



The Reno-Sparks Convention & Visitors Authority is soliciting a
Bid for
**Reno-Sparks Convention Center Parking Lot Pavement
Rehabilitation Project**

**Bid 2023-OP04
PWP-WA-2023-438**

*Released by Amy Pickens, Project Administrator
(Monday, July 10, 2023)*

The Point of Contact is Amy Pickens, Project Administrator at (775) 335-8839, or
e-mail apickens@renotahoeusa.com.

All questions or additional information concerning the Bid document must be submitted to the point
of contact. No communication to any other staff or Board Member of the Reno-Sparks Convention
& Visitors Authority regarding this Bid is allowed.

SUBMISSION DATE AND TIME: Wednesday, August 9, 2023, 2:00pm (PDT)

Company Name: _____



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I. INTRODUCTION

The Reno-Sparks Convention and Visitors Authority ("Authority") is currently accepting sealed responses from qualified Bidders (a "Bidder") for the provision of services, as set forth in this **Bid 2023-OP04 PWP-WA-2023-438**.

The Authority, an independent governmental entity, was established in February 1959 as the Washoe County Fair and Recreation Board. The Authority owns and/or operates the Reno-Sparks Convention Center, Reno Events Center, National Bowling Stadium and Reno-Sparks Livestock Events Center. The Authority is the operating instrumentality in the Washoe County area for promoting conventions, tourism, and outdoor recreation.

This bid is for Parking Lot Pavement Rehabilitation at the Reno-Sparks Convention Center.

II. SCHEDULE

Request for Proposals Available
Mandatory Pre-bid Meeting
Written Questions Due (if any)
Written Responses to Questions
Bid Responses Due
Bid Opening Time

Monday, July 10, 2023
Wednesday, July 19, 2023, 10:00AM (PDT)
Friday, July 21, 2023, 2:00PM (PDT)
Tuesday, July 25, 2023, 5:00PM (PDT)
Wednesday, August 9, 2023, 2:00PM (PDT)
Wednesday, August 9, 2023, 2:10PM (PDT)

A Mandatory Pre-Bid meeting will occur on Wednesday, July 19, 2023, 10:00 AM (PDT), at the Reno-Sparks Convention Center, Administrative Offices, 4590 South Virginia Street, Reno, Nevada.

Any irregularities or lack of clarity in this Bid should be brought to the attention of the Point of Contact prior to or on the date for Written Questions set forth in this Section for correction or clarification.

Any addenda to this Bid issued will forthwith become an integral part of this Bid. Bidder is required to acknowledge receipt of same by signing and returning the addenda in its response.



III. SUBMISSION OF RESPONSE

Bidder will submit its response to this Bid on the letterhead of its company, Bidder establishment, corporation, etc. attached to the original Bid 2023-OP04 PWP-WA-2023-438 document. Bidder will sign and return the **ENTIRE BID DOCUMENT**, together with any addenda.

Responses will be enclosed in a sealed envelope addressed to:
Reno-Sparks Convention and Visitors Authority
P.O. Box 837
Reno, NV 89504-0837
Attn: Amy Pickens

Or delivered to:
Reno-Sparks Convention Center
4590 S. Virginia St.
Reno, NV 89502

Response envelope must indicate name and address of Bidder, Bid number, and opening date.

In order for a response to be considered it will be mandatory that the response be in conformance with the terms and conditions of this Bid.



IV. BIDDER'S CHECKLIST

Bidders are instructed to complete and return the following items in order for their proposals to be complete. Failure to return all the items may result in your proposal being declared "non-responsive."

Bidder Information Requirements		Page	Completed
V.A.	Company Information	7	<input type="checkbox"/>
V.B.	Company Background	8	<input type="checkbox"/>
V.C.	Nevada Contractor License Information	9	<input type="checkbox"/>
V.D.	Business License Information	9	<input type="checkbox"/>
VI.	Subcontractors Exceeding 5% of Bid	10	<input type="checkbox"/>
VII.	Subcontractors Exceeding 1% of Bid	11	<input type="checkbox"/>
VIII.	Certification Regarding Debarment	12	<input type="checkbox"/>
IX.	Local Preference Affidavit	13	<input type="checkbox"/>
X.	Acknowledgment and Execution	14	<input type="checkbox"/>
XIII.	Base Bid Form	27	<input type="checkbox"/>
XIV.	5% Bid Bond	34	<input type="checkbox"/>
A	One Original Hard Copy		<input type="checkbox"/>
B	1 Duplicate		<input type="checkbox"/>
C	One master Flash Drive		<input type="checkbox"/>



V. PROPOSER INFORMATION

The following information must be completed, either typed or printed, and returned with the bid in accordance with the General Conditions contained herein.

A. Company Information

Company Name:
Contact Name:
Address:
City, State Zip Code:
Telephone Number:
Facsimile Number:
E-Mail:



B. Company Background

Has your company ever failed to complete any contracts awarded to it?
No___ Yes___ (If yes, please provide details.)

Has your company filed any arbitration request or lawsuits on contracts awarded within the last five years? No___ Yes___ (If yes, please provide details.)

Does your company now have any legal suits or arbitration claims pending or outstanding against it or any officers relating to the performance of a public contract?
No___ Yes___ (If yes, please provide details.)

Does your company now employ any officers or principals who were with another Bidder when that company failed to complete a contract within the last five years? No___ Yes___ (If yes, please provide details.)

Has your company had a contract partially or completely terminated for default (cause) within the past five years? No___ Yes___ (If yes, please provide details.)

Has your company been found non-responsible on a government bid within the last five years? No___ Yes___ (If yes, please provide details.)



C. Nevada Contractor License Information:

Prospective bidders will be required to have a current Contractor's License under the Nevada State Law for the type of work specified herein.

License Number:
Classification:
Limitation(s):
Date Issued:
Date of Expiration:
Name of Licensee:
City, State, Zip Code:
Telephone Number:

D. Business License Information:

City of Reno
License Number:
License Expiration:
Name of Licensee (if different):

Or

☐ License will be obtained after award.



VI. SUBCONTRACTORS EXCEEDING 5% OF BID

Pursuant to NRS 338.141, the Bidder must submit the following names of First-Tier Subcontractors who will provide to Bidder labor or a portion of the work or improvements for which Subcontractor will be paid an amount exceeding five percent (5%) of the bid. The Bidder shall list the name of a Subcontractor for each portion of the Work, the value of which exceeds five percent (5%) of the Bid Price. **If Bidder will perform more than 5% of the work, Bidder shall also list their name and description of the work that the prime contractor will perform in the space provided below. If additional space is needed, attach a separate page.**

Subcontractor Name	
Nevada License	Limit of License
Address	
Telephone	
Description of Work	
Subcontractor Name	
Nevada License	Limit of License
Address	
Telephone	
Description of Work	
Subcontractor Name	
Nevada License	Limit of License
Address	
Telephone	

Bidder Name: _____ Authorized Signature: _____



VII. SUBCONTRACTORS EXCEEDING 1% OF BID AMOUNT

In compliance with NRS 338.141, Bidder submits the following names of First-Tier Subcontractors who will provide to Bidder labor or a portion of the Work or improvements for which Subcontractor will be paid an amount exceeding one percent (1%) of the Bid or \$50,000, whichever is greater. The Bidder shall list the name of a Subcontractor for each portion of any of the Work the value of which exceeds one percent (1%) of the Bid Price.

Since all Subcontractors listed on the Bidder's 5% Subcontractor Information Form are over 1% of the Bid amount, those Subcontractors shall automatically be deemed incorporated into this 1% Subcontractor Information form and need not be re-listed below.

Information provided must be submitted within two (2) hours after the completion of the opening of the bids (Per NRS 338.141). Bidder shall enter "NONE" under "Name of Subcontractor" if not utilizing subcontractors exceeding this amount. This form must be complete in all respects. If additional space is needed, attach a separate page. The bidder may elect to submit this information with the bid proposal, and, in that case, the bidder will be considered as having submitted this information within the above two hours.

Subcontractor Name	
Nevada License	Limit of License
Address	
Telephone	
Description of Work	
Subcontractor Name	
Nevada License	Limit of License
Address	
Telephone	
Description of Work	

Bidder Name: _____ Authorized Signature: _____



VIII. CERTIFICATION REGARDING DEBARMENT

Certification Regarding Debarment, Suspension, And Other Matters

(This to be signed and returned at the time of bid)

The prospective bidder, _____ certifies to the best of its knowledge and belief that it and its principals:

- Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- Have not within a three year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and
- Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. Any exceptions provided will not necessarily result in denial of award but will be considered in determining bidder responsibility and whether or not the Authority will enter into contract with the party. For any exception noted, indicate on an attached sheet to whom it applies, initiating agency, and dates of action. Providing false information may result in criminal prosecution or administrative sanctions.

Signature:
Print Name:
Title:
Date:



IX. LOCAL PREFERENCE AFFIDAVIT

This form is required to receive a preference in bidding on projects exceeding \$250,000. This form must be submitted no later than two (2) hours following the opening of bids, only if the bidder wishes for their preferential status (established by their current Certificate of Eligibility) to be considered in the evaluation of bids. A copy of the bidder's Certificate of Eligibility must be submitted at the time the contractor submits their bid.

I, _____, on behalf of the Contractor, _____, swear and affirm that in order to be in compliance with NRS 338.0117 and be eligible to receive a preference in bidding 2023-OP04 PWP-WA-2023-438 Reno-Sparks Convention Center Parking Lot Pavement and Rehabilitation Project certify that the following requirement will be adhered to, documented, and attained on completion of the contract. Upon submission of this affidavit on behalf of

_____, I recognize and accept that failure to comply with any requirements is a material breach of the contract and entitles the Authority to damages. In addition, the Contractor may lose their preference designation and/or lose their ability to bid on public works for a period of time, pursuant to NRS 338:

- The Contractor shall ensure at least 50 percent of workers employed on the public work possess a Nevada driver's license or identification card;
- The Contractor shall ensure all vehicles used primarily for the public work will be registered and (where applicable) partially apportioned to Nevada;
- The Contractor shall ensure payroll records related to this project are maintained and available within the State of Nevada.

These requirements are not applicable to Contractors who do not use the "Bidder's Preference" eligibility certificate in their bid or do not receive an advantage in ranking of bids due to their preference status.

Signature:
Print Name:
Title:
Date:



X. ACKNOWLEDGMENT AND EXECUTION

_____ (Name of Principal) being first duly sworn, deposes and says: That he/she is the Bidder, or authorized agent of the Bidder for whom the aforesaid described work is to be performed by; that he/she has read the Plans, Specifications, and related documents including but not limited to, any addenda issued and understands the terms, conditions, and requirements thereof; that if his/her bid is accepted that he/she agrees to furnish and deliver all materials except those specified to be furnished by the Authority and to do and perform all work for the bidding RFP#2023-OP04 PWP-WA-2023-438 Reno-Sparks Convention Center Parking Lot Pavement and Rehabilitation Project together with incidental items necessary to complete the work to be constructed and/or services to be provided in accordance with the Specifications, Plans, and Contract Documents annexed hereto.

The undersigned, as Bidder, declares that the only persons or parties interested in this proposal, as principals, are those named herein, the Bidder is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid: that this proposal is made without collusion with any other person, firm or corporation; that he/she has carefully examined the location of the proposed work; the proposed form of Contract, the Contract Provisions, Plans, Specifications and Contract Documents incorporated therein referred to and made part thereof; that he/she proposes and agrees if this proposal is accepted, that he/she will contract with the Authority in the form of the Contract prescribed, to provide all necessary machinery, tools, apparatus and other means of construction, and to do all the work and furnish all the materials specified in the Contract and annexed Contract Provisions, Plans and Specifications, in the manner and time prescribed and according to the requirements of the Project Representative as therein set forth, it being understood and agreed that the quantities shown herein are approximate only and are subject to increase or decrease, and that he/she will accept, in full, payment therefore the indicated prices.

Signature:
Print Name:
Title:
Date:



XI. PERFORMANCE BOND, PAYMENT BOND, AND BID BOND

All Bonding Companies must have an "A" rating or better with Moody's or A.M. Best Company and be included on the current list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bond and as Acceptable Reinsuring Companies" as published in circular 570 (as amended) by the audit staff, Bureau of Accounts, U.S. Treasury Department. (In other words, the company is T-listed.)

A. Performance Bond

The Contractor awarded this bid will be required to furnish the Authority with a surety bond conditioned upon the faithful performance of the contract. This may take the form of a bond executed by a surety company authorized to do business in the State of Nevada and approved by the Authority. The bond shall be in a sum equal to one hundred percent (100%) of the amount of the contract price. Such bond shall be forfeited to the Authority in the event that bidder receiving the contract shall fail or refuse to fulfill the requirements and all terms and conditions of the contract.

B. Payment Bond

The Contractor awarded this bid will be required to furnish the Authority with a payment bond. This may take the form of a bond executed by a surety company authorized to do business in the State of Nevada and approved by the Authority. The bond shall be in a sum equal to one hundred percent (100%) of the amount of the contract price. The bond must be solely for the protection of claimants supplying labor or materials to the contractor to whom the contract was awarded, or to any of his subcontractors, in the prosecution of the work provided for in such contract.

C. Bid Bond

A bid deposit in an amount equal to at least 5% of the bid is required as a bid security by the Authority. The bid security may only be in cash, cashier's check, certified check or bid bond. Checks must be made payable to the Reno-Sparks Convention and Visitors Authority. If the bid security is a bond, it shall be executed by a surety insurer authorized to issue surety bonds in the State of Nevada. The bid security must be executed by the bidder and enclosed with the bid proposal in the sealed bid envelope.

XII. GENERAL TERMS & CONDITIONS

A. The bidder agrees that

Bidder has carefully examined the specifications, and all provisions relating to the item(s) to be furnished or the work to be done; understands the meaning, intent, and requirements; and

Bidder will enter into a written Agreement and furnish the item(s) or complete the work in



the time specified, and in strict conformity with the Reno Sparks Convention and Visitors Authority's specifications for the prices quoted.

No communication to any other staff or Board Member of the Authority with regard to this Bid is allowed, except through the designated point of contact, and any such communication initiated by the Bidder may result in a disqualification of the Bidder.

Note: Bidder is defined as any individual, partnership, or corporation submitting a bid, proposal, or quotation in response to a request for bid (Bid), request for proposal (RFP), request for information (RFI) or request for qualification (RFQ). A Bidder may also be referred to as a bidder, contractor, proposer, supplier, or vendor.

The use of the title "Bidder", "Contractor", "Consultant", "Proposer", or "Vendor" within this solicitation document and any resulting Agreement shall be deemed interchangeable and shall refer to the person or entity with whom the Authority is soliciting and/or contracting for the service or product referenced within the bid document.

B. Addenda

The effect of all addenda to the bid documents shall be considered in the bid and said addenda shall be made part of the bid documents and shall be returned with them. Before submitting a bid, each Bidder shall ascertain whether or not any addenda have been issued, and failure to acknowledge any such addenda may render the bid invalid and result in its rejection.

All potential Bidders are responsible for monitoring the Authority website regarding the availability of new bid documents or addenda (where applicable). The Authority will not be responsible for the results of any potential failures in automatic notification systems to potential Bidders or plan holders with respect to these documents and will not adjust bid schedules or requirements due to any potential failures of those systems.

C. Advertisements, Product Endorsements

Authority employees are prohibited from making endorsements, either implied or direct, of commercial products or services without written approval of the Authority President/CEO.

D. Annual Appropriation of Funds

In the event the Authority fails to obligate requisite funds for the ensuing fiscal year(s) for payment of amounts due against an agreement resulting from this Request for Proposal, necessitating cancellation of the Agreement, the successful Bidder(s) shall agree to hold the Authority free from any charge or penalty.

E. Brand Names

The technical information contained herein shall in no manner be construed as restrictive as to the manufacturer, process or point of origin. References appearing restrictive shall be



deemed inadvertent or employed as a descriptive device to delineate as to the quality, or configuration.

Offers made as an alternate to those specified shall be given consideration in the evaluation process provided said alternatives shall be fully described using brochures, specifications, literature, or any combination thereof, accompanying and deemed an integral portion of the Bidder's response.

The Authority shall solely determine the acceptability of all offerings.

F. Business License Requirement

All companies doing business with the Authority are required to obtain and maintain a current business license from the appropriate jurisdiction prior to the commencement of work. Bidder(s) awarded an Agreement resulting from this bid shall be required to obtain a current business license if they do not already possess one.

G. Compliance

All material and work performed shall comply with standing Federal, State, and Local Codes and Regulations, including but not limited to Occupational Safety and Health Act, Americans with Disabilities Act, etc.

H. Confidential Information

Any information deemed confidential or proprietary should be clearly identified by the Bidder as such. It may then be protected and treated with confidentiality only to the extent permitted by state law. Otherwise, the information shall be considered a public record. Information or data submitted with a bid will not be returned.

I. Conflict of Interest

No Authority employee or member of the employee's immediate family, may participate directly or indirectly in the procurement process pertaining to this bid if they:

- Have a financial interest or other personal interest that is incompatible with the proper discharge of their official duties in the public interest or would tend to impair their independence, judgment, or action in the performance of their official duties.
- Are negotiating for or have an arrangement concerning prospective employment with Bidder. The Bidder warrants to the best of his knowledge that the submission of the bid will not create such conflict of interest.

J. Default of Agreement

In case of default by the successful Bidder, the Authority may procure the product(s) or service from other sources and hold the Bidder responsible for any excess cost occasioned thereby.



If necessity requires the use of materials or supplies not conforming to the specifications, they may be accepted, and payment therefore shall be made at a proper adjustment in price.

Default by the Bidder in any manner including failure or refusal to furnish any product(s) or service at the price and/or the time specified may be considered cause to commence with proceedings against any surety held or assess a penalty equal to five (5) percent of the total proposal price.

K. Disputes

All disputes under this proposal shall be submitted to binding arbitration in accordance with the procedures of the Commercial Rules of the American Arbitration Association and judgment of the arbitrator shall be binding as a final judgment and shall be entered by a court of competent jurisdiction. Such arbitration shall be conducted in Washoe County, Nevada. The procedures specified herein shall be the sole and exclusive procedure for resolution of disputes arising out of or relating to this proposal except those instances otherwise overseen by the governing law of the State of Nevada.

L. Document Ownership

All technical documents and records originated or prepared pursuant to this Agreement, including papers, reports, charts, and computer programs, shall be delivered to and become the exclusive property of the Authority and may be copyrighted by the Authority. Bidder assigns all copyrights to Authority by undertaking this agreement.

M. Document Submittals

It should be noted that the documents submitted by prospective Bidders are competitive sealed proposals and not competitive sealed bids. When proposals are opened, prices and other information will not be made public until the proposal is awarded. There shall be no disclosure of any Bidder's information to competing Bidders prior to the award of the proposal.

Upon award of the Agreement, the executed Agreement and proposals will become public information. Accordingly, each proposal should be submitted on the vendor's most favorable terms from a price and technical standpoint.

N. Evaluation and Recommendation, Selection and Agreement

The Authority reserves the right to waive any informalities or irregularities.

The Authority reserves the right to alter, amend, or modify any provisions of this Bid, or to withdraw this Bid, at any time prior to the award of an Agreement pursuant hereto.

The Authority reserves the right to hold responses for a period of ninety (90) days from the date of opening before awarding or rejecting said responses.

Severability exists with regard to acceptance or rejection of any item, group of items, or



section unless the Bidder has stipulated specific limitations.

Once a final selection has been made as described above, the Authority will work with the Bidder on preparing an Agreement (the "Agreement") for execution, which will set forth the terms and scope of the engagement of the selected Bidder, including, but not be limited to, the terms set forth in this Bid. If the Authority and the selected Bidder have not executed a negotiated agreement within fifteen (15) business days after selection by the Authority, the Authority may terminate negotiations with that selected Bidder and may initiate negotiations with an alternative Bidder.

No Agreement may be assigned to any other person or entity.

Upon notification of selection and full execution of the Agreement, the Bidder selected must be duly licensed to conduct business in the State of Nevada, Washoe County and the City of Reno or the City of Sparks. Proof of certificates, licenses, and permits must be submitted to the Authority Finance Department before work can begin. Cost of all required certificates, licenses, and permits are the responsibility of the Bidder.

O. Exceptions

A Bidder deviating from specifications must specify any and all deviation(s). Failure to note said exceptions shall be interpreted to convey that the Bidder shall propose to perform in the manner described and/or specified in this bid solicitation. If exception(s) are taken or alternatives offered, complete descriptions must be shown separately.

P. Indemnification

The Bidder hereby agrees to indemnify and to save and hold harmless the Authority and their agents from any and all claims, actions, costs, expenses, (including attorney's fees), liability, damages or payments incurred by reasons of any bodily injury including death or property damage resulting from the Bidder's operations.

Q. Insurance

The Agreement contemplated by this Bid will require that the successful Bidder shall procure and maintain, at its sole expense the following minimum insurance coverage:

Commercial General Liability. Commercial General Liability at least as broad as Insurance Services Office policy form CG 00 01 04/13, or equivalent, providing coverage on an occurrence form for Bodily Injury, Property Damage, Liquor Liability, Independent Proposers, Personal Injury, Broad Form Property Damage, Broad Form Contractual Liability and Medical Payments. The limits of liability shall not be less than Two Million Dollars (\$2,000,000) per occurrence, Four Million Dollars (\$4,000,000) general aggregate for both bodily injury and property damage.

The policy shall include the Authority and its agents, beneficiaries, partners, employees, the County of Washoe, and the Authority of Reno as additional insureds with coverage at least as broad as Insurance Services Office (ISO) endorsement form CG 20 26 04/16.



The policy shall provide that coverage is provided on a primary basis, not excess or contributing with or secondary to any other insurance as may be available to the additional insureds.

Proposer waives all rights against the Authority, and its agents, beneficiaries, partners, employees, the County of Washoe, and the Authority of Reno any other Indemnitees listed in this Agreement for recovery of damages to the extent these damages are covered by the commercial general liability or commercial umbrella liability insurance maintained pursuant to this agreement. Proposer's insurer shall endorse CGL policy to waive subrogation against with respect to any loss paid under the policy.

Automobile Liability. Automobile Liability at least as broad as Insurance Services Office Business Auto Coverage Form CA 00 01 04/13, or equivalent, providing coverage for Bodily Injury and Property Damage resulting from the ownership, maintenance, or use of any auto, whether owned, rented or hired or non-owned. The limit of liability shall not less than Two Million Dollars (\$2,000,000) combined single limit (CSL) for bodily injury and property damage.

Workers' Compensation and Employer's Liability. Workers' Compensation at least as broad as National Council on Compensation Insurance (NCCI) policy form WC 00 00 00 C 01/15, or equivalent, providing coverage meeting the requirements of the Workers' Compensation law of the State of Nevada. To the extent such waivers are obtainable from the insurance carriers, the policy shall include an endorsement waiving the insurance company's rights of subrogation against the Authority, its agents, beneficiaries, partners, employees, the County of Washoe, and Authority of Reno. This endorsement shall be at least as broad as National Council on Compensation Insurance (NCCI) Waiver of Our Right to Recover from Others Endorsement form WC 00 03 13 04/84.

Property. Property insurance on an All-Risk or Special Form providing coverage for personal property of the Bidder.

Blanket Employee Dishonesty Coverage. The Proposer shall maintain crime insurance including coverage for the loss of money, securities, and other property by the Proposer's employees, sub-contractors, or other parties with a limit not less than \$1,000,000 per occurrence. Coverage shall be endorsed to include coverage for loss of money, securities and other property in the care, custody, or control of Proposer whether in transit or at a permanent or temporary premises.

Form of Coverage. All such insurance maintained by the Bidder shall be: issued by insurance companies authorized to do insurance business in the State of Nevada, issued by insurance companies with current A.M. Best financial ratings of at least A X or better satisfactory in form and substance to Authority.

All insurance and bond shall provide that the policy shall not be cancelled, nor shall coverage be reduced thereunder until after thirty (30) days written notice to Authority at Reno-Sparks Convention & Visitors Authority, Post Office Box 837, Reno, Nevada 89504-0837.

The Bidder shall deposit each policy or a certificate thereof with Authority no less than thirty (30) days prior to the start of the agreement date.



R. Items Offered

If the item offered by the Bidder has a trade name, brand and/or catalog number, such shall be stated in the bid. If the Bidder proposes to furnish an item of a manufacturer or vendor other than that mentioned on the face hereof, Bidder must specify maker, brand, quality, catalog number, or other trade designation. Unless such is noted on the bid form, it will be deemed that the item offered is that designated even though the bid may state "or equal".

S. Late Bids, Modifications, or Withdrawals

Bids, modifications of bids, or bid withdrawals received after the exact time and date specified for receipt will not be considered.

Within the scope of this proposal, the Authority shall be held harmless in any and all transactions between the Bidder and the other participating governmental entities.

T. Lawful Performance

Vendor shall abide by all Federal, State and Local Laws, Ordinances, Regulations, and Statutes as may be related to the performance of duties under this agreement. In addition, all applicable permits and licenses required shall be obtained by the vendor, at vendor's sole expense.

