



INVITATION FOR BIDS

2026 Curb and Gutter & Concrete Improvements

**City of Craig
300 West 4th Street
Craig, CO 81625
www.ci.craig.co.us**

**Open-March 18, 2026
Closes-April 16, 2026**

Table of Contents

Bidding Information

Advertisement for Invitation for Bid (IFB)
Instructions for Bidders
Bid Form
Bid Schedule
Bidder's Qualification Statement
Bid Bond
Sub-Contractors & Material Suppliers Form

Contract Forms

Notice of Award
Contract/Agreement
Performance Bond
Payment Bond
Notice to Proceed

Specifications

General Conditions
Portland Cement Concrete
Excavation and Backfill Structures
Placing and Finishing Structural Concrete
Reinforcing Steel
Subgrade Preparation
Section 58 Concrete Curb and Gutter, Curb-Walk & Valley Gutter Pages
Special Conditions

Other Documents

2026 Curb and Gutter and Concrete Improvements location list.

ADVERTISEMENT FOR: INVITATION FOR BIDS

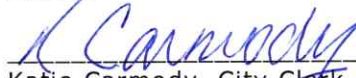
The City of Craig is requesting bids for the **2026 Curb and Gutter and Concrete Improvements**. Bids are due to the City Clerk by 2:00 PM April 16, 2026, at which time they will be opened and read aloud. Bids received after this time will not be accepted. Bids may be mailed or hand delivered to City Hall at 300 West Fourth Street, Craig, Colorado 81625. Electronic submissions will also be accepted and can be emailed to the City Clerk at kcarmody@cityofcraig.org. Mailed and emailed bids shall be addressed to the City of Craig and shall include the project title 2026 Curb and Gutter and Concrete Improvements written thereon.

Electronic bidding documents will be available on March 18, 2026 and may be obtained on BidNet Direct at <https://www.bidnetdirect.com/colorado/cityofcraig>.

A mandatory pre-bid walk must be scheduled prior to April 2, 2026, bids will not be accepted without.

No bid shall be withdrawn after opening the bid without the consent of the City of Craig, for a period of at least 60 days following the scheduled bid opening. All bids must be submitted in accordance with the Instructions to Bidders. Bids will only be accepted from qualified contractors that have demonstrated relevant experience and the requirements included in the Bidder's Qualification Statement. A Bid Bond in the amount of 5% is required and must accompany the bidder's bid. Performance and Payment Bonds will be required upon contract award. The City of Craig reserves the right to reject any or all bids and to waive any informality in the bids. The award of the selected bid will be considered at a to-be-determined City Council meeting.

Attest:


Katie Carmody, City Clerk


Chris Nichols, Mayor

PUBLISHED IN THE CRAIG PRESS ON: March 18th, 25th, April 1st, 2026



INSTRUCTIONS FOR BIDDERS

Sealed bids for the “**2026 Curb and Gutter and Concrete Improvements**” project will be received by the City of Craig (Owner) via Bidnet Direct at <https://www.bidnetdirect.com/colorado/cityofcraig> or mailed, emailed, or hand delivered to City Hall at 300 West Fourth Street, Craig, Colorado 81625, until **2:00 PM prevailing time on April 16, 2026**. Late bids will not be considered and will be returned to the bidder unopened.

A **MANDATORY PRE BID walk must be scheduled** prior to April 2, 2026. Bids will not be accepted without a project walk through. Contact Shane Baker or Troy Hampton to schedule a Bid Walk (970)824-4463.

Questions regarding the scope of work and specifications must be submitted in writing to the City Clerk at kcarmody@cityofcraig.org, no later than **2:00 PM on April 2, 2026**. Responses to all questions shall be issued in the form of an Addendum to be issued by the City of Craig by no later than **5:00 PM on April 9, 2026**.

All bids must be made on the required Bid Form. All blank spaces for bid prices must be filled in with ink or typewritten, and the bid form must be fully completed and executed when submitted. Only one copy of the bid form is required.

The Owner may waive any informalities or minor defects or reject any or all bids. Any bid may be withdrawn prior to the above scheduled time for the opening of bids or authorized postponement thereof. Any bid received after the time and date specified shall not be considered. No bidder may withdraw a bid within 60 days after the actual date of the opening thereof. Should there be reasons why the contract cannot be awarded within the specified period the time may be extended by mutual agreement between the Owner and the bidder.

Bidders must satisfy themselves with the accuracy of the estimated quantities in the bid scheduled by examination of the site and a review of the drawings and specifications including addenda. After bids have been submitted, the bidder shall not assert that there was a misunderstanding concerning the quantities of work or the nature of the work to be done.

The Owner shall provide to bidders prior to bidding, all information which is pertinent to, and delineates and describes the land owned and rights of way acquired or to be acquired.

The contract documents contain the provisions required for the construction of the project. Information obtained from an officer, agent, or employee of the Owner or any other person shall not affect the risks or obligations assumed by the contractor or relive him from fulfilling any of the conditions of the contract.

Each bid greater than \$50,000 must be accompanied by a bid bond payable to the Owner for five percent (5%) of the total amount of the bid. As soon as the bid prices have been compared, the Owner will return the bonds of all except the three lowest responsible bidders. When the agreement is executed the bonds of the two remaining unsuccessful bidders will be returned.

The bid bond of the successful bidder will be retained until the payment bond and performance bond have been executed and approved, after which it will be returned. A certified check may be used in lieu of a bid bond.

For contracts greater than \$50,000 a performance bond and payment bond, each in the amount of 100 percent of the contract price, with a corporate surety approved by the Owner, will be required for the faithful performance of the contract.

Attorneys-in-fact who sign bid bonds of payment bonds and performance bonds must file with each bond a certified and effective dated copy of their power of attorney.

The party to whom the contract is awarded will be required to execute the agreement and obtain the performance bond and payment bond within ten (10) calendar days from the date of the notice of award. The notice of award shall be accompanied by the necessary agreement and bond forms. In case of failure of the bidder to execute the agreement, the Owner may at their option consider the bidder in default, in which case the bid bond accompanying the proposal shall become the property of the Owner.

The Owner within ten (10) days of receipt of acceptable performance bond, payment bond and agreement signed by the party to whom the agreement was awarded shall sign the agreement and return to such party an executed duplicate of the agreement. Should the Owner not execute the agreement within such period, the bidder may by written notice withdraw their signed agreement. Such notice of withdrawal shall be effective upon receipt of the notice by the Owner.

The notice to proceed shall be issued within ten (10) days of the execution of the agreement by the Owner. Should there be reasons why the notice to proceed cannot be issued within such period, the time may be extended by mutual agreement between the Owner and the contractor. If the notice to proceed has not been issued within the ten (10) day period or within the period mutually agreed upon, the contractor may terminate the agreement without further liability on the part of either party.

The Owner may make such investigations as they deem necessary to determine the ability of the bidder to perform work, and the bidder shall furnish to the Owner all such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any bid if the evidence submitted by, or investigation of, such bidder fails to satisfy the Owner that such bidder is properly qualified to carry out the obligations of the agreement and to complete the work contemplated therein. A conditional or qualified bid will not be accepted.

Award will be given to the lowest responsive and responsible bidder. All applicable laws, ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the contract throughout.

Each bidder is responsible for inspecting the site and for reading and being thoroughly familiar with the contract documents. The failure or omission of any bidder to do any of the foregoing shall in no way relieve any bidder from any obligation in respect to his bid.

The bidder agrees to abide by the requirements under Executive Order Number 11246, as amended, including specifically the provisions of the equal opportunity clause set forth in the supplemental general conditions.

The low bidder shall supply the names and address of major material suppliers and subcontractors when requested to do so by the Owner.

This project is exempt from Sales Tax requirements. The party to whom the contract is awarded will be required to complete all necessary forms to document the exemption.

BID FORM

TO: City of Craig, Colorado
300 West Fourth Street
Craig, CO 81625

FOR: 2026 Curb and Gutter and Concrete Improvements

Receipt of Addendum Number _____ is hereby acknowledged.

Being familiar with the requirements of the project schedule, the undersigned Bidder hereby proposes to furnish all labor, materials, tools, supplies, equipment, transportation, services and all other items; and to install all items necessary for the completion of the Project in accordance with the project Specifications and Drawings; for and in consideration of the prices indicated in the following Bid.

In submitting the following Bid, it is understood that the right is reserved by the Owner to reject any or all bids, to waive irregularities in bidding and to accept the Bid that best serves the interest of the Owner.

Bidder hereby agrees to commence work under this Contract on a date specified in the Notice to Proceed and must be substantially completed per the dates specified in the project specifications.

All prices on the bid form must be written in words and expressed in figures. If a discrepancy exists between the amount stated in words and the amount stated in figures, the amount stated in words shall govern. In case of an error in the extension of a bid item price, the unit price shall govern.

BID SUMMARY: Bid Schedule-2026 Curb and Gutter and Concrete improvements. All quantities are approximate for bidding purposes. Actual quantities will be paid out based on unit cost.

Item	Description	Qty	Unit	Unit Cost	Total Cost
1	Demo Curb and Gutter	1646	LF		
2	Reconstructing Curb and Gutter	1646	LF		
3	Demo 4" Sidewalk and Driveways	81	Sq/Ft		
4	Reconstructing 4" Sidewalks and Driveways	81	Sq/Ft		
5	Demo 6" Valley pans	768	Sq/Ft		
6	Reconstructing 6" Valley Pans	1024	Sq/Ft		
7	Class 6 Road Base. Price must include hauled and installed	1	Cubic Yard		
8	Screened Topsoil. Price must include hauled and installed	1	Cubic Yard		
				Total	

IF the bid exceeds \$50,000, Bonding is required as per General Conditions. Pursuant to section 1, General Conditions, Number 136, Liquidated Damages; The amount specified for the liquidated damages for all work to be complete is \$500.00 per day after the dates specified in the Special Provisions

BIDDER'S NAME _____

BY _____

ADDRESS _____

TELEPHONE: _____ EMAIL: _____

STATE OF INCORPORATION _____

BIDDER'S LEGAL STATUS _____

SIGNATURE OF AUTHORIZED AGENT: _____

PRINTED NAME OF AUTHORIZED AGENT: _____

Dated this _____ day of _____ 2026

ATTEST: _____

Secretary

CORPORATION SEAL

BIDDER'S QUALIFICATION STATEMENT

The Bidder's Qualification Statement must be completed and submitted with the bid. Failure to do so may deem the bid as non-responsive.

All questions must be answered and the data given must be clear and comprehensive. If necessary, questions may be answered on separate attached sheets. The Bidder may submit any additional information they desire.

To qualify for consideration for award of the contract the Bidder or his Subcontractors must meet the following requirements:

1. List at least three previous projects of similar scope and size completed within the past (5) years and approximate cost.
2. Provide information for a minimum of three references who can be contacted for similar project experience.
3. Responses from references contacted must be favorable.

The remainder of the information provided will be evaluated for award consideration but no minimum requirements, other than those listed in the specifications, will apply.

1. Name of Bidder:

2. Permanent address and phone number of Bidder:

3. Date company was organized: _____

4. If a corporation, where incorporated: _____

5. Number of years engaged in contracting business under present firm or trade name:

6. List of current jobs and recently completed projects, indicating client and telephone number, size, type of job, cost and date of completion. (Use additional sheets if necessary.)

7. General Character of work performed by your company: _____

8. Have you ever failed to complete any Work awarded to you? If so, when, where and why?

9. Have you ever defaulted on a contract? If so, when, where and why?

10. List of your major equipment available and proposed for use for this contract.

11. Indicate relevant construction experience, particularly in western slope communities by providing information from at least three (3) similar project examples completed by the BIDDER as the General Contractor within the past (5) years. Information shall include, at a minimum, the Project Name and Location, Client, Project Description, Subcontractor's, Construction Cost, a minimum of three (3) References who may be contacted (Name, Title and Phone Number), Special or Unusual Approaches to Situations Encountered. List must include federally funded projects.

12. Background and experience of the principal members of your organization, including officers, and proposed subcontractors. Include roles and responsibilities for key individuals assigned to this project.

13. Are you licensed as an Excavator, Pipeline Constructor or any other title? _____
If yes, in what City, County and State? _____
What class, license and numbers? _____
14. Do you anticipate subcontracting work under this Agreement? _____
If yes, what percent of total Work? _____
15. Are there any lawsuits pending or threatened against you or your firm at this time? _____
If yes, provide details: _____

16. What are the limits of your public liability insurance? Details: _____

What company? _____
17. What are your company's bonding limitations? _____

18. Have you ever been assessed liquidated damages for failure to complete a project within the Contract Time? _____
If so, when and where? _____

19. The undersigned hereby authorizes and requests any person, firm or corporation to furnish any information requested by the Owner in verification of the recital comprising this State of Bidder's Qualifications.

Dated this _____ day of _____ 2026

BIDDER:

Signature

Print Name and Title

BID BOND

KNOW ALL INDIVIDUALS BY THESE PRESENTS, that we, the undersigned

as Principal, and _____ as

Surety, we hereby held and firmly bound unto the City of Craig OWNER in the penal sum

Of _____ for the payment of which, well and truly

made, we hereby jointly and severally bind ourselves, successors and assigns. Signed, this

_____ day of _____, 20_____. The condition

Of the above obligation is such that whereas the principal has submitted to

_____ a certain BID

Attached hereto and hereby made part hereof to enter into a contract in writing, for

The _____

NOW THEREFORE,

- (a) If said BID shall be rejected, or
- (b) If said BID shall be accepted and the Principal shall execute and deliver a contract in the form of Contract attached hereto (properly completed in accordance with said BID) and shall furnish a BOND for his faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said BID, than this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims here under shall, in no event, exceed the penal amount of this obligation as herein stated.

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

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

_____ (L.S)

(Principle)

(Surety)

By _____

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

PROPOSED SUBCONTRACTORS

The proposal is based on subcontracting certain major portions of the work to subcontractors as listed below.

Subcontractor	Item/Description of work

Schedule of Major Material suppliers

Item Description	Manufacture or Supplier

Note: In connection with the major items of equipment to be finished and installed, the bidder does expressly agree to the following provision:

Should the bidder indicate more than one manufacturer, or fail to indicate a manufacturer, the Owner shall have the specific right to make the selection at no additional cost to the Owner.

NOTICE OF AWARD

To: _____

PROJECT: 2026 Curb and Gutter and Concrete Improvements

The Owner has considered the proposal submitted by you for the above-described Work in response to its Advertisement for Invitation for Bids dated March 18, 2026-April 1, 2026.

You are hereby notified that your bid has been accepted.

You are required to execute the Agreement and furnish the required Contractor's certificates of insurance and Payment and Performance Bonds within ten (10) calendar days from the date of this Notice to you.

If you fail to execute said Agreement and to furnish said certificates and bonds within ten (10) days from the date of this Notice, said Owner will be entitled to consider all your rights arising out of the Owner's acceptance of your bid as abandoned. The Owner will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this Notice of Award to the Owner.

Dated this _____ day of _____, 2026.

Owner
City of Craig

By: _____
Peter Brixius, City Manager

Acceptance of Notice

Receipt of the above Notice of Award is hereby acknowledged.

By: _____ this _____ day of _____ 2026.

