this Project. Since this Project is estimated to be greater than \$500,000, Contractors must be prequalified in the following categories to submit a bid response for this Project:
 - 3A Sewer Pipes and Manholes
- **3.3.6 Affirmative Action:** The Contractor is not required to submit a written Affirmative Action Program for this Project.
- 3.3.7 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.

3.3.8 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.

- 3.3.9 Contract: A binding Contract shall consist of: (1) the IFB and any amendments thereto, (2) Additional Documents as stated in Section 1.10, (3) the Offeror's response (bid) to the IFB, (4) clarification of the bid, if any, and (5) 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 Offeror and the City Purchasing Division or by a modified Purchase Order prior to the effective date of such modification. The Offeror 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.
- **3.3.10 Time of Completion:** The scheduled time of Completion for the Project is **80 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.

3.3.11 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, Monday through Friday.

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

3.3.13 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:

- Mesa County Stormwater Permit if necessary
- Mesa County Dewatering Permit if necessary
- City of Grand Junction Right-of-Way Permit where necessary
- **3.3.14 City Furnished Materials:** The City will furnish the following materials for the Project:
 - Door Hangers
- **3.3.15 Project Sign:** Project Signs, if any, will be furnished and installed by the City.
- 3.3.16 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 will be responsible for notifying all businesses and / or residents located adjacent to the work. Door hanger notifications shall be distributed at least two (2) working days prior to the day the work is scheduled to begin.

- **3.3.17 Authorized Representatives of the City:** Those authorized to represent the City shall include Purchasing Agent, Engineers, and Inspectors employed by the City, only.
- **3.3.18 Stockpiling Materials and Equipment:** All stockpiling/storage shall be in accordance with General Contract Condition Section 51.
- **3.3.19 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 (MUTCD). A Traffic Control Plan shall be prepared by the Contractor and reviewed by the City two (2) days prior to the pre-construction meeting.
 - Bahamas Way can have a closure during work times, and open at nights and weekends.
 - 22nd & Gunnison Ave can a closure on 22nd street during construction and open during nights and weekends.
- **3.3.20 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.

- **3.3.21 Quality Control Testing:** Contractor shall perform Quality Control testing on concrete soil compaction and asphalt densities at least as often as the Quality Assurance frequency states in City Standards UU-3.
- **3.3.22 Quality Assurance Testing:** The City of Grand Junction will perform all other necessary Quality Assurance Testing.
- **3.3.23 Schedule of Submittals:** Contractor shall deliver these submittals at least two days prior to the pre-construction meeting:
 - Traffic Control Plans
 - Project Schedule
 - Pipe material and fittings
 - Manhole Design
 - Corrosion Protection Coating
 - Asphalt Design mix
 - Concrete Design Mix
- **3.3.24 Uranium Mill Tailings:** It is anticipated that radioactive mill tailings will not be encountered on this Project.
- **3.3.25 Fugitive Petroleum or Other Contamination:** It is anticipated that soil contamination from fugitive petroleum or other contaminants will not be encountered with this Project.
- **3.3.26 Excess Material:** All excess materials shall be disposed in accordance with General Contract Condition Section 50.
- **3.3.27 Existing Utilities and Structures:** Utilities were <u>not</u> 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.
- **3.3.28 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.
- **3.3.29 Survey:** The Contractor shall give the City survey crew a minimum of 72 hours' notice for all requested survey.
- 3.3.30 Work to be Performed by the City (Prior to Construction):
 - None
- **3.3.31 Existing Concrete Sidewalks, Pans, Fillets, Curbs, and Gutters:** The existing sidewalks, pans, fillets, curbs, and gutters 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.

3.3.32 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.

3.4 SCOPE OF WORK: This Project has two locations:

- 1.) Removing and replace 1519' of existing sewer line along Bahamas Way including replacement with corrosion protected coating manholes.
- 2.) Remove and replace 283' of 8" RCP Sanitary Sewer pipe and replace with 8" PVC and one Manhole D3-272-023 in 22nd Street.

Included in this Contract is removal of asphalt, milling where replacement of asphalt meets with existing asphalt. All asphalt that is removed with painted traffic control lines or parking lines must be repainted. Sanitary sewer bypass pumping where used will be required to have a representative on site 100% of the time bypassing is occurring. Traffic control & an approved traffic plan is required. Plan on trench boxes and practice OSHA safety. Ground water is expected.

3.5 Attachments (Click on the links):

Attachment A: Plan Set: Bahamas Way

Attachment B: Plan Set: 22nd & Gunnison

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

3.7 IFB TENTATIVE TIME SCHEDULE:

Invitation For Bids available on Non-Mandatory Pre-Bid Meeting Inquiry deadline, no questions after this date Addendum Posted Submittal deadline for proposals City Council Approval (if required) Notice of Award & Contract execution Bonding & Insurance Cert due Preconstruction meeting May 31, 2024
June 18, 2024 3:00 PM
June 25, 2024
July 3, 2024
July 10, 2024, 11:00 AM
July 17, 2024
July 31, 2024
August 14, 2024
August 21, 2024

Work begins no later than Final Completion

Holidays: Labor Day Veterans Day (observed) Thanksgiving Day Day After Thanksgiving Receipt of Notice to Proceed 80 Calendar Days from Notice to Proceed

September 2, 2024 November 11, 2024 November 28, 2024 November 29,2024

4. Contractor's Bid Form

Bid Date:				
Project: IFB-5458-24-DD "2	024 Sewer Replacement – Baha	mas Way a	and 22 nd Street & Gunnisc	on Ave"
Bidding Company:				
Name of Authorized Agent: _				
Email				
Telephone	Address			
City	State		_Zip	
Contract Conditions, Statemer and conditions affecting the p Work for the Project in accord	compliance with the Invitation for nt of Work, Specifications, and any proposed Work, hereby proposes dance with Contract Documents, whoses incurred in performing the Virt.	y and all Ad to furnish a vithin the tin	denda thereto, having inve Il labor, materials and supp ne set forth and at the price	stigated the location of, blies, and to perform all s stated below. These
connection to any person(s) p	does hereby declare and stipula roviding an offer for the same Wor ons to Offerors, the Specifications I.	k, and that i	it is made in pursuance of, a	and subject to, all terms
	nat if awarded the Contract, to pro Submittal of this offer will be take project in its entirety.			
technicalities and to reject any	to make the award on the basis o y or all offers. It is further agreed ne. Submission of clarifications an	that this of	fer may not be withdrawn fo	or a period of sixty (60)
Prices in the bid proposal hav	ve not knowingly been disclosed w	ith another	provider and will not be pri	or to award.
purpose of restricting competi No attempt has been made n restricting competition. The individual signing this bid is legally responsible for the o Direct purchases by the City of The undersigned certifies that City of Grand Junction payme Prompt payment discount of days after the when determining the bid away	d proposal certifies they are a legal offer with regard to supporting doct of Grand Junction are tax exempt to Federal, State, County or Murent terms shall be Net 30 days. percent of the net doll receipt of the invoice. The Owner ard that are no less than Net 10 days.	son or Contal agent of the sumentation from Colora incipal tax was ar will be correserves ays.	tractor to submit a bid proposed to reconstruction and prices provided. The same and prices or Use Tax. Tax will be added to the above question of the right to take into accounts.	present the offeror and exempt No. 98-03544. uoted prices. e invoice is paid within unt any such discounts
and other Contract Document	e undersigned Contractor acknow ts. enda received:	-	eipt of Addenda to the Soli	citation, Specifications,
It is the responsibility of the O	offeror to ensure all Addenda have	been recei	ved and acknowledged.	
By signing below, the Undersi	igned agree to comply with all tern	ns and con	ditions contained herein.	
Company:				
Authorized Signature:				
Title:				

Name & address of Sub-Contractor	Description of Work to be performed	% of Contract

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

The undersigned Offeror 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 Offeror certifies, and in the case of a joint Bid each party thereto certifies as to its 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 Offeror or with any competitor.

Bid Schedule: 2024 Sanitary Sewer Replacement – Bahamas Way and 22nd & Gunnison Ave

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
<u>1</u>	104.2	2-Way Sanitary Sewer Service Cleanout (Includes Cleanout Ring and Cover and Concrete Collar in unpaved areas) (See Std Detail SS-07)	2	EA	\$	\$
<u>2</u>	104.4	Encase Sanitary Sewer Pipe in Concrete per City Specification GU-04 (20' long) (if necessary) 4" Sewer Service Pipe (SDR-35 PVC) (Includes Type A	8	EA	\$	\$
<u>3</u>	108.2	Bedding and Haunching Material, Backfill of Trench with Native Materials meeting 103.16 Earth Backfill	770	LF	\$	\$
<u>4</u>	108.2	material and End-of-Service Cap) 8" Gravity Sewer Pipe (SDR-35 PVC) (Includes cost of connection to the existing sewer pipe and Type A Bedding and Haunchting Material and Backfill of Trench with Class 3 imported Trench Backfill Material)	1,802	LF	\$	\$
<u>5</u>	108.2	Imported Trench Backfill (Class 3) Includes haul & disposal of unsuitable excavated material, Assumed Unit Weight of 133 lb/ft3	80	Tons	\$	\$
<u>6</u>	108.3	Granular Stabilization Material (Type B) includes haul off & disposal of unsuitable excavated material assume 138 lf/ft3	40	Tons	\$	\$
<u>7</u>	108.3	8" x 4" Sewer Service Tap, Full Body WYE (See St. Detail SS-06)	14	EA	\$	\$
<u>8</u>	108.5	Connect to Existing Manhole or Sewer Main	5	EA	\$	\$
<u>9</u>	108.5	Sanitary Sewer Basic Manhole (48" I.D.) (Includes connection of adjacent sewer line, forming inverts and adjusting to final grade. See City Std. Detail SS-02) (Includes Type A Bedding and Haunching Material and Backfill of Trench with Class 3 Imported Trench Backfill Material)	6	EA	\$	\$
<u>10</u>	108.5	Manhole Barrel Section (D>5') (48" I.D.)	26	Vert. Ft.	\$	\$
<u>11</u>	108.5	Sanitary Sewer Basic Drop Manhole (48" I.D.) (Includes connection of adjacent sewer line, forming inverts and adjusting to final grade. See City Std. Detail SS-04) (Includes Type A Bedding and Haunching Material and Backfill of Trench with Class 3 Imported Trench Backfill Material)	1	EA	\$	\$
<u>12</u>	108.5	Manhole Interior Corrosion Protection (100 mils Dry Film Thickness, min.) (includes manhole surface preparation and filling in bug holes and imperfections prior to coating)	55	Vert. Ft.	\$	\$
<u>13</u>	202	Removal of Existing Pipe (Size & type as shown on plans)	1,852	LF	\$	\$
<u>14</u>	202	Removal of Manhole (Remove Manhole Cone Section, Ring, and Cover and deliver to City Shops. Contractor shall fill remaining barrel sections with flow fill material)	2	EA	\$	\$
<u>15</u>	202	Removal of Asphalt Mat (Full Depth)	1,222	SY	\$	\$
<u>16</u>	202	Asphalt Removal (Planing) (Thickness Varies)	579	SY	\$	
<u>17</u>	202	Removal of Sod	150	SF	\$	\$