U. Litigation Warranty

The Bidder, by bidding, warrants that Bidder is not currently involved in litigation or arbitration concerning the materials or Bidder's performance concerning the same or similar material or service to be supplied pursuant to this Agreement of specification, and that no judgments or awards have been made against Bidder on the basis of Bidder's performance in supplying or installing the same or similar material or service, unless such fact is disclosed to the Authority in the bid. Disclosure may not disqualify the Bidder. The Authority reserves the right to evaluate bids on the basis of the facts surrounding such litigation or arbitration and to require Bidder to furnish the Authority with a surety bond executed by a surety company authorized to do business in the State of Nevada and approved by the Authority in a sum equal to one hundred percent (100%) of the Agreement price conditional on the faithful performance by Bidder of the Agreement in the event the bid is awarded to Bidder, notwithstanding the litigation or arbitration.

V. Non-Discrimination

No Bidder providing a service, program, or activity to the public on behalf of the Authority shall discriminate against any person because of sex, race, color, creed, national origin or disability, and shall comply with the Americans with Disability Act and Authority's policies pursuant thereto when providing said service, program or activity.

The Authority is an Affirmative Action/Equal Opportunity Employer. Bidders shall be cognizant of the requirements for compliance with Executive Order 11246, entitled "Equal Employment Opportunity" as amended by Executive Order 11375 and as supplemented in regulations of



the U.S. Department of Labor (41 CFR part 60).

The Contractor and any Subcontractors will comply with the requirements set forth in Nevada Revised Statutes Chapter 338 regarding public works, including, but not limited to, the provisions of NRS 338.125 which provides that the Contractor and Subcontractors may not discriminate in any of their employment practices.

W. Open Meeting Law

NRS 241 provides that public business will be conducted in open meeting.

X. Prevailing Wages

Bidder is responsible for complying with all applicable local, State and Federal wage laws, whether or not specifically cited in this bid document.

Per NRS Sections 338.020 through 338.090, certain projects defined as “public works” require the payment of the prevailing wage as determined by the Labor Commissioner. Generally speaking, projects/contracts for construction of a public work valued at less than \$100,000 are exempt from the prevailing wage requirement (NRS 338.080). Bidder shall be fully aware of the prevailing wage requirements of the State of Nevada as detailed in NRS Chapter 338 and price their bid response accordingly, where applicable. Further information concerning Prevailing Wage rates can be found at: publicworks@labor.nv.gov

Y. Apprenticeship Utilization Act

Senate Bill 207 passed during the 2019 Legislative Session added sections 338.0116 and 338.01165 to the NRS. These new provisions apply to bids for public works where the value exceeds \$100,000.00. In passing SB 207, The Legislature hereby finds and declares that: (1) A skilled workforce in construction is essential to the economic well-being of the State; (2) Apprenticeship programs are a proven method of training a skilled workforce in construction; and (3) Requiring the use of apprentices on the construction of public works will ensure the availability of a skilled workforce in construction in the future for this State.

Guidelines may be found at: <https://www.leg.state.nv.us/Session/80th2019/Bills/SB/SB207.pdf>

Z. Protests

Pre-Opening Protests: Any protest based upon restrictive specifications or alleged improprieties by the Authority, which are apparent prior to proposed opening including, without limitation, these protest procedures, shall be submitted to the Authority at least seven (7) days prior to the submission opening date. Three (3) copies of any pre-opening protests must be delivered to Reno-Sparks Convention & Visitors Authority, 4065 South Virginia Street, Suite 100, Reno, Nevada 89502, Attention: Courtney Jaeger. All protests must be in writing to be considered and shall specify in detail the grounds for the protest and the facts and law supporting the protest. All pre-opening protests will be resolved by the Authority prior to the submission opening. The Authority Finance Department will issue a written decision specifying the grounds for granting or denying the pre-opening protest. If a protest is granted, the proposed opening date may be postponed and an Addendum issued or, at the sole discretions



of the Authority, the Authority may cancel the bid. If the protest is denied, submissions will be received and opened on the scheduled opening date in the same manner as if no protest had been filed.

Appeal by Unsuccessful Bidder: Any protest from an unsuccessful proposer must be submitted prior to award by the Board as established in NRS 332.068. Bidder must submit a written appeal in accordance with the requirements set forth herein to the Finance Department within five business days from the date of the letter notifying of intent to award.

The appellant must post a bond with the written appeal with good and solvent surety authorized to do business in the State of Nevada in an amount equal to 25% of the value of the contract in order to have their appeal heard by the Board. Any and all bonds are subject to the approval of the Board's Attorney. In the event the appeal is not upheld by the Board, a claim may be made against the bond in an amount equal to the expenses incurred and other monetary losses suffered by the Authority because of the unsuccessful appeal.

The route of appeal is the Director of Finance then the President/CEO, or designee, and must be followed sequentially. No Bid protests will be heard by the Board unless the proposer has followed the appeal process route.

Claims Against Protest Bonds:

The Authority shall not make a claim upon any bond or other security unless and until the basis of that claim is considered and approved by the Board. The Authority may:

- Claim its regular staff time and costs in processing, considering and/or defending against an award protest.
- Claim any necessary extraordinary staff overtime incurred in processing, considering and/or defending against an award protest.
- Claim the Authority's Attorney time and costs in processing, considering and/or defending against an award protest.
- Claim any resulting fees and costs incurred to any independent contractors, consultants or contracted attorneys utilized in processing, considering and/or defending against an award protest.
- Claim any lost expenditure savings, lost revenue and other consequential financial damages resulting from the protest's automatic stay of the award of an Agreement to a selected solicitation response.
- Claim any lost gifts, lost grants or other lost government or private financial participation resulting from any delay caused by the protest's automatic stay of the award of an Agreement to a selected solicitation response.

Protest Bond Risk Inquiry—Procedure:

As soon as possible after an award protester has posted a protest bond or other security, the soliciting Authority department or agency shall provide a written non-binding estimate of the basis of potential claims unique to the circumstances of the Agreement award(s) stayed by the protest, without disclosing any bid information that must remain confidential until an award decision is final. From this estimate, the protester shall be responsible for calculating the risk(s) of proceeding with a protest to a final decision by the Board. A protester may withdraw a protest in writing at any time prior to a decision of the Board, but any withdrawal more than seven (7) calendar days after the issue date of the Authority's estimate of the basis



of potential claims shall, upon Board's approval of the claims, be subject to claims against the bond or other security of the withdrawing protestor prior to its return to the protestor.

AA. Signature

All bids shall be signed, and the title and Bidder name indicated. A bid by a corporation shall be signed by an authorized officer, employee, or agent with his or her title.

BB. Submission of Responses

The Authority assumes no responsibility for errant delivery of responses, including those relegated to a courier agent who fails to deliver in accordance with the submission time/date and address requirements.

The Authority will not be responsible for the premature opening of responses which are not properly addressed or identified.

The Authority will not accept a response submitted by telephone, telegraphic notice, facsimile, or e-mail.

Bidder will furnish the required information typed or written in ink.

The person signing the response must initial erasures or other changes in ink.

In the spaces provided, a duly authorized representative of the Bidder will sign this Bid document.

Bidder will proofread its response carefully for errors.

In the event of a difference between written words and figures, the amount stated in written words will govern.

In the event of a difference between unit price and extended price, the unit price will govern.

The Authority is not liable for any costs incurred by Bidder prior to entering into the final Agreement. Costs of developing the qualifications or any other such expenses incurred by the Bidder in responding to this Bid are entirely the responsibility of the Bidder and shall not be reimbursed in any manner by the Authority.

Respondent shall be responsible to ensure they have complied in all respects with the provisions of NRS 338.141 regarding listing of general contractors and/or subcontractors who will perform any work on the project. Failure of Respondent to comply with the provisions of NRS 338.141 will result in rejection of Respondent's bid.

Respondent shall bear the responsibility to ascertain the relevancy of the "preference for certain contractors" referenced in NRS 338.147. Respondents claiming preference shall submit with their Bid the "Certificate of Eligibility" issued by the State of Nevada Contractor's Board as proof of Contractor's compliance with the provisions of NRS 338.147. Failure to submit the Certificate of Eligibility with the sealed Bid shall result in the waiver of any bidder



preference. In the event Respondent claims a bidder preference pursuant to NRS 338.147, the RSCVA strongly encourages Respondent to deliver to the RSCVA an affidavit satisfying the requirements of NRS 338.0117 with the Bid response. However, pursuant to NRS 338.147(2)(a)(3) the Respondent may deliver the foregoing affidavit up to two (2) hours after the opening of the bids, all as set forth in NRS 338.147(2)(a)(3). Failure to timely submit the foregoing affidavit shall result in a waiver of any bidder preference.

Bidder has carefully examined the specifications, and all provisions relating to the item(s) to be furnished or the work to be done; understands the meaning, intent, and requirements.

CC. Tax Exemption

The Authority is a tax-exempt public entity and is not generally subject to federal excise, state, or local taxes. The Authority is specifically limited in its payment of sales tax per NRS 372.325. No additional taxes may be added or "passed through" as a result of any agreement.

DD. Venue

This agreement shall be governed by and interpreted according to the laws of the State of Nevada, and venue for any proceeding shall be in Washoe County.

EE. Withdrawal of Bids/Proposals

Bids/Proposals may be withdrawn by written or facsimile notice received prior to the exact hour and date specified for receipt of bid. A bid/proposal may also be withdrawn in person by a Bidder, or Bidder's authorized representative, prior to the exact hour and date set for receipt of bids. Telephone withdrawals are not permitted.



XIII. BASE BID FORM

Project: 2023-OP04, PWP-WA-2023-438

Project Title: Reno-Sparks Convention Center Parking Lot Pavement
and Rehabilitation Project
4590 S. Virginia Street Reno, Nevada 89502
Project No. 2023-OP04

Owner: Reno-Sparks Convention and Visitors Authority
4065 S. Virginia Street, Ste 100
Reno, Nevada 89502

Amy Pickens
Telephone No. 775.335.8839
E-mail: apickens@renotahoeusa.com

Paving Consultant: Benchmark, Inc.
6065 Huntington Court NE
Cedar Rapids, IA 52402

Russ Timmerman
Telephone No. 319.393.9100
E-mail: rtimmerman@benchmark-inc.com



BID FORM

To: Reno-Sparks Convention and Visitors Authority

Name of Bidder: _____

Date of Bid: _____

1.01 Pursuant to and in compliance with the Invitation to Bid and the Bidding Documents relating to the construction of:

2023-OP04 PWP-WA-2023-438 Reno-Sparks
Convention Center Pavement Rehabilitation
Project
Reno, Nevada 89502
Project No. 2023-OP04

Including Addenda _____

The undersigned, having become thoroughly familiar with the terms and conditions of the Bidding Documents and with local conditions affecting the performance and cost of the work at the place where the work is to be completed and after having been given ample opportunity to fully inspect the site in all particulars, hereby proposes and agrees to fully perform the work within the time stated, including furnishing any and all labor, materials, services, equipment and all applicable taxes necessary to construct and complete said work in accordance with the Contract Documents, for the following sum(s) of money:

A. Base Bid: Perform pavement rehabilitation per the drawings and specification.

_____ Dollars (\$_____)

Approximate square footage included in bid _____ Sq. Ft.

B. Unit Pricing Refer to Benchmark Proposal Form PF1-PF3

1. For changing specified quantities of work from those required by the Contract Documents, upon written instructions of the Owner, the following unit prices shall prevail. The proposed unit prices include all labor, overhead, profit, materials, equipment, taxes, and freight.



2. Only a single unit price shall be given, and it shall apply for either more or less than the quantity required by the Contract Documents.
3. Refer to Section PF1-PF3 – Proposal Form for a description of stipulated quantity allowances to be included in the bid, where applicable.
4. In the event of more or less units than required, change orders shall be issued for the increased or decreased amount.

C. Performance Bond and Payment Bond

1. This bid includes the cost of a Performance Bond and Payment Bond. By signing and submitting this bid, the Bidder certifies that they will furnish these bonds in amounts sufficient to cover the total proposed cost of the work, including Base Bid and all Alternates. The bonds shall be amended and maintained current with all contract Change Orders.
2. The cost of these bonds is _____% of the total proposed cost of the work, including Base Bid and all Alternates.

D. Bid Bond

1. Accompanying this bid is a bid bond as specified in Section **XI**. Instructions to Bidders, payable without condition to the Owner, equaling no less than 5% of the total proposed cost of the work, including the Base Bid and all Alternates. It is agreed that the bid security will be the measure of liquidated damages which the Owner will sustain by failure, neglect, or refusal of Bidder to deliver the signed contract, bonds, and required insurance documentation within ten days after notification of contract award is made by the Owner.

E. Change Orders

1. The following fees shall be used for lump sum pricing and actual cost pricing of additions and deletions to the work required by the Contract Documents. The following fees are not applicable for unit price-based change orders; and shall not be applied to hourly rates or pricing to which overhead and profit have been included, or to taxes.

- a. For any additions to the work authorized by the Owner:

The contract sum shall be revised to include the actual cost of the work required for such additions plus
percent (_____%).



- b. For deletions from the work authorized by the Owner:

The contract sum shall be reduced by an amount equal to the cost savings realized for work not performed by reason of such deletions plus

_____ percent (____%).

F. Time of Commencement, Completion and Damages

1. Base Bid: Contractor shall commence work _____ (calendar) days after award. From the day of commencement, the Contractor shall substantially complete the work in _____ (calendar) days.
2. Final completion, including delivery of all closeout submittals and warranties, shall be achieved within _____ (calendar days) after achieving substantial completion.
3. Time is expressly declared to be of the essence in completion of the work covered by these Bidding Documents, and the Contractor shall be liable for actual damages for delay in completion of work. Actual damages include, but are not limited to, increased consulting fees, additional construction observation fees, travel expenses, and all other costs incurred as a result of the delay in completion. Where the contract allows additional time for completion of the work, the new time limits will be of the essence of the contract.
4. In submitting this bid, the Bidder assures the Owner that availability of labor, material, equipment, services, and other necessary resources are available to meet the proposed substantial completion date.

1.02 By signing this bid, the Bidder certifies the following:

- A. All information submitted on this bid form is accurate and true to the best of the Bidder's knowledge, and the Bidder has performed due diligence as necessary to provide responsible information.
- B. This bid has been arrived at independently without consultation, communication, or agreement as to any matter relating to this bid with any other Bidder or with any competitor.
- C. This bid is in compliance with all local, state, and applicable codes.
- D. The Bidder and any proposed Subcontractors are duly licensed with all applicable authorities having jurisdiction, as required to legally perform the work described by the Bidding Documents at the project location.



- E. The Bidder will maintain strict confidentiality with respect to information submitted on this bid form, any project-related documents obtained during the bidding process, photographic or video images of the site, project-related emails or other correspondence, or information learned through visual review of the facility or project site.
- F. Bidder will comply with the terms of any confidential agreements made with the Owner during the bidding of this project, as applicable.
- G. This bid shall remain open and not be withdrawn for a period of 90 calendar days from the date prescribed for its opening.
- H. If the Owner provides written notice of award to the undersigned within 90 calendar days, the Bidder shall execute and deliver the signed contract agreement, Performance Bond, Payment Bond, required insurance documentation, and any other submittals as specified in the Bidding Documents, together, all within ten calendar days after the Owner issues the notice of award.
- I. The Bidder is an equal opportunity employer, and does not discriminate, and will take "affirmative action" measures to ensure against discrimination in

employment, recruitment, advertisements for employment, compensation, termination, upgrading, promotions, and other conditions of employment against any employee or job applicant on the bases of race, creed, color, national origin, sex, or any other legally protected characteristics. No person will be adversely affected in employment with the employer as a result of bringing complaints of unlawful discrimination.
- J. The Bidder provides a work environment that is free from harassment based upon an individual's sex, race, ethnicity, national origin, age, religion, or any other legally protected characteristics. All employees, including supervisors and other management personnel, are expected and required to abide by this policy. No person will be adversely affected in employment with the employer as a result of bringing complaints of unlawful harassment.

1.03 By signing this bid, the Bidder implies their understanding of the following conditions:

- A. The Owner reserves the right to reject any and all bids, waive irregularities or technicalities in any bid, and accept any bid in whole or in part which it deems to be in its best interest.
- B. If notice of award is issued after 90 calendar days from the bid due date, the Bidder shall have the right to either accept the contract or withdraw their bid, without penalty.

1.04 The name(s) and title(s) for all persons interested in the foregoing bid as principal(s) are:



Note: If Bidder is a corporation, provide names of president, controller, and secretary; if a partnership, and names of all individual co-partners composing the firm; if Bidder or other interested person is an individual, give first and last names in full.

Name

Title

_____	_____
_____	_____
_____	_____
_____	_____

1.05 Notice of award or requests for additional information may be addressed to the undersigned at the address set forth below.

1.06 The Legal Name, State of Incorporation, Address, Contact Information, and Federal Tax Identification Number for the Bidder are:

Note: If Bidder is a corporation, provide legal name of corporation, state where incorporated, together with the address and contact information and signature of the officer authorized to sign contracts on behalf of the corporation. If Bidder is a partnership, provide legal name of firm, together with the address and contact information and signature(s) of the partner(s) authorized to sign contracts on behalf of the partnership.

Legal Name of Bidder:

State of Incorporation:

Business Address:



Telephone Number:

E-mail Address:

Federal Tax ID Number:

1.07 Signature of Authorized Bidder Representative

Signature:

Typed Name:

Title:

Date:

-End of Section-



XIV. RENO-SPARKS CONVENTION AND VISITORS AUTHORITY – 5% BID BOND

KNOW ALL MEN BY THESE PRESENTS: That we the undersigned
_____, as "Principal," and
_____, as "Surety," are
hereby held and firmly bound unto the Reno-Sparks Convention and Visitors Authority,
as "Obligee," in the penal sum of
_____ dollars (\$_____) for the payment of which, well and truly to be
made, the Principal and Surety bind themselves, their heirs, executors, and
administrators, successors, and assigns, jointly and severally, by this instrument.
The condition of the obligation of this bid bond is as follows:

WHEREAS, NRS 332.105 authorizes local governments to require bid bonds to insure
execution and proper performance of the Contract and the Bonding Company has an
"A" or better rating with Moody's or A.M. Best and T-Listed with the U.S. Treasury
Department;

AND, WHEREAS, the Principal has submitted a bid for Bid # **2023-OP04 PWP-
WA-2023-438** for the **RENO-SPARKS CONVENTION PARKING LOT
PAVEMENT REHABILITATION PRJOJECT**

NOW, THEREFORE,

- (a) If said Bid shall be rejected; or
- (b) If said Bid shall be accepted and the Principal shall execute and deliver the
contract in the bid documents ("Contract") to Obligee in accordance with
the terms of the bid documents, and give such bond or bonds as may be
specified in the bid or contract documents with good and sufficient surety
for the faithful performance of such Contract and for the prompt payment
of labor and material furnished in the prosecution thereof; or
- (c) If the Principal shall pay to the Obligee the full amount of the bid bond as a
penalty irrespective of the Obligee's actual damages in the event of the
failure of the Principal to enter into such Contract and give such bond or
bonds,

then, this obligation shall be null and void. Otherwise, it shall remain in full force and
effect, it being expressly understood and agreed that the liability of the Surety (but
not of the Principal) for any and all claims hereunder shall, in no event, exceed the
penal amount of the obligation as herein stated.

The Surety, for the consideration for which this bond was executed, hereby stipulates,
and agrees that the obligations of said Surety and its bond shall be in no way impaired
or affected by any extension of the time within which the Obligee may accept such
bid, and hereby waives notice of any such extension.



IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and the Surety has caused their seal to be hereto affixed and these present to be signed by their proper officers.

Signed, Sealed, and dated: _____

Principal
By: _____

Surety
By: _____

Prepared for:

Reno-Sparks Convention Center

4590 South Virginia Street
Reno, NV 89502

June 30, 2023

Specifications for Construction

for

Reno-Sparks Convention Center

4590 South Virginia Street
Reno, NV 89502

2023 Pavement Rehabilitation Project

BIDS DUE:

Per Reno-Sparks Convention Center Instructions

Prepared by:

ROOF AND PAVEMENT CONSULTANTS



2110 Pewaukee Rd., Ste D
Waukesha, WI 53188
PH: 319.393.9100
FAX: 262.549.1308

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**Reno-Sparks Convention Center
4590 South Virginia Street
Reno, NV 89502**

**2023 PAVEMENT REHABILITATION PROJECT
DETAILED SPECIFICATIONS**

**Prepared by: Benchmark, Inc.
2110 Pewaukee Rd., Ste D
Waukesha, WI 53188
Phone: 319.393.9100**

Dated: June 30, 2023

Bids are due and should be submitted per Reno-Sparks Convention Center instructions.

Acknowledgement of bid invitation, technical questions, or Requests for Information (RFI) shall be addressed via contact provided by Reno-Sparks Convention Center.

TECHNICAL SPECIFICATIONS

0.01 GENERAL REQUIREMENTS:

All work shall be done in accordance with these plans and specifications prepared by Benchmark, Inc., dated June 30, 2023.

Reno-Sparks Convention Center is requesting a proposal to furnish all labor, materials, tools, equipment, supplies, barricading, permits (including applicable costs), protection of public and private utilities, and all other items necessary for the proposed project.

Taxes shall be considered inclusive with unit pricing, unless a separate "tax" pay item is provided on the proposal form.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMIT(S) FROM THE APPROPRIATE AGENCY(S) TO COMPLETE THIS PROJECT. THE COST OF THE PERMIT(S) WILL BE PAID FOR BY CONTRACTOR.

The Contractor's placement of aggregate base and/or pavement (asphalt or concrete) indicates acceptance of the subgrade. All specified thicknesses shall be minimum compacted thicknesses. All specified application rates are residual.

References

Contractor shall follow all local, state and federal codes and regulations. All work shall be performed in strict accordance with the State of Nevada - Department of Transportation (DOT) - Standard Specifications latest edition and supplementals.

Safety Requirements

Job site safety is the sole responsibility of the Contractor. Contractor is required by law to comply with all OSHA (Occupational Safety and Health Administration) laws and regulations. Traffic control measures are to comply with MUTCD (Manual of Uniform Traffic Control Devices) latest standards at a minimum as well as those identified in Section 0.11 of these specifications.

The Contractor is required to have and implement their own safety plan. The Owner or Owners Representative may request written safety procedures or a manual at the preconstruction meeting along with a schedule of the on-site safety meetings and the Contractor's safety director contact information. Any specific additional safety requirements for the facility will be reviewed at the preconstruction meeting.

The Contractor shall have, on-site, all product MSDS (Material Safety Data Sheets) and comply with the safe handling and use of these materials. MSDS will be made available to emergency personnel as needed.

In addition, the following on-site requirements are applicable for this project.

1. Full PPE including, but not limited to Hard Hat, Safety Goggles, Safety Vests, Steel Toed Shoes and Earplugs.
2. The contractor is required to have daily safety meeting to cover any safety issues.

Contractor Qualifications

Contractors invited to submit a bid for this project have been selected based upon certain general prequalification standards. The Owner reserves the right to award the project based upon additional criteria, beyond price, which may include capabilities, resources, equipment, materials, experience and/or schedule that are believed to be in the Owner's best interest.

Site Conditions

The Contractor will have examined the site prior to bidding and gained full knowledge of existing conditions and proposed repair/rehabilitation work that is to be executed.

Americans with Disability Act (ADA)

All construction rehabilitation work that takes place in the areas identified will be in full compliance with the minimum requirements of the 2010 Standards for Accessible Design (inclusive of Title II, Title III and 2004 ADAAG per facility type) as set forth by the US Department of Justice (www.ADA.gov) along with any State or local government standards. Special attention is to be made with paving slopes for Accessible:

- Parking space(s) and aisle(s) slope: 1:48 (2%) maximum
- Route(s) slope: 1:20 (5.0%) maximum in direction of travel
1:48 (2%) maximum cross slope
- Ramp(s) slope: 1:12 (8.33%) maximum in direction of travel
1:10 (10.0%) maximum side slopes
1:20 (5%) maximum counterslope (gutter pan)

Pavement markings, signage and other appropriate standards are also to comply for all work that is performed.

Protection & Adjustment of Frames, Grates, Valve Boxes, Etc.

It shall be the Contractor's responsibility to protect all surface structures, such as catchbasin frames and grates, manhole frames and covers, valve boxes, etc. from damage resulting by construction operations. It shall be the responsibility of the Contractor to make the final height adjustment of all inlets and all other structures within paved sections. It is imperative that the final surface has a smooth, gentle transition over the structure.

Protection of Public & Private Utilities

The location of any existing utilities as may be indicated on the plan are approximate. There may be other utilities within the project limits that are not shown.

The Contractor shall be solely responsible for the protection of all utilities on-site, public or private. The Contractor shall be responsible for the locating and marking of all utilities, prior to the start of work and maintaining the locations throughout the duration of the project. Contractor shall coordinate public utility locating through Call Before You Dig 811 service. Private locates will need to be coordinated separately. The Contractor is responsible for any and all costs associated with locating the existing utilities.