Authorized Signature by: _____

Title: _____

City of Craig Colorado

2026 Curb and Gutter and Concrete Improvements

CONSTRUCTION CONTRACT

THIS CONTRACT AND AGREEMENT (“Agreement” and/or “Contract”), made and entered into as of this ____ day of [Insert Month and Year] by and between the City of Craig, Colorado, a municipal corporation of the State of Colorado, hereinafter referred to as the "City," party of the first part, and contractor listed below, hereinafter referred to as the "Contractor," party of the second part,

[INSERT NAME AND ADDRESS OF AWARDED CONTRACTOR]

WITNESSETH, commencing on [Insert Date], and for at least three (3) days, the City advertised that sealed bids would be received for furnishing all labor, tools, supplies, equipment, materials, and everything necessary and required to complete the project.

WHEREAS bids pursuant to said advertisement have been received by the Director or Manager of the Road and Bridge Department, who has recommended that a Contract for this work be made and entered into with the above-named Contractor who was the lowest, responsive, qualified bidder therefore, and

WHEREAS Contractor is now willing and able to perform all the work in accordance with the advertisement and its bid.

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

1. CONTRACT DOCUMENTS

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

2. SCOPE OF WORK

The Contractor agrees to and shall furnish all labor, tools, supplies, equipment, materials and everything necessary for and required to do, perform and complete all the Work described, drawn, set forth, shown and included in said Contract Documents and as indicated in the Notice of Award.

3. TERMS OF PERFORMANCE

The Contractor agrees to undertake the performance of the Work under this Contract within ten (30) days after being notified to commence work by issuance of a Notice to Proceed in substantially the form contained herein from the Manager and agrees to substantially complete said Work by **September 11, 2026**, plus such extension or extensions of time as may be granted in accordance with the provisions of the General Contract Conditions and any applicable Special Contract Conditions.

4. **CONTRACT TIME AND LIQUIDATED DAMAGES**

Time is of the essence with respect to this Contract. The Contractor hereby agrees to commence Work under the Contract on or before the date specified in a written Notice to Proceed from the City, and to achieve Substantial Completion of the Work within the time or times specified in this Agreement. Substantial Completion is defined as the point when the Work, or a specified part of the Work, has progressed to the point where, in the opinion of the Engineer or the City, as evidenced by the Engineer's definitive Certificate of Substantial Completion, it is sufficiently complete, in accordance with the Contract Documents, so that the Work, or a specified part of the Work, can be utilized for the purposes for which it is intended. In the event the Work is not completed in the times set forth and as agreed upon by this Agreement, the Contractor further agrees to pay Liquidated Damages to the City the amount for liquidated damages in an amount of **\$500.00 per day**. The Contractor acknowledges and recognizes the delays, expenses and difficulties involved in proving in a legal proceeding the actual losses suffered by the City if the work is not completed on time. Accordingly, instead of requiring any such proof, the City and the Contractor agree that as Liquidated Damages for delay, but not as a penalty, the Contractor shall pay to the City the amounts specified in this contract.

The Contractor shall not be charged with liquidated damages or any excess cost when the delay in completion of the work is due to the following, and the Contractor has promptly given written notice of such delay to the City or Engineer.

4.1 To any preference, priority or allocation order duly issued by the City.

4.2 To unforeseeable causes beyond the control and without the fault or negligence of the Contractor, including but not restricted to, acts of God, or of the public enemy, acts of the City, acts of another Contractor in the performance of the contract with the City, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and the abnormal and unforeseeable weather, and

4.3 To any delays of subcontractors occasioned by any of the causes specified in paragraphs 4.1 and 4.2 of this section.

5. **CONTRACT PRICE AND TERMS OF PAYMENT**

The City agrees to pay the Contractor for the performance of all of the Work required under this Contract, and the Contractor agrees to accept as the Contractor's full and only compensation therefore, such sum or sums of money as may be proper in accordance with the price or prices set forth in the Contractor's Bid Form hereto attached and made a part hereof.

Adjustments to the Contract Amount and payment of amounts due hereunder shall be made in accordance with the provisions of the General Contract Conditions and any applicable Special Contract Conditions as well as this Agreement as set forth below.

The Contractor shall accept as full and complete compensation for the performance and completion of all the Work specified in this Contract and the Contract Documents, the sum **Insert Contract Sum Amount**. If this Contract contains unit price pay items, the Contract Price shall be adjusted in accordance with the actual quantities of items completed and accepted by the City at the unit prices quoted in the Bid Form. The amount of the Contract Price is and has heretofore been appropriated by the City Council of the City of Craig for the use and benefit of this Project. The Contract Price shall not be modified except by Change Order or other written directive of the City. The City shall not issue a Change Order or other written directive which requires additional work to be performed, which work causes the aggregate amount payable under this Contract to exceed the amount appropriated for this Project, unless and until the City provides Contractor written assurance that lawful appropriations to cover the costs of the additional work have been made. Written assurance shall be provided in the form of a letter signed by the Department Director and certified by the

Director of Finance.

Unless otherwise provided in the Special Conditions, monthly partial payments shall be made as the Work progresses, within 30 days of receiving an acceptable payment request from the Contractor. Applications for partial and Final Payment shall be prepared by the Contractor and approved by the City in accordance with the General Contract Conditions. Unless otherwise indicated in the Special Conditions, the City shall pay the Contractor ninety-five percent (95%) of the amount shown on the pay application and approved by the City's project administrator. The withheld percentage of the contract price of any such work shall be retained until the contract is completed satisfactorily and accepted by the City. City will generally process invoices for payment within 30 days of receipt or within a reasonable period required to resolve communicated invoice concerns.

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

6. NO DISCRIMINATION IN EMPLOYMENT

In connection with the performance of work under the Agreement, the Contractor may not refuse to hire, discharge, promote, demote, or discriminate in matters of compensation against any person otherwise qualified, solely because of race, color, religion, national origin, ethnicity, citizenship, immigration status, gender, age, sexual orientation, gender identity, gender expression, marital status, source of income, military status, protective hairstyle, or disability. The Contractor shall insert the foregoing provision in all subcontracts.

7. APPLICABILITY OF LAWS

The Agreement between the Contractor and the City shall be deemed to have been made in the City of Craig, State of Colorado and shall be subject to, governed by, and interpreted and construed by or in accordance with the laws of the State of Colorado and the Charter, Revised Municipal Code, Resolutions, Ordinances, and fiscal rules of the City. As such, the Contractor shall at all times comply with the provisions of the Charter, Revised Municipal Code, Resolutions, Ordinances, and fiscal rules of the City, and those State of Colorado and Federal Laws, Rules and Regulations, which in any manner limit, control or apply to the actions or operations of the Contractor, any subcontractors, employees, agents or servants of the Contractor engaged in the Work or affecting the materials and equipment used in the performance of the Work, as the same may be, from time to time, promulgated, revised or amended. The Charter and Municipal Code of the City of Craig, as the same may be amended from time to time, are hereby expressly incorporated into this Agreement as if fully set out herein by this reference. Without limiting the generality of the foregoing, the Contractor shall comply with all applicable public emergencies or public health orders issued by any federal, state, municipal or local governmental entity, or any department or agency thereof, including the Colorado Department of Public Health & Environment (CDPHE).

This Paragraph also requires, without limitation, Contractor to comply with all applicable provisions of Title VII of the Civil Rights Act of 1964, the Equal Employment Opportunity Act of 1972, Executive Order 11246 (as amended), the Americans with Disabilities Act of 1990, the Age Discrimination in Employment

Act of 1967, and all related rules, regulations, and orders issued by the U.S. Equal Employment Opportunity Commission (EEOC).

8. APPROPRIATION

The amount of money which has been appropriated and encumbered for the purpose of this contract, to date, is equal to or more than the Contract Amount. The Manager, upon reasonable written request, will advise the Contractor in writing of the total amount of appropriated and encumbered funds, which remain available for payment for all Work under the Contract.

The issuance of any change, order or other form or order or directive by the City which would cause the aggregate payable under the contract to exceed the amount appropriated for the contract is expressly prohibited. In no event shall the issuance of any change order or other form of order or directive by the City be considered valid or binding if it requires additional compensable work to be performed, which work will cause the aggregate amount available under the Contract to exceed the amount appropriated and encumbered for this Contract, unless and until such time as the Contractor has been advised in writing by the Manager that a lawful appropriation, sufficient to cover the entire cost of such additional work, has been made.

It shall be the responsibility of the Contractor to verify that the amounts already appropriated for this Contract are sufficient to cover the entire cost of such work, and any work undertaken or performed in excess of the amount appropriated is undertaken or performed in violation of the terms of this contract, without the proper authorization for such work, and at the Contractor's own risk.

9. Bonds

Pursuant to C.R.S. § 38-26-106, the Contractor shall furnish currently herewith the Bonds required by the Contract Documents, such Bonds being attached hereto. The Performance Bond shall be in an amount not less than one hundred percent (100%) of the Contract Price set forth in Article 5. The Payment Bond shall be in an amount not less than one hundred (100%) of the Contract Price set forth in Article 5. Bonds in the amounts of \$1,000 or less will be made in multiples of \$100; in amounts exceeding \$5,000, in multiples of \$1,000; provided that the amount of the Bonds shall be fixed by the City at the lowest sum that fulfills all conditions of the Contract.

10. ACCESSIBILITY

The city and its representatives will always have access to the work. In addition, authorized representatives, and agents of any participating Federal, State, or local agency shall be permitted to inspect all work, materials, payrolls, records of personnel, invoices of materials and other relevant data and records. The Contractor will provide proper facilities for such access and observation of the work and for any inspection or testing thereof.

11. INDEMNIFICATION

To the fullest extent permitted by law, the Contractor agrees to indemnify and hold harmless the City, its officers and its employees, from and against all liability, claims, and demands, on account of injury, loss, or damage, which arise out of or are in any manner connected with the services hereunder, if such injury, loss, or damage, or any portion thereof, is caused by, or claimed to be caused by, the negligent act, errors or omissions, or other fault of the Contractor or any subcontractor of the Contractor, or any officer, employee, representative, or agent of the Contractor or of any subcontractor, or any other person for which Contractor is responsible. The Contractor shall investigate, handle, respond to, and provide defense for and defend against any such liability, claims and demands, and bear all other costs and expenses related thereto, including court costs and attorney

fees. The obligation of this Paragraph shall not be construed to extend to any injury, loss, or damage which is caused by the negligent act, error, or omission, or other fault of the City, its officers, or its employees.

12. INSURANCE

The Contractor shall maintain insurance coverage for the work that is subject to this Agreement including, but not limited to:

- Commercial General Liability: \$1,000,000 per occurrence / \$2,000,000 aggregate
- Workers' Compensation: Statutory per Colorado law
- Automobile Liability: \$1,000,000 combined single limit

Certificates of insurance shall be completed by the Consultant's insurance agent as evidence that policies providing the required coverage, conditions, and minimum limits are in full force and effect, and shall be reviewed and approved by the City prior to commencement of services under this Contract. Each certificate shall identify this Contract and shall provide that the coverages afforded under the policies shall not be canceled, terminated, or materially changed until at least 30 days prior written notice has been given to the City. Any statement on the certificates which describe this 30-day prior written notice as being less than obligatory shall be stricken by the insurance agent completing the certificates. The City reserves the right to request and receive a certified copy of any policy and any endorsement thereto.

Failure on the part of the Contractor to procure or maintain policies providing the required coverages, conditions, and minimum limits shall constitute a material breach of contract upon which the City may immediately terminate this Contract, or at its discretion City may procure or renew any such policy or any extended reporting period thereto and may pay any and all premiums in connection therewith, and all monies so paid by the City shall be repaid by Consultant to the City upon demand, or the City may offset the cost of the premiums against any monies due to Consultant from the City. The City reserves the right to request and receive a certified copy of any policy and any endorsement thereto.

The City shall be named as an Additional Insured on any insurance policy required by this Contract with a waiver of subrogation in favor of the City.

13. TERMINATION

For Cause: The city may terminate this Agreement for cause if Contractor fails to perform its obligations or work in any respect.

For Convenience: The City may terminate this Agreement upon 30 days' written notice; Contractor will be compensated for work performed to date.

14. ASSIGNMENT

The Contractor shall not assign any of its rights, benefits, obligations, or duties under this Contract except upon the prior written consent and approval of the Manager to such assignment.

15. CONTRACT BINDING

The City and the Contractor each bind itself, its partners, successors, heirs, executors, administrators, assigns and legal representatives to the other party hereto in respect to all covenants, agreements and obligations contained in the Contract Documents. The Contract Documents constitute the entire agreement between the City and Contractor and may only be altered, amended, or repealed by a duly executed written instrument. Neither the City nor the Contractor shall, without the prior written consent of the other, assign or sublet in whole or

in part its interest under any of the Contract Documents and specifically, the Contractor shall not assign any money due or to become due without the prior written consent of the City.

16. VENUE AND CHOICE OF LAW

Governing Law. This Agreement shall be governed by, and construed in accordance with, the laws of the State of Colorado, without regard to its conflict-of-laws principles.

Venue. Any action arising out of or relating to this Agreement shall be brought exclusively in the state courts of competent jurisdiction located in Moffat County, Colorado. The Parties irrevocably consent to the jurisdiction and venue of such courts and waive any right to venue in federal court.

Governmental Immunity. Nothing in this Agreement shall be construed as a waiver of any governmental immunity or other limitation on liability available to the City under the Colorado Governmental Immunity Act, C.R.S. § 24-10-101 *et seq.*, or otherwise under law.

17. PARAGRAPH HEADINGS

The captions and headings set forth herein are for convenience of reference only and shall not be construed to define or limit the terms and provisions hereof.

18. SEVERABILITY

It is understood and agreed by the parties hereto that, if any part, term, or provision of this Contract, except for the provisions of this Contract requiring prior appropriation and limiting the total amount to be paid by the City, is by the courts held to be illegal or in conflict with any law of the State of Colorado, the validity of the remaining portions or provisions shall not be affected, and the rights and obligations of the parties shall be construed and enforced as if the Contract did not contain the particular part, term or provision held to be invalid.

19. CONFIDENTIALITY

Contractor acknowledges that, while providing services under this Contract, it may receive or have access to non-public, proprietary, or confidential information of the City (“Confidential Information”).

20. NOTICES

All notices, requests, demands, and other communications under this Agreement shall be in writing and shall be deemed duly given (a) when delivered in person, (b) when sent by certified or registered mail, postage prepaid, return receipt requested, (c) when sent by nationally recognized overnight courier service, or (d) when sent by confirmed email, provided that a copy is also sent by one of the other methods listed above. Notices shall be addressed to the Parties at their addresses set forth in this Agreement, or to such other address as either Party may designate in writing.

21. ELECTRONIC SIGNATURES AND ELECTRONIC RECORDS

Contractor consents to the use of electronic signatures by the City. The Agreement, and any other documents requiring a signature hereunder, may be signed electronically by the city in the manner specified by the city. The Parties agree not to deny the legal effect or enforceability of the Agreement solely because it is in electronic form or because an electronic record was used in its formation. The Parties documents to object to the admissibility of the Agreement in the form of an electronic record, or a paper copy of an

electronic document, or a paper copy of a document bearing an electronic signature, on the ground that it is an electronic record or electronic signature or that it is not in its original form or is not an original.