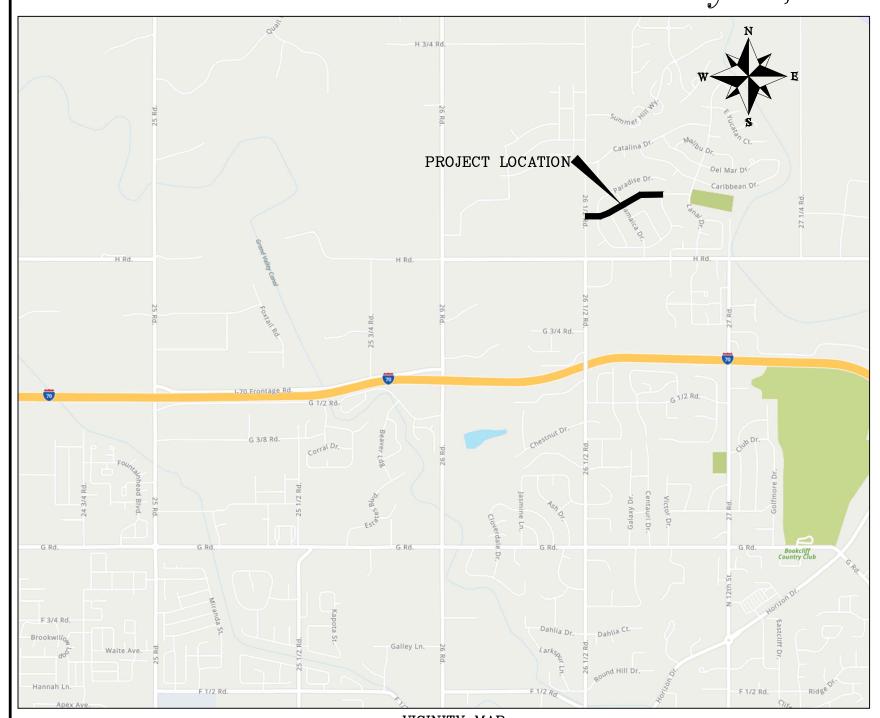
<u>18</u>	202	Removal of Concrete (Includes, but not limited to, curb, gutter, sidewalk, driveway, slabs, V-pans, curb ramps, intersection corners, aprons, landscape borders, and concrete walls)	45	SY	\$ _ \$
<u>19</u>	203	Potholing (as called out on plans)	1	EA	\$ \$
<u>20</u>	208	Storm Drain Inlet Protection (Silt-Sack Style or Approved Equal) (Includes Maintenance & Removal of Debris,& Removal of Inlet Protection)	9	EA	\$ _ \$
<u>21</u>	208	Erosion Control Log	200	LF	\$ _ \$
<u>22</u>	210	Reset Fence (Height and Material Shown on Plan)	100	LF	\$ _ \$
<u>23</u>	210	Reset/Repair Sprinkler System (Complete in Place)	1	EA	\$ \$
<u>24</u>	210	Reset Irrigation Pipe (PVC Irrigation Pipe) (Includes pipe, fittings, equipment, materials & labor to relocate irrigation pipe)	1	EA	\$ _ \$
<u>25</u>	212	Re-Sod Area as Shown (Includes 6" Thick Imported Topsoil placed prior to sod placement)	150	SF	\$
<u>26</u>	304	Aggregate Base Course (Class 6) (12" thick)	1,072	SY	\$. \$
<u>27</u>	304	Aggregate Base Course (Class 6) (6" thick)	150	SY	\$ \$
<u>28</u>	401	Hot Bituminous Pavement (4" Thick) (Grading SX, Binder Grade PG 64-22)(GYR.=75) (Two 2" Lifts) Hot Bituminous Pavement (Patching)(2" Thick)	1,322	SY	\$. \$
<u>29</u>	401	(Grading SX, Binder Grade PG 64-22, GYR.=75) (One 2" Lift Top Mat) (T-Top Patch) (See City Std. Detail GU-03)	576	SY	\$ _ \$
<u>30</u>	608	Monolithic Concrete Curb and Gutter with 6' wide Sidewalk (includes 6" thick Class 6 Aggregate Base course)	10	lf	\$
<u>31</u>	608.06	Concrete Drainage Pan (6' Wide) Manalithia Vartical Curb. Curtor (2 ft mide)	20	SY	\$
<u>32</u>	608/304	Monolithic Vertical Curb, Gutter (2-ft wide)	20	SY	\$
<u>33</u>	Pump	Bypass Sewage Pumping (As deemed necessary by City or Contractor) Dewatering	1	EA	\$
<u>34</u>	211	(Includes acquiring a CDPHE Dewatering Permit and adhering to the discharge requirements of the State Permit) (if needed)	1	Lump Sum	\$ _ \$
<u>35</u>	620	Portable Sanitary Facility	2	Lump Sum	\$ _ \$
<u>36</u>	625	Construction Surveying (Includes As-Built Drawings)	2	Lump Sum	\$ _ \$
<u>37</u>	626	Mobilization	2	Lump Sum	\$ \$
<u>38</u>	630	Traffic Control (includes certified T.C.P., Complete in Place)	2	Lump Sum	\$ \$
<u>39</u>	102.1	Sewer Spot Repair - includes pipe replacement, fittings, at specified locations	2	EA	\$ \$
<u>MCR</u>		Minor Contract Revisions		Bid Amount:	 \$ 100,000.00 \$
					•

Bid Amount:

Dollars

CITY OF GRAND JUNCTION SEWER LINE REPLACEMENT - PARADISE HILLS

January 2, 2024



VICINITY MAP

Grand Junction

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

REVISION A REV 1 REVISION & REV 2 REVISION & REV 3



Public Works Engineering Division

Sheet Index

- 1 Cover Sheet
- 2 Standard Abbreviations, Legend, & Symbols
- 3 Project Control 4-10 Utility Plan and Profile

ABBRE\	<u>VIATIONS</u>
AASHTO ABC	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
AC AP	AGGREGATE BASE COURSE ASBESTOS CEMENT ANGLE POINT
ASB ASP	ANCHORED STRAW BALES
ASTM AWWA	AMERICAN SOCIETY FOR TESTING MATERIALS AMERICAN WATER WORKS ASSOCIATION
BC	BACK OF CURB
BF	BUTTERFLY VALVE
BOW	BACK OF WALK
BCR	BEGIN CURB RETURN
BOT	BOTTOM
BSWMP	BETTER STORM WATER MANAGEMENT PRACTICES
CH	CHORD
CAP	CORRUGATED ALUMINUM PIPE
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION CAST IRON
C,G,& SW @ CL	CURB, GUTTER & SIDEWALK CENTER LINE
CMP CO	CLEAR CORRUGATED METAL PIPE CLEAN OUT
COMB CONC	COMBINATION (AS IN STORM SEWER AND SANITARY SEWER) CONCRETE
CSM	CITY SURVEY MONUMENT
CSP	CORRUGATED STEEL PIPE
CU	COPPER DUCTILE IRON
DWY	DRIVEWAY
E	ELECTRIC
ECR	END CURB RETURN
EG	EDGE OF GUTTER
EL	ELEVATION
EP	EDGE OF PAVEMENT
EX	EXISTING
FB	FULL BODY
FC	FACE OF CURB
FG	FINISHED GRADE
E	FLOW LINE
FL	FLANGE
FM	FORCE MAIN
F0	FIBER OPTICS
FS	FAR SIDE
FTG	FOOTING
G	GAS
GB	GRADE BREAK
GM	GAS METER
GV	GATE VALVE
HBP	HOT BITUMINOUS PAVEMENT
HDPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
IRR	IRRIGATION
L	LENGTH OF ARC
LC	LONG CHORD
LF	LINEAR FEET
LL	LONG ARC
LS	SHORT ARC
LT MB MCSM	LEFT MAILBOX MESA COUNTY SURVEY MONUMENT
MH	MANHOLE
MJ	MECHANICAL JOINT
MW N/A	MILL WRAP
NÍC NOP	NOT APPLICABLE NOT IN CONTRACT NO ONE PERSON
NRCP	NON-REINFORCED CONCRETE PIPE
NS	NEAR SIDE
NTS	NOT TO SCALE
OHP	OVERHEAD POWER
OHT	OVERHEAD TELEPHONE
PC PCC	POINT OF CURVATURE POINT OF COMPOUND CURVATURE
PE	POLYETHYLENE
PERF	PERFORATED
PI PIP	POINT OF INTERSECTION PLASTIC IRRIGATION PIPE
POC POT	POINT ON CURVE POINT ON TANGENT
PR PRC PT	PROPOSED POINT OF REVERSE CURVATURE POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
RG	RESTRAINED GLANDS
RL	LONG RADIUS
ROW	RIGHT OF WAY
RP	RADIUS POINT
RR	RAIL ROAD
RS	SHORT RADIUS
RT	RIGHT
S	NIGHI
SAN	SANITARY
SC	SHORT CHORD
SCD	STANDARD CONTRACT DOCUMENTS
SCH	SCHEDULE
SF	SILT FENCE
SL	SECTION LINE
SSRB	STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION
SSUU STA STL	STANDARD SPECIFICATIONS FOR CONSTRUCTION OF UNDERGROUND UTILITIES STATION STEEL
STM	STORM
T	TELEPHONE
TAN TC	LENGTH OF TANGENT TOP OF CURB
TH	TEST HOLE
TV	TELEVISION
(TYP) UU	TYPICAL UNDERGROUND UTILITIES
VC VCP	VERTICAL CURVE VITRIFIED CLAY PIPE VERTICAL POINT OF CURVATURE
VPCC VPCC VPRC	VENTICAL POINT OF COMPOUND CURVATURE VENTICAL POINT OF REVERSE CURVATURE
VPI VPT	VERTICAL POINT OF CURVATURE VERTICAL POINT OF COMPOUND CURVATURE VERTICAL POINT OF REVERSE CURVATURE VERTICAL POINT OF INTERSECTION VERTICAL POINT OF TANGENCY
w _	WATER DELTA ANGLE