All utility locations that are potentially in conflict with the construction activity must either be potholed by hand digging or hydro-excavated to expose the utility at an adequate amount of locations establishing line and grade to avoid disturbance. Hydro-excavation includes the use of pressurized water jetting and vacuum technology. The utility opening shall be backfilled or steel plates installed after line and grade are established. The utility owners will be notified of any damage prior to backfilling to allow for repair.

Appropriate measures shall be taken as necessary for the protection of these utilities during construction. If damage to utilities occurs during construction, the Contractor shall immediately notify the Owners Representative and/or Owner.

The Contractor is responsible for the immediate repair of any and all damaged utilities and is required to use and pay the Owner's electrician, irrigation contractor, and other(s) for this work when desired. This contact information will be provided at the preconstruction meeting.

A set allowance cost may be included with the proposal form and made part of the awarded contract value. When approved by the Owner, the Contractor will be reimbursed for the actual cost of these repairs on a time and material basis only if the Owners Representative and Owner determine the damage(s) to be at no fault of the Contractor through proactive efforts to protect those lines when working within these areas.

Truck & Equipment Load Limitations

The Contractor shall limit the truck axle loadings and weight of all construction equipment, including the hauling of materials, so that the existing pavement is not damaged during the construction operations. A route for all trucking will be established during the preconstruction meeting. The Contractor is responsible for all trucks to adhere to this route. Any avoidable damage shall be repaired at the Contractor's expense to the satisfaction of the Owners Representative.

Vehicles & Equipment

The Contractor shall have adequate and appropriate vehicles and equipment for executing the construction work. All vehicles and equipment shall be in safe operating condition and maintained in good working order. Malfunctioning or broken down vehicles or equipment is to be properly repaired or replaced with backup equipment immediately to avoid project delays.

Paving equipment (paver(s) and rollers) will be of appropriate size for the project area and density requirements.

Vehicle and Equipment Refueling and Maintenance

Construction sites may be subject to Environmental Protection Agency (EPA) 40 CFR Part 112 regulations that require the preparation and implementation of a Spill Prevention, Control and Countermeasure (SPCC) Plan to prevent stormwater pollution from spills of oil, fuel or other hazardous fluids.

Performing equipment/vehicle fueling and maintenance at an off-site facility is preferred over performing these activities on the site. On-site fueling and maintenance is to be performed only in areas that are clean and dry. Covered areas are preferred, if possible. The on-site fueling area should have a spill kit and a staff trained in its use. Significant maintenance on vehicles and equipment should be conducted off-site.

Include the locations of these areas and your inspection and maintenance procedures in the Storm Water Pollution and Prevention Plan (SWPPP).

- Train employees and subcontractors in proper fueling procedures (stay with vehicles during fueling, proper use of pumps, emergency shut-off valves, and such).
- Inspect on-site vehicles and equipment daily for leaks, equipment damage, and other service problems.
- Clearly designate vehicle/equipment service areas away from drainage facilities and water-courses to prevent stormwater run-on and runoff.
- Use drip pans, drip cloths, or absorbent pads when replacing spent fluids.
- Collect all spent fluids, store in appropriate labeled containers in the proper storage areas, and recycle fluids whenever possible.

Provide material handling procedures and storage requirements and ensure that clear and concise spill cleanup procedures are provided and posted for areas in which spills may potentially occur. Notify appropriate authorities in the event of a spill. Immediately cleanup of spills and dispose of properly.

Grades & Staking

The Contractor shall maintain adequate drainage of all new installations and meet the grades of existing structures, driveways, and pavements within or adjacent to the new installation. The Contractor is responsible for the adequate drainage, slope, and smooth transitions of the proposed pavements.

The Contractor shall be responsible for all initial staking and restaking necessary for establishment of survey control, grade elevations and/or alignment.

There will be no standing water upon completion of the work.

Preconstruction Meeting

As part of the requirements of this Project, the Contractor will participate in a preconstruction meeting, prior to the start of work. The Contractor shall have present at this meeting a designated project manager and any other field superintendents and/or foreperson(s) that will be performing the work at this site. Representatives of any subcontracted work shall also be present at this meeting.

Communications

This work includes many areas within the site facilities. Construction activities may need to be scheduled accordingly to maintain operational activities at the site. Close coordination of all construction activities will be required on a daily basis. A contact list (phone numbers and email addresses) will be distributed along with procedural guidelines to the successful Contractor prior to work commencing. Email communications are the preferred form of all communications for this work.

This Contractor will be expected to have one (1) designated project manager, conversant in English, who will be responsible for all project related issues and communications. This project manager will be available throughout the duration of the project.

Weekly Schedule Updates

As part of the requirements of this project, the Contractor will submit the attached project/progress schedule for all the proposed work. An anticipated construction schedule will be required prior to award of the contract. Updated project/progress schedules will be given to the Owners Representative for review by every Thursday at 5:00 p.m. for the proposed following week of work. Weekly or bi-weekly meetings, to discuss project related issues, will occur throughout the duration of the project at the discretion of the Owners Representative.

Portable Lighting

The Owner will make arrangements for the existing site lighting to remain on for any night time work activities. Any additional lighting required for construction activity is

to be provided by the Contractor, as necessary, for night time construction. When temporary portable light towers are necessary, these shall be a minimum 30' height and 4 light, 4,000 watt illumination, are to be placed and maintained, as needed.

Portable Restroom Facilities

The Contractor is required to provide and maintain adequate, portable, chemical restroom facilities and washing stations during construction activities, as needed. Existing property restrooms shall not be used by construction personnel. Location shall be determined during the preconstruction meeting.

Water Supply

The Contractor is required to provide water for use during construction activities through municipal meter or water truck. Use of Property water bibs will only be allowed for use through prior authorization by the property Owner, during the preconstruction meeting.

Daily Site Clean Up

The Contractor shall be responsible for maintaining all work areas in a neat and orderly manner. The Contractor shall complete any necessary cleanup upon notice and to the satisfaction of the facility or Owners Representative.

Contractor shall provide and maintain industrial type waste container(s)/dumpster(s) on site for any waste or debris that is generated and will not at any time use facility dumpsters.

Unit Prices

This is a unit price contract with estimated quantities included on the accompanying proposal form. Contractor will be paid for actual quantities of work performed as verified by the Owners Representative. All material load tickets, delivery tickets and bill of lading are required for final payment.

Warranty

Upon project completion and prior to the release of final payment, the Contractor, shall execute a one (1) year warranty from the date of substantial completion for materials and workmanship. This warranty will supersede any subcontractor, installer, material/product manufacturer/supplier warranty of less than one (1) year.

Submittals

A full submittal package shall be forwarded to the Owners Representative, for review, as identified in the award notification and shall be provided no less than seven (7) days prior to the preconstruction meeting.

The submittal requirements will be per the Technical Specifications and will include:

<u>Administrative Items:</u>	
1	Quality Control Plan/Program
2	Traffic Control Plan
3	Safety Program/Plan
4	List of All Related Laboratory Testing Companies
5	List of Key Personnel and Subcontractors
6	Permit Verification
7	Contract Verification
8	Project/Progress Schedule
<u>Material Items:</u>	
0.21	Erosion/Sediment Control
0.70	Stone Undercut (1-1/4")
0.80 to 0.83	Tack Coat
2.41	Asphalt Binder Course (19.0MM)
2.41	Asphalt Surface Course (12.5MM)
2.61	Reinforced Concrete Pavement (Concrete, Reinforcement, Curing Compound, Expansion Material, Joint Sealant)
1.11	Pavement Marking
2.10	Asphalt Surface Treatment
2.32	Asphalt Crackseal
5.10 to 5.30	Utility Structure (Frame / Cover)

All asphalt submittals must include recent quality control charts, laboratory worksheets and contact information of the Quality Control Manager.

If, after initial approval, alternate material sources are being considered or deemed necessary, submittals must be provided for review and authorization of use within 48 hours of project commencement.

SCHEDULE AND COORDINATION

The Contractor shall perform the work as specified in these documents.

It is imperative that the work under this project be pursued to completion in a timely and diligent manner with minimal disruption to the site access and operations of the facility. A proposed construction schedule shall be submitted to the Owners Representative for approval, prior to the award of the Contract.

The Contractor may start work once contracts are in place with Client. The anticipated duration of the work is 5 weeks. Some dates may be blocked based on events at the facility.

Within the Proposal Form, the Contractor shall state whether or not this schedule can be met. Bidders have the option to submit their proposed alternate schedule, which

the Owner will review and evaluate. The Owner places a high value on the schedule and retains the right to award the work to the Contractor who presents the most favorable bid cost and schedule package.

0.10 TRAFFIC CONTROL INSTALLATION

0.11 - TRAFFIC CONTROL INSTALLATION

The Contractor shall, at all times, provide traffic control for both vehicular and pedestrian traffic in the proposed work zone to prevent accidents from occurring and the tracking of the tack coat or other materials. Traffic Control shall be in the form of directional and informational signage, barricading, caution tape, traffic safety cones, temporary striping, pedestrian fence (orange safety fence), etc. to provide adequate directional routing of vehicles and pedestrians through or around the construction activities. Barricades shall have operational flashing lights and construction rope or caution tape between them. Flagperson(s) will be required where vehicles or pedestrians are traveling through construction activities.

All traffic control is to meet the minimum requirements of the Manual on Uniform Traffic Control Devices (MUTCD) and standard Department of Transportation (DOT) specifications, where applicable.

The Contractor will provide reasonable access through the construction zone. This may require temporary ramping, as necessary, at phase limits, driveways or sidewalks. Access for emergency vehicles will be maintained at all times.

No areas under construction shall be open to pedestrian and/or vehicular traffic without proper safety measures implemented and approved.

Special traffic control items that the Contractor will address, during the construction of this project, are as follows.

- 1. (0.11h) - Barricade Installation** – Contractor will supply lighted barricades and channelizer cones at construction and phase limits.

Maintenance of traffic control items will be the responsibility of the Contractor throughout the time of construction on a 24 hour/7 day per week basis.

A proposed traffic control plan shall be submitted and approved, prior to work starting on this project. Proper and sufficient barricading and traffic control shall be the sole responsibility of the Contractor. The Contractor shall place and maintain traffic control at all areas affected by the construction activities and/or closed to traffic. Maintaining of the barricades over the weekend is the responsibility of the Contractor. The Owner places a high value on the convenience and safety of the employees and visitors of the facility.

Payment for this item of work shall be made at the contract unit price for 0.11 Traffic Control Installation, as verified by the Owners Representative in the field.

0.20 EROSION/SEDIMENT CONTROL INSTALLATION:

0.21f - EROSION/SEDIMENT CONTROL INSTALLATION (Sediment Trap)

All work shall be performed in accordance with the local State/County Construction Site Best Management Practices (BMP) Handbook, Environmental Protection Agency (EPA) and/or any local ordinances requiring Erosion and Sedimentation Control for project scopes of this nature. The Contractor shall be responsible for obtaining any applicable permits for this work.

Such items as silt fence, ditch check, erosion blanket, mulch, seed, sediment trap, concrete washout(s), tracking pad, and/or rock bags, when identified on the plan or as required by local agency jurisdiction shall be installed at the locations identified, per the detail on the plans and/or per local requirements. Site conditions may dictate adjustments to the locations and quantity of BMP measures in order to prevent erosion and sediment discharge.

Prior to the start of any construction activity, erosion/sediment control shall be installed in order to prevent erosion and sediment discharge and airborne contaminants. Contractor is responsible for maintaining BMP measures throughout duration of the project along with removal upon completion and establishment of permanent erosion control (if identified).

The Contractor shall inspect all erosion control measures within 24 hours at the end of each rainfall event that exceeds 0.5", or daily during periods of prolonged rainfall, or weekly during periods without rainfall. Provide a greater level of maintenance activity if local requirements dictate such. Immediately repair and/or replace any and all damaged, failed, or inadequate erosion control measures.

Maintain records of all inspections and any remedial actions taken.

Remove any sediment reaching a public or private roadway, parking lot, sidewalk, or other paved area. Do not remove tracked sediments by flushing. Completely remove any accumulations not requiring immediate attention at least once daily at the end of the workday. The Contractor shall be responsible for controlling airborne contaminants (Dust Control) at all times, and in all phases of the construction process.

The following minimum requirements are to be met when the following items are specified:

- Erosion blanket shall be a double net straw erosion control blanket with 75% agricultural straw fibers (0.50 lbs/sy) at least 4" in length contained within a full coverage UV protected polypropylene netting (0.5" x 0.5") with biodegradable additive such as North American Green S150 (Double-Net Straw Blanket), or

an approved equivalent secured with 6" staples and/or per manufacturer's requirements.

- Sediment trap shall be a geotextile/trap system for drainage structure applications.
- Concrete washout to be portable dumpster type units specifically designed for concrete washout purposes or constructed on site per the plan detail that prevent runoff. Cover washout prior to rain events. All washout liquid and residue is to be properly disposed of off site.
- Tracking pad aggregate shall be 6 inches of clear or washed stone 3-inch minus in size. The Contractor shall inspect the aggregate material daily and replace any aggregate that is deemed to no longer provide effective protection to the adjacent roadways. If necessary, the Contractor shall provide a temporary crushed aggregate parking area for construction equipment staging, and personnel vehicles.
- "Rock Bags" or temporary check are to be constructed across curbs, drainage gutters and around drainage structures to reduce the velocity of water flowing into the storm sewer system. Rock Bags are to be stone filled geotextile bags as indicated in the plan details. Rock Bags shall be placed such that the resultant ponding will not cause inconvenience or damage to adjacent areas.

Contractor is responsible for maintaining BMP measures throughout duration of the project along with removal upon completion and establishment of permanent erosion control (if identified).

Payment for this item of work shall be made at the contract unit price for 0.21 Erosion/Sediment Control Installation, as verified by the Owners Representative in the field

0.30 – 0.95 MAJOR SYSTEM REHABILITATION:

0.70 STONE UNDERCUT (1-1/4")

This item shall include the removal and disposal of unsuitable material which is excavated below subgrade (EBS). Work shall include the excavation and disposal of existing material, furnishing and installing the replacement material, and proper compaction with fine grading. This item is not intended for areas that become unstable because of the Contractor's inability to place pavement in a timely manner.

Replacement shall be with a well-graded Crushed Aggregate Base Course (CABC) or Graded Aggregate Base (GAB) meeting the following gradation:

Percent Passing

<u>Sieve Size</u>	<u>1-1/4" Minus</u>
3" (75mm)	-
1-1/2"(37.5mm)	100
1-1/4"	95 to 100
1" (25mm)	-
3/4" (19mm)	70 to 93
3/8"	42 to 80
No. 4	25 to 63
No. 10	16 to 48
No. 40	8 to 28
No. 200	2 to 12

Alternate gradations must meet Standard Specification requirement and be approved by the Owners Representative. Alternate materials, such as recycled concrete or asphalt, may be considered and negotiated for use after award of the project.

The Contractor shall provide a fully loaded dump truck or water truck for proof rolling. The proof roll shall be conducted over the entire area or as agreed to with the Owners Representative. Unstable areas that cannot be reworked, recompacted or stabilized and for which alternate measures are not conducive or reasonable shall be undercut. When possible, slope bottom of excavation for drainage.

The Contractor shall fine grade and compact the crushed aggregate base course. Compaction shall be performed with a single drum vibratory compactor having a minimum operating static weight of 12,000 lb. and a minimum centrifugal force of 22,000 lb. In the event the material is deficient in moisture content for readily obtaining the necessary density, it shall be moistened to the degree necessary by means of approved equipment. The compaction operation shall continue until the Owners Representative observes no visible displacement of material laterally or longitudinally under the compaction or hauling equipment.

Payment for this item of work shall be made at the contract unit price for the completed quantity of 0.70 Stone Undercut (per ton of stone installed), as verified by the Owners Representative in the field.

1.00 PAVEMENT MARKING:

1.11 PAVEMENT MARKING APPLICATION

The work under this section includes the verification and documentation of all the existing pavement markings, remarking of all pavement markings within the pavement areas or installation of new or revised pavement markings as directed by the Owners Representative. This work will include parking stall lines; numbering; lettering; roadway center lines, lanes or fire lanes; curbs; stop bars; cross-walks; directional arrows; accessible stalls, aisles, parking symbols and routes; bollards and light pole bases or other existing markings that are in the area designated on the plan.

The Contractor shall verify all existing markings prior the pavement work. All pavement markings shall be re-established per the existing layout, width, and color unless otherwise noted on the plan. A plan documenting the dimensions and colors of the existing pavement markings will be provided by the Contractor, if requested. Remarking of the pavement must be done in compliance with all applicable local codes and ADA requirements. Pavement markings shall be performed after all other pavement work is complete.

The paint used shall be a highway marking paint meeting or exceeding Federal Specification TT-P-1952 for waterborne paint that is a fast drying chlorinated rubber, alkyd, or solvent based acrylic formulations. Volatile Organic Compound (VOC) levels shall comply with the most current EPA regulations. Material Product Data Sheets (PDS), Safety Data Sheet(s) (SDS) and manufacturer's recommended application instruction sheet(s), representing each paint type shall be supplied to the Owners Representative.

The Contractor shall be responsible for all layouts to establish the required pavement markings. Paint application shall produce an average wet film thickness of 0.38mm (15 mils or 0.015 inches) with uniform and straight edges. Where required, blue paint shall be used for accessible markings. All markings are to be non-reflectorized, unless otherwise noted. **Two (2) coats of paint will be required for all types of markings.**

The Contractor will be responsible for removing any existing dirt or debris from areas to be remarked. Where a new layout pattern is changing in an area with no pavement work, remove the existing markings through scarification, high pressure blasting or other means that limit pavement surface damage. Paint will not be applied if the pavement is not clean and dry. Application will only take place under conditions and in accordance with the manufacturer's recommendations. If new pavement requires a curing period, Contractor will place temporary markings prior to opening to traffic. Markings will be barricaded from traffic and protected until dry.

Payment for this work shall be made at the contract unit price for 1.11 Pavement Marking Application, as verified by the Owners Representative in the field.

2.00 PAVEMENT REPAIR/PREVENTIVE MAINTENANCE:

2.10b ASPHALT SURFACE TREATMENT – (BITUMINOUS SEALER)

Description:

The work shall consist of cleaning, preparing and applying the bituminous based sealer surface treatment in accordance with these specifications on existing asphalt pavement to areas specified by the Owner. All procedures necessary to correctly perform the work as required in these specifications shall be incidental to the project.

Submittals:

Contractor shall furnish and submit to the Owner, manufacturer's Product Data Sheet and Job Mix Formula material certification that the material is the type and grade specified.

Contractor shall provide written authentication from the manufacturer that they are an authorized applicator, fully trained and using manufacturer approved application equipment and practices for application of the specified bituminous sealer binder.

Contractor shall have at least five years experience in application of the bituminous sealer binder on similar projects and provide the Owner with a list of at least five project references and contacts similar in size and scope along. A history of non-tracking products and installations is required.

Materials:

Polymer modified mineral reinforced asphalt emulsion blended with polymers and special surfactants for superior adhesion, flexibility, and durability. Specifically graded aggregate and applied at a rate of 58-62% solids. The aggregate provides a safe, skid-resistant surface for both pedestrian and vehicle traffic. Sealer material upon cure is to be non-tracking.

- Non Volatiles % 43-47%
- Ash Non Volatiles % 42-52
- Specific Gravity 25°C 1.15-1.25
- Drying Time 8 Hr. Max.
- mix ratio 100 gallons Bituminous Concentrate to 400 lbs of Sand (40-60 mesh AFS)

Material shall be homogenous and show no separation or coagulation that cannot be overcome by moderate stirring.

Application:

A manufacturer's representative is required to be present in the field to assist the Contractor in carrying out spot tests and/or test strips on the pavement to be treated to determine the optimum application rate and for owner approval. This shall be done just prior to the application or any time there is a change in the consistency of the pavement surface.

Bituminous sealer binder shall be applied in ready to use form only. Material dilution is not allowed. The bituminous sealer binder application shall be initiated only after the ambient air temperature is 50°F (10°C) and rising.

Surface Preparation:

Contractor shall prepare the asphalt surface to be treated so that it will be free of all dirt, sand, weeds, grass, and excessive grease and will be required to remove dust, dirt, sand, leaves, plants and debris from the asphalt surface, as well as cleaning nearby adjacent surfaces where cleaning operations overlap. The surface shall be cleaned with a power broom, air brooms, supplemented by hand sweeping, power vacuum, or any other means required to remove deleterious matter to achieve

penetration and bonding of the bituminous material. Treat all grease, oil, and gasoline spots or stains with manufacture approved treatments.

Application Rate of Mixed sealer material: Apply properly mixed at a rate of .11 to .13 gallon per square yard (70-82 square feet per gallon) per coat. A total of **two coats** should be applied per manufactures recommendations with the 1st coat squeegee applied.

Sealer shall be applied by self-propelled squeegee equipment supplemented by hand squeegee of areas inaccessible by self-propelled machinery. Equipment shall have continuous agitation or mixing capabilities to maintain homogeneous consistency of pavement sealer mixture throughout the application process. Self-propelled squeegee equipment shall have at least 2 squeegee or brush devices (one behind the other) to assure adequate distribution and penetration of sealer into bituminous pavement. Hand squeegees and brushes shall be acceptable in areas where practicality prohibits the use of mechanized equipment.

Pressurized spray equipment is acceptable for 2nd coat application if desired by the contractor. Application equipment shall be capable of spraying pavement sealer with sand added.

Application of bituminous sealer binder near buildings and other structures will be accomplished using a suitable shield as needed to prevent material over-spray from collecting. Curbs, gutters, drives and walks are to be protected from over-spray or spillover. The bituminous sealer binder application is to be made with all signs and bumper blocks in place.

If it is necessary for pedestrians to cross the wet asphalt at any place, the Contractor shall anticipate such a necessity and provide a suitable walkway of boards or sand.

Before the final estimate is allowed, the Contractor shall file with the Owner certified weigh bills of the emulsion materials actually used in the construction covered by the contract. Copies of weigh bills shall be furnished to the Owner during the progress of the work.

Payment for this item of work shall be made at the contract unit price for the completed quantity of 2.10b Asphalt Surface Treatment (Sealcoat) placed, as determined by the Consultant in the field.

2.32 ASPHALT CRACKSEAL APPLICATION

The work under this section shall include preparation and filling pavement joints and cracks meeting the following requirements at all locations as identified on the plans and details. All pavement work shall be done prior to sealing.

The below pre-approved list is for acceptable materials within climate/temperature range that meets performance criteria for ASTM D6690 Type I, II, III and IV classifications.

Material Requirements/Submittals:

Cracksealing products shall conform to ASTM D5167 material requirements. The following is a listing of approved products:

Crafco Parking Lot Sealant No. 34200 or No. 34202

Installation Requirements:

All traffic control necessary for removal, installation and protection of new sealant until cured to avoid tracking, is the responsibility of the Contractor. Facility access must be maintained during all hours of operation and coordinated in advance with the owner's representative.

Contractor is to take proper precautions to avoid damage, dust and dirt to adjacent windows, building walls, pavements and curbs. Any damage which is a result of the construction activity is to be repaired and restored at no additional cost to the Owner. If tracking or spills of the sealant occurs, the Contractor shall immediately clean the areas with a manufacturer approved cleaning material.

Special precautions shall be taken to perform this work under conditions that are conducive to this type of maintenance work. No work should be performed if the presence of moisture exists, which would affect future performance of the completed work.

Contractor is to use only experienced installers.

All cracks (except block and alligator cracking with less than 4' x 4' spacings), which are 3/16" or greater, shall be cleaned to provide a reservoir for the sealant to bond with both vertical faces of the existing pavement. Block and alligator type cracking that has crack spacings of 4' x 4' or less is not required to be routed but still requires cleaning and sealing.

All cracks and joints must be thoroughly cleaned of any prior sealant, dirt, sand, dust, vegetation and debris by the use of wire brushing, sawcutting, routing, high pressure water and/or air blasting to create a solid, clean and adequately wide joint or crack without causing damage to the existing pavement. Final cleaning shall be performed with the use of a rotary screw air compressor operating at 100 psi, delivering a minimum of 5 cubic feet of oil free air per minute. The nozzle shall be approximately 1/4" in diameter. Follow the appropriate manufacturer's recommendations if more stringent measures apply.

Prepared crack or joint is to be completely free of dust, dirt, loose pavement and moisture prior to sealant application. No sealant may be installed if moisture is present or pavement and ambient temperature are below 40 degrees. Keep crack/joint clean and dry until sealant is applied.

The sealant shall be heated and applied at a temperature of approximately 390 degrees, or as recommended by the manufacturer. Care shall be used to insure that the sealant does not cool while being applied. Overheating of the sealant will not be permitted. Reheating of old sealant shall be in accordance with manufacturer's recommendations.

Cracks shall be overfilled and struck off with a squeegee modified to leave a bead of sealant approximately two inches (2") wide. Banding boxes or speed boxes are allowed. Any portions that recede shall be refilled. The final surface of the joint sealant shall be flush to 1/4" below the surrounding surface. Apply Crafcro "DETAK" or approved equivalent product to crackseal material prior to opening to traffic, if proper curing time is not possible to avoid any potential tracking.