22. THE FOLLOWING PROVISIONS ARE REQUIRED BY HB 06-1343, AS AMENDED BY HB 07-1073 and SB 08-139:

A. Contractor shall not knowingly employ or contract with an illegal alien to perform work under this Contract.

B. Contractor shall not enter a contract with a Subcontractor that fails to certify to the Contractor that the Subcontractor shall not knowingly employ or contract with an illegal alien to perform work under this Contract. Contractor shall, within twenty (20) days of hiring a new employee during the term of this Contract, cause a written, notarized copy of its affirmation of said employee's status to be sent to the Owner.

C. Contractor hereby affirms that it has confirmed or attempted to confirm the employment eligibility of all employees who are newly hired for employment in the United States through participation in the e-verify program, ("e-verify program" means the employment verification program authorized in 8 U.S.C. 1324a, as amended, that is administered by the United States Department of Homeland Security, or the "department program"). If the Contractor is not accepted into the e-verify program, prior to entering into this Contract, the Contractor shall apply to participate in the e-verify program every three (3) months until the Contractor is accepted or this Contract has been completed, whichever is earlier. Contractor is prohibited from using the e-verify program procedures to undertake preemployment screening of job applicants while this Contract is being performed. This subparagraph "C" shall not be effective if the e-verify program is discontinued.

D. If the Contractor obtains actual knowledge that a Subcontractor performing work under this Contract knowingly employs or contracts with an illegal alien, the Contractor shall be required to: (a) notify the Subcontractor and the City within three (3) days that the Contractor has actual knowledge that the Subcontractor is employing or contracting with an illegal alien; and (b) terminate the subcontract with the Subcontractor if within three (3) days of receiving the notice required pursuant to section (a) of this subparagraph, if the Subcontractor does not stop employing or contracting with the illegal alien; except that the Contractor shall not terminate the contract with the Subcontractor if during such three (3) days the Subcontractor provides information to establish that the Subcontractor has not knowingly employed or contracted with an illegal alien.

E. Contractor shall comply with any reasonable request by the applicable State agency or department made during an investigation that said agency or department is undertaking pursuant to its lawful authority. If Contractor violates a provision of this Section XIV, City may terminate this Contract for material breach. If this Contract is so terminated, Contractor shall be liable for actual and consequential damages to City. City is required by State law to notify the Office of the Secretary of State if Contractor violates the provision of this Section XIV, and City terminates this Contract for that reason.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

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

THE CITY OF CRAIG, COLORADO

By: _____
City Peter Brixius, City Manager

_____ Date

ATTEST: SEAL:

By: _____
City Clerk

CONTRACTOR

By: _____

_____ Date

ATTEST: CORPORATE SEAL:

By: _____ Title

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor) a

_____, hereinafter called
Principal, and (Corporation, Partnership, or Individual)

(Name of Surety)

(Address of Surety)

Hereinafter called Surety, are held and firmly bound unto

(Name of Owner)

Address of Owner)

hereinafter called OWNER, in the penal sum of _____

_____. Dollars,

\$(_____) in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents. THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain contract with the OWNER, dated the _____ day of _____, 20____, a copy of which is hereto attached and made a part hereof for the construction of:

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings, covenants, terms, condition, and agreements of said contract during the original term thereof, and any extensions thereof which may be granted by the OWNER, with or without notice to the Surety and during the one year guaranty period,

and if he shall satisfy all claims and demands incurred under such contract, and shall fully indemnify and save harmless the OWNER from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the OWNER all outlay and expense which the OWNER may incur in making good any default, then this obligation shall be void; otherwise to remain in full force and effect. PROVIDED, FURTHER, that all the said Surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to WORK to be performed thereunder or the SPECIFICATIONS accompanying the same shall in any wise effect its obligation on this.

BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in _____ counterparts, each one of which shall be (number) deemed an original, this the ____ day of _____, 20__.

ATTEST:

(Seal)

(Principal)

By _____

(Address)

(Witness as to Principal)

(Address)

ATTEST:

(Witness as to Surety)

(Address)

(Surety)

By _____

(Attorney in Fact)

(Address)

NOTE: Date of BOND must not be prior to date of Contract. If CONTRACTOR is Partnership, all partners should execute BOND. IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the PROJECT is located.

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor)

a _____, hereinafter called Principal, and
(Corporation, Partnership, or Individual)

Name of Surety)

(Address of Surety)

herein after called Surety, are held and firmly bound unto

(Name of Owner)

(Address of Owner)

hereinafter called OWNER, in the penal sum of

_____ Dollars, \$(_____) in lawful money
of the United States, for the payment of which sum well and truly to be made, we bind
ourselves, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into
a certain contract with the OWNER, dated the _____ day of _____,
20____, a copy of which is hereto attached and made a part hereof for the construction
of:

NOW, THEREFORE, if the Principal shall promptly make payment to all persons, firms,
SUBCONTRACTORS, and corporations furnishing materials for or performing labor in
the prosecution of the WORK provided for in such contract, and any authorized

extension or modification thereof, including all amounts due for materials, lubricants, oil, gasoline, coal and coke, repairs on machinery, equipment and tools, consumed or used in connection with the construction of such WORK, and all insurance premiums on said WORK, and for all labor, performed in such WORK whether by SUBCONTRACTOR or otherwise, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that all the said surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to WORK to be performed thereunder or the SPECIFICATIONS accompanying the same shall in any wise affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in _____ counterparts, each one of which shall be (number) deemed an original, this the ____ day of _____, 20__.

ATTEST:

(Principal)
By _____

(SEAL)

(Address)

(Witness as to Principal)

(Address)

ATTEST:

(Witness as to Surety)

(Address)

(Surety)
By _____
(Attorney-in-Fact)

(Address)

NOTE: Date of BOND must not be prior to date of Contract. If CONTRACTOR is Partnership, all partners should execute BOND. IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the PROJECT is located.

NOTICE TO PROCEED

To: _____

Date: _____

Project: [Insert Project Name]

You are hereby notified to commence WORK on or before _____
_____, 2026,

in accordance with the Agreement dated _____, 2026, and
you are to substantially complete the WORK by no later than [Insert Date].

CITY OF CRAIG

By: Peter Brixius, City Manager

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED is hereby acknowledged by __

_____ this _____ day of _____ 2026.

By: _____

Title: _____

Employer Identification Number: _____

2026 Curb & Gutter and Concrete Improvements

GENERAL CONDITIONS

(Index)

1.01 Definitions

AWARD AND EXECUTION OF CONTRACT

1.02 Evidence of Qualifications

1.03 Award of Contract

1.04 Execution of Contract

1.05 Assignment of Contract

1.06 Subcontractors

1.07 Data Sheets

BONDS AND INSURANCE

1.08 Performance and Payment Bonds

1.09 Insurance

CONTROL OF WORK

1.10 Plans and Specifications

1.11 Shop Drawings

1.12 Materials, Services and Facilities

1.13 Schedule of Work

1.14 Sanitary Conveniences

1.15 Use of Premises

1.16 Safety

1.17 Protection of Project and Property

1.18 Compliance with Regulations

1.19 Supervision by the Contractor

1.20 Authority of the Engineer

1.21 Owner's Right to Correct Deficiencies

1.22 Owner's Right to Terminate Contract and Correct Deficiencies

1.23 Storage of Materials

- 1.25 Manufacturer's Directions
- 1.26 Use of Completed Portions
- 1.27 Samples and Tests
- 1.24 Rejected Work and Materials
- 1.25 Manufacturer's Directions
- 1.26 Use of Completed Portions
- 1.27 Samples and Tests
- 1.28 Separate Contracts
- 1.29 Cleaning Up.
- 1.30 Guarantee
- 1.31 Payments to the Contractor
- 1.32 Land and Rights-of-Way
- 1.33 Surveys
- 1.34 Lump Sum Bid Breakdown
- 1.35 Changes in the Work
- 1.36 Liquidated Damages
- 1.37 Extensions to Contract Time
- 1.38 Sales Tax Records
- 1.39 Illegal Immigration

1.01 DEFINITIONS: The following terms shall have the meanings indicated which shall be applicable to both the singular and plural thereof.

ADDENDA - Written or graphic instruments issued prior to the execution of the Agreement which modify or interpret the contract documents, drawings, and specifications, by additions, deletions, clarifications, or corrections.

BID - The offer or proposal of the bidder submitted on the prescribed form setting forth the prices for the work to be performed.

BIDDER - Any person, firm or corporation submitting a bid for the work.

BONDS - Bid, performance, and payment bonds and other instruments of security, furnished by the Contractor and his surety in accordance with the contract documents.

CHANGE ORDER - A written order to the Contractor authorizing an addition, deletion, or revision in the work within the general scope of the Contract Documents or authorizing an adjustment in the contract price or contract time.

CONTRACT DOCUMENTS - The Contract, including Advertisement for Bids, Information for Bidders,

Bid, Bid Bond, Agreement, Payment Bond, Performance Bond, Notice of Award, Notice to Proceed, Change Order, Drawings, Specifications, and Addenda.

CONTRACT PRICE - The total monies payable to the Contractor under the terms and conditions of the Contract Documents.

CONTRACT TIME - The number of calendar days stated in the Contract Documents for the completion of the work.

CONTRACTOR - The person, firm, or corporation with whom the Owner has executed the Agreement.

DRAWINGS - The part of the contract documents which show the characteristics and scope of the work to be performed, and which have been prepared or approved by the Engineer.

ENGINEER - The person, firm or corporation named as such in the contract documents.

NOTICE OF AWARD - The written notice of the acceptance of the Bid Form the Owner to the successful bidder.

OWNER - A public or quasi-public body or authority, corporation, association, partnership, or individual for whom the work is to be performed.

PROJECT - The undertaking to be per as provided in the contract documents.

SHOP DRAWINGS - All drawings, diagrams, illustrations, brochures, schedules, and other data which are prepared by the Contractor, a Subcontractor, Manufacturer, Supplier, or Distributor, which illustrate how specific portions of the work shall be fabricated or installed.

SPECIFICATIONS - A part of the contract documents consisting of written descriptions of the technical nature of materials, equipment, construction systems, standards, and workmanship.

SUBCONTRACTOR - An individual, firm or corporation having a direct Contract with the Contractor or with any other Subcontractor for the performance of a part of the work at the site.

SUPPLIER - Any person or organization who supplies materials or equipment for the work, including that fabricated to a special design, but who does not perform labor at the site.

WRITTEN NOTICE - Any notice to any party of the Agreement relative to any part of this Agreement in

WORK - All labor necessary to produce the construction required by the contract documents, and all materials and equipment incorporated or to be incorporated in the project.

writing and considered delivered and the service thereof completed, when posted in the U.S. Mail to the said party at his last given address or delivered in person to said party or his authorized representative on the work.

AWARD AND EXECUTION OF CONTRACT

1.02EVIDENCE OF QUALIFICATIONS: Upon request of the Owner, a bidder whose bid is under consideration for the award of the Contract shall submit promptly to the Owner any requested information concerning financial resources, construction experience, organization and equipment for performance of the project. Financial statements, if requested, shall be not more than 6 months old.

1.03AWARD OF CONTRACT: The Owner reserves the right to reject all bids and of waiving any irregularities in any bid or in the bidding. The award, if made, will be made within 60 days after opening of the bids.

1.04EXECUTION OF THE CONTRACT: The Contract shall be executed and returned, together with bonds, certification of insurance coverage and other required data within 15 days after the date of the Notice of Award and work shall be commenced not more than 30 days after Notice of Award. If the Contractor

fails to execute the Contract within 15 days, the Owner may require forfeiture of the Bid Bond.

1.05ASSIGNMENT OF THE CONTRACT: "File Contractor shall not assign this Contract, nor any part thereof, without the written consent of the Owner.

1.06SUBCONTRACTORS: The Contractor shall not subcontract any work to be performed to any.

Subcontractor other than those listed in the accepted bid without the written consent of the Owner. If the Contractor shall subcontract any part of this Contract, the Contractor shall be as fully responsible for the acts and omissions of his Subcontractors as he is for his own. Nothing contained in these documents shall create any contractual relationship between any Subcontractor and the Owner.

1.07DATA SHEETS: Data sheets containing information concerning equipment the Contractor offers for use on the project, may be required as part of the Contractor's bid. No changes will be made to the equipment listed on the data sheets after bids are received. There is, however, no obligation on the part of the Owner to accept items listed unless it is determined by the Engineer that they comply fully with the plans and specifications.

BONDS AND INSURANCE

1.08PERFORMANCE AND PAYMENT BONDS: The Contractor shall, within 15 days after the date of the Notice of Award, furnish the Owner with a Performance Bond and a Payment Bond in penal sums equal to the amount of the contract price, conditioned upon the performance by the Contractor of all undertakings, covenants, terms, conditions and agreements of the contract documents, and upon the prompt payment by the Contractor to all persons supplying labor and materials in the prosecution of the work provided by the contract documents. Such bonds shall be executed by the Contractor and a corporate bonding company licensed to transact such business in the state in which the work is to be performed and named on the current list of "Surety Companies Acceptable on Federal Bonds" as published by the Treasury Department, Circular Number 570. If at any time a surety on any such bond is

declared bankrupt, loses its right to do business in the state or is removed from the Treasury Department list, the Contractor shall substitute an acceptable bond within 10 days.

1.09INSURANCE: The Contractor shall not commence work on the project until he and all his Subcontractors have obtained all required insurance, and all policies or acceptable certificates of coverage have been approved by the Owner. All coverage shall extend until expiration of the 1-year guarantee period. Each policy shall bear an endorsement waiving right to cancellation or reduction in coverage without 10 days' notice to the Owner, in writing, delivered by registered mail.

The following constitutes minimum coverage:

A. Comprehensive General Liability and Property Damage:

The General Liability and Property Damage Insurance including vehicle coverage issued to the Contractor and protecting him from all claims for personal injury, including death, and all claims for

destruction of or damage to property, arising out of or in connection with any operations under the contract. Insurance shall be written with a limit of liability of not less than \$300,000 for all damages arising out of bodily injury, including death, at any time resulting therefrom, sustained by any one person in any one accident; and a limit of liability of not less than \$500,000 for any such damages sustained by two or more persons in any one accident.

Insurance shall be written with a limit of liability of not less than \$100,000 for all property damage sustained by any one person in any one accident; and a limit of liability of not less than \$300,000 for any such damage sustained by two or more persons in any one accident.

Comprehensive General Liability Insurance will include as additional named insureds: The Owner; the Engineer and his consultants; and each of their officers, agents, and employees.

B. Workmen's Compensation Insurance:

Before the agreement between the Owner and the Contractor is entered, the Contractor will submit written evidence that he and all Subcontractors have obtained for the period of the Contract full Workmen's Compensation Insurance coverage for all persons whom they employ or may employ in carrying out the work under this Contract. This insurance will be in strict accordance with the requirements of the most current and applicable State Workmen's Compensation Insurance Laws.

C. Builder's Risk "All-Risk" Insurance:

Before agreement between the Owner and the Contractor, the Contractor will submit written evidence that he has obtained for the period of the Contract, Builder's Risk "All-Risk" Completed Value insurance coverage, (including earthquake) upon the entire project which is the subject of this Contract and including completed work and work in progress. Such insurance shall include as additional named insureds: The Owner; the Engineer and his consultants; and each of their officers; employees and agents; and any other persons with an insurable interest designated by the Owner as an additional named insured.