LEGEND BSWMP DRAINAGE BASIN BOUNDARY BSWMP ANCHORED STRAW BALES · ASB ASB ASB ASB ASB ASB ASB ASB BSWMP SILT FENCE BUILDING 2' CURB AND GUTTER CONCRETE CURB AND GUTTER 7' C, G, & SW CONCRETE CURB,GUTTER, & SIDEWALK CONCRETE DITCH CONCRETE SIDEWALK 18" RCP CULVERT EARTH EARTH EARTH DITCH EDGE OF GRAVEL EDGE OF PAVEMENT FENCE (HT & MATL NOTED) * 6' CHAINLINK * GUARD RAIL HATCHING: INDICATES ASPHALT REMOVAL HATCHING: INDICATES CONCRETE REMOVAL HATCHING: INDICATES STAGING AREA LINE (CENTER OF IMPROVEMENTS CENTERLINE CITY LIMITS LINE (CITY LIMITS) LINE (CONTROL) LINE (EASEMENT) MONUMENT/SECTION LINE (MONUMENT/SECTION) LINE (PROPERTY) LINE (RIGHT OF WAY) MATCH LINE MATCH LINE PIPE (IRRIGATION)

PIPE (SIPHON)

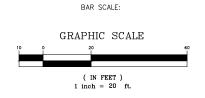
SEE PLAN FOR SCALE INFO

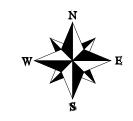
	SED CONCRETE AND GUTTER	
	SED CONCRETE GUTTER,& SIDEWALK	
PROPO SIDEWA	SED CONCRETE	
(CONS)	SED "WET" UTILITIES TRUCTION NOTE WILL TE TYPE, SIZE, AND IAL OF NEW MAIN)	= 8" PVC SANITARY SEWER
SHOWN		NOT SHOWN IN LEGEND WILL BE R EXISTING COUNTERPART, BUT TYPE
RAIL R	OAD	
RETAIN	IING WALL	1' RETAINING WALL
STRIPIN	G (CONTINUOUS WHITE)	WHITE
STRIPIN	NG (DASHED WHITE)	WHITE
STŘÍPIN	G (CONTINUOUS YELLOW	YELLOW YELLOW
STRIPIN	NG (DASHED YELLOW)	YELLOW
TOP O	F SLOPE	
	JR LINES BETWEEN TOP & TOE)	
TOE O	F SLOPE	4570
TRAFFI	C DETECTOR LOOP	[
UTILITY (THIS	'LINE (ABANDON) CASE A WATER LINE)	
UTILITY	LINE (CABLE TV)	тv тv
UTILITY	LINE (ELECTRIC)	ЕЕ
UTILITY	LINE (FIBER OPTIC)	FOFO
UTILITY	LINE (GAS)	c1 1/4" MW 6
	'LINE (HIGH GE OVERHEAD POWER	нvонР
UTILITY (OVERH	'LINE HEAD POWER)	
UTILITY (OVERH	'LINE HEAD TELEPHONE)	OHT
UTILITY (SANIT	'LINE ARY SEWER)	8" SAN
UTILITY (SANITAI	'LINE RY SEWER FORCE MAIN)	8" FM
UTILITY (SANIT	'LINE ARY SEWER SERVICE)	ss
UTILITY (STORM	LINE M SEWER)	8" STM
UTILITY (STORM	'LINE SEWER, PERFORATED)	6" PERF
UTILITY (STORM SEWER	LINE M/SANITARY SEWER COMBINATION)	18" COMB
	LINE (TELEPHONE)	ттт
UTILITY	LINE (WATER)	ww

SYMBOLS

<u>O TIVIDOLO</u>	
BENCH MARK	A
CATCH BASIN	
CLEAN OUT	SSC0
CURB STOP	•
FIRE HYDRANT	ф
GUY WIRE ANCHOR	\rightarrow
HEADGATE	⊞
IRRIGATION PUMP	P
MAILBOX	MB
MANHOLE (ELECTRIC)	Œ
MANHOLE (GAS)	0
MANHOLE (SANITARY/STORM)	0
MANHOLE (TELEPHONE)	T
MANHOLE (TV)	€
MANHOLE (WATER)	w
METER (GAS)	GM O
METER (WATER)	0
PEDESTAL (TELEPHONE)	Δ
PEDESTAL (TV)	Δ^{TV}
PROPERTY PIN	PIN
PULL BOX	
REDUCER FITTING	•
SIGN OR POST (SIGN TYPE NOTED)	+ _{STOP}
SPRINKLER HEAD	8
STREET LIGHT	0-0
SURVEY MONUMENT (CITY)	◆ _{CSM}
SURVEY MONUMENT (TYPE NOTED)	◆ MCSM
TEST HOLE	■ _{TH #1}
TRAFFIC PAINT MARKING	→
TRAFFIC SIGNAL POLE AND MAST ARM	Ø
UTILITY POLE	-0-
VALVE (GAS)	88
VALVE (IRRIGATION)	IRR M
VALVE (WATER)	×
VEGETATION (HEDGE OR BUSH)	\Box
	M
VEGETATION (TREE STUMP)	
VEGETATION (TREE STUMP) VEGETATION (TREE) (CALIPER SIZE NOTED)	<u>.</u> (6)
	6" WH
VEGETATION (TREE) (CALIPER SIZE NOTED)	

NORTH ARROW:





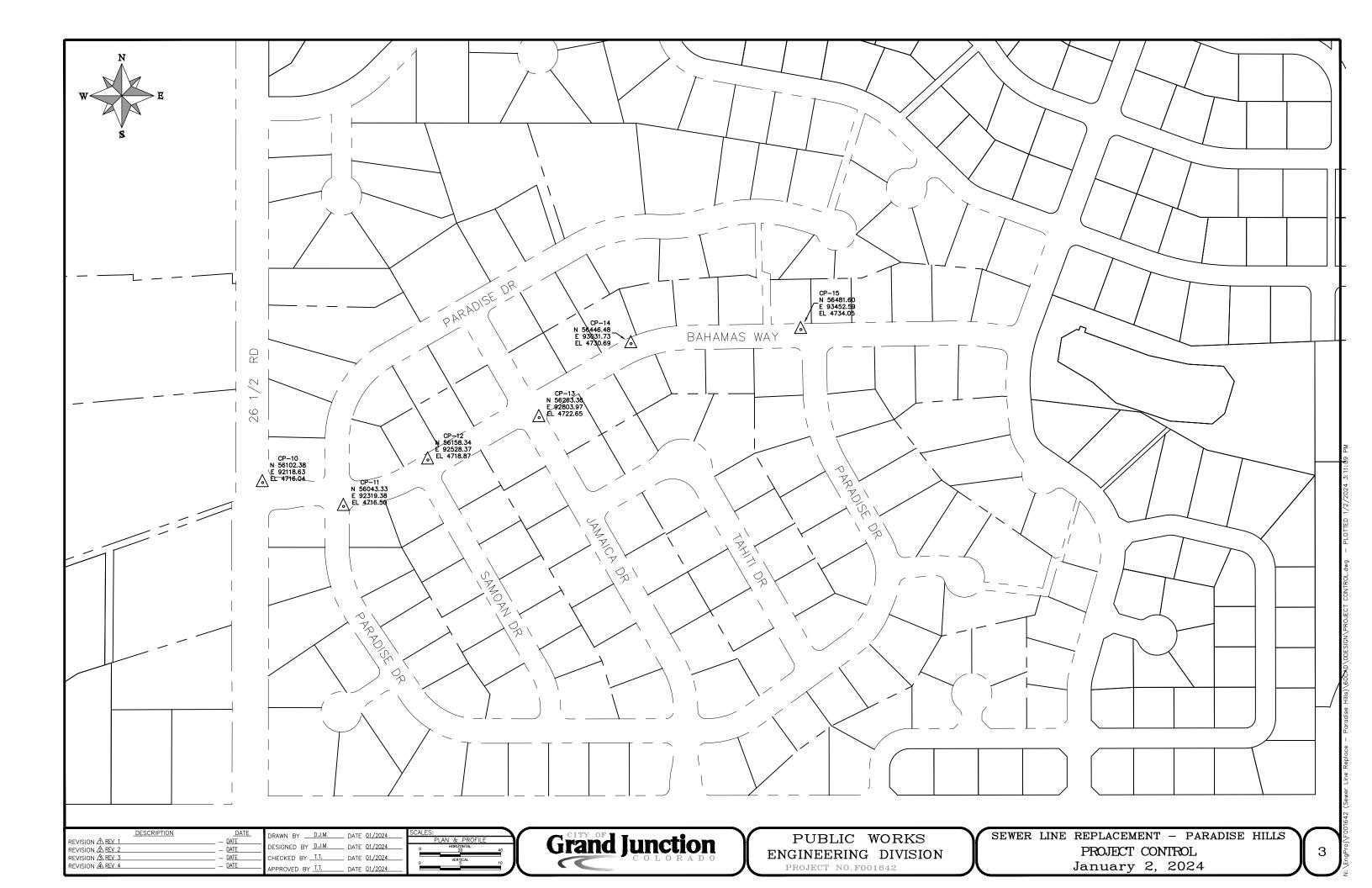
DRAWN BY D.J.M. DATE 01/2024 REVISION A REV 1 DESIGNED BY D.J.M. DATE 01/2024 REVISION & REV 2 REVISION A REV 3 CHECKED BY T.T. DATE 01/2024 REVISION REV 4 DATE APPROVED BY T.T. DATE 01/2024