Test verification of sealant adhesion may be randomly performed at owner's representative's discretion. Test areas and any unbounded sealant are to be removed and replaced at no additional cost.

Payment for this item of work shall be made at the contract unit price for the completed quantity of 2.32 Asphalt Crackseal Application, as verified by the Owners Representative in the field.

2.35 ASPHALT CRACK REPAIR – 2' Wide and 2.41 ASPHALT PAVEMENT RESTORATION - 4" Depth

The proposed pavement restoration shall consist of removing deteriorated, failing or non-compliant pavement and replacing it with asphalt binder and surface material in all areas identified on the plans and per the plan detail.

Material Requirements/Submittals:

Reference specification section Asphalt Materials – Quality Control / Quality Assurance requirements for both materials, installation and QC/QA requirements.

Installation Requirements:

All traffic control necessary for removal and installation of the new pavement is the responsibility of the Contractor. Facility access must be maintained during all hours of operation and coordinated in advance with the owner's representative.

Special precautions shall be taken to perform this work under conditions that are conducive to this type of maintenance work. No work should be performed if the presence of moisture exists, which would affect future performance of the completed work. Ambient temperature shall be 40° F and rising prior to placement.

These items include the removal of all deteriorated and damaged pavement within the repair areas and the placement of asphalt binder and surface material in accordance with the following procedures:

1. Contractor shall string line and paint out the perimeter repair area edges.
2. Sawcut (wet) or mill the perimeter of the pavement repairs. The cut should extend to the minimum depth required, enabling the Contractor to remove the existing failed pavement, leaving a neat, straight, vertical edge. The saw-cut edges shall be straight, clean and free of spalling.
3. The existing pavement section shall be milled and/or excavated to the proper minimum depth(s) as indicated from the top of the existing pavement and removed from the site for recycling or disposal. Removal and disposal may include such items as existing paving fabric and is an incidental cost to this item of work. The Contractor shall use excavating equipment, which will not damage the existing adjacent pavement while performing this work.
4. In areas where the aggregate base is exposed, the base course shall be properly graded and compacted for adequate support and depth of new pavement. In areas where existing asphalt still remains, the Contractor shall broom, clean and tack, prior to asphalt installation. Areas over excavated are to be brought up to grade with stone base or asphalt at the Contractor's expense. Any unsuitable subgrade materials are to be undercut and paid for under the stone undercut item upon approval from the owner's representative.
5. The repair area shall be paved with bituminous binder material meeting all the material, density and installation requirements that follow. The binder (lower) course shall be placed at the proper elevation in order to receive the intermediate or asphalt surface. A tack coat of emulsified asphalt shall be applied between each asphalt layers and to all vertical edges. Installation thicknesses shall be as follows:

2.41 – Asphalt Pavement Restoration	Minimum Installation Depth/Thickness Chart			
		4" Depth		
Surface Course Minimum Depth		2"		
Binder (lower) Course(s) Minimum Depth		2"		

6. Asphalt surface material shall not be performed until the lower layer (binder) has had sufficient time to cool to less than 120° F. This may require performing these operations on separate days. All asphalt surface material shall be installed per tolerances, slope and other QC/QA requirements that follow. Surface shall maintain positive drainage and smooth transitions from and onto all surrounding pavements or curbs. This course shall be smooth, even, consistent (free of segregation), uniform in appearance, free of roller marks, and of uniform density with properly matched and tight joints. In areas of ADA, slope compliance shall be maintained to within maximum thresholds.
7. Pavement remarking is to be done incidental to this item in accordance with the pavement marking specification.

Reference Section 40.00 Quality Control / Quality Assurance for material mix design, QC/QA, testing, and acceptance requirements.

Payment for this item of work shall be made at the contract unit price for the completed quantity of 2.41 Asphalt Pavement Restoration, as verified by the Owners Representative in the field.

2.61 REINFORCED CONCRETE PAVEMENT RESTORATION – 5" and 8" Depth

The proposed pavement restoration shall consist of removing deteriorated, failing or non-compliant pavement and replacing it with reinforced concrete pavement in all areas identified on the plans and per the plan detail.

Material Requirements/Submittals:

Reference specification section Concrete Material – Quality Control / Quality Assurance requirements for both materials, installation and QC/QA requirements.

Installation Requirements:

All traffic control necessary for removal and installation of the new pavement is the responsibility of the Contractor. Facility access must be maintained during all hours of operation and coordinated in advance with the owner's representative.

Special precautions shall be taken to perform this work under conditions that are conducive to this type of maintenance work. No work should be performed if the presence of moisture exists, which would affect future performance of the completed work. Ambient temperature shall be 40° F and rising prior to placement.

These items include the removal of all deteriorated and damaged pavement within the repair areas and the placement of reinforcement and concrete material in accordance with the following procedures:

1. Contractor shall string line and paint out the perimeter repair area edges.
2. Sawcut (wet) the perimeter of the pavement repairs. The cut should extend to the minimum depth required, enabling the Contractor to remove the existing failed pavement, leaving a neat, straight, vertical edge. The saw-cut edges shall be straight, clean and free of spalling.
3. The existing pavement section shall be excavated to the proper minimum depth(s) as indicated from the top of the existing pavement and removed from the site. The Contractor shall use excavating equipment, which will not damage the existing adjacent pavement while performing this work.
4. In areas where the aggregate base is exposed, the base course shall be properly graded and compacted for adequate support and depth of new pavement. Areas over excavated are to be brought up to grade with stone base or asphalt at the Contractor's expense. Any unsuitable subgrade materials are

to be undercut and paid for under the stone undercut item upon approval from the owner's representative.

5. The repair area shall be paved with concrete material meeting all the material, and installation requirements that follow. Reinforcement and joint construction shall be as follows:

Vehicular traffic areas:

Joint Reinforcement: Construction, Transverse and Longitudinal Joints shall be reinforced with #4 rebar 18" in length spaced at 18" on center.

Welded Wire Mesh – Mesh shall be 4 X 4 – W4 X W4 OR #4 continuous rebar at 12" x 12" spacing placed at 1/2 total depth. The reinforcement shall be supported by continuous high chair upper supports or equivalent. Overlap two square minimum on wire mesh or 2' in length for #4 rebar.

All joints shall be sawed at 12' minimum to 15' maximum square panels.

Sidewalk, walkways, pedestrian ramps and other non-vehicular concrete pavement areas:

Construction Joints - The new concrete shall tie into existing or previously poured concrete by installing #4 rebar 18" in length, spaced 18" on center and anchored in place with epoxy.

Welded Wire Mesh – Mesh shall be 6 X 6 – W2.9 X W2.9 placed at 1/2 total depth. Overlap two square minimum. The welded wire mesh will be supported by continuous high chair upper supports or equivalent.

All joints shall be sawed unless matching existing tooled joints adjacent to the new concrete. Standard joint spacing for walkways will be to match the existing joints typically at 5' to 6' square panels.

The new concrete shall be installed with a monolithic curb and/or thickened edge to match existing or if indicated on the plan detail.

6. In areas adjacent to existing buildings where an expansion joint is necessary, the Contractor shall install resilient filler which is 1/2" to 3/4" in thickness. Fiber or foam expansion joints with removable strips shall be placed along buildings, bollards and fixed objects.
7. All concrete material shall be installed per tolerances, slope and other QC/QA requirements that follow. Surface shall maintain positive drainage and smooth transitions from and onto all surrounding pavements or curbs. This course shall be smooth, even, consistent (free of segregation), uniform in appearance, free of irregular, rough or porous areas and with properly matched and tight joints. In areas of ADA, slope compliance shall be maintained to within maximum

thresholds. The finished pavement shall have a light broom finish, or a uniform surface texture similar to the surrounding pavements.

8. Finished (non-colored) concrete shall be sprayed with a white pigmented curing compound meeting ASTM C309 and AASHTO M148 - Type II, Class A or B. Application rate is to be a minimum of 200 square feet per gallon. Curing compound application shall take place after final finishing of the concrete surface.
9. All joints shall be sealed with a silicone sealant. The sealant shall be placed to reasonably close conformity with dimensions shown on the plans.
10. The perimeter area is to be restored to an "in kind" condition. The Contractor shall perform any pavement patching, placement of sufficient topsoil, grading, seeding, landscaping material and other items necessary. This work is considered incidental to this bid item; unless, otherwise identified.

The Contractor shall be responsible for the protection of the concrete until it is open to foot or vehicle traffic.

11. Pavement remarking is to be done incidental to this item in accordance with the pavement marking specification.

Reference Section 40.00 Quality Control / Quality Assurance for material mix design, QC/QA, testing, and acceptance requirements.

Payment for this item of work shall be made at the contract unit price for the completed quantity of 2.61 Reinforced Concrete Pavement Restoration, as verified by the Owners Representative in the field.

3.00 CURB/SHOULDERING

3.50e CONCRETE VALLEY GUTTER RESTORATION - 36" Wide

This item of work shall include the restoration (removal and replacement) of the concrete curb/gutter (collectively "curb") at locations as indicated on the plan and per the plan details.

Material Requirements/Submittals:

Reference specification section Concrete Material – Quality Control / Quality Assurance requirements for both materials, installation and QC/QA requirements.

Installation Requirements:

All traffic control necessary for removal and installation of the new pavement is the responsibility of the Contractor. Facility access must be maintained during all hours of operation and coordinated in advance with the owner's representative.

Special precautions shall be taken to perform this work under conditions that are conducive to this type of maintenance work. No work should be performed if the presence of moisture exists, which would affect future performance of the completed work. Ambient temperature shall be 40° F and rising prior to placement.

These items include the removal of all deteriorated and damaged curb within the repair areas and the placement of reinforcement and concrete material in accordance with the following procedures:

1. Contractor shall string line and paint out the perimeter repair area edges.
2. Sawcut (wet) the perimeter of the pavement repairs. The cut should extend to the minimum depth required, enabling the Contractor to remove the existing failed pavement, leaving a neat, straight, vertical edge. The saw-cut edges shall be straight, clean and free of spalling.
3. The existing pavement, base and substrate material shall be excavated to the proper minimum depth(s) as indicated from the top of the existing pavement and removed from the site. The Contractor shall use excavating equipment, which will not damage the existing adjacent pavement while performing this work. Any damage to existing irrigation or other utilities is to be repaired at no cost to the Owner.
4. Substrate material shall be properly graded and compacted for adequate support and depth of new repair. Install stone base material to the required depth and mechanically compact. Stone base is to be provided for any adjustments to meet proposed curb elevations. Any unsuitable subgrade materials are to be undercut and paid for under the stone undercut item upon approval from the owner's representative.
5. The Contractor will be responsible for all staking to provide proper horizontal and vertical alignment and all necessary grading and installation of the proposed curb. The new concrete curb shall match and tie into the existing concrete curb with #4 rebar at locations throughout the curb section per the plan details.
6. The repair area shall be formed and reinforcement installed per the plan detail utilizing continuous #4 rebar placed at 1/2 total depth. Rebar shall be supported by chairs or rebar stakes at locations per the plan details. Valley Gutter 36" or wider shall have Welded Wire Mesh placed at 1/2 total depth.
7. In areas adjacent to existing buildings where an expansion joint is necessary, the Contractor shall install resilient filler which is 1/2" to 3/4" in thickness. Fiber or foam expansion joints with removable strips shall be placed along buildings, bollards and fixed objects.
8. All concrete material shall be installed per tolerances, slope and other QC/QA requirements that follow. Surface shall maintain positive drainage and smooth transitions from and onto all surrounding pavements or curbs. The concrete

shall be smooth, even, consistent (free of segregation), uniform in appearance, free of irregular, rough or porous areas and with properly matched and tight joints. In areas of ADA, slope compliance shall be maintained to within maximum thresholds. The finished pavement shall have a light broom finish, or a uniform surface texture similar to the surrounding pavements.

9. Finished (non-colored) concrete shall be sprayed with a white pigmented curing compound meeting ASTM C309 and AASHTO M148 - Type II, Class A or B. Application rate is to be a minimum of 200 square feet per gallon. Curing compound application shall take place after final finishing of the concrete surface.
10. All joints shall be sawed unless matching existing tooled joints adjacent to the new curb. Joint spacing shall be a minimum of 10' and match existing joint spacing or that of the adjacent sidewalk whenever possible. Sawed control and expansion joints shall be sealed with a silicone sealant. The sealant shall be placed to reasonably close conformity with dimensions shown on the plans.
11. The perimeter area is to be restored to an "in kind" condition. The Contractor shall perform any pavement patching, placement of sufficient topsoil, grading, seeding, landscaping material and other items necessary. This work is considered incidental to this bid item; unless, otherwise identified.

The Contractor shall be responsible for the protection of the concrete until it is open to foot or vehicle traffic.

Reference Section 40.00 Quality Control / Quality Assurance for material mix design, QC/QA, testing, and acceptance requirements.

Payment for this work shall be made at the contract unit price for the completed quantity of 3.50 Concrete Curb Restoration, as specified and as verified by the Owners Representative in the field.

5.00 UTILITIES:

5.11b UTILITY STRUCTURE ADJUSTMENT (Raise)

This work shall include the adjustment of the top of the existing utility structure(s) at the location(s) as indicated on the plan.

1. The existing structure is to have all deteriorated material removed to the depth as specified and/or as necessary. Precast concrete is to be sawcut (wet) and removed.
2. The adjustment shall be done by block and/or precast concrete riser rings all with a minimum wall thickness of four inches (4"). All concrete rings shall be

placed in a bed of mortar with a minimum mortar depth of one quarter-inch (1/4").

3. Existing casting(s) and grate(s) are to be salvaged and reused.
4. Adjustment heights are anticipated to be no more than 4".

Payment for this item of work shall be made at the contract unit price for the completed quantity of 5.11 Utility Structure Adjustment, as specified and as verified by the Owners Representative in the field.

5.20c UTILITY STRUCTURE REPAIR (Frame & Cover Replacement)

The Contractor shall remove the existing frame and cover and replace in kind, at the location(s) as indicated on the plan.

Payment for this item of work shall be made at the contract unit price for the completed quantity of 5.20c Utility Structure Repair (Frame & Cover Replacement), as verified by the Owners Representative in the field.

9.00 SIGNAGE:

9.10 ACCESSIBLE SIGN INSTALLATION (Sign and Post)

9.10 ACCESSIBLE SIGN INSTALLATION (Sign and Bollard)

The work under this section includes the removal of one sign and post and installation of sign(s) with posts at the locations as indicated on the plan and at all proposed accessible stalls.

All work shall be done in accordance to the Standard Specifications and will meet all local, State and Federal ADA requirements.

When requested, provide signage schedule and shop drawings and/or samples showing color, layout, text, size, and mounting methods.

Signs for disabled reserved parking are to be 12" x 18" (or as required by local code) and made of high intensity prismatic sheeting. Van accessible and penalty signs are to be added as required. Posts are to be 2" minimum, 14 gauge galvanized steel "U" type posts for single signs and square posts for double sided signs. Two sign posts are to be installed into a 4" diameter Schedule 40 steel pipe bollard. The bollard pipe shall be placed in a concrete footing as indicated on the detail and filled with concrete to the top of the pipe. Prior to painting, pipe shall be wire brushed and be clean of all rust and concrete slurry. The pipe shall be painted yellow.

Payment for this item of work shall be made at the contract unit price for the completed quantity of 9.10 Accessible Sign Installation, as verified by the Owners Representative in the field.

40.00 QUALITY CONTROL/QUALITY ASSURANCE:

40.10 ASPHALT MATERIALS – (Mix Design, QC/QA, Testing, Acceptance)

SCOPE:

Provide plant produced Hot Mix Asphalt (HMA) and construct bituminous concrete paving courses to lines, grades and thicknesses over prepared substrate as shown on the Drawings and as identified in section 2.41.

All materials, workmanship, etc. shall be in strict accordance with the governing State Department of Transportation Standard Specifications (latest edition), hereinafter called the Standard Specifications. ***Alterations to the Standard Specification requirements do exist.*** In the case of conflict, the following detailed specifications shall govern over the Standard Specifications.

SUBMITTALS:

Submit a current proposed Mix Design for each mix required.

Mix Design Material Requirements: *Superpave (per Asphalt Institute, SP-2)*

N _{Design}	50 to 85 gyrations (AASHTO T-312)
Air Voids, V _a (all mixes)	3.5 to 4.0
VMA binder (lower)	12.5 min.
VMA intermediate & wearing (surface)	14.5 min.
VFB	65 to 80
DP - Dust to Effective Binder (P _{be})	0.6 to 1.2

Aggregate Materials and Gradation Requirements:

Final combined blend of aggregates used, including RAP and RAS must meet:

- ☐ Fine Aggregate Requirements:
 - Surface: 2.36mm (#8) sieve \geq 35.0 passing
 - Binder (lower) / Intermediate: 4.75mm (#4) sieve \geq 35.0 passing

Quality Control/Quality Assurance:

The Contractor is required to maintain an in-house Quality Control (QC) Program.

Minimum *daily* QC Plan requirements that are the Contractor's responsibility to be either in-house or subcontracted shall include:

- ☐ Density testing. *In place testing is optional for projects under 150 tons.*
- ☐ Provide load tickets for all materials placed
- ☐ All testing results shall be forwarded by end of production day to project contact listing as identified at the preconstruction meeting.

The presence or absence of QA testing or onsite inspection shall not relieve the Contractor from the inherent responsibility to conform to the contract specifications.

Compaction: **The Contractor shall provide an approved nuclear density meter,** with a State Certified or previously approved operator, for compaction verification of all mixtures placed. **A minimum daily test rate of 2 tests per 100 tons of mix type placed is required.** Pavement and compaction test results shall meet the following requirements:

Placement / Installation Requirements and Construction Tolerances:

- ☐ Layers (courses or lifts) of asphalt placed shall be smooth; even; consistent; free of segregation, stripping & roller marks; and of uniform density. Density values to be of the maximum theoretical specific gravity (G_{mm}) at optimum P_b
- ☐ Binder (lower) or Intermediate Layer:
 - Thickness: Minimum compacted
 - Smoothness within 1/4" in 10'
 - Density = 91.5% minimum over aggregate base
 - Density = 92.0% minimum over existing pavement
- ☐ Upper (Wearing or Surface) Layer:
 - Thickness: Minimum compacted
 - Smoothness within 3/16" in 10' verified to have no ponding water
 - Density = 93.0% minimum

If directed by the Owners Representative, flood test the pavement in-place for verification of tolerances and drainage.

Defective work is to be repaired or replaced at no additional cost to the Owner in a manner approved by the Owners Representative and the Owner so that the finished product is free of evidence of repair.

Failure to meet the established requirements may result in (1) removal and replacement of noncompliant mix at the contractor's expense, (2) price adjustment for noncompliant mix left in place, or (3) an extended warranty for noncompliant mix left in place to be determined at the discretion of the Owner and Owners Representative.

40.20 CONCRETE MATERIAL – QUALITY CONTROL/QUALITY ASSURANCE

Concrete Material Process Control/Total Quality Management:

Unless noted otherwise, all materials, workmanship, etc. shall be in strict accordance with the governing State Department of Transportation Standard Specifications (latest edition), hereinafter called Standard Specifications. In case of conflict, the following detailed specifications shall govern over the Standard Specifications.

The Contractor is required to maintain an in-house Quality Control Program. The Contractor shall pay for all Quality Control or any retesting required.

The Owners Representative shall implement a Quality Assurance Program to reasonably assure that the contract specifications are adhered to. The presence or absence of inspection or field observations shall not relieve the Contractor from the inherent responsibility to conform to the specifications. The Owner shall pay for the Quality Assurance testing, which may include compressive strength testing.

The Contractor shall furnish load tickets for each load delivered to the site. These load tickets shall indicate load time, mix identification number, cubic yards and material weights. If these tickets can not be furnished, the contractor will provide an alternate method of tracking materials being used at the preconstruction meeting.

Concrete Material Submittal Requirements:

Prior to the award of the contract, the Contractor shall submit a current mix design and compressive strength data for all concrete mixtures for the Owners Representative's review and approval.

- ☐ Concrete materials shall conform to locally acceptable DOT concrete mixes.
- ☐ All concrete shall be a high early concrete having the following minimum compressive strength:

3,000 PSI @ 72 hours and 4,500 PSI @ 28 days.

- ☐ The air content for non-slip form paving shall be 5%, plus 1.5% or minus 1.0%.
- ☐ Slump shall be per mix design and have a W/C ratio between 0.32 to 0.45.
- ☐ Welded wire mesh shall be supplied in sheets, not rolls.
- ☐ All steel rebar and dowel bars are allowed to be uncoated steel.
- ☐ Curing compound shall be white pigmented or approved equal (AASHTO M148-Type II, Class A or B).
- ☐ All sealers will be flush, filled and installed per manufacturer's instructions.
- ☐ Preformed material for filling expansion joints shall be Resilient Filler. Resilient filler shall meet requirements of AASHTO M213 and shall be furnished in strips of dimensions shown in the contract documents.

Concrete Material Placement Requirements:

The subgrade and aggregate base beneath the Portland cement concrete pavement shall be prepared in accordance with the applicable sections of these specifications.

No concrete may be placed until temperatures reach 35 degrees and rising. No concrete may be placed on frozen subgrade or aggregate base.

The concrete shall be finished using screeds, floats, and hand tools. The use of extra water during finishing operations will not be permitted. The final finish shall produce a pavement surface that is true to grade and uniform in appearance and free of irregular, rough or porous areas. The finished pavement shall have a light broom finish, or a uniform surface texture similar to the surrounding pavements and acceptable to the Owners Representative. Finished concrete shall be sprayed with a white pigmented curing compound.

It shall be the contractor's responsibility to protect the finished concrete from damage due to rain. Protective material may consist of sheets of burlap, paper, or plastic film. Failure to properly protect the finished concrete may constitute cause for removal and replacement of defective pavement.

Cold Weather Cover:

It shall be the contractor's responsibility to protect concrete from cold weather. At a minimum, the Contractor is required to provide 60 mil plastic covering for protection and curing. If the night temperature forecast is 33 degrees or less, the contractor shall cover the new concrete with insulated blankets. Cover is to be in place for the 72 hour curing period or as determined necessary.

All joints shall be sawed unless alternate methods are approved by the Owners Representative. It is the contractor's responsibility to saw joints before uncontrolled cracking takes place. When uncontrolled cracks take place, the Owners Representative may require the pavement to be replaced at no additional cost to the owner.

All joints shall be constructed in accordance with the requirements of these specifications and the details shown on the plans. All joints shall be sawed and sealed with joint sealer in accordance with the dimensions and details shown on the plans. Standard joint spacing will be set at 12' square. Any adjustments from the 12' spacing must have the approval of Owners Representative. Maximum allowable spacing will not exceed 15' at any time. Field layout of the joint locations is to be approved by the Owners Representative prior to work taking place. Joint spacing will not exceed 6' in sidewalks.

All joints shall be sealed, blown clear of debris and be dry during installation of the sealant.

The concrete pavement shall not be opened to traffic until the contractor provides proper documentation of the compressive strength of the pavement and sealants are fully cured.



PRECONSTRUCTION MEETING NOTES 2023-OP04 Pavement Rehabilitation Project

Client:**Date:**

,

Project:**Address:**

,

Time:☐ a.m. ☐ p.m.**Job No.:****On Site:** ☐ **Teleconference:** ☐

1. Project Team: (☒ indicates present at meeting. Contact list distributed separately.)

Primary Construction Contacts

1.1. Client: ☐ Project Contact:

☐
☐
☐
☐

1.2. Project/Site: ☐ Project Contact:

☐
☐
☐
☐

1.3. Consultant: **Benchmark, Inc.**

☐ Project Field Contact
☐ Project Coordinator/Administrative Contact
☐ Project Design Contact
☐
☐

1.4. Contractor:

☐ Project Contact
☐ Administrative Contact
☐
☐

1.5. Subcontractor/Additional:

☐
☐

1.6. Subcontractor/Additional:

☐
☐

1.7. Subcontractor/Additional:

☐
☐

Client Name
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2. Agenda:

- 2.1. Introductions
- 2.2. Project administrative items review
- 2.3. Communication plan review
- 2.4. Construction execution plan review
- 2.5. Project closeout

3. Contract and Submittal Status:

3.1. Contractor Certificates of Insurance:

- ☐ On file with Client
- ☐ Contractor forwarded on:
- ☐ Contractor will forward on or before:

3.2. Performance and Payment Bond:

- ☐ Not required **OR** ☐ Contractor will forward on or before:

3.3. Contracts/Agreements:

- ☐ Fully executed
- ☐ Awaiting Contractor - will forward on or before:
- ☐ Awaiting Owner - will forward on or before:

3.4. Invoicing:

3.4.1. Benchmark will forward a Payment Recommendation to all parties prior to Contractor invoice.

- ☐ Client - Attn:
- ☐ Contractor - Attn:
- ☐ Other - provide details:

3.4.2. Contractor Invoice:

- ☐ Contractor standard invoice **OR** ☐ AIA format
 - ☐ E-mail transmittal acceptable
 - ☐ Hard copy required
 - ☐ Both e-mail and hard copy required
- ** Benchmark shall be sent an e-mail version of all invoices for files.**

3.4.3. Additional Documentation Needed with Invoices:

- ☐ Lien Waiver(s) required
- ☐ Sworn Statement(s) required
- ☐ Other - describe:

3.4.4. Client Payment:

- Terms: ☐ 30 Days ☐ 45 Days ☐ 60 Days ☐ Other
- Billing cutoff dates:
- Interim billings allowed: ☐ Yes ☐ No Details:

Notes:

3.5. Plans and Specifications:

3.5.1. Contractor has in possession and has read and distributed to subcontractors as needed, the most recent version of plans, specifications and addenda and will have copies on site during construction.