Such insurance may have a deductible clause but not exceed \$250.00 (The deductible on earthquake may be in accordance with the Underwriters requirements.)

D. Special Insurance:

The Contractor shall be required to obtain, at his sole expense, any additional insurance or increased coverage that may be required as a condition of permits, easements, or rights-of-way agreements, including those obtained by the Owner.

E. Indemnity:

The Contractor will hold harmless, indemnify and defend the Owner, the Engineer and his consultants, and each of their officers and employees and agents, from any and all liability claims, losses or damage arising or alleged to arise from the performance of the work described herein, but not including the sole negligence of the Owner, the Engineer and his consultants, and each of their officers and employees and agents.

CONTROL OF THE WORK

1.10 PLANS AND SPECIFICATIONS: The intent of the drawings and specifications is that the Contractor shall furnish all labor, materials, tools, equipment, and transportation necessary for the proper execution of the work in accordance with the contract documents and all incidental work necessary to complete the project in an acceptable manner, ready for use, occupancy or operation by the Owner.

In case of conflict between the drawings and specifications, the specifications shall govern. Figure dimensions on drawings shall govern over scale dimensions, and detailed drawings shall govern over general drawings.

In case of a discrepancy in the documents, not including the plans, the following shall be the order of precedence:

- Special
- Provisions
- General
- Conditions

- Construction Specifications

Any discrepancies found between the drawings and specifications and site conditions or any inconsistencies or ambiguities in the drawings or specifications shall be immediately reported to the Engineer, in writing, who shall promptly correct such inconsistencies or ambiguities in writing. Work done by the Contractor after his discovery of such discrepancies, inconsistencies or ambiguities shall be done at the Contractor's risk.

1.1 SHOP DRAWINGS: The Contractor shall provide shop drawings as needed for the prosecution of the work. No equipment shall be delivered to the site without the Contractor first obtaining the Engineer's review of shop drawings.

Shop drawings shall include detailed dimensions sufficient for construction of all adjoining improvements and to confirm compliance with contract documents; a complete description of chemical composition; a complete operational description; and a certification by the Manufacturer that the material or equipment conforms to all applicable requirements. Standard specifications with which compliance is required shall be referenced in the certification.

Shop drawings shall be submitted in triplicate and shall bear the Contractor's certification that he has reviewed, checked, and approved the shop drawings and that they are in conformance with the requirements of the contract documents.

The Engineer shall return shop drawings to the Contractor within 14 days from the time of receipt. If they are returned noted disapproved, they shall be resubmitted with necessary revisions, and the 14-day review period again shall be required.

A set of reviewed shop drawings shall be maintained in good order at the site of the work by the Contractor. Said drawings shall be available to the Owner and the Engineer.

- 1.12 MATERIALS, SERVICES AND FACILITIES:** It is understood that, except as otherwise specifically stated in the contract documents, the Contractor shall provide and pay for all materials, labor, tools, equipment, water, light, power, transportation, supervision, temporary construction of any nature, and all other services and facilities of any nature whatsoever necessary to execute, complete, and deliver the work within the specified time.

All materials incorporated into the work shall be new and of the best available grade. Whenever, in the specifications, any material or article is specified by name it shall be deemed to have been done to establish a standard of quality and facilitate the description of the operation desired and shall be followed by the words "or equal." The burden of proof as to the equality of alternatives rests on the Contractor. The Engineer shall be the sole judge as to the suitability of alternate articles or materials and his decision shall be final.

- 1.13 SCHEDULE OF WORK:** Prior to beginning work, the Contractor shall submit a proposed work schedule outlining the way he proposes to handle the project. The schedule shall describe the locations, times, and rates of progress for each crew or each location of work. The Contractor's schedule shall be subject to the review and approval of the Owner.

- 1.14 SANITARY CONVENIENCES:** The Contractor shall supply sanitary conveniences suitable for use by workmen and in compliance with any Local, State or Federal regulations.

- 1.15 USE OF PREMISES:** The Contractor shall confine his operations to the designated limits or make other arrangements at his expense.

- 1.16 SAFETY:** In accordance with generally accepted construction practices, the Contractor will be solely and completely responsible for conditions of the job site, including safety of all persons and property during performance of the work. This requirement will apply continuously and not be limited to normal working hours.

The duty of the Engineer to conduct construction observation of the Contractor's performance is not.

intended to include review of the adequacy of the Contractor's safety measures, in, on, or near the construction site.

- 1.17 PROTECTION OF PROJECT AND PROPERTY:** The Contractor shall be solely responsible for the protection of the project from any occurrence, natural or unnatural, until the project is completed and accepted by the Owner.

The Contractor shall also be responsible for the protection of other property at the site or adjacent thereto including trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities. Any damage done to property of others shall be restored to the original condition at the Contractor's expense.

- 1.18 COMPLIANCE WITH REGULATIONS:** The Contractor shall comply with all applicable laws, ordinances, rules, regulations, and orders of any public body having jurisdiction.

- 1.19 SUPERVISION BY CONTRACTOR:** The Contractor will supervise and direct the work. He will be solely responsible for the means and techniques sequences and procedures of construction. The Contractor will employ and maintain on the work a qualified Supervisor or Superintendent who shall have been designated by the Contractor as the Contractor's representative at the site. The Supervisor shall have full authority to act on behalf of the Contractor and all communications given to the Supervisor shall be as binding as if given to the Contractor.

Any Superintendent or other Contractor's employee who consistently fails to comply with plan and specification requirements, fails to cooperate with the Owner or Engineer, or is for any reason deemed unacceptable to the Owner, shall immediately be removed from the project upon request by the Owner or Engineer.

1.20 AUTHORITY OF THE ENGINEER: The Engineer, at the option of the Owner, may be designated to function as the Owner's representative to observe construction of the project. As the designated representative of the Owner, the Engineer and his representatives shall have complete access to the work.

The Engineer may require that the Contractor leave work uncovered until it can be observed.

Observation by the Owner and/or Engineer will be cursory and shall not replace superintendence by the Contractor nor relieve the Contractor from responsibility for complete compliance with the contract documents.

The Engineer will decide all questions which may arise as to the quality and acceptability of materials furnished, work performed, rate of progress of work, interpretation of drawings and specifications and all questions as to the acceptable fulfillment of the Contract on the part of the Contractor.

The Engineer or the Owner shall have the authority to suspend the work, wholly or in part, as he may deem necessary, due to unsuitable weather conditions or failure on the part of the Contractor to carry out the provisions of the Contract relating to quality of work, or such other conditions which, in the opinion of the Engineer or Owner, would produce completed work not in conformance with the requirements of the Contract Documents.

1.210 OWNER'S RIGHT TO CORRECT DEFICIENCIES: Upon failure of the Contractor to perform the work in accordance with the Contract Documents, including any requirements with respect to the Schedule of Completion, and after 5 days' written notice to the Contractor and receipt of written approval from the Engineer, the Owner may, without prejudice to any other remedy he may have, correct such deficiencies.

1.22 OWNER'S RIGHT TO TERMINATE CONTRACT AND CORRECT DEFICIENCIES: If the Contractor should be adjudged a bankrupt, or if he should make a general assignment for the benefit of his creditors, or if a receiver should be appointed on account of his insolvency, or if he should persistently or repeatedly refuse or should fail, except in cases for which extensions of time are provided, to supply enough properly skilled workmen or materials, or if he should fail to make payments to Subcontractors or for material or labor, so as to affect the progress of the work, or persistently be guilty of a substantial violation of the Contract, then the Owner, upon the written notice of the Engineer that sufficient cause exists to justify such action may, without prejudice to any other right or remedy and after giving the Contractor and his surety 7 days' written notice, terminate the employment of the Contractor and take possession of the premises and of all materials, tools, equipment and other facilities installed on the work and paid for by the Owner, and finish the work by whatever method he may deem expedient. In such case the Contractor shall not be entitled to receive any further payment until the work is finished. If the unpaid balance of the contract price shall exceed the expense of finishing the work, including compensation for additional managerial and administrative services, such excess shall be paid to the Contractor. If such expenses exceed such unpaid balance, the Contractor will pay the difference to the Owner. The expense incurred by the Owner as herein provided, and the damage incurred through the Contractor's default, shall be certified by the Engineer.

Where the Contract has been terminated by the Owner, said termination shall not affect or terminate any of the rights of the Owner as against the Contractor or his surety then existing, or which may thereafter accrue because of such default. Any retention or payment of money by the Owner due to the Contractor under the terms of the Contract, shall not release the Contractor or his surety from liability for his default.

1.23 STORAGE OF MATERIALS: Materials shall be so stored as to ensure the preservation of their quality and fitness for the work. When considered necessary, they should be placed on wooden platforms or other hard, clean surfaces and not on the ground, and/or

they should be placed under cover. Stored materials shall be located to facilitate prompt inspection. Private property shall not be used for storage purposes without the written permission of the Owner or Lessee.

1.24REJECTED WORK AND MATERIALS: All materials which do not conform to the requirements of the contract documents are not equal to samples approved by the Engineer or are in any way unsatisfactory or unsuited to the purpose for which they are intended, shall be rejected. Any defective work whether the result of poor workmanship, use of defective materials, damage through carelessness or any other cause shall be removed within 10 days after written notice is given by the Engineer, and the work shall be re-executed by the Contractor. The fact that the Engineer may have previously overlooked such defective work shall not constitute an acceptance of any part of it.

I. Should the Contractor fail to remove rejected work or materials within 10 days after written notice to do so, the Owner may remove them and may store the materials.

1.25MANUFACTURER'S DIRECTIONS: Manufactured articles, material and equipment shall be applied, installed, connected, erected, used, cleaned, and conditioned as directed by the Manufacturer unless herein specified to the contrary.

1.26USE OF COMPLETED PORTIONS: The Owner shall have the right to take possession of and use any completed or partially completed portions of the work, notwithstanding that the time for completing the entire work or such portions may not have expired; but such taking possession and use shall not be deemed an acceptance of any work not completed in accordance with the contract documents. If such prior use increases the cost of or delays the completion of uncompleted work or causes refinishing of completed work, the Contractor shall be entitled to such extra compensation, or extension of time or both, as the Engineer may determine.

1.27SAMPLES AND TESTS: All samples called for in the specifications or required by the Engineer shall be furnished and transported by the Contractor at his expense.

All testing of samples and all field testing to confirm compliance with specifications are to be performed by a private testing lab approved by the Engineer.

Typical tests to be performed at the Contractor's expense include the following:

Pipe I hydrostatic Tests
Pipe 3 Edge Bearing
Tests Concrete
Compression Tests
Mortar Compression
Tests Compaction
Tests

Asphalt Pavement Tests

The preceding does not represent all testing that may be required. They are typical examples only. All other tests required by the contract documents shall also be performed.

1.28SEPARATE CONTRACTS: The Owner reserves the right to let other contracts in connection with this project. The Contractor shall afford other contractors' reasonable opportunity for the introduction and storage of their materials and the execution of their work and shall properly connect and coordinate his work with theirs. If the proper execution or results of any part of the Contractor's work depends upon the work of any other Contractor, the contractor shall inspect and promptly report to the Engineer any defects in such work that render it unsuitable for such proper execution and results.

The Owner may perform additional work related to the project by himself, or he may let other contract containing provisions similar to these. The Contractor will afford the other Contractors who are parties to such Contract (or the Owner, if he is performing the additional work himself),

reasonable opportunity for the introduction and storage of materials and equipment and the execution of work and shall properly connect and coordinate his work with theirs.

1.29CLEANING UP: The Contractor shall remove from the Owner's property, and from all public and private property, all temporary structures, rubbish, and waste materials resulting from his operation or caused by his employees and shall remove all surplus materials leaving the site smooth, clean and true to line and grade.

1.30GUARANTEE: All work shall be constructed in compliance with standard construction codes, and must be guaranteed, in writing, for a period of 1 year from the date of final acceptance, or for such longer period as may be required in the Special Provisions.

In placing orders for materials and equipment, the Contractor shall purchase same, only under a written guarantee from the respective manufacturers that the items supplied will function satisfactorily as an integral part of the completed project in accordance with the plans and specifications. Furthermore, the Contractor shall require that the manufacturer agree in writing at the time the order for materials or equipment is placed, that he will be responsible for the proper functioning in cooperation with the Contractor, and that whenever necessary during the installation period or tuning-up period following construction period, the manufacturer will supply, without additional cost to the Owner, such superintendence and mechanical labor any adjustments and additional materials, parts and labor needed to make the equipment function satisfactorily, even if same was not shown on approved shop drawings.

The Contractor's Performance Bond shall remain in force throughout the guarantee period to ensure faithful performance of guaranteed requirements.

1.31PAYMENTS TO CONTRACTOR: At the end of each month the Contractor will submit to the Engineer a partial payment estimate filled out and signed by the Contractor covering the work performed during the previous month and supported by such data as the Engineer may reasonably require. If payment is requested on the basis of materials and equipment not incorporated in the work but delivered and suitably stored at or near the site, the partial payment estimate shall also be accompanied by such supporting data, satisfactory to the Owner, as will establish the Owner's title to the material and equipment and protect his interest therein, including applicable insurance. The Engineer will, within 10 days after receipt of each partial payment estimate, either indicate in writing his approval of payment and present the partial payment estimate to the Owner, or return the partial payment estimate to the Contractor indicating in writing his reasons for refusing to approve payment. In the latter case, the Contractor may make the necessary corrections and resubmit the estimate.

Should the Contractor and the Engineer be unable to reach agreement, the Engineer's decision shall be.

The Owner will, within 30 days of presentation to him of an approved partial payment estimate, pay the Contractor a progress payment based on the approved partial payment estimate. The Owner shall retain 10% of the amount of each payment until final completion and acceptance of all work covered by the contract documents.

1.32LAND AND RIGHTS-OF-WAY: The Owner shall obtain all land and rights-of-way necessary for carrying out and for the completion of the work to be performed pursuant to the contract documents, unless otherwise mutually agreed.

The Owner shall provide the Contractor information which delineates and describes the lands owned and rights-of-way acquired.

The Contractor shall provide at his own expense and without liability to the Owner any additional land and access thereto that the Contractor may desire for temporary construction facilities, or for storage of materials.

1.33SURVEYS: The Owner shall furnish base lines and benchmark elevations for locating the principal components of the work. Unless otherwise specified the Contractor shall set remaining stakes.

More specifically the Owner, through the Engineer, will provide the following stakes.

- Paving and/or Curb and Gutter Projects

Center line of intersection and benchmark elevations at one block intervals.

- Graded Pipelines

Alignment at P.I.s of curves and points of deflections. Benchmarks at one block intervals.

- Ungraded Pipelines

Alignment at P.I.s of curves and points of deflections.

- Buildings, Structures or Other Facilities on Confined Sites

Base line and benchmark.

The Contractor shall carefully preserve stakes established by the Engineer, and in case of their destruction, he shall be charged with the expense of replacement.

1.34 LUMP SUM BID BREAKDOWN: Prior to execution of the final agreement, the Contractor shall submit a detailed breakdown of his lump sum bid. Said breakdown shall describe the various categories of work and the associated cost.