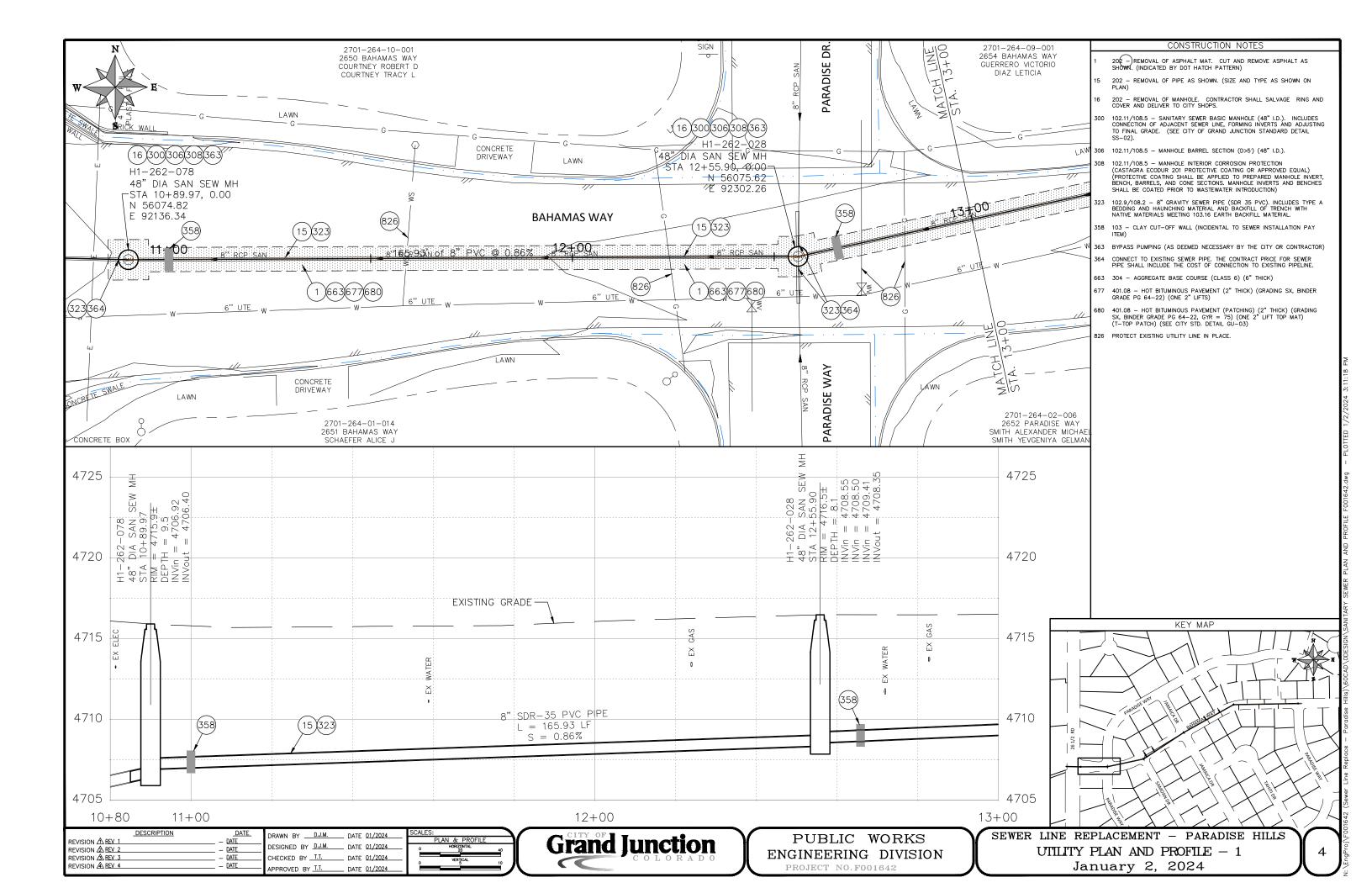


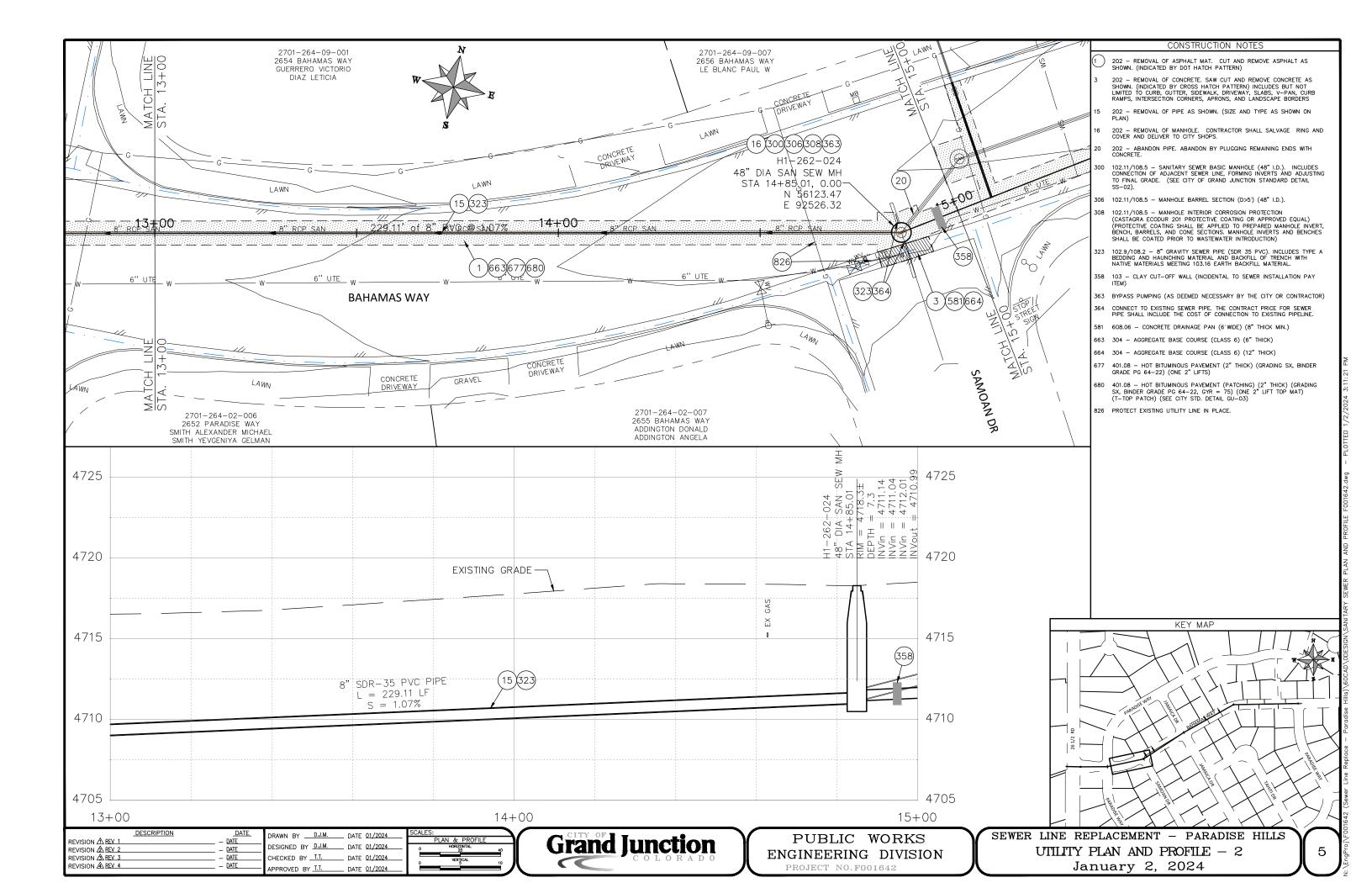
4" SIPHON

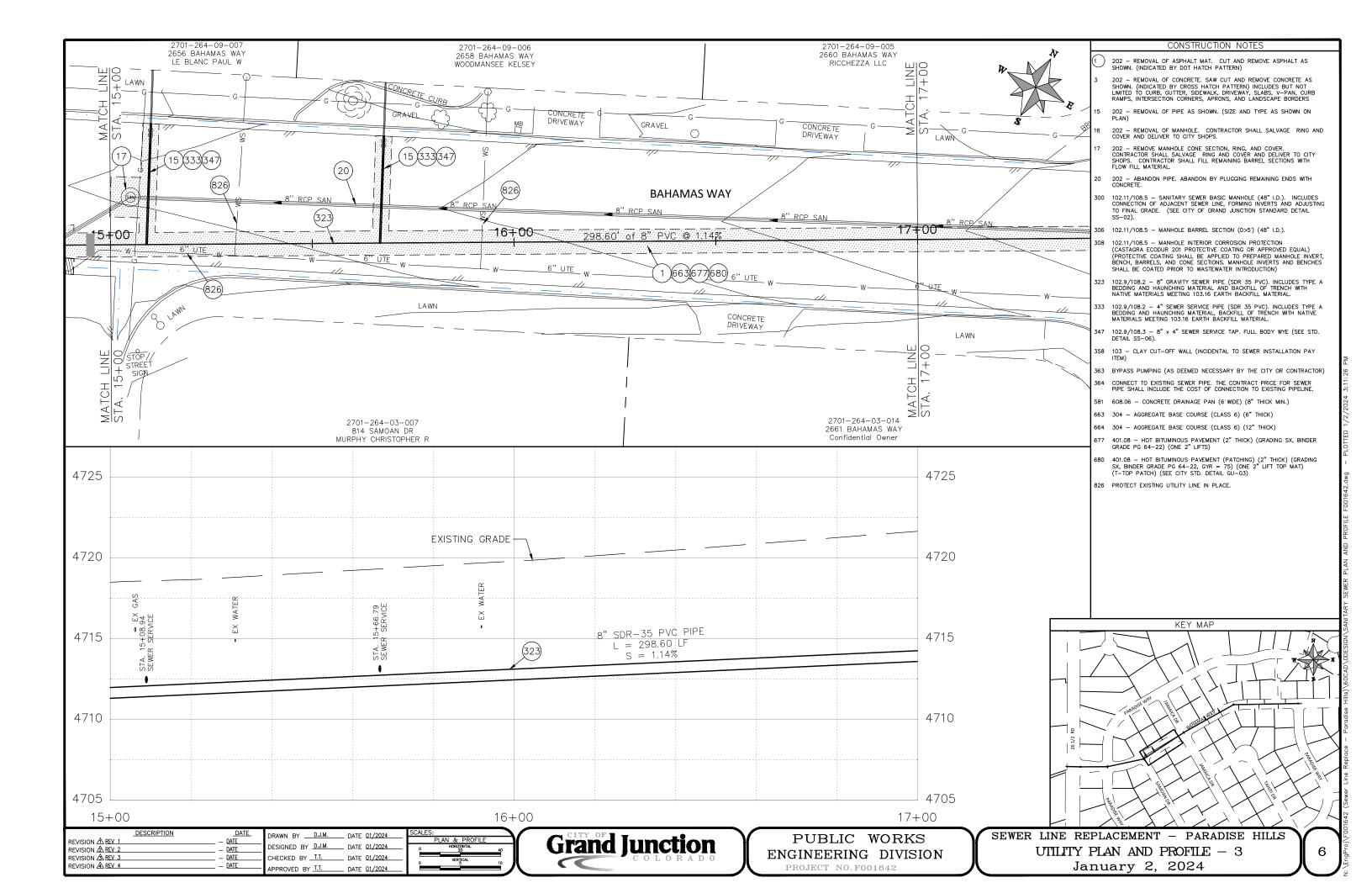
PUBLIC WORKS ENGINEERING DIVISION PROJECT NO.F001642