Plan and Specification Date:

Addenda #'s:

3.5.2. Additional copies of plans are needed. ☐ Yes ☐ No

3.6. Submittals:

☐ [All / Some / None] have been forwarded to Consultant for review.

☐ [All / Some / None] are approved.

☐ Alternate plant submittals received for asphalt and/or concrete materials.

3.6.1. Primary asphalt plant name/location:

3.6.2. Primary concrete plant name/location:

3.6.3. Alternate asphalt plant name/location:

3.6.4. Alternate concrete plan name/location:

Notes:

3.7. Permits: (All permitting and fees are the responsibility of the Contractor, with copies provided upon request.)

Permits required: ☐ Yes ☐ No

Permits obtained: ☐ Yes ☐ No

4. Communications:

4.1. All communications through primary contacts listed on Page 1.

4.2. Client:

4.2.1. Provide notification of work activities to staff, employees, tenants, visitors, etc., and updates throughout duration of the project.

4.2.2. Communicate immediately to Consultant any known issues with project activities.

4.2.3. Review and approve recommended field change orders.

4.3. Consultant:

4.3.1. Supply PDF defining work zones for Client notifications, if requested. ☐ Yes ☐ No

4.3.2. Updates and project coordination with Client. Benchmark will update Client of any significant deviations from Contractor's schedule. Benchmark will coordinate all construction activities with the Client.

4.3.3. Consultant and the Contractor will meet daily to review the previous day's work and quantities.

4.3.4. Recommendation and development of field change orders for Client approval.

4.3.5. Final quantities (as agreed to by Contractor) and punchlist items will be finalized prior to Consultant leaving the project. Agreed to final quantities and punchlist will be forwarded to Client.

4.4. Contractor:

- 4.4.1. Project Manager is point of contact throughout project.
- 4.4.2. Notification of any items of work necessary to complete the project in which it is believed to be beyond the original scope of work. These items must be identified to the Consultant immediately. No work is to be performed without a signed and approved Change Order.
- 4.4.3. Coordination with all subcontractors.
- 4.4.4. The Contractor shall advise Benchmark of the schedule or operations and any changes.
- 4.4.5. Timely submission of all Quality Control testing reports to Consultant.
- 4.4.6. Notification of Punchlist completion.

4.5. Schedule Updates:

- Weekly progress meetings: ☐ Yes ☐ No When
Weekly schedule updates: ☐ Yes ☐ No ☐ Thursday by 3:00 p.m. **or when**

5. Project Requirements / Contractor Responsibilities:

- 5.1. All communications through primary contacts listed on Page 1.
- 5.2. Provide quantities of each work item to required minimum thickness or specified yield.
- 5.3. Proper drainage and slope (including ADA where applicable) of proposed pavements, including staking if needed. No standing water upon completion.
- 5.4. Provide load tickets for all material used.
- 5.5. Daily and completion cleanup.
- 5.6. Replacing temporarily removed items.
- 5.7. Restore any damaged items.
- 5.8. Timely completion of punchlist items.
- 5.9. Jobsite safety, barricading, traffic control and maintenance of traffic control are the responsibility of the Contractor 24 hours per day, 7 days per week.
Responsible contact person:
Special on-site requirements:
- 5.10. Surface and Underground Utilities:
 - 5.10.1. Protection and proper adjustment of utility structures.
 - 5.10.2. Location and protection of underground utilities. All utilities are to be hotlined prior to the start of any work.
 - 5.10.3. Client has provided plans or locations of known private underground utilities, including parking lot lighting, irrigation, communications, etc., within work zone areas. ☐ Yes ☐ No
 - 5.10.4. Client preferred utility vendors:
Electrical Contractor:
Irrigation Contractor:
 - 5.10.5. Irrigation adjacent to work zones to be turned off 24 hours prior to work commencing.
 - 5.10.6. Utility lines that are damaged and found to be less than 18" below grade (out of compliance), will be the Client's responsibility to cover the costs of repair, provided that lines were located and the Contractor was diligent to protect the lines when working within these areas. All damage occurring otherwise is at the Contractor's expense.
- 5.11. Erosion and Sediment Control: Contractor is responsible for following all city, state and federal regulations. Best Management Practices (BMP) shall be placed prior to the start of construction in affected areas. Maintenance of the BMP is the Contractor's responsibility.
 - 5.11.1. Sawcutting and vacuuming of slurry.
 - 5.11.2. Truck cleanout – on site: ☐ Yes ☐ No Where:

- 5.12. Contractor to provide own water truck: ☐ Yes ☐ No Where:
If no, water will be supplied using municipal meter: ☐ Yes ☐ No
If no, Contractor has permission to use Client's water supply: ☐ Yes ☐ No
- 5.13. Quality Control (Asphalt): Testing on asphalt materials during placement by the Contractor shall include:
- 5.13.1. Nuclear density readings during asphalt base and surface placement. Note: non-nuclear testing is not allowed. Reference example report attached for minimum requirements.
Benchmark to forward to contractor as an Excel file: ☐ Yes ☐ No
- 5.13.2. Plant testing, including Gmm asphalt producer verification within four (4) hours of production startup.
- 5.13.3. Material split samples provided to Consultant for Quality Assurance verification tests.
Plant QC contact of subcontracted firm name:
Send QC results to:
- 5.14. Quality Control (Concrete): Testing on concrete materials during placement by the Contractor shall include air, slump and compressive strength tests.
Plant QC contact of subcontracted firm name:
Send QC results to:
- 5.15. Pavement Marking: The Contractor shall be responsible for all layouts required for re-establishing the required pavement markings. All striping and signage shall be ADA compliant.
- 5.15.1. Has striping contractor been on site to verify striping layout? ☐ Yes ☐ No
- 5.15.2. Pavement marking subcontractor, if applicable:
- 5.16. Warranty: One year, unless otherwise specified. Failure to meet the requirements, as outlined in the project specifications, may result in one of the following operations, as determined at the discretion of the Owner and Consultant.
- 5.16.1. Removal and replacement of noncompliant material(s) at the Contractor's expense.
- 5.16.2. Price adjustment for noncompliant material(s) left in place.
- 5.16.3. Issuance of an extended warranty for noncompliant material(s) left in place. By way of contract documents, warranty is established as a standard one year term from date of project completion, unless circumstances require otherwise.
6. Project Schedule and Phasing:
- 6.1. Start date of:
- 6.2. Total: [days / weeks]
- 6.3. Completion (barring weather) on or before:
- 6.4. No work shall be performed during the following:
- 6.5. Work Hours: ☐ a.m. ☐ p.m. to ☐ a.m. ☐ p.m.
- 6.5.1. Friday completion by: ☐ a.m. ☐ p.m.
- 6.5.2. Saturday work allowed? ☐ Yes ☐ No
- 6.5.3. Sunday work allowed? ☐ Yes ☐ No
- 6.5.4. All work activities must take place during times that comply with local municipal noise ordinances.
- 6.6. Project Phasing (if applicable):
- 6.7. Staging areas for equipment and vehicles will be within the project limits that have been barricaded or at Client approved location(s). Where?
- 6.8. Portable restroom facilities are required: ☐ Yes ☐ No
If different than staging area, where?

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7. Action Items (other than listed above) and other Project Notes:

- 7.1.
- 7.2.
- 7.3.
- 7.4.
- 7.5.
- 7.6.
- 7.7.
- 7.8.
- 7.9.
- 7.10.

The project team is reminded of the importance of timely communication and efficient use of the time available to complete this project.

After reviewing the minutes, please inform Benchmark, Inc. of any clarifications and or additions that are required.

Document37/21/2020 1:45 PM

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Nuclear Density Testing Report (ASTM D 2950) Rev. 5/11/2020

Sheet: ___ of ___

TESTING COMPANY NAME: _____

CITY: _____

State: _____

Date: _____

Technician: _____

Meter I.D.: _____

Project Name: _____

Meter Model: _____

Daily Std. Count: _____

Project No.: _____

Weather: _____

Once test Gmm is reported, all density values should be re-calculated using test Gmm

Contractor:	Mix Type:	(A) Gmm Mix Design:	(B) Gmm Reported (\pm 0.01 of 'A'):	(C) = $B \times 62.4 \text{ lb/ft}^3$ Max. Lab Density (lb/ft ³)	Minimum Compaction Target (percent of Max. Lab Density):
Asphalt Supplier/Producer:	<input type="checkbox"/> Binder				<input type="checkbox"/> 91.5%
MIX I.D.:	<input type="checkbox"/> Intermediate				<input type="checkbox"/> 92.0%
	<input type="checkbox"/> Surface				<input type="checkbox"/> 93.0%

Test # (up to 750 tons) **after 750 tons, 1 test per 75 tons on new sheet**	Test label diagrammed if different than test # at left.	In-Place Field Density Acceptance Test Results Location (reference point(s), station(s), offset(s) etc)	(D) Wet Density (lb/ft ³)	(C) Max. Lab Density (lb/ft ³)	% Compaction (D/B * 100)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
** All density values should be reported to nearest tenth (i.e. 92.7%) **				Average:	

Comments: _____

Sketch of test locations with test # clearly labeled (if plan sheet and/or 11x17 plan copies are not used to clearly diagram test locations) IDENTIFY PAVING AREA

Direction of NORTH



Technician Signature: _____

Date: _____

RENO SPARKS CONVENTION CENTER
2023 PAVEMENT REHABILITATION - PROPOSAL FORM

PROPOSAL FORM

PF-1 of PF-3

PER RENO SPARKS BIDDING INSTRUCTIONS

#	CODE	ITEM DESCRIPTION	EST QNTY	U/M	BID UNIT COST	BID SUBTOTAL
---	------	------------------	----------	-----	---------------	--------------

BASE BID ITEMS:

Lot D and Lot E

DO NOT ROUND VALUES

1	0.01	General Conditions	1	LS	\$ _____	\$ _____
2	0.01	Utility Repair Allowance	1	LS	\$ 1,500.00	\$ 1,500.00
3	0.11	Traffic Control Installation	1	LS	\$ _____	\$ _____
4	0.21	Erosion/Sediment Control Installation	1	LS	\$ _____	\$ _____
5	0.70	Stone Undercut (1-1/4")	50	TON	\$ _____	\$ _____
6	1.11	Pavement Marking Application	1	LS	\$ _____	\$ _____
7	2.10b	Asphalt Surface Treatment (Sealcoat)	24,750	SY	\$ _____	\$ _____
8	2.32	Asphalt Crackseal Application	5,000	LF	\$ _____	\$ _____
9	2.35	Asphalt Crack Repair - 2' Wide	5,300	LF	\$ _____	\$ _____
10	2.41	Asphalt Pavement Restoration - 4" Depth	560	SY	\$ _____	\$ _____
11	2.61	Reinforced Concrete Pavement Restoration - 5" Depth	10	SY	\$ _____	\$ _____
12	2.61	Reinforced Concrete Pavement Restoration - 8" Depth	80	SY	\$ _____	\$ _____
13	5.11b	Utility Structure Adjustment (Raise)	1	EA	\$ _____	\$ _____
14	5.20c	Utility Structure Repair (Frame & Cover Replacement)	1	EA	\$ _____	\$ _____
15	9.10	Accessible Sign Installation (Sign and Post)	1	EA	\$ _____	\$ _____
16	9.10	Accessible Sign Installation (Sign and Bollard)	2	EA	\$ _____	\$ _____
17		Permit Fee	1	LS	\$ _____	\$ _____

BASE BID TOTAL: \$ _____

ESTIMATED DAYS TO COMPLETE: _____ DAYS

ALTERNATE BID NO. 1 ITEMS:

Lot B

DO NOT ROUND VALUES

1	0.01	General Conditions	1	LS	\$ _____	\$ _____
2	0.01	Utility Repair Allowance	1	LS	\$ 1,500.00	\$ 1,500.00
3	0.11	Traffic Control Installation	1	LS	\$ _____	\$ _____
4	0.21f	Erosion/Sediment Control Installation	50	TON	\$ _____	\$ _____
5	0.70	Stone Undercut (1-1/4")	1	LS	\$ _____	\$ _____
6	1.11	Pavement Marking Application	1	LS	\$ _____	\$ _____
7	2.10b	Asphalt Surface Treatment (Sealcoat)	18,500	SY	\$ _____	\$ _____
8	2.32	Asphalt Crackseal Application	2,000	LF	\$ _____	\$ _____
9	2.35	Asphalt Crack Repair - 2' Wide	2,900	LF	\$ _____	\$ _____
10	2.41	Asphalt Pavement Restoration - 4" Depth	600	SY	\$ _____	\$ _____
11	5.11b	Utility Structure Adjustment (Raise)	1	EA	\$ _____	\$ _____
12	3.50e	Concrete Valley Gutter Restoration - 36" Wide	15	LF	\$ _____	\$ _____
13		Permit Fee	1	LS	\$ _____	\$ _____

ALTERNATE BID NO. 1 TOTAL: \$ _____

ESTIMATED DAYS TO COMPLETE: _____ DAYS

RENO SPARKS CONVENTION CENTER
2023 PAVEMENT REHABILITATION - PROPOSAL FORM

PROPOSAL FORM

PF-2 of PF-3

PER RENO SPARKS BIDDING INSTRUCTIONS

#	CODE	ITEM DESCRIPTION	EST QNTY	U/M	BID UNIT COST	BID SUBTOTAL
---	------	------------------	----------	-----	---------------	--------------

ALTERNATE BID NO. 2 ITEMS:

Lot A / Lot F

DO NOT ROUND VALUES

1	0.01	General Conditions	1	LS	\$ _____	\$ _____
2	0.01	Utility Repair Allowance	1	LS	\$ 1,500.00	\$ 1,500.00
3	0.11	Traffic Control Installation	1	LS	\$ _____	\$ _____
4	0.21	Erosion/Sediment Control Installation	1	LS	\$ _____	\$ _____
5	0.70	Stone Undercut (1-1/4")	50	TON	\$ _____	\$ _____
6	1.11	Pavement Marking Application	1	LS	\$ _____	\$ _____
7	2.10b	Asphalt Surface Treatment (Sealcoat)	11,000	SY	\$ _____	\$ _____
6	2.32	Asphalt Crackseal Application	2,000	LF	\$ _____	\$ _____
7	2.35	Asphalt Crack Repair - 2' Wide	1,800	LF	\$ _____	\$ _____
8	2.41	Asphalt Pavement Restoration - 4" Depth	250	SY	\$ _____	\$ _____
9		Permit Fee	1	LS	\$ _____	\$ _____

ALTERNATE BID NO. 2 TOTAL: \$ _____

ESTIMATED DAYS TO COMPLETE: _____ **DAYS**

RENO SPARKS CONVENTION CENTER
2023 PAVEMENT REHABILITATION - PROPOSAL FORM

PROPOSAL FORM

PF-3 of PF-3

PER RENO SPARKS BIDDING INSTRUCTIONS

#	CODE	ITEM DESCRIPTION	EST QNTY	U/M	BID UNIT COST	BID SUBTOTAL
---	------	------------------	----------	-----	---------------	--------------

SUBCONTRACTOR LISTING:

	SUBCONTRACTOR:	WORK DESCRIPTION:
1)	_____	_____
2)	_____	_____
3)	_____	_____

QUALITY CONTROL MANAGER:

NAME: _____

PHONE: _____ EMAIL: _____

MINORITY PARTICIPATION

M/W BE (Purchases/Subcontracts)	Minority Participation (headcount)
_____ %	_____ %

SCHEDULE (CHECK APPROPRIATE SECTION BELOW):

() YES BIDDER STATES THAT TO THE BEST OF THEIR ABILITY, THE WORK WILL BE COMPLETED BY _____.

() NO BIDDER PROPOSES THE FOLLOWING WORK SCHEDULE:
START WORK _____ COMPLETED BY _____.

ADDENDUM(S) RECEIVED:

() YES () NO () NA List _____, _____, _____, _____, _____

THIS CONTRACTOR AGREES TO PERFORM ALL WORK AS SPECIFIED IN THESE DOCUMENTS DATED JUNE 26, 2023.

SUBMITTED BY:

COMPANY: _____

SIGNATURE: _____ TITLE: _____

PRINT: _____ DATE: _____

RENO SPARKS CONVENTION CENTER 2023 PAVEMENT REHABILITATION - PROJECT/PROGRESS SCHEDULE

SHEET: OF

[illegible]

BASE BID ITEMS:

Lot D and Lot E

1	0.01	General Conditions	1	LS	_____
2	0.01	Utility Repair Allowance	1	LS	_____
3	0.11	Traffic Control Installation	1	LS	_____
4	0.21	Erosion/Sediment Control Installation	1	LS	_____
5	0.70	Stone Undercut (1-1/4")	50	TON	_____
6	1.11	Pavement Marking Application	1	LS	_____
7	2.10b	Asphalt Surface Treatment (Sealcoat)	24,750	SY	_____
8	2.32	Asphalt Crackseal Application	5,000	LF	_____
9	2.35	Asphalt Crack Repair - 2' Wide	5,300	LF	_____
10	2.41	Asphalt Pavement Restoration - 4" Depth	560	SY	_____
11	2.61	Reinforced Concrete Pavement Restoration - 5" Depth	10	SY	_____
12	2.61	Reinforced Concrete Pavement Restoration - 8" Depth	80	SY	_____
13	5.11b	Utility Structure Adjustment (Raise)	1	EA	_____
14	5.20c	Utility Structure Repair (Frame & Cover Replacement)	1	EA	_____
15	9.10	Accessible Sign Installation (Sign and Post)	1	EA	_____
16	9.10	Accessible Sign Installation (Sign and Bollard)	2	EA	_____

A full-page sheet of white graph paper with a light gray grid. The grid consists of small squares, approximately 10 units wide by 10 units high. There are no margins or additional markings on the page.

BASE BID ITEMS:

Lot B

1	0.01	General Conditions	1	LS	_____
2	0.01	Utility Repair Allowance	1	LS	_____
3	0.11	Traffic Control Installation	1	LS	_____
4	0.21f	Erosion/Sediment Control Installation	50	TON	_____
5	0.70	Stone Undercut (1-1/4")	1	LS	_____
6	1.11	Pavement Marking Application	1	LS	_____
7	2.10b	Asphalt Surface Treatment (Sealcoat)	18,500	SY	_____
8	2.32	Asphalt Crackseal Application	2,000	LF	_____
9	2.35	Asphalt Crack Repair - 2' Wide	2,900	LF	_____
10	2.41	Asphalt Pavement Restoration - 4" Depth	600	SY	_____
11	5.11b	Utility Structure Adjustment (Raise)	1	EA	_____
12	3.50e	Concrete Valley Gutter Restoration - 36" Wide	15	LF	_____

A large grid of graph paper with 20 columns and 20 rows. The grid is divided into four equal sections by three vertical lines, each section being 5 columns wide. The grid is used for drawing and graphing.

RENO SPARKS CONVENTION CENTER
2023 PAVEMENT REHABILITATION - PROJECT/PROGRESS SCHEDULE

CONTRACTOR: _____

SUBMITTED BY: _____

DATE: _____

SHEET: OF

NO. Code ITEM DESCRIPTION			EST.	NUMBER	MONTH: _____ To _____
			QNTY	U/M	OF DAYS
					<div>Wk 1: _____ Wk 2: _____ Wk 3: _____ Wk 4: _____ Wk 5: _____</div> <div> <div>S M T W TH F SA</div> <div>S M T W TH F SA</div> <div>S M T W TH F SA</div> <div>S M T W TH F SA</div> <div>S M T W TH F SA</div> </div>

BASE BID ITEMS:

Lot A / Lot F

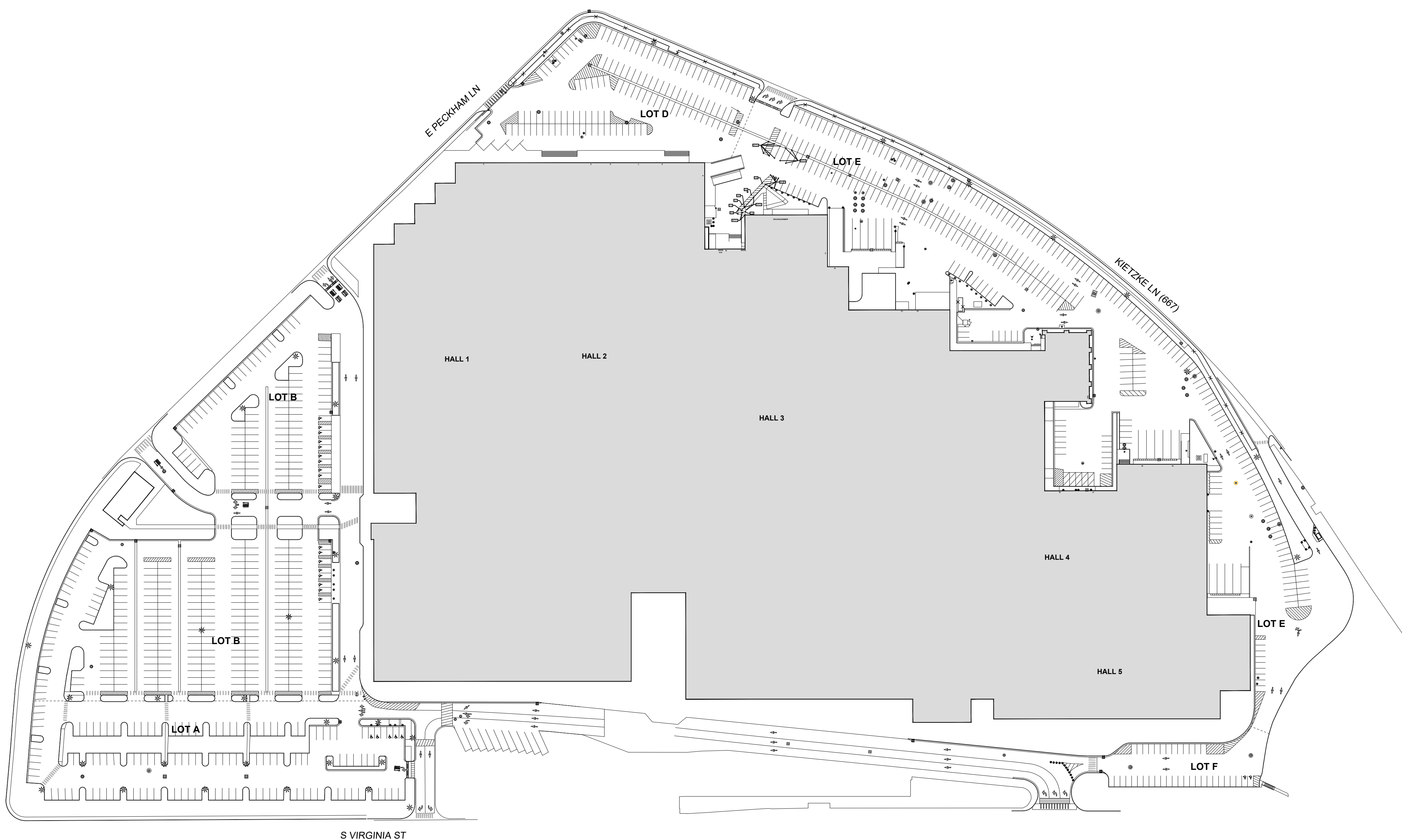
1	0.01	General Conditions	1	LS	_____
2	0.01	Utility Repair Allowance	1	LS	_____
3	0.11	Traffic Control Installation	1	LS	_____
4	0.21	Erosion/Sediment Control Installation	1	LS	_____
5	0.70	Stone Undercut (1-1/4")	50	TON	_____
6	1.11	Pavement Marking Application	1	LS	_____
7	2.10b	Asphalt Surface Treatment (Sealcoat)	11,000	SY	_____
6	2.32	Asphalt Crackseal Application	2,000	LF	_____
7	2.35	Asphalt Crack Repair - 2' Wide	1,800	LF	_____
8	2.41	Asphalt Pavement Restoration - 4" Depth	250	SY	_____

A large grid of graph paper with 20 columns and 15 rows. The grid is divided into five equal sections of four columns each by thick vertical lines. The grid is intended for students to draw a picture of a place they like to visit.