The sum of the items in the breakdown shall equal the total amount of the lump sum bid. The breakdown will be used as the basis for monthly progress payments and changes in work.

The breakdown shall be subject to approval of the Engineer to form completeness and equity. If the

Contractor and the Engineer are unable to agree as to the form of the breakdown, the Engineer shall prepare a form which shall be executed by the Contractor.

Unbalancing of items in the breakdown will cause for rejection of the breakdown.

1.35 CHANGES IN THE WORK: The Owner may, as the need arises, order changes in the work through additions, deletions, or modifications without invalidating the Contract. All such changes shall be made by written order signed by the Owner and the Engineer. Adjustments in contract amounts and contract time shall be determined at the time of changes and shown in the change order.

Adjustments in contract cost will be determined by one of the following methods with the selection as to the method to be used to be at the Owner's sole option:

1. Unit bid prices are contained in the Contractor's original bid and incorporated in the construction contract.

- B. By the lump sum bid breakdown submitted by the Contractor and approved by the Engineer.

3. By a lump sum agreement negotiated between the Owner and the

Contractor.

- D. On a cost-plus basis to include compensation as follows:

For all materials purchased by the Contractor and used in this specific work, he will receive the actual cost of such materials, including freight and delivery charges, as shown by original receipted bills.

2. For all labor, including foremen, engaged in the specific operation, the Contractor will receive the wage prevailing and paid on the project for

each hour that said labor, including foremen, is engaged in such work, to which will be added an amount equal to 30% of the sum thereof.

3. For any machine power and equipment which is deemed necessary or desirable to use, the Contractor will be allowed a reasonable rental price, which will not exceed the prevailing monthly rental rate for comparable equipment.

The Contractor and the Engineer shall compare records of the work performed on a force account basis, at the end of each day. Copies of these records shall be made in duplicate by the Engineer and shall be signed by both the Engineer and the Contractor.

1.36 LIQUIDATED DAMAGES: The date of beginning and the time for completion of the work are essential conditions of the contract documents. The Contractor will proceed with the work at such rate of progress to insure full completion within the contract time. It is expressly understood and agreed, by and between the Contractor and the Owner, that the contract time for the completion of the work described herein is a reasonable time, taking into consideration the average climatic and economic conditions and other factors prevailing in the locality of the work.

If the Contractor shall fail to complete the work within the contract time, or extension of time granted by the Owner, then the Contractor will pay to the Owner the amount for liquidated damages as specified in the bid for each calendar day that the Contractor shall be in default after the time stipulated in the contract documents.

1.37 EXTENSIONS TO CONTRACT TIME: The Contractor may be allowed additional time for completion of the project if delayed by conditions beyond his control, including acts of God, strikes, or suspension of the work by the Owner for reasons unrelated to the Contractor's performance. Requests for additional time must be made by the end of the month following the alleged occurrence or they shall not be considered as valid.

1.38 SALES TAX: No State Sales Taxes shall be paid for any materials purchased for use on this project. The Contractor and each Subcontractor shall prepare and submit an exemption application (State Form DR 172) immediately after notification of award. No purchases shall be made until the exemption number is available.

1.39 ILLEGAL IMMIGRATION: The contractor shall comply with all provisions of Colorado Senate Bill 08193 concerning Illegal Immigration, including the following items:

1. The contractor shall not knowingly employ or contract with an illegal alien to perform work under this contract.
2. The contractor shall not contract with a subcontractor that fails to certify to the contractor that the subcontractor shall not knowingly employ or contract with an illegal alien to perform work under this contract.
3. The contractor shall confirm the employment eligibility of all employees through participation in either the E-Verify Program or the Colorado Department of Labor and Employment Program
4. The contractor is prohibited from using either the E-Verify Program or the Colorado Department of Labor and Employment Program procedures to undertake employment screening of job applicants.
5. If the contractor obtains knowledge that a subcontractor performing work on this contract knowingly employs or contracts with an illegal alien, the contractor shall: (A) Notify the subcontractor and the contracting agency within three days that the contractor has actual knowledge that the subcontractor is employing or contracting with illegal alien (B) Terminate the subcontract with the subcontractor if within three days of receiving the required notice the subcontractor does not stop the employing or contracting with the illegal alien, except that the contractor shall not terminate the contract with the subcontractor if the subcontractor provides information to establish that the subcontractor has not knowingly employed or contracted with an illegal alien.
6. The contractor will comply with any reasonable request by the Colorado Department of Labor and Employment made in course of an investigation undertaken in pursuant to 8-17.6-102(5)

7. SECTION 3

PORTLAND CEMENT CONCRETE

(Index)

<u>Title</u>	<u>Paragraph</u>
General	3.01
Classification	3.02
Concrete Materials	3.03
Mixing	3.04
Testing	3.05
Measurement and Payment	3.06

SECTION 3

SPECIFICATIONS FOR PORTLAND CEMENT CONCRETE

3.01 GENERAL: All of the concrete used in the various structures and appurtenances shall consist of a mixture of an approved Portland Cement, Type 1 or IA, water, fine aggregate, and coarse aggregate mixed in accordance with these specifications and placed as shown on the plans. The concrete work provided for herein shall include all concrete structures and necessary supports and foundations, all as shown in detail on the plans.

3.02 CLASSIFICATION: The following classes of concrete are included in these

specifications and shall be used where specified herein or called for on the plans.

Concrete Class

Minimum Sacks (94 lbs.)	Amount	
Per Cubic Yard of Concrete	6	5
Maximum Water Cement Ratio	6.5 gal/sack	7.5 gal/sack
Percent Entrained Air	3% - 6%	3% - 6%
Minimum 7 Day Compressive	1,800 lbs./sq inch	1,400 lbs./sq inch Strength
Minimum 28 Day Compressive	4,000 lbs./sq inch	3,000 lbs./sq inch Strength

In the absence of any designation to the contrary, concrete used for any construction shall be Class "A".

3.03 CONCRETE MATERIALS:

A. **Portland Cement:** Non-air-entraining Portland Cement shall conform

to the latest requirements of ASTM Designation C 150 for Type 1 Cement. Air-entraining Portland Cement shall conform to the latest requirements of ASTM Designation C 150 for Type 1A Cement.

Manufacturer's certificate of compliance with the above-mentioned specifications will be required.

All Portland Cement shall be dry and free from lumps and all foreign material at the time of mixing as determined by the Engineer.

B. **Fine Aggregate:** Fine aggregate shall consist of clean, hard, durable, uncoated grains of sand, free from lumps, alkali, organic matter, or other deleterious substances and shall be washed when necessary to obtain conformity with these specifications and shall meet the following specific requirements:

1. Gradation: Fine aggregate shall be well graded from coarse to fine and when tested by means of laboratory sieves (U.S. Standard) shall conform to the following requirements:

Percent Passing		
3/8 Inch		100
No. 4	95	100
No. 8	70	90
No. 16	45	80
No. 30	25	55
No. 50	10	30
No. 100	0	10
No. 200	0	3

2. Deleterious Substances: The maximum percentages of deleterious substances shall not exceed the following values:

Clay Lumps	1%
Coal and Lignite	1/2%
Shale, Alkali, Mica, Coated Grains, Soft and Flaky Particles	1%
Material Floating on a Liquid of Specific Gravity of 1.95	0.5%

3. Organic Impurities: Fine aggregate subjected to the calorimetric test for organic impurities and producing a color darker than the standard shall be rejected unless it passes a mortar strength test acceptable to the Engineer.

- 1. Gradation:** Coarse aggregate shall be well graded to the following gradation limits using U.S. Standard Sieves.

Percent Passing by Weight
1-1/2" to 3/4" 3/4" to No 4

Sieve Designation	Min.	Max.	Min.	Max.
2 Inch Sieve		100		
1-1/2 Inch Sieve	90	100		
1 Inch Sieve	20	55		100
3/4 Inch Sieve	0	30	90	100
3/8 Inch Sieve	0	5	20	55
No. 4 Sieve			0	10
No. 8 Sieve			0	5

- B. Deleterious Substances:** Deleterious substances in coarse aggregate shall not exceed the following percentages by weight:

Total Material Passing the No. 200 Sieve (Wash)	3.00%
Clay Lumps	0.50%
Soft Friable Pieces	2.50%
Sticks (Wet)	0.10%
Coal	0.50%
Material floating on a liquid having a specific gravity of 1.95	1.00%
Shale	1.00%

- C. Soundness and Abrasion:** The coarse aggregate shall be satisfactory to the Engineer when tested by standard abrasion and soundness tests.

Water for Concrete: Water that has been approved for drinking purposes or household use by the State or Local Health Department may - be used without being tested. Water from other sources shall be tested as required by the Engineer.

- E. Admixtures:** The Contractor may elect to use an air-entraining or other admixture provided the admixture is specifically approved by the Engineer. Admixtures, to be approved, either for plasticizing, densifying, air-entrainment, or acceleration of hardening of concrete shall, when

added to the mixture, produce a concrete of specified strength in both 7-and 28-day tests. Documentary evidence of acceptability will be required when new or unknown admixtures are proposed for usage.

F. **Storage of Materials:** Cement and aggregates shall be stored at work in such a manner as to prevent deterioration or intrusion of foreign matters. Any material which has deteriorated, or which has been damaged in storage shall not be used for concrete even though it may have been previously approved by the Engineer.

G. **Proportioning:** Proportioning the "dry" constituents of all concrete mixtures shall be accomplished by weighing. The Contractor shall provide adequate and accurate scales for this work. There will be no variance permitted in the minimum cement factor (sacks per cubic yard) as specified for the classes of concrete. The total quantity of mixing water per sack of cement including free water in the aggregates shall in no case exceed the maximum specified herein.

The Contractor shall be responsible for developing the proper proportions of aggregates, cement and water that will conform to the various requirements of these specifications. The proportions as developed shall be submitted to the Engineer along with at least 2 sets of certified 7-day test results for review and approval. No concrete will be incorporated into the work until the proportions are approved by the Engineer.

The proportions for the concrete mixture approved by the Engineer shall not be modified without the specific approval of the Engineer and then only as may be required to provide the proper consistency and workability.

3.04 **MIXING:** The concrete shall be mixed in a batch type mixer of a type approved by the Engineer. The volume of the mixed material for each batch shall not exceed the Manufacturer's rated capacity of the mixer, and the speed in revolutions of the mixer drum shall be in accordance with the Manufacturer's recommendations.

A. **General:** Hand mixing will not be permitted except with the permission of the Engineer and then only in very small quantities or in the case of an emergency.

If the Contractor elects to use air-entraining admixture with Type 1 Portland Cement for air-entraining concrete, the mixer shall be equipped with a suitable automatic dispensing device which will proportion the air-entraining admixture accurately to each batch of concrete. The device shall be calibrated and adjusted to deliver to each batch of concrete the quantity of admixture required to produce the specified air content in the

B. Truck Mixing: Truck mixers, unless otherwise authorized, shall be of the revolving drum type, watertight, and so constructed that the concrete can be mixed to ensure a uniform distribution of materials throughout the mass. All solid materials for the concrete shall be accurately measured in accordance with the approved mix proportions and charged into the drum at the proportioning plant. Except as subsequently provided, the truck mixer shall be equipped with a tank for carrying mixing water. Only the prescribed amount of water shall be placed in the tank unless the tank is equipped with a device by which the quantity of water added can be readily verified. The mixing water may be added directly to the batch, in which case a tank will not be required. Truck mixers may be required to be provided with means by which the mixing time can be readily verified by the Engineer. Mixing shall begin within 30 minutes after the cement has been added either to water or aggregate.

Concrete transported in a truck mixer or agitator shall be discharged at the job and placed in its final position in the forms within 1-1/2 hours after the introduction of the mixing water to the cement and aggregate, or cement to the aggregate, except that in hot weather or under conditions contributing to the quick stiffening or setting of the concrete, the maximum allowable time shall be reduced by the Engineer.

Concrete shall be delivered at a rate such that no time intervals between 2 consecutive batches or loads shall exceed 45 minutes, unless otherwise permitted by the Engineer.

The volume of the mixed material for each batch shall not exceed the Manufacturer's rated capacity of the mixer, and the speed in revolutions of the mixer drum shall be in accordance with the Manufacturer's recommendations.

C. Job Mixing: All concrete shall be mixed for a period of not less than 11/2 minutes after all materials, including water, are in the mixer.

The entire contents of the mixer shall be removed from the drum before materials for the succeeding batch are placed therein. No mixer shall be operated above its rated capacity and no mixer of a rated capacity of less than 1 sack shall be used.

Concrete shall be mixed only in such quantities as are required for immediate use and shall be placed while fresh, before initial set has occurred. Any concrete in which initial set has begun shall be wasted. Re-tempering of concrete will not be allowed.

3.05 TESTING: Concrete testing and collection of samples for test shall be performed by a test laboratory approved by the Engineer. All testing services shall be provided in accordance with ASTM standards where applicable.

In general, not less than 2 test specimens shall be made each day concrete is poured. The number of specimens required for each day's pouring shall be as follows:

25 Cubic Yards to 100 Cubic Yards	4 Specimens
100 Cubic Yards or more	6 Specimens

For the purposes of representing the strength and quality of the concrete in the structures, the test specimen shall be cured adjacent to, and in the same manner, as the concrete in the structure for the first 72 hours.

All testing equipment, including test specimen molds, slump cones, entrained-air measuring meters, and volume measuring devices shall be furnished by the Contractor. All costs in connection with making quality tests, transporting test specimens, payment for laboratory testing, shall be a Contractor's responsibility and these costs shall be included in the bid prices shown in the Bid Form.

1 set of slump cones and cylinder models shall always be kept on the site and shall always be available for use by the Engineer. All concrete shall be subject to random sampling by the Engineer. Samples collected by the Engineer shall be tested by the laboratory as previously described.

3.06 MEASUREMENT AND PAYMENT: All payments for concrete materials, handling, mixing, storage, placing, etc. shall be merged in the respective bid items. No separate payments are allowed for concrete.

SECTION 4
EXCAVATION AND BACKFILL FOR STRUCTURES
(Index)

<u>Title</u>	<u>Paragraph</u>
General	4.01
Classification	4.02
Concrete Materials	4.03
Mixing	4.04
Testing	4.05
Measurement and Payment.....	4.06

SECTION 4

EXCAVATION AND BACKFILL FOR STRUCTURES

4.01 GENERAL: The work covered by this section consists of furnishing all labor, materials and equipment involved in connection with general site or structural excavation and backfilling not described elsewhere in these documents.

4.02 SAFETY: Safety of the workmen, protection of nearby facilities and protection of work in progress are the sole responsibility of the Contractor. Methods used in construction shall be such as to ensure protection of the aforementioned.

All work shall be performed in compliance with Local, State, and Federal regulations.

4.03 STRUCTURAL EXCAVATION: Excavation for structures includes the removal of all materials of whatever nature encountered, necessary for the construction shown on the plans. It shall include the construction of all temporary cribs, cofferdams, caissons, or other items incidental to performance of the work.

Foundations shall be excavated to the elevation shown on the drawings in a manner which will ensure removal of all loose or disturbed material from the surface upon which a foundation is to bear.