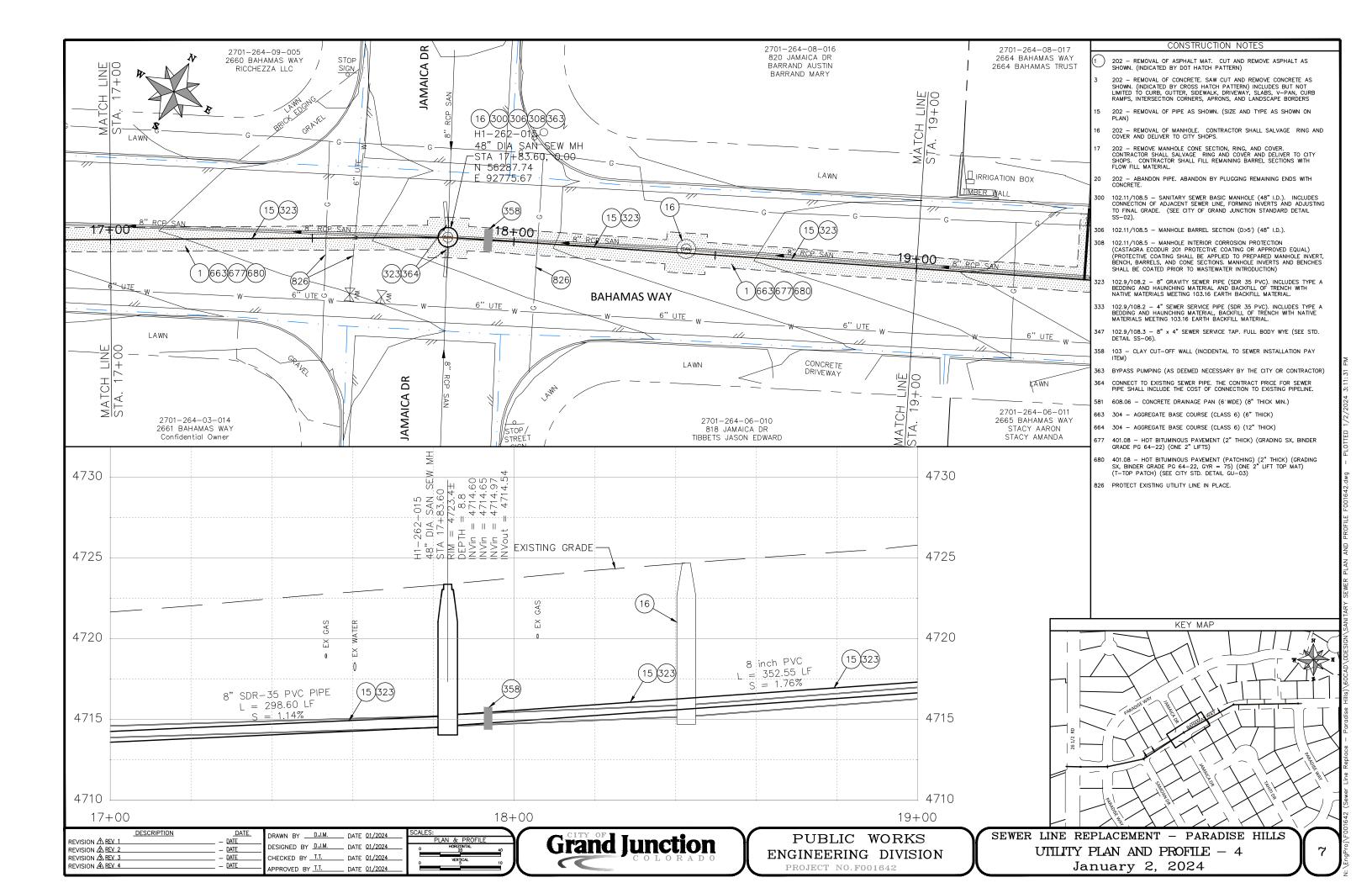
SEWER LINE REPLACEMENT - PARADISE HILLS STANDARD ABBREVIATIONS LEGENDS AND SYMBOLS January 2, 2024