PROGRESS SCHEDULES ARE REQUIRED PRIOR TO AWARD OF CONTRACT

RENO-SPARKS CONVENTION CENTER & VISITORS AUTHORITY

2023 PAVEMENT REHABILITATION PROJECT
RENO-SPARKS CONVENTION CENTER
4590 SOUTH VIRGINIA STREET
RENO, NV 89502




INDEX OF SHEETS	
NO.	DESCRIPTION
T-1	TITLE SHEET
P-1	2023 PAVEMENT REHABILITATION PLAN
P-2	ADA REVIEW & PHASING PLAN
D-1	DETAILS
D-2	DETAILS

DRAWING RECORD			
REV. NO.	DESCRIPTION	DATE	BY
RELEASED		06/30/2023	PRD

GENERAL DRAWING NOTE:
THIS DRAWING IS INTENDED FOR ORIENTATION, APPROXIMATE CONFIGURATION AND LOCATION OF DETAILS. CONTRACTOR SHALL FIELD VERIFY ALL ITEMS FOR BIDDING AND INSTALLATION PURPOSES.

DATE: 06/30/2023	DESIGNED BY: P. DEVOISE
DRAWN BY: R. JAMESMAN	CHECKED BY: J. DEVOISE
PROJECT NO: 23RENREN0002B01.dwg	PROJECT NAME: 23RENREN0002B01.dwg



CLIENT: CEDAR RAPIDS, IA • WALKESHA, WI
Phone: 319.393.9100
www.benchmark-inc.com

PROJECT: RENO-SPARKS CONVENTION CENTER & VISITORS AUTHORITY

PROJECT: RENO-SPARKS CONVENTION CENTER
4590 SOUTH VIRGINIA STREET
RENO, NV 89502

DRAWING TITLE: TITLE SHEET

BENCHMARK PROJECT NO.: 23RENREN0002B

SHEET NUMBER: T-1

REHABILITATION LEGEND

BASE BID - LOT D / LOT E

2.10b ASPHALT SURFACE TREATMENT (SEALCOAT)

2.32 ASPHALT CRACKSEAL APPLICATION

PAVEMENT RESTORATION (REFERENCE AND LEGEND)

A = 2.41 ASPHALT - 4" DEPTH

C = 2.61 REINFORCED CONCRETE - 5" DEPTH

D = 2.61 REINFORCED CONCRETE - 8" DEPTH

PAVEMENT RESTORATION LEGEND

PATCH NO.	DEPTH (IN.)	WIDTH (FT.)	LENGTH (FT.)
A01	4	8	25
A02	4	6	15
A03	4	7	65
A04	4	10	17
A05	4	6	9
A06	4	25	35
A07	4	20	20
A08	4	6	15
A09	4	9	18
A10	4	9	18
A11	4	6	12
A12	4	20	20
A13	4	6	60
A14	4	10	50
A15	4	15	30
A16	4	9	20
C01	5	5	10
D01	8	25	25

2.35 ASPHALT CRACK REPAIR - 2" WIDE

5.11b UTILITY STRUCTURE ADJUSTMENT (RAISE)

5.20c UTILITY STRUCTURE REPAIR (FRAME & COVER REPLACEMENT)

9.10b ACCESSIBLE SIGN INSTALLATION (SIGN & POST)

9.10c ACCESSIBLE SIGN INSTALLATION (SIGN & BOLLARD)

- GENERAL CONSTRUCTION NOTES
- ALL WORK DIMENSIONS, QUANTITIES & LOCATIONS ARE APPROXIMATE. LIMITS OF WORK ITEMS WILL BE MARKED PRIOR TO THE START OF CONSTRUCTION.
 - PROOF ROLLING AND STONE UNDERCUT (AS NECESSARY) ARE TO TAKE PLACE PRIOR TO REPLACEMENT OF MATERIALS.
 - CONTRACTOR IS RESPONSIBLE FOR THE LOCATIONS & PROTECTION OF ALL PUBLIC & PRIVATE UTILITIES. ALL LOCATIONS OF EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT THAT ARE NOT SHOWN.
 - CONTRACTOR SHALL VERIFY ALL EXISTING STRIPING PRIOR TO STARTING WORK. ALL STRIPING IS TO BE REPLACED PER THE EXISTING LAYOUT WHICH MAY VARY FROM THE PLAN. LIMITS OF THE STRIPING WORK SHALL BE THE SAME LIMITS OF THE REHABILITATION WORK.
 - THE CONTRACTOR MAY BE REQUIRED TO PERFORM ADDITIONAL ASPHALT PATCHING AS DETERMINED BY THE CONSULTANT.
 - PAVEMENT MILLING OR SAWCUTTING OPERATION SHALL BE PERFORMED AT ALL PAVEMENT REHABILITATION LIMITS. RESAW ANY LIMITS DAMAGED BY CONSTRUCTION. SAWCUTTING (WET) CLEAN UP IS REQUIRED WITHIN 100' OF PEDESTRIAN ROUTES AND BUILDING ENTRANCES AND SHALL BE COMPLETED IMMEDIATELY UTILIZING A VACUUM SYSTEM.
 - PHASING, JOINT PATTERNS, AND TRAFFIC CONTROL DETAILS ON THIS DRAWING MAY NOT REFLECT APPROVED FIELD ADJUSTMENTS.
 - PANEL WIDTH AND LENGTH MAY NOT EXCEED 15' UNLESS APPROVED BY CONSULTANT. FIELD LAYOUT OF THE JOINT LOCATIONS IS TO BE APPROVED BY THE CONSULTANT PRIOR TO WORK TAKING PLACE.

- AMERICANS WITH DISABILITIES ACT (ADA) NOTES
- ADA REQUIREMENTS ARE TO BE MET ON ALL APPLICABLE REMEDIATION AREAS.
 - SLOPES ARE NOT TO EXCEED 2.0% IN ANY DIRECTION WITHIN AISLES AND PARKING STALLS AND 5% WITH ROUTES.
 - RAMP SLOPES ARE NOT TO EXCEED 8.33% IN THE TRAVEL DIRECTIONS AND 10% SIDE SLOPES.
 - PAVEMENT MARKING AND SIGNAGE IS TO BE IN COMPLIANCE WITH ALL LOCAL REQUIREMENTS.

- GENERAL TRAFFIC CONTROL NOTES
- ALL SIGNS ARE TO BE ORANGE WITH BLACK LETTERS UNLESS OTHERWISE NOTED.
 - SIGNS ARE TO BE PROFESSIONALLY MADE OF HIGH INTENSITY SHEETING AND APPROVED BY THE CONSULTANT PRIOR TO INSTALLATION.
 - CONTRACTOR WILL PROVIDE ADDITIONAL TRAFFIC CONTROL OR MODIFICATIONS BELIEVED NECESSARY IN INTERESTS OF JOB SITE SAFETY AND MAINTAIN ALL TRAFFIC CONTROL ON A 24/7 BASIS.

REHABILITATION LEGEND

ALTERNATE BID NO. 1 - LOT B

2.10b ASPHALT SURFACE TREATMENT (SEALCOAT)

2.32 ASPHALT CRACKSEAL APPLICATION

PAVEMENT RESTORATION (REFERENCE AND LEGEND)

A = 2.41 ASPHALT - 4" DEPTH

PAVEMENT RESTORATION LEGEND

PATCH NO.	DEPTH (IN.)	WIDTH (FT.)	LENGTH (FT.)
A22	4		ATYPICAL
A23	4	9	40
A24	4	8	45
A25	4	8	125
A26	4	8	45
A27	4	5	40
A28	4	6	34
A29	4	6	34
A30	4	5	18
A31	4	4	34
A32	4	18	18
A33	4	6	18
A34	4	8	24
A35	4	9	20
A36	4	9	20
A37	4	9	20
A38	4	8	25
A39	4	10	30

2.35 ASPHALT CRACK REPAIR - 2" WIDE

3.50b CONCRETE VALLEY GUTTER RESTORATION - 36" WIDE

5.11b UTILITY STRUCTURE ADJUSTMENT (RAISE)

ALTERNATE BID NO. 2 - LOT A / LOT F

2.10b ASPHALT SURFACE TREATMENT (SEALCOAT)

2.32 ASPHALT CRACKSEAL APPLICATION

PAVEMENT RESTORATION (REFERENCE AND LEGEND)

A = 2.41 ASPHALT - 4" DEPTH

PAVEMENT RESTORATION LEGEND

PATCH NO.	DEPTH (IN.)	WIDTH (FT.)	LENGTH (FT.)
A17	4	5	40
A18	4	10	12
A19	4	9	15
A20	4	12	110
A21	4	10	25

2.35 ASPHALT CRACK REPAIR - 2" WIDE

DRAWING RECORD

REV. NO.	DESCRIPTION	DATE	BY
RELEASED		06/02/2023	PRD

PROJECT LEGEND

REHABILITATION CODE

KEYED NOTE LOCATION

RESTORATION AREA

EXISTING ELEVATION

PROPOSED ELEVATION

BENCHMARK

BORING LOCATION

SECTION DESIGNATION

REVISION NUMBER

SITE LEGEND

BUILDING

STAIRS/PLATFORM

PAVEMENT EDGE

CURB

CURB AND GUTTER

FENCE

GUARDRAIL

TRENCH DRAIN

CATCHBASIN

MANHOLE

CURB INLET

FIRE HYDRANT

LIGHT SOURCE

SIGN

BOLLARD

WHEELSTOP

SPEED BUMP

TRANSFORMER

UTILITY STRUCTURE

GENERAL DRAWING NOTE:

THIS DRAWING IS INTENDED FOR ORIENTATION, APPROXIMATE CONFIGURATION AND LOCATION OF DETAILS. CONTRACTOR SHALL FIELD VERIFY ALL ITEMS FOR BIDDING AND INSTALLATION PURPOSES.

DATE	06/02/2023
DESIGNED BY	P. DEVOISE
DRAWN BY	R. JAMESMAN
CHECKED BY	M. DAVIS
IN CHARGE	23RENRENO002B01.dwg

Benchmark INC

CEDAR RAPIDS, IA • WALKERSHA, VT

Phone: 319.392.9100

www.benchmark-inc.com

CLIENT

RENO-SPARKS CONVENTION CENTER & VISITORS AUTHORITY

PROJECT

RENO-SPARKS CONVENTION CENTER

4550 SOUTH VIRGINIA STREET

RENO, NV 89502

BENCHMARK PROJECT NO.

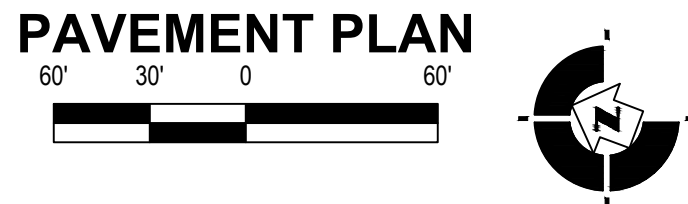
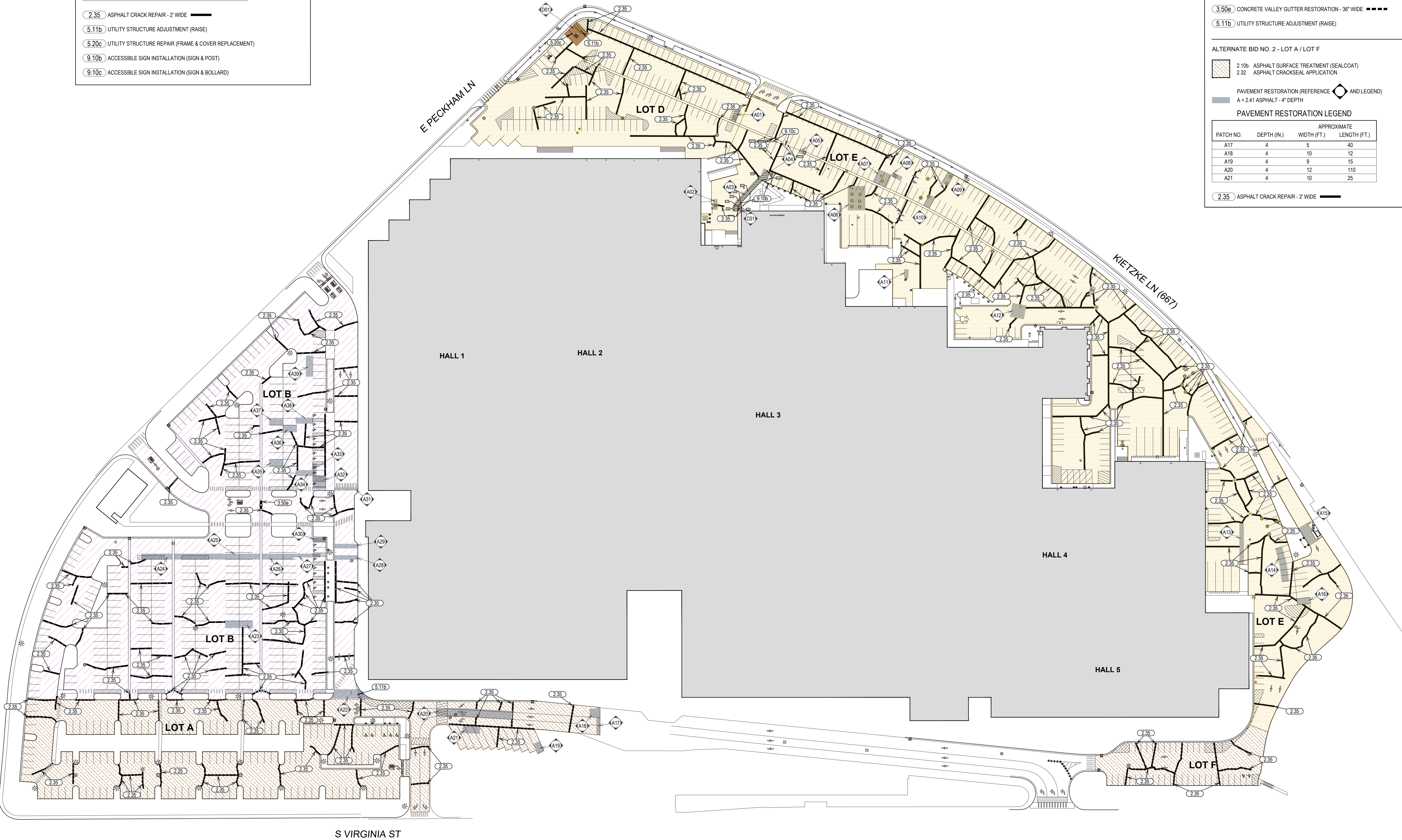
23RENRENO002B

SHEET NUMBER

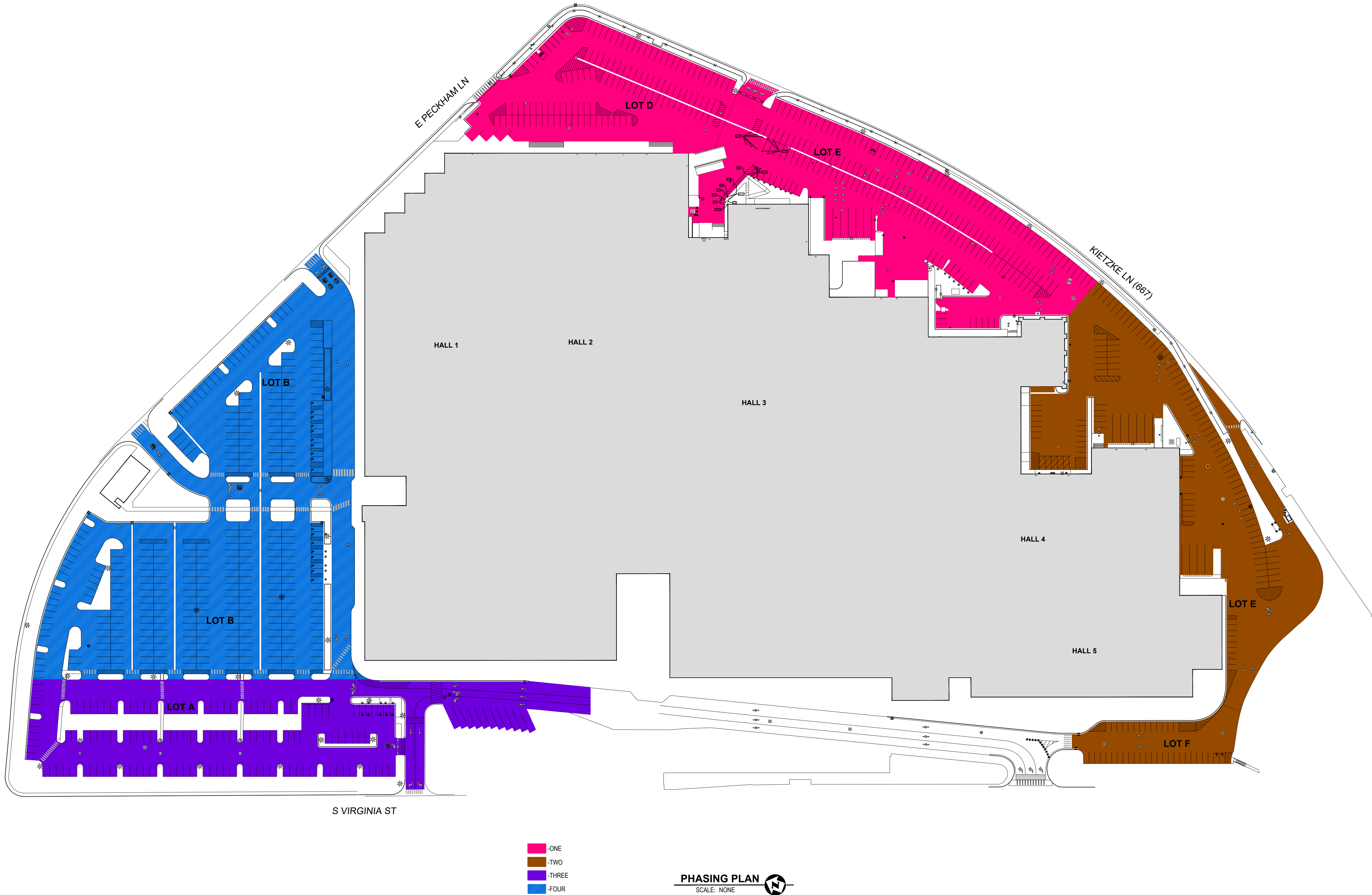
P-1

DRAWING TITLE

2023 PAVEMENT REHABILITATION PLAN

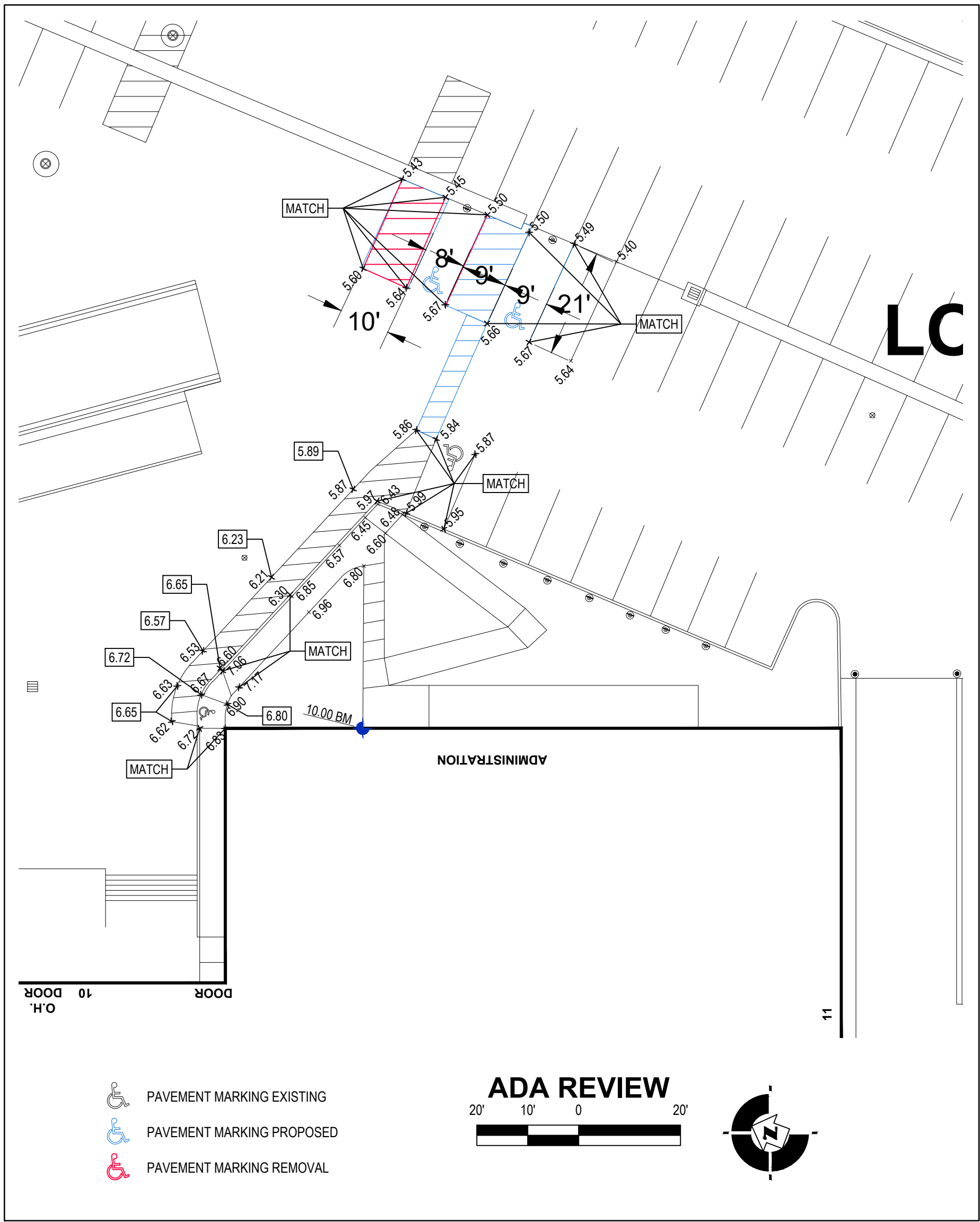


File: J:\RenoSparks Convention Center_Ren\Ren\23\23RENREN0002B\23RENREN0002B01.dwg Time: Jun 13, 2023 - 3:45pm



- ONE
- TWO
- THREE
- FOUR

PHASING PLAN
SCALE: NONE



DRAWING RECORD			
REV. NO.	DESCRIPTION	DATE	BY
RELEASED		06/02/2023	PRD

PROJECT LEGEND	
	REHABILITATION CODE
	KEYED NOTE LOCATION
	RESTORATION AREA
	EXISTING ELEVATION
	PROPOSED ELEVATION
	BENCHMARK
	BORING LOCATION
	SECTION DESIGNATION
	REVISION NUMBER

SITE LEGEND	
	BUILDING
	STAIRS/PLATFORM
	PAVEMENT EDGE
	CURB
	CURB AND GUTTER
	FENCE
	GUARDRAIL
	TRENCH DRAIN
	CATCHBASIN
	MANHOLE
	CURB INLET
	FIRE HYDRANT
	LIGHT SOURCE
	SIGN
	BOLLARD
	WHEELSTOP
	SPEED BUMP
	TRANSFORMER
	UTILITY STRUCTURE

GENERAL DRAWING NOTE:
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DATE	06/02/2023
DESIGNED BY	P. DEVOSE
DRAWN BY	R. THAMERMAN
CHECKED BY	M. DOWD
IN CHARGE	23RENREN0002B01.dwg

CEAR RAPIDS, IA • WALKESHA, WI
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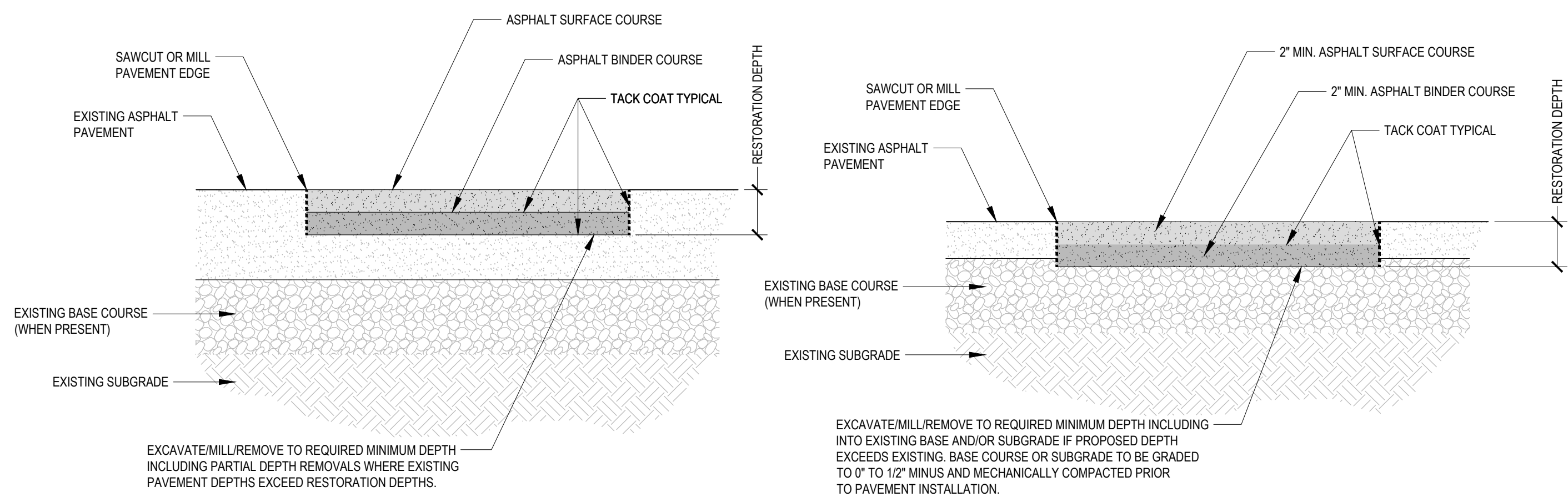
CLIENT: **RENO-SPARKS CONVENTION CENTER & VISITORS AUTHORITY**