When foundations are in rock or other hard material the excavation shall be cut to a clean surface, either level or stepped, cleaned of all loose material, and all seams or holes filled with mortar or grout prior to placing concrete.

4.04 DEWATERING: Where water is encountered in excavations it shall be removed by wells, well points, sumps and pumps or other means suitable to remove water from the bottom of the excavation and a sufficient distance below to permit work to proceed under dry conditions.

4.05 UNSTABLE MATERIAL: If the material at the bottom of the excavation remains unstable after de-water and, in the opinion of the Engineer, modified de-watering techniques would not solve the problem, it may be ordered removed and replaced. In such a situation, the Contractor would be reimbursed by a change order. If, however, an improved de-watering approach would, in the opinion of the Engineer, result in a suitable subgrade, the technique would be modified, and no compensation allowed.

4.06 **BARROW OR DISPOSAL OF EXCESS MATERIAL:** If no barrow or disposal areas are shown on the plans, or if areas designated are inadequate for the total need, it shall be the Contractor's responsibility to dispose of all excess material off the Owner's site or arrange for additional suitable material from another source. Any costs associated with off-site barrow or disposal would be borne by the Contractor.

4.07 **DRAINAGE:** The Contractor shall control drainage in the vicinity of structures as required to prevent surface water from entering excavation.

4.08 **BACKFILL:** Backfill shall be composed of earth, sand, or gravel free from organics or other objectionable foreign matter.

Fill shall be placed in a manner that will avoid any damage to structures and compacted to 90% as determined by AASHTO Method T99.

Backfill may be achieved by mechanical compaction in lifts or by inundation. If inundation is used lifts shall be limited to 6 feet.

4.09 **GRADING AND CLEANUP:** General grading shall be done to bring the finished ground surface to the elevations shown on the plans, or, in the absence of sufficient plan elevation, graded to present a smooth neat appearance with drainage away from structures. The entire area shall be left neat and clean.

4.10 **MEASUREMENT AND PAYMENT:** The cost of structural excavation and backfill shall be merged into the other items' bid. No separate payment is provided.

SECTION 5
PLACING AND FINISHING STRUCTURAL CONCRETE
(Index)

Title	Paragraph
General	5.01
Forms	5.02
Placing Structural Concrete	5.03
Finishing	5.04
Curing	5.05
Cold Weather Concreting	5.06
Removal of Falsework and Forms	5.07
Miscellaneous	5.08
Measurement and Payment	5.09

SECTION 5

PLACING AND FINISHING STRUCTURAL CONCRETE

- 5.01 **GENERAL:** Structural concrete is defined as all concrete, formed or unformed, used in construction, unless otherwise specifically designated on the plans or in these specifications.
- 5.02 **FORMS:** The Contractor shall provide suitable forms with smooth surfaces, or ample strength, and rigidly braced. The bracing shall be entirely adequate to prevent deviations from the correct lines. Forms shall be substantially watertight. No form shall be used which is not clean and of proper shape and strength, and in every way suitable for the purposes to which it is adapted. Deformed, broken, or defective forms shall be removed from work. Before placing concrete, the forms shall be cleaned and oiled or coated with other suitable substances, approved by the Engineer, to prevent adherence of concrete to the surfaces.

All wooden forms shall be built of clean, sound No. 1 yellow pine lumber, reasonably free from knots, dressed on all sides, and neatly fitted. Tongued and grooved material shall be used and securely fastened by nails, screws, or bolts to the ribs or supports. Suitable steel or plywood forms may also be used.

Wooden forms for exposed walls shall be lined with plyboard or other smooth-surface-producing lining materials.

Forms shall be designed for the loads which will be placed upon them and shall be solidly braced and anchored to prevent deformation while placing and vibrating concrete.

Forms shall be rigidly tied together to prevent warping or moving. Only form clamps of an approved pattern utilizing rods that will terminate at least 1 inch below the faces of the work when the forms are removed will be used.

- 5.03 **PLACING STRUCTURAL CONCRETE:** The Contractor shall notify the Engineer or the Owner of his intention to place concrete no less than 24 hours in advance of placement.

- A. **General:** The method and manner of placing shall be such as to avoid the possibility of segregation or separation of the aggregates or the displacement of the reinforcing steel. Underwater placement of concrete will not be permitted except with the approval of the Engineer. Even then the concrete will be placed using "tremies" or other approved tools which will insure against mixing with water or the segregation of the concrete.

The use of long chutes for conveying concrete from the mixing plant to the forms will not be permitted without the specific approval of the Engineer. Depositing a large quantity of concrete at any point and running or working it along the forms will not be permitted, and every effort will be made to place the concrete directly as near its final place in the forms as possible.

B. Placing: Concrete shall be placed in the forms immediately after mixing. The method and manner of placing each batch of concrete shall be such as will prevent segregation of the concrete or displacement of the steel or forms.

Special care shall be taken to fill each part of the forms by depositing concrete directly where it is required. Concrete shall be deposited in horizontal continuous layers, the thickness of which generally shall not exceed 18 to 20 inches. Each layer of concrete shall be placed before the underlying layer has become set and shall be compacted in a manner that will entirely break up and obliterate the tendency to produce a construction joint between the layers.

All concrete placed in walls or columns more than 6 feet shall be spouted, tremied, or otherwise handled so that the actual free fall of the concrete will not exceed 6 feet.

C. Vibrating and Compacting: Concrete shall be vibrated, rammed, tamped, and spaded as required to thoroughly compact the entire mass.

Vibrators used shall be of an approved type with a vibration frequency of not less than 3,600 impulses per minute. A sufficient number of vibrators shall be used to secure the compaction of each batch before the next batch is placed without delaying delivery. There will always be at least one standby vibrator in reserve and ready for service. A full-time operator for each vibrator will be available and without other duties during the placing operations.

Vibrators shall not be pushed rapidly but shall be allowed to work themselves into the concrete mass and must be withdrawn slowly to avoid holes.

The operation of depositing and compacting the concrete shall be conducted to form a compact, dense, impervious, artificial stone of uniform texture which shall show smooth faces when forms are removed.

- D. **Joints:** Expansion joints shall be constructed where and as indicated on the plans. Unless otherwise shown or specified, the expansion joint material shall be set back from the exposed faces of the concrete 1/2 inch, and the edges of the adjacent concrete shall be beveled at a 45° angle from the face.

Construction joints shall only be made in such places and in such manner that they will have the least possible effect upon the strength of the structure. All joints shall be roughened and thoroughly cleaned before joining new concrete to old.

Where new concrete is added to old at a joint, the mix will be

"enriched" by the addition of one full sack of cement to the first batch to be placed against the old concrete to provide a proper bond between the concrete sections.

Bulkheads shall be used in constructing all joints other than

horizontal. Shear keys shall be provided in joints as shown on the plans or as may be directed by the Engineer. Shear keys when formed into the concrete may be made by the insertion of any subsequent removal of a water saturated timber of the specified dimensions.

- 5.04 **FINISH:** All concrete surfaces shall be finished in accordance with the schedule called for on the plans. Where there is no finish specified on the plans and the surface is to be covered with backfill materials or otherwise concealed from view, the finish shall be assumed to be Class 1, unless otherwise directed by the Engineer. Where there is no finish specified and the surface will be exposed to view, the finish shall be assumed to be Class 2, unless otherwise directed by the Engineer.

- A. **Class 1 Finish:** Class 1 finish shall be a smooth finish, free of honeycomb, air pockets, rock pockets, excessive indentations, or protrusions.

Immediately after the forms have been removed, the Contractor shall remove all form bolts and tie wires to a depth of at least 1/2 inch below the surface of the concrete. All holes and depressions caused by the removal or setting back of form bolts or tie wires shall be cleaned and filled with Portland Cement mortar composed of 1 part by volume cement and 2 parts sand. All rock pockets, honeycomb, and air pockets shall be chipped out, cleaned, and filled with mortar, all in compliance with instructions of the Engineer. If, in the judgment of the Engineer, rock pockets are of such an extent or character as to materially affect the strength of the structure or to endanger the life of the steel reinforcement, he may declare the concrete defective and order the complete removal and replacement of that portion of the structure so affected.

All mortar patches shall be carefully made using a very dry mortar tamped firmly in the void. The patches shall be kept wet for a period of 3 days after which it will be inspected for shrinkage cracks. Excessive cracking will require complete removal and replacement of the patch.

B. Class 2 Finish: When Class 2 finish is specified on the plans or when no finish is specified and the surface is to be exposed in the finished work, the surface will first be given Class 1 surface finish. After the Class 1 finish is completed, the surface will be rubbed with No. 16 Carborundum Brick or a mechanical finisher sufficiently to remove all major protrusions, form ridges, and other unsightly bulges or bursts, such that when finished, the surface shall be reasonably smooth and neat in appearance. Immediately upon completion of the rubbing or finishing with the mechanical finisher and while the concrete is still less than 7 days old, the entire surface will be painted with a mortar mix of 1-part Portland Cement and 1-part fine sand. The sand shall pass a No. 16 screen. The cement mortar shall be vigorously scrubbed into the surface while fresh with a scrub brush or wood float. When the cement mortar has set sufficiently so that the sand particles will not drag out of pinholes, before final set has taken place, the entire surface shall be thoroughly rubbed with dry burlap or a carpet float until a smooth surface free of mortar and of even texture is obtained.

This surface, when finished, shall be neat, relatively smooth, and capable of being left without paint, and still present a pleasing appearance.

C. Class 3 Finish: When Class 3 finish is specified on the plans or these specifications, the entire surface will first be given a Class 1 finish immediately after removal of the forms. Forms on vertical faces to receive Class 3 finish should be removed as soon as possible consistent with safety of the structure and workmen. Immediately after the completion of Class 1 finish the entire surface shall be thoroughly wetted and rubbed with a No. 16 carborundum stone until the surface is smooth and coated with paste. The rubbing shall be continued sufficiently to remove all form marks and projections and fill all air pockets and voids. When the surface is smooth, dense, and free from pit marks or other irregularities, the paste that has been worked up by the stone shall be spread smoothly and allowed to reset.

If, when the paste has set there are, in the judgment of the Engineer, discoloration, visible form marks, or other irregularities affecting the desired appearance, the Engineer may specify the following additional treatment: The entire surface shall be coated with a layer of cement mortar composed of 1-part normal Portland Cement,

1-part White. Portland Cement, and 2 parts fine sand of such size that it will pass a No. 16 screen. The cement mortar shall be vigorously scrubbed into the surface with a scrub brush or wood float. When the mortar has set sufficiently so that sand particles will not drag out of pinholes in the surface, but before final set has taken place, the entire surface shall be thoroughly rubbed with dry burlap or a carpet

float until a smooth surface, free of mortar, and of even texture, color, and appearance is obtained.

- D. General:** The care and attention given to form work will have a direct effect upon the amount of work to be performed on the surface after the forms have been removed. The Engineer shall be the sole judge of the acceptability of the finished surface and when, in the judgment of the Engineer, the surface needs additional work, the Contractor shall perform this work in accordance with these instructions.

5.05 CURING: Fresh concrete shall be adequately protected from weather damage and mechanical injury during the curing periods. Curing processes described herein may be used at the option of the Contractor. Whatever the curing process chosen, it shall be started as soon as it can be done without injury to the concrete surface.

The following curing procedures may be used provided moisture is continuously available to the concrete:

- Pending (for slabs or footings)
- Spraying
- Wet burlap, earth, or cotton mats
- Waterproof paper or polyethylene plastic cover
- Membrane curing compound.

Membrane curing compound will not be used when concrete surface is to be painted. The type of membrane curing compound chosen shall not discolor the concrete surface as determined by the Engineer.

Where membrane curing compound is not used, the curing process shall be carefully adhered to as follows:

- A. Surfaces being wetted by pending, spraying, or wetted material shall always be kept completely wetted with an excess of free water on the surface for the first 72 hours. After this period, but for the remaining 4 days, a wetting schedule will be followed whereby the concrete is wetted on a schedule approved by the Engineer.
- B. Surfaces being protected by waterproof paper or polyethylene plastic cover shall receive special attention during the first 72 hours to ensure that there is free moisture on the surface of the concrete under the waterproof surface. The Engineer may require the removal of the cover.

and a wetting of the surface when, in his judgment, there is insufficient moisture for curing. After the first 72 hours, the cover shall be kept tightly in place for the remainder of the curing period.

5.06 COLD WEATHER CONCRETING: During extreme weather seasons, placing of concrete will be permitted only under the following conditions:

- A. **Temperature Control:** The temperature of the concrete as placed in the forms shall not be less than 600 F., nor more than 1000 F. To maintain this temperature range, the Contractor shall provide acceptable heating apparatus for heating the aggregates and the water, and in the case of hot conditions, the water may be cooled by addition of ice.
- B. Concrete may be placed when the air temperature, in the shade, is 40° F., and rising. No concrete shall be placed, regardless of present temperature, when the weather forecast promises freezing weather before final set of the concrete unless special means of heating and protection are used. Protection against freezing of the concrete is a contractor's responsibility regardless of the weather forecast or climatic conditions at the time of placing of the concrete.
 - 1. Small structures and slabs may be protected by completely covering the fresh concrete with dry straw and canvas to a depth that ensures protection.
 - 2. Large structures or vertical walls will be protected against freezing by enclosing the structure and heating with salamanders, heaters, or other devices capable of providing uniform and even heat throughout the structure.
- C. Concrete placed in cold weather shall be protected from extreme temperatures as follows:
 - 1. The concrete shall be kept at a temperature of at least 50° F., for the first 72 hours.
 - 2. After the first 72 hours and until the concrete is 7 days old, the concrete will be protected from freezing temperatures.
 - 3. Concrete adjacent to heaters or salamanders shall be insulated from the direct unit which may dry it out prior to being properly cured.
 - 4. Temperatures shall be measured by maximum and minimum thermometers furnished by the Contractor and installed adjacent to the concrete as directed by the Engineer.
- D. Concrete slabs shall not be placed regardless of the temperature conditions if the supporting ground is frozen or contains frost.

- E. The use of salt or other additives to prevent the concrete from freezing will not be allowed.

Concrete which has been frozen shall be completely removed and replaced as directed by and to the satisfaction of the Engineer, all at no added cost to the Owner.

5.07 REMOVAL OF FALSEWORK AND FORMS: The removal of forms shall not be started until concrete has attained the necessary strength to support its own weight and any construction live loads, however, in no case shall removal be made in less than the following periods: Side forms or other non-load-carrying forms may be removed after 24 hours to allow finishing in accordance with these specifications. Load-carrying forms or falsework shall not be removed until after the concrete has attained the 7-day strength, or until the concrete has set for 7 days. Where the new concrete is to be built upon these load-carrying forms and falsework, they may not be removed until the concrete has attained its 28-day strength or until the concrete is 28 days old.

5.08 MISCELLANEOUS:

- A. **Chamfer:** All forms shall be beveled at all sharp corners which will be exposed to public view, unless otherwise directed by the Engineer. Triangular moldings used for fillets shall have 2 equal sides, and shall be of the following sizes:
1. Walls and projections 8 to 18 inches = 3/4 inch
 2. Walls and projections 18 inches and over = **1-1/2** inch
- B. **Concrete Slabs on Grades:** Concrete slabs on grades shall be constructed as a system of independent slabs, formed by construction joints and expansion joints as detailed on the plans. The slabs shall be placed in checkerboard fashion, with a minimum time of 24 hours between placements. When the drawings do not indicate the pattern of construction or the location of joints, the slab shall be divided into approximate squares not exceeding 625 square feet in area. The preferable division lines for slabs shall be the column lines when such exist.