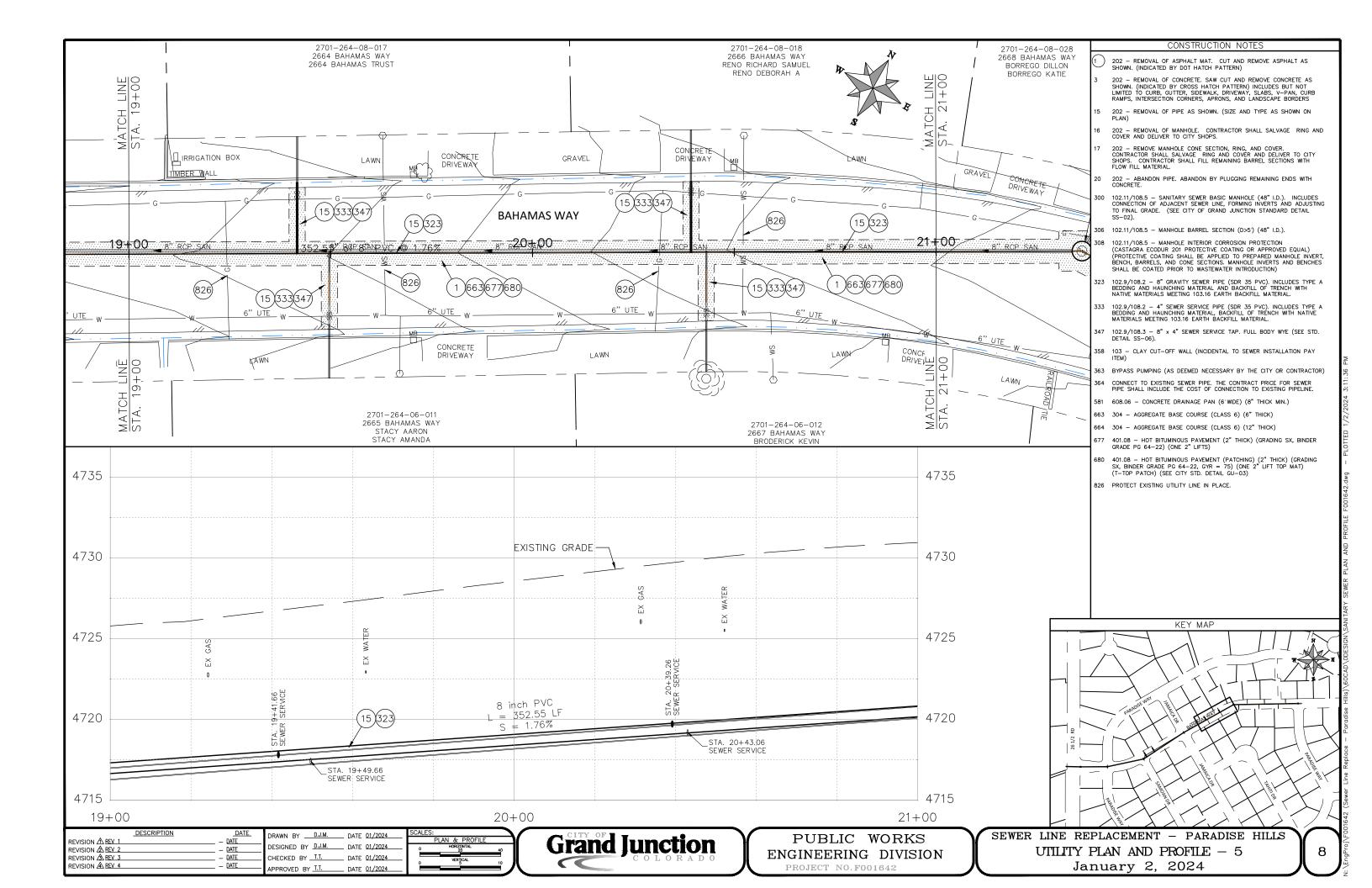


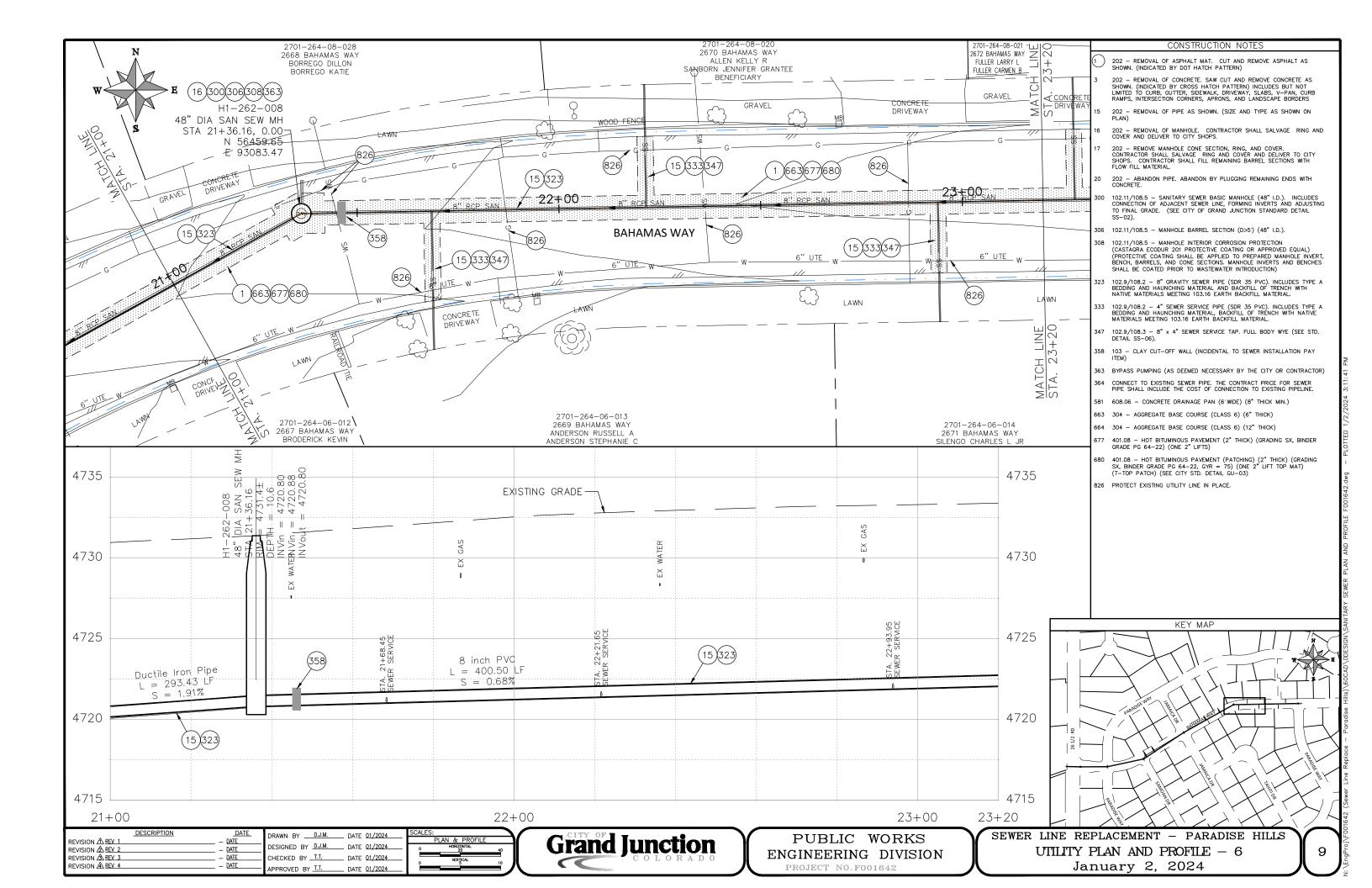


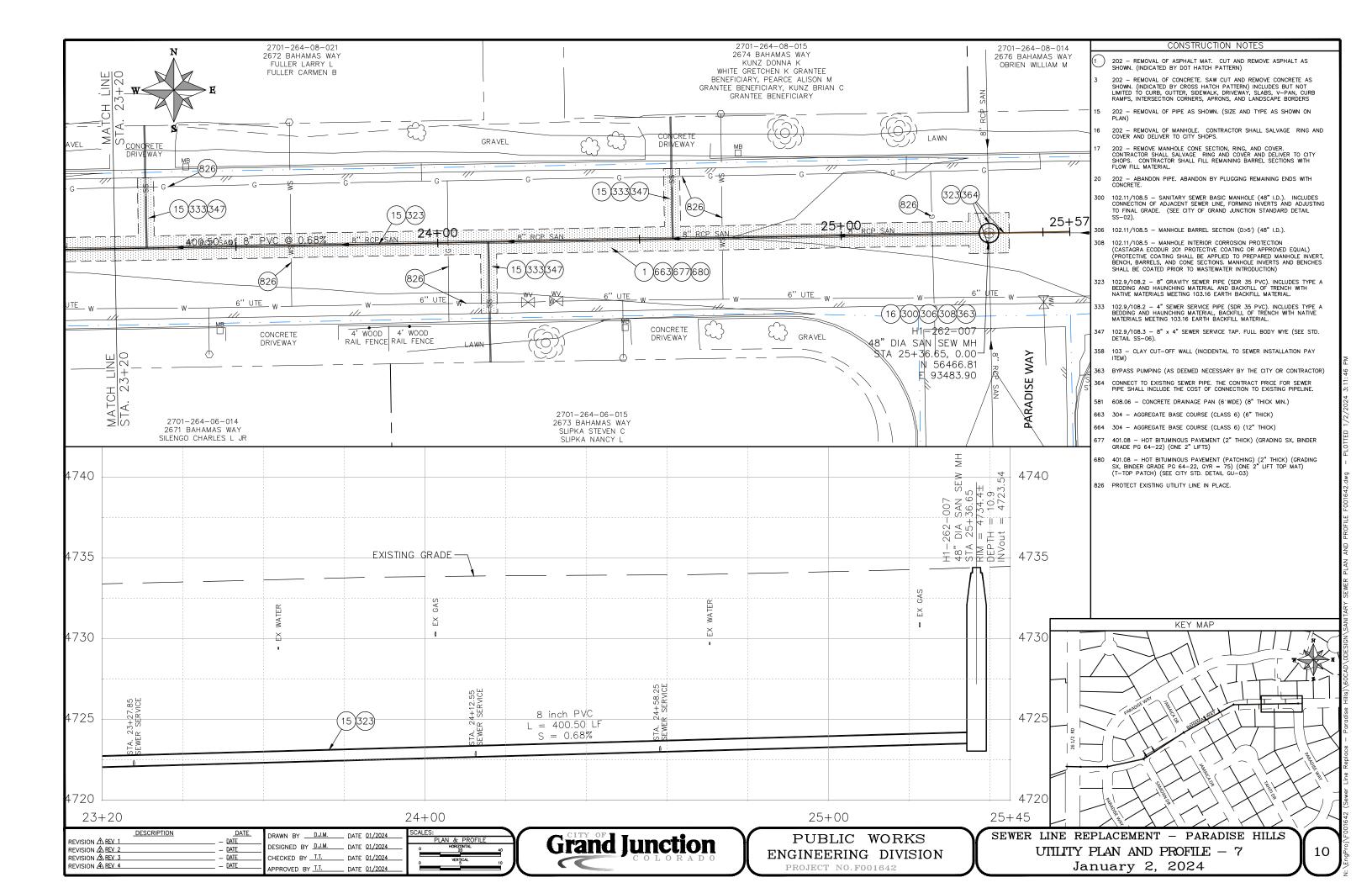




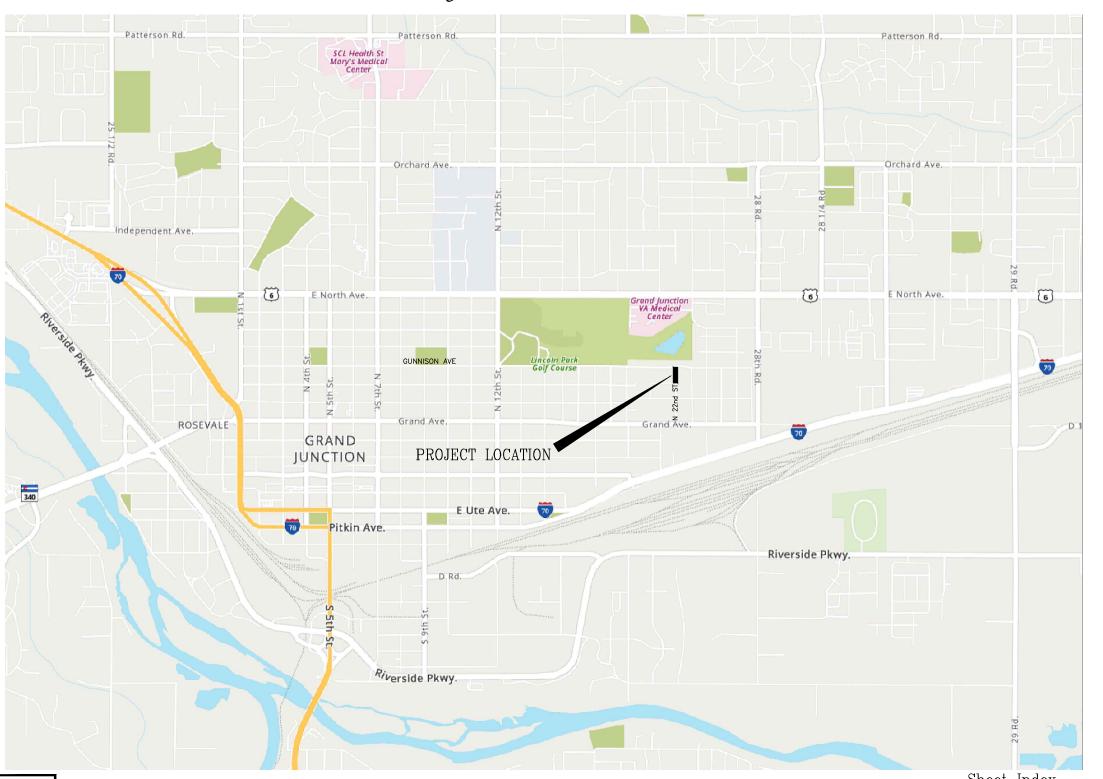








2024 SEWER LINE REPLACEMENT PROJECT May 29, 2024







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

 DESCRIPTION

 REVISION ⚠ REV 1
 — DATE

 REVISION ⚠ REV 2
 — DATE

 REVISION ⚠ REV 3
 — DATE

 REVISION ⚠ REV 4
 — DATE

Engineering and Transportation Department

Sheet Index

- 1 Cover Sheet
- 2 Standard Abbreviations, Legend, & Symbols
- 3 Summary of Approximate Quantities
- 3 Sanitary Sewer Plan and Profile

ABBRE ¹	VIATIONS
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
ABC AC	AGGREGATE BASE COURSE ASBESTOS CEMENT
AP ASB	ANGLE POINT ANCHORED STRAW BALES
ASP ASTM	ANCHORED STRAW BALES ALUMINIZED STEEL PIPE AMERICAN SOCIETY FOR TESTING MATERIALS
AWWA	AMERICAN WATER WORKS ASSOCIATION
BC BF	BACK OF CURB BUTTERFLY VALVE
BOW BCR	BACK OF WALK BEGIN CURB RETURN
BOT BSWMP	BOTTOM BETTER STORM WATER MANAGEMENT PRACTICES
CH CAP	CHORD CORRUGATED ALUMINUM PIPE
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION
CI C,G,& SW	CAST IRON CURB, GUTTER & SIDEWALK
€ ČL	CENTER LINE CLEAR
CMP CO	CORRUGATED METAL PIPE CLEAN OUT
COMB	COMBINATION (AS IN STORM SEWER AND SANITARY SEWER)
CONC	CONCRETE CITY SURVEY MONUMENT
CSP CU	CORRUGATED STEEL PIPE COPPER
DI DWY	DUCTILE IRON DRIVEWAY
E ECR	ELECTRIC END CURB RETURN
EG	EDGE OF GUTTER
EL EP	ELEVATION EDGE OF PAVEMENT
EX FB	EXISTING FULL BODY
FC FG	FULL BODY FACE OF CURB FINISHED GRADE
E	FLOW LINE
FL FM	FLANGE FORCE MAIN