PROJECT: **RENO-SPARKS CONVENTION CENTER
4580 SOUTH VIRGINIA STREET
RENO, NV 89502**

BENCHMARK PROJECT NO.: **23RENREN0002B**

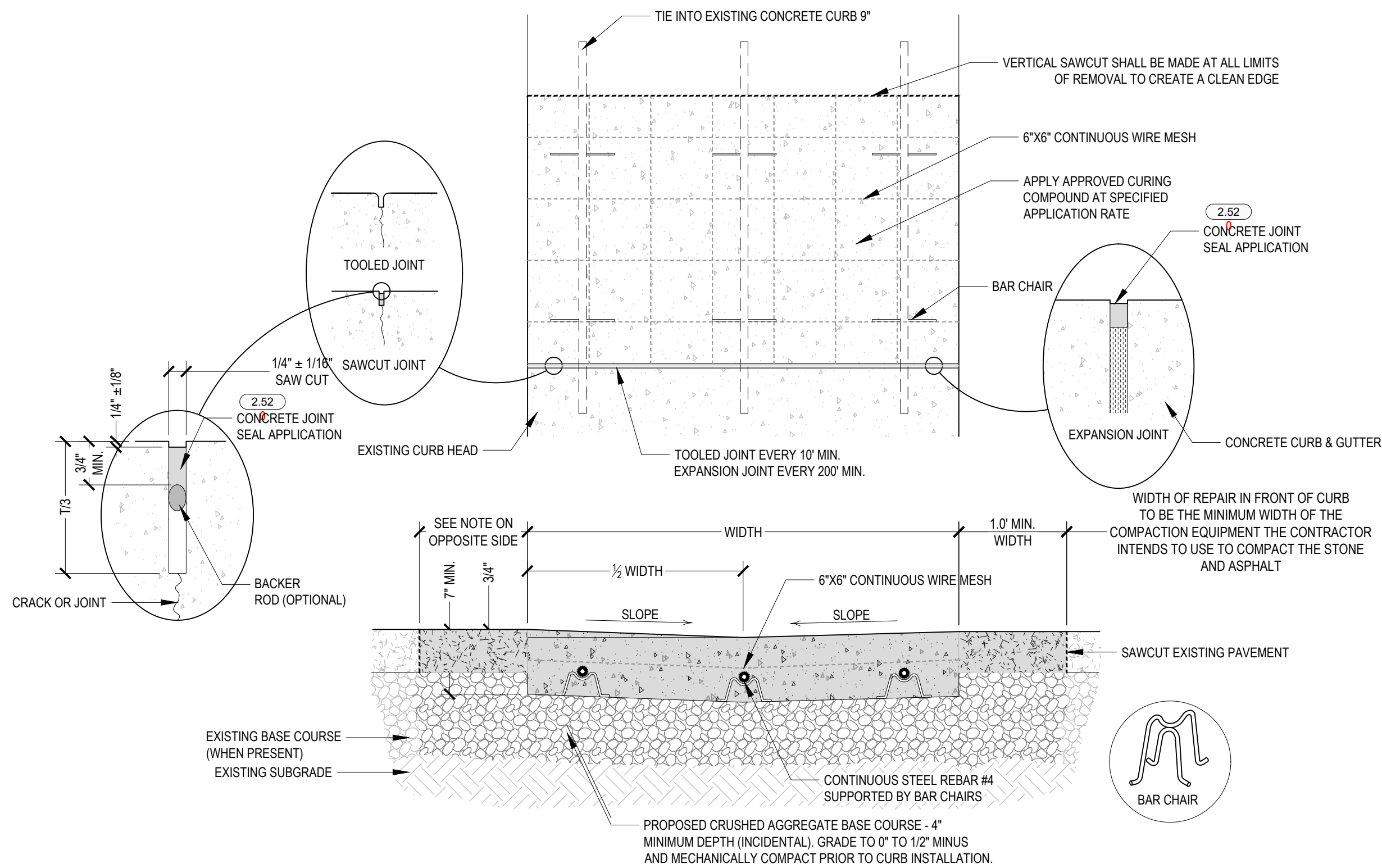
SHEET NUMBER: **P-2**

DRAWING TITLE: **ADA REVIEW & PHASING PLAN**

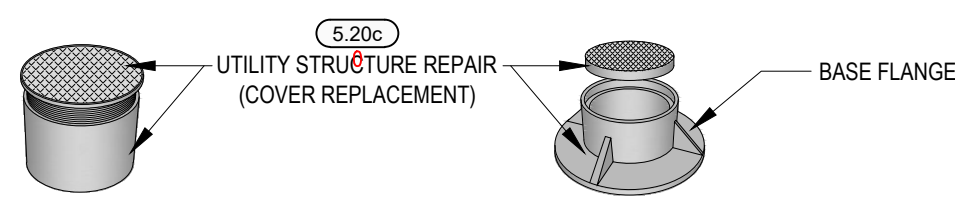


2.41 - ASPHALT PAVEMENT RESTORATION	MINIMUM INSTALLATION DEPTH/THICKNESS CHART			
	2" DEPTH	4" DEPTH	6" DEPTH	8" DEPTH
SURFACE COURSE MINIMUM DEPTH	2"	2"	2"	2"
BINDER (LOWER) COURSE(S) MINIMUM DEPTH	N/A	2"	4"	3" + 3"

2.41 ASPHALT PAVEMENT RESTORATION NO SCALE



3.50e CONCRETE VALLEY GUTTER RESTORATION NO SCALE (EXISTING PAVEMENT)

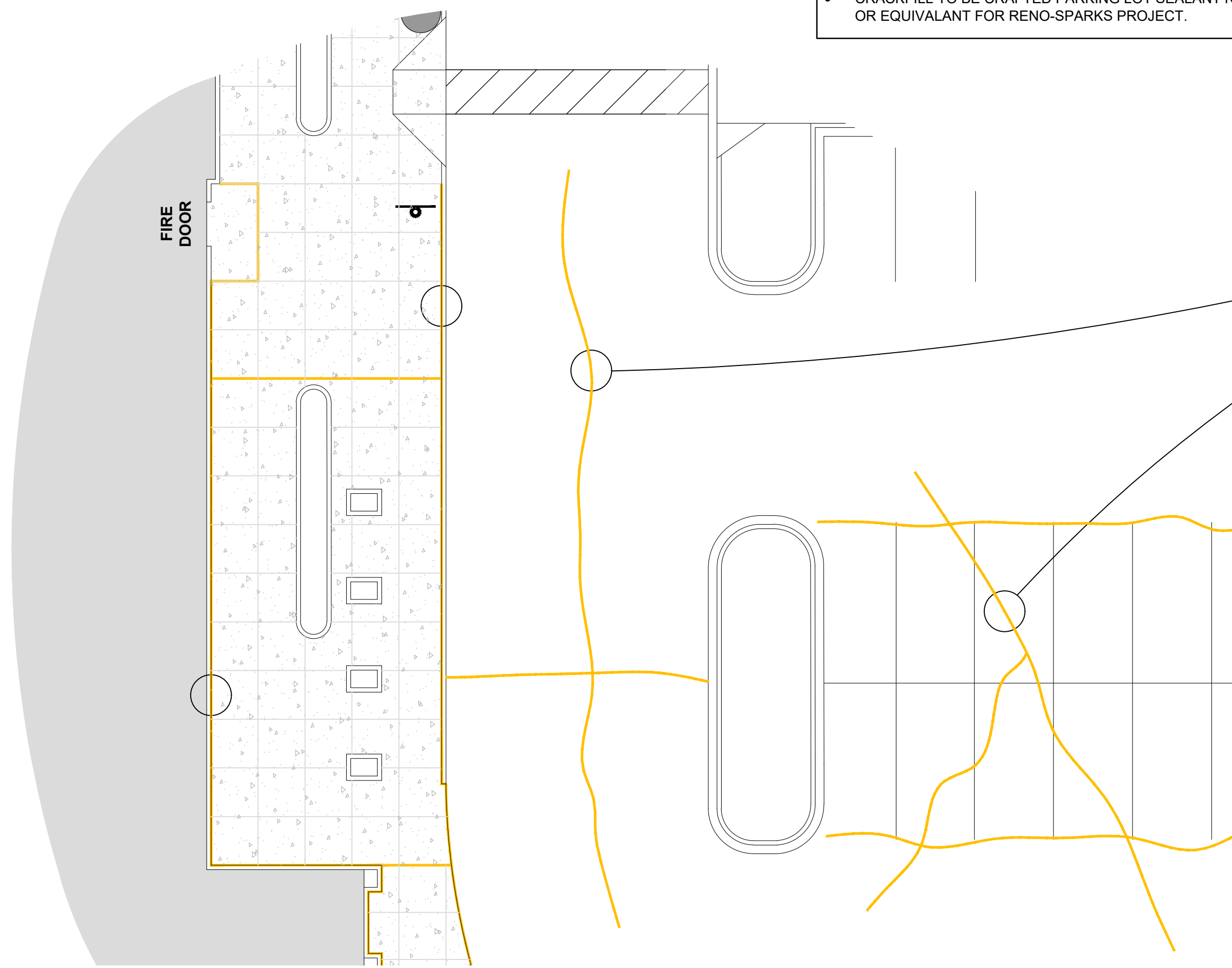


NOTES:
(S.11b) UTILITY STRUCTURE ADJUSTMENT (RAISE)
ADJUST BY 1. REMOVING THE SURROUNDING PAVEMENT AND ROTATING THE UPPER SECTION, OR 2. EXTEND BY USING A THREADED NIPPLE SEGMENT THAT FITS INTO THE LOWER SECTION AND ACCEPTS THE UPPER SECTION.

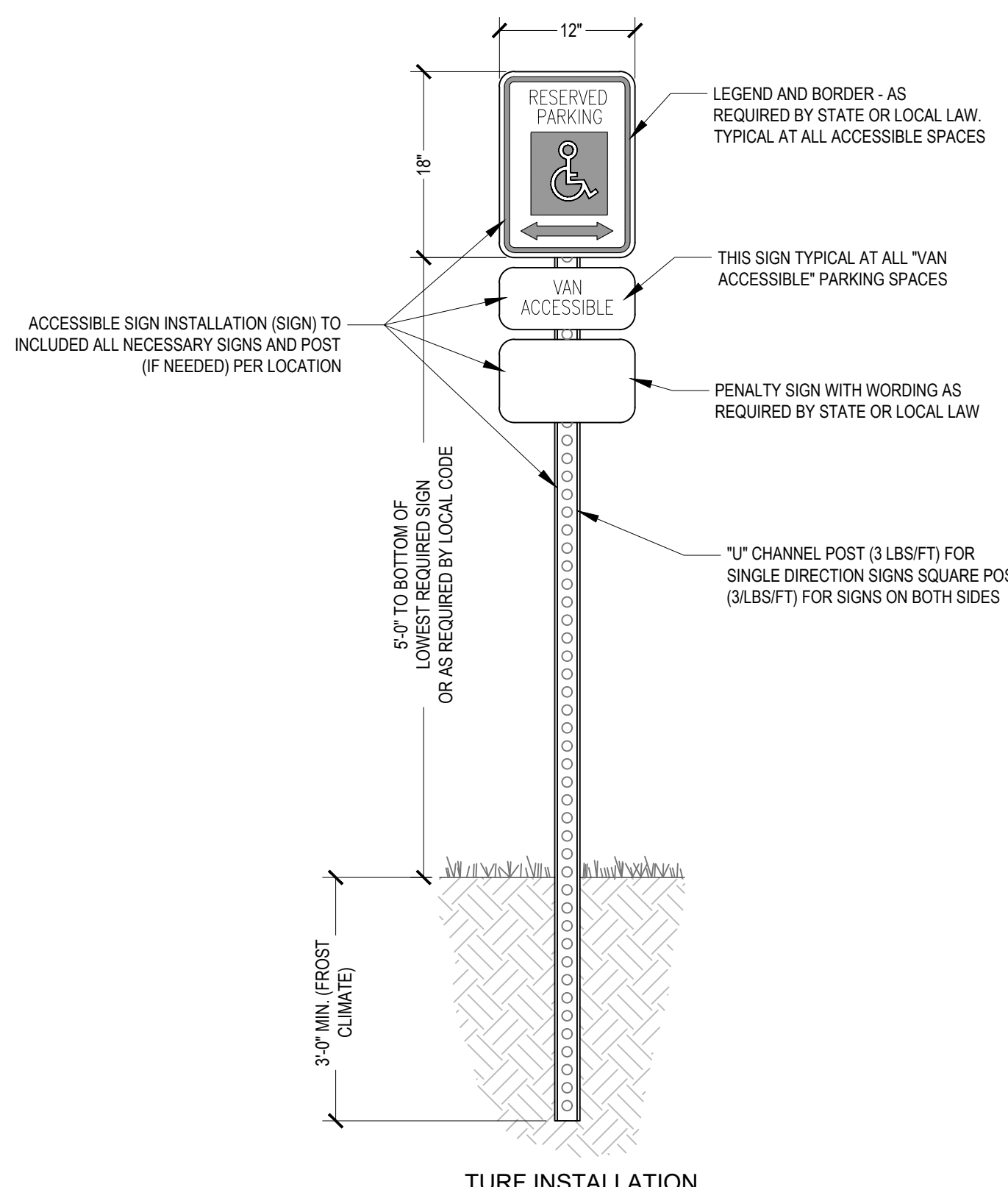
TO ADJUST COVER, EXCAVATE AND RESET BASE FLANGE SO THE TOP IS AT THE DESIRED GRADE.
DETAILS ARE TYPE REFERENCE ONLY AND NOT SPECIFIC PRODUCT REQUIREMENTS.

5.11b UTILITY STRUCTURE ADJUSTMENT (RAISE) NO SCALE

5.20c UTILITY STRUCTURE REPAIR (FRAME & COVER REPLACEMENT) NO SCALE



2.32 ASPHALT CRACKSEAL APPLICATION NO SCALE

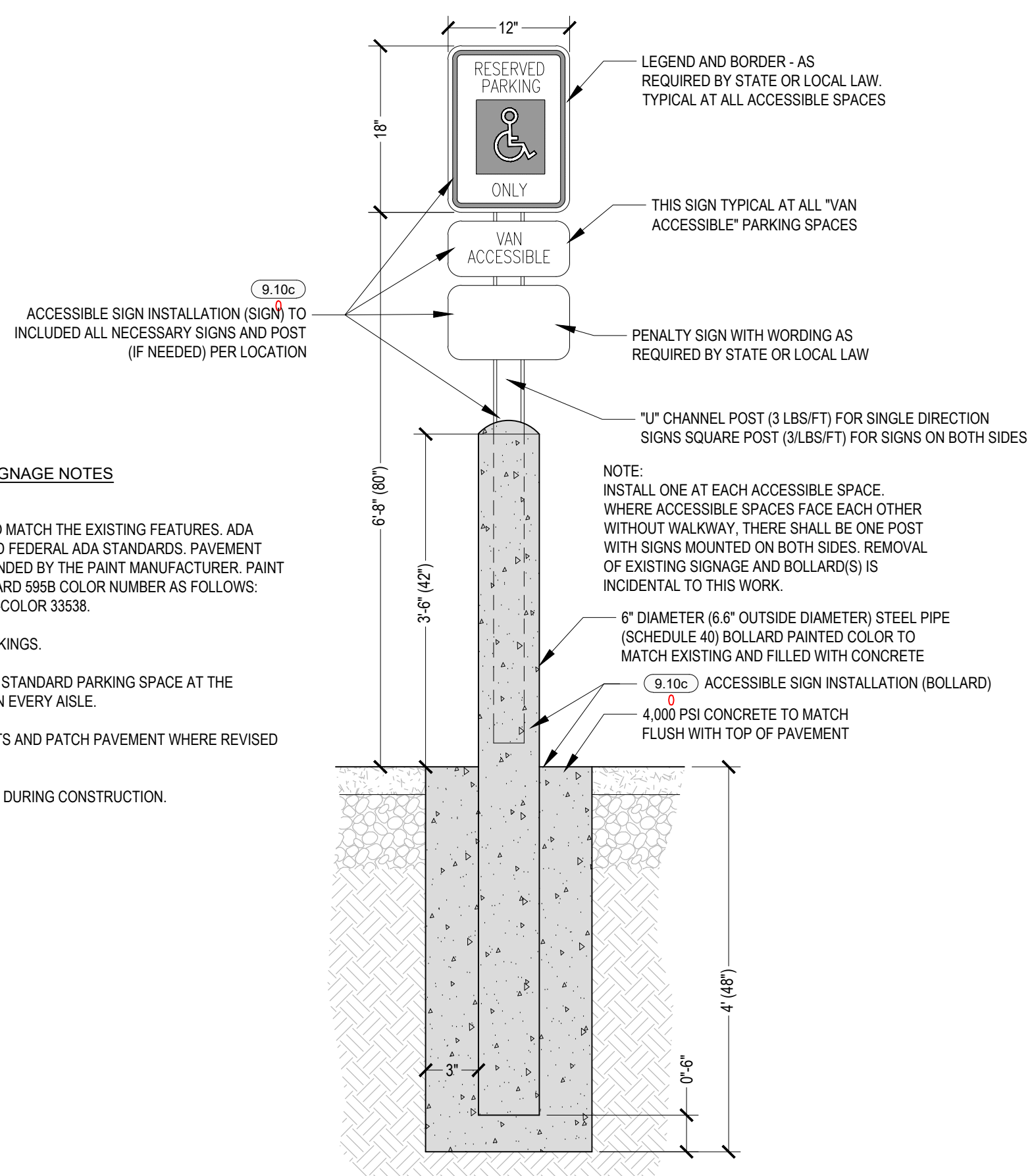


9.10b ACCESSIBLE SIGN & POST NO SCALE

- ### 2.32 ASPHALT CRACKSEAL AND 2.52 CONCRETE JOINT (AND CRACK) SEAL APPLICATION NOTES
- ALL EXISTING SEALANT AND DEBRIS IS TO BE PROPERLY REMOVED THROUGH THE USE OF WIRE BRUSHING, SAWCUTTING, ROUTING, HIGH PRESSURE WATER AND/OR AIR BLASTING TO CREATE A SOLID, CLEAN AND ADEQUATELY WIDE JOINT OR CRACK WITHOUT CAUSING DAMAGE TO THE EXISTING PAVEMENT.
 - PREPARED JOINT OR CRACK IS TO BE COMPLETELY FREE OF DUST, DIRT, LOOSE PAVEMENT AND MOISTURE PRIOR TO SEALANT APPLICATION.
 - SEALANT MATERIAL REQUIRES PRE-APPROVAL PRIOR TO USE. 2.32 MATERIAL SHALL BE A HOT POUR CONFORMING TO ASTM D-6900. 2.52 MATERIAL SHALL BE A SILICONE APPROPRIATE FOR EXTERIOR TRAFFIC USE.
 - HOT POUR USE IS ACCEPTABLE IN CONCRETE PAVEMENT VEHICLE TRAFFIC AREAS WITH PROPER 1/4" JOINT SEALING TIP ASSEMBLY SUCH AS CRAFCO PART NO. 27146.
 - CONCRETE SPALL REPAIRS WIDER AND/OR DEEPER THAN SEALANTS RECOMMENDED SPAN SHALL UTILIZE A RAPID SET MORTAR OR EQUAL APPROVED PRODUCT.
 - CRACKFILL TO BE CRAFTED PARKING LOT SEALANT NO. 34200 OR 34202 OR EQUIVALENT FOR RENO-SPARKS PROJECT.

ADA PAVEMENT STRIPING AND SIGNAGE NOTES

- CONTRACTOR TO USE APPROPRIATE PAINT COLORS TO MATCH THE EXISTING FEATURES. ADA BARRIER FREE AREAS TO COMPLY WITH ALL LOCAL AND FEDERAL ADA STANDARDS. PAVEMENT MARKINGS SHALL BE A HIGH QUALITY PAINT RECOMMENDED BY THE PAINT MANUFACTURER. PAINT COLORS SHALL CLOSELY MATCH THE FEDERAL STANDARD. 9958 COLOR NUMBER AS FOLLOWS: BLUE-COLOR 15180, WHITE-COLOR 37925, AND YELLOW-COLOR 33333.
- DIMENSIONS SHOWN ARE TO THE CENTERLINE OF MARKINGS.
- THE CONTRACTOR SHALL MAINTAIN A MINIMUM 9' WIDE STANDARD PARKING SPACE AT THE TRANSITION FROM OUTERMOST ADA PARKING SPACE IN EVERY AISLE.
- CONTRACTOR SHALL REMOVE ALL EXISTING SIGN POSTS AND PATCH PAVEMENT WHERE REVISED SIGN LOCATIONS ARE REQUIRED.
- PROVIDE TEMPORARY ADA PARKING SIGNS AS NEEDED DURING CONSTRUCTION.




9.10c ACCESSIBLE SIGN & BOLLARDS NO SCALE

DRAWING RECORD			
REV. NO.	DESCRIPTION	DATE	BY
RELEASED		06/02/2023	PRD

GENERAL DRAWING NOTE:
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DATE: 06/02/2023	PROJECT: 23RENREN002B01.dwg
DRAWN BY: P. DEVOISE	CHECKED BY: R. JAMESMAN
DESIGNED BY: R. JAMESMAN	APPROVED BY: R. JAMESMAN
PROJECT NO: 23RENREN002B01	PROJECT NAME: RENO-SPARKS CONVENTION CENTER & VISITORS AUTHORITY



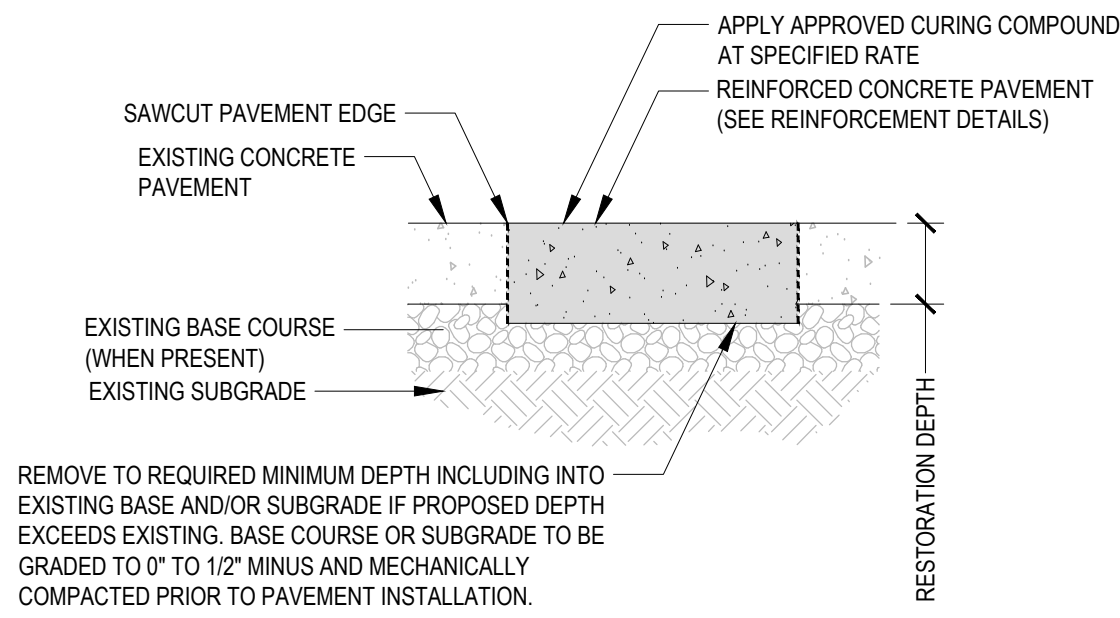
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CLIENT: RENO-SPARKS CONVENTION CENTER & VISITORS AUTHORITY

PROJECT: RENO-SPARKS CONVENTION CENTER
4580 SOUTH VIRGINIA STREET
RENO, NV 89502

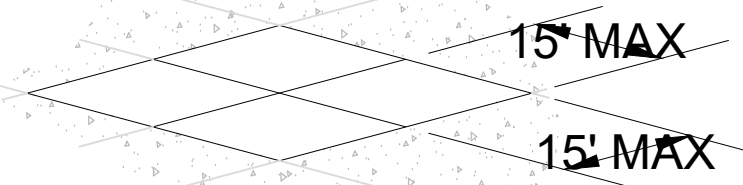
BENCHMARK PROJECT NO.: 23RENREN002B
SHEET NUMBER: D-1

DRAWING TITLE: DETAILS

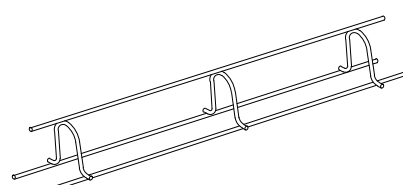


CONCRETE PAVEMENT RESTORATION DETAIL

NOTES:
1. JOINT SPACING TO MATCH EXISTING WITH A MAXIMUM SPACING OF 15'X15'.