C. Concrete Floor and Slab Finishes:

1. Concrete slabs shall be finished true to line and grade as shown on the plans.
2. Screeds shall be set as required to produce the required grade before Concrete is placed.
3. After the concrete has been screeded off and has set up sufficiently to support a man's weight, it will be given an immediate wood float finish. This is a final finish for slabs to be covered with insulation and/or grouted on coverings.
4. For surfaces to be covered directly by roofing felts, asphalt tile, rubber tile, or other covering set in mastic, cement shall be hand troweled once with a steel trowel following the operation of Paragraph 3 above.
5. All other slabs shall be given second hand troweling and burnishing as well as a hardening and dust-proofing treatment by a colorless aqueous solution of Zinc or Magnesium Fluosilicate applied in strict accordance with manufacturer's recommendations.

5.09 MEASUREMENT AND PAYMENT: All payment for furnishing, placing, forming, and finishing concrete is merged with other pay items involving concrete. No separate payment is allowed for placing and finishing.

SECTION 6

REINFORCING STEEL

(Index)

<u>Title</u>	<u>Paragraph</u>
General	6.01
Materials	6.02
Drawing and Identification	6.03
Protection of Material	6.04
Placing and Fastening.....	6.05
Splices	6.06
Measurement and Payment	6.07

SECTION 6

REINFORCING STEEL

6.01 **GENERAL:** This work shall consist of furnishing and placing reinforcing steel, wire, and wire mesh in accordance with the recommendations of the American Concrete Institute Building Code (ACI 318-56, or subsequent revisions) and these specifications to conform with the detailed drawings.

6.02 **MATERIALS:**

A. Reinforcement: Bar reinforcement for concrete structures shall be deformed bars of intermediate grade meeting the requirements of ASTM Designation A-15 and all subsequent revisions; and deformations on deformed bars shall conform to the standard specifications for minimum requirements for the deformations of deformed steel bars for concrete reinforcement, ASTM Designation A305.

B. Wire and Wire Mesh: Wire and wire mesh, when used for reinforcement in concrete, shall meet the requirements of ASTM Designation A-185-37, and all subsequent revisions.

6.03 **DRAWING AND IDENTIFICATION:** The Contractor shall submit to the Engineer for his approval prior to fabrication, complete and detailed drawings showing the fabrication, identification, and placement of all reinforcing steel called for on the plans. When bar bending diagrams are not shown on the plans, the details of bending shall also be submitted for approval. Bending requiring heating of the steel will not be approved.

6.04 **PROTECTION OF MATERIAL:** Steel reinforcing shall be protected at all times from damage. When placed in the work, it shall be free from dirt, detrimental scale, rust, paint, oil, or other foreign substances.

6.05 **PLACING AND FASTENING:** Reinforcement shall be accurately placed and fastened in the forms as shown on the plans. Metal chairs, spacers, clips, tie wires, hangers and stays as well as pre-cast concrete blocks and supports may be used to keep the reinforcement firmly in place during placement of the concrete. The use of pebbles, pieces of broken stone, brick, or concrete, metal pipe or wood blocks will not be permitted.

Reinforcement in any member shall be placed, inspected, and approved before any concrete is placed. Reinforcing bars shall be securely wired together at each intersection with No. 16 gage wire as it is placed in the forms.

The minimum clear distance between parallel bars, except in columns, shall be one inch or the nominal diameter of bars (greater than one inch). In no case shall the clear distance between bars be less than 1 inch or 1-1/3 times the maximum size of the coarse aggregate.

6.06 SPLICES: All splicing requirements shall be shown in the drawings submitted for approval. All splices of bars in the bottom of beams and in wall columns and haunches shall be lapped 20 diameters, and bars near the top of beams having more than 12 inches of concrete under the bars shall be lapped 30 diameters to make the splice.

No splices will be allowed at critical stress areas or where the section is not sufficient to allow at least 2 inches between the splice and surface of the concrete.

6.07 MEASUREMENT AND PAYMENT: The cost of reinforcement shall be merged into other bid items. No separate payment is to be allowed.

SECTION 51

SUBGRADE PREPARATION

(Index)

<u>Title</u>	<u>Paragraph</u>
General	51.01
Excavation	51.02
Excavation to Grade.....	51.03
Fill	51.04
Disposition of Excavated Material.....	51.05
Tree Removal	51.06
Parkway and Shoulder Finish.....	51.07
Sodding and seeding	51.08
Measurement and Payment	51.09

SECTION 51

SUBGRADE PREPARATION

- 51.01 **GENERAL:** The requirements of this section shall apply to all excavations, embankments, roadway grading, parkway finishing and incidental excavation items for pavement construction, curb, and gutter grading, curb walk, sidewalk, and miscellaneous grading.
- 51.02 **EXCAVATION:** Any material excavated from within the street which is placed in fill or disposed of as directed by the Engineer and any material taken from off the job site and deposited as embankment or fill within the streets shall be designated as excavation.
- 51.03 **EXCAVATION TO GRADE:** Excavation shall be made to grade dimensions and cross-sections as shown on the plans, staked in the field, or as directed by the Engineer. The top of the sub-grade shall be graded to a tolerance of + 0.08 feet elevation. Any deviations more than this amount shall be corrected prior to depositing of the gravel base course material on top of the sub-grade.
- The top 6 inches of the sub-grade shall be compacted to at least 95% of maximum dry density as determined by AASHO Designation T-99.
- Where spongy or unsuitable areas are encountered which, in the opinion of the Engineer, will not provide a suitable sub-grade for pavement, the unsuitable material shall be removed and replaced with suitable material and compacted as herein specified. Such excavation below sub-grade, when required by the Engineer, shall be paid for at a price to be agreed upon prior to commencing the excavation. After compaction, the sub-grade shall be cut to finish as shown on the plans or as directed by the Engineer.
- 51.04 **FILL:** Where fill is required, the fill shall be composed of sound earth, sand, or gravel, free from vegetable matter or other objectionable foreign material. The area to receive fill shall be stripped of all vegetation and other suitable material before fill is started. Slopes shall have surfaces broken up in such a manner that fill material will bond with existing surfaces. The fill shall be placed in layers not to exceed 6 inches when compacted. The material in each layer shall be moistened to produce optimum moisture content and shall be rolled until at least 95% of maximum dry density, as determined by AASHO Designation T-99, has been obtained.
- 51.05 **DISPOSITION OF EXCAVATED MATERIAL:** No direct payment will be made for haul or overhaul of material excavated from the project. Earthmoving or other heavy equipment shall not be allowed to travel over paved roads.

All fill materials required for completion of the construction shall come from excavation shall be considered excess to be disposed of as follows:

A. **Owner's Property:** The Owner has properties and rights-of-way that may require filling material. As directed by the Engineer, these public properties will have first call on any excess excavation material. Special compaction of materials deposited on public property will not be required, however, all such disposal areas shall be shaped and bladed as directed by the Engineer.

B. **Private Property:** After all requirements of the project and the Owner for excess material have been met, any remaining excavated material shall become the property of the Contractor and all arrangements for its disposal shall be his responsibility.

All waste material such as broken asphaltic pavement not used for base, trees or roots, rocks, pipe sections, and other construction debris will be kept picked up and removed from the construction site by the Contractor. Any culvert pipe which can be reasonably salvaged in a usable condition shall be delivered to the Owner's storage yard.

Waste material not usable in the work or salvaged for the Owner shall be disposed of in a dump site mutually agreeable to the Owner,

Contractor, and Engineer.

51.06 TREE REMOVAL: Trees which will interfere with new construction shall be removed. Disposal of all tree material and related debris shall be the responsibility of the Contractor.

Roots larger than 4 inches in diameter shall be removed to provide at least 6 inches vertical clearance below pavement sub-grade and at least 12 inches vertical and horizontal clearance from all other new constructions. Roots of trees which are to remain shall be removed where necessary to provide at least 12 inches clearance from back of curb, edge of sidewalk, or other new structures; at least 6 inches vertical clearance below curbs, sidewalks, and other structures. Holes left by tree removal shall be backfilled and compacted as specified herein.

All necessary precautions shall be taken during removal of trees to assure the personal safety of the public and to prevent damage to adjoining public or private and improvements. Any damage resulting from tree removal shall be repaired,

replaced, or adequate restitution made therefore at the Contractor's expense.

51.07 PARKWAY AND SHOULDER FINISH: All new construction shall be backfilled in the parkway (or shoulder) prior to placing base course material. All disturbed areas between the new construction and the property line shall be brought to a uniform smooth grade, unless otherwise directed by the

Engineer. Hand raking may be required around trees and in areas where large equipment cannot be used. Fill material placed in such areas shall be free from stones, sticks, or other materials which will be objectionable for seeding or sodding purposes. Backfill material shall be suitable for the growth of lawn grass.

Excess material occurring because of parkway and shoulder finishing and other final operations will not be permitted to accumulate on the pavement surface and shall be removed concurrent with the finishing operations. Care shall be taken to prevent the entrance of this material into drainage structures or other waterways during the construction period.

The backfill need not be compacted. However, finish grade should be left a little high to allow for settlement. The Contractor shall maintain the parkway area until final acceptance of the project. No separate payment will be made for this work.

Where there are existing ditches between the curb and the property line which are to remain, grading shall be modified as directed by the Engineer.

51.08 SODDING AND SEEDING: Sodding and seeding will not be required unless specifically called for in the Special Provisions.

51.09 MEASUREMENT AND PAYMENT: Measurement of sub-grade for payment will be made in square yards and measured from back of curb to back of curb, or from back of curb walk to back of curb walk. Where no curb is proposed, measurement shall be to the edge of pavement.

Payment will be made at the contract unit price per square yard shown on the Proposal Form for "Sub-grade Preparation." Said price and payment shall constitute full compensation for all costs of excavation, compacted embankment (including water for compaction), fine grading, parkway finish, haul to waste areas, and disposal of all miscellaneous items encountered in the excavation. On lump sum contracts, no measurement will be made and payment for all work described in this section shall be included in the lump sum amount shown in the Proposal.

SECTION 58

CONCRETE CURB AND GUTTER, CURB-WALK AND VALLEY GUTTER

(Index)

Title	Paragraph
General	58.01
Removal of Existing Concrete Curb, Curb and Gutter, and Concrete Valley Gutter	58.02
Concrete	58.03
Forms.....	58.04
Placement.....	58.05
Joints	58.06
Finishing.....	58.07
Curing	58.08
Driveway Curb Cuts and Alley Curb Cuts	58.09
Joining New and Existing Curb Sections.....	58.10
Concrete Valley Gutter	58.11
Cylinder Testing	58.12
Weather	58.13
Method of Measurement and Payment	58.14

SECTION 58

CONCRETE CURB AND GUTTER, CURB-WALK AND VALLEY GUTTER

58.01 GENERAL: The work covered by this section consists of furnishing all plans, labor, and materials necessary for constructing a combined concrete curb and gutter, curb-walk, or valley gutter on a prepared sub-grade, complete and in accordance with the following specifications and the details and dimensions shown on the plans.

58.02 REMOVAL OF EXISTING CONCRETE CURB, CURB AND GUTTER, AND CONCRETE VALLEY GUTTER: Existing concrete curb, curb and gutter, and valley gutter to be removed are noted on the plans. Where no joint exists at the point designated as the limit of removal, the concrete will be saw-cut at the designated point or limit, except that if such a saw-cut leaves a section of less than 5 feet to the nearest joint, then the section will be removed to the existing joint. The Contractor may, at his option, eliminate the saw-cut completely and remove the entire section to the nearest joint even though it may be beyond the designated limit by more than 5 feet. In this case payment for replacement shall be made only to the point and limits shown on the plans.

58.03 CONCRETE: Concrete for all curb and gutter, curb-walk, valley gutter, catch basins, etc., shall be Class "A" concrete as defined by these specifications.

58.04 FORMS: All forms shall be of wood or metal, straight, free from warp and of sufficient strength when staked to resist the pressure of the concrete without springing and the upper edge shall form a true line. Outside forms for the combination curb and gutter shall be of depth equal to the full depth of the curb and the inside forms shall be of the depth of the gutter and shall be so designed as to permit secure fastening to the outside form. There shall be installed not less than every 6 feet nor more than every 10 feet separator, true to the dimensions and cross-sections of the combination curb and gutter and/or curb-walk. All forms shall be cleaned thoroughly and greased or oiled before concrete is placed against them. Forms that have become worn, bent, or broken shall not be used. The Contractor shall have set and graded a minimum length of 300 feet of curb and gutter forms prior to placing concrete therein. In those cases where the length of one run is less than 300 feet, the Contractor will set and grade forms for the entire run. On short radii curves, steel plates which can be readily formed to the desired radius will be used. Face forms, if used, shall be pre-formed to the

proper radius. In any case, care shall be exercised to ensure the maintenance of the required cross- section around the entire radius.

The Contractor shall provide an approved metal straight edge, 10 feet in length for use in checking the alignment of the forms prior to placing the concrete and to check the concrete surface during the finishing operation.

REMOVAL: Forms shall remain in place at least 12 hours after concrete has been placed against them or for a longer period if necessary. Crowbars or other heavy tools shall not be used against green concrete in removing the forms. Forms should be well cleaned before re-oiling and re-use.

58.05 PLACEMENT: Concrete shall be placed on a compacted and properly prepared sub-grade. Compaction shall be the same as that required for pavement sub-grade. The concrete, when placed in the forms, shall be properly graded with the forms and shall at no time deviate more than 1/4 inch from an accurate straight edge 10 feet in length.

The concrete shall be placed on damp but not wet or muddy sub-grade. The operations of depositing the concrete and compacting shall be so conducted that the concrete shall be smooth and dense, free from honeycomb and free from pockets of segregated aggregate. Sections of segregation or honeycomb which are revealed by removal of the forms shall be removed and replaced or otherwise repaired to the satisfaction of the Engineer.

At the end of the day, or in case of an unavoidable interruption of more than 30 minutes, a transverse construction joint shall be placed at the point of stopping or, provided that the section on which work has been suspended shall not be less than 5 feet. Sections less than 5 feet in length shall be removed. Concrete shall not be placed when weather is stormy, dusty, or otherwise inclement to the point that it precludes good workmanship.

58.06 JOINTS: All joints shall be constructed straight and plumb and shall extend through the entire sections from top to bottom and from edge to back.

1. Expansion Joint: Expansion joint filler 1/2-inch-thick, pre-formed, on-extruding bituminous treated fiber board conforming to AASHTO Specification M59 shall be used to form transverse expansion joints. Expansion joints shall be constructed at each tangent point of the curb radius, at each end of valley gutters, at intermediate spacing not exceeding 100 feet, and at other locations designated by the Engineer

2. Blocking Joints: The curb and gutter shall be divided into blocks not less than 6 feet or more than 10 feet long using metal templates not less than $\frac{1}{16}$ inch nor more than $\frac{1}{4}$ inch thick. The block length to be used shall be approved by the Engineer prior to starting construction and shall be maintained constantly throughout the project. The templates shall be designed to attach securely to the forms in such a manner as to prevent movement while the concrete is being placed and consolidated. Templates shall be removed prior to the concrete taking its initial set.