F0 FS	FIBER OPTICS FAR SIDE
FTG G	FOOTING GAS
ĞB	GRADE BREAK
GM GV_	GAS METER GATE VALVE
HBP HDPE	HOT BITUMINOUS PAVEMENT HIGH DENSITY POLYETHYLENE
INV IRR	INVERT IRRIGATION
LC	LENGTH OF ARC LONG CHORD
LF	LINEAR FEET
LL LS	LONG ARC SHORT ARC
LT MB	LEFT MAILBOX
MCSM MH	MESA COUNTY SURVEY MONUMENT MANHOLE
MJ MW	MECHANICAL JOINT MILL WRAP
N/A	NOT APPLICABLE
NÍC NOP	NOT IN CONTRACT NO ONE PERSON
NRCP NS	NON-REINFORCED CONCRETE PIPE NEAR SIDE
NTS OHP	NOT TO SCALE OVERHEAD POWER
OHT PC	OVERHEAD TELEPHONE
PCC	POINT OF CURVATURE POINT OF COMPOUND CURVATURE
PE PERF	POLYETHYLENE PERFORATED
PI PIP	POINT OF INTERSECTION PLASTIC IRRIGATION PIPE
POC POT	POINT ON CURVE POINT ON TANGENT
PR	PROPOSED
PRC PT	POINT OF REVERSE CURVATURE POINT OF TANGENCY
PVC R	POLYVINYL CHLORIDE RADIUS
RCP REQ'D	REINFORCED CONCRETE PIPE REQUIRED
RG	RESTRAINED GLANDS
RL ROW	LONG RADIUS RIGHT OF WAY
RP RR	RADIUS POINT RAIL ROAD
RS RT	SHORT RADIUS RIGHT
S SAN	SLOPE SANITARY
SC	SHORT CHORD
SCD SCH	STANDARD CONTRACT DOCUMENTS SCHEDULE
SF SL	SILT FENCE SECTION LINE
SSRB SSUU	STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION STANDARD SPECIFICATIONS FOR CONSTRUCTION OF UNDERGROUND UTILITIES
STA STL	STATION STEEL
STM	STORM
T TAN	TELEPHONE ENGTH OF TANGENT TOP OF CURB
TC TH	TEST HOLE
TV (TYP)	TELEVISION TYPICAL
VC	UNDERGROUND UTILITIES
VCP	VERTICAL CURVE VITRIFIED CLAY PIPE VERTICAL POINT OF CURVATURE
VPC VPCC	VERTICAL POINT OF COMPOUND CURVATURE
VPRC VPI	VERTICAL POINT OF REVERSE CURVATURE VERTICAL POINT OF INTERSECTION
VPT W	VERTICAL POINT OF TANGENCY WATER
<u></u>	DELTA ANGLE
	DESCRIPTION DATE