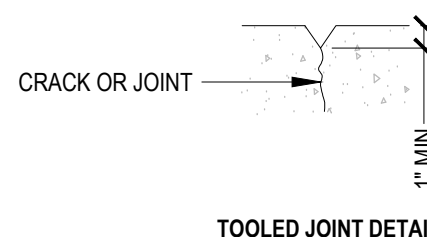


TYPICAL JOINT PATTERN DETAIL



CONTINUOUS HIGH CHAIR DETAIL

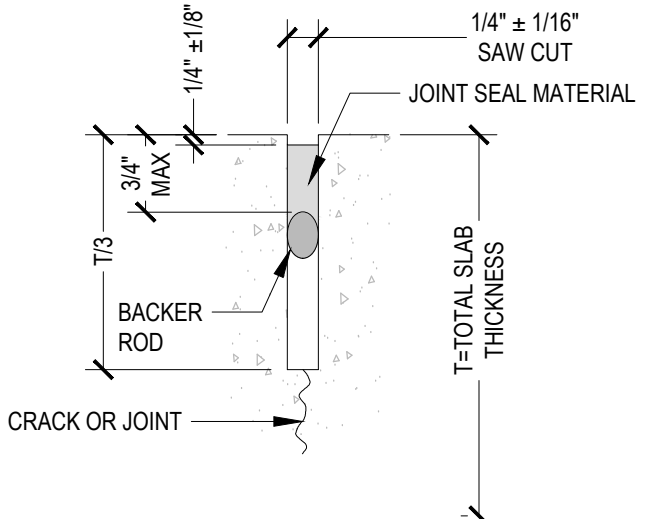
NOTES:
1. TOOLED JOINT MUST BE RUN EARLY IN FINISHING PROCESS AND RERUN LATER TO ENSURE GROOVE BOND HAS NOT OCCURRED.
2. 5" TYP AND 6" MAX JOINT SPACING IN ALL 5" SIDEWALK APPLICATIONS



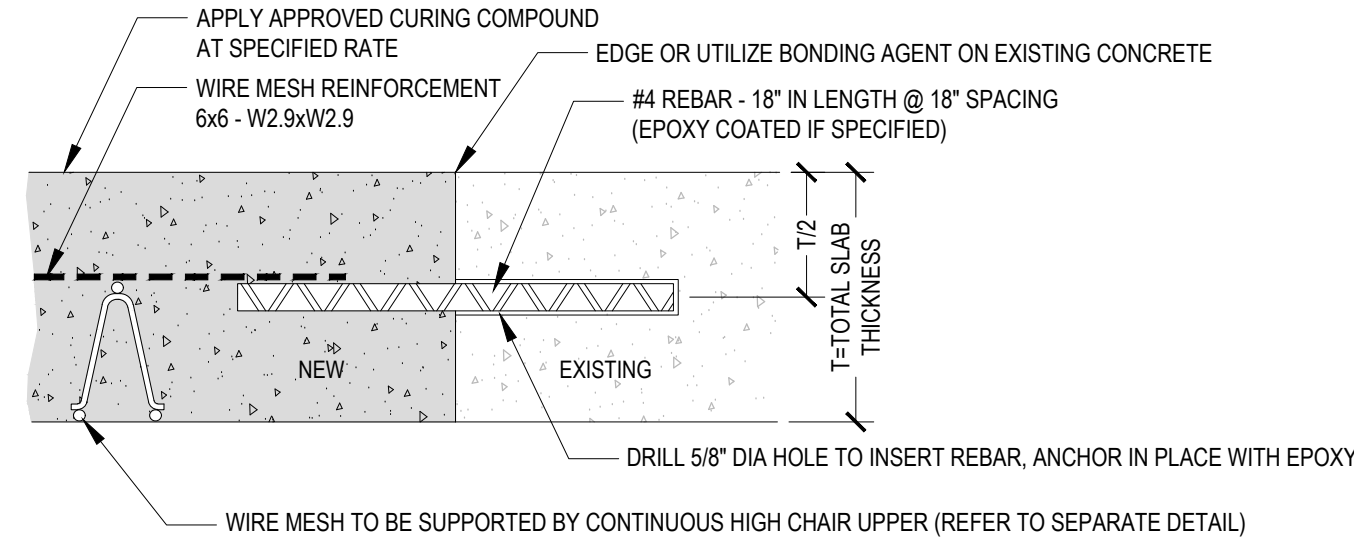
TOOLED JOINT DETAIL

CURB RAMP DETAIL NOTES

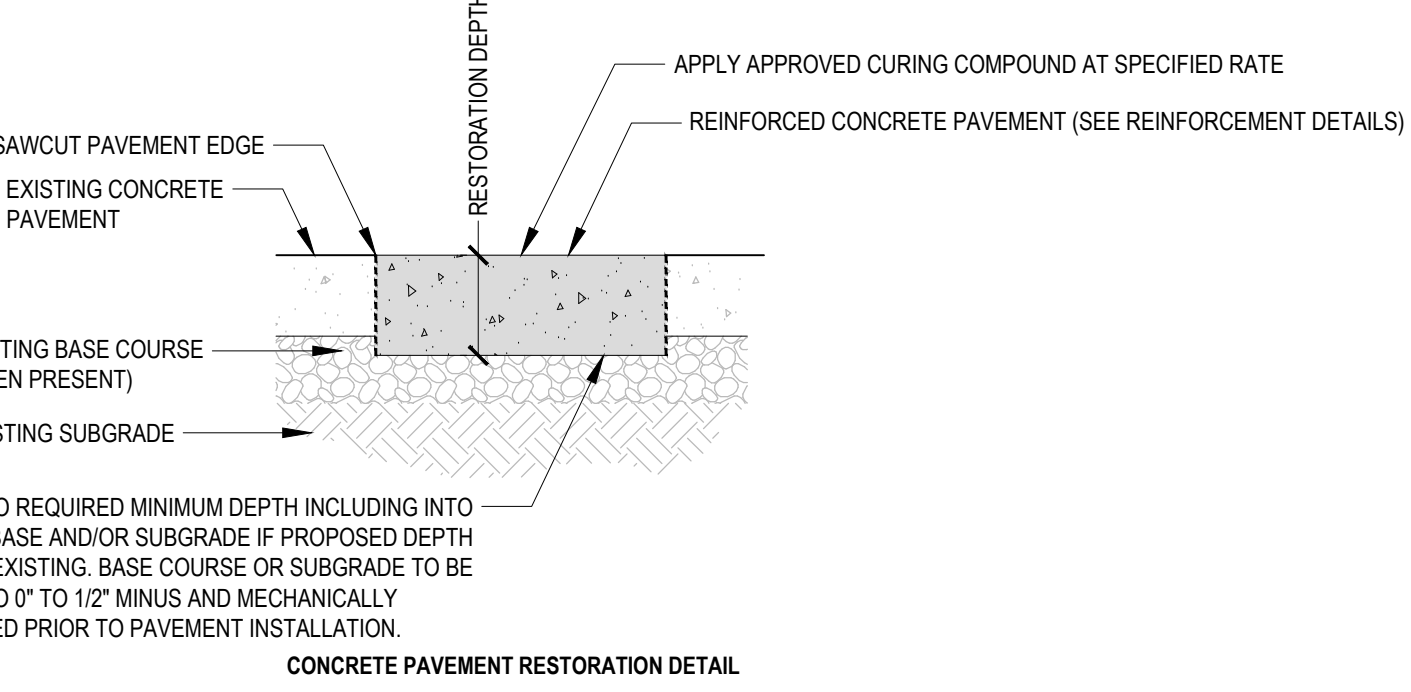
- SAWCUT AND REMOVE EXISTING SIDEWALK AS REQUIRED TO CONSTRUCT CURB RAMP.
- THE CURB RAMP SHALL HAVE A MINIMUM CONCRETE THICKNESS OF 5".
- ELEVATION DIFFERENCE BETWEEN TOP AND BOTTOM OF CURB RAMP SHALL NOT EXCEED 6".
- TRANSITION FROM RAMP AND LANDING TO WALK, GUTTER OR STREET SHALL BE FLUSH AND FREE OF ABRUPT CHANGES.
- CONTRACTOR IS STRONGLY ENCOURAGED TO CONSTRUCT PROPOSED REMEDIATION MEASURES BELOW THE STATED MAXIMUMS IN ORDER TO ALLOW FOR CONSTRUCTION TOLERANCES.
- ANY REQUIRED RECONSTRUCTION EXCEEDING THE ADA MAXIMUMS WILL BE THE CONTRACTOR'S SOLE RESPONSIBILITY.
- HIGH EARLY STRENGTH CONCRETE SHALL BE USED ON ALL RAMP CONSTRUCTION PROJECTS AT MAIN STORE ENTRANCES OR AT LOCATIONS WHERE SET TIMES NEED TO BE MINIMIZED TO REDUCE IMPACTS TO TRAFFIC AND ACCESS.
- MATCH EXISTING CONTROL AND EXPANSION JOINTS.



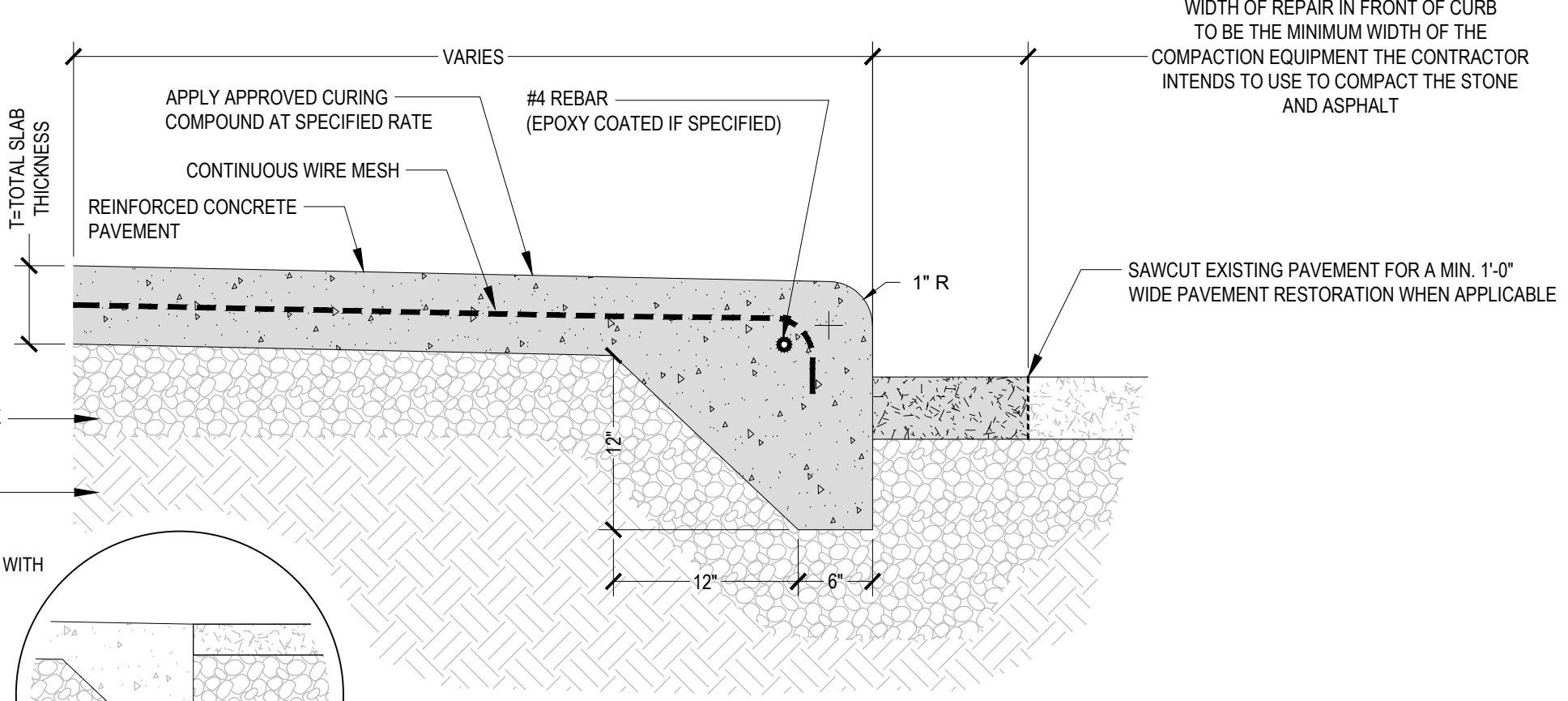
SAW CUT/CONTROL JOINT DETAIL



CONSTRUCTION JOINT - REBAR DETAIL



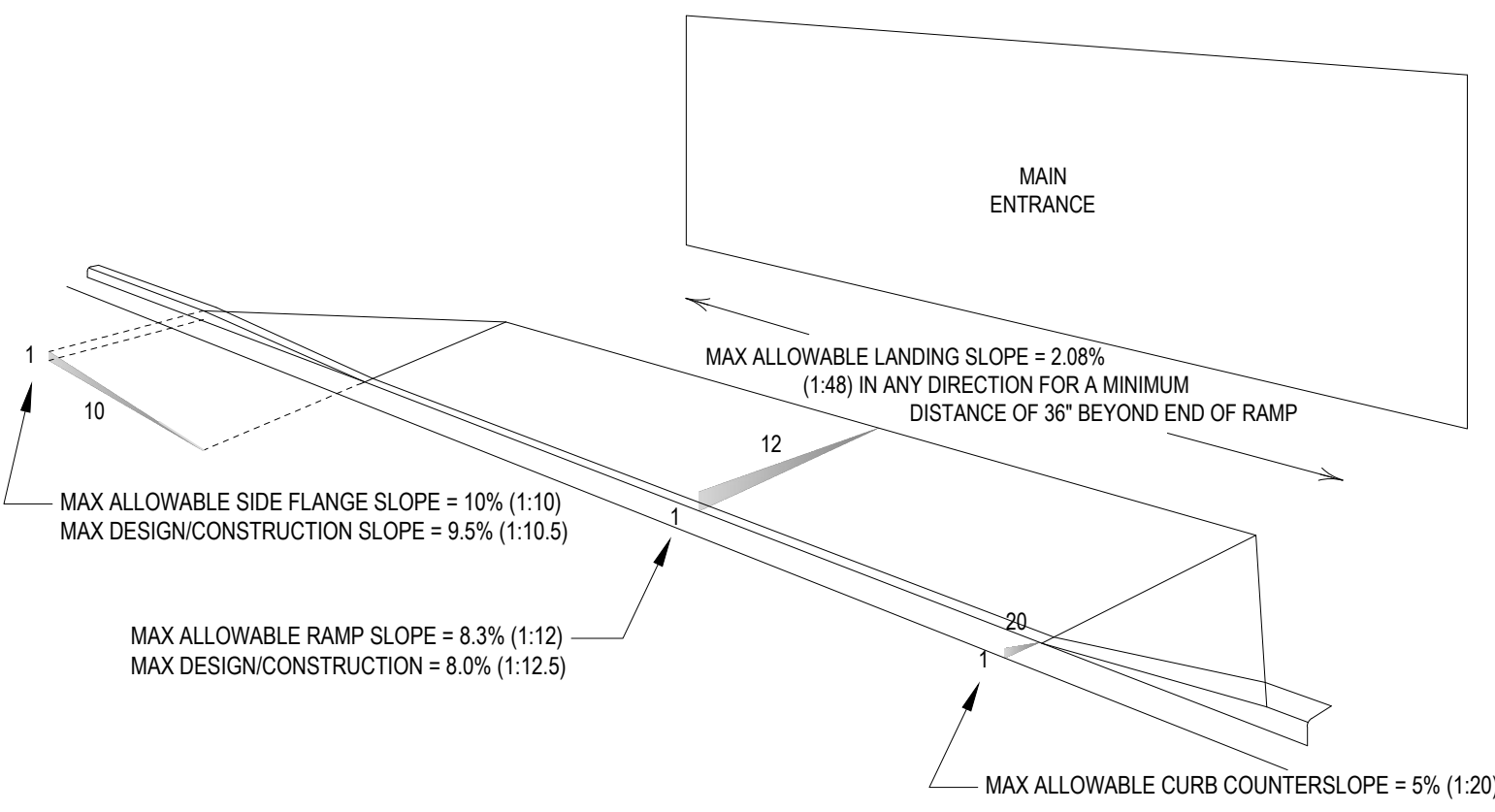
CONCRETE PAVEMENT RESTORATION DETAIL



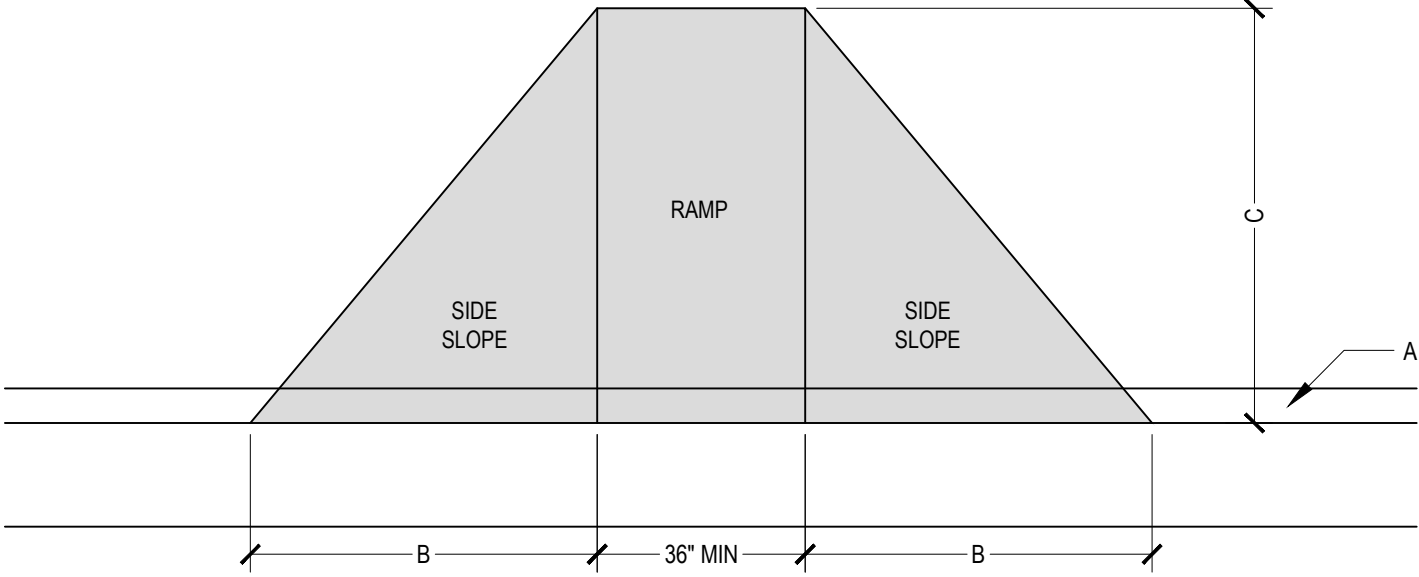
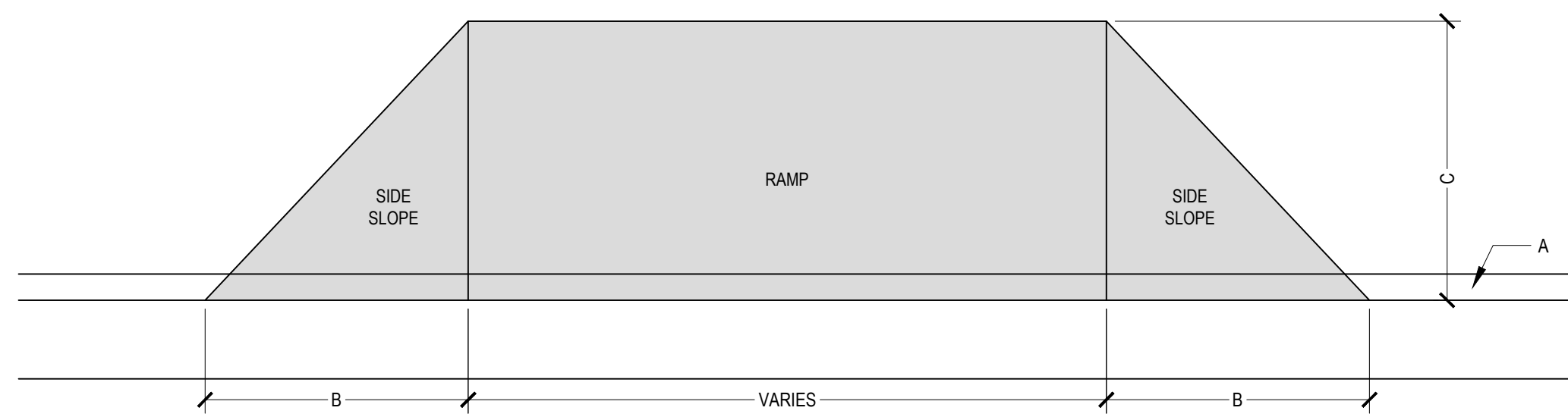
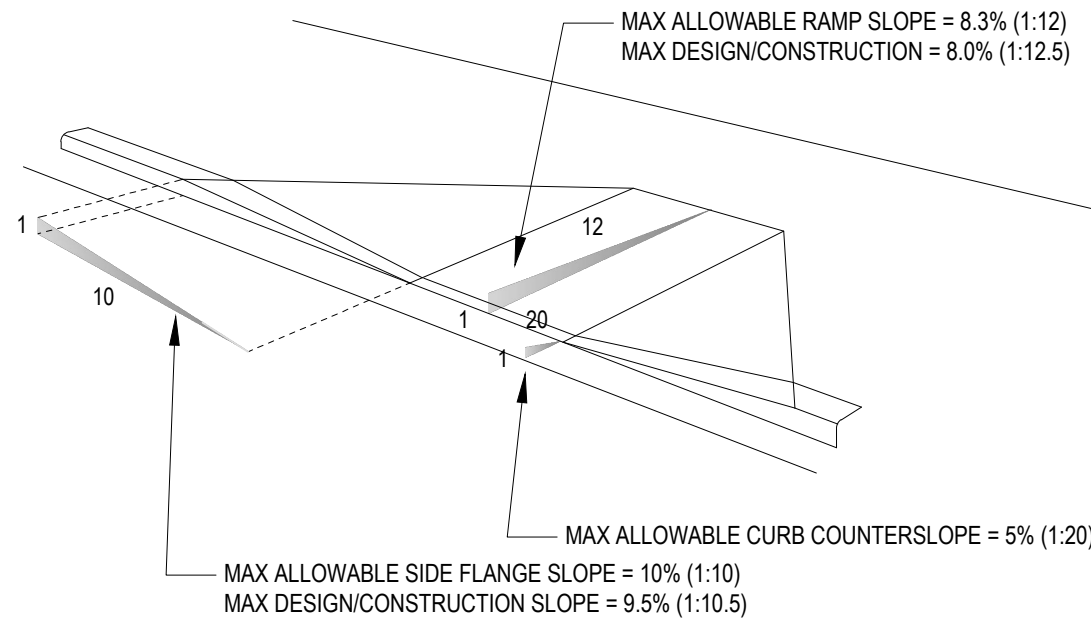
THICKENED EDGE SIDEWALK DETAIL

2.61

REINFORCED CONCRETE PAVEMENT RESTORATION - 8" DEPTH
NO SCALE



RAMP SLOPE CHART		
A	B	C
HEIGHT OF CURB	1:10 (10.0%) MAX SIDE SLOPES	1:12 (8.33%) MAX DIRECTION OF TRAVEL
4"	40"	48"
5"	50"	60"
6"	60"	72"
7"	70"	84"



2.61

REINFORCED CONCRETE PAVEMENT RESTORATION - 5" DEPTH
NO SCALE

DRAWING RECORD		
REV. NO.	DESCRIPTION	DATE BY
RELEASED		06/03/2023 PRD

GENERAL DRAWING NOTE:
THIS DRAWING IS INTENDED FOR ORIENTATION, APPROXIMATE CONFIGURATION AND LOCATION OF DETAILS. CONTRACTOR SHALL FIELD VERIFY ALL ITEMS FOR BIDDING AND INSTALLATION PURPOSES.

DATE	06/03/2023
DRAWN BY	P. DEVOSE
CHECKED BY	R. TAMERMAN
IN CHARGE	A. DAVIS
PROJECT NO.	23RENREN0002B
PROJECT NAME	RENO-SPARKS CONVENTION CENTER

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DRAWING TITLE: DETAILS

BENCHMARK PROJECT NO.: 23RENREN0002B

SHEET NUMBER: D-2