3. Construction Joints: As required at the end of a day's run, construction joints shall be made at right angles to the longitudinal axis of the curb and gutter and shall be located at the regular spacing designated for block joints unless otherwise specifically permitted by the Engineer. In no case shall any length of curb and gutter be less than 5 feet between joints.

Construction joints shall be formed by use of a bulkhead or divider which shall be removed before continuing with the next run. Edges of the construction joints shall be edged to form a recess for sealing compound similar to that for expansion joints.

4. Other Joints: Expansion type joints shall be placed at the back of all curbs which are poured against concrete driveways, sidewalks or other unyielding structures unless otherwise directed.

58.07 FINISHING: Finishing shall be done with a metal screed or "mule" designed to give proper shape to the section as detailed. Care shall be used to finish the gutter flow line to a true, uniform grade. The back of the curb and the toe of the gutter shall be finished with an edger. Minor honeycombed areas or small defects shall be properly pointed up with a 1 to 2 mix mortar.

Face forms, if used, shall be left in place until the concrete has hardened sufficiently so that they can be removed without injury to the curb. The exposed surfaces shall then be finished smooth and even by means of a moist wood float or a moist brick. Broom finish may be required by the Engineer.

1. Expansion Joints: A joint filler will extend $\frac{1}{2}$ inch above the finished surface of the gutter. The edges of the joint groove shall be rounded with an edger. Before the curb and gutter is opened to traffic, the joint filler shall be cut off level with the finished surface.

2. Block Joints: After removal of templates and finishing, block joints shall be reopened with a mason's trowel, and the line of cut coinciding with and extending into the joint formed by the template. The joint shall be finished with an edger

58.08 CURING: All concrete, including surfaces exposed by removal of forms, shall be fully covered, and protected from moisture evaporation, rapid temperature change, and from rain, flowing water, and mechanical injury during a period of at least 2 hours immediately following the finishing and edging. Water, wetted earth or mat, waterproof paper or membrane curing may be used as the Contractor elects, subject to the approval of the Engineer. Membrane curing compounds shall meet the requirements of the AASHTO Standard Specifications for non-bituminous liquid compounds for curing concrete Designation M148.

58.09 DRIVEWAY CURB CUTS AND ALLEY CURB CUTS: The location of driveway cuts or "curb drops" and alley curb cuts shall be determined in the field by the Engineer.

58.10 JOINING NEW AND EXISTING CURB SECTIONS: There will be many places where the new curb sections or curb-walk sections will join existing vertical curb, curb and gutter or curb-walk. At these locations, a 5-to-10-foot transition section of curb and gutter or curb-walk will be constructed in such a manner that, when finished, the gutter will be free-flowing, and the top of curb will be smooth and neat in appearance.

58.11 CONCRETE GUTTER: Concrete valley gutters shall be constructed at the locations and to the dimensions shown on the drawings. The concrete and the construction of the valley gutters shall conform to all applicable provisions of these specifications, except as modified in the following paragraph.

58.12 CYLINDER TESTING: Concrete test cylinders will be made by the Engineer. The Contractor shall provide cylinder molds and shall have the cylinders delivered to a testing laboratory to be designated by the Owner, the Contractor bearing the cost of testing, unless otherwise specified in the Special Provisions.

The cylinders will be made in accordance with AASHTO Method T-23 and tested in accordance with AASHTO Method T-22.

Tests will be required for each day's run according to the following schedule:

Total Cubic Yards
of Concrete Placed

Minimum Number of Tests
(Two Cylinders Each)

0 to 100
100 to

1 for each 50 Cubic Yards
1 for each 125 Cubic Yards

58.13 WEATHER: No concrete work shall be done if the air temperature is below 400 F. or if the temperature is predicted to be below freezing within 72 hours without satisfactory provision for heating and the approval of the Engineer.

Should freezing weather occur within 72 hours after concrete is placed, protective measures shall immediately be taken.

Recording (maximum/minimum) thermometers shall be installed under protection to confirm heating measures if any concrete is exposed to cold temperatures.

The use of salt or other compounds to protect against freezing will not be permitted. Any concrete exposed to freezing shall be removed. No concrete shall be laid on frozen ground.

No concrete shall be placed during inclement weather unless suitable means are available to protect against damage. Any concrete with damaged finish shall be removed.

58.14 METHOD OF MEASUREMENT AND PAYMENT: The footage of curb and gutter or curb-walk of the type(s) shown on the plans measured along the face of the curb from starting point to completion point will be paid for at the contract unit prices shown in the Bid Form for "curb and gutter" and "curb-walk" of the size specified in the Bid Form. Said payment shall include all labor and materials necessary to complete the work in accordance with the specifications and shall constitute full compensation for the completed work.

Curb and gutter shall be measured and paid for continuously around returns, through inlets, catch basins, alleys, and driveway locations.

No special payment will be made for "curb drops," "transitions," or other minor deviations from the standard dimensions.

The concrete valley gutter shall be measured in accordance with the details shown on the drawings, in place, and shall be paid for at the applicable unit bid price shown in the Bid Form for "Concrete Valley Gutter." Said payment shall include all labor and materials necessary to

complete the work in accordance with these specifications and shall constitute full compensation for the completed work.

On lump sum contracts, no measurement will be made and payment for all work described in this section shall be included in the lump sum amount shown in the Proposal.

SECTION 2

SPECIAL PROVISIONS (Index)

<u>TITLE</u>	<u>SECTION NO.</u>
Description of Project	2.01
Project Schedule	2.02
Forms	2.03
Sales Tax	2.04
Permits	2.05
Traffic Control Devices	2.06
Concrete	2.07
Concrete & Asphalt Replacement	2.08
Qualifications	2.09
Curb Ramps	2.10
Type of Curb and Gutter	2.11
Reinforcement for Concrete Pans	2.12
Backfilling	2.13
Testing	2.14
Bonds	2.15
Notifications	2.16
Warranty	2.17

SECTION 2

SPECIAL PROVISIONS

2.01 Project Description:

The work includes the removal and replacement of approximately 1646LF of curb and gutter replacement, 81sq/ft of sidewalk, driveways and 1024sq/ft of valley pan replacement in the City of Craig from Finley Lane West to Yampa Avenue and the Woodbury Sub-Division. See attached 2026 Concrete Improvements List.

The contractor will be responsible for the demo, installation, and backfilling per section 2.11-2.13 of the special provisions. All concrete and asphalt will be the contractor's responsibility to dispose of appropriately. All concrete and asphalt cuts will require wet sawing practices for dust mitigation. After the bid has been awarded the city will need a phasing schedule of when work will start and end. The completion date for the work will be **September 11, 2026**. Bonding will be required per section 2.15. Contractor must schedule a bid walk before **April 2, 2026**. Bids will not be accepted without a project walk through. If you have any questions regarding the project or to schedule a bid walk, contact Shane Baker or Troy Hampton at 970-824-4463.

This bid schedule is for various concrete work within the City of Craig. This work in part or in whole may be added to or subtracted from **depending on available funds**. Replacement lengths may vary from 10–50-foot sections. There are approximately 51 locations for curb and gutter, and 4 valley pan locations that have been targeted for replacement for 2026.

The city is not responsible for sidewalk improvements (excluding ADA ramps). The city will not be responsible for additional work for driveways and sidewalks unless it is authorized by the city project manager. Homeowners may negotiate with contractors for any additional work at homeowners' expense.

This work deals with the City's general curb and gutter replacement program throughout Craig. Curb and gutter replacement at city street intersections will normally be replaced with ADA ramps, unless otherwise specified by the city project manager.

2.02 Project Schedule: The contractor shall provide a schedule and phasing plan for approval by the City Project Manager before work commences. City will need notification 24 hours in advance before pouring concrete.

2.03 FORMS: The City of Craig has 100 L.F. of straight forms for "J" type curb and gutter forms and 40 L.F. of "Flex" curb and gutter forms. This equipment will be made available to the Contractor at no charge if all equipment is checked out and checked in, in the same condition as it was received. All equipment needs to be checked back in after the completion of the work.

2.04 **SALES TAX:** No sales taxes shall be paid for any materials purchased for use on this project. The Contractor and each Subcontractor shall prepare and submit an exemption application (State Form DR 172) immediately after notification of award. No purchases shall be made until the exemption number is available.

2.05 **PERMITS:** The City will be responsible for any permits required (I.e., Street Cut Permits or Highway Permits).

2.06 **TRAFFIC CONTROL DEVICES:** A traffic control plan will need to be submitted by the Contractor and approved by the City Road & Bridge Department before any obstructions are made. The Contractor will be required to furnish traffic control devices, flaggers, etc., that are criteria set forth in the "Manual on Uniform Traffic Control Devices." No separate payment will be allowed for this item, but the cost will be merged with other unit prices shown in the Bid Form. Signage can be provided by the city as requested by the Contractor at no fee.

2.07 **CONCRETE:** The following additions or changes shall be made to Section 3, Portland Cement Concrete:

- A. Concrete shall be a Class D, 4500 psi mix.
- B. Cement shall be Type IL, ASTM C150
- C. 0.45 water/cement ratio
- D. The slump of concrete as determined by ASTM method C145 shall conform to a minimum of a two (2) inch and shall not exceed 4 inches.
- E. Air entrainment shall be 5-8%
- F. 1.5 lb./cubic yard of microfiber
- G. Concrete cure should be Dayton White Wax Cure J9A or equivalent to.
- H. An approved concrete washout structure must be provided by the Contractor for the entirety of the projects. It will not be acceptable to wash concrete trucks anywhere other than an approved washout structure.
- I. Mix design submittal must be provided by the Contractor and approved by the city.

2.08 **CONCRETE AND ASPHALT REPLACEMENT:** If concrete replacement is adjacent to existing asphalt, then the asphalt must be removed to accommodate a form board. Asphalt removals shall be straight cut and kept to a width of 12 inches unless approved by the City Project Manager. The city will be responsible for asphalt replacement. All concrete and asphalt saw cuts will require wet sawing practices for dust mitigation.

2.09 **QUALIFICATIONS:** As a condition of the award, it will be required that the Contractor have not less than three (3) years' experience on similar projects of equal magnitude and that recent references from Owners be available. A City of Craig Contractor's License for a minimum requirement in RX-RC for concrete is required. It will be required that the Contractor will have an onsite project supervisor with decision making authority at the construction site at all times during work hours.

2.10 **CURB RAMPS:** The Contractor will be required to build a sloped concrete sidewalk at the street intersections to allow ADA access from the street to the sidewalk. Measurement and payment shall include the removal of existing concrete sidewalk and all the necessary excavation and sub-grade preparation needed to construct the sidewalk replacement. Refer to CDOT standard specifications M-608. The city will provide detectable warning plates as needed.

2.11 **TYPE OF CURB AND GUTTER:** Curb and gutter shall be replaced to match the existing type of curb & gutter with control joints every 10ft. Curb & gutter will be doweled in two locations at all cold joints with #4 rebar. Dowels must be embedded a minimum of 18 inches into the concrete on each side of the cold joint. The Contractor shall perform a gutter flow test prior to placing attached sidewalk or asphalt patching. Gutters that hold more than ¼ inch deep or 5 feet longitudinally of water shall be completely removed and reconstructed to drain properly at the contractor's expense, unless otherwise approved by the City Project Manager.

2.12 **REINFORCEMENT FOR CONCRETE PANS:** Concrete Pans installed must have #4 bars on 18" centers each direction. Rebar must be located 3 inches from the edge of form. All rebar must be installed on industry approved rebar chairs.

2.13 **BACKFILLING, OVER EXCAVATING:** Over excavating material must be dug out and replaced with Class 6 aggregate in 6-inch lifts under all concrete unless approved by city project manager. Asphalt removed by contractor must be backfilled and compacted with Class 6 aggregate material free of all foreign debris to driving surface. All backfill on the back side of curb must be **Screened Topsoil** free of foreign debris or made to match existing material or landscaping. Any damaged property must be repaired, replaced, at the Contractor's expense. I.e., sprinkler systems, landscaping, seeding, mailboxes, fences, etc. The contractor will be responsible for providing temporary driveway and mailbox access to properties as necessary.

2.14 **TESTING:** All compaction and concrete testing will be at the sole expense of the city. Any testing ordered by the Contractor will be at the Contractors expense unless approved in writing by the City Project Manager.

2.15 **BONDS:** A 5% bid bond is required. Payment bond and Performance bonds will be required. Lien wavers will be required before the final payment is made.

2.16 **NOTIFICATIONS:** The Contractor will be responsible for all notifications during the construction. **ALL HOMEOWNERS and EMERGENCY SERVICES THAT WILL BE OR COULD BE AFFECTED DURING CONSTRUCTION must be notified one week prior to the start of construction.**

- Craig Fire Department
- Craig Police Department
- Local Colorado State Patrol

- Craig Ambulance Service

2.17 **WARRANTY:** There will be a 1-year warranty on all the work. Sections of curb & gutter and sidewalk that develop random cracking shall be removed and replaced, or at the discretion of the City certain cracks may be repaired by a suitable method accepted by the City. The contractor will be responsible for the protection of the concrete from elements and physical damage at no expense to the project. All concrete damaged by exposure to precipitation, flowing water, freezing, or showing signs of physical damage, including damage from animals, children, pedestrians, cyclists, and motorized vehicles will be removed and replaced by the Contractor at their own expense.

Attachment

2026 Curb and Gutter and Valley Pan location List

Curb and Gutter Locations

1. 680 Finley
2. 316 Mack Lane
3. West End Mack Lane
4. 275 Mack Lane
5. Trail on Finley Lane
6. Schrader Ave and Finley
S. E
7. 9th Villa View
8. 1293 Schrader
9. 1281 Crest
10. Across from 725 W 9th
11. 780 Green
12. South of Family Dollar
13. North Entrance Sunset
Elementary
14. 945 Alta Vista
15. 1290 Alta Vista
16. 595 Steele St
17. 590 Steele St
18. Steele Across from old
Ford
19. 4th St between Stout and
Steele
20. 558 2nd Ave West
21. 2nd Ave West and V Way
22. 4th Ave and V Way
23. 551 6th Ave West
24. 590 7th Ave West across
ST
25. 2545 W 3rd
26. 2415 W 3rd
27. 1932 W 3rd
28. 1924 W 3rd
29. 360 Woodbury
30. 1935 W 2nd
31. 223 Barker on W 2nd
32. 1926 W 2nd
33. 244 Barker
34. 250 Barker

35. 290 Barker
36. Woodbury and Woodland
37. 425 Sandrock
38. 680 Ranney
39. 4th Russel East Side
40. 387 Russel
41. 610 Tucker
42. 652 Tucker
43. 9th Tucker West Side
44. 649 Rose
45. 575 Rose
46. 485 Washington
47. Washington and old
Chamber
48. 886 Washington
49. 320 E 6th Street
50. 619 Barclay
51. 7th Barclay S/W

Valley Pan Locations

1. Finley Lane and Schrader
2. West 2nd and Barker
3. Woodbury and West 2nd
4. 6th and Steele