BSWMP SILT FENCE BUILDING CONCRETE CURB AND GUTTER CONCRETE CURB, GUTTER, & SIDEWALK CONCRETE DITCH CONCRETE DITCH CONCRETE SIDEWALK CULVERT EARTH DITCH EARTH DITCH EARTH DITCH EARTH CHARLES EARTH CANTEN EARTH CONCRETE CONCR	LEGEND	
BSWMP ANCHORED STRAW BALES - ASB		
BSWMP SILT FENCE BUILDING CONCRETE CURB AND GUTTER CONCRETE CURB,GUTTER, & SIDEWALK CONCRETE DITCH CONCRETE SIDEWALK CULVERT EARTH DITCH EARTH DITCH EARTH DITCH EARTH CARTH CARTH FENCE (HT & MATL NOTED) GUARD RAIL HATCHING: INDICATES ASPHALT REMOVAL HATCHING: INDICATES CONCRETE REMOVAL HATCHING: INDICATES STAGING AREA LINE (CENTER OF IMPROVEMENTS) LINE (CITY LIMITS) LINE (CONTROL) LINE (CASEMENT) LINE (CASEMENT) LINE (CASEMENT) LINE (CRIGHT OF WAY) LINE (RIGHT OF WAY) LINE (RIGHT OF WAY) LINE (RIGHT OF WAY) LINE (RIGHT OF WAY)	BSWMP	
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CONCRETE CURB AND GUTTER 7 C, G, & SW CONCRETE CURB,GUTTER, & SIDEWALK CONCRETE DITCH CONCRETE DITCH CONCRETE SIDEWALK CULVERT EARTH DITCH EARTH DITCH EARTH DITCH EARTH EARTH EARTH DITCH EARTH MATL NOTED) GUARD RAIL HATCHING: INDICATES ASPHALT REMOVAL HATCHING: INDICATES CONCRETE REMOVAL HATCHING: INDICATES STAGING AREA LINE (CENTER OF IMPROVEMENTS) LINE (CITY LIMITS) LINE (CONTROL) LINE (CASEMENT) LINE (MONUMENT/SECTION) LINE (PROPERTY) LINE (RIGHT OF WAY) LINE (RIGHT OF WAY) LINE (RIGHT OF WAY)	BUILDING	//////////////////////////////////////
CONCRETE CURB,GUTTER, & SIDEWALK CONCRETE DITCH CONCRETE SIDEWALK CULVERT EARTH DITCH EARTH EARTH EARTH EARTH DITCH EDGE OF GRAVEL EDGE OF PAVEMENT FENCE (HT & MATL NOTED) GUARD RAIL HATCHING: INDICATES ASPHALT REMOVAL HATCHING: INDICATES CONCRETE REMOVAL HATCHING: INDICATES STAGING AREA LINE (CENTER OF IMPROVEMENTS) LINE (CITY LIMITS) LINE (CONTROL) LINE (CASEMENT) LINE (MONUMENT/SECTION) LINE (PROPERTY) LINE (RIGHT OF WAY) LINE (RIGHT OF WAY)	CONCRETE CURB AND GUTTER	"
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CULVERT EARTH DITCH EARTH EARTH EARTH EARTH EDGE OF GRAVEL EDGE OF PAVEMENT FENCE (HT & MATL NOTED) G'CHANLINK HATCHING: INDICATES ASPHALT REMOVAL HATCHING: INDICATES CONCRETE REMOVAL HATCHING: INDICATES STAGING AREA LINE (CENTER OF IMPROVEMENTS LINE (CITY LIMITS) LINE (CONTROL) LINE (CASEMENT) LINE (CASEMENT) LINE (PROPERTY) LINE (PROPERTY) LINE (RIGHT OF WAY)	CONCRETE DITCH	CONCRETE
EARTH DITCH EARTH DITCH EARTH EARTH EARTH EARTH EDGE OF GRAVEL EDGE OF PAVEMENT FENCE (HT & MATL NOTED) G' CHANLINK B B B B B B B B B B B B B B B B B B B	CONCRETE SIDEWALK	4' SW
EARTH DITCH EDGE OF GRAVEL EDGE OF PAVEMENT FENCE (HT & MATL NOTED) G' CHAINLINK HATCHING: INDICATES ASPHALT REMOVAL HATCHING: INDICATES CONCRETE REMOVAL HATCHING: INDICATES STAGING AREA LINE (CENTER OF IMPROVEMENTS LINE (CITY LIMITS) LINE (CONTROL) LINE (CASEMENT) LINE (CASEMENT) LINE (PROPERTY) LINE (PROPERTY) LINE (RIGHT OF WAY)	CULVERT	18" RCP
EDGE OF GRAVEL EDGE OF PAVEMENT FENCE (HT & MATL NOTED) GUARD RAIL HATCHING: INDICATES ASPHALT REMOVAL HATCHING: INDICATES CONCRETE REMOVAL HATCHING: INDICATES STAGING AREA LINE (CENTER OF IMPROVEMENTS) LINE (CITY LIMITS) LINE (CONTROL) LINE (EASEMENT) LINE (MONUMENT/SECTION) LINE (PROPERTY) LINE (RIGHT OF WAY)		•
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FENCE (HT & MATL NOTED) GUARD RAIL B B B B B B B B B B B B B B B B B B B	EDGE OF GRAVEL	
GUARD RAIL HATCHING: INDICATES ASPHALT REMOVAL HATCHING: INDICATES CONCRETE REMOVAL HATCHING: INDICATES STAGING AREA LINE (CENTER OF IMPROVEMENTS LINE (CITY LIMITS) LINE (CONTROL) LINE (CASEMENT) LINE (EASEMENT) LINE (MONUMENT/SECTION) LINE (PROPERTY) LINE (RIGHT OF WAY)	EDGE OF PAVEMENT	
HATCHING: INDICATES ASPHALT REMOVAL HATCHING: INDICATES CONCRETE REMOVAL HATCHING: INDICATES CONCRETE REMOVAL HATCHING: INDICATES STAGING AREA H++++STAGNO, AREA++ H+++++++ CENTERLINE LINE (CENTER OF IMPROVEMENTS LINE (CITY LIMITS) LINE (CONTROL LIMITS) LINE (MONUMENT/SECTION) LINE (MONUMENT/SECTION) LINE (PROPERTY) LINE (RIGHT OF WAY)	FENCE (HT & MATL NOTED)	x 6' CHAINLINK X
HATCHING: INDICATES CONCRETE REMOVAL HATCHING: INDICATES CONCRETE REMOVAL HATCHING: INDICATES STAGING AREA LINE (CENTER OF IMPROVEMENTS LINE (CITY LIMITS) LINE (CONTROL) LINE (CONTROL) LINE (EASEMENT) LINE (MONUMENT/SECTION) LINE (PROPERTY) LINE (RIGHT OF WAY)	GUARD RAIL	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
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LINE (CONTROL LINE LINE (CONTROL LINE LINE (EASEMENT) LINE (MONUMENT/SECTION) LINE (PROPERTY) LINE (RIGHT OF WAY)		CENTERLINE
LINE (EASEMENT)	LINE (CITY LIMITS)	CITY LIMITS
LINE MONUMENT/SECTION LINE LINE (PROPERTY)	LINE (CONTROL)	CONTROL LINE
LINE (RIGHT OF WAY)	LINE (EASEMENT)	
LINE (PROPERTY)		MONUMENT/SECTION LINE
	LINE (RIGHT OF WAY)	
	MATCH LINE	MATCH LINE

PIPE (IRRIGATION)
PIPE (SIPHON)

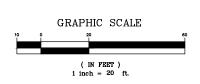
SEE PLAN FOR SCALE INFO

PROPOSED CONCRETE CURB AND GUTTER	
PROPOSED CONCRETE CURB,GUTTER,& SIDEWALK	
PROPOSED CONCRETE SIDEWALK	
PROPOSED "WET" UTILITIES (CONSTRUCTION NOTE WILL INDICATE TYPE, SIZE, AND MATERIAL OF NEW MAIN)	8" PVC SANITARY SEWER
ALL PROPOSED FEATURES N SHOWN THE SAME AS THEIR INDICATED BY BOLDER LINE	NOT SHOWN IN LEGEND WILL BE R EXISTING COUNTERPART, BUT TYPE
RAIL ROAD	
RETAINING WALL	1' RETAINING WALL
STRIPING (CONTINUOUS WHITE)	WHITE
STRIPING (DASHED WHITE)	WHITE
STRIPING (CONTINUOUS YELLOW) YELLOW
STRIPING (DASHED YELLOW)	AETTOM
TOP OF SLOPE	
CONTOUR LINES (SHOWN BETWEEN TOP & TOE)	
TOE OF SLOPE	4570
TRAFFIC DETECTOR LOOP	
UTILITY LINE (ABANDON) (THIS CASE A WATER LINE)	
UTILITY LINE (CABLE TV)	TV TV
UTILITY LINE (ELECTRIC)	Ε
UTILITY LINE (FIBER OPTIC)	FO OWEST FO
UTILITY LINE (GAS)	G1 1/4" MW_ G
UTILITY LINE (HIGH VOLTAGE OVERHEAD POWER	
UTILITY LINE (OVERHEAD POWER)	OHP
UTILITY LINE (OVERHEAD TELEPHONE)	ОНТ —
UTILITY LINE (SANITARY SEWER)	8" SAN
UTILITY LINE (SANITARY SEWER FORCE MAIN)	8" FM
UTILITY LINE (SANITARY SEWER SERVICE)	ss
UTILITY LINE (STORM SEWER)	8" STM
UTILITY LINE (STORM SEWER, PERFORATED)	6" PERF
UTILITY LINE (STORM/SANITARY SEWER SEWER COMBINATION)	18" COMB
UTILITY LINE (TELEPHONE)	ттт
UTILITY LINE (WATER)	ww

<u>SYMBOLS</u>

BENCH MARK	A
CATCH BASIN	
CLEAN OUT	ssco
CURB STOP	4
FIRE HYDRANT	ф
GUY WIRE ANCHOR	\rightarrow
HEADGATE	H
IRRIGATION PUMP	e
MAILBOX	WB
MANHOLE (ELECTRIC)	(E)
MANHOLE (GAS)	6
MANHOLE (SANITARY/STORM)	0
MANHOLE (TELEPHONE)	T
MANHOLE (TV)	(1)
MANHOLE (WATER)	w
METER (GAS)	GM O
METER (WATER)	0
PEDESTAL (TELEPHONE)	Δ
PEDESTAL (TV)	\triangle^{TV}
PROPERTY PIN	PDi
PULL BOX	
REDUCER FITTING	◀
SIGN OR POST (SIGN TYPE NOTED)	+ _{STOP}
SPRINKLER HEAD	8
STREET LIGHT	0-0
SURVEY MONUMENT (CITY)	◆ _{CSM}
SURVEY MONUMENT (TYPE NOTED)	◆ MCSM
TEST HOLE	□ _{TH #1}
TRAFFIC PAINT MARKING	→
TRAFFIC SIGNAL POLE AND MAST ARM	O
UTILITY POLE	-0-
VALVE (GAS)	g∨ ⊠
VALVE (IRRIGATION)	IRR
VALVE (WATER)	×
VEGETATION (HEDGE OR BUSH)	\Box
VEGETATION (TREE STUMP)	M
VEGETATION (TREE) (CALIPER SIZE NOTED)	• · ®
WATER HYDRANT	WH-
WEIR	М
	\Diamond

NORTH ARROY



BAR SCALE:





ENGINEERING AND TRANSPORTATION DEPARTMENT PROJECT NO.F001644

2024 SEWER LINE REPLACEMENT PROJECT STANDARD ABREVIATIONS LEGENDS AND SYMBOLS May 29, 2